

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: ISU7487-Z0327160248

Truss Fabricator: Anderson Truss Company
Job Identification: 6-036-PERRY / LOT 3 PHASE II STONEHANGE
Truss Count: 46
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Version 7.04.
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: BRCLBSUB-A11015EC-GBLLETIN-



Seal Date: 01/27/2006

-Truss Design Engineer-
Arthur R. Fisher

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

#	Ref	Description	Drawing#	Date
1	67109--A		06026027	01/26/06
2	67110--A1		06026028	01/26/06
3	67111--A2		06026029	01/26/06
4	67112--A3		06026026	01/26/06
5	67113--A4		06026002	01/26/06
6	67114--H17AM		06026015	01/26/06
7	67115--H7A		06026009	01/26/06
8	67116--H9A		06026008	01/26/06
9	67117--H11A		06026042	01/26/06
10	67118--H13A		06026020	01/26/06
11	67119--H7AM		06026030	01/26/06
12	67120--H9AM		06026036	01/26/06
13	67121--H11AM		06026037	01/26/06
14	67122--H13AM		06026038	01/26/06
15	67123--H15AM		06026019	01/26/06
16	67124--H15AT		06026025	01/26/06
17	67125--H17AT		06026024	01/26/06
18	67126--AT		06026021	01/26/06
19	67127--AT1		06026022	01/26/06
20	67128--BGE		06026001	01/26/06
21	67129--B		06026023	01/26/06
22	67130--BS		06026043	01/26/06
23	67131--B1		06026040	01/26/06
24	67132--B2		06026041	01/26/06
25	67133--B3		06026039	01/26/06
26	67134--B4		06026046	01/26/06
27	67135--CGE		06026012	01/26/06
28	67136--C		06026034	01/26/06
29	67137--C-1		06026044	01/26/06
30	67138--H7DT		06026010	01/26/06
31	67139--DT		06026045	01/26/06
32	67140--D		06026005	01/26/06
33	67141--D-1		06026014	01/26/06
34	67142--HJ7		06026031	01/26/06
35	67143--EJ7		06026035	01/26/06
36	67144--CJ5		06026032	01/26/06

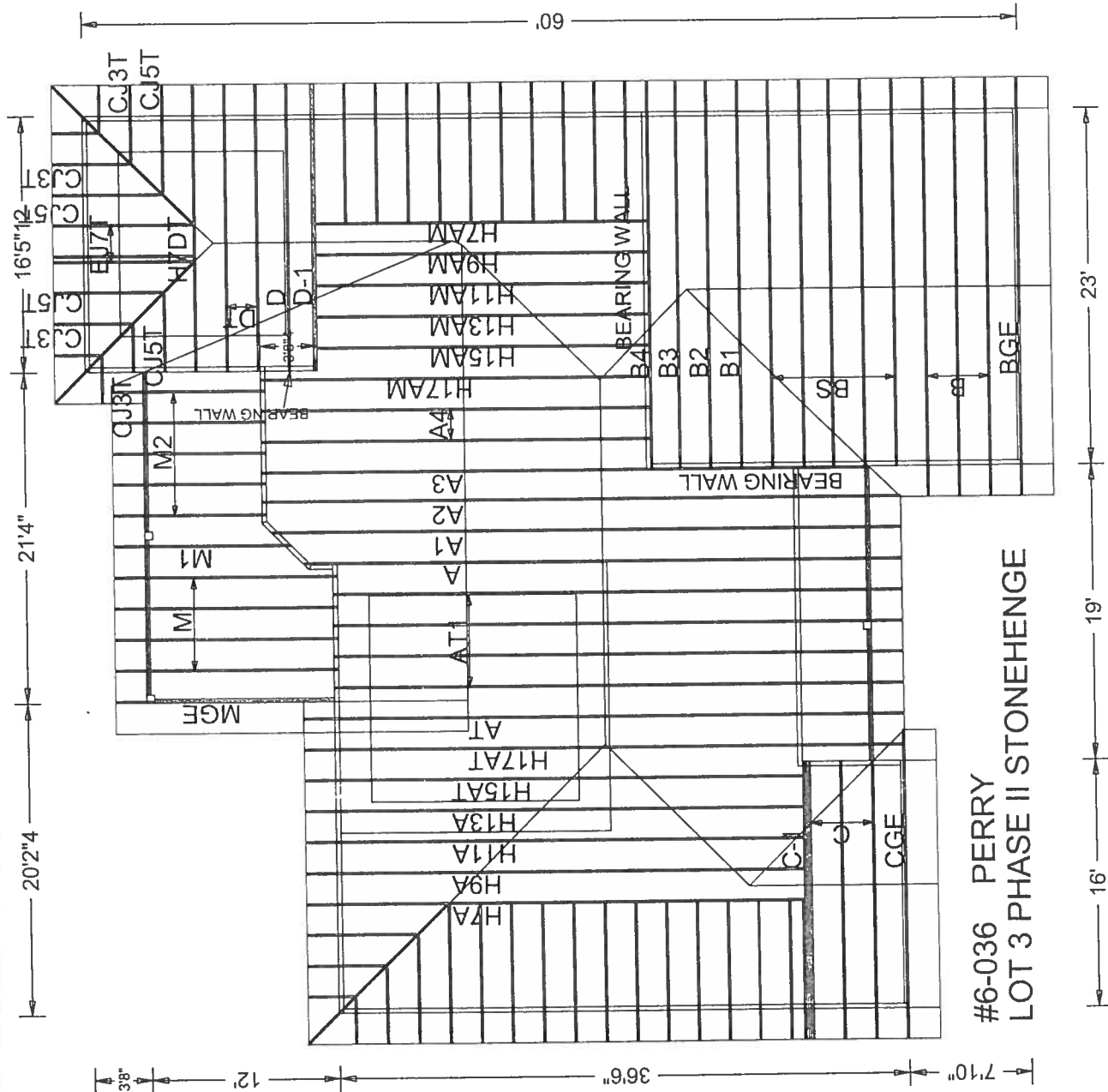
#	Ref	Description	Drawing#	Date
37	67145--CJ3		06026033	01/26/06
38	67146--CJ1		06026007	01/26/06
39	67147--HJ7T		06026004	01/26/06
40	67148--EJ7T		06026018	01/26/06
41	67149--CJ5T		06026016	01/26/06
42	67150--CJ3T		06026006	01/26/06
43	67151--MGE		06026003	01/26/06
44	67152--M		06026011	01/26/06
45	67153--M1		06026013	01/26/06
46	67154--M2		06026017	01/26/06



752-2832

623-5541

Doug Morgan



#6-036 PERRY
LOT 3 PHASE II STONEHENGE

Roof Plane Sheathing Area = 3623 sq. ft
Gable Sheathing Area = 130 sq. ft
Total Sheathing Area = 3754 sq. ft
Fascia Material = 272 linear ft
Valley Flashing Material = 81 linear ft
Ridge Cap Material = 135 linear ft
Hip Ridge Material = 96 linear ft

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

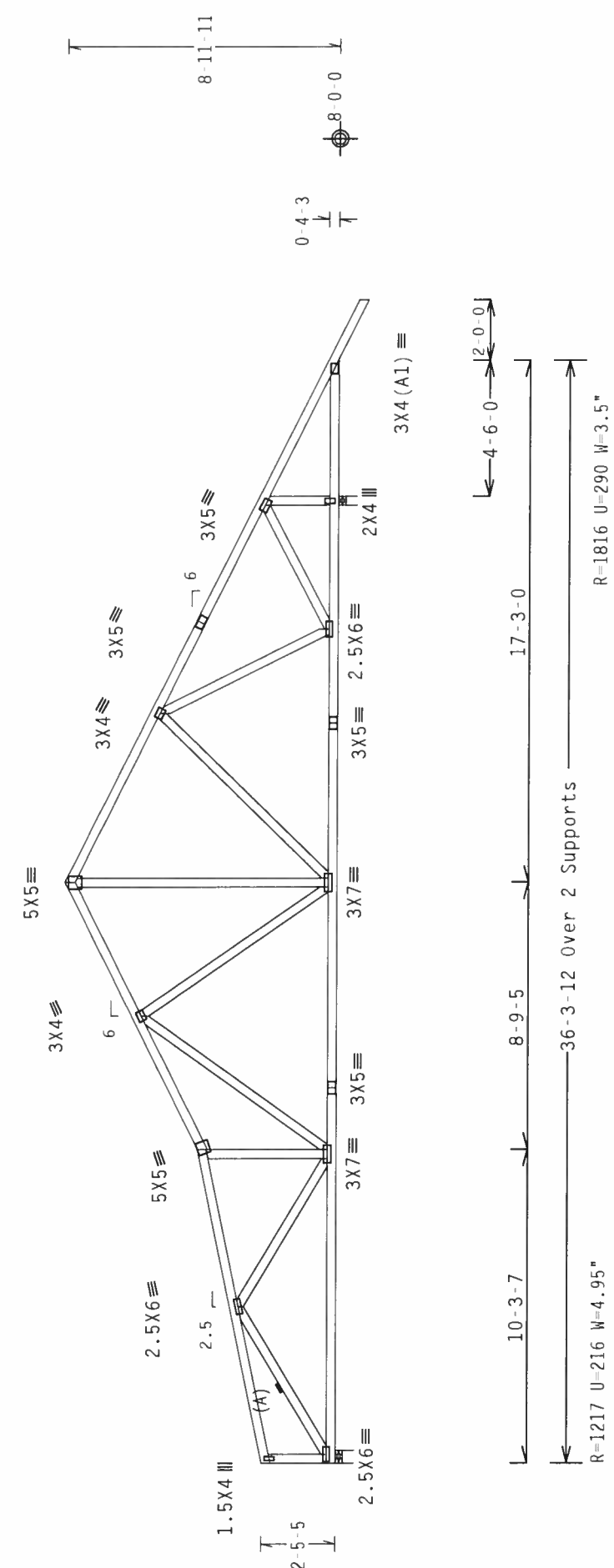
Left end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

NOTE: IN THE CALCULATION OF DEFLECTION AT CANTILEVER END, CREEP WAS NOT CONSIDERED.

110 mph wind, 12.16 ft mean hgt, ASCE 7-98, 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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.08

Scale = .1875" / Ft.

REF	R487--	67109
DATE	01/26/06	
DRW	HCUSR487	06026027
HC-ENG	JB/AF	*
SEQN	27290	
DUR.FAC.	1.25	
SPACING	24.0"	

JAN 27 2006

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

STATE OF FLORIDA

PROFESSIONAL ENGINEER

NO. 59887

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 BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 903 D'ONOFRIO DR., SUITE 200, MADISON, MI 48271, AND WCA (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.

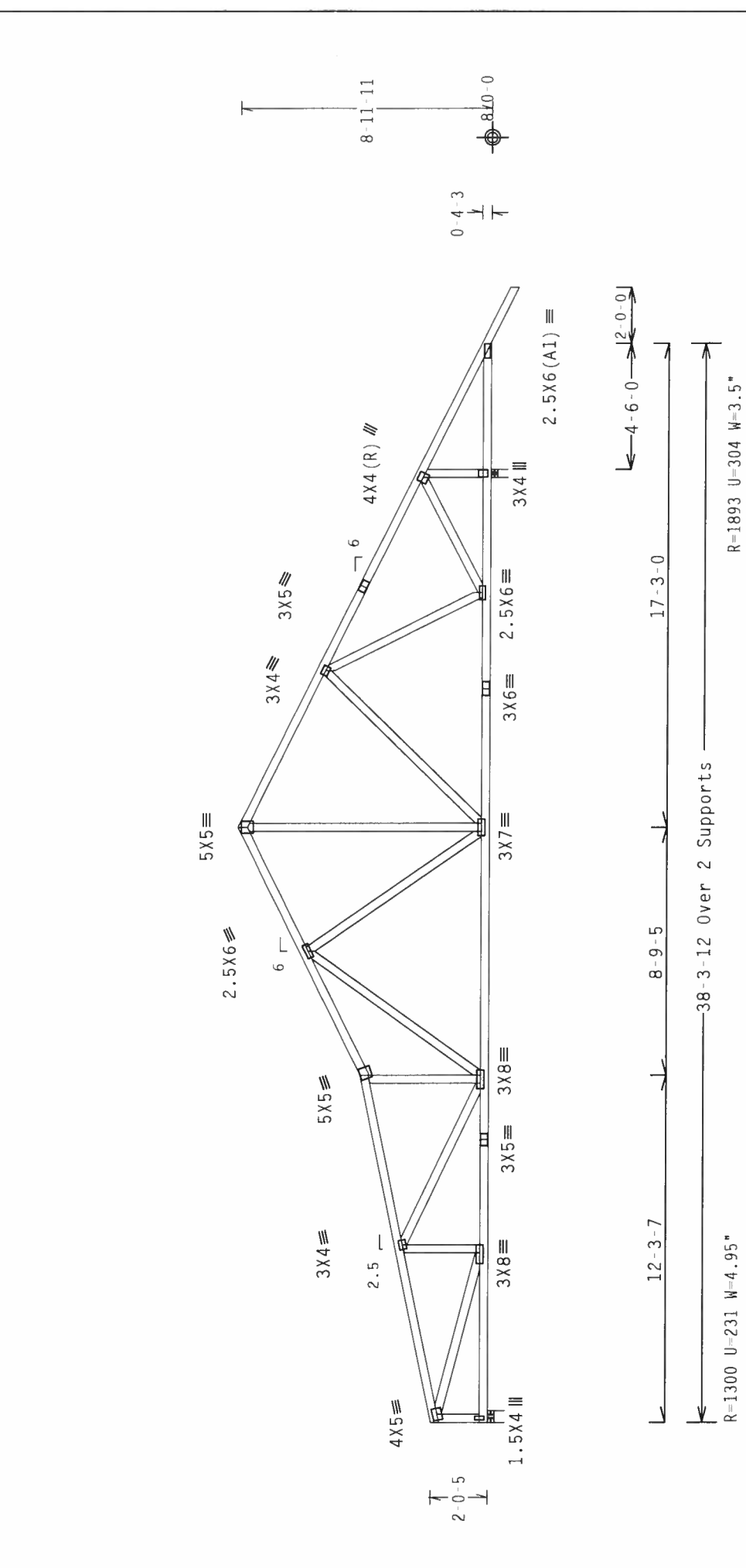
IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/106A (N. 11/5/16) ASH A653 GRADE 40/60 (N. 8/11/5) GALV. STEEL. APPLY ANY INSPECTION OF LATERAL BRACING. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2. DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ADSD/TPI 1 SEC. 2.

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

Left end vertical not exposed to wind pressure.

110 mph wind, 12.16 ft mean hgt, ASCE 7-98, 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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.0

Scale = .1875" / Ft.

REF R487-- 67110

DATE 01/26/06

DRW HCUSR487 06026028

HC-ENG JB/AF *

SEQN- 27291

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1SU7487_Z03

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 BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 630 D'ORFORD DR., SUITE 200, MADISON, WI 53719, AND MICA (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 AISC (A553 GRADE 40/60 (W, K/H-S) GALV. STEEL. APPLY CONNECTION PLATES ARE MADE OF 2018/18/18GA (W, H/2/S) AISC A553 GRADE 40/60 (W, K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES, FOLLOWED BY TPI SHALL BE PERFORMED PER DESIGN. POSITION PER DRAWINGS 100A, 2. DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2

ALPINE ENGINEER

No. 59887

STATE OF FLORIDA

PROFESSIONAL ENGINEER

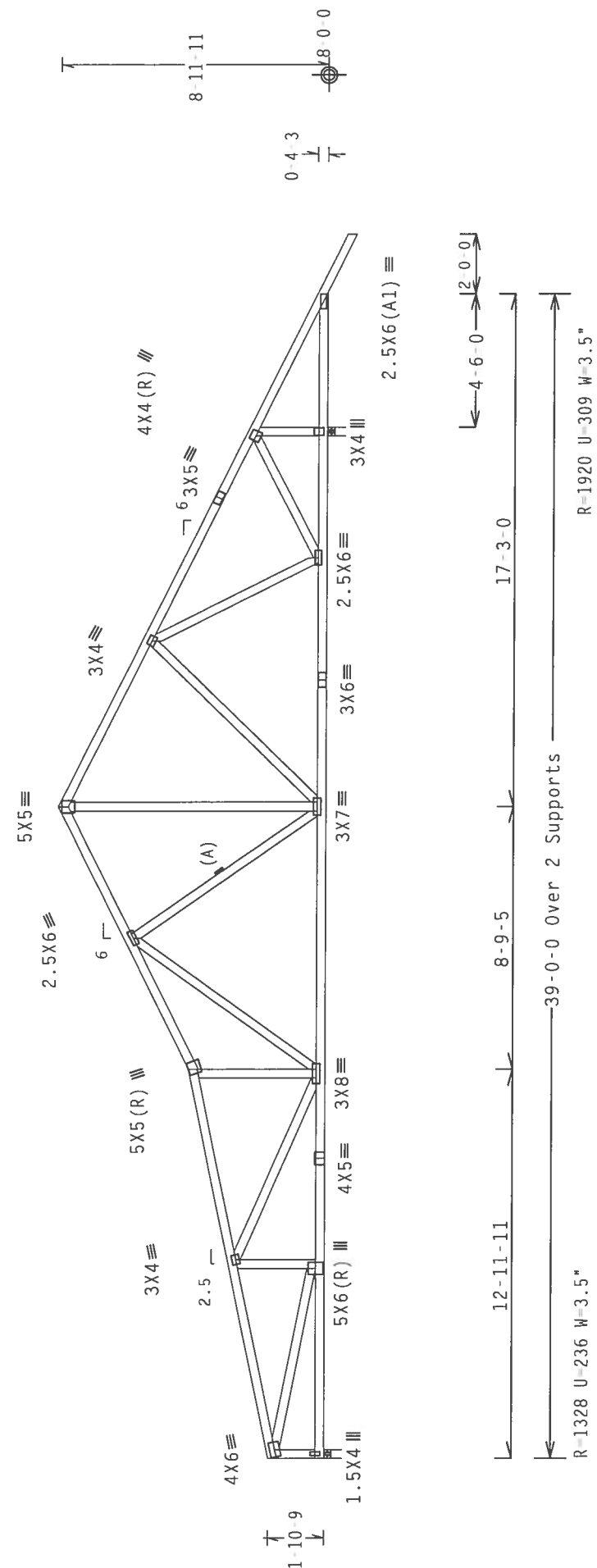
Jan 22 '06

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

110 mph wind, 12.16 ft mean hgt, ASCE 7-98, 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 1/360 live and 1/240 total load



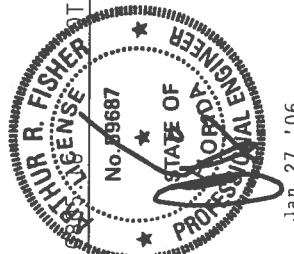
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.

Scale = 1875"/Ft

TC LL	20.0 PSF	REF R487-- 67111
TC DL	10.0 PSF	DATE 01/26/06
BC DL	10.0 PSF	DRW HCUSR487 06026029
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 27292
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SU7487 Z03

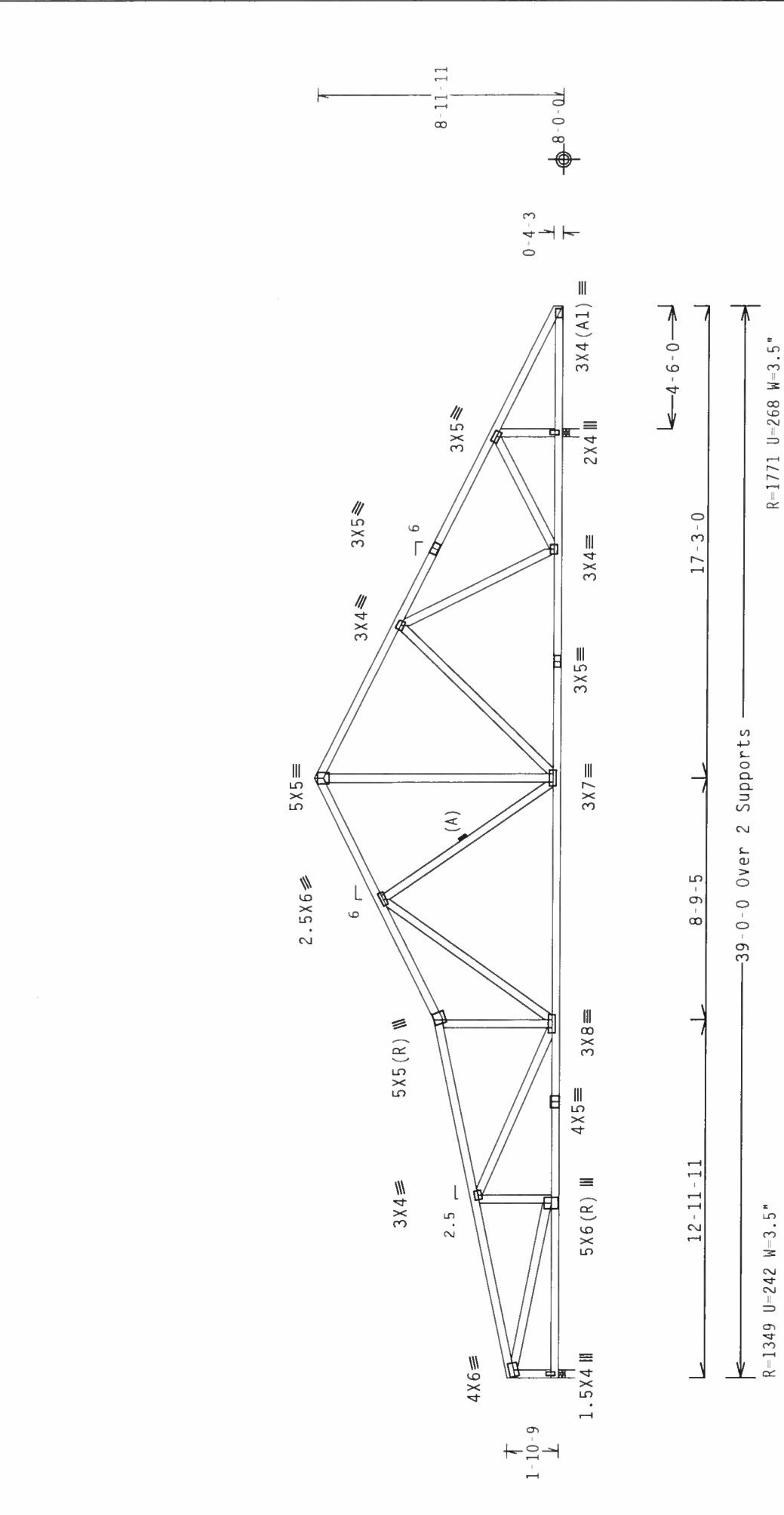


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: DESIGN IN CONFORMANCE WITH THE FOLLOWING: FABRICATING, HANDLING, SHIPPING, INSTALLATION, AND ERECTION OF THE TRUSS SHALL BE IN ACCORDANCE WITH THE DESIGN SPEC. ALL CONNECTOR PLATES ARE MADE OF 2017/18/19 (OR 2020/21/22) ASTM A36 STEEL. ALL PLATES TO EACH FACE OF TRUSS AND UNDERMINES LOCATED ON THIS SPEC. WHEN ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBX 4 OF TP11 2002 SEC. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS BUILDING DESIGNER PER AMBX/TP1 1 SEC. 2

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

(A) Continuous lateral bracing equally spaced on member. Deflection meets L/360 live and L/240 total load.



PLT TYP.	Wave TPI	Design Crit:	TPI - 1995 (STD) / FBC	7.04 0.000	TY: 1	EL / - 14' / - / - / R / -	Scale = 1875" / Ft
PLT TYP.	Wave TPI	Design Crit:	TPI - 1995 (STD) / FBC	7.04 0.000	TY: 1	EL / - 14' / - / - / R / -	Scale = 1875" / Ft

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PATTERN INSTITUTE), 583 D'ONOFIO DR., SUITE 200, MADISON, NJ 07319; AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 200, FORT WORTH, TX 76116).	No 59687	TC LL	20.0 PSF	REF R487 -- 67112
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MADESON, MT 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.

STATE OF MONTANA

TC DL 10.0 PSF DATE 01/26/06

ALPINE

****IMPORTANT****URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; TRUUS, IN CONFORMANCE WITH U.S. FEDERAL AND STATE REQUIREMENTS.

ALPINE ENGINEER

BC DE 10.0 PSE

DRW HCUSR487 06026026

BC 11 0.0 PSE

HC-ENG JB/AE

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ALUMINUM CONNECTOR PLATES ARE MADE OF 2018/T6G6 (H-W/S/M) ASTM A653 GRADE 40/60 (H, K/H, S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

TOT. LD. 40.0 PSF

SEQN- 27289

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

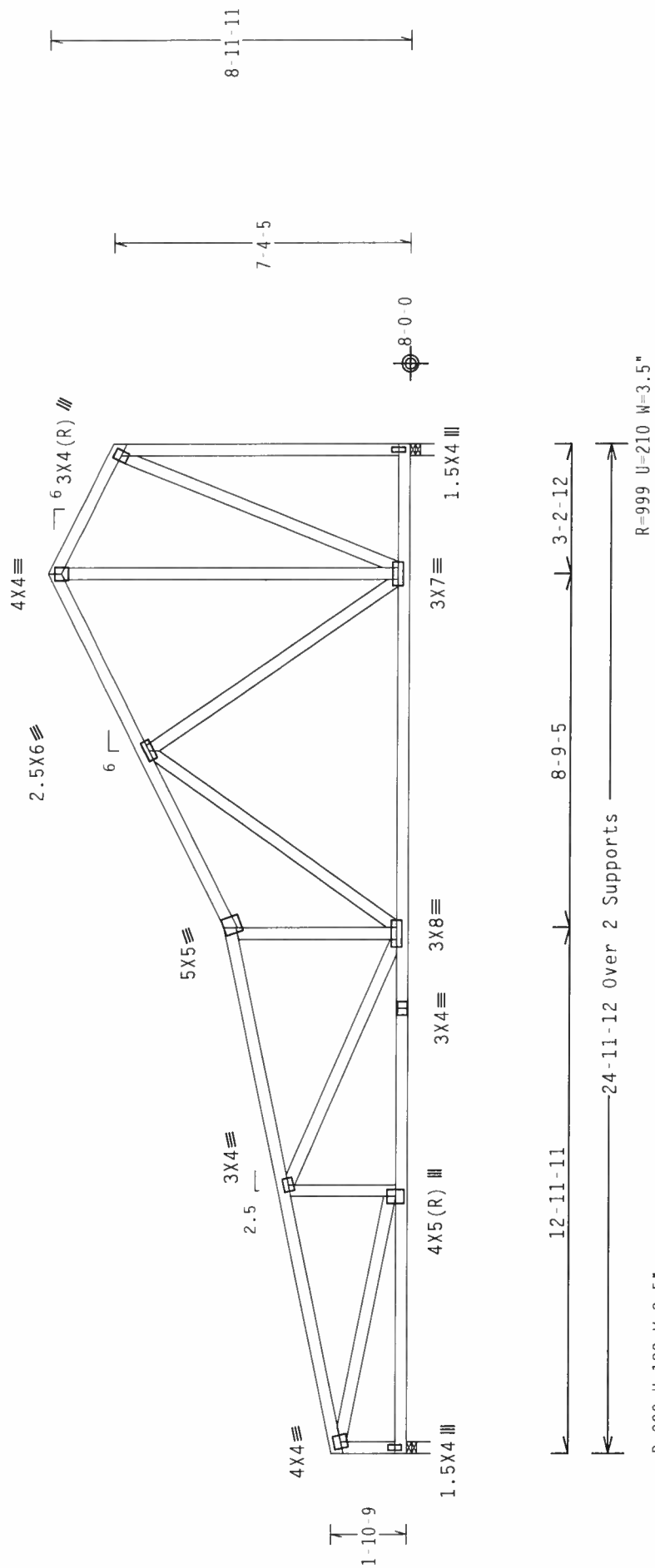
FL Certificate of Authorization # 567	BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	SPACING	24.0"	JREF - 1SU7487_Z03
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	Top	Bot	Dense
chord	2x4	2x4	#2
chord	2x4	2x4	#2
webs	2x4	2x4	#3

110 mph wind, 13.43 ft mean hgt, ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.



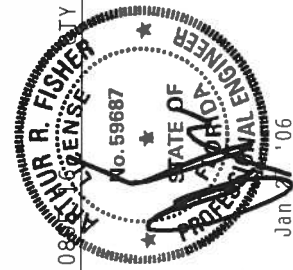
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/ERC

[illegible]

Scale = 25"/ft

TC LL	20.0	PSF	REF	R487 --	67113
TC DL	10.0	PSF	DATE	01/26/06	
BC DL	10.0	PSF	DRW	HCUSR487	06026002
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	27267	
DUR.FAC.	1.25				
SPACING	24.0"		JREF	1SU7487	Z03



ALPINE

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

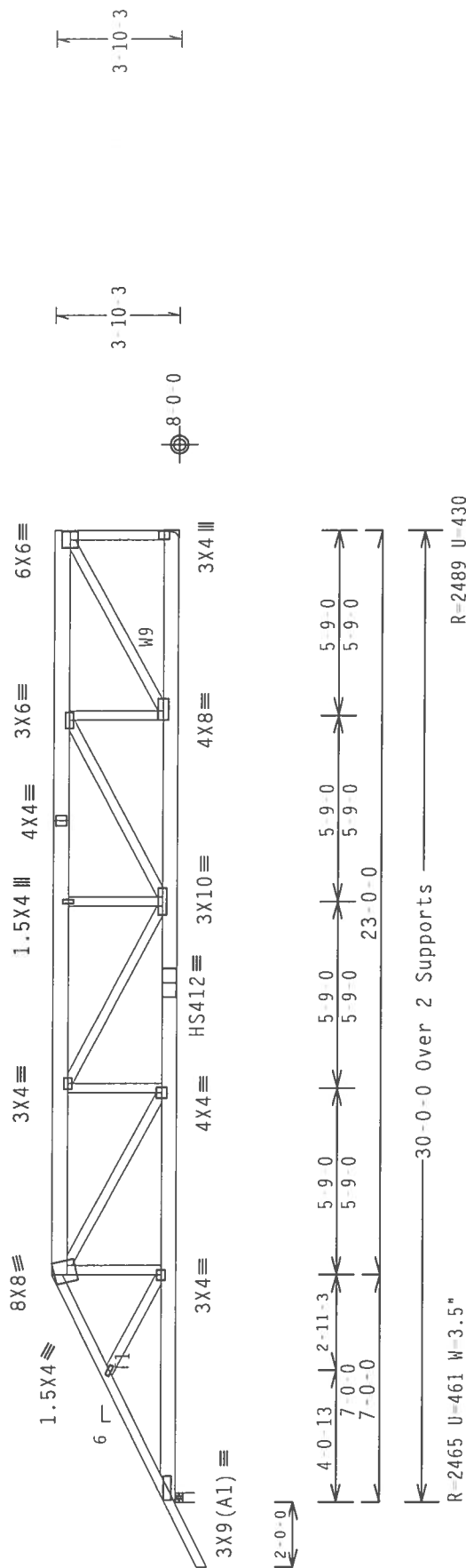
****IMPORTANT****-TURNISH A COPY OF THE INSTALLATION CONTRACTOR'S SPECIFICATIONS TO THE PROJECTS WHICH ARE RESPONSIBLE FOR ARCHITECTURAL DIRECTION FOR THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND IPTL SHALL BE THE RESPONSIBILITY OF THE DESIGNER. ALL CONNECTOR PLATES ARE MADE OF 2018/16GA (A575M/A575S) ASTM A653 GRADE 40/60 (G./KIL/SI) GALV. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS POSITION PER DRAWINGS 16GA 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWING THE STABILITY ANALYSIS AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord	2x6	SP #2	:T1	2x4	SP #2	Dense:
Bot chord	2x6	SP #2				
Webbs	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=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.
#1 hip supports 7-0-0 jacks with no webs.



PLT TYP. 20 Gauge HS, Wave TPI Design Crit: TPI-1995(STD)/FBC

7.04.08

Scale = 1875"/Ft

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. CALLERS TO BEST BUILDING COMPANY, PUBLISHED BY IPT (CROSS PANEL INSTITUTE), 583 DORCHESTER RD., SUITE 200, MADISON, WI 53719, AND VICE PRESIDENT, MR. SUITE 200, MADISON, WI 53719, FOR MORE INFORMATION. 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.

* IMPORTANT: * FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. AIRPINE ENGINEERING, LLC, SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI: ALPINE DESIGN SPEC. SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE FOLLOWING ARE THE PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 160B, 160C, 160D, 160E, 160F, 160G, 160H, 160I, 160J, 160K, 160L, 160M, 160N, 160O, 160P, 160Q, 160R, 160S, 160T, 160U, 160V, 160W, 160X, 160Y, 160Z, 160AA, 160AB, 160AC, 160AD, 160AE, 160AF, 160AG, 160AH, 160AI, 160AJ, 160AK, 160AL, 160AM, 160AN, 160AO, 160AP, 160AQ, 160AR, 160AS, 160AT, 160AU, 160AV, 160AW, 160AX, 160AY, 160AZ, 160BA, 160BB, 160BC, 160BD, 160BE, 160BF, 160BG, 160BH, 160BI, 160BJ, 160BK, 160BL, 160BM, 160BN, 160BO, 160BP, 160BQ, 160BR, 160BS, 160BT, 160BU, 160BV, 160BW, 160BX, 160BY, 160BZ, 160CA, 160CB, 160CC, 160CD, 160CE, 160CF, 160CG, 160CH, 160CI, 160CJ, 160CK, 160CL, 160CM, 160CN, 160CO, 160CP, 160CQ, 160CR, 160CS, 160CT, 160CU, 160CV, 160CW, 160CX, 160CY, 160CZ, 160DA, 160DB, 160DC, 160DD, 160DE, 160DF, 160DG, 160DH, 160DI, 160DJ, 160DK, 160DL, 160DM, 160DN, 160DO, 160DP, 160DQ, 160DR, 160DS, 160DT, 160DU, 160DV, 160DW, 160DX, 160DY, 160DZ, 160EA, 160EB, 160EC, 160ED, 160EE, 160EF, 160EG, 160EH, 160EI, 160EJ, 160EK, 160EL, 160EM, 160EN, 160EO, 160EP, 160EQ, 160ER, 160ES, 160ET, 160EU, 160EV, 160EW, 160EX, 160EY, 160EZ, 160FA, 160FB, 160FC, 160FD, 160FE, 160FF, 160FG, 160FH, 160FI, 160FJ, 160FK, 160FL, 160FM, 160FN, 160FO, 160FP, 160FQ, 160FR, 160FS, 160FT, 160FU, 160FV, 160FW, 160FX, 160FY, 160FZ, 160GA, 160GB, 160GC, 160GD, 160GE, 160GF, 160GG, 160GH, 160GI, 160GJ, 160GK, 160GL, 160GM, 160GN, 160GO, 160GP, 160GQ, 160GR, 160GS, 160GT, 160GU, 160GV, 160GW, 160GX, 160GY, 160GZ, 160HA, 160HB, 160HC, 160HD, 160HE, 160HF, 160HG, 160HH, 160HI, 160HJ, 160HK, 160HL, 160HM, 160HN, 160HO, 160HP, 160HQ, 160HR, 160HS, 160HT, 160HU, 160HV, 160HW, 160HX, 160HY, 160HZ, 160IA, 160IB, 160IC, 160ID, 160IE, 160IF, 160IG, 160IH, 160II, 160IJ, 160IK, 160IL, 160IM, 160IN, 160IO, 160IP, 160IQ, 160IR, 160IS, 160IT, 160IU, 160IV, 160IW, 160IX, 160IY, 160IZ, 160JA, 160JB, 160JC, 160JD, 160JE, 160JF, 160JG, 160JH, 160JI, 160JJ, 160JK, 160JL, 160JM, 160JN, 160JO, 160JP, 160JQ, 160JR, 160JS, 160JT, 160JU, 160JV, 160JW, 160JX, 160JY, 160JZ, 160KA, 160KB, 160KC, 160KD, 160KE, 160KF, 160KG, 160KH, 160KI, 160KJ, 160KK, 160KL, 160KM, 160KN, 160KO, 160KP, 160KQ, 160KR, 160KS, 160KT, 160KU, 160KV, 160KW, 160KX, 160KY, 160KZ, 160LA, 160LB, 160LC, 160LD, 160LE, 160LF, 160LG, 160LH, 160LI, 160LJ, 160LK, 160LL, 160LM, 160LN, 160LO, 160LP, 160LQ, 160LR, 160LS, 160LT, 160LU, 160LV, 160LW, 160LX, 160LY, 160LZ, 160MA, 160MB, 160MC, 160MD, 160ME, 160MF, 160MG, 160MH, 160MI, 160MJ, 160MK, 160ML, 160MN, 160MO, 160MP, 160MQ, 160MR, 160MS, 160MT, 160MU, 160MV, 160MW, 160MX, 160MY, 160MZ, 160NA, 160NB, 160NC, 160ND, 160NE, 160NF, 160NG, 160NH, 160NI, 160NJ, 160NK, 160NL, 160NM, 160NO, 160NP, 160NQ, 160NR, 160NS, 160NT, 160NU, 160NV, 160NW, 160NX, 160NY, 160NZ, 160OA, 160OB, 160OC, 160OD, 160OE, 160OF, 160OG, 160OH, 160OI, 160OJ, 160OK, 160OL, 160OM, 160ON, 160OO, 160OP, 160OQ, 160OR, 160OS, 160OT, 160OU, 160OV, 160OW, 160OX, 160OY, 160OZ, 160PA, 160PB, 160PC, 160PD, 160PE, 160PF, 160PG, 160PH, 160PI, 160PJ, 160PK, 160PL, 160PM, 160PN, 160PO, 160PP, 160PQ, 160PR, 160PS, 160PT, 160PU, 160PV, 160PW, 160PX, 160PY, 160PZ, 160QA, 160QB, 160QC, 160QD, 160QE, 160QF, 160QG, 160QH, 160QI, 160QJ, 160QK, 160QL, 160QM, 160QN, 160QO, 160QP, 160QQ, 160QR, 160QS, 160QT, 160QU, 160QV, 160QW, 160QX, 160QY, 160QZ, 160RA, 160RB, 160RC, 160RD, 160RE, 160RF, 160RG, 160RH, 160RI, 160RJ, 160RK, 160RL, 160RM, 160RN, 160RO, 160RP, 160RQ, 160RR, 160RS, 160RT, 160RU, 160RV, 160RW, 160RX, 160RY, 160RZ, 160SA, 160SB, 160SC, 160SD, 160SE, 160SF, 160SG, 160SH, 160SI, 160SJ, 160SK, 160SL, 160SM, 160SN, 160SO, 160SP, 160SQ, 160SR, 160SS, 160ST, 160SU, 160SV, 160SW, 160SX, 160SY, 160SZ, 160TA, 160TB, 160TC, 160TD, 160TE, 160TF, 160TG, 160TH, 160TI, 160TJ, 160TK, 160TL, 160TM, 160TN, 160TO, 160TP, 160TQ, 160TR, 160TS, 160TT, 160TU, 160TV, 160TW, 160TX, 160TY, 160TZ, 160UA, 160UB, 160UC, 160UD, 160UE, 160UF, 160UG, 160UH, 160UI, 160UJ, 160UK, 160UL, 160UM, 160UN, 160UO, 160UP, 160UQ, 160UR, 160US, 160UT, 160UU, 160UV, 160UW, 160UX, 160UY, 160UZ, 160VA, 160VB, 160VC, 160VD, 160VE, 160VF, 160VG, 160VH, 160VI, 160VJ, 160VK, 160VL, 160VM, 160VN, 160VO, 160VP, 160VQ, 160VR, 160VS, 160VT, 160VU, 160VV, 160VW, 160VX, 160VY, 160VZ, 160WA, 160WB, 160WC, 160WD, 160WE, 160WF, 160WG, 160WH, 160WI, 160WJ, 160WK, 160WL, 160WM, 160WN, 160WO, 160WP, 160WQ, 160WR, 160WS, 160WT, 160WU, 160WV, 160WW, 160WX, 160WY, 160WZ, 160XA, 160XB, 160XC, 160XD, 160XE, 160XF, 160XG, 160XH, 160XI, 160XJ, 160XK, 160XL, 160XM, 160XN, 160XO, 160XP, 160XQ, 160XR, 160XS, 160XT, 160XU,

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"

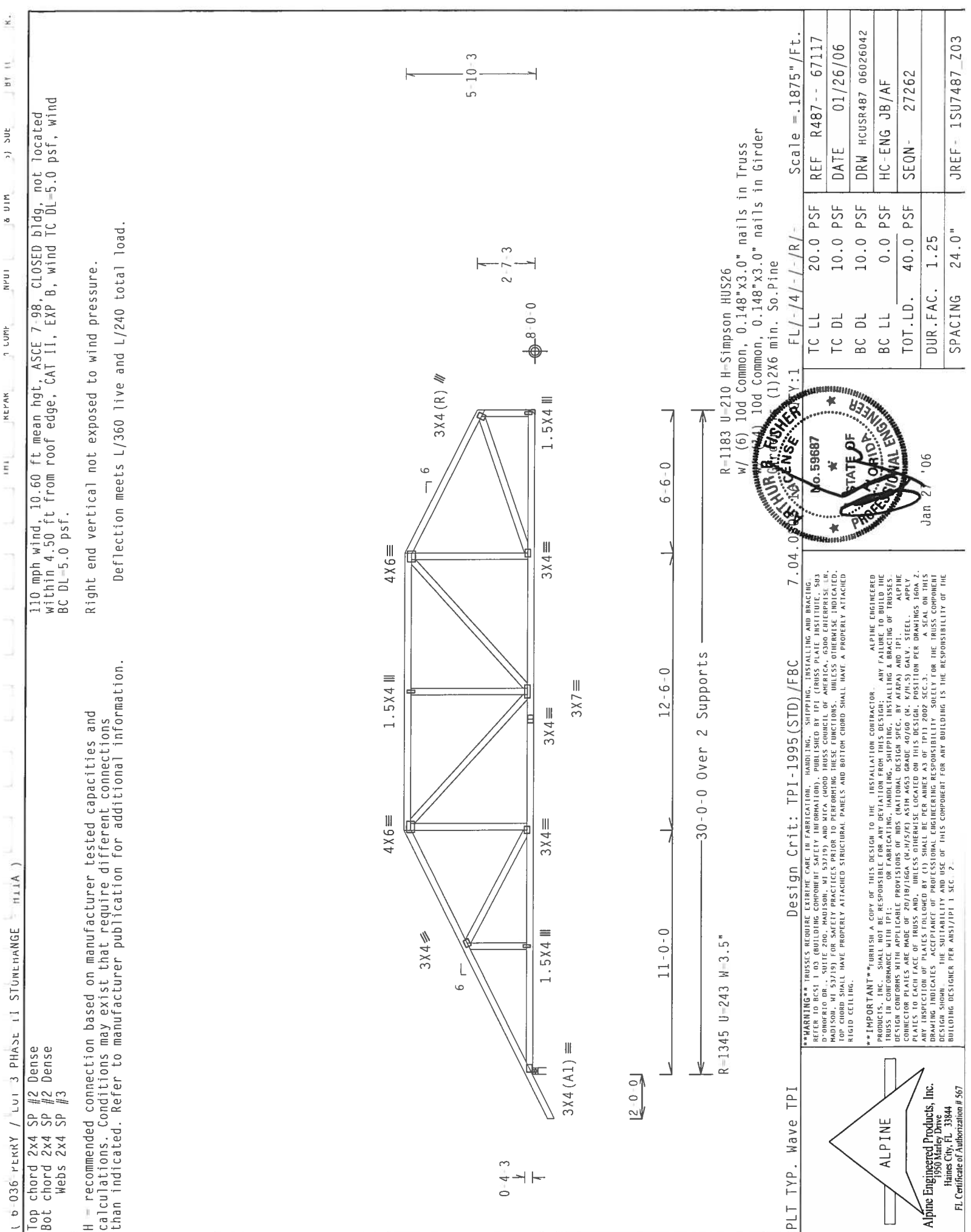
REF	R487--	67115
DATE	01/26/06	
DRW	HCUSR487	06026009
HC-ENG	DF/AF	
SEQN	4949	
JREF-	1SU7487	703



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

FL Certificate of Authorization # 567

FL Certificate of Authorization # 567	BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2	SPACING 24.0"	JREF- 1SU7487_Z03
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6-036 PERRY / LUI 3 PHASE 11 STONEHANGE HLLA)

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

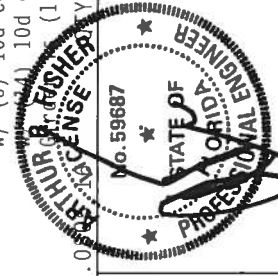
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

PLT TYP. Wave TPI

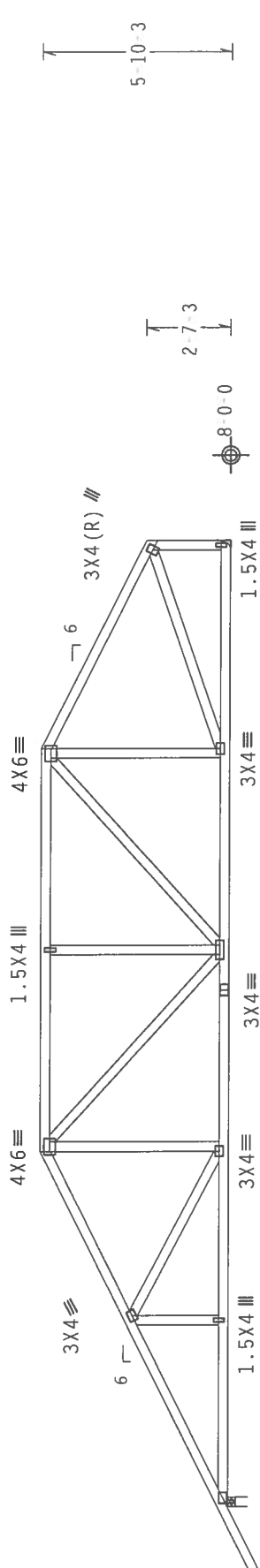
Alpine Engineering Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTERIOR PART IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE PROTECTED FROM WEATHER AND MOISTURE. TRUSSES MUST BE PROTECTED FROM WEATHER AND MOISTURE. TRUSSES MUST BE PROTECTED FROM WEATHER AND MOISTURE.

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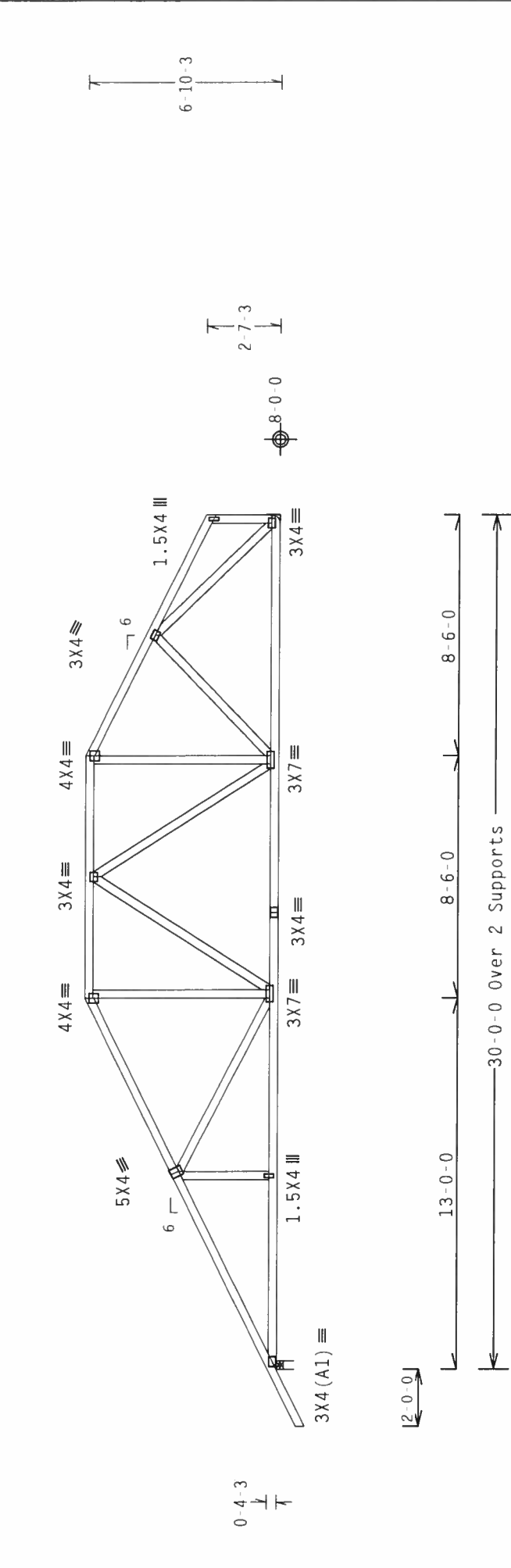
R=1183 U-210 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
(24) 10d Common, 0.148"x3.0" nails in Girder
(1)2X6 min. So.Pine



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

110 mph wind, 11.10 ft mean hgt, ASCE 7-98, 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-1345 U=241 W=3.5
R=1183 U=207 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
w/ Birt's (1) 2X6 min. So. Pine

PLT TYP. Wave TPI	 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO 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 TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AEP/A) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-H/S/P) 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 AMER AS 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.	Design Crit: TPI-1995(STD)/FBC 7.04.00	TY:1 FL/-/4/-/R/- Scale = .1875"/Ft.	REF R487 - 67118 DATE 01/26/06 DRW HCUSR487 06026020 HC-ENG JB/AF SEQN- 27284 TOT.LD. 40.0 PSF DUR.FAC. 1.25 SPACING 24.0" JREF - 1SU7487_Z03
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Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 : W2, W6 2x4 SP #2 Dense:

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=5.0 psf, wind
BC DL=5.0 psf.

SPECIAL LOADS
----- (LUMBER) DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 21.29
BC - From 20 PLF at 0.00 to 20 PLF at 21.29
TC - 173 LB Conc. Load at 1.94, 3.94, 5.94, 7.94, 9.94
11.94, 13.94, 15.94, 17.94, 19.94
BC - 70 LB Conc. Load at 1.94, 3.94, 5.94, 7.94, 9.94

End verticals not exposed to wind pressure.

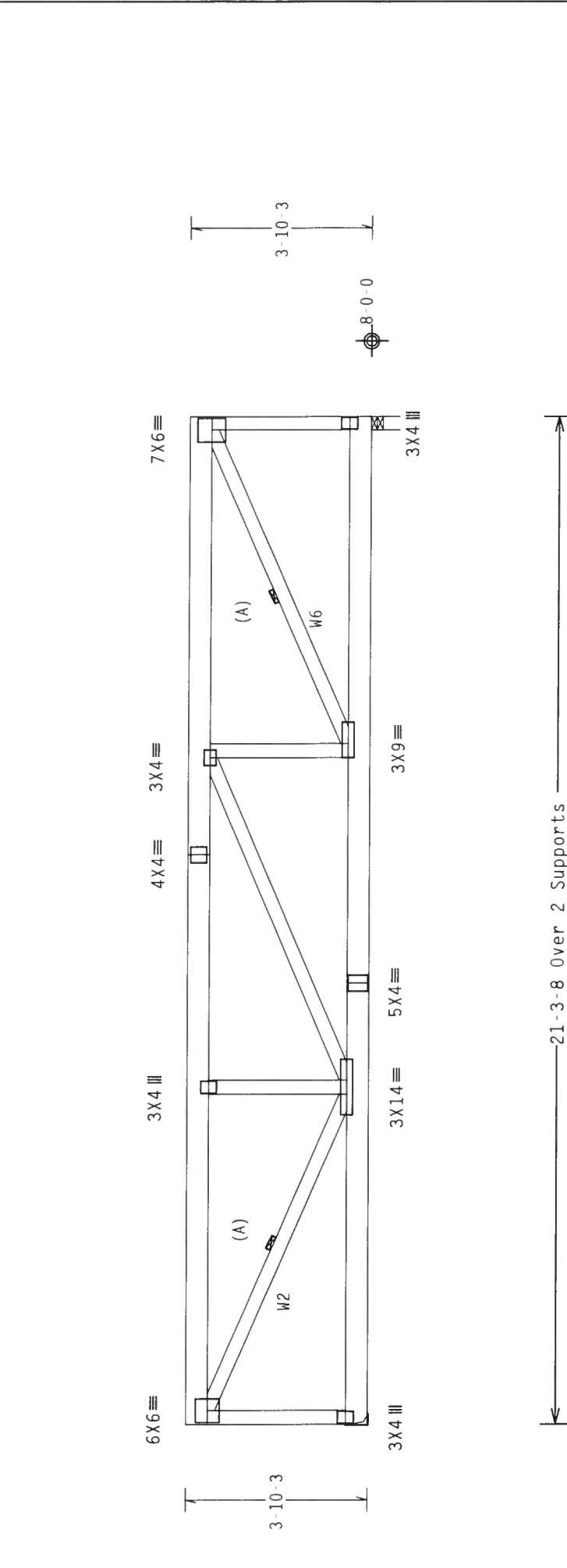
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load.

Truss must be installed as shown with top chord up.

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.

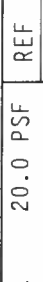
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

11.94, 13.94, 15.94, 17.94, 19.94



R=2034 U=746 H=Simpson HUS26
w/ (6) 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

PLT TYP. Wave TPI



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

Design Crit: TPI-1995(STD)FBC

7.04.00

Scale = .3125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 0'000000 DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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TY:1

FL/-/4/-/R/-

Scale = .3125"/Ft.

REF R487 - - 67119

DATE 01/26/06

DRW HCUSR487 06026030

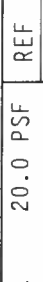
HC-ENG JB/AF

SEQN- 27293

DUR.FAC. 1.25

SPACING 24.0"

PLT TYP. Wave TPI



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

Design Crit: TPI-1995(STD)FBC

7.04.00

Scale = .3125"/Ft.

TY:1

FL/-/4/-/R/-

Scale = .3125"/Ft.

REF R487 - - 67119

DATE 01/26/06

DRW HCUSR487 06026030

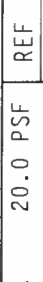
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Engineered Products, Inc.
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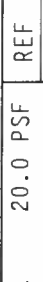
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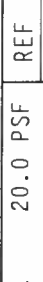
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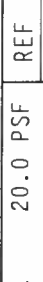
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SPACING 24.0"

PLT TYP. Wave TPI



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

Design Crit: TPI-1995(STD)FBC

7.04.00

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TY:1

FL/-/4/-/R/-

Scale = .3125"/Ft.

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DATE 01/26/06

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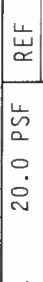
HC-ENG JB/AF

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PLT TYP. Wave TPI



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

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7.04.00

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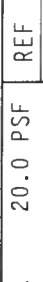
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SPACING 24.0"

PLT TYP. Wave TPI



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

Design Crit: TPI-1995(STD)FBC

7.04.00

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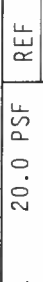
HC-ENG JB/AF

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DUR.FAC. 1.25

SPACING 24.0"

PLT TYP. Wave TPI



ALPINE
Engineered Products

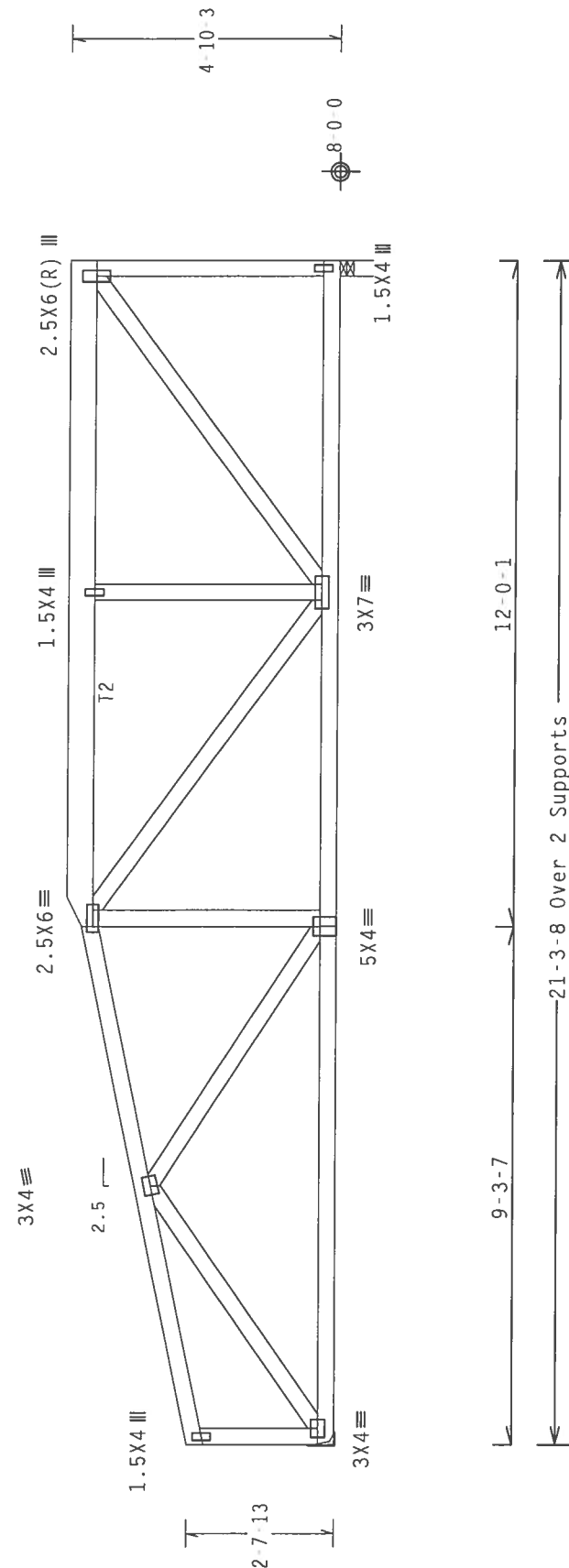
Top chord	2x4	SP #2	Dense	T2	2x6	SP #2:
Bot chord	2x4	SP #2	Dense			
	webs	2x4	SP #3			

110 mph wind, 11.75 ft mean hgt, ASCE 7-98, 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.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

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=852 U-180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

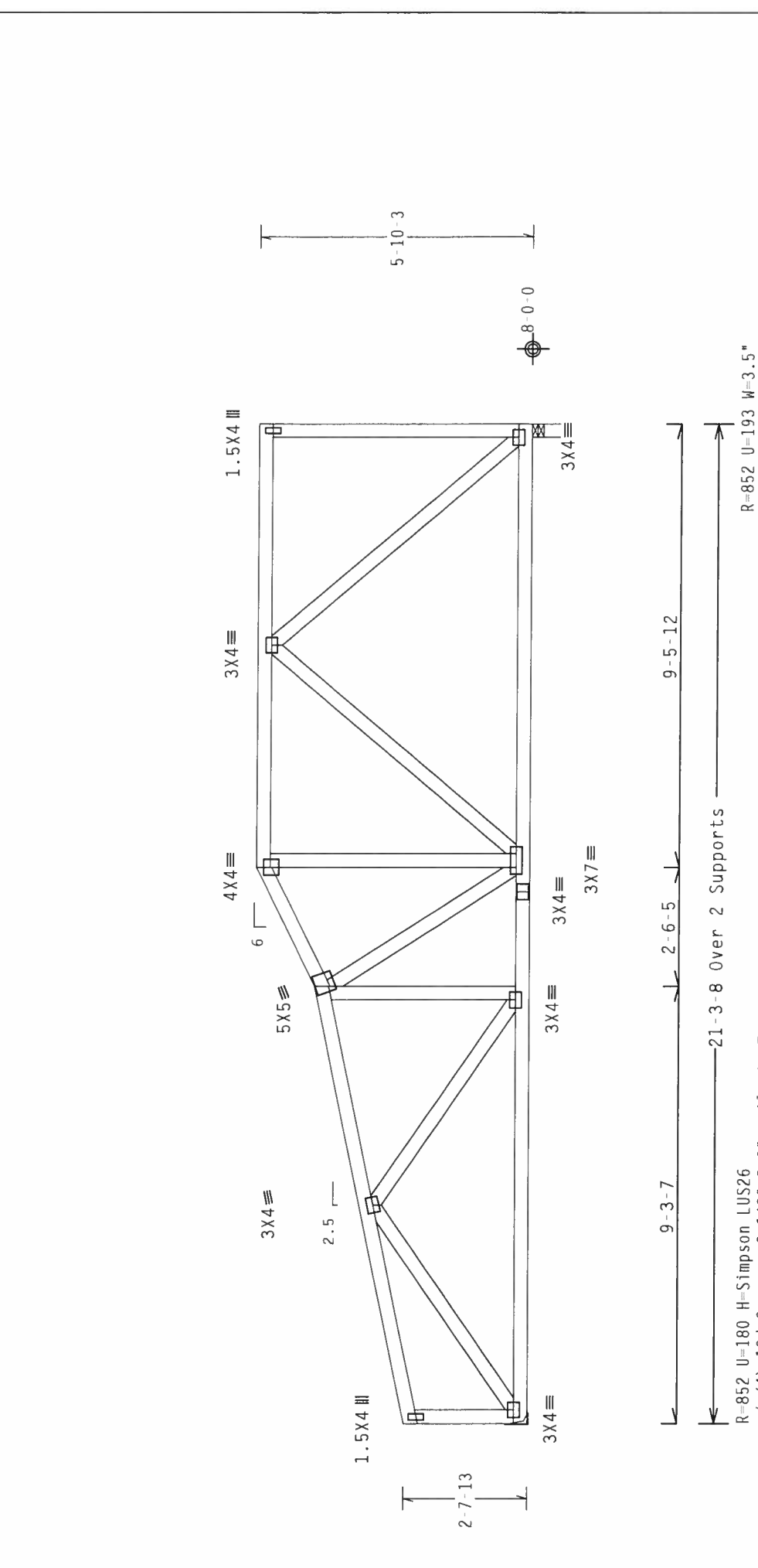
PLT TYP. Wave TPI  Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	Design Crit: TPI-1995(STD)/FBC	7.04	QTY: 1	FL - / 4 - / - R -	Scale = .3125" / Ft.
	WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY), WHICH REF. TPI (TRUSS PLATE INSTITUTE), SP3 D-DIMENSION DR., SUITE 200, WADSWORTH, MI 48090 THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. HADISON, MI 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.	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 - 67120 DATE 01/26/06 DRW HCUSR487 06026036 HC-ENG JB/AF SEQN- 27298 JREF- 1SU7487_Z03		
	IMPORTANT URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC, BY AFAPA) AND TPI. ALPINE CORRELATOR PLATES ARE MADE OF 20/18/16GA (.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 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.	No 59887 STATE OF FLORIDA PROFESSIONAL ENGINEER Jan 2 '06			

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

110 mph wind, 12.25 ft mean hgt, ASCE 7-98, 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.

End verticals not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load.

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.



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

7.04.00

Scale = .3125" / Ft.

TC LL	20.0 PSF	REF	R487--	67121
TC DL	10.0 PSF	DATE	01/26/06	
BC DL	10.0 PSF	DRW	HCUSR487	06026037
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	27299	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU7487	Z03

R-852 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

21-3-8 Over 2 Supports

R=852 U=193 W=3.5"

ALPINE

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

Professional Engineer
No. 59887
State of Florida
January 2006

WARNING: TRUSSES REQUIRE EXERCISE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCES 1.033 BUILDING COMPONENT SAFETY INFORMATION (BCSI) FOR TRUSS DESIGN, INSTALLATION, AND BRACING. 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 AREA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1666 (2.0/2.5) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL. APPLY ANY INSPECTION, ALTERATIONS, OR REPAIRS TO THE TRUSS COMPONENTS PER 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.

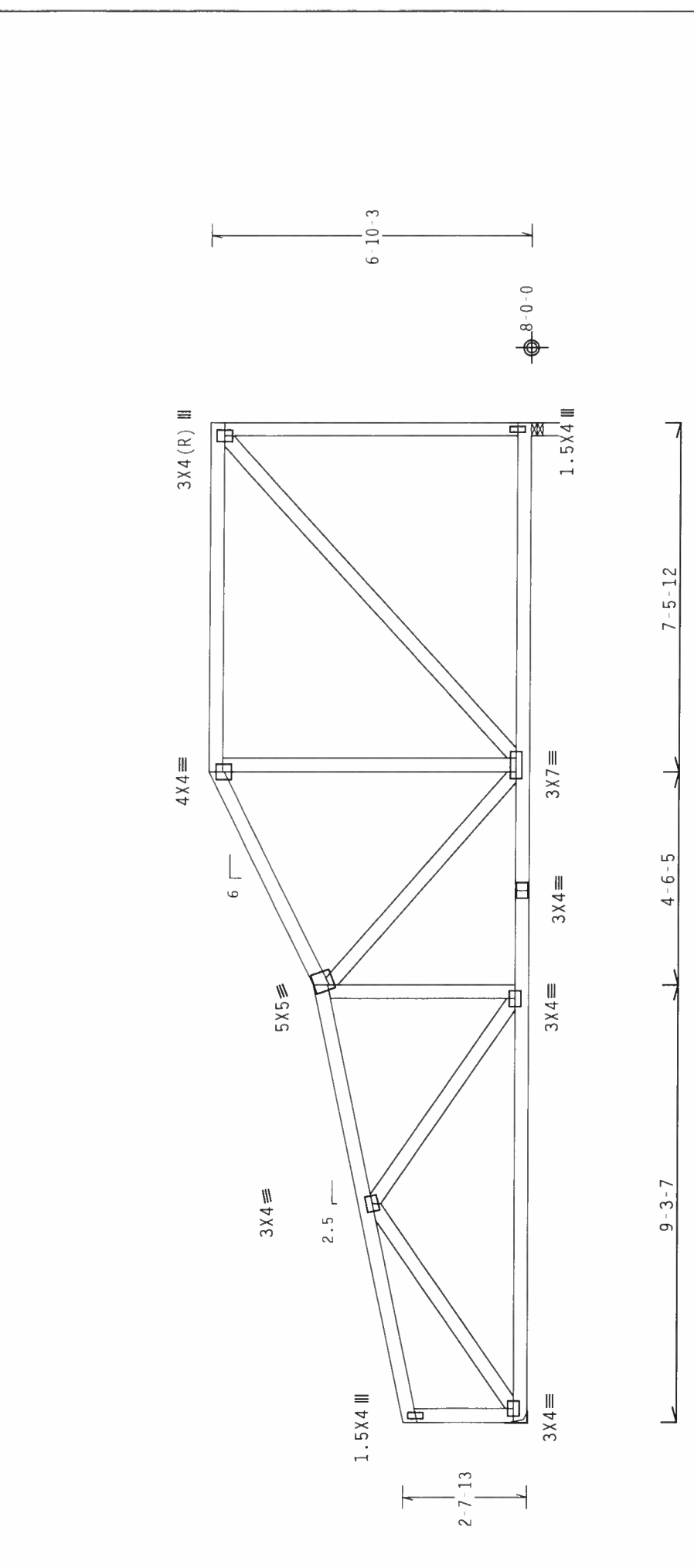
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 12.75 ft mean hgt, ASCE 7-98, 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.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

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-852 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .3125" / Ft.

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

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

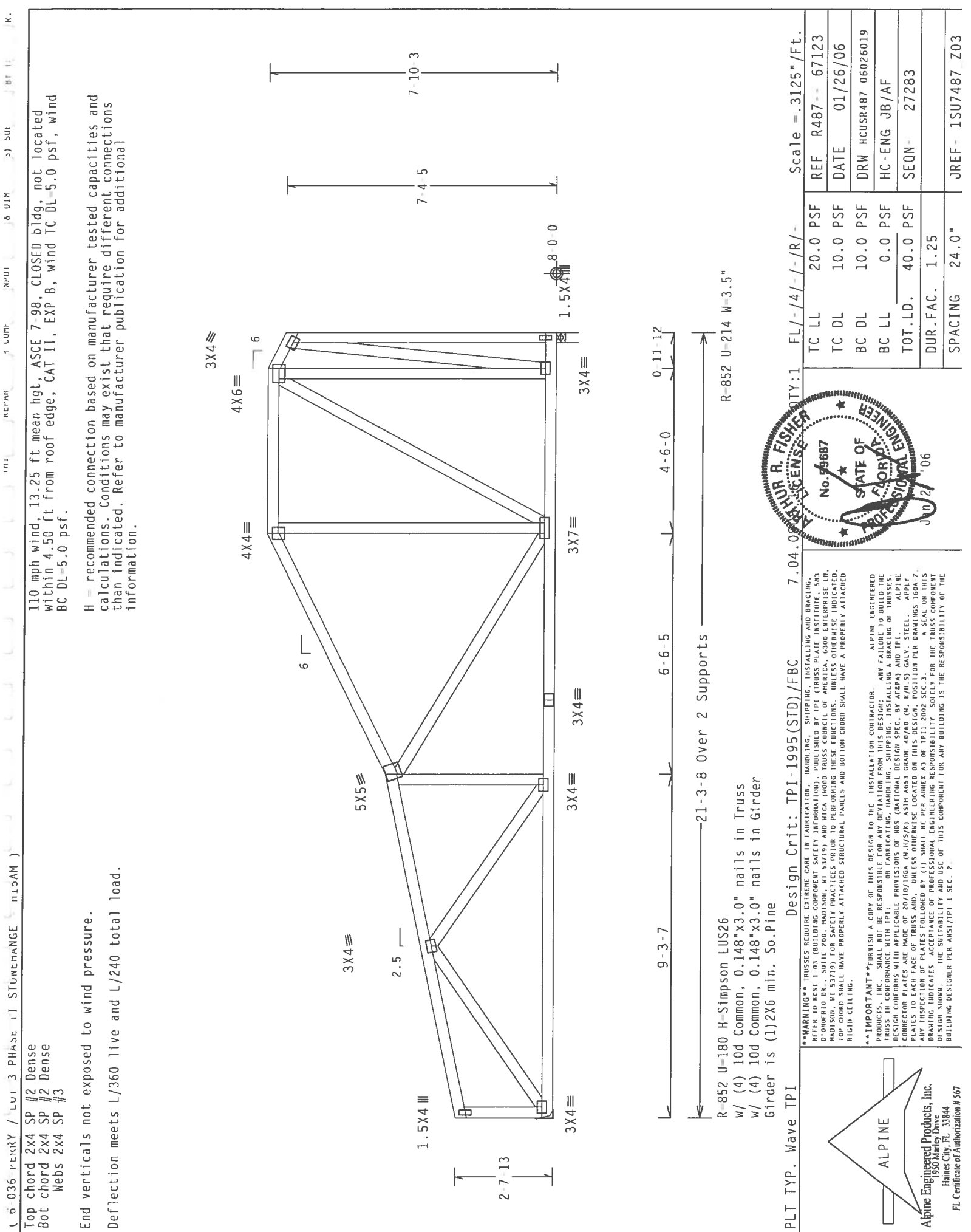
Scale = .3125" / Ft.

REF	R487--	67122
DATE	01/26/06	
DRW	HCUSR487	06026038
HC-ENG	JB/AF	
SEQN	27300	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1SU7487_Z03	

Professional Engineer
R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
Jan 27 '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, LLC, 1950 MARLEY DRIVE, SUITE 200, MADISON, MI 48070, 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 APA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/10GA (N. 17/5/1) ASTM A653 GRADE 40/40 (N. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWING THE INSTRUCTIONS OF THE DRAWING. SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN AND THE BUILDING DESIGNER PER ANSI/ASCE 1 SEC. 2.



110 mph wind, 13.25 ft mean hgt, ASCE 7-98, 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.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.04.06	FL/4/-/R/-	Scale = .3125"/Ft.
R-852 U=180 H=Simpson LUS26				REF R487- 67123
w/ (4) 10d Common, 0.148"x3.0" nails in Truss				DATE 01/26/06
w/ (4) 10d Common, 0.148"x3.0" nails in Girder				DRW HCUSR487 06026019
Girder is (1)2X6 min. So.Pine				HC-ENG JB/AF
				SEQN 27283
				DUR.FAC. 1.25
				SPACING 24.0"
				JREF- 1SU7487 Z03

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL BUILDING CODE OF AMERICA, 1190 L STREET, N.W., SUITE 200, WASHINGTON, DC 20004, 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, 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 CONNECTION PLATES ARE MADE OF 2018/18/16GA (N.H/2/S/K) ASTM A653 GRADE 40/60 (N. K/H.S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY THE TPI DESIGNER. UNLESS OTHERWISE INDICATED, THE SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. 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.

PROFESSIONAL ENGINEER

STATE OF FLORIDA

NO. 96887

R. FISHER

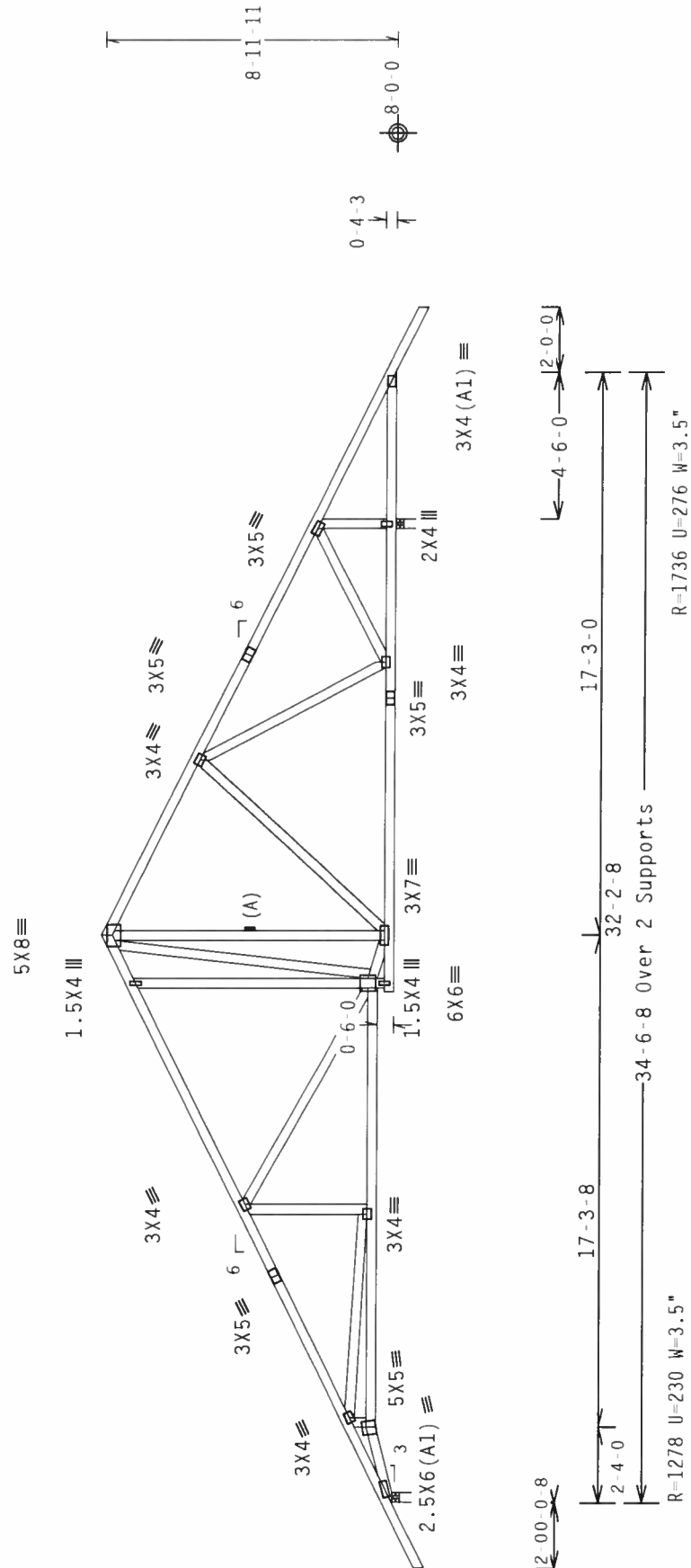
JUN 21 '06

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

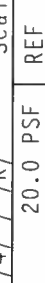
110 mph wind, 12.16 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
 within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
 BC DL=5.0 psf.

110 mph wind, 12.16 ft mean hgt, ASCE 7-98, 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.



PLT TYP. Wave TPI



Alpine Engineering Products, Inc.
 1930 Marney Drive
 Haines City, FL 33844

Design Crit: TPI-1995(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFLECT TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MARSHALL HWY, #53719) FOR SAFETY PRACTICES PRIOR TO REPAIRING THESE TRUSSES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** 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 FACTORS TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/ASD) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 20/19/16GA (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 THE SUITABILITY AND USE OF THIS COMPONENT 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.

7.04.06

7.04.06

FL / 4 / - / R / -

Scale = .1875" / Ft.

REF	R487 - -	67126
DATE	01/26/06	
DRW	HCU8487	06026021
HC-ENG	JB / AF	*
SEQN-	27285	
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1SU7487	Z03

Jan 7 '06

PROFESSOR OF ENGINEERING

ALPINE ENGINEERING

NO. 59887

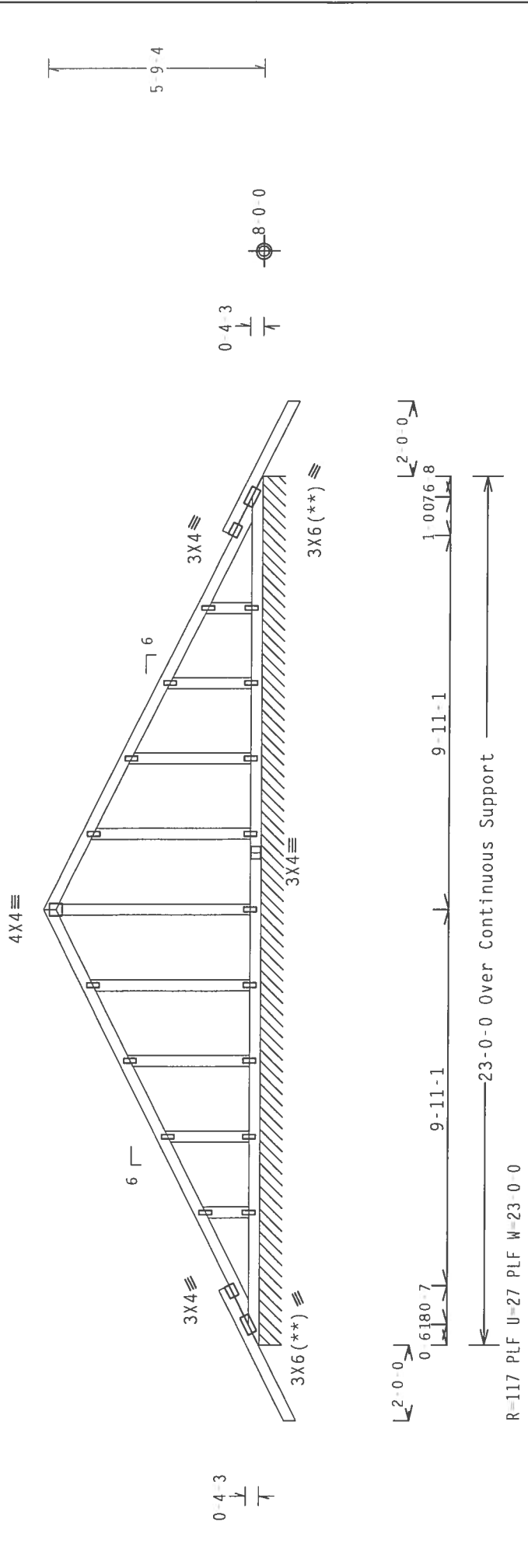
FLA. STATE BOARD OF PROFESSIONAL ENGINEERS

[illegible]

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

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -2.00 to 82 PLF at 25.00
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 23.00
BC - From 4 PLF at 23.00 to 4 PLF at 25.00

(**) Plate relocated as shown.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Alpine Engineering 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 BC51 1.03 (BUILDING COMPONENT SAFETY) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 TELEGRAPH ROAD, 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 (N-11/5/6) 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 16GA 2. PLATES SHALL BE FABRICATED AS IN TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER 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.

Design Crit: TPI-1995(STD)/FBC

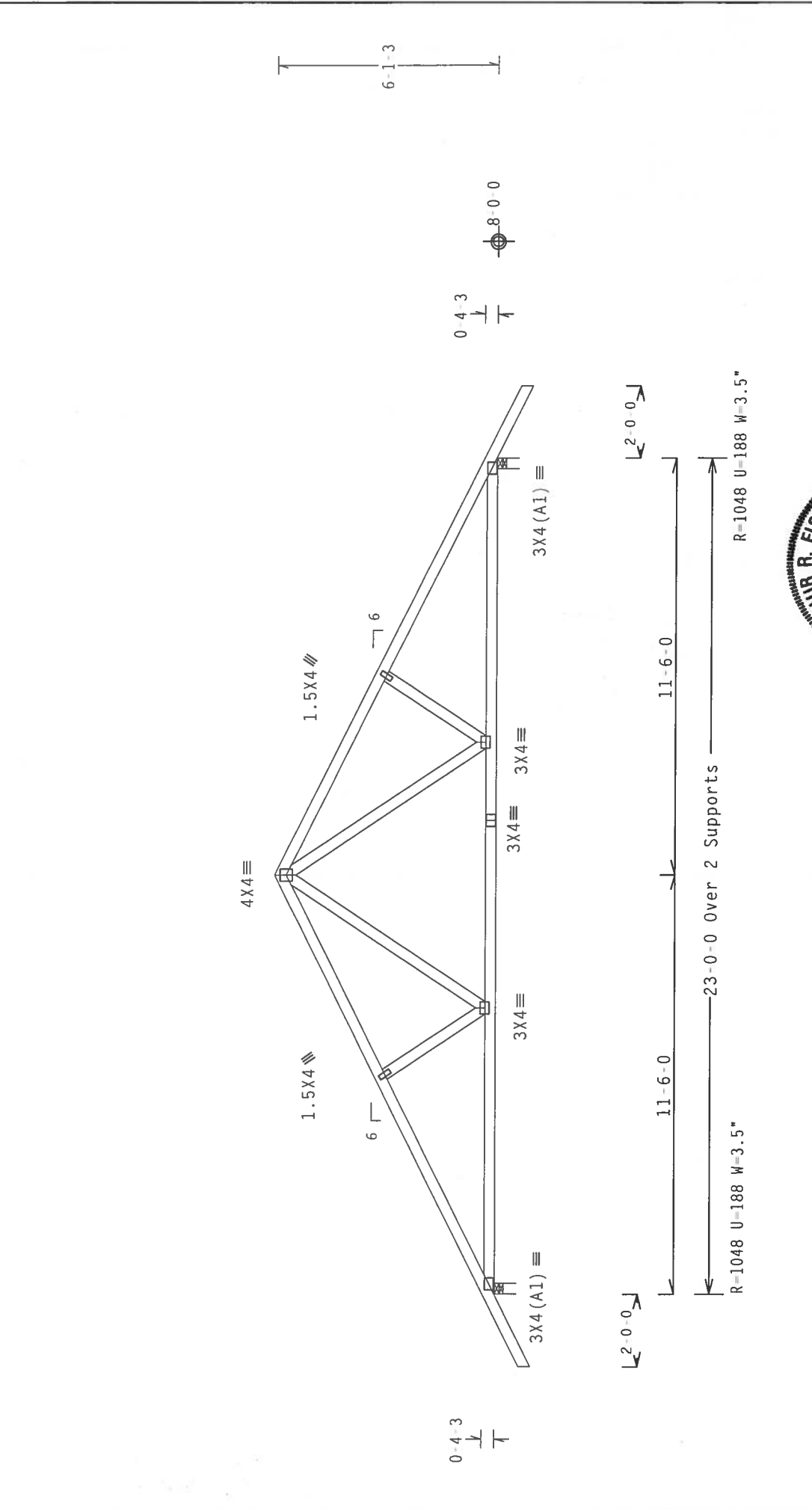
Scale = .25" / Ft.

TC LL	20.0 PSF	REF	R487--	67128
TC DL	10.0 PSF	DATE	01/26/06	
BC DL	10.0 PSF	DRW	HCUSR487	06026001
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	27319	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SU7487	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.

110 mph wind, 10.72 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.



PLT TYP. Wave TPI

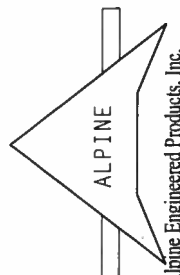
Design Crit: TPI-1995(STD)/FBC

7.04.08

TY: 3

FL / - / 4 / - / R / -

Scale = .25" / Ft.



Alpine Engineered Products, Inc.
1950 Manley Drive
James 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), TRUSSED R/T, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA 6300 ENTERPRISE BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** 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 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. TRUSSES SHALL BE LOADED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION INC. (AISC) 1600-2. DESIGN SHOWN INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR THE BUILDING COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

REF R487-- 67129

DATE 01/26/06

DRW HCUSR487 06026023

HC-ENG JB/AF *

SEQN- 27260

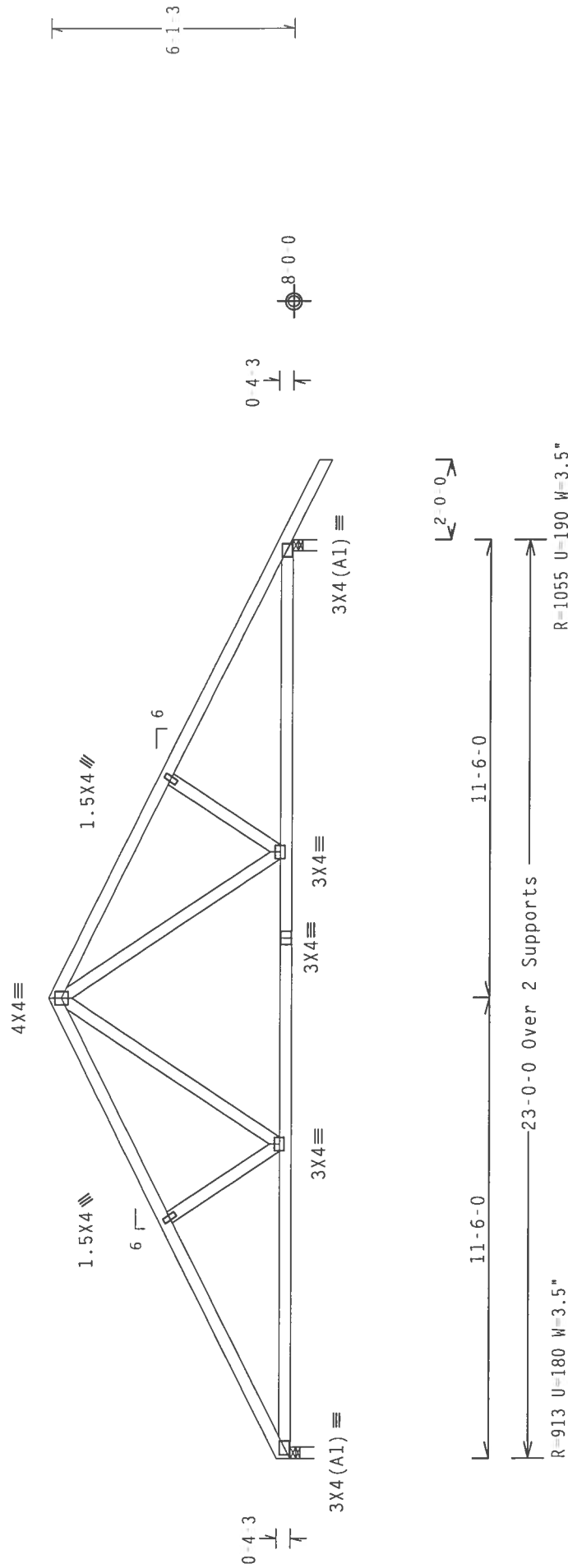
DUR.FAC. 1.25

SPACING 24.0"

JREF- 1SU7487 Z03

110 mph wind, 10.72 ft mean hgt, ASCE 7-98, 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.



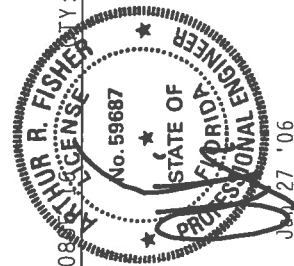
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/ERC

7-04-08
FISH
SCIENCE

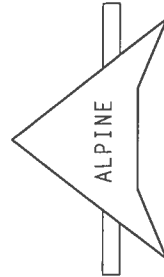
Scale = 25"/Ft

TC LL	20.0	PSF	REF R487 - 67130
TC DL	10.0	PSF	DATE 01/26/06
BC DL	10.0	PSF	DRW HCURS487 06026043
BC LL	0.0	PSF	HC-ENG JB/AF *
TOT.LD.	40.0	PSF	SEQN- 27263
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SU7487_Z03



****WARNING**** THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (CRUSS PLATE INSTITUTE, 583 RIVER RD., BOSTON, MA 02119) AND WCA (WOOD PROCESS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719) FOR ADDITIONAL INFORMATION CONCERNING THE PROPER METHODS TO PERFORMING THESE DIRECTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRACING.

THE CONTRACTOR SHALL FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR ERECTING THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN SPEC. BY AIA 1911/1650A AND THE TRUSS DESIGN SPEC. BY AIA 1911/1650A. ALL TRUSS AND CONNECTOR PLATES ARE MADE OF 2010/1650A ALUMINUM. ALL TRUSS AND CONNECTOR PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITIVE CONNECTIONS TO THE TRUSS CHORDS SHALL BE MADE TO THE CHORDS. IN THE EVENT OF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF 1911 2010 DESIGN SPEC. AND (2) SHALL BE PER ANNEX A OF 1911 2010 DESIGN SPEC. ACCORDING TO PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS COMPONENT. THE BUILDING DESIGNER PER ANNEX/P1 1 SEC. 2.

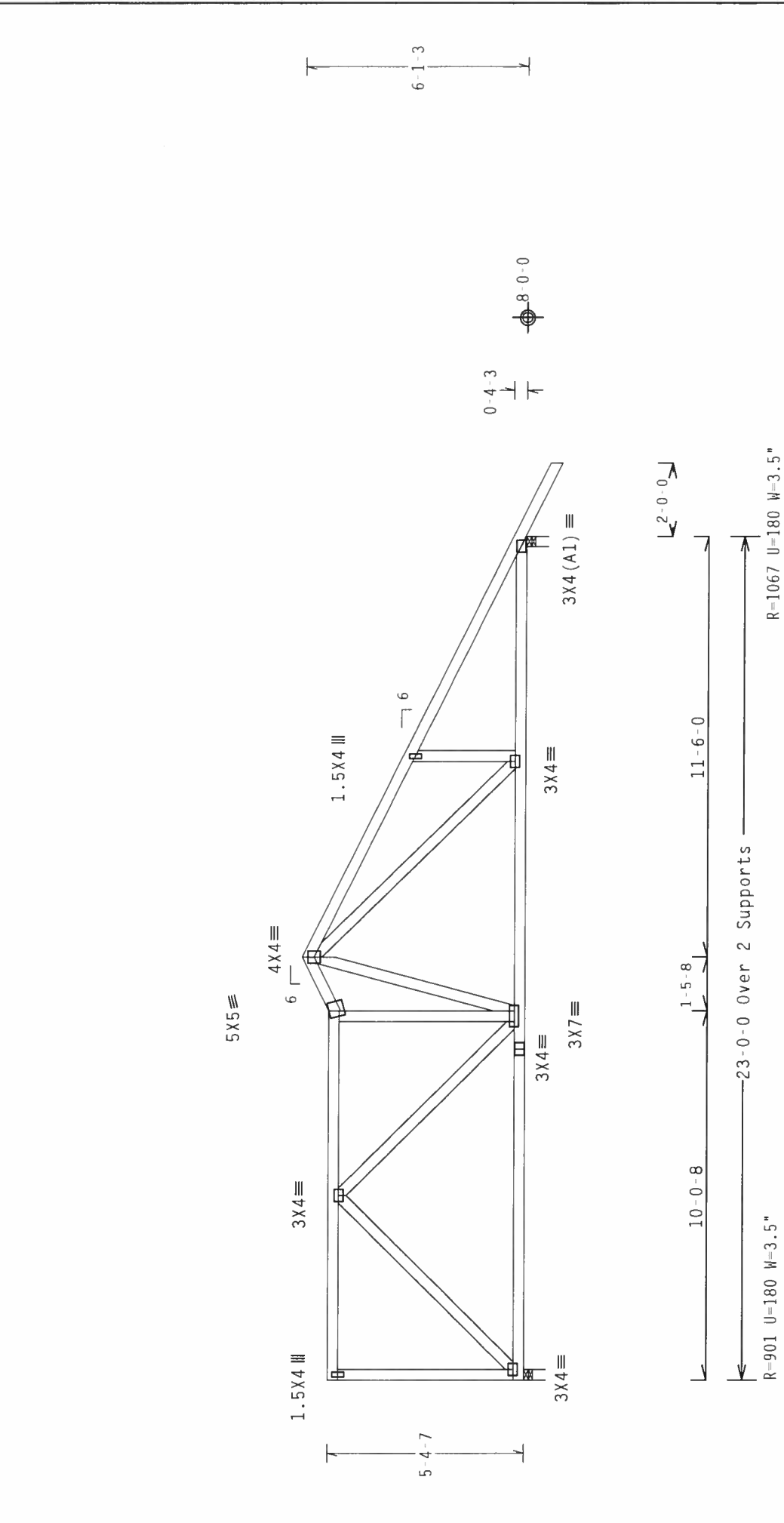


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

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

Left end vertical not exposed to wind pressure. Deflection meets L/360 live and L/240 total load.



UNIVERSITY OF ILLINOIS AT CHICAGO

PLT	TYP.	Wave TPI
Design Crit:	TPI-1995(STD)	/FBC
7.04.08	U.S. SHIELDING SYSTEMS	
FL / - 4 / - / - R / -	TY:1	
Scale = .25" / Ft.		

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, INSTALLING AND BRACING. REFER TO RCSE1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583	TC LL 20.0 PSF	REF R487 - 67132
N-76607	TC LL 20.0 PSF	REF R487 - 67132

NO. 550001
 TC DI
 10.0 PSE
 DATE 01/26/06
 TC DI
 10.0 PSE

ALL PANELS PROPERLY ATTACHED STRUCTURAL PANELS AND BUTT JOINTS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

A. I. T. M. C.
 ADAPTING ENGINEERED
 ANY FASHION
 10.00 F-31
 DRW HCLSK487 06026041

ALPINE
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND IPT.
TRUSS IN CONFORMANCE WITH IPT. OR FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES
BC LL 0.0 SF HC-ENG JB/AF

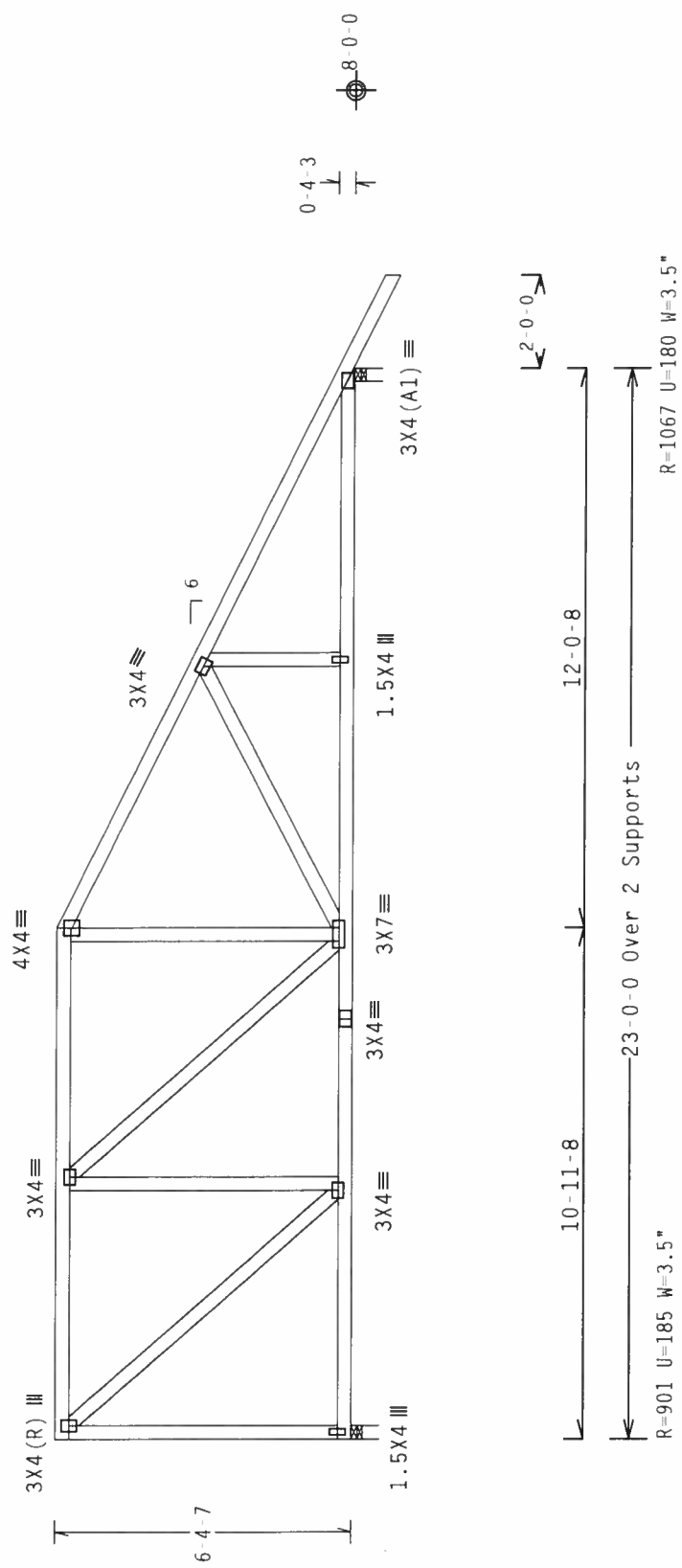
CONNECTIONAL
TYPICAL
TOT.LD. 40.0 PSF SEQN- 27303

Alpine Engineered Products, Inc.
1950 Marley Drive
Durham, N.C. 27706
1.25

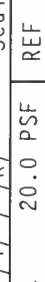
ADDITIONAL USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER AISI/PP1 1 SEC. 2.	SPACING 24.0"	JREF- 1SU7487 Z03
--	---------------	-------------------

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

Left end vertical not exposed to wind pressure. Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI



ALPINE

Alpine Engineered Products, Inc.
 1950 Marney
 Haines City, FL 33844

FL Certificate of Authorization # 567

Design Crit: TPI-1995 (STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.0. (BUILDING COMPONENT SAFETY) (STEEL PLATE, HEAVY DUTY, 503 D-0H0810 DR., SHUTE 200, MADISON, MI 52719) AND WICA (WOOD TRUSS CONSTRUCTION OF INTERMEDIATE, MADISON, MI 52719) 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, 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 MDS (NATIONAL DESIGN SPEC. BY AFAPA) AND IPT. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/M) ASTM A653 GRADE 40/60 (W. K/M/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 AME 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.

STATE OF FLORIDA

PROFESSIONAL ENGINEER

NO. 59687

JAN 17 '06

TY:1

FL/-4/-/-R/-

Scale = .25" /Ft.

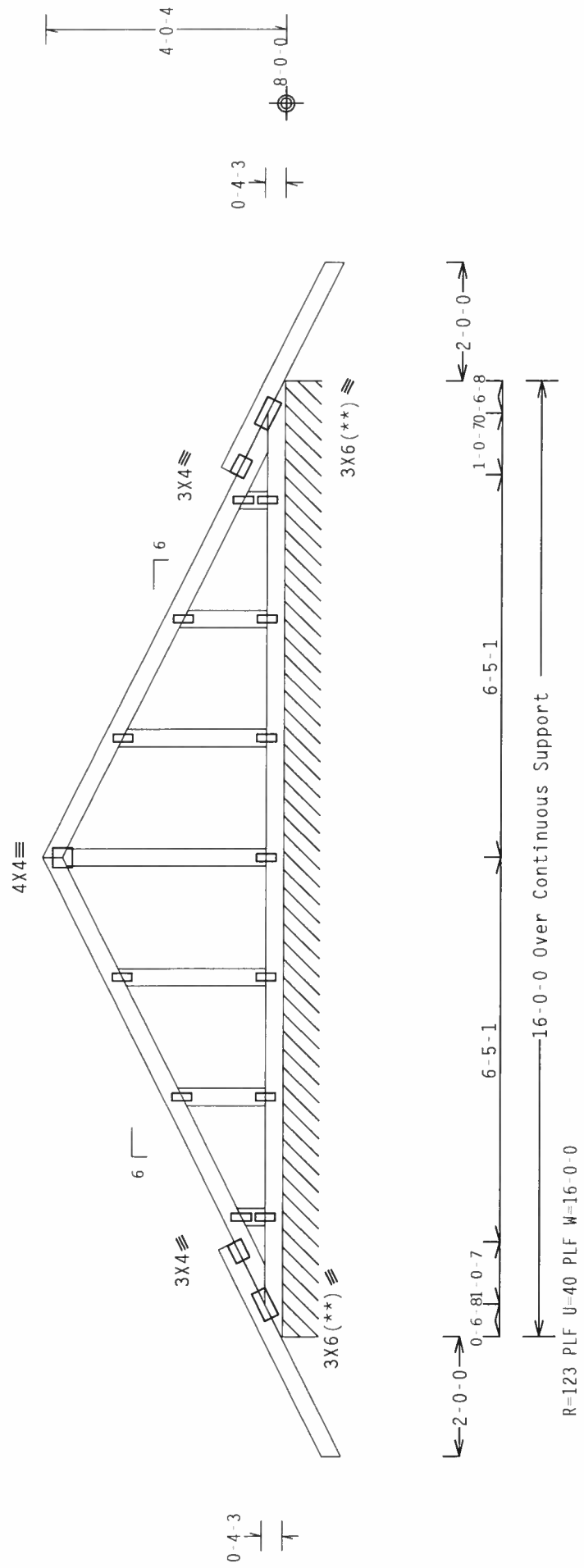
TC LL	20.0 PSF	REF R487 -	67133
TC DL	10.0 PSF	DATE	01/26/06
BC DL	10.0 PSF	DRW HCUSR487	06026039
BC LL	0.0 PSF	HC-ENG JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	27301
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SU7487 Z03

110 mph wind, 9.68 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.

See DWGS A11015EC1103 & GBLLETTIN0405 for more requirements.
Deflection meets L/360 live and L/240 total load.

SPECIAL LOADS			
----- (LUMBER		DUR.FAC.=1.25 /	PLATE DUR.FAC.=1.25)
TC	From	82 PLF at -2.00 to	82 PLF at 18.00
BC	From	4 PLF at -2.00 to	4 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 16.00
BC	From	4 PLF at 16.00 to	4 PLF at 18.00

(**) Plate relocated as shown.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

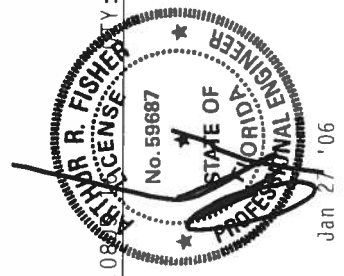
Design Crit: TPI-1995(STD)/FBC

7.04.08

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

$$\text{Scale} = 375''/\text{Ft}$$

TC LL	20.0	PSF	REF	R487 - -	67135
TC DL	10.0	PSF	DATE	01/26/06	
BC DL	10.0	PSF	DRW	HCUSR487	06026012
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	27313	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SU487	Z03



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS ASSOCIATION, 3800 DOWNTOWN DR., SUITE 200, MADISON, WI 53703, AND WCA 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.

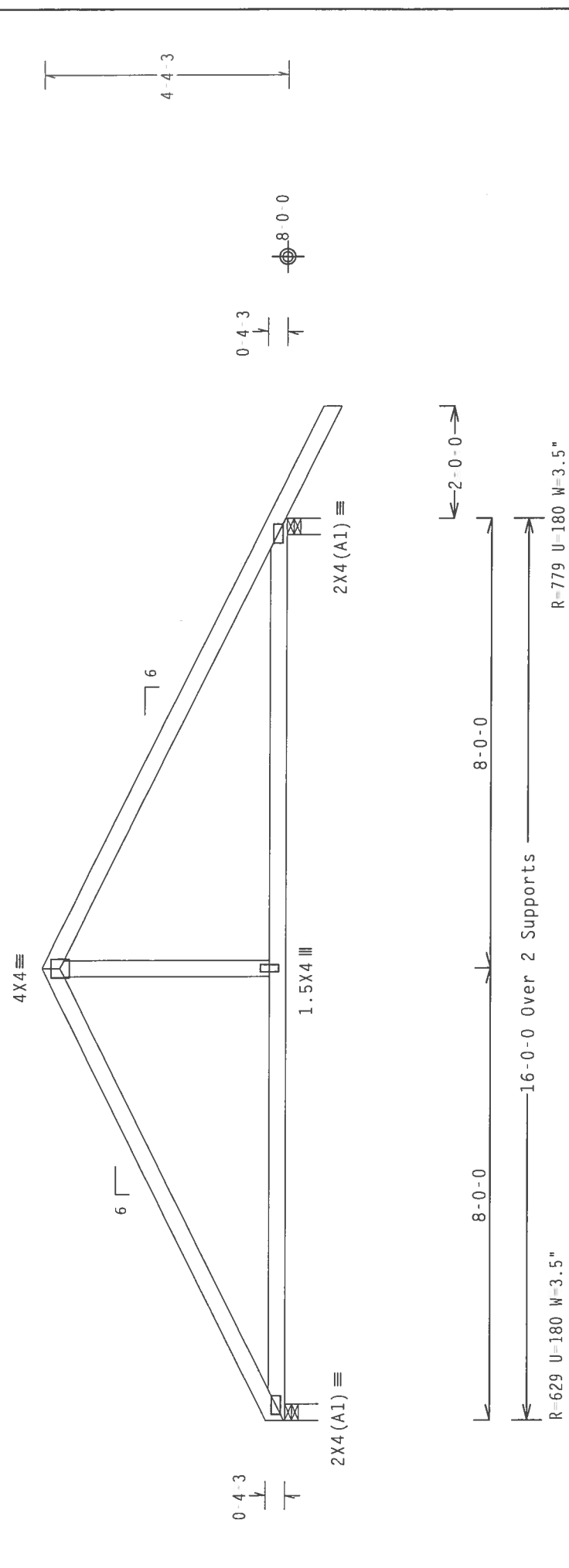
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY A/E/R/P) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA. (N./H./S/M) ASTM A653 GRADE 40/60 (N./H./S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP11 2009 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/TP1 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 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 9.85 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.

Deflection meets L/360 live and L/240 total load.



PLT. TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	67136
TC DL	10.0 PSF	DATE	01/26/06	
BC DL	10.0 PSF	DRW	HCUSR487	06026034
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	27261	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SU7487	Z03

ALPINE

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

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
JUL 27 '06

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/P) 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-2. INSPECTION PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13.5. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1. SEC. 2.

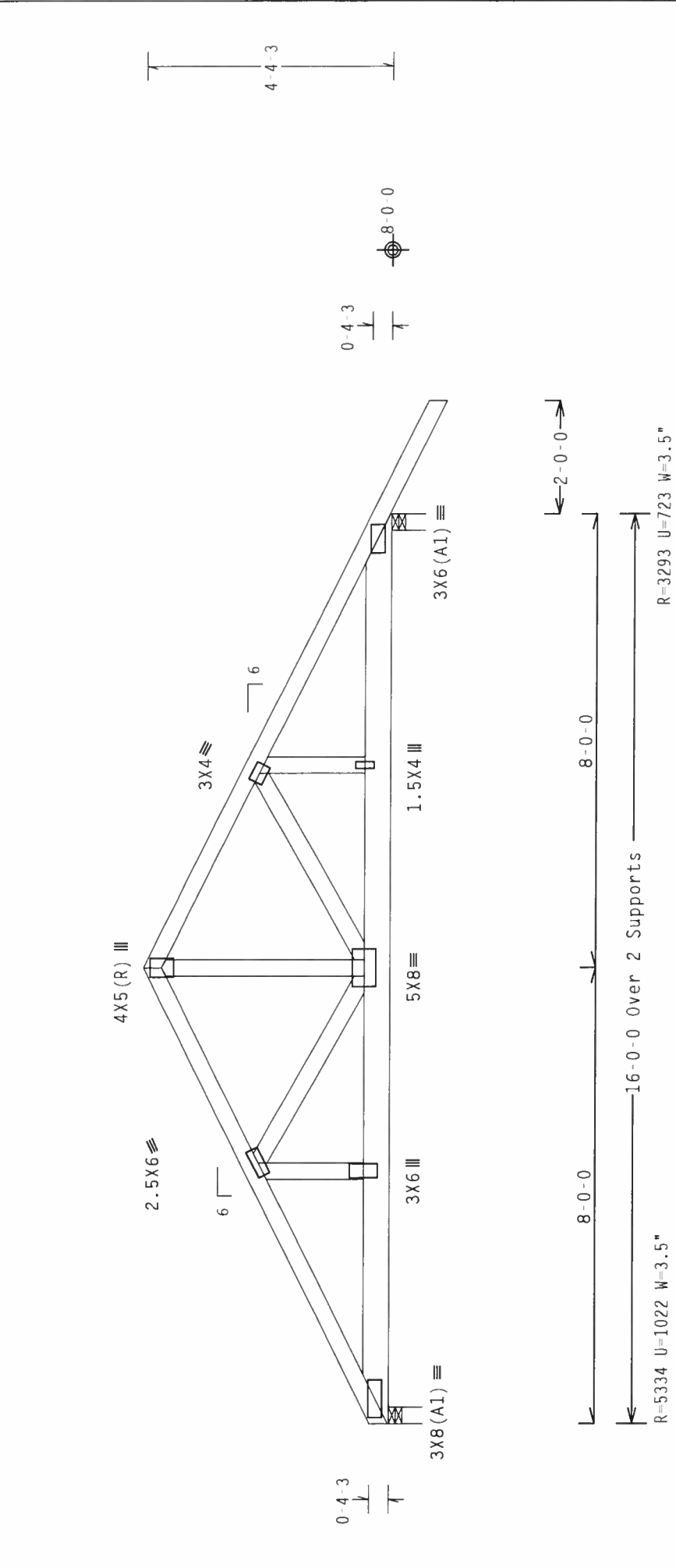
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/P) 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-2. INSPECTION PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13.5. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1. SEC. 2.

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

SPECIAL LOADS

----- (LUMBER DUR. FAC = 1.25 / PLATE DUR. FAC = 1.25) -----
 IC - From 60 PLF at 0.00 to 60 PLF at 18.00
 BC - From 20 PLF at 0.00 to 20 PLF at 16.00
 BC - From 4 PLF at 16.00 to 4 PLF at 18.00
 BC - 1182 LB Conc. Load at 0.94, 2.94, 4.94, 6.94
 BC - 2489 LB Conc. Load at 8.94
 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, Located
 anywhere in roof, CAT II, EXP B, wind IC DI = 5.0 nsf wind BC DI = 5.0

Deflection meets L/360 live and L/240 total load.
psi.



A circular logo with the text "R. F. S. CLUB" arranged around the perimeter. The letters are bold and serifed. There is a small decorative element at the bottom center of the circle.

[illegible]

IC LL ZU.U Pst
No. 59687 REF K487-- 67137

	DATE	TIME	DL	PSP	U.S.	STATE OF
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING..	01/26/08					

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
ALTHE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TO
NEEDS

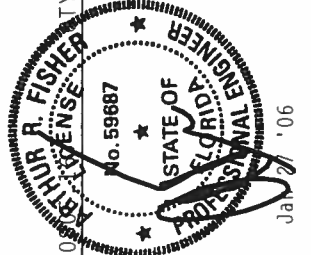
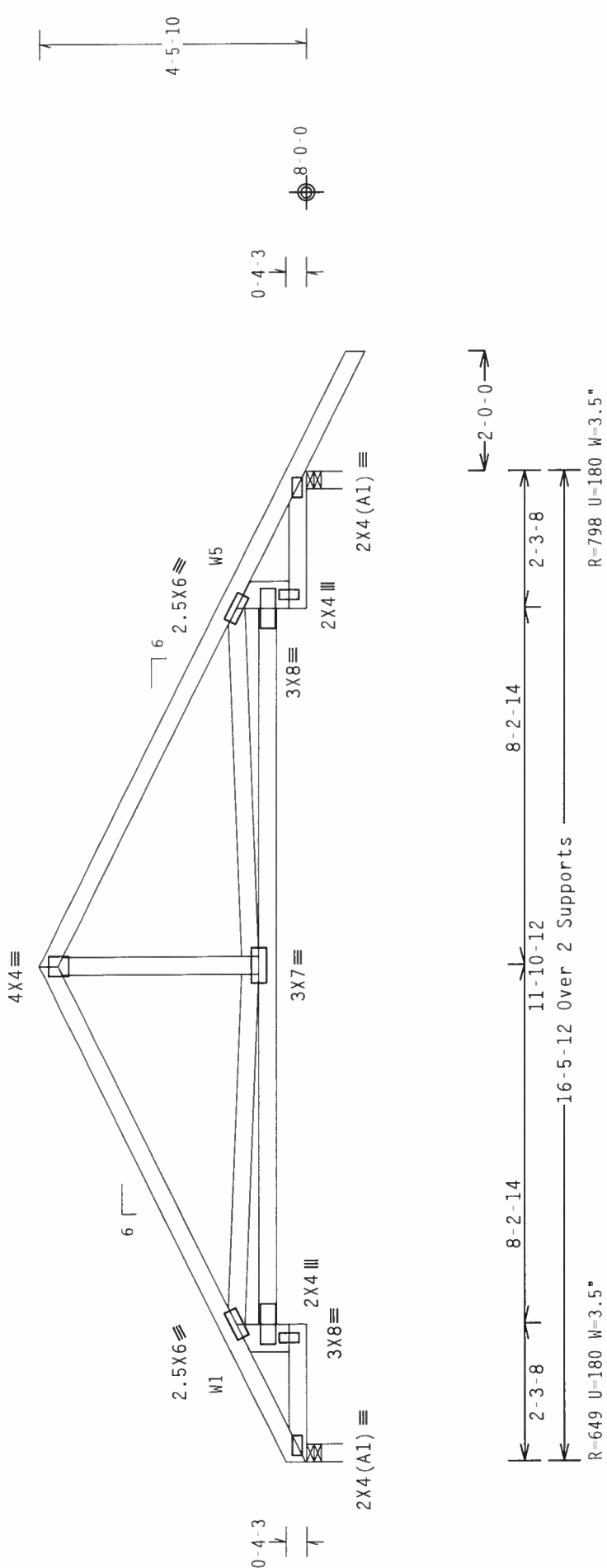
[illegible]

Alpine Engineered Products, Inc.

1900 RINEY DRIVE
Haines City, FL 33844

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1, W5 2x6 SP #2:
110 mph wind, 9.91 ft mean hgt, ASCE 7-98, 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.



Scale = .375"/Ft.	REF R487 - - 67139
DATE 01/26/06	DRW HCUSR487 06026045
HC-ENG JB/AF	SEQN - 27265
DUR.FAC. 1.25	JREF - 1SU7487_Z03
SPACING 24.0"	

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.08

TY:2 FL/-/4/-/R/-

****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 HARTFORD DR., SUITE 200, FARMINGTON, CT 06030-1201, FOR ADDITIONAL INFORMATION. THE FOLLOWING ARE THE MINIMUM REQUIREMENTS FOR THE FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. 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 2018/16GA (W-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 DESIGNER 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

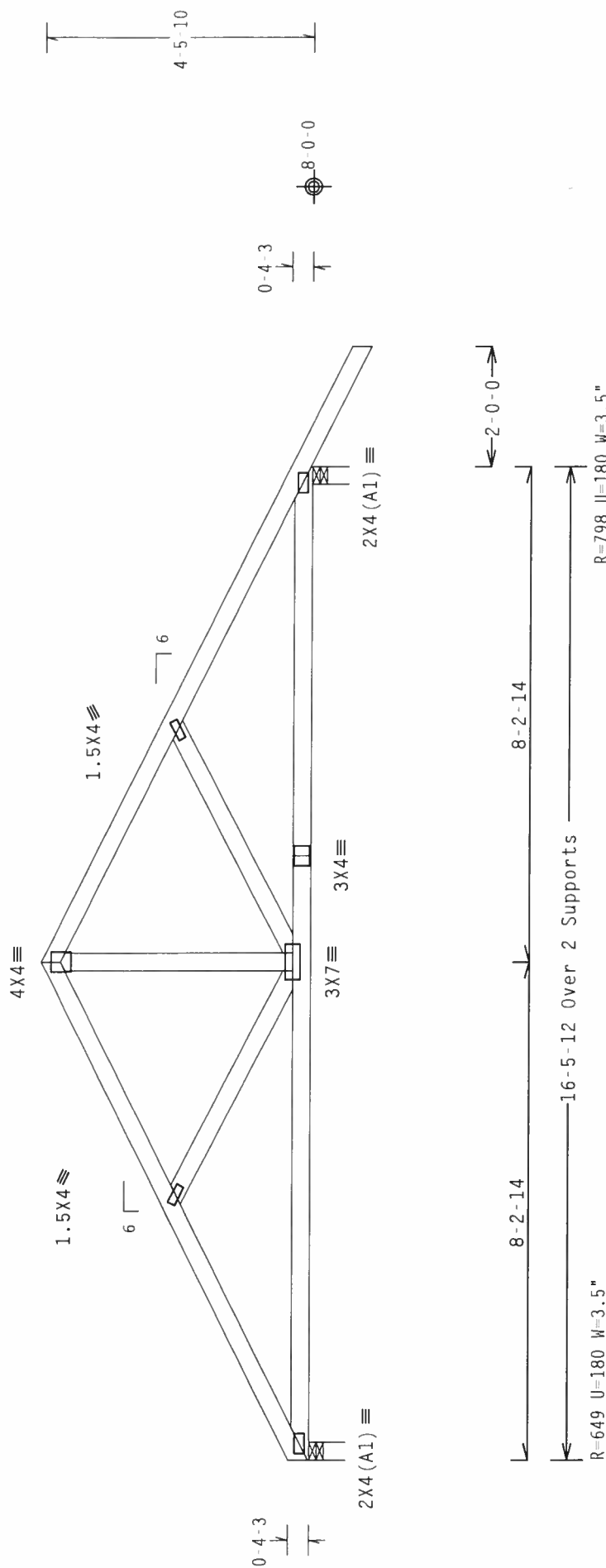
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

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

110 mph wind, 9.91 ft mean hgt, ASCE 7-98, 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.

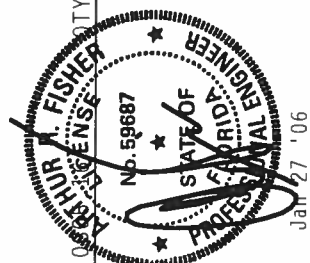


PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

TC LL	20.0	PSF	REF R487 - 67140
TC DL	10.0	PSF	DATE 01/26/06
BC DL	10.0	PSF	DRW HCUR487 06026005
BC LL	0.0	PSF	HC-ENG JB/AF *
TOT.LD.	40.0	PSF	SEQN 27270
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SU7487_Z03



WARNING: THOSE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESI 1103 GUIDING COMPANY, PUBLISHED BY IP1 (RUSS PASEL INSTITUTE, 583 D. OMOFF RD., SUITE 200 MADISON, WI 53719) AND METAL FABRICATOR, SUITE 606, 616 E. FIRST ST., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERS INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

[illegible]

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	2x6	SP #1	Dense
webs	2x4	SP #3	
:B2 2x6 SP #2:			

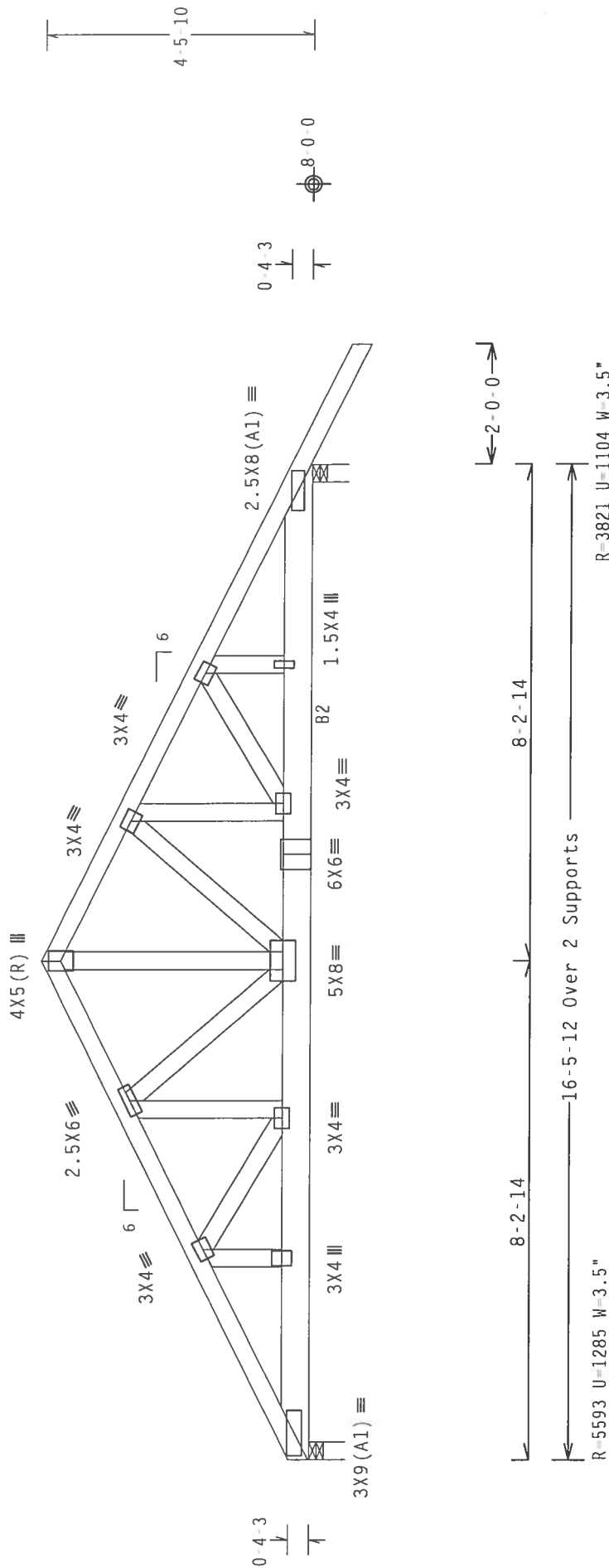
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 2 Rows @ 6.00" o.c. (Each Row)
 Webs : 2 Rows @ 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, 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.



PLT TYP. Wave TPI

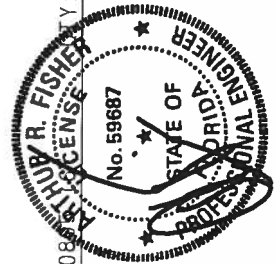
Design Crit: TPI-1995 (STD) / FRC

7 04 08

Scale = 375"/ft

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TO AVOID BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPF (CRUSS PLACE INSTITUTE, 583 MADISON, SE 53719), FOR SAFETY PRECISE PHOTOGRAPHY, CONTACT THE CRUSS PLACE INSTITUTE, 583 MADISON, SE 53719. FOR SAFETY PRECISE PHOTOGRAPHY, CONTACT THE CRUSS PLACE INSTITUTE, 583 MADISON, SE 53719.

IMPORTANTT**URNISH A COPY OF THIS DESIGN TO THE 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 TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
CONNECTIONS AND JOINTS, OR PROVIDING OF JOBS (NATIONAL DESIGN SPEC., BY AIA/PA) AND TYPICAL
CONNECTIONS, SHALL BE MADE TO THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE
PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIGOA. 2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBIX 43 OF TP1-2002 SEC.3.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGNED. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT NOT SHOWN ON THIS
BUILDING DESIGNER PER AMBIX/TP1 1 SEC. 2.



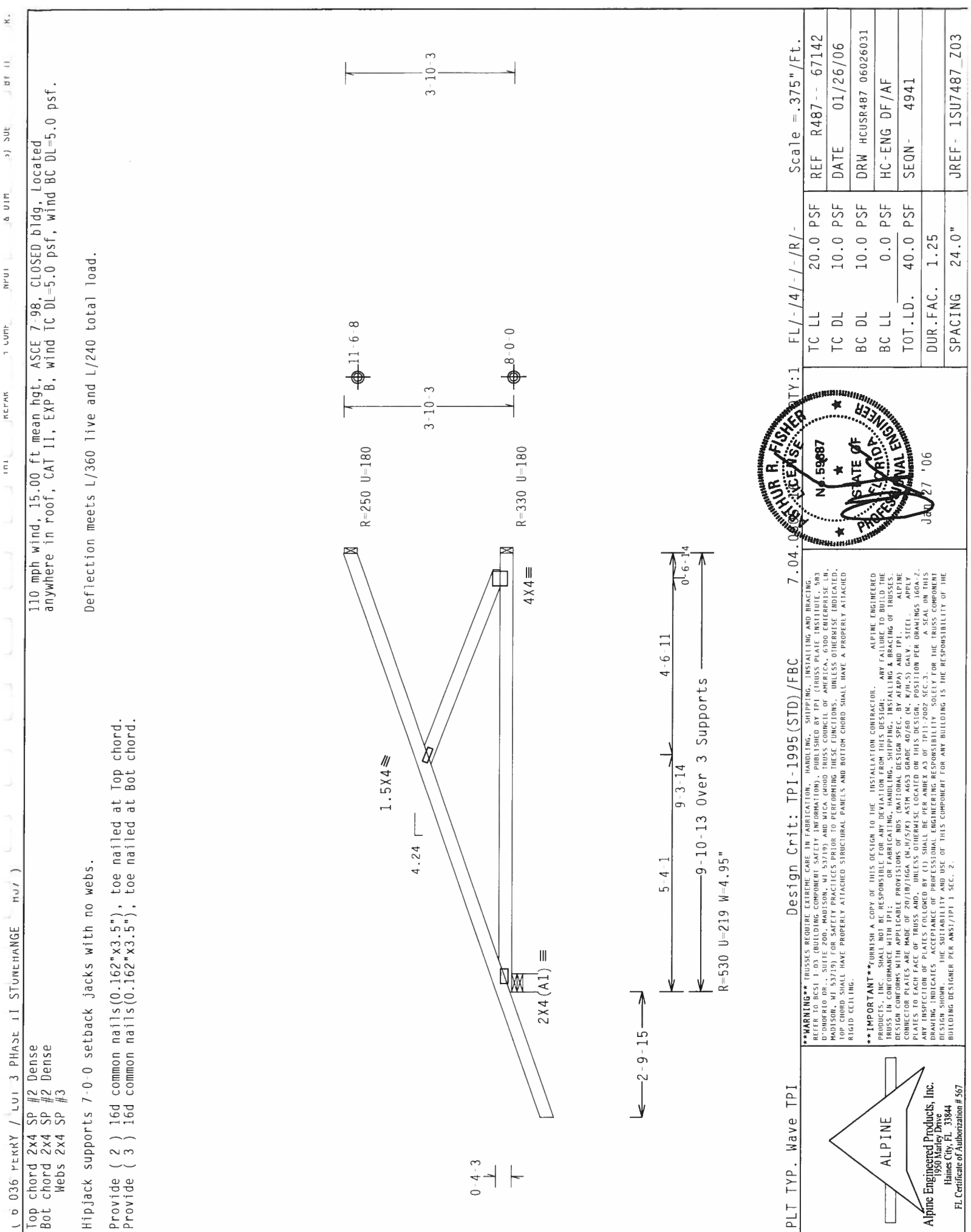
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Haines City, FL 33844
FL Certificate of Authorization # 567

Jan 27 '06

SPACING 24.0"

REF- 1SU7487 Z03



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

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.

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.
Deflection meets L/360 live and L/240 total load.

Design Crit: TPI-1995(STD)/FBC

PLT TYP. Wave TPI

Scale = .375" / Ft.

REF R487 - 67142

DATE 01/26/06

DRW HCUSR487 06026031

HC-ENG DF/AF

SEQN - 4941

DUR.FAC. 1.25

SPACING 24.0"

JREF - 1SU7487_Z03

STANLEY R. FISHER
N. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JAN 27 '06

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

ALPINE

ALPINE

ALPINE

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ALPINE

ALPINE

ALPINE

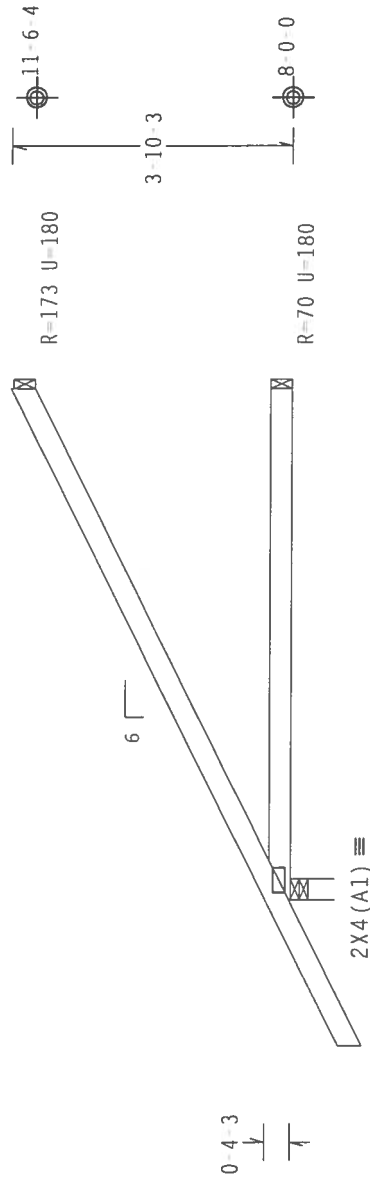
ALPINE

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

110 mph wind, 9.60 ft mean hgt, ASCE 7-98, 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.

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-

7-0-0 Over 3 Supports

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FRC

FISHES
SCIENCE
TY-23

EI 1-1A 1-1R 1-

$$\text{scale} = 375"/\text{Et}$$

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO MEET LOS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PANEL INSTITUTE, 583 MADISON AVE., SUITE 600, NEW YORK, NY 10017) AND HCCA (WOOD ROOFING COUNCIL OF AMERICA, 6300 INTERSTATE 10, DALLAS, TX 75249). FOR SAFETY PRECAUTIONS WHEN PERFORMING THESE OPERATIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED GIGG SETTING.

TC LL	20.0 PSF	REF R487 - - 67143
TC DL	10.0 PSF	DATE 01/26/06

No. 59687

ALPINE

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

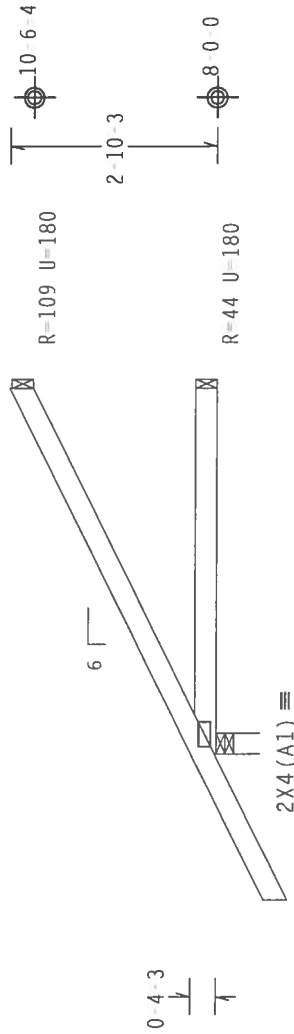
Haines City, FL 33844
 FL Certificate of Authorization # 567

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

110 mph wind, 9.10 ft mean hgt, ASCE 7-98, 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.

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 0 7

←5-0-0 Over 3 Supports →
R=376 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/ERC

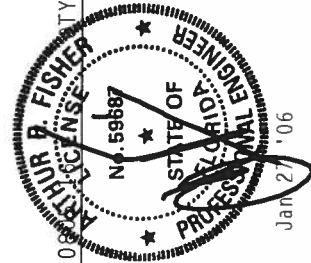
7.04.08

FI 1-141-1-181-

Scale = 375"/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 PEAKE INSTITUTE, 593 MADISON, SUITE 571, FORT WORTH, TEXAS 76102), FOR SAFETY PRACTICES BEFORE BEGINNING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT****TURKISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.
THESE DRAWINGS ARE PREPARED BY THE ARCHITECTURE, ENGINEERING AND CONSTRUCTION
FIRM (AEC) IN ACCORDANCE WITH THE REQUIREMENTS OF THE TURKISH BUILDING CODES
AND STANDARDS. THE ARCHITECTURE, ENGINEERING AND CONSTRUCTION FIRM (AEC)
IS NOT RESPONSIBLE FOR THE DESIGN OF THE TRUSS COMPONENTS. THE DESIGN OF THE
TRUSS COMPONENTS IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSHP/TPI 1 SEC. 2.



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

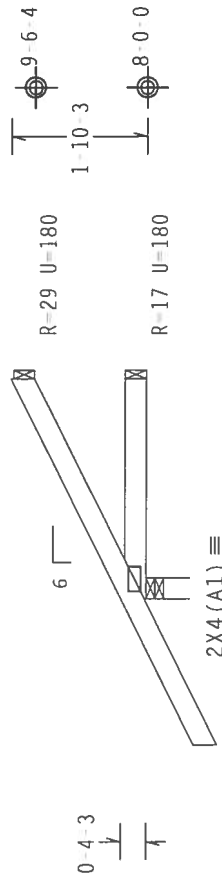
Haines City, FL 33844
FL Certificate of Authorization # 567

JREF- 1SU7487 703

110 mph wind, 8.60 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.

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.

Deflection meets L/360 live and L/240 total load.



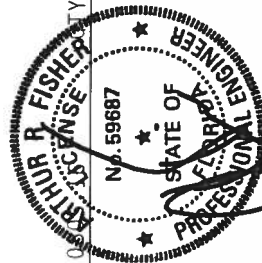
$\leftarrow 2-0-0 \rightarrow$
 $\leftarrow 3-0-0 \rightarrow$ Over 3 Supports
 $R = 322 \quad W = 180 \quad W = 3.5"$

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Design Crit: TPI-1995 (STD)/FBC

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CORRECTION PLATES ARE MADE TO COMPLY WITH NATIONAL DESIGN SPEC. BY ATAPMA AND TP1. ALPINE CONNECTOR PLATES ARE MADE TO COMPLY WITH NATIONAL DESIGN SPEC. BY ATAPMA AND TP1. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS SPECIFICATION. IF ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER AMEBC AS OF TP1-1 2002 SEC 2.3.1. SHALL INDICATE DRAYING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS BUILDING. THE SUSTAINABLE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING DESIGNER PER AM5/TP1 1 SEC. 2.



Jan 27, '06

TC LL	20.0	PSF	REF R487 - 67145
TC DL	10.0	PSF	DATE 01/26/06
BC DL	10.0	PSF	DRW HCUR487 06026033
BC LL	0.0	PSF	HC-ENG JB/AF *
TOT.LD.	40.0	PSF	SEQN - 27296
DUR.FAC.	1.25		
SPACING	24.0"		JREF - 1SU7487_Z03

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
110 mph wind, 8.10 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.

Deflection meets L/360 live and L/240 total load.
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.
* PROVIDE CONNECTION FOR 191# UP OR DOWN AT A 1.25 DURATION FACTOR.



R=191 U= *

R=19 U=180

R=418 U=180 W=3.5"

1-0-0 Over 3 Supports

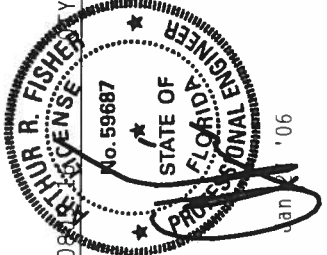
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

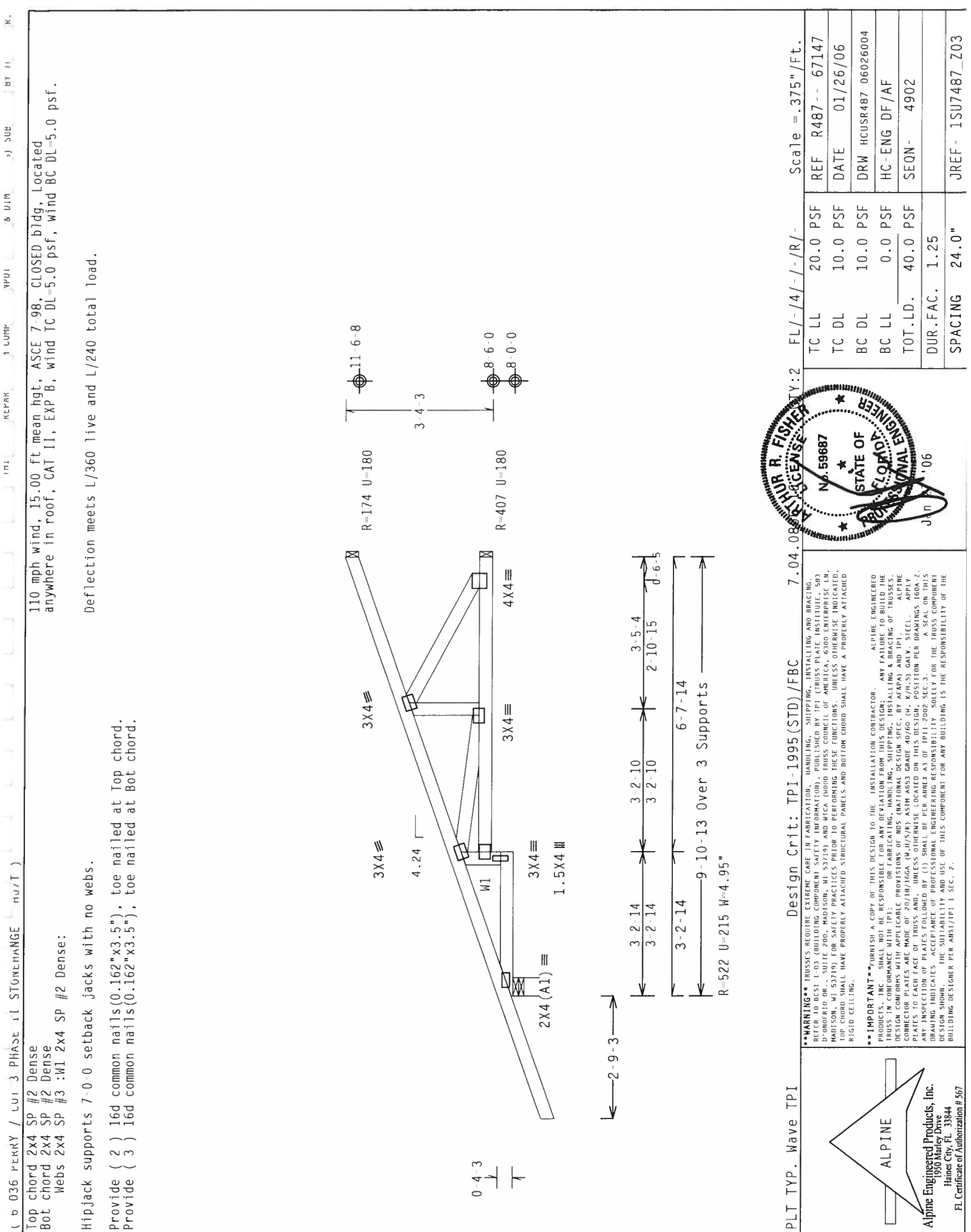
Scale = .375" / Ft.

REF	R487--	67146
DATE	01/26/06	
DRW	HCUSR487	06026007
HC-ENG	JB/AF	
SEQN	27272	
JREF	1SU7487_Z03	

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"



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Haines City, FL 33844
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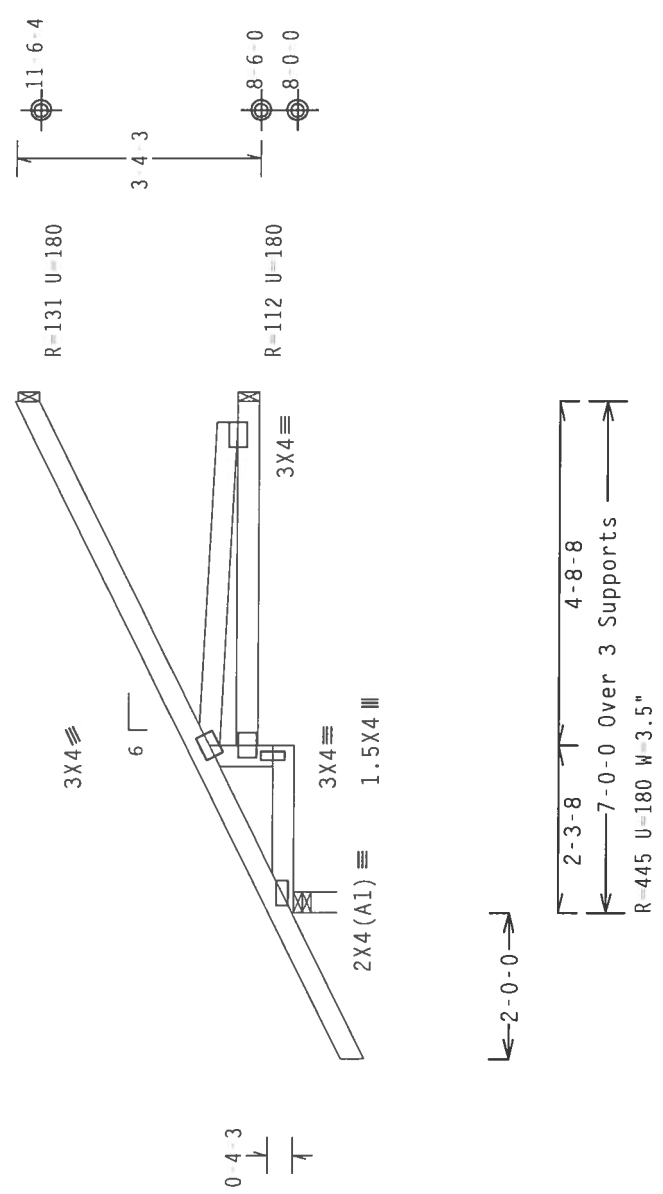


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 9.60 ft mean hgt., ASCE 7-98, 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.

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 TPI

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

Design Crit: TPI-1995(STD)/FBC

7.04.00

Scale = .375" / Ft.

REF R487-- 67148
DATE 01/26/06
DRW HCUSR487 06026018
HC-ENG JB/AF
SEQN- 27282
DUR.FAC. 1.25
SPACING 24.0"

JAN 27 '06

110 mph wind, 9.60 ft mean hgt., ASCE 7-98, 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.

110 mph wind, 9.60 ft mean hgt., ASCE 7-98, 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.

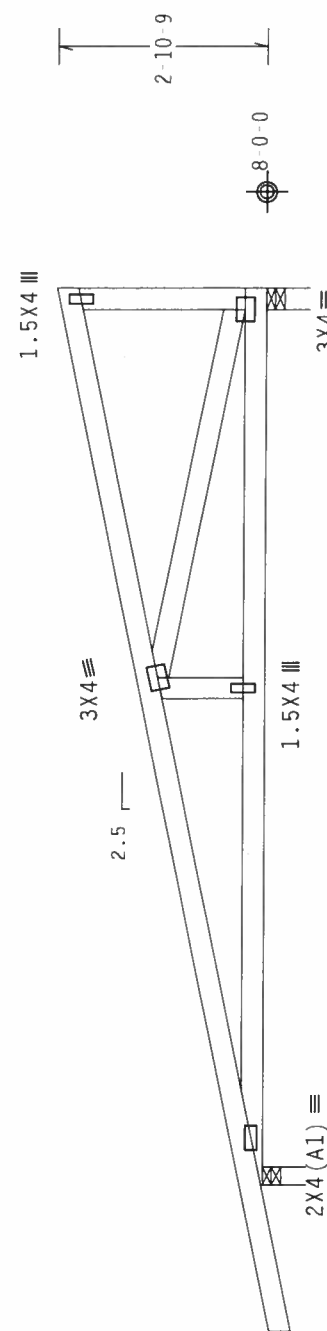
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

110 mph wind, 9.39 ft mean ht., 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.

Deflection meets L/360 live and L/240 total load.

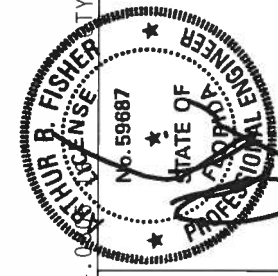
Right end vertical not exposed to wind pressure.

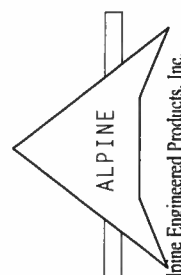


12-3-8 Over 2 Supports

R=643 U=209 W=3"

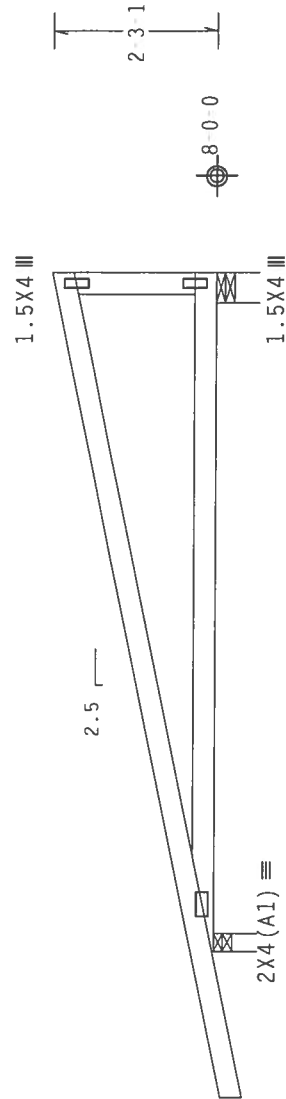
R=468 U=180 W=3.5"



PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.04.0	TY: 4	FL / - / 4 / - / - / R / -	Scale = .375" / Ft.	
 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 BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) AND WTA (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.				TC LL 20.0 PSF	REF R487 -- G7152
	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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2010/16GA (H-JU/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 DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.				TC DL 10.0 PSF	DATE 01/26/06
					BC DL 10.0 PSF	DRW HCUSR487 06026011
					BC LL 0.0 PSF	HC-ENG JB/AF *
					TOT.LD. 40.0 PSF	SEQN- 27276
					DUR.FAC. 1.25	
				SPACING 24.0"	JREF 1SU7487 Z03	

Top chord	2x4	SP #2	Dense	110 mph wind, 9.08 ft mean hgt, ASCE 7-98, 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		

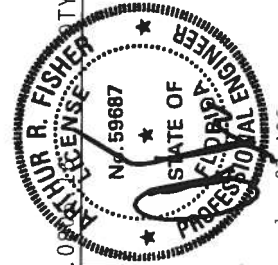
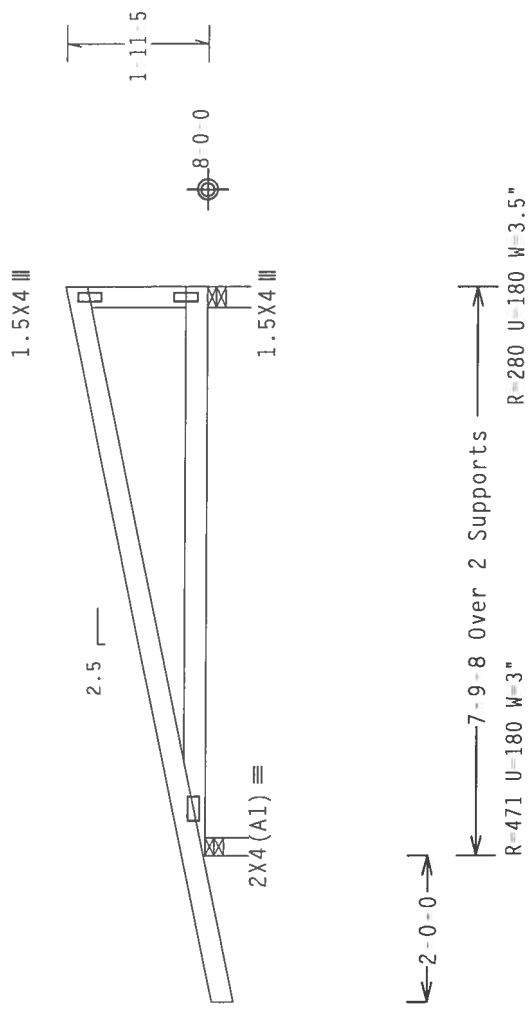
Deflection meets L/360 live and L/240 total load. Right end vertical not exposed to wind pressure.

[illegible]

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

110 mph wind, 8.92 ft mean hgt., ASCE 7-98, 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.



PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.04.08	TY:5	FL/-/4/-/R/-	Scale = .375"/Ft.
			TC LL	20.0 PSF	REF R487-- 67154
			TC DL	10.0 PSF	DATE 01/26/06
			BC DL	10.0 PSF	DRW HCUSR487 06026017
			BC LL	0.0 PSF	HC-ENG JB/AF *
			TOT.LD.	40.0 PSF	SEON- 27281
			DUR.FAC.	1.25	
			SPACING	24.0"	JREF- 1SU7487_Z03

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE U.S. DEPARTMENT OF COMMERCE, NATIONAL BUREAU OF STANDARDS, 400 MARYLAND DRIVE, SUITE 300, GAITHERSBURG, MD 20878-1204, AND THE U.S. DEPARTMENT OF COMMERCE, NATIONAL BUREAU OF STANDARDS, 400 MARYLAND DRIVE, SUITE 300, GAITHERSBURG, MD 20878-1204, 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 HUD (NATIONAL DESIGN SPEC. BY ATRPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-11/57X) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY CONNECTOR EACH END OF EACH TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT. BUILDING DESIGNER PER HUD/TPI 1 SEC. 2.

ALPINE

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

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.

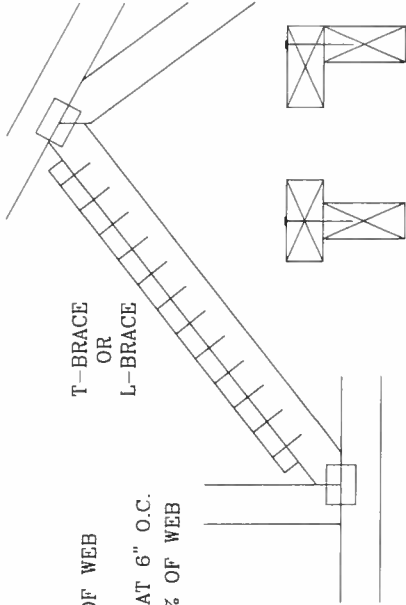
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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:

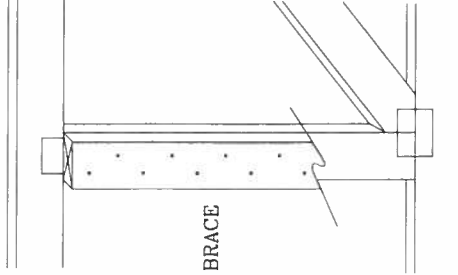
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



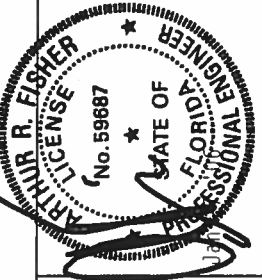
T-BRACE
OR
L-BRACE

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

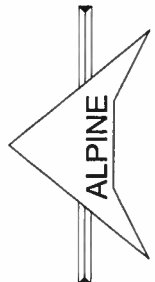


SCAB BRACE



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 PRODUCTIONS, INC.), 10000 W. 11TH AVE., SUITE 100, DENVER, CO 80231, FOR SAFETY INFORMATION. A WOOD TRUSS COUNCIL OF AMERICA 6300 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY INFORMATION. SAFETY INFORMATION IS PROVIDED FOR 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. FOR WOOD CONSTRUCTION) AND AISC (STEEL ECTIONAL SPECIFICATION). ALL TRUSSES SHALL BE GRADED 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TOP CHORD. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

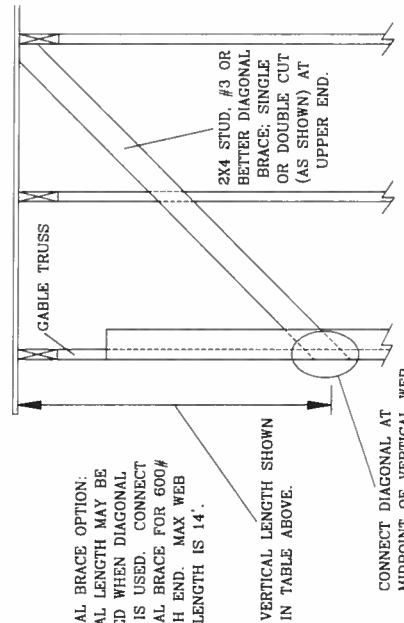
THIS DRAWING REPLACES DRAWING 579,640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRLCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

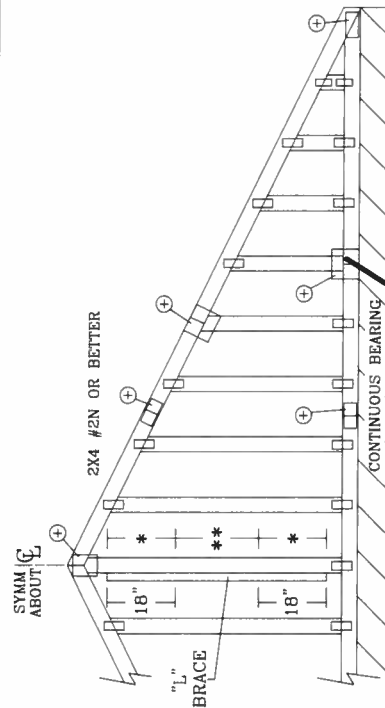
2X4 GABLE VERTICAL SPACING SPECIES		BRACE		NO BRACES	(1) 1X4 "L" BRACE •				(1) 2X4 "L" BRACE •				(2) 2X4 "L" BRACE ••				(1) 2X6 "L" BRACE •				(2) 2X6 "L" BRACE ••					
		GRADE	BRACE		GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP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

MAX GABLE VERTICAL LENGTH

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 600#
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.



CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

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IMPORTANT: FURNISH COPY OF THIS DESIGN/INSTALLATION CONTRACTOR ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE BUILDING OR TRUSSES, DESIGN CONFORMS WITH TPI OR APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC. BRACING OF TRUSSES. IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI OR APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC. (BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA C/W/H/S/K ASTM A575 GRADE, 40/60 C/W/H/S/K GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS FOLLOWED BY (3) SHALL BE IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SHALL BE A PART OF THIS DRAWING. INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN AND USE OF THIS COMPONENT FOR THE BUILDING 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.
POMPANO BEACH, FLORIDA

RACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE--PINE--FIR		HEM--FIR	
#1 /	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

DOUGLAS FIR-LARCH

#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE

2#	2#
1#	1#

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, OF 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
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

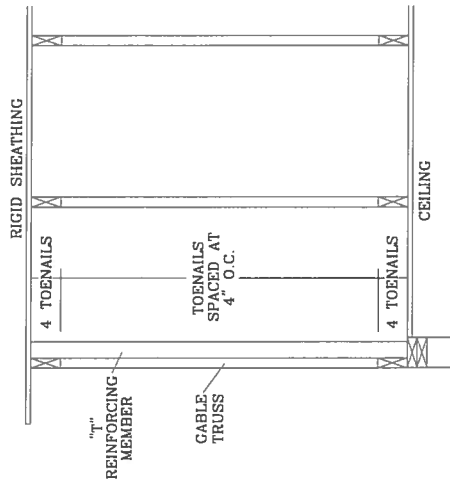
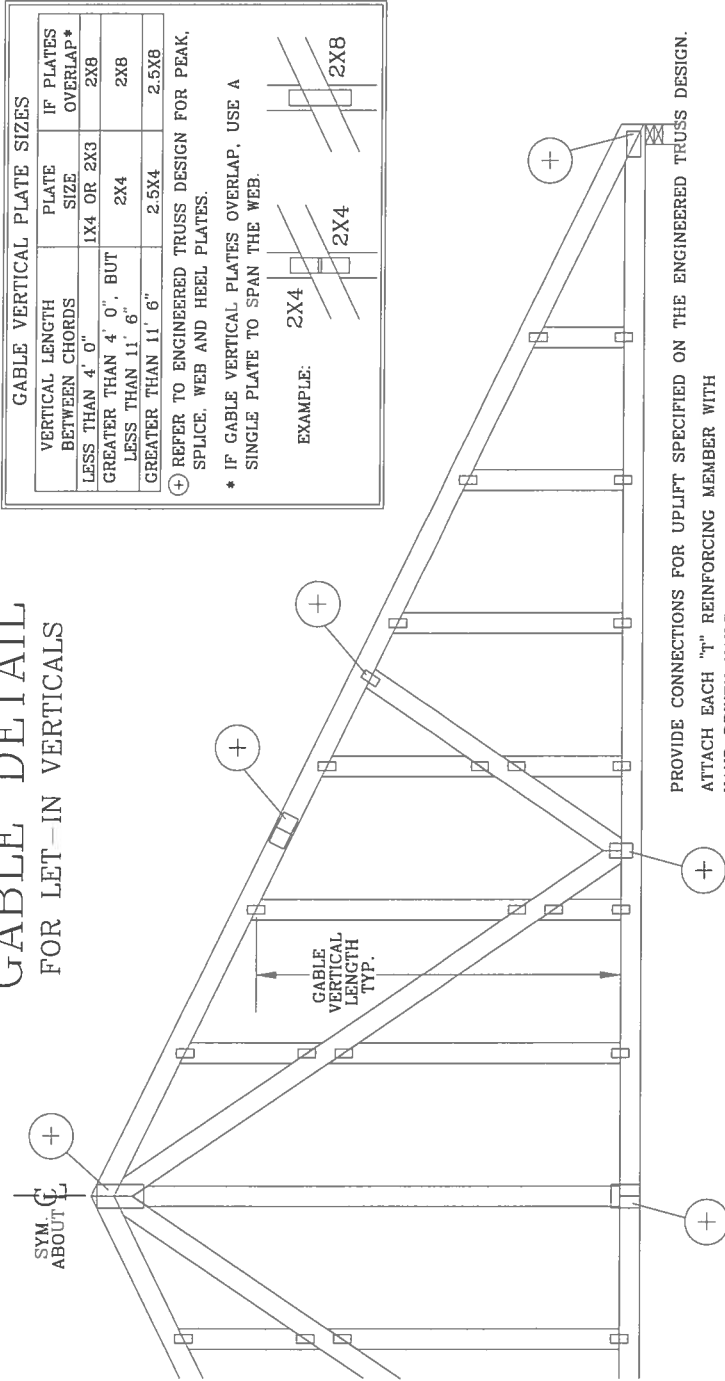
GABLE DETAIL FOR LET-IN VERTICALS

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

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

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

EXAMPLE: 2X4 2X8



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:

10d COMMON (0.148" X 3.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A1015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08015EC1103

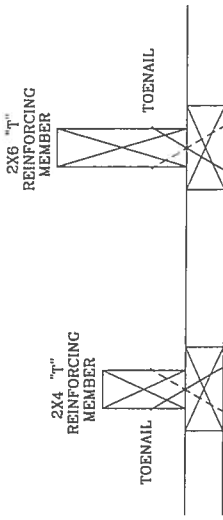
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08030EC1103

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08015EE0405,

A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08030EE0405

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



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

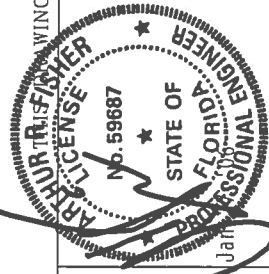
EXAMPLE:

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

WING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLETTN0405
-ENG	DLJ/KAR

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDRIOD DR., SUITE 200, MADISON, WI 53719) AND VTCA (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.

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