

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:1SRF487-Z0419085858

Truss Fabricator: Anderson Truss Company
Job Identification: 5-447-GARY JOHNSON - LAW
Truss Count: 37
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(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: CNBRGBLK-TCFILLER-BCFILLER-BRCLBSUB

Seal Date: 10/19/2005

-Truss Design Engineer-
Arthur R. Fisher

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

#	Ref	Description	Drawing#	Date
1	20344--A1		05291037	10/18/05
2	20345--A2		05291038	10/18/05
3	20346--A3		05291039	10/18/05
4	20347--A4		05291040	10/18/05
5	20348--A5		05291041	10/18/05
6	20349--A6		05291042	10/18/05
7	20350--A7		05291043	10/18/05
8	20351--A8		05291044	10/18/05
9	20352--A9		05291045	10/18/05
10	20353--A10		05291046	10/18/05
11	20354--A11		05291047	10/18/05
12	20355--A12		05291048	10/18/05
13	20356--A13		05291049	10/18/05
14	20357--A14		05291050	10/18/05
15	20358--A15		05291051	10/18/05
16	20359--B1		05291052	10/18/05
17	20360--B2		05291053	10/18/05
18	20361--B3		05291054	10/18/05
19	20362--B4		05291055	10/18/05
20	20363--B5		05291056	10/18/05
21	20364--B6G		05291073	10/18/05
22	20365--B7		05291057	10/18/05
23	20366--B8		05291058	10/18/05
24	20367--B9		05291059	10/18/05
25	20368--C1		05291060	10/18/05
26	20369--C2		05291061	10/18/05
27	20370--C3		05291062	10/18/05
28	20371--C4		05291063	10/18/05
29	20372--C5G		05291072	10/18/05
30	20373--MBG		05291071	10/18/05
31	20374--HJ7		05291064	10/18/05
32	20375--EJ7		05291065	10/18/05
33	20376--J5		05291066	10/18/05
34	20377--J3		05291067	10/18/05
35	20378--J1		05291068	10/18/05
36	20379--AP1		05291069	10/18/05

#	Ref	Description	Drawing#	Date
37	20380--AP2		05291070	10/18/05



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: ISRF487-Z0419085858

Truss Fabricator: Anderson Truss Company
Job Identification: 5-447-GARY JOHNSON - LAW (5-447|-GARY JOHNSON - LAW)
Truss Count: 1
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(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

Seal Date: 10/19/2005

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	20379--AP1		05291069	10/18/05





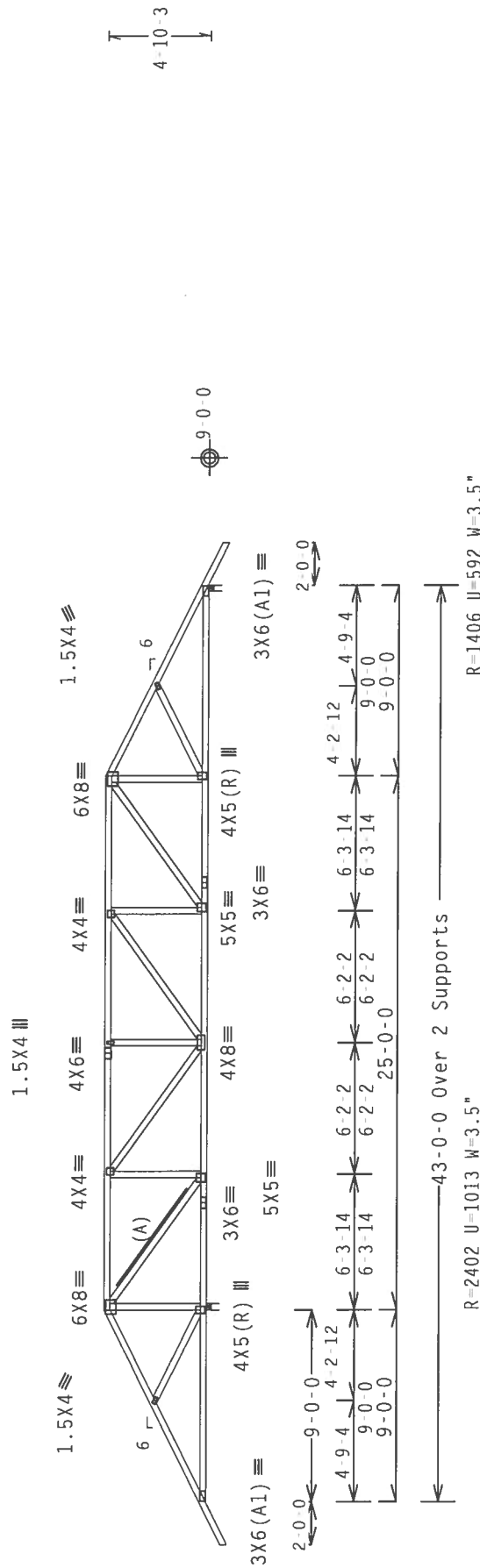
Alpine Engineered Products, Inc.
 1950 Marney Drive
 Haines City, FL 33844
 FL Certificate of Authorization # 567

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

110 mph wind, 11.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

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



R=1406 U=592 W=3.5"

R=2402 U=1013 W=3.5"

Design Crit: TPI-2002(STD)/FBC

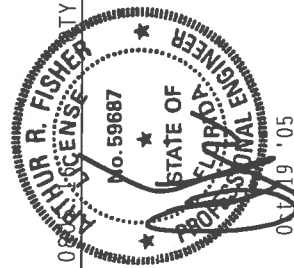
$$Cq/RT=1.00(1.25)/10(0)$$

PROPERTY: 1 E11-131-1-1R/-

Scale = 125"/Ft

WARNING: THESES ABOVE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST AVAILABLE INFORMATION, FURNISHED BY THE TRUSS PLATE INSTITUTE, 503 DOWNSIDE DRIVE, SUITE 200, MADISON, WI 53719, AND THE AMERICAN WOOD PRESERVATION SOCIETY, 1000 N. MICHIGAN, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, THESES 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, ALDINE ENGINEERS INC., SUCH THAT THEY ARE 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 SHALL BE AT THE RISK OF THE CLIENTS. THE CLIENTS MUST BE ADVISED THAT THE TRUSS WILL NOT CONFORM WITH APPLICABLE PROVISIONS OF MOD (NATIONAL DESIGN SPEC. BY AISC) AND TP1. THE CLIENTS MUST BE ADVISED THAT THE TRUSS WILL NOT CONFORM WITH APPLICABLE PROVISIONS OF AISC 88 (DESIGN GUIDE FOR TRUSS BRACED JOINTS), AISC 90 (DESIGN GUIDE FOR TRUSS MEMBERS), AISC 91 (DESIGN GUIDE FOR TRUSS CHORDS), AISC 92 (DESIGN GUIDE FOR TRUSS BRACES), AISC 93 (DESIGN GUIDE FOR TRUSS CONNECTIONS), AISC 94 (DESIGN GUIDE FOR TRUSS BRACING), AISC 95 (DESIGN GUIDE FOR TRUSS BRACING), AISC 96 (DESIGN GUIDE FOR TRUSS BRACING), AISC 97 (DESIGN GUIDE FOR TRUSS BRACING), AISC 98 (DESIGN GUIDE FOR TRUSS BRACING), AISC 99 (DESIGN GUIDE FOR TRUSS BRACING), AISC 100 (DESIGN GUIDE FOR TRUSS BRACING), AISC 101 (DESIGN GUIDE FOR TRUSS BRACING), AISC 102 (DESIGN GUIDE FOR TRUSS BRACING), AISC 103 (DESIGN GUIDE FOR TRUSS BRACING), AISC 104 (DESIGN GUIDE FOR TRUSS BRACING), AISC 105 (DESIGN GUIDE FOR TRUSS BRACING), AISC 106 (DESIGN GUIDE FOR TRUSS BRACING), AISC 107 (DESIGN GUIDE FOR TRUSS BRACING), AISC 108 (DESIGN GUIDE FOR TRUSS BRACING), AISC 109 (DESIGN GUIDE FOR TRUSS BRACING), AISC 110 (DESIGN GUIDE FOR TRUSS BRACING), AISC 111 (DESIGN GUIDE FOR TRUSS BRACING), AISC 112 (DESIGN GUIDE FOR TRUSS BRACING), AISC 113 (DESIGN GUIDE FOR TRUSS BRACING), AISC 114 (DESIGN GUIDE FOR TRUSS BRACING), AISC 115 (DESIGN GUIDE FOR TRUSS BRACING), AISC 116 (DESIGN GUIDE FOR TRUSS BRACING), AISC 117 (DESIGN GUIDE FOR TRUSS BRACING), AISC 118 (DESIGN GUIDE FOR TRUSS BRACING), AISC 119 (DESIGN GUIDE FOR TRUSS BRACING), AISC 120 (DESIGN GUIDE FOR TRUSS BRACING), AISC 121 (DESIGN GUIDE FOR TRUSS BRACING), AISC 122 (DESIGN GUIDE FOR TRUSS BRACING), AISC 123 (DESIGN GUIDE FOR TRUSS BRACING), AISC 124 (DESIGN GUIDE FOR TRUSS BRACING), AISC 125 (DESIGN GUIDE FOR TRUSS BRACING), AISC 126 (DESIGN GUIDE FOR TRUSS BRACING), AISC 127 (DESIGN GUIDE FOR TRUSS BRACING), AISC 128 (DESIGN GUIDE FOR TRUSS BRACING), AISC 129 (DESIGN GUIDE FOR TRUSS BRACING), AISC 130 (DESIGN GUIDE FOR TRUSS BRACING), AISC 131 (DESIGN GUIDE FOR TRUSS BRACING), AISC 132 (DESIGN GUIDE FOR TRUSS BRACING), AISC 133 (DESIGN GUIDE FOR TRUSS BRACING), AISC 134 (DESIGN GUIDE FOR TRUSS BRACING), AISC 135 (DESIGN GUIDE FOR TRUSS BRACING), AISC 136 (DESIGN GUIDE FOR TRUSS BRACING), AISC 137 (DESIGN GUIDE FOR TRUSS BRACING), AISC 138 (DESIGN GUIDE FOR TRUSS BRACING), AISC 139 (DESIGN GUIDE FOR TRUSS BRACING), AISC 140 (DESIGN GUIDE FOR TRUSS BRACING), AISC 141 (DESIGN GUIDE FOR TRUSS BRACING), AISC 142 (DESIGN GUIDE FOR TRUSS BRACING), AISC 143 (DESIGN GUIDE FOR TRUSS BRACING), AISC 144 (DESIGN GUIDE FOR TRUSS BRACING), AISC 145 (DESIGN GUIDE FOR TRUSS BRACING), AISC 146 (DESIGN GUIDE FOR TRUSS BRACING), AISC 147 (DESIGN GUIDE FOR TRUSS BRACING), AISC 148 (DESIGN GUIDE FOR TRUSS BRACING), AISC 149 (DESIGN GUIDE FOR TRUSS BRACING), AISC 150 (DESIGN GUIDE FOR TRUSS BRACING), AISC 151 (DESIGN GUIDE FOR TRUSS BRACING), AISC 152 (DESIGN GUIDE FOR TRUSS BRACING), AISC 153 (DESIGN GUIDE FOR TRUSS BRACING), AISC 154 (DESIGN GUIDE FOR TRUSS BRACING), AISC 155 (DESIGN GUIDE FOR TRUSS BRACING), AISC 156 (DESIGN GUIDE FOR TRUSS BRACING), AISC 157 (DESIGN GUIDE FOR TRUSS BRACING), AISC 158 (DESIGN GUIDE FOR TRUSS BRACING), AISC 159 (DESIGN GUIDE FOR TRUSS BRACING), AISC 160 (DESIGN GUIDE FOR TRUSS BRACING), AISC 161 (DESIGN GUIDE FOR TRUSS BRACING), AISC 162 (DESIGN GUIDE FOR TRUSS BRACING), AISC 163 (DESIGN GUIDE FOR TRUSS BRACING), AISC 164 (DESIGN GUIDE FOR TRUSS BRACING), AISC 165 (DESIGN GUIDE FOR TRUSS BRACING), AISC 166 (DESIGN GUIDE FOR TRUSS BRACING), AISC 167 (DESIGN GUIDE FOR TRUSS BRACING), AISC 168 (DESIGN GUIDE FOR TRUSS BRACING), AISC 169 (DESIGN GUIDE FOR TRUSS BRACING), AISC 170 (DESIGN GUIDE FOR TRUSS BRACING), AISC 171 (DESIGN GUIDE FOR TRUSS BRACING), AISC 172 (DESIGN GUIDE FOR TRUSS BRACING), AISC 173 (DESIGN GUIDE FOR TRUSS BRACING), AISC 174 (DESIGN GUIDE FOR TRUSS BRACING), AISC 175 (DESIGN GUIDE FOR TRUSS BRACING), AISC 176 (DESIGN GUIDE FOR TRUSS BRACING), AISC 177 (DESIGN GUIDE FOR TRUSS BRACING), AISC 178 (DESIGN GUIDE FOR TRUSS BRACING), AISC 179 (DESIGN GUIDE FOR TRUSS BRACING), AISC 180 (DESIGN GUIDE FOR TRUSS BRACING), AISC 181 (DESIGN GUIDE FOR TRUSS BRACING), AISC 182 (DESIGN GUIDE FOR TRUSS BRACING), AISC 183 (DESIGN GUIDE FOR TRUSS BRACING), AISC 184 (DESIGN GUIDE FOR TRUSS BRACING), AISC 185 (DESIGN GUIDE FOR TRUSS BRACING), AISC 186 (DESIGN GUIDE FOR TRUSS BRACING), AISC 187 (DESIGN GUIDE FOR TRUSS BRACING), AISC 188 (DESIGN GUIDE FOR TRUSS BRACING), AISC 189 (DESIGN GUIDE FOR TRUSS BRACING), AISC 190 (DESIGN GUIDE FOR TRUSS BRACING), AISC 191 (DESIGN GUIDE FOR TRUSS BRACING), AISC 192 (DESIGN GUIDE FOR TRUSS BRACING), AISC 193 (DESIGN GUIDE FOR TRUSS BRACING), AISC 194 (DESIGN GUIDE FOR TRUSS BRACING), AISC 195 (DESIGN GUIDE FOR TRUSS BRACING), AISC 196 (DESIGN GUIDE FOR TRUSS BRACING), AISC 197 (DESIGN GUIDE FOR TRUSS BRACING), AISC 198 (DESIGN GUIDE FOR TRUSS BRACING), AISC 199 (DESIGN GUIDE FOR TRUSS BRACING), AISC 200 (DESIGN GUIDE FOR TRUSS BRACING).



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

FL Certificate of Authorization # 567
Haines City, FL 33844

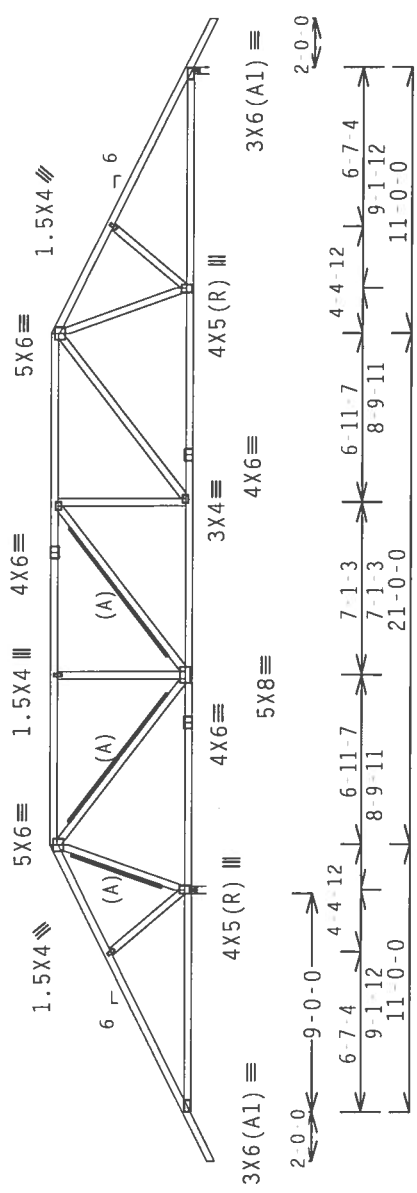
110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

3X4 ≡



R-2413 U=1016 W=3.5"
43'-0-0 Over 2 Supports
R=1396 U=955 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04

PLT TYP. Wave  Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	Design Crit: TPI-2002(SID)/FBC Cq/RT=1.00(1.25)10(0) 7.04.00 Scale = .125" / Ft.									
	WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DETAIL 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 593 MADISON, SUITE 200, MADISON, WI 53719, AND MICA (GOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE BL., MADISON, WI 53719) FOR TRUSS BRACING REQUIREMENTS. IF BRACING IS NOT SHOWN, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.									
	IMPORTANT *T*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 NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (.4-11/5/5/K) ASTM A653 GRADE 40/60 (M + K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE ALLOWED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIAH A3 OF TPI1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.									
	No. 59887 STATE OF FLORIDA PROFESSIONAL ENGINEER OCT 19 '05									
	PROPERTY: 1									
	TC LL	20.0 PSF	FL / - 3 / - / R / -	REF	R487 --	20346				
	TC DL	10.0 PSF		DATE	10/18/05					
	BC DL	10.0 PSF		DRW	HCUSR487	05291039				
	BC LL	0.0 PSF		HC-ENG	DF/AF					
	TOT.LD.	40.0 PSF		SEQN	46644					
DUR.FAC.	1.25									
SPACING	24.0"		JREF	1SRF487_Z04						

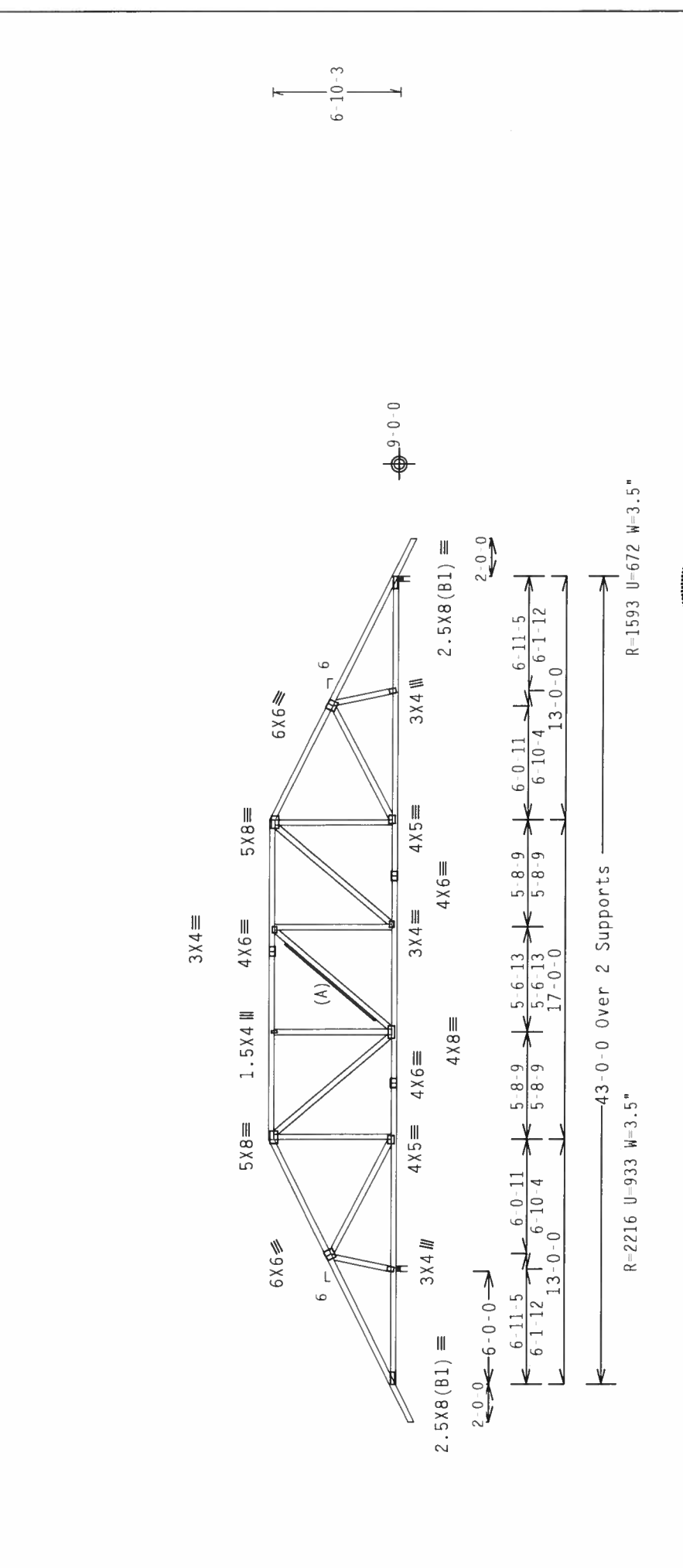
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 12.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R487--	20347
TC DL	10.0 PSF	DATE	10/18/05	
BC DL	10.0 PSF	DRW	HCUSR487	05291040
BC LL	0.0 PSF	HC-ENG	DF/AF	
TOT.LD.	40.0 PSF	SEON-	46485	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SRF487	Z04

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 BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

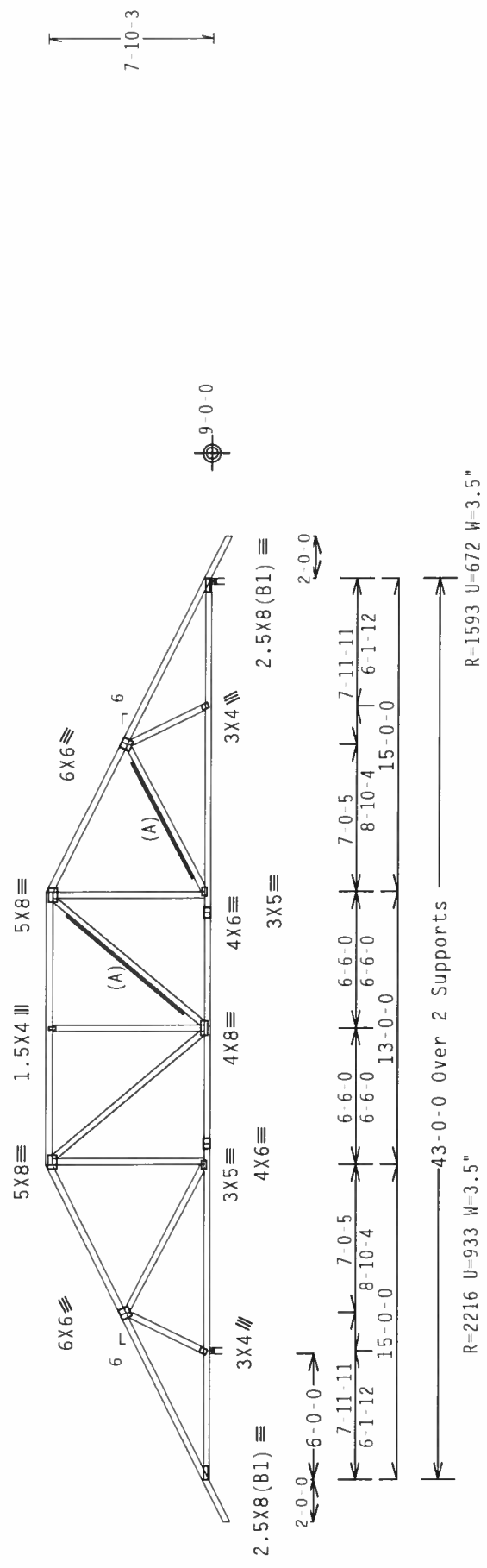
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTIONS ARE MADE OF 2018/18/18GA (0.0175") ASTM A653 GRADE 40/40 (0.0175") GALV. STEEL. APPLY 8D BOX OR GUN NAILS @ 6" OC. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENTS DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

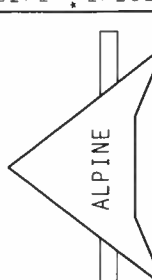
RATNAP R. FISHER
LICENSE
No. 59687
STATE OF
FLORIDA
REGISTERED PROFESSIONAL ENGINEER
OCT 1995

110 mph wind, 12.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



PLT TYP. Wave	 Alpine Engineered Products, Inc. 1950 Narey Drive Haines City, FL 33844	Design Crit: TPI-2002(STD)/FBC Cq/RT= 1.00(1.25)/10(0) 7.04.08	Scale = .125" / Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE FOLLOWING COMPONENT INFORMATION, FURNISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ONOFIO RD., SUITE 200, WILMINGTON, MA 01897, IS TO BE USED IN CONJUNCTION WITH THE TPI-2002(STD) SPECIFICATION, 100 MADISON, W. 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 MDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI-1. ALPINE TRUSSES ARE TO BE USED IN CONJUNCTION WITH THE TPI-2002(STD) SPECIFICATION, 100 MADISON, W. 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.	PROPERTY: 1 FL/-/3/-/-R/-
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI- OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI-1. ALPINE TRUSSES ARE TO BE USED IN CONJUNCTION WITH THE TPI-2002(STD) SPECIFICATION, 100 MADISON, W. 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 TC DL 10.0 PSF BC DL 10.0 PSF BC LL 0.0 PSF TOT.L.D. 40.0 PSF DUR.FAC. 1.25 SPACING 24.0"	REF R487 - 20348 DATE 10/18/05 DRW HCUSR487 05291041 HC-ENG DF/AF SEQN - 46504 JREF 1SRF487 Z04

Top chord	2x4	SP #2	Dense
Bot chord	2x4	SP #2	Dense
	Webs	2x4	SP #3 :W10 2x6 SP #2:
	Filler	2x4	SP #3

110 mph wind, 13.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

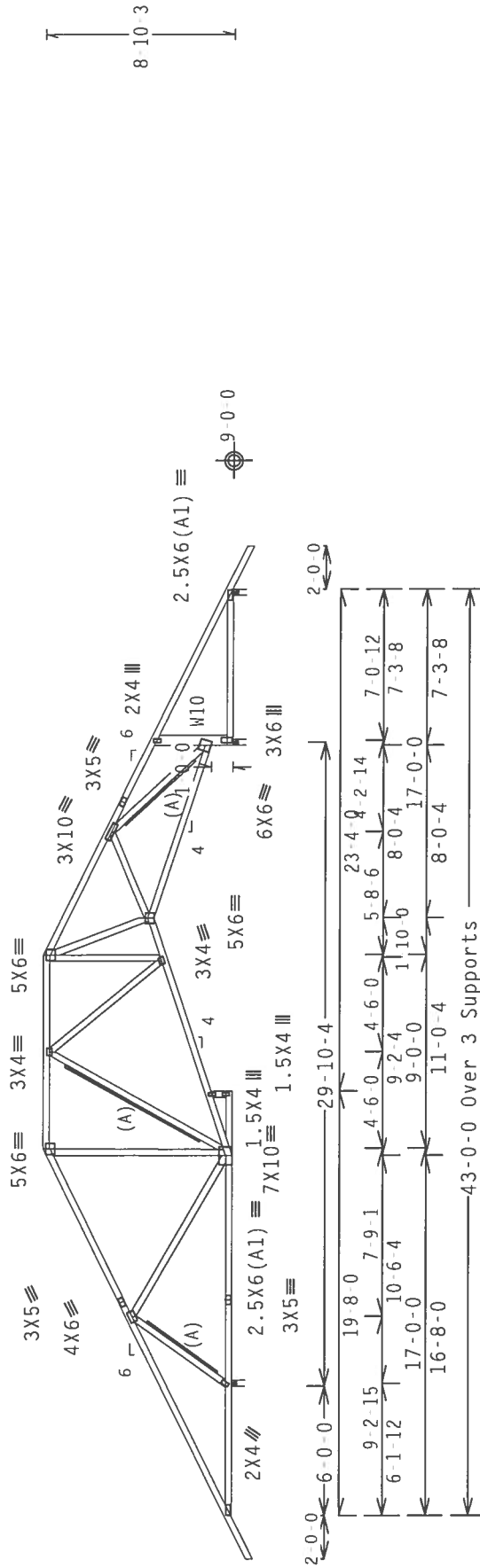
See DWGS TCFILLER1103 and BCFILLER1103 for filler details.

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

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C.,
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=1939 U-777 W=3.5"

R=1472 II=582 W=35"

 $R=415 \quad H=205 \quad W=35$

Design Crit: TPI-2002(STD)/FBC

$$C\alpha/RT=1.00(1.25)/10(0)$$

Scale = .125"/Ft.

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

087H...CENSE

7

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

—
—
= —
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—

PLT TYP. Wave

*WARNING: BRUSSELS REQUIRES EXTREME CARE IN PARTICIPATION. HARD LINE. SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1.03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE UNITED STATES OF AMERICA. 383 C. D'ORFORD DR., SUITE 200, MADISON, WI 53719. AND WFA, MADISON TRUSS COUNCIL OF AMERICA. 1000 W. WASHINGTON ST., SUITE 200, MADISON, WI 53719. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, SHALL HAVE A PROPERLY ATTACHED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD. SEE FIG. 1.

****IMPORTANT**** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TYPE I OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFLICTS WITH APPLICABLE PROVISIONS OF MOST (NATIONAL SPEC. BY ASTM) AND TYPE II (ALPINE SPEC.) DRAWINGS WILL BE AT YOUR RISK. ALL TRUSSES MUST BE INSTALLED IN ACCORDANCE WITH THE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWING 100A-2. AN APPLICATION OF PLATE FOLLOWED BY (1) SHALL BE PER ANHLS A3 OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SILENTLY FOR THE TRUSS COMPONENT MANUFACTURER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. SEE DRAWING SPEC.

TC LL	20.0	PSF	REF	R487 -	20349
TC DL	10.0	PSF	DATE	10/18/05	
BC DL	10.0	PSF	DRW	HCUSR487	0529104
BC LL	0.0	PSF	HC-ENG	DF /AF	
TOT.LD.	40.0	PSF	SEQN -	46629	
DUR.FAC.	1.25				

No. 79687
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 Oct 9 05

ENGINEERED TO
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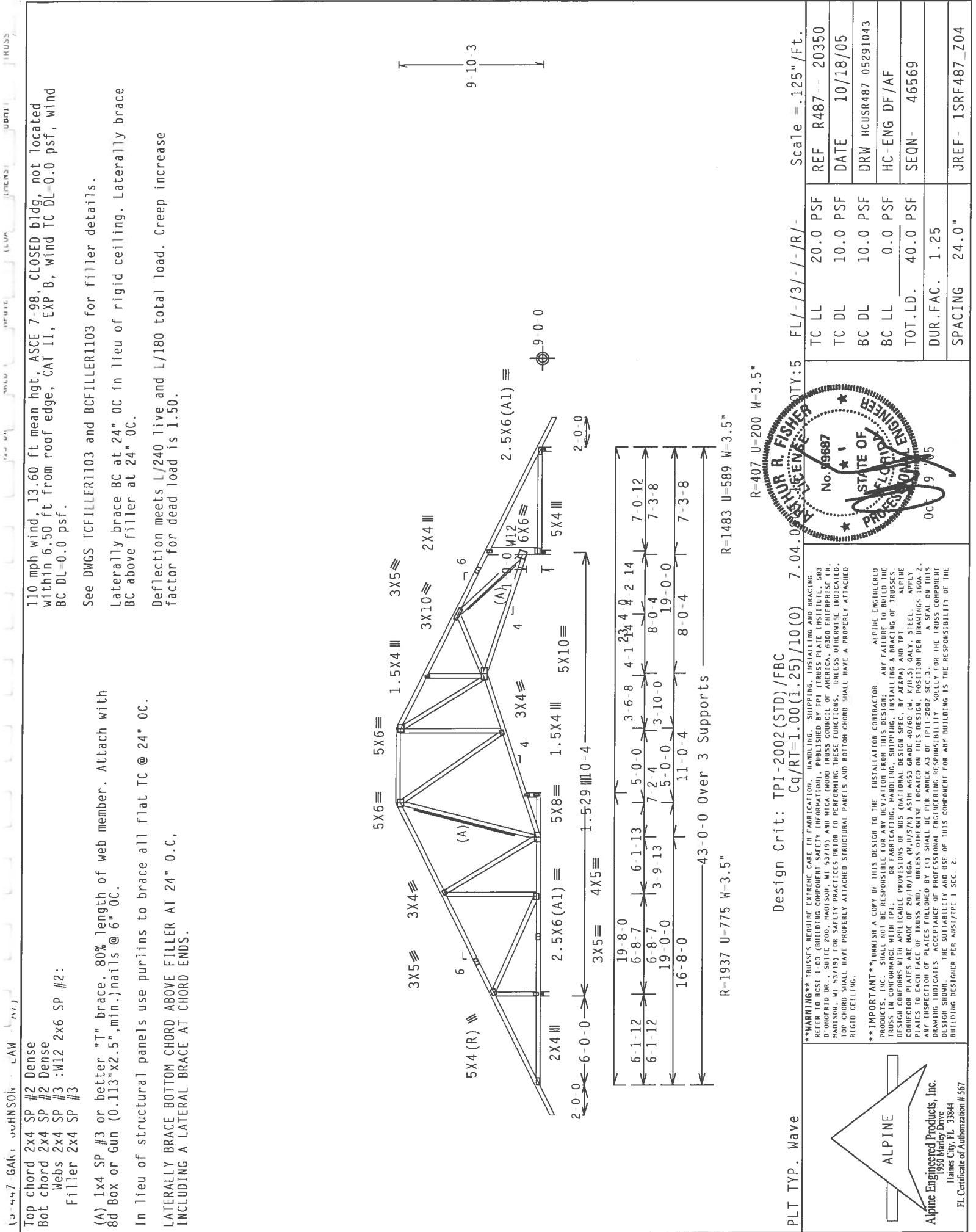
LOW HANDLING, SHIPPING, INSTALLATION, PUBLISHED BY THE TRUSS PRACTICE (WOOD TRUSS COUNCIL OF AMERICA, 63000 FORMING THESE FUNCTIONS. UNLESS OTHERS AND BOTTOM CHORD SHALL HAVE A PROPER INSTALLATION CONTRACTOR. ANY FAILURE HANDLING, SHIPPING, INSTALLING & BRACING THE DESIGN SPEC. BY K/J/H-S GALV. S M A653 GRADE 40/60 (W. K/J/H-S) GALV. S LOCATED ON THIS DESIGN, POSITION PER D AMBLER AS OF 11/11/2002 SEC. 3. RESPONSIBILITY FOR THE DESIGN OF THE TRUSS ELEMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN REF. TO BC51 1.03 (BUILDING COMPONENT SAFETY - TRUSS TO BC51 1.03, SUITE 200, MADISON, WI 53719) AND MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR A TRUSS IN CONFORMANCE WITH TPI: OR FABRICA DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF CONNECTION PLATES ARE MADE OF 20/19TIGA (4-H/5) PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHER SPECIFICATION PLATES FOLLOWED (P.1) SHALL BE DRAGGING. THE SUFFICIENCY AND USE OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE
Alpine Engineered Products
 1950 Marley Drive
 Haines City, FL 33830



110 mph wind, 13.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind IC DL-0.0 psf, wind BC DL=0.0 psf.

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W12 2x6 SP #2:
Filler 2x4 SP #3

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C., INCLUDING A LATERAL BRACE AT CHORD ENDS.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.00

Scale = .125"/Ft.

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

REF R487 -- 20350
DATE 10/18/05
DRW HCUSR487 05291043
HC-ENG DF/AF
SEQN 46569
JREF- 1SRF487_Z04

110 mph wind, 13.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind IC DL-0.0 psf, wind BC DL=0.0 psf.

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W12 2x6 SP #2:
Filler 2x4 SP #3

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C., INCLUDING A LATERAL BRACE AT CHORD ENDS.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.00

Scale = .125"/Ft.

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

REF R487 -- 20350
DATE 10/18/05
DRW HCUSR487 05291043
HC-ENG DF/AF
SEQN 46569
JREF- 1SRF487_Z04

110 mph wind, 13.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind IC DL-0.0 psf, wind BC DL=0.0 psf.

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W12 2x6 SP #2:
Filler 2x4 SP #3

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C., INCLUDING A LATERAL BRACE AT CHORD ENDS.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.00

Scale = .125"/Ft.

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

REF R487 -- 20350
DATE 10/18/05
DRW HCUSR487 05291043
HC-ENG DF/AF
SEQN 46569
JREF- 1SRF487_Z04

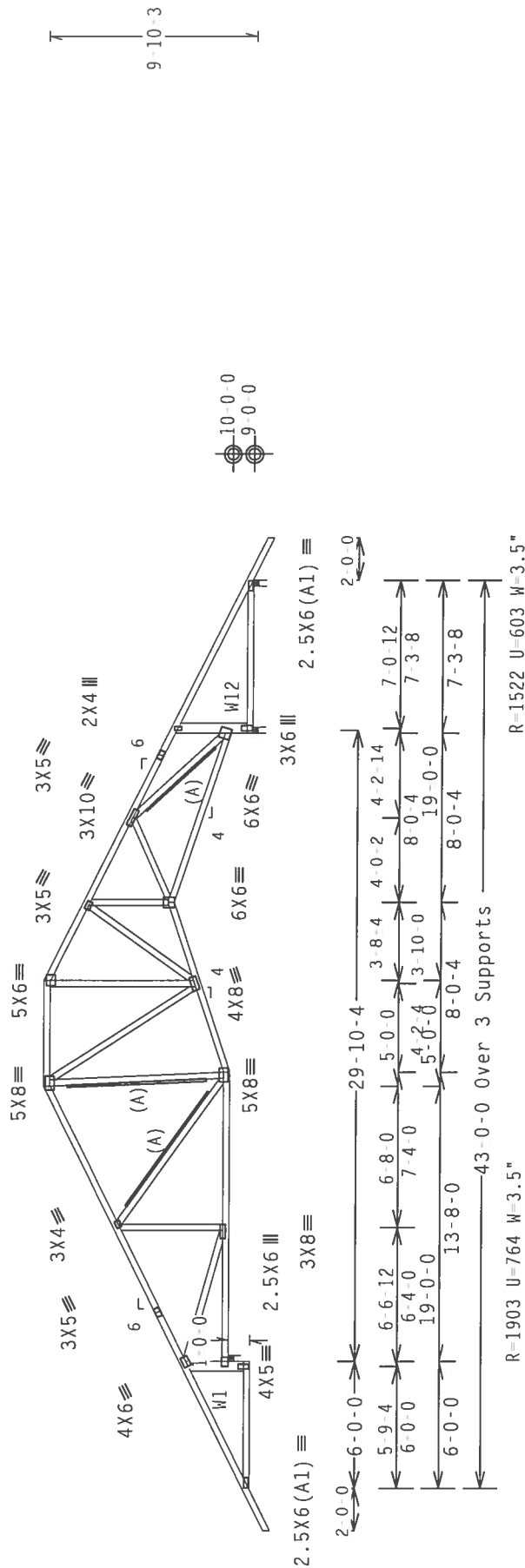
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1, W12 2x6 SP #2:

110 mph wind, 13.60 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Revised July 1994 $W=3.5^H$

Design Crit: TPI-2002(STD)/FBC

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

Scale = .125"/Ft.

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


$$\frac{10(0)}{7} = 7.$$
 $Cq/RT=1.00(1.25)/$ [illegible]

ave

PLT TYP. W

• **WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP3 (TRUSS PULPIT INSTITUTE, 583 D'AMORE RD., SUITE 200, MADISON, WI 53719), AND NCA (NORTH TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

<

IMPORTANT—URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE FABRICATING, HANDLING, SHIPPING, INSTALLING & WELDING OF TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & WELDING OF ALPINE TRUSS IN CONFORMANCE WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. ALL CONNECTOR PLATES ARE MADE OF 20/18/16GA (.015X/5) ASTM A963 GRADE 40/60 (K/H)-5 GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, NOT PER DRAWINGS 16DA. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPII-2002 SEC.3. A SEAL ON THIS ATTACHMENT INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. SEESENDER SHIPMENT FOR MORE INFORMATION.



ALPINE
Engineered Products, Inc.
 1950 Marley Drive

Alpine Engineered Products, Inc.
1950 Marley Drive

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

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

1110 mph wind, 13.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

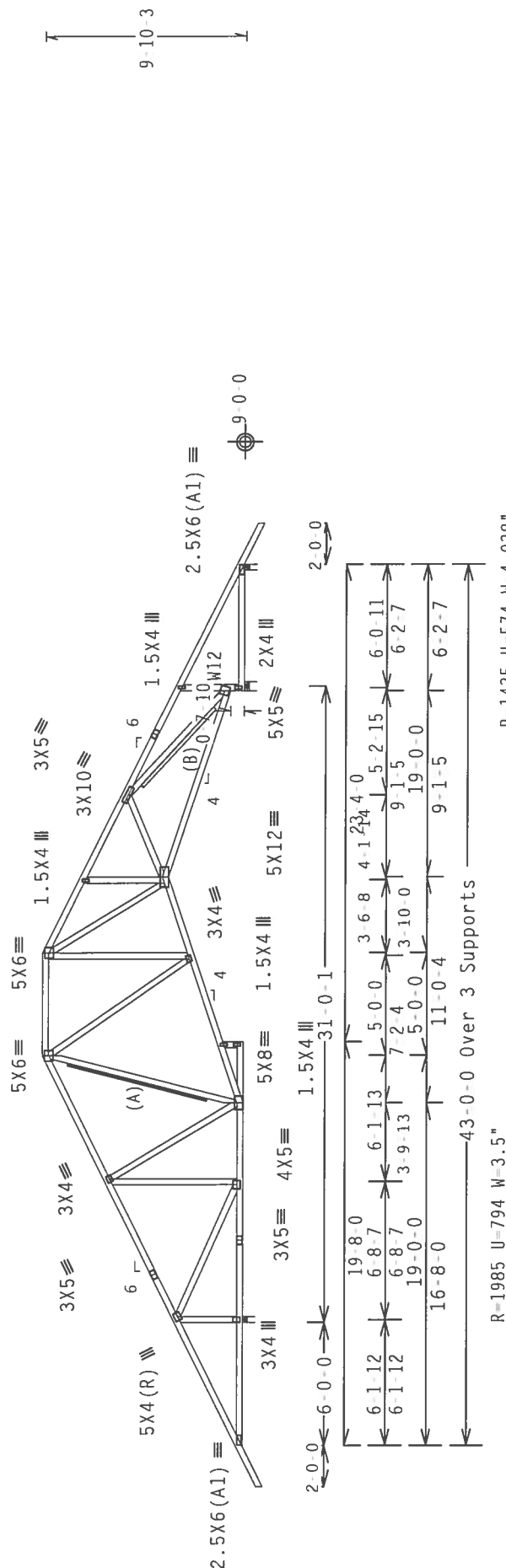
See DWGS TCFILLER1103 and BCFILLER1103 for filler details.

(B) 2x6 SP #3 or better "I" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.) nails @ 6" OC.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C., INCLUDING A LATERAL BRACE AT CHORD ENDS.



R=406 U=196 W=3.5"

R=1435 U=574 W=4.938"

Design Crit: TPI-2002(STD)/FBC

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

Scale = .125"/Ft.

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

WARNING: THESE EXTREME CARE THE FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL INSTITUTE OF CONSTRUCTION EDUCATION, 363 DUDMAN DR., SUITE 200, MADISON, WI 53719, AND NCEA (NATIONAL BUILDING EDUCATION SOCIETY), 6300 CENTER BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANE 5 AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REF R487 - 20352

DATE _____

DRW HCUSR487 05291045

HC-ENG DF/AF

SEON- 46695

DUR.FAC. 1.25

Oct 1975

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PLR DRAWINGS. BOLA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TP11-2002 SEC.3.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.

Alpine Engineered Products, Inc.
1950 Marley Drive

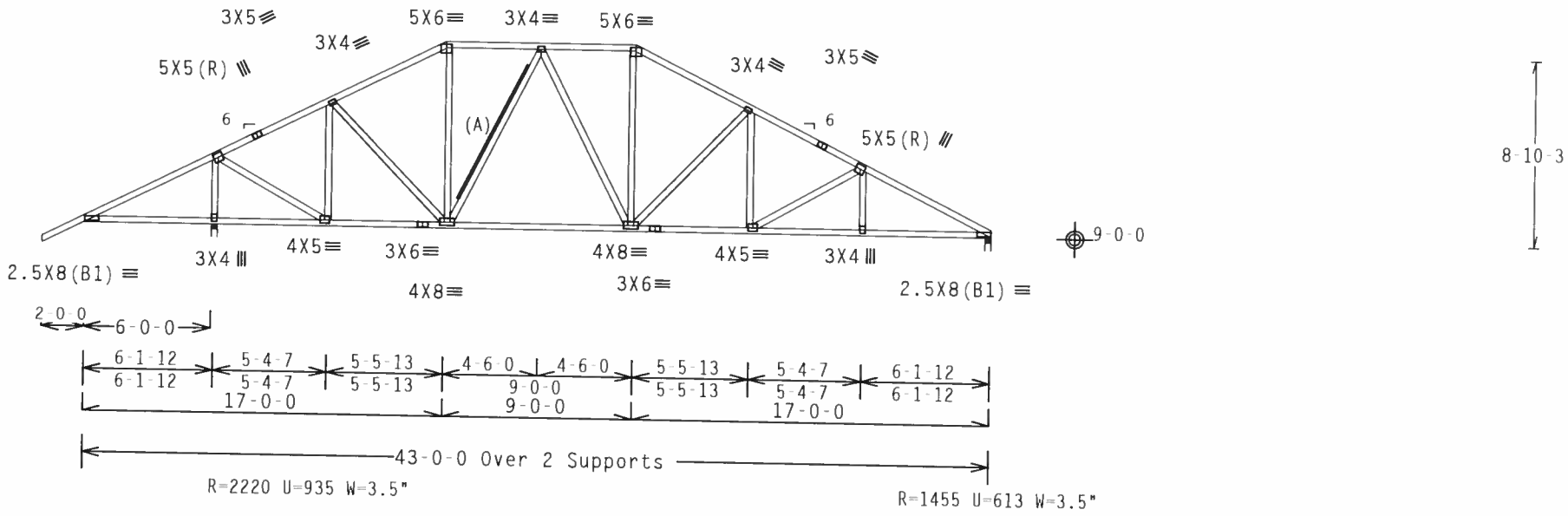
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 13.10 ft mean hgt. ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

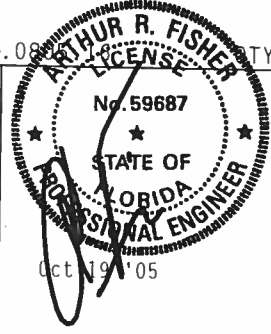


PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

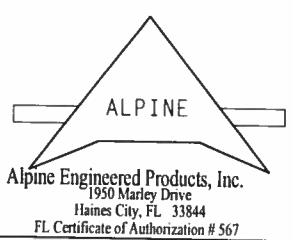
7.04.08



TY:1

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

Scale =.125"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

TC LL	20.0 PSF	REF R487-- 20353
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCUSR487 05291046
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 46529
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SRF487_Z04

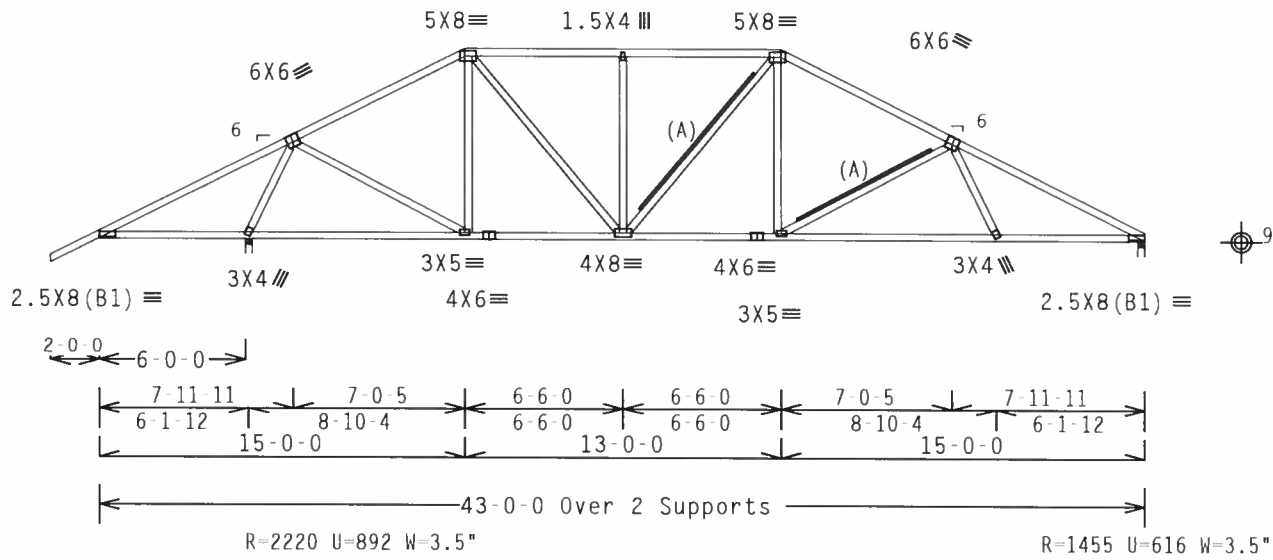
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 12.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

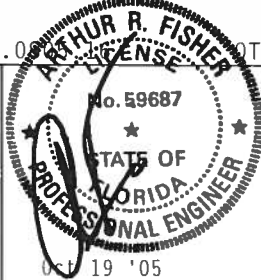


PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

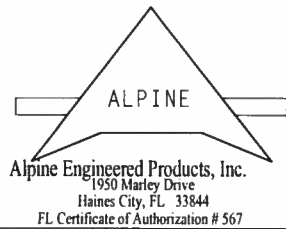
7.04.00



QTY:1

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

Scale =.125"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/R) 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 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF R487-- 20354
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCUSR487 05291047
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 46513
DUR.FAC.	1.25	
SPACING	24.0"	JREF 1SRF487 Z04

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

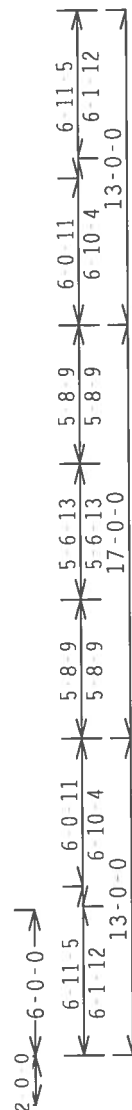
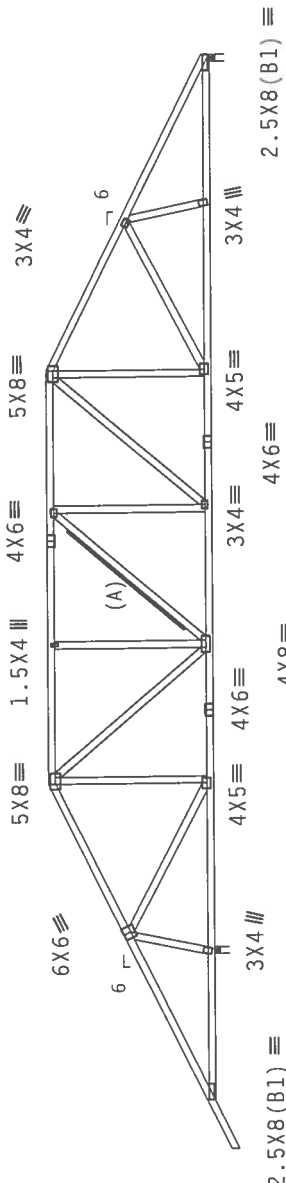
(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

110 mph wind, 12.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

3X4

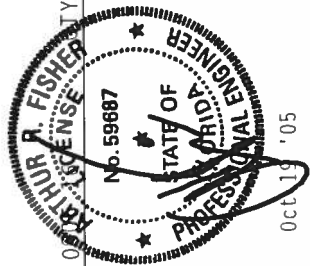


R-2220 U=891 W=3.5" R=1455 U=616 W=3.5"

Design Crit: TPI-2002 (STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

PLT TYP. Wave

Scale = .125"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION) FOR MORE INFORMATION. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 70/18/16GA (W/J/S/K) ASTM A653 GRADE 40/60 (W, K/J/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TADA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/P 3.3 OF TPI 2002 SEC. 3.3. (2) SHALL BE PER AIA/P 3.3 OF TPI 2002 SEC. 3.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SHEET FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/P 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 70/18/16GA (W/J/S/K) ASTM A653 GRADE 40/60 (W, K/J/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TADA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/P 3.3 OF TPI 2002 SEC. 3.3. (2) SHALL BE PER AIA/P 3.3 OF TPI 2002 SEC. 3.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SHEET FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/P 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1950 N. Highway 1
Haines City, FL 33844
FL Certificate of Authorization # 567

TC LL	20.0 PSF	FL/-3/-/-/R/-	REF	R487 --	20355
TC DL	10.0 PSF		DATE	10/18/05	
BC DL	10.0 PSF		DRW	HCUSR487	05291048
BC LL	0.0 PSF		HC-ENG	DF/AF	
TOT.LD.	40.0 PSF		SEQN-	46491	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SRF487_Z04	

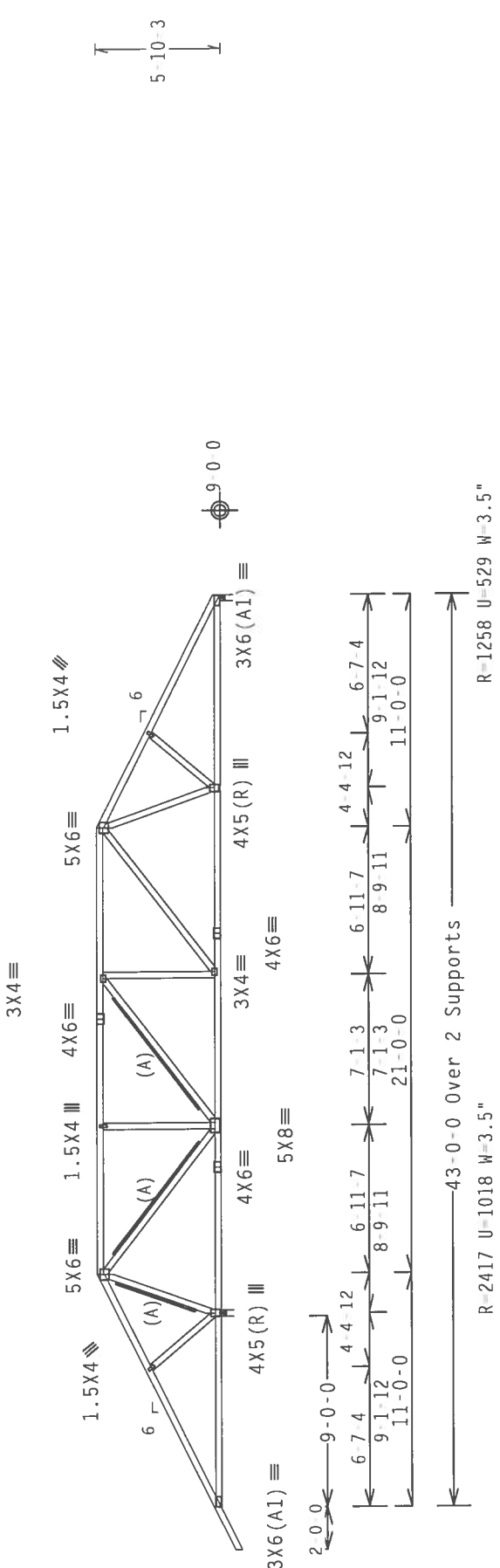
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



PLT TYP. Wave

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

Scale = .125"/Ft.

7.04.08

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

TC LL	20.0 PSF	REF R487-- 20356
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCUSR487 05291049
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 46664
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SRF487_Z04

ALPINE

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

FL Certificate of Authorization # 567

ARTHUR R. FISHER
Professional Engineer
No. 59687
STATE OF FLORIDA
Oct 19 '05

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, CONNECTOR PLATES OR ANY OTHER COMPONENTS OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

110 mph wind, 11.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

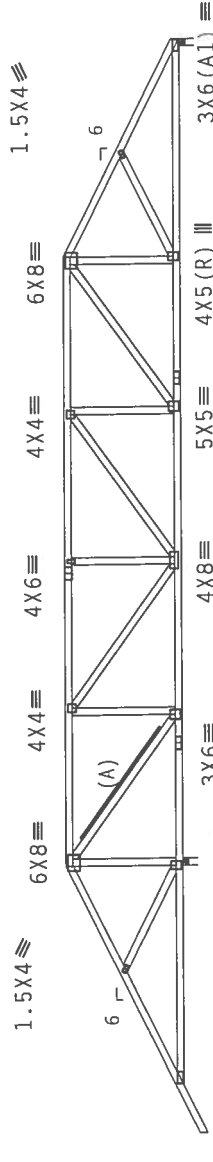
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

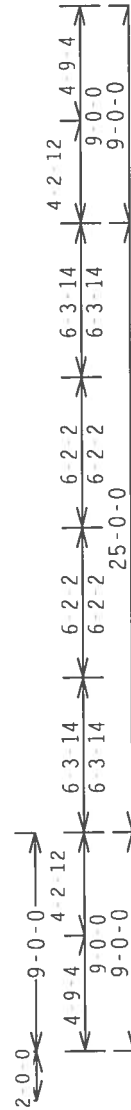
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

1.5X4



4'-10'-3"

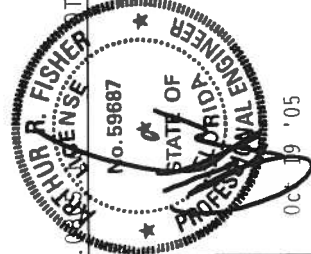
9'-0'-0"



R=2407 U=1016 W=3.5"
43'-0"-0" Over 2 Supports
R=1268 U=534 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04

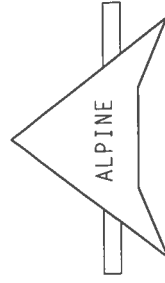
Scale = .125"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC61 1.03 (BUILDING COMPONENT SAFETY INFORMATION). THIS TRUSS IS DESIGNED FOR USE IN A BUILDING WITH A RIGID CEILING. THE TRUSS CHORDS 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 (M-17/5X) 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. TOGA 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 BUILDING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TY:1	FL/-3/-/-R/-	TC LL	20.0 PSF	REF	R487--	20357
		TC DL	10.0 PSF	DATE	10/18/05	
		BC DL	10.0 PSF	DRW	HCUSR487	05291050
		BC LL	0.0 PSF	HC-ENG	DF/AF	
		TOT.LD.	40.0 PSF	SEQN	46655	
		DUR.FAC.	1.25			
		SPACING	24.0"	JREF	1SRF487	Z04



Alpine Engineered Products, Inc.
1050 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 67

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

SPECIAL LOADS

	(LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)			
TC	From	62 PLF at - 2.00 to	62 PLF at 7.00	
TC	From	126 PLF at 7.00 to	126 PLF at 12.00	
TC	From	62 PLF at 12.00 to	62 PLF at 43.00	
BC	From	4 PLF at - 2.00 to	4 PLF at 0.00	
BC	From	20 PLF at 0.00 to	20 PLF at 7.00	
BC	From	44 PLF at 7.00 to	44 PLF at 12.00	
BC	From	20 PLF at 12.00 to	20 PLF at 43.00	
TC	-	182 LB Conc. Load at 7.06		
BC	-	519 LB Conc. Load at 7.00		
BC	-	2316 LB Conc. Load at 11.94		

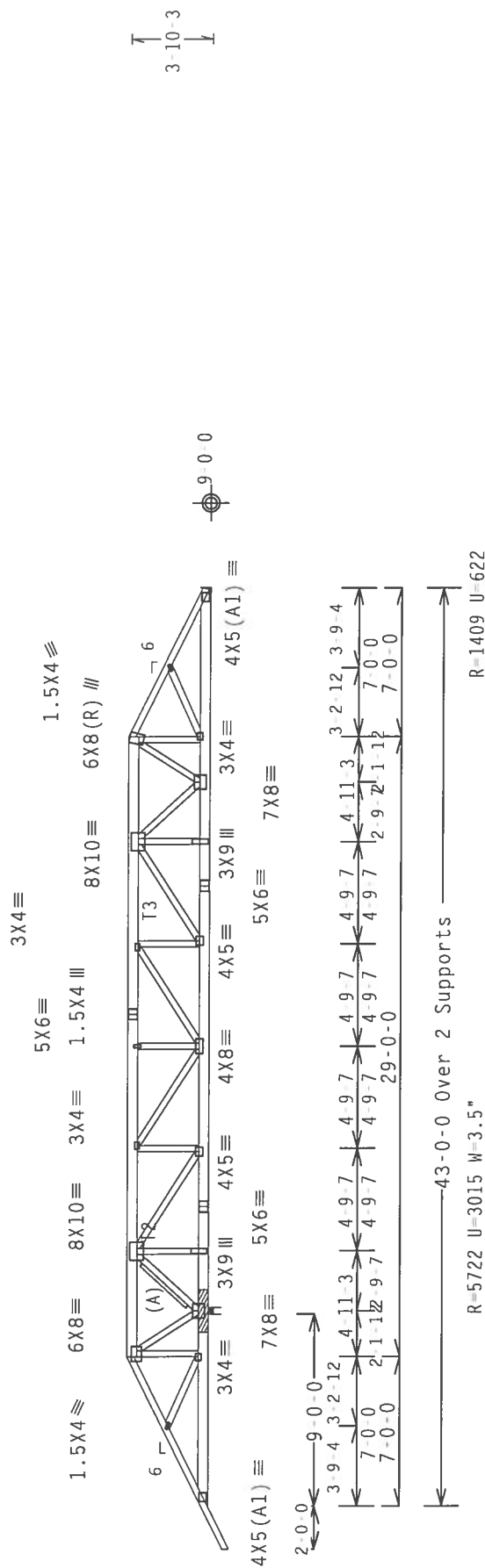
Bearing blocks: Nail type: 10d Common (0.148"x3", min.) nails
BBRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 9,000' 1 24" 22 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

(A) 2x6 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.) nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R=1409 U=622

R=5722 H=3015 W=3.5"

Design Crit: TPI-2002(STD)/FBC

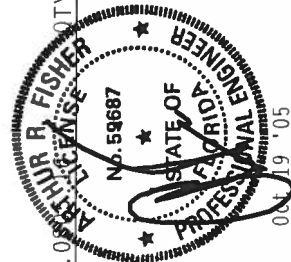
 $Cq/RT=1.00(1.25)/10(0)$

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

Scale = 125"/Ft.

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CHASSIS PLATE INSTITUTE, 363 MADISON RD., SUITE 200, MADISON, WI 53719, AND MCA (MOTOR CARRIER ASSOCIATION), 1500 N. MICHIGAN AVE., SUITE 1000, CHICAGO, IL 60610, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHAINS.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERS & PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI (TPI SPEC. PLATES TO EACH FACE OF TRUSS) AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIG. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3 OF TPI 1-2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND NOT THE DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC (A101) SEC. 1.1.2.



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

JREF- 1SRF487 704

Top chord 2x8 SP SS :I1, T5 2x4 SP #2 Dense:
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W3, W13 2x4 SP #2 Dense

1110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

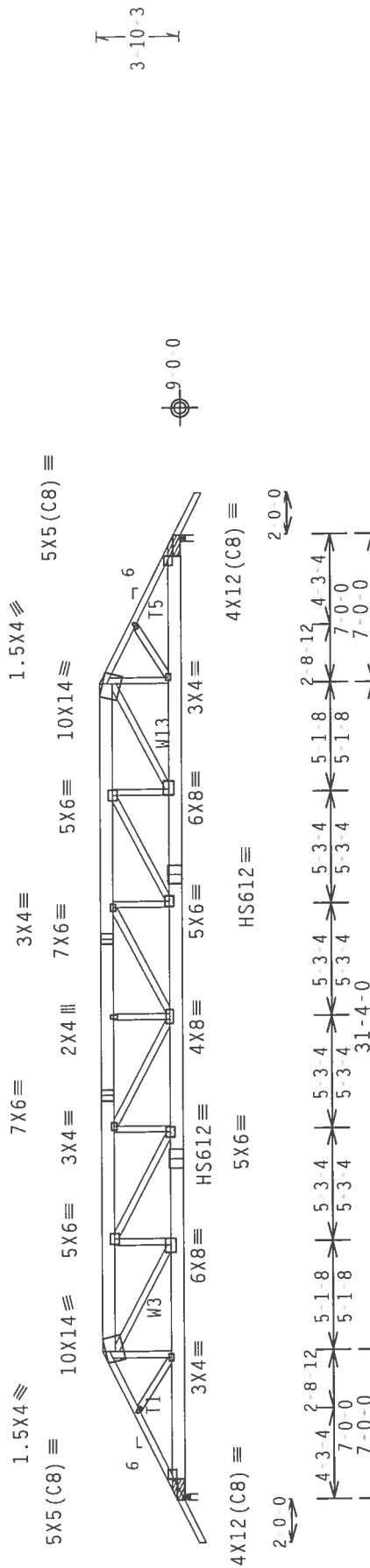
Calculated vertical deflection is 0.69" due to live load and 1.11" due to dead load at X = 22'-8-0".

Bearing blocks: Nail type: 10d Common (0.148"x3", min.) nails
BRG X LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 0.000' 1 12" Match Truss
2 45.042' 1 12" Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

Calculated horizontal deflection is 0.13" due to live load and 0.21" due to dead load.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



-45-4-0 Over 2 Supports

R=3853 U=1618 W=3.5"

$R=3853$ $W=1618$ $W=35$

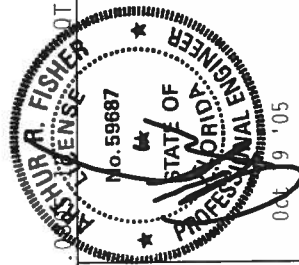
Design Crit: TPI-2002(STD)/FBC

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

QTY:1 FL/-/3/-/-/R/-

Scale = .125"/Ft.

•**WARNING**• THROUSLS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR THROUSLS, PUBLISHED BY IPI (CRUISING PLATE INSTITUTE, 593 WEST 1ST 103 (BUILDING 103), CHICAGO, IL 60601) AND IPIA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN., MADISON, WI 53719) FOR BEST PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED TO BOTTOM CHORD SETTING.

[illegible]

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

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

JREF 1SRF487 Z04

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

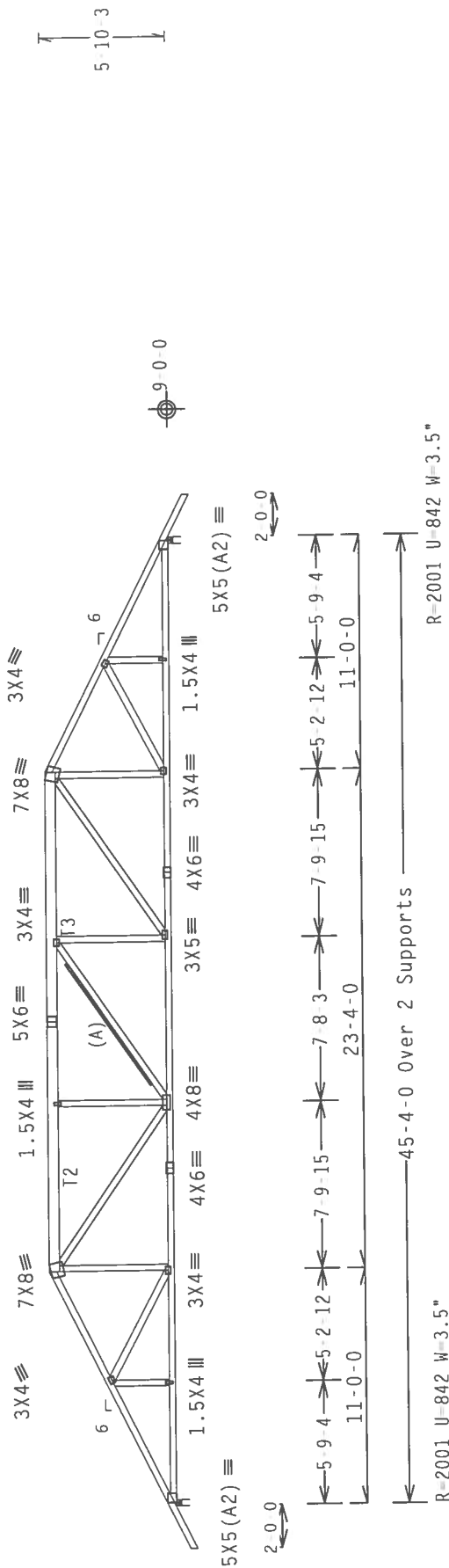
(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

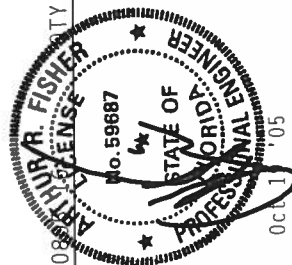
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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

Scale = .125"/Ft.

TC LL	20.0 PSF	REF R487 - - 20361
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCUSR487 05291054
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 45976
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SRF487_Z04



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BESS 1, 103 (BUILDING COMPROMISES) FOR MORE INFORMATION. PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 593 DORR HILL RD., SUITE 100, WILSONVILLE, OR 97152. (503) 261-5271. AND NCA, 1600 TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LN., SUITE 100, WILSONVILLE, OR 97152. (503) 261-5271. FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SIALS HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SIALS HAVE A PROPERLY ATTACHED RIGID CEILING.

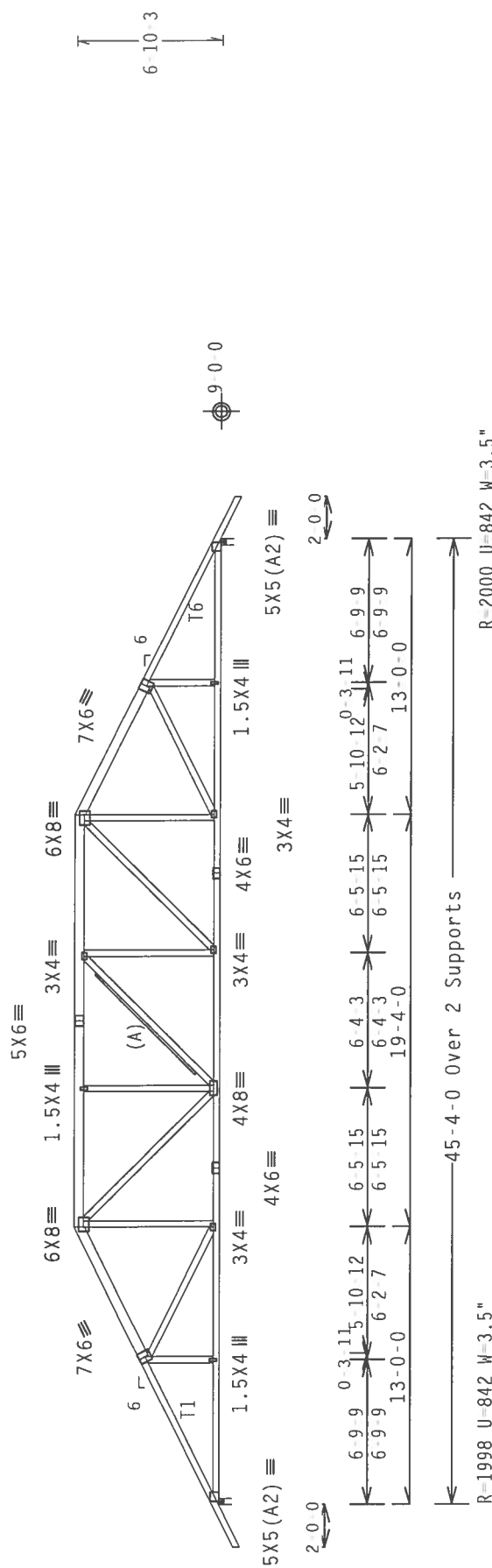
***IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH TP11 OR FABRICATING THE TRUSS TO THE INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH TP11. (NATIONAL DESIGN SPEC. BY AISC) AND TP11. ALPINE CONNECTOR PLATES ARE AVAILABLE IN 170000 PSI (ASTM A575) OR 40500 PSI (ASTM A575) GALV. STEEL. PLATE THICKNESS SHALL BE 1/4" OR THICKER UNLESS OTHERWISE LOCATED IN THE POSITION PER DRAWINGS 160A.2. ACCEPTANCE OF PLATES FOLLOWED BY (1) SHALL BE PER AMBIX 4 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMBIX 1 SEC. 2.



110 mph wind, 12.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

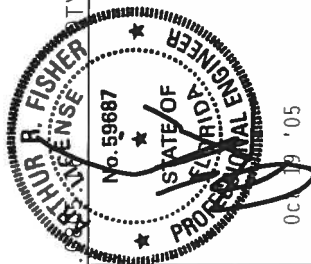
Design Crit: TPI - 2002(STD)/FBC
Ca/RT=1.00(1.25)

$\text{EI} / - / 3 / - / - / \text{R} / -$

TC LL	20.0 PSF	REF R487 -- 20362
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCUR487 05291055
BC LL	0.0 PSF	HC-ENG DF /AF
TOT.LD.	40.0 PSF	SEQN- 45991
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SRF487_Z04

[illegible]

****IMPORTANT****—TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ENGINEER'S PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI: ALUMINUM DESIGN COMPANION SPECIFICATION TO THE AISC NATIONAL DESIGN SPECIFICATION FOR STEEL BUILDINGS. PLATES TO EACH FACE OF TROUSERS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIGOA 2. ANY APPLICATION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI: 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT. THE USE OF THIS CUMMER FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMER A3 OF 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

	Top chord	2x6	SP #2	:T1, T5	2x4	SP #2	Dense:
Bot chord	2x4	SP #2	Dense				
Webbs	2x4	SP #3					

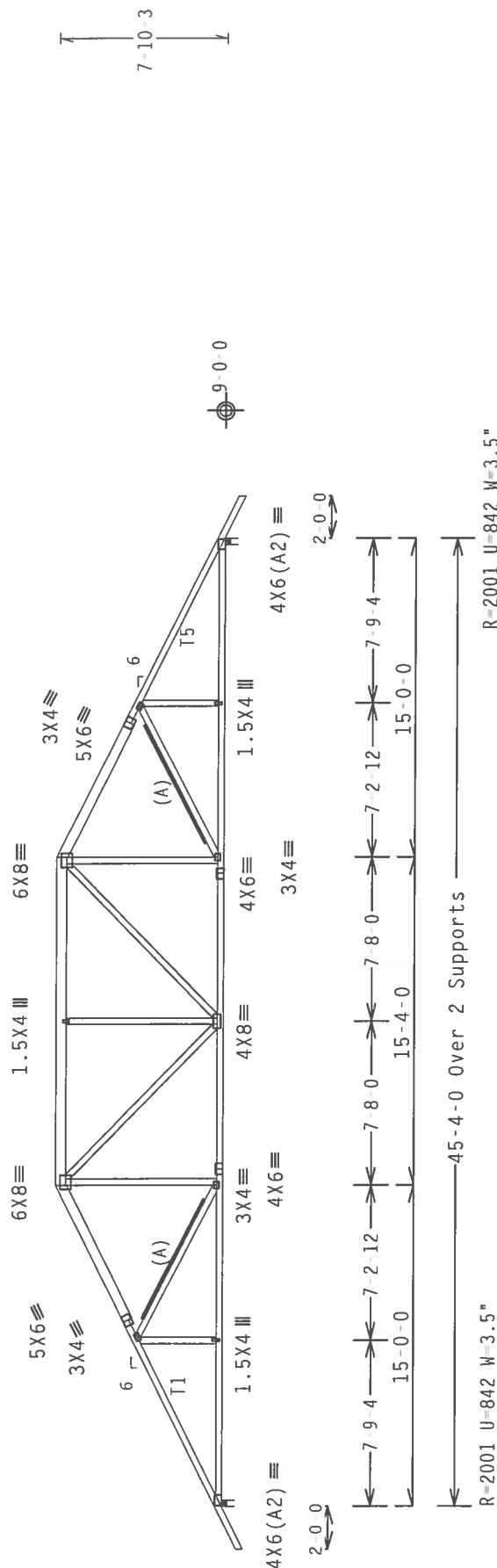
110 mph wind, 12.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

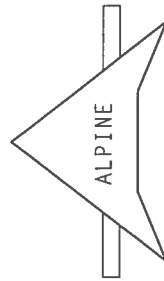
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=2001 U=842 W=3.5"

R=2001 11=842 W=3 5"

Design Crit: TPI-2002(STD)/FBC



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 BEST 1-800 BUILDING COMPLETION PUBLISHED BY IPI (CHURCH PARK INSTITUTE, 583 MILLER AVE., CHICAGO, IL 60607) FOR MORE INFORMATION. THESE CONNECTIONS ARE THE PROPERTY OF HADSON, INC. (HAWTHORNE, NJ 07095). ALL OTHERS ARE PROHIBITED FROM REPRODUCING OR USING THIS INFORMATION WITHOUT WRITTEN PERMISSION FROM HADSON, INC. (HAWTHORNE, NJ 07095).

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL BE PROPERLY ATTACHED TO TOP CHORD SETTING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSULATION CONTRACTOR. THE SUBMITTER SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.



Oct 19 '05

FL / - / 3 / - / - / R / -		Scale = .125" / Ft.
TC LL	20.0 PSF	REF R487-- 20363
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCUR487 05291056
BC LL	0.0 PSF	HC-ENG DF / AF
TOT.LD.	40.0 PSF	SEQN 46000
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SRF487 Z04



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		

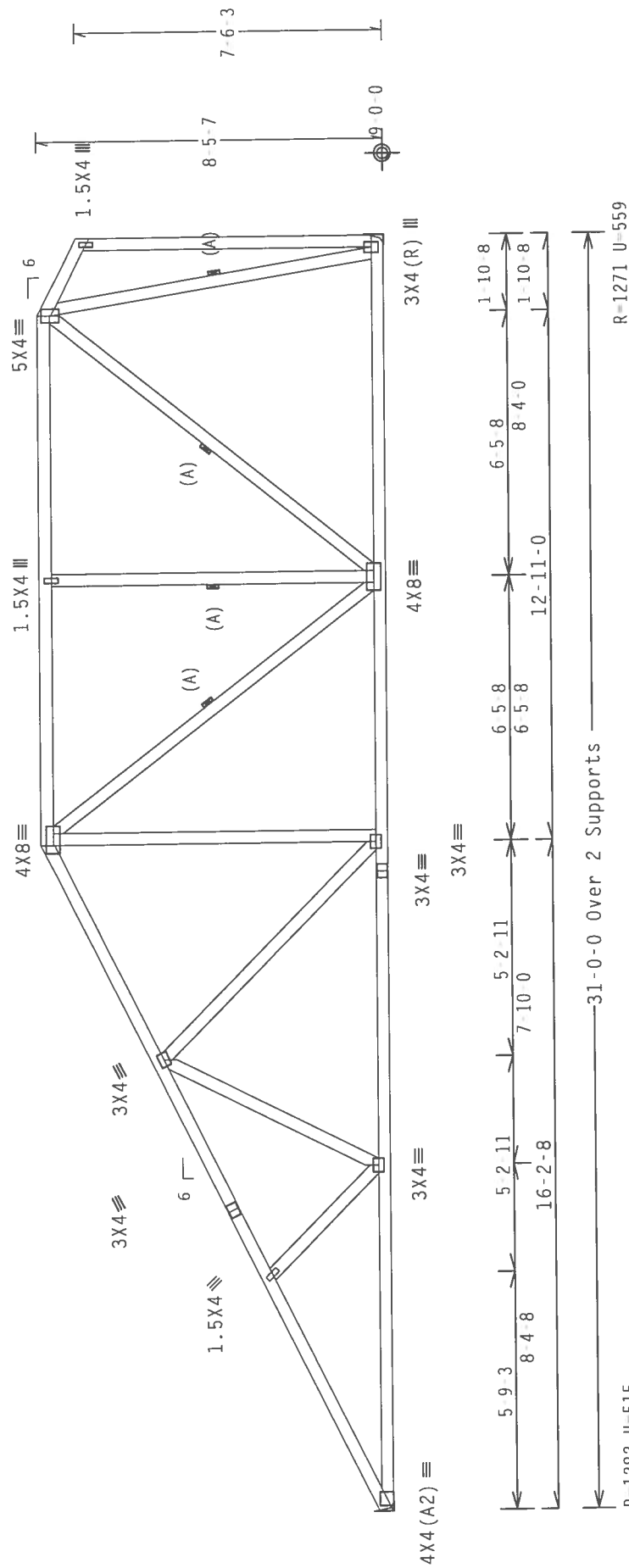
110 mph wind, 13.40 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-0.0 psf, wind BC DL-0.0 psf.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Right end vertical not exposed to wind pressure.

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



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

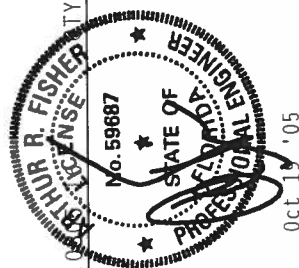
PLT TYP. Wave

Scale = .25"/Ft.

TY-1 E11-131-1-1R1-

****WARNING**** INHUSES REQUIRE EXTREME CARE TH FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BCST 103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TRUSS PLATE INSTITUTE, 583 "D'ORFIO RD., SUITE 200, MADISON, WI 53719) AND WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

*IMPORTANT** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALTHOUGH ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC.) AND AIAA (FIBERGLASS REINFORCED PLASTIC DESIGN GUIDE) IS THE SOLE RESPONSIBILITY OF THE USER. ONLY STEEL APPLY CONNECTION PLATE PER 1601.187-1601.190 OF AISC. ALL OTHERS ARE AT USER'S RISK. SEE DRAWINGS 160A.2. IF ANY INSPECTION OF PLATES FOLLOWED BY AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2.3. (1) SHALL BE PER AMERICAN CODE OF TPI 1 2009 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPLETION. THE SUITABILITY AND USE OF THIS COMPLIANT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. Engineering Seal



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

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

TC LL	20.0 PSF	REF R487 - - 20365
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCUSR487 05291057
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 46009
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SRF487_Z04

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

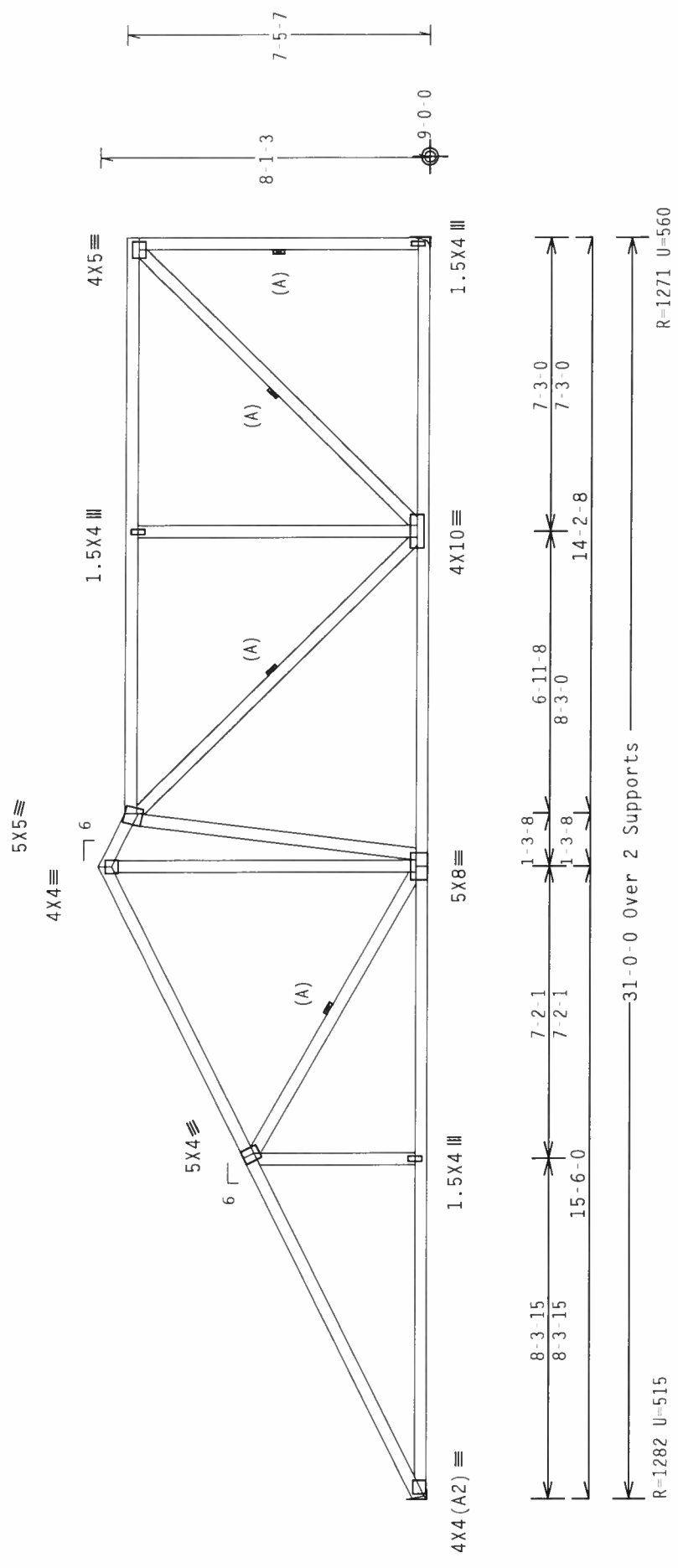
(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 13.22 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

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

QTY: 1

Scale = .25"/Ft.

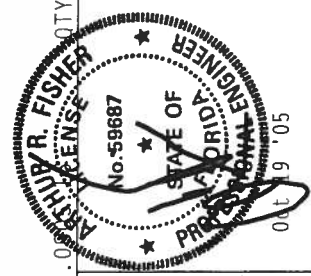
PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AISI (NATIONAL DESIGN SPEC. FOR STEEL) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS. 2018/10/14 (4/1/25/24) ASH A653 GRADE 40/60 (4/8/25) GALV. STEEL. APPLY 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK 43 OF TPI-2002 SEC. 3. FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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FL Certificate of Authorization # 567



TC LL	20.0 PSF	FL / - / 3 / - / - / R / -	REF R487 - 20366
TC DL	10.0 PSF		DATE 10/18/05
BC DL	10.0 PSF		DRW HCUSR487 05291058
BC LL	0.0 PSF		HC-ENG DF/AF
TOT.LD.	40.0 PSF		SEQN- 46026
DUR.FAC.	1.25		
SPACING	24.0"		JREF 1SRF487 Z04

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

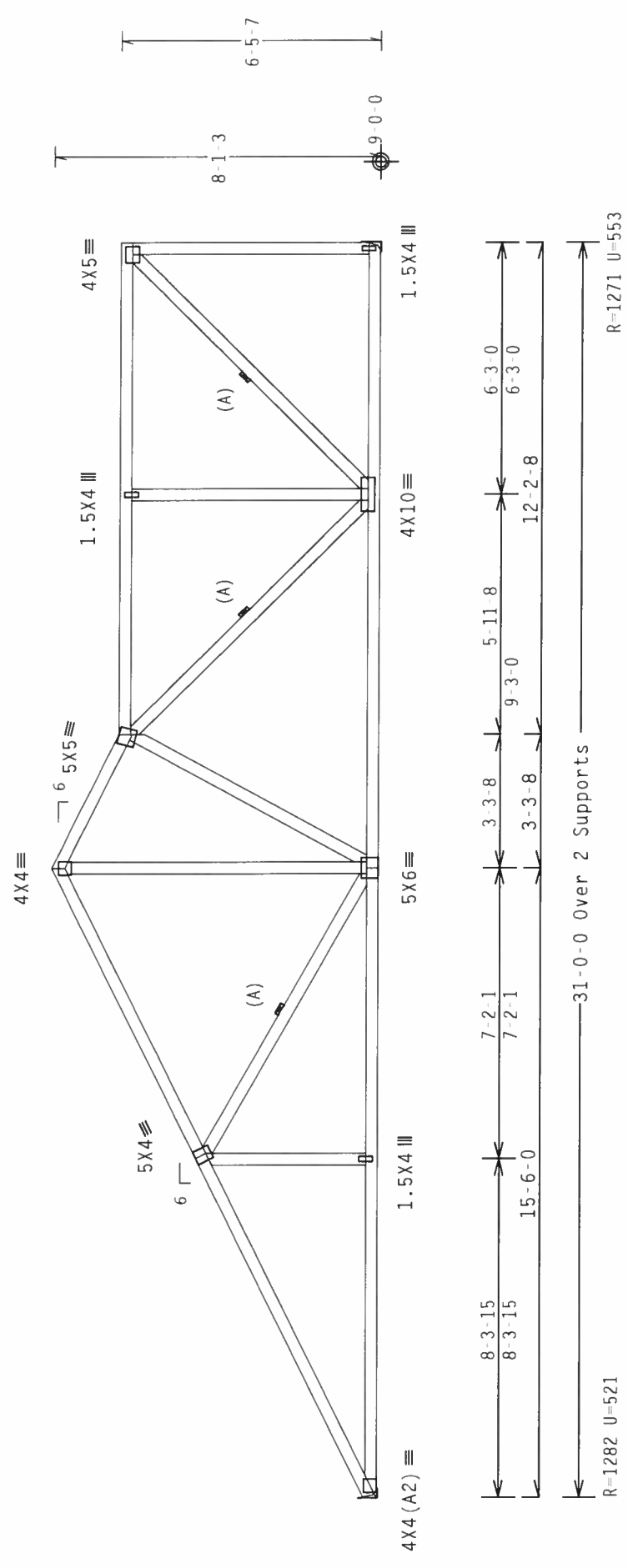
(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 13.22 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04

Scale = .25"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY (INFORMATION)), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'UNTERVILLE 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, COMPONENTS AND CABLE PROVISIONS OF THIS (NATIONAL DESIGN SPEC. BY AIA) AND TPI, SHALL APPLY TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSTER PER ORDERING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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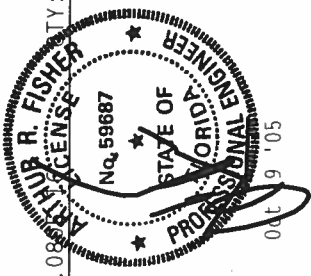
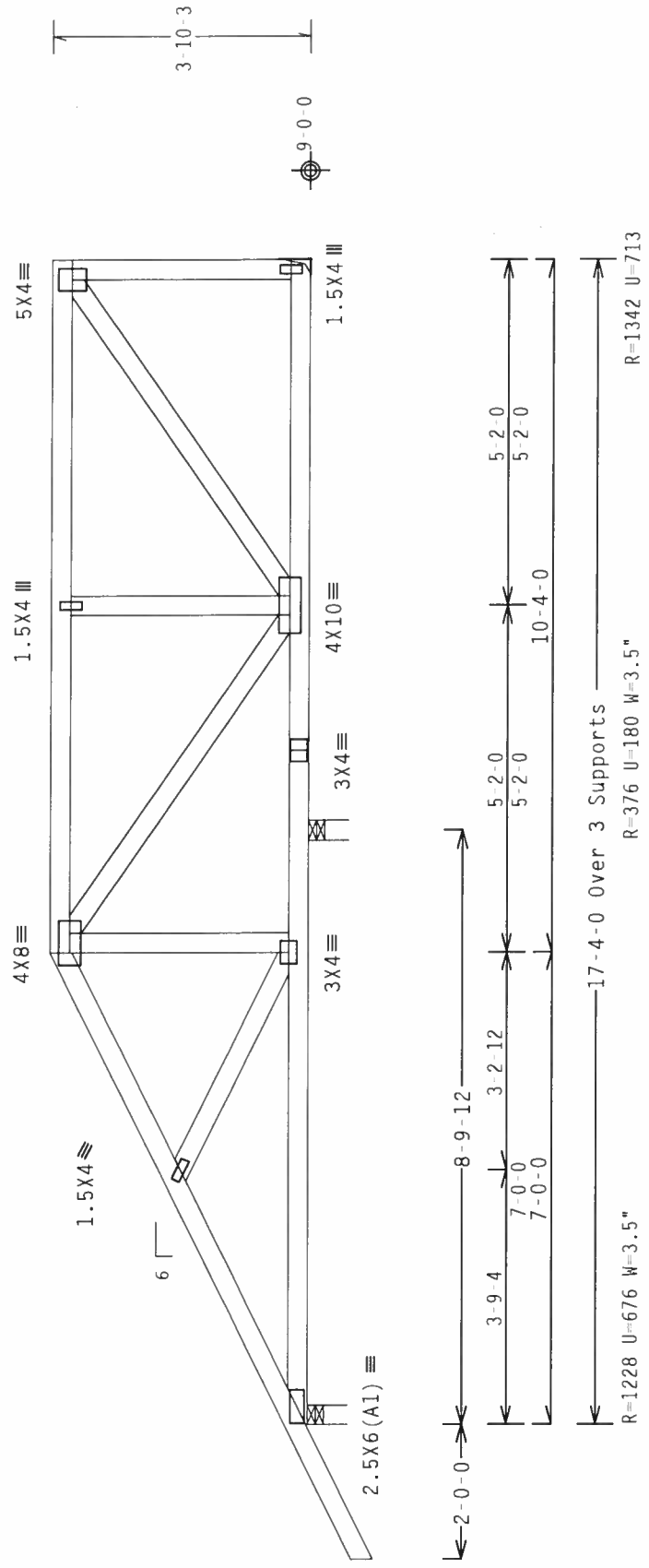
REF	R487--	20367
DATE	10/18/05	
DRW	HCUSR487	05291059
HC-ENG	DF/AF	
SEON-	46039	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF-	1SRF487_Z04	

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
#1 hip supports 7-0-0 jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) 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 AIA) AND TPI. APPLY PLATES TO PLATES MADE AFTER 2/18/1998 (MAY/2002) ASH A653 GRADE 40/60 (N. 4741) GALV. STEEL. APPLY PLATES TO PLATES MADE BEFORE 2/18/1998 (MAY/2002) ASH A653 GRADE 40/60 (N. 4741) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANSI A3 OF TPI 2002 SEC. 3.1 FOR TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. Wave	TY: 1	FL / - / 3 / - / - / R / -	Scale = .375" / Ft.
	TC LL	20.0 PSF	REF R487 -- 20368
	TC DL	10.0 PSF	DATE 10/18/05
	BC DL	10.0 PSF	DRW HCUSR487 05291060
	BC LL	0.0 PSF	HC-ENG DF/AF
	TOT. LD.	40.0 PSF	SEON- 45887
	DUR. FAC.	1.25	
	SPACING	SEE ABOVE	JREF- 1SRF487_Z04

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Haines City, FL 33844
FL Certificate of Authorization # 567

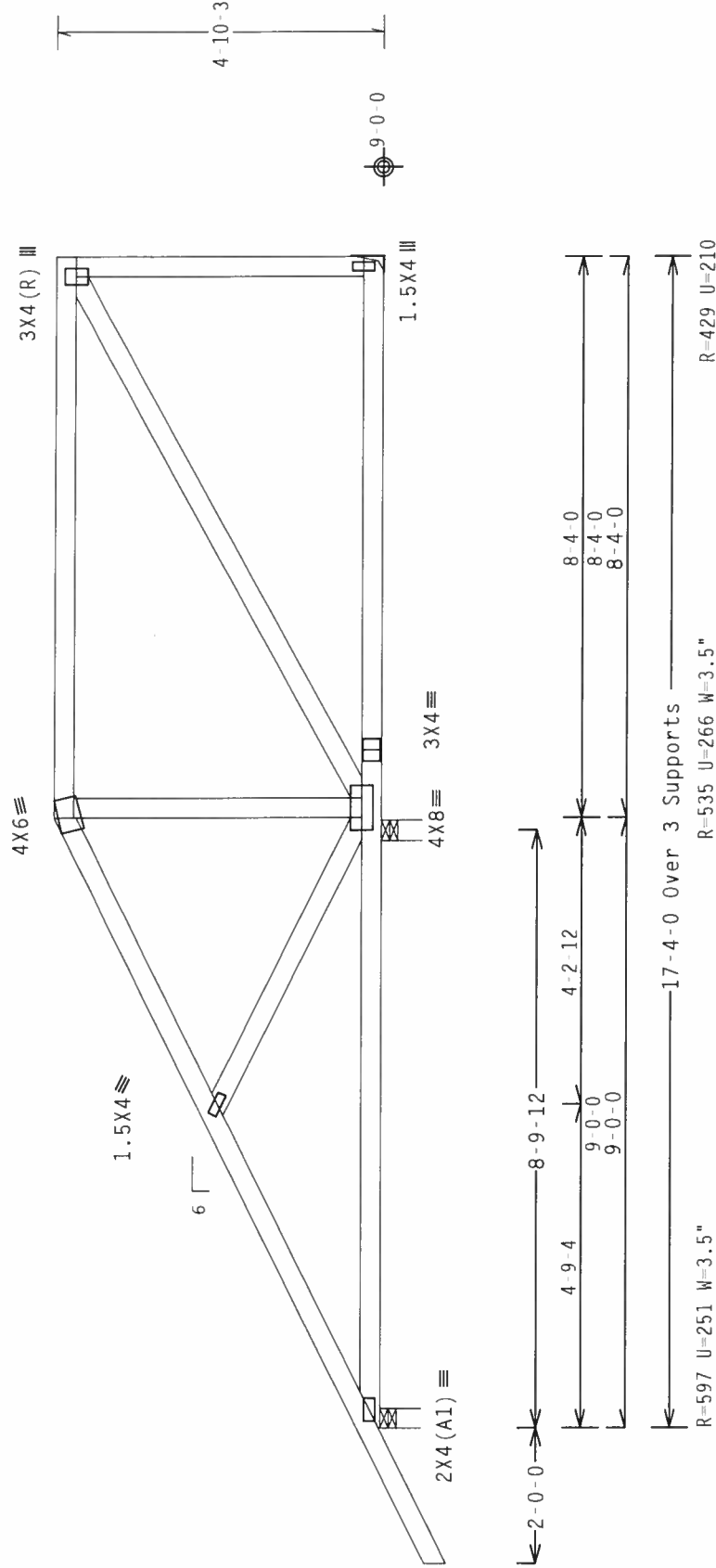
	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP	#2	Dense
		webs	2x4	SP	#3	

110 mph wind, 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=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

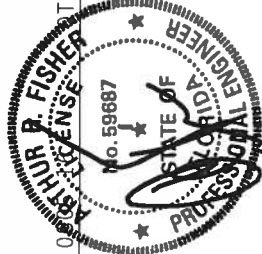
Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)

PLT TYP. Wave

TC LL	20.0	PSF	REF	R487 --	20369
TC DL	10.0	PSF	DATE	10/18/05	
BC DL	10.0	PSF	DRW	HCUSR487	05291061
BC LL	0.0	PSF	HC-ENG	DF/AF	
TOT.LD.	40.0	PSF	SEQN-	45908	
DUR.FAC.	1.25				
SPACING	24.0"		JREF	1SRF487	Z04



Oct 19 '05

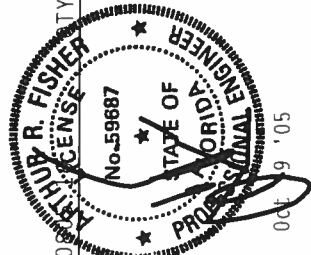
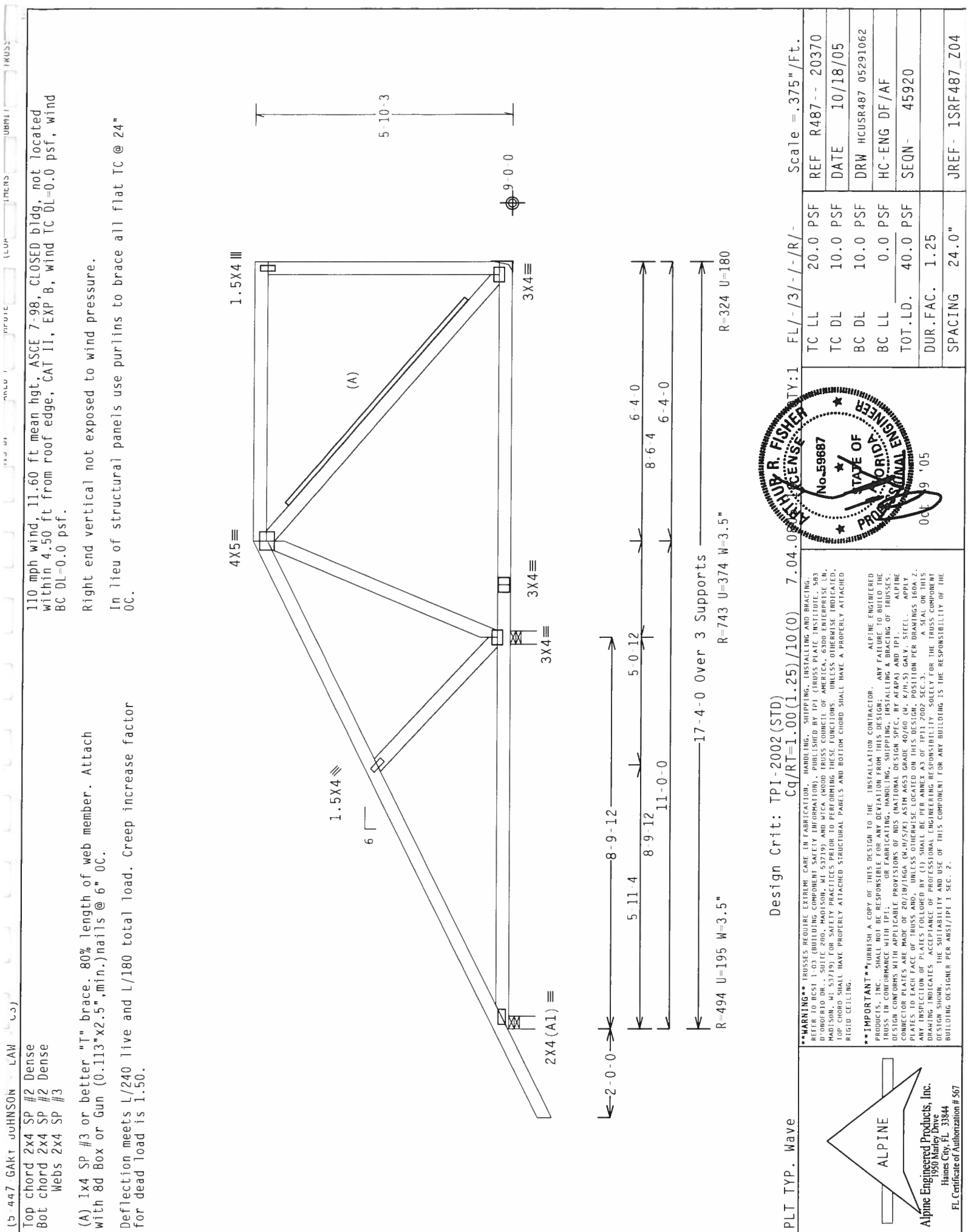
WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HAZARDOUS SHIPPING, UNLOADING AND DRAGING. REFER TO BEST 103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRUISING PLATE INSTITUTE, 580 D'AMORIO DR., SUITE 200, MADISON, WI 53719, AND NICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTED, 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 TP-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAPA) AND STEEL APPLIED TO EACH FACE OF TRUSS AND JOINTS OF TRUSS SHALL BE AT OWNERS RISK. 60% GALT STEEL PLATES TO EACH FACE OF TRUSS AND JOINTS OF TRUSS SHALL BE REQUIRED ON PER UNIFORM CODES. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMNEE AS OF TP19 2002 SECTION 5.08.03.01 ON DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SUITLY FOR THE TRUSS COMPONENT DESIGN SHOWN THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMNS (TP1) 1 SEC. 2.



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

FL Certificate of Authorization # S67



PLT TYP. Wave	Design Crit: TPI-2002(STD) Cq/RT=1.00(1.25)/10(0) 7.04.08		Scale = .375" / Ft.	
	TC LL	20.0 PSF	REF	R487-- 20370
	TC DL	10.0 PSF	DATE	10/18/05
	BC DL	10.0 PSF	DRW	HCUSR487 05291062
	BC LL	0.0 PSF	HC-ENG	DF/AF
	TOT.LD.	40.0 PSF	SEQN-	45920
DUR.FAC. 1.25			JREF - 1SRF487_Z04	
SPACING 24.0"				

Right end vertical not exposed to wind pressure.

Oct 19 '05

** IMPORTANT ** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR
 PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
 TRUSS IN CONFORMANCE WITH TP1. OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
 CONSTRUCTION CONFORMANCE WITH ANY LOCAL PROVISIONS OF MODS (NATIONAL DESIGN SPEC. BY AIA) AND TP1. ALPINE
 ENGINEERS SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS COMPONENTS. THE TRUSS
 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. 2.
 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX 43 OF TP11-2902 SEC.3. A SEAL ON THIS
 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
 BUILDING DESIGNER PER AMBEX 43 OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
 BUILDING DESIGNER PER AMBEX 43 OF TP11-2902 SEC. 2.

FL Certificate of Authorization # 567
Haines City, FL 33844

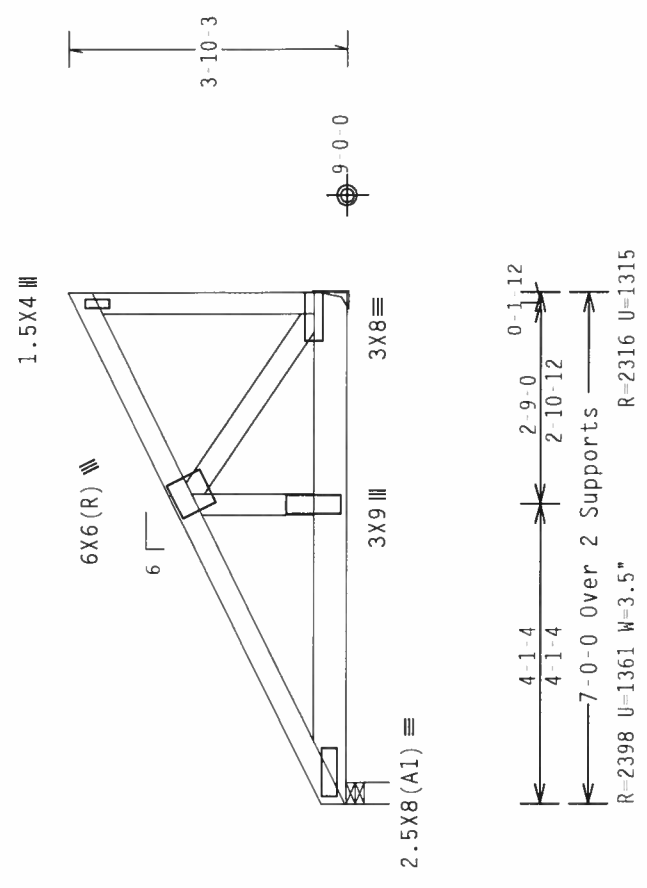
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

Girder supports 31-0-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

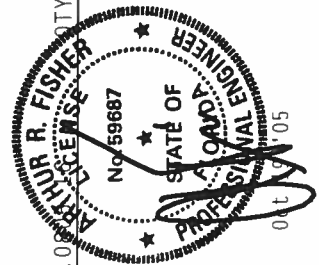
Right end vertical not exposed to wind pressure.

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



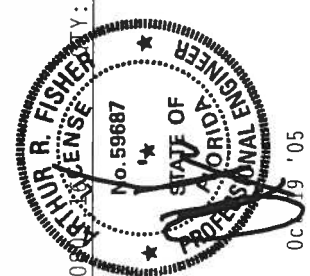
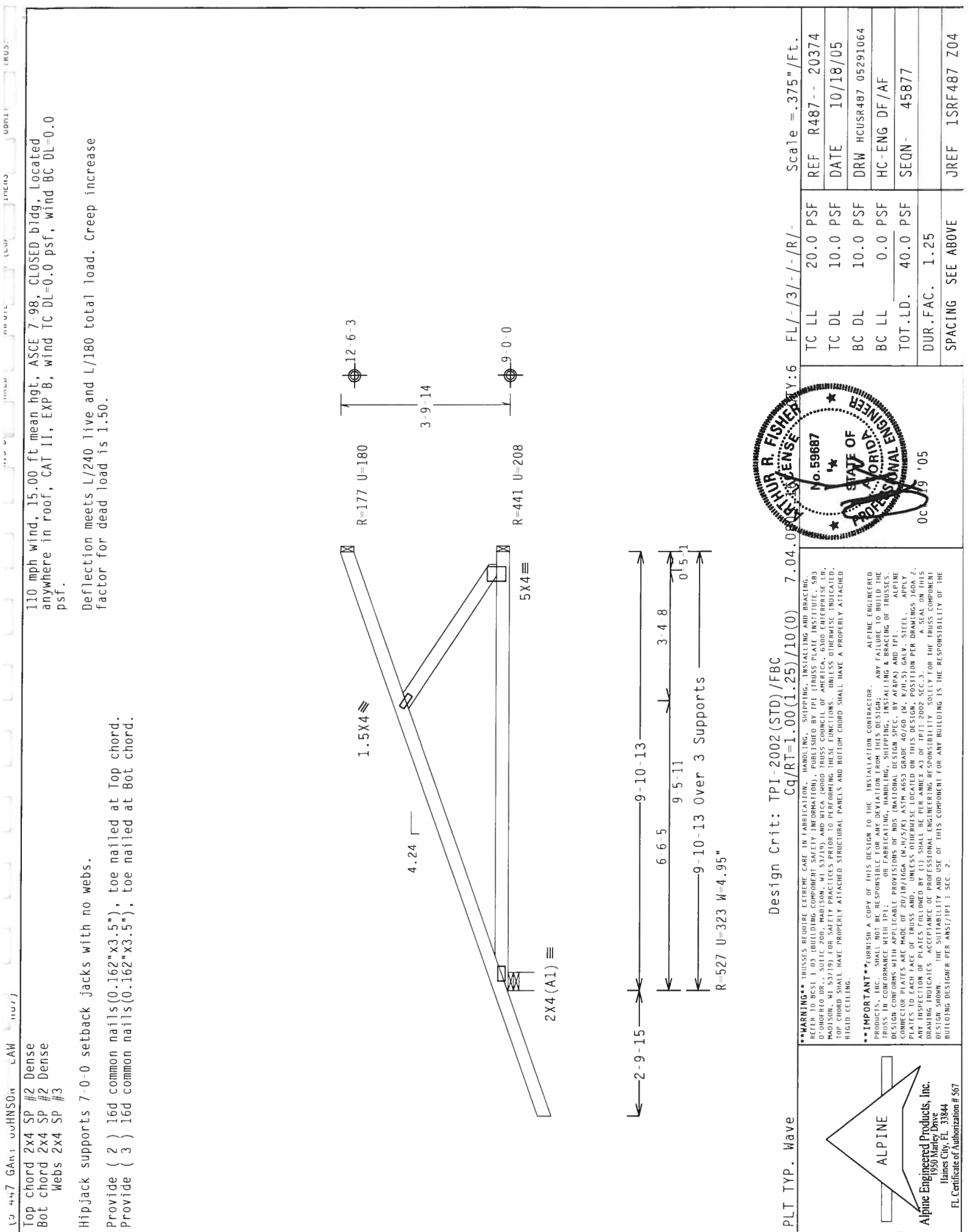
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	7.04.08	FL/-3/-/-R/-	Scale = .375"/Ft.
ALPINE Alpine Engineered Products, Inc. 1950 Matey Drive Haines City, FL 33844 FL Certificate of Authorization # 567	Cq/RT=1.00(1.25)/10(0)		
	TC LL	20.0 PSF	REF R487-- 20373
	TC DL	10.0 PSF	DATE 10/18/05
	BC DL	10.0 PSF	DRW HCUSR487 05291071
	BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD. 40.0 PSF			SEQN- 46078
DUR.FAC. 1.25			JREF- 1SRF487_Z04
SPACING SEE ABOVE			



****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, 983 D'ONDRIE DR., SUITE 200, MADISON, MI 48219) 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 THIS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED, ALL STEEL SHALL BE A36. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. FOR PER 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-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

PLT TYP. Wave	Scale = .375"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	SEE ABOVE
REF	R487 -- 20374
DATE	10/18/05
DRW	HCUSR487 05291064
HC-ENG	DF/AF
SEON	45877
JREF	1SRF487 Z04

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 D'UNOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LR, 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.

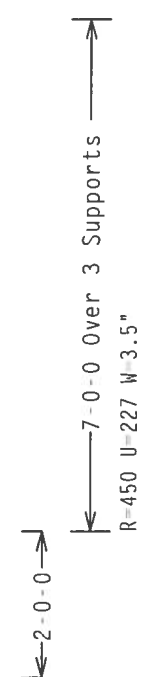
IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR PROVIDING TRUSSES (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI (TECHNICAL SPEC. BY AIA/AS) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR PROVIDING TRUSSES (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI (TECHNICAL SPEC. BY AIA/AS) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

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



42	FL	3	R	Scale = .375 / FL
TC	LL	20.0	PSF	REF R487-- 20375
TC	DL	10.0	PSF	DATE 10/18/05
BC	DL	10.0	PSF	DRW HCUSR487 05291065
BC	LL	0.0	PSF	HC-ENG DF/AF
TOT.	LD.	40.0	PSF	SEON- 13290
DUR.	FAC.	1.25		
SPACING		24.0"		JREF- 1SRF487_Z04



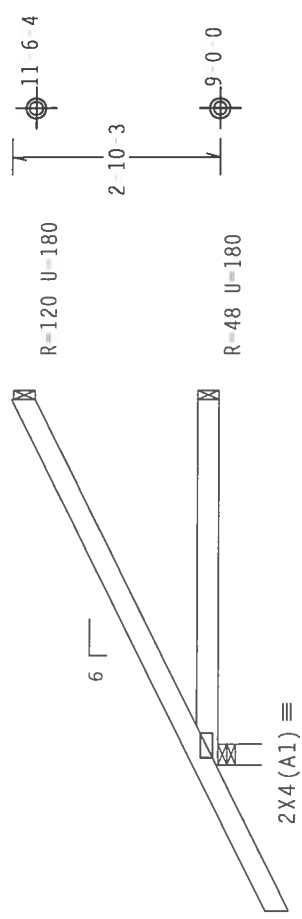
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

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

110 mph wind, 10.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

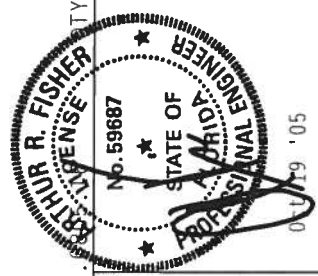


$\leftarrow 2-0-0 \rightarrow$
 $\leftarrow 5-0-0$ Over 3 Supports $\rightarrow$
 R-377 U=196 W=3.5"

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

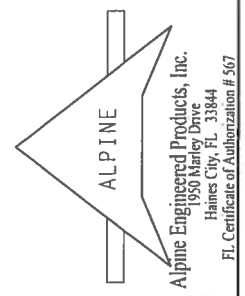
Scale = .375" / Ft.

TC LL	20.0	PSF	REF R487 - 20376
TC DL	10.0	PSF	DATE 10/18/05
BC DL	10.0	PSF	DRW HCUSR487 05291066
BC LL	0.0	PSF	HC-ENG DF/AF
TOT.LD.	40.0	PSF	SEQN- 13300
DUR.FAC.	1.25		
SPACING	24.0 "		JREF- 1SRF487 Z04

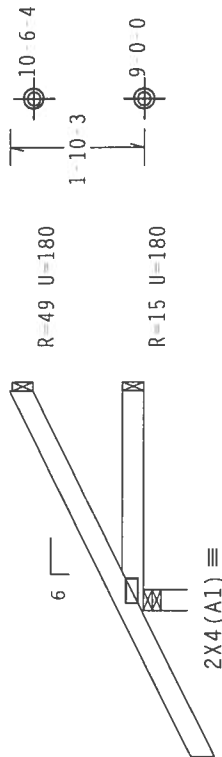


WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 8651 J 03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ORFIO DR., SUITE 200, MADISON, WI 53719, AND WACO TRUSS FABRICATORS OF AMERICA, 6300 ENTERPRISE 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 A BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AIA/A) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./I/S/F) 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 A OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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.



$\leftarrow 2-0-0 \rightarrow$
 $\leftarrow 3-0-0 \text{ Over } 3 \text{ Supports} \rightarrow$
 $R=317 \quad U=180 \quad W=3.5"$

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

080116 SHEPHERD Y: 12 EL - 13 / 1 - 1 / 1

Scale = 375"/Ft.

WARNING: THESE EXPERTISE, CARE, IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC), 530 SOUTH DEARBORN DR., SUITE 200, MADISON, WI 53719, AND NCA (WOOD PRESERVATION), 6300 WILLOWDALE, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, AMERICAN OVERSIGHT SHALL HAVE PROPERLY ATTACHED 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. ALPHIE ENGINEERS
TRUSSES, 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 ANCHORS IN CONFORMANCE WITH THE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND
CONNECTIONS AND ANCHORS IN CONFORMANCE WITH THE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL
PLATES TO EACH FACE OF TRUSSES 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 TP11 2009 SEC 3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGNED BY ALPHIE ENGINEERS. THE USE OF THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER & PER ANNEX TP11 1 SEC 2.



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

TC LL	20.0 PSF	REF R487-- 20377
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCUSR487 05291067
BC LL	0.0 PSF	HC-ENG DF /AF
TOT.LD.	40.0 PSF	SEQN- 13307
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SRF487 Z04

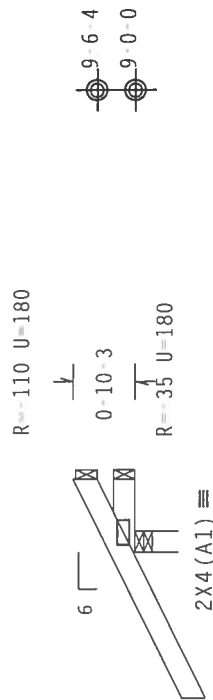
0.05

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

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

110 mph wind, 9.10 ft mean hgt., ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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



← 2-0-0 →
1-0-0 Over 3 Supports

R=361 U=227 W=3.5"

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

7.04.

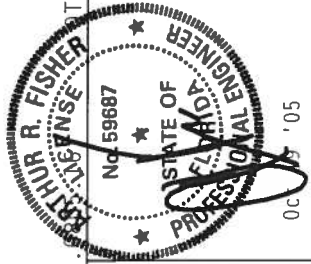
TY:12 FL/-/3/-/1-/R/-

Scale = .375"/ft.

TC LL	20.0	PSF	REF R487 - - 20378
TC DL	10.0	PSF	DATE 10/18/05
BC DL	10.0	PSF	DRW HCURS487 05291068
BC LL	0.0	PSF	HC-ENG DF/AF
TOT.LD.	40.0	PSF	SEQN - 13313
DUR.FAC.	1.25		
SPACING	24.0"		JREF - 1SRF487 Z04

WARNING: TRUSSES BUILDING EXTERIOR CANT. IN FABRICATION. MAXIMUM LIFT, SHIPPING, UNLOADING AND BRACING REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 1903 D'ONTROIR DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD BRUCE 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 TOP CHORD SHELL.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, TRUSSES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES CONNECTOR PLATES ARE MADE OF 70/18/16GA. (W/H/S) ASTM A553 GRADE 40/60 (W./H.S.) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND INHERENTLY LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A & 160B. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMXK 43 OF TP1 2002 SEC 3. 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 DESIGNER PER AMXK/TP1 1 SEC. 2.



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

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

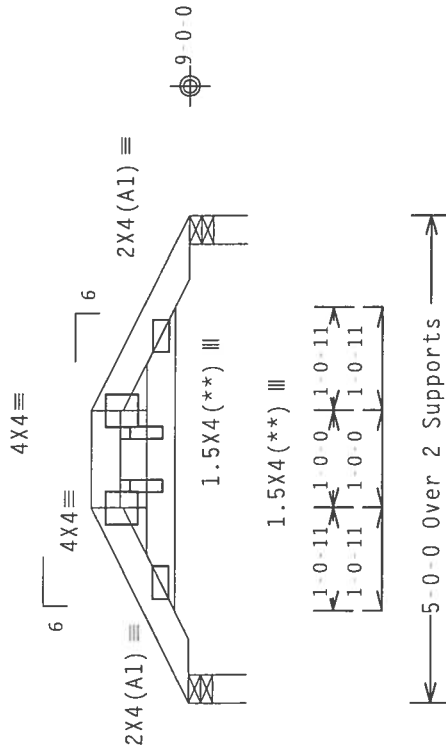
110 mph wind, 9.50 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Refer to DWG PIGBACKA1103 or PIGBACKB1103 for piggyback details.

PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC,
UNLESS OTHERWISE SPECIFIED.

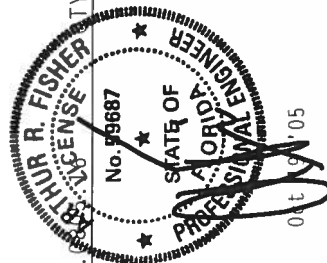


R-241 U=180 W=3.5"

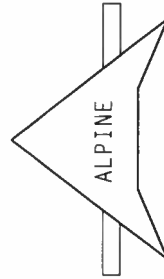
PLT TYP. Wave

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487 -- 20379
TC DL	10.0 PSF	DATE 10/18/05
BC DL	10.0 PSF	DRW HCURS487 05291069
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 46705 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SRF487 Z04

[illegible]

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS WHICH SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: DESIGN CONFORMS WITH THE FOLLOWING STANDARDS: WELDING, INSTALLATION, DESIGN, AND FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN CONFORMING WITH APPLICABLE PROVISIONS OF THE AISC DESIGN GUIDE. CONNECTOR PLATES ARE MADE OF 2018/1668 (H 41/2/2) ASTM A575 GRADE 40/60. KIN PLATES TO EACH FACE OF TRUSS AND WELDING LOCATED ON THIS DESIGN. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF 1/11/2002 SEC. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLE DESIGNING. THE SUBMITAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS BUILDING DESIGNER PER ASTM/P1 1 SEC. 2



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

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

BEARING BLOCK NAIL SPACING DETAIL

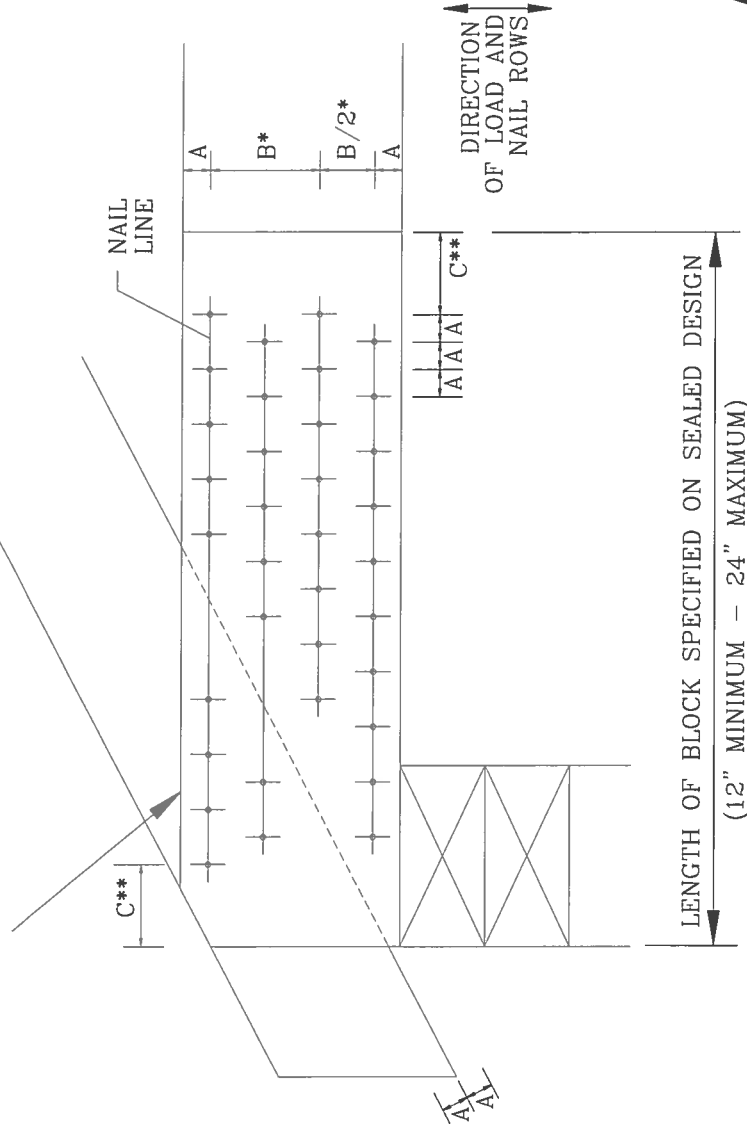
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

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

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

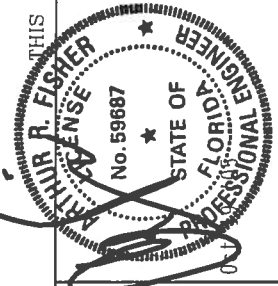
BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (F_c-perp) IS AT LEAST THAT OF THE CHORD.



MINIMUM NAIL SPACING DISTANCES

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

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, INCLUDING THE TRUSS IN COMPLIANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10, 360-11, 360-12, 360-13, 360-14, 360-15, 360-16, 360-17, 360-18, 360-19, 360-20, 360-21, 360-22, 360-23, 360-24, 360-25, 360-26, 360-27, 360-28, 360-29, 360-30, 360-31, 360-32, 360-33, 360-34, 360-35, 360-36, 360-37, 360-38, 360-39, 360-40, 360-41, 360-42, 360-43, 360-44, 360-45, 360-46, 360-47, 360-48, 360-49, 360-50, 360-51, 360-52, 360-53, 360-54, 360-55, 360-56, 360-57, 360-58, 360-59, 360-60, 360-61, 360-62, 360-63, 360-64, 360-65, 360-66, 360-67, 360-68, 360-69, 360-70, 360-71, 360-72, 360-73, 360-74, 360-75, 360-76, 360-77, 360-78, 360-79, 360-80, 360-81, 360-82, 360-83, 360-84, 360-85, 360-86, 360-87, 360-88, 360-89, 360-90, 360-91, 360-92, 360-93, 360-94, 360-95, 360-96, 360-97, 360-98, 360-99, 360-100.

****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 COMPLIANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10, 360-11, 360-12, 360-13, 360-14, 360-15, 360-16, 360-17, 360-18, 360-19, 360-20, 360-21, 360-22, 360-23, 360-24, 360-25, 360-26, 360-27, 360-28, 360-29, 360-30, 360-31, 360-32, 360-33, 360-34, 360-35, 360-36, 360-37, 360-38, 360-39, 360-40, 360-41, 360-42, 360-43, 360-44, 360-45, 360-46, 360-47, 360-48, 360-49, 360-50, 360-51, 360-52, 360-53, 360-54, 360-55, 360-56, 360-57, 360-58, 360-59, 360-60, 360-61, 360-62, 360-63, 360-64, 360-65, 360-66, 360-67, 360-68, 360-69, 360-70, 360-71, 360-72, 360-73, 360-74, 360-75, 360-76, 360-77, 360-78, 360-79, 360-80, 360-81, 360-82, 360-83, 360-84, 360-85, 360-86, 360-87, 360-88, 360-89, 360-90, 360-91, 360-92, 360-93, 360-94, 360-95, 360-96, 360-97, 360-98, 360-99, 360-100.

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

TOP CHORD FILLER DETAIL

- + 2X4 CONTINUOUS LATERAL BRACING AT 24" OC MAXIMUM SPACING. ATTACH TO EACH TOP CHORD WITH (2) 16d NAILS. BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.
- ++ 2X4 SO. PINE #2 N OR SPF #1/#2 FILLER TOP CHORD.
- +++ 2X4 SO. PINE #3 OR SPF #1/#2 VERTICAL WEBS SPACED 48" OC MAXIMUM.
- * 8/12 MAXIMUM PITCH.
- ** 2X8.25 PIGGYBACK SPECIAL PLATE. SEE DRAWING PIGBACKB0699 FOR PIGGYBACK SPECIAL PLATE INFORMATION.

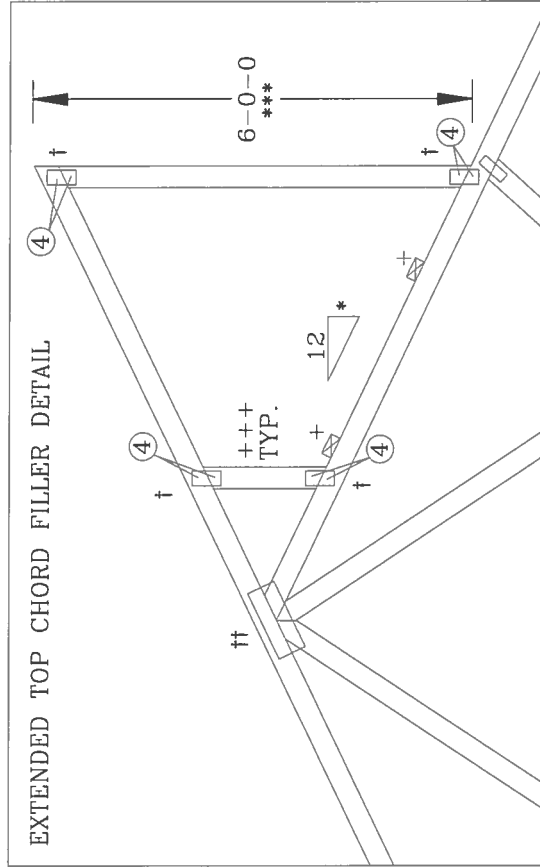
*** 6'0" MAXIMUM HEIGHT.

† W2X4 OR 3X6 TRULOX.

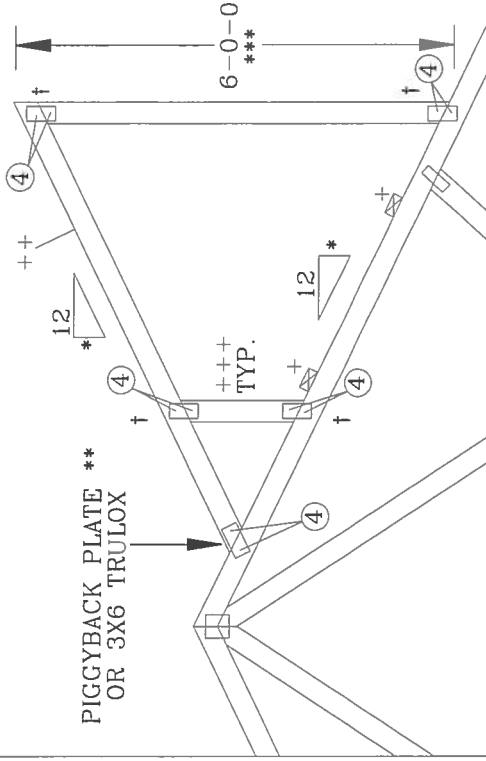
†† REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

11 GAUGE (0.120")X1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF EACH TRUSS PLY. SEE DWG 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS.

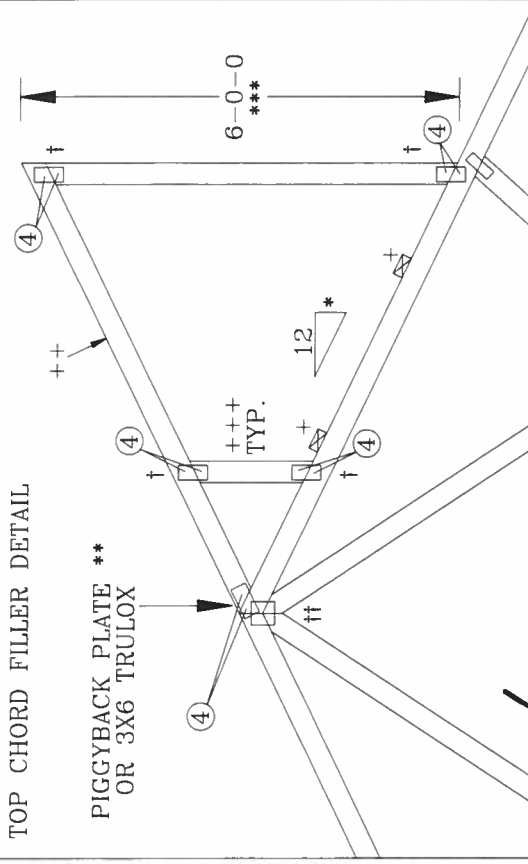
EXTENDED TOP CHORD FILLER DETAIL



OFFSET FILLER DETAIL



TOP CHORD FILLER DETAIL



THIS DRAWING REPLACES DRAWING 884,080

	TC	LL	MAX	30	PSF	REF	TC-FILLER
	TC	DL	MAX	15	PSF	DATE	11/26/03
	EC	DL	MAX	10	PSF	DRWG	TCFILLER1103
	ED	LL			0	PSF	-ENG SUP/KAR
	DUR. FAC.		1.15 OR 1.33				
	SPACING		24.0"				

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DONDORF 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 CONSTRUCTION. ALL TRUSSES 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), A STEEL CONSTRUCTION MANUAL, AND THE 2001 INTERNATIONAL BUILDING CODE. ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

FILLER DETAIL

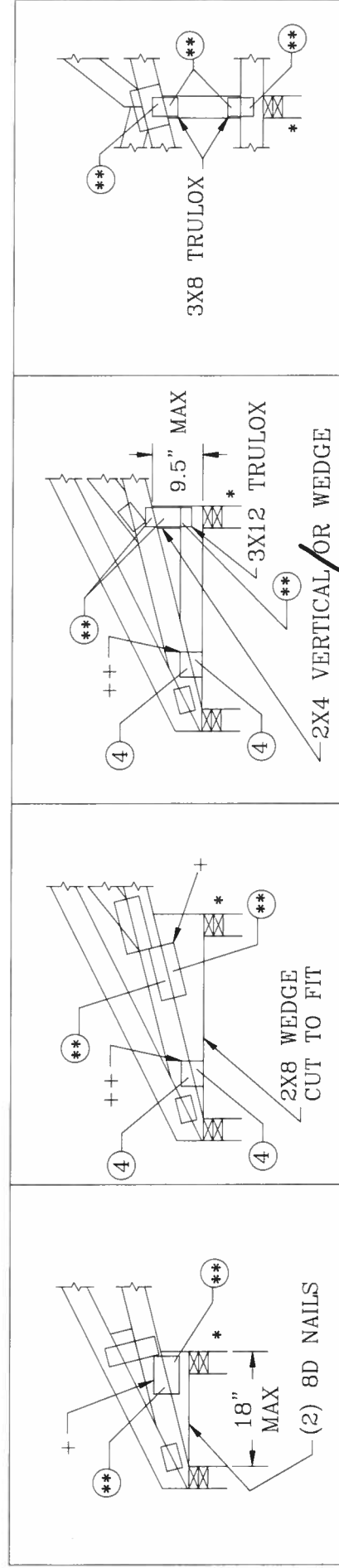
+ 3X4 WAVE OR 4X8 TRULOX

++ 2X4 WAVE OR 3X6 TRULOX

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS
DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT
SHOWN.

ALL TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMODATE REQUIRED NAILS (**)

FILLER BOTTOM CHORD OR WEDGE SPECIES	MAXIMUM REACTION		MINIMUM BEARING AREA	** REQUIRED NAILS PER FACE WITH TRULOX PLATES				
	DOWNWARD	UPLIFT		1.00 D.O.L.	1.15 D.O.L.	1.25 D.O.L.	1.33 D.O.L.	1.60 D.O.L.
DOUGLAS FIR-LARCH	3281#	1656#	1.5" X 3.5"	12	11	10	9	8
HEM-FIR	2126#	1095#	1.5" X 3.5"	9	8	7	7	6
SPRUCE-PINE-FIR	2231#	1192#	1.5" X 3.5"	10	9	8	8	6
SOUTHERN PINE DENSE	3465#	1791#	1.5" X 3.5"	12	11	10	9	8
SOUTHERN PINE	2966#	1492#	1.5" X 3.5"	10	9	8	8	7
SOUTHERN PINE NON-DENSE	2520#	1343#	1.5" X 3.5"	9	8	7	7	6



DRAWING REPLACES DRAWINGS A115 A115/R & 884.132

TC LL	—	PSF	REF	BC FILLER
TC DL	—	PSF	DATE	11/26/03
BC DL	10.0	PSF	DRWG	BCFILLER1103
BC LL	—	PSF	—ENG	DLJ/KAR
TOT. LD.	—	PSF		
DUR. FAC.	1.0/1.15/1.25/1.33			
SPACING	24.0"			

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND PLACING. THE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY, INC., 589 UNIVERSITY AVENUE, SUITE 200, WESTFIELD, MA 01095, U.S.A., IS A MUST-READ FOR ALL OF AMERICA. 6300 ENRIQUEL LN, WADSWORTH, WI 53191, 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 CEING.

FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEER PRODUCTS, INC. SHALL BE RESPONSIBLE FOR FABRICATING, WELDING, SHIPPING, INSTALLING AND BUILDING THE TRUSSES IN CONFORMANCE WITH TP1. THE INSTALLATION CONTRACTOR SHALL BRACE THE TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA W/H/S/KO ASTM A653 GRADE, 40/60 W/H/S/D GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS FOLLOWED BY (3) SHALL INDICATE POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES ACCEPTANCE BY (3) SHALL BE THE PROFESSIONAL ENGINEER'S RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TP1 I SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

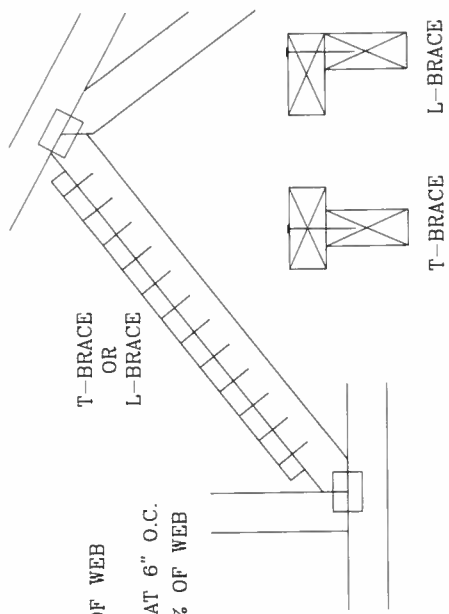
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

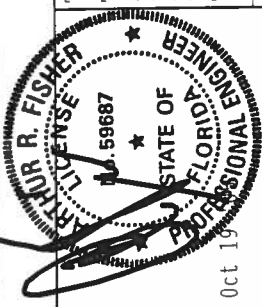
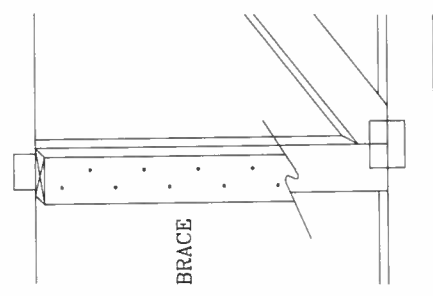
T-BRACING
OR
L-BRACING:

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



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DONDROFF DR., SUITE 200, MADISON, WI 53719) AND VITCA (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 A PROPERLY ATTACHED RIGID CEILING. STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/X) 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 DATES, ACCEPTANCE OF BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL OF THIS DRAWING INDICATES THE ACCEPTANCE OF THE PROFESSIONAL ENGINEER, RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS DESIGN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.

