

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: 1SSS487-Z0507133919

Truss Fabricator: Anderson Truss Company
Job Identification: 5-479-STANLEY CRAWFORD-CASON
Truss Count: 70
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: BRCLBSUB-CNBRGBLK



Seal Date: 12/07/2005

-Truss Design Engineer-

Arthur R. Fisher

Florida License Number: 59687

1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	21350--A1		05340037	12/06/05
2	21351--A2		05340038	12/06/05
3	21352--A3		05340045	12/06/05
4	21353--A4		05340046	12/06/05
5	21354--A5		05340047	12/06/05
6	21355--A6		05340053	12/06/05
7	21356--A7G		05340021	12/06/05
8	21357--A8		05340066	12/06/05
9	21358--A9		05340055	12/06/05
10	21359--A10		05340067	12/06/05
11	21360--A11G		05340019	12/06/05
12	21361--A12		05340051	12/06/05
13	21362--A13		05340058	12/06/05
14	21363--A14		05340062	12/06/05
15	21364--A15		05340063	12/06/05
16	21365--A16		05340061	12/06/05
17	21366--A17		05340011	12/06/05
18	21367--A18		05340010	12/06/05
19	21368--A19		05340009	12/06/05
20	21369--A20		05340008	12/06/05
21	21370--A21		05340007	12/06/05
22	21371--B1		05340060	12/06/05
23	21372--B2		05340035	12/06/05
24	21373--B3		05340056	12/06/05
25	21374--B4G		05340057	12/06/05
26	21375--C1		05340013	12/06/05
27	21376--C2		05340006	12/06/05
28	21377--C3		05340014	12/06/05
29	21378--C4		05340015	12/06/05
30	21379--C5		05340016	12/06/05
31	21380--C6		05340017	12/06/05
32	21381--C7		05340034	12/06/05
33	21382--C8		05340032	12/06/05
34	21383--C9		05340031	12/06/05
35	21384--C10		05340030	12/06/05
36	21385--C11		05340029	12/06/05

#	Ref	Description	Drawing#	Date
37	21386--C12		05340004	12/06/05
38	21387--D1		05340001	12/06/05
39	21388--D2		05340012	12/06/05
40	21389--D3		05340023	12/06/05
41	21390--D4		05340033	12/06/05
42	21391--D5G		05341006	12/07/05
43	21392--F1G		05340064	12/06/05
44	21393--F2G		05340044	12/06/05
45	21394--HJ7		05340054	12/06/05
46	21395--EJ7		05340048	12/06/05
47	21396--HJ5		05340052	12/06/05
48	21397--EJ5		05340059	12/06/05
49	21398--HJ3		05340040	12/06/05
50	21399--EJ3		05340041	12/06/05
51	21400--J5		05340065	12/06/05
52	21401--J3		05340068	12/06/05
53	21402--J1		05340069	12/06/05
54	21403--HJC		05340026	12/06/05
55	21404--EJC		05340018	12/06/05
56	21405--J5C		05340024	12/06/05
57	21406--J1C		05340025	12/06/05
58	21407--JC1		05340020	12/06/05
59	21408--JC2		05340022	12/06/05
60	21409--EJ7D		05340003	12/06/05
61	21410--MGR		05340036	12/06/05
62	21411--HJS		05340028	12/06/05
63	21412--EJS		05340005	12/06/05
64	21413--K1		05340049	12/06/05
65	21414--K2		05340050	12/06/05
66	21415--R1		05340039	12/06/05
67	21416--R2		05340042	12/06/05
68	21417--R3		05340043	12/06/05
69	21418--R4		05340002	12/06/05
70	21419--S1G		05340027	12/06/05



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: ISSS487-Z0507133919

Truss Fabricator: Anderson Truss Company
Job Identification: 5-479-STANLEY CRAWFORD-CASON (5-479|-STANLEY CRAWFORD-CASON)
Truss Count: 4
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: 12/07/2005

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	21376--C2		05340006	12/06/05
2	21377--C3		05340014	12/06/05
3	21378--C4		05340015	12/06/05
4	21379--C5		05340016	12/06/05



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

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

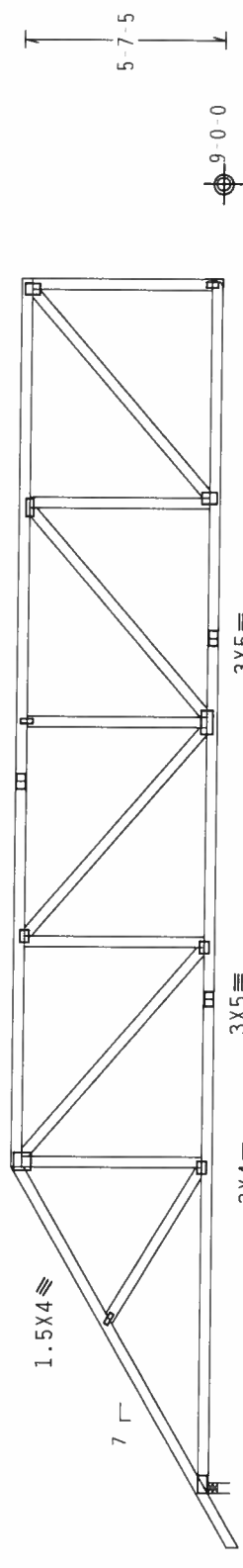
110 mph wind, 11.55 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

1.5X4 III

6X6 III 3X4 III 3X4 III 3X5 III 5X4 III 2.5X6 III 5X4 III



0-4-5

1-6-0

9-0-0 24-8-0

33-8-0 Over 2 Supports

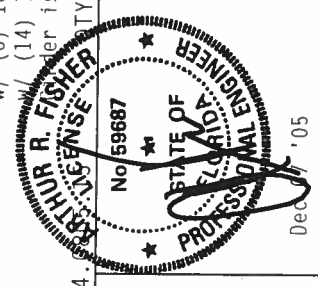
R=1510 U-250 W=3.5"

R=1391 U=257 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002 (STD) /FBC

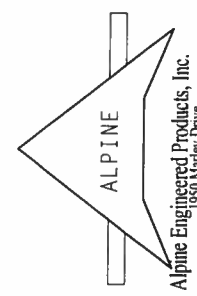
Cq/RT=1.00(1.25)/10(0) 7.04.

Scale = .1875"/Ft.



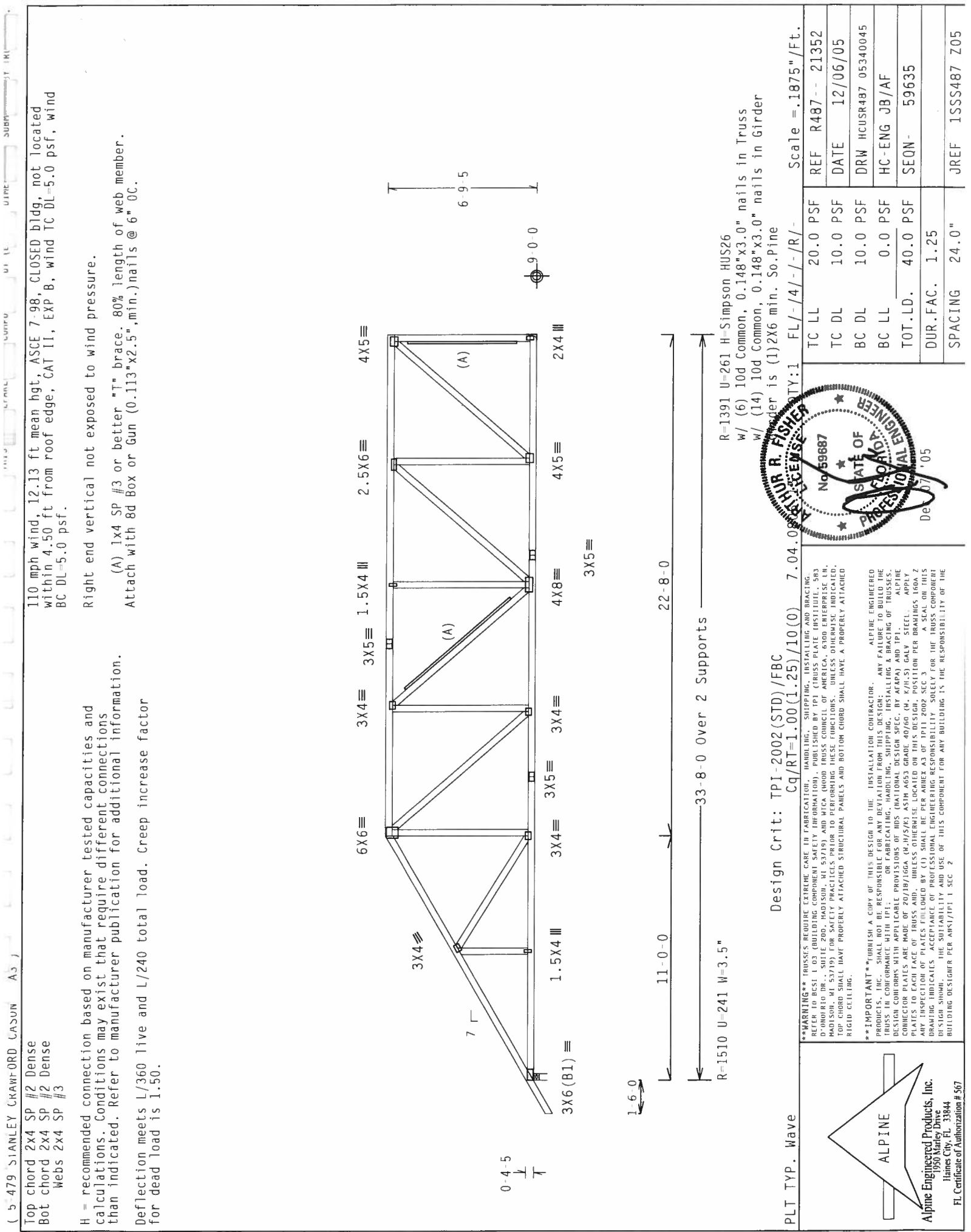
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE 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. PROVIDES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CHORDS WITH APPLICABLE PROVISIONS OF THE TPI-2002 (STD) /FBC. ALPINE CONNECTOR PLATES ARE MADE OF 2018/T666 (MIL-STD-883C) ALUMINUM. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, DO NOT APPLY TO THE BOTTOM CHORD. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-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 BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

TC LL	20.0 PSF	REF	R487--	21351
TC DL	10.0 PSF	DATE	12/06/05	
BC DL	10.0 PSF	DRW	HCUSR487	05340038
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	59625	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SSS487_Z05	



110 mph wind, 12.13 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

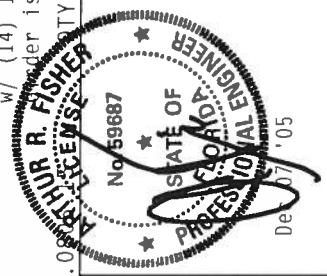
(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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

R=1391 U=261 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

TC LL	20.0 PSF	REF	R487 --	21352
TC DL	10.0 PSF	DATE	12/06/05	
BC DL	10.0 PSF	DRW	HCUSR487	05340045
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	59635	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SSS487	Z05



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08
Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 D'AMORIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6100 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 MDS NATIONAL DESIGN SPEC. BY ATAPA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/5X3) ASTM A653 GRADE 40/60 (4- K/H-S) GALV. STEEL. APPLY WATERPROOFING TO ALL TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2 AND 160B 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC 2

Alpine Engineered Products, Inc.
1950 Marley Drive
Jaines City, FL 33844
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

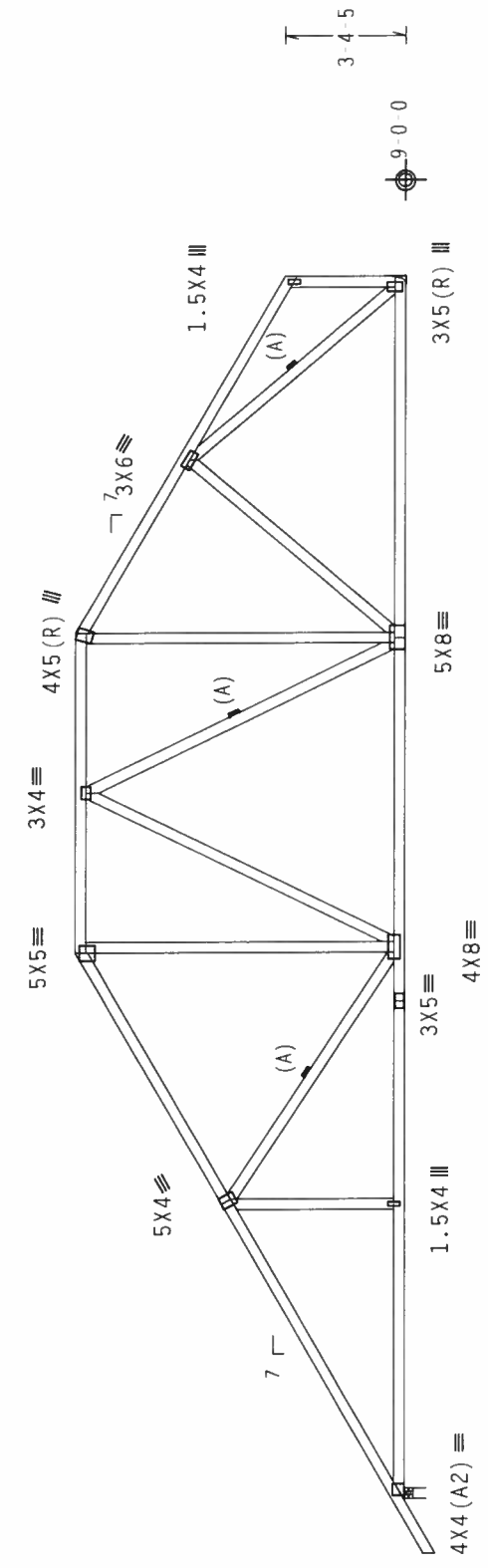
110 mph wind, 13.30 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

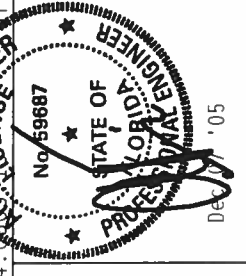
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



16'-0"
7'-0"
33'-8" Over 2 Supports
R=1506 U=249 W=3.5"

R=1395 U=231 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Member is (1)2X6 min. So.Pine

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08
Scale = .1875"/Ft.



****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, 593 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND METAL 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 ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2017B1000 (4-M/5X3) ASTM A653 GRADE 40/50 (40, 41/50) GALV. STEEL. APPLY TO ALL TRUSSES UNLESS SPECIFIED OTHERWISE. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ANY INSPECTION OF PLATES FOLLOWING BY THE INSTALLER SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ANY DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

TC LL	20.0 PSF	REF	R487 - -	21354
TC DL	10.0 PSF	DATE	12/06/05	
BC DL	10.0 PSF	DRW	HCUSR487 05340047	
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	59660	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SSS487_Z05	

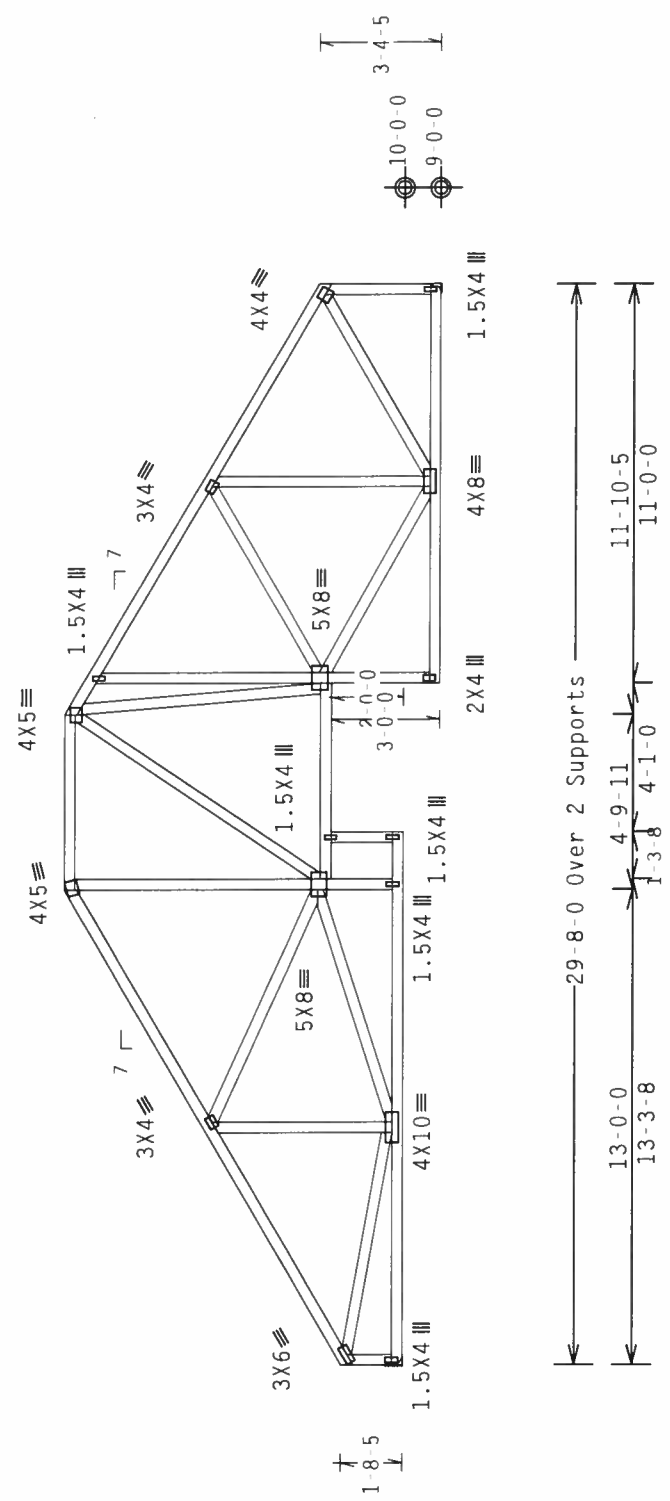
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 15.48 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



R=1234 U=205 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1233 U=208 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.88

Scale = .1875"/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 -- 21355
DATE 12/06/05
DRW HCUSR487 05340053
HC-ENG JB/AF
SEQN 59676
JREF 1SSS487 Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES, P.O. BOX 100, MADISON, WI 53719, AND AISC (WOOD TRUSS COUNCIL OF AMERICA, 6100 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 AITPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2019/16GA (4-H/5/8) ASTM A653 GRADE 40/60 (4- K/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. ACCEPTABLE PROFESSIONAL ENGINEERING PRACTICE FOR THE DESIGN OF THE TRUSS SYSTEM IS 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.

THUR. B. FISHER
ENGINEER
No. 59687
STATE OF FLORIDA
PROFESSIONAL
Dec 01 '05

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

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

End verticals not exposed to wind pressure.

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

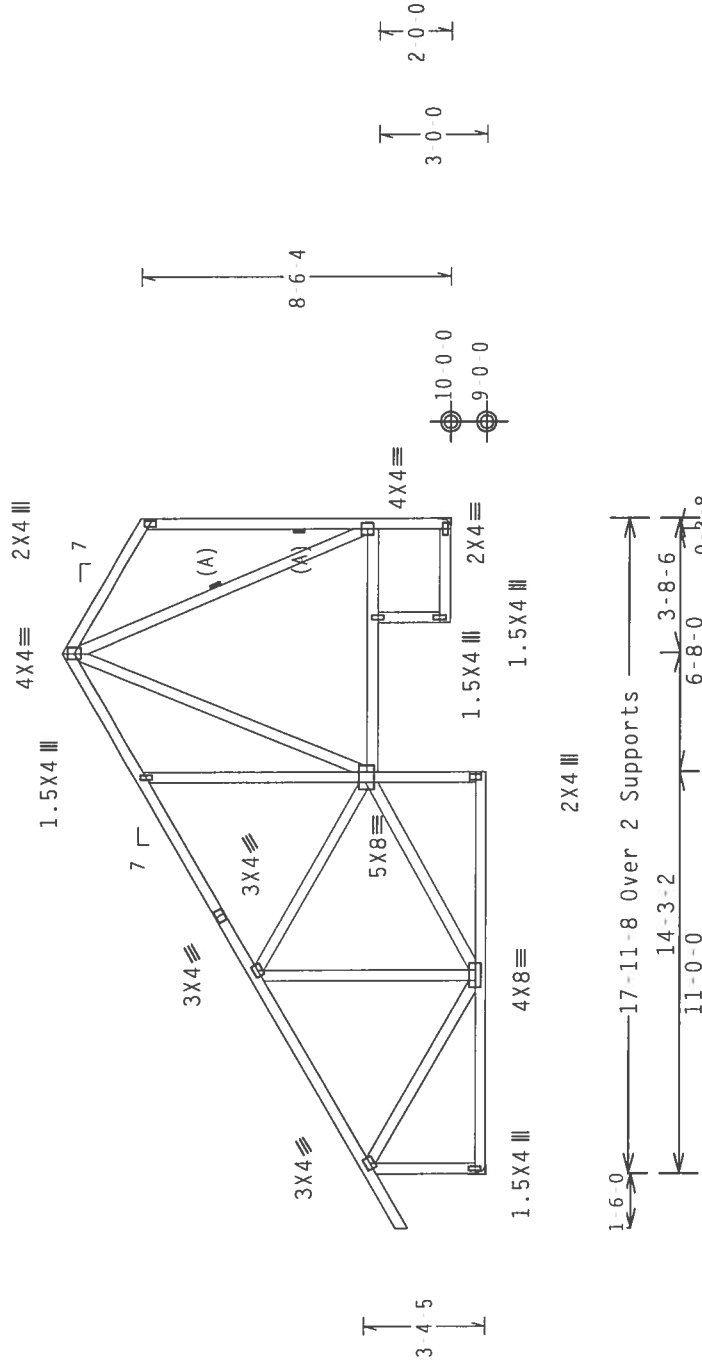
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 16.08 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

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

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



R-847 U=180 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-748 U=291 (J)

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

Scale = .1875"/Ft.

FL/-/4/-/R/-

TY:1

TC LL 20.0 PSF

REF R487 -- 21357

DATE 12/06/05

DRW HCUSR487 05340066

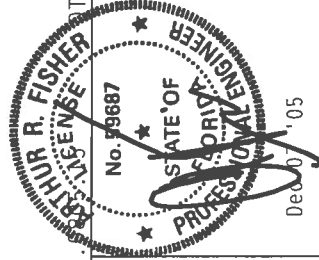
HC-ENG JB/AF

SEQN 60281

DUR.FAC. 1.25

SPACING 24.0"

JREF 1SSS487 Z05

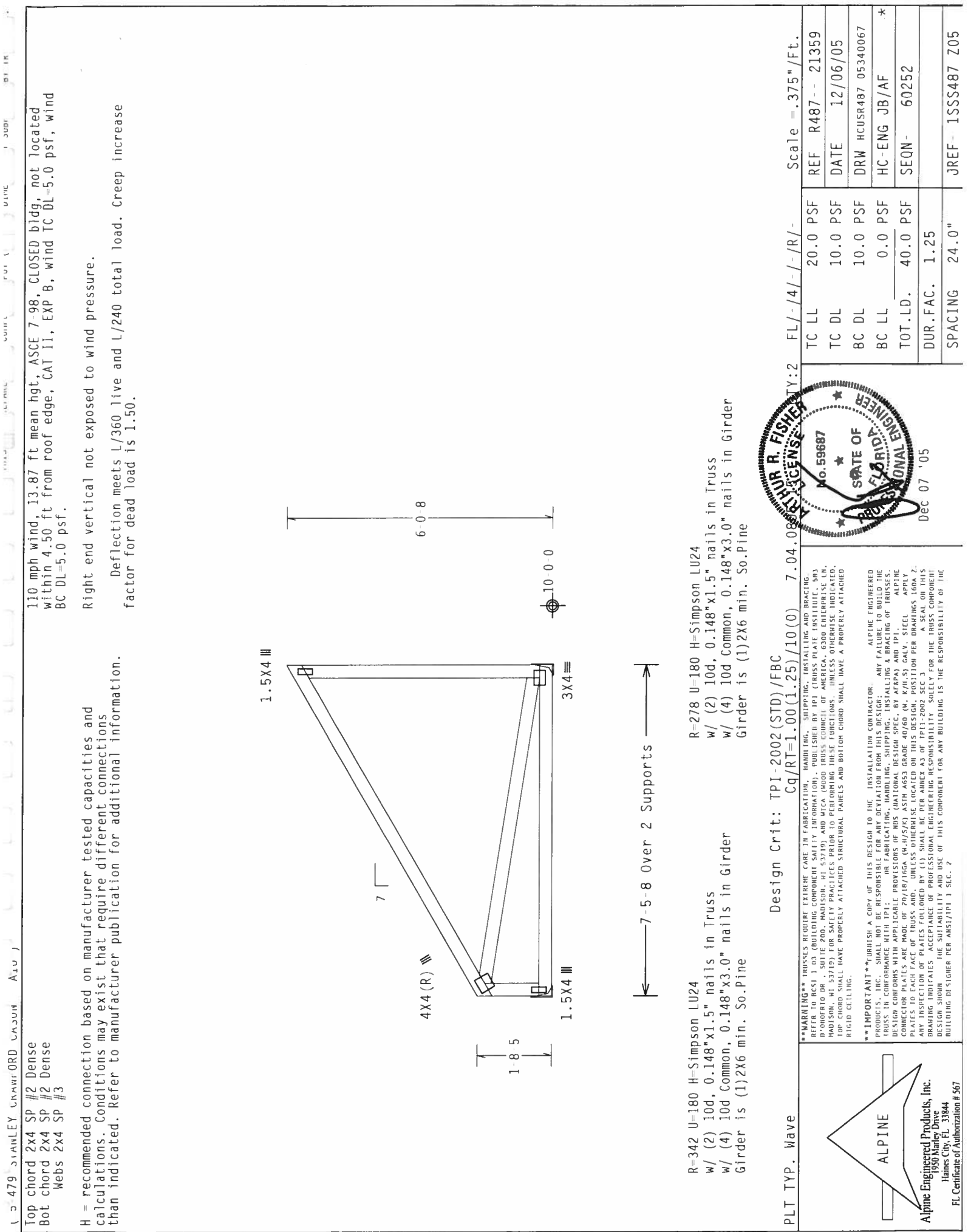


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDCON) FOR TRUSS INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ONDRIO DR., SUITE 200, MADISON, WI 53719, AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-17/SX) ASH A503 GRADE 40/60 (N-17/S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED BY TPI. TPI SHALL BE RESPONSIBLE FOR THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 567



110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

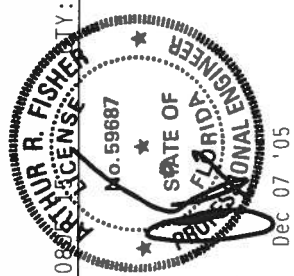
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

R=342 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=278 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)	7.04.088	Scale = .375"/Ft.
TC LL	20.0 PSF	REF	R487 -- 21359
TC DL	10.0 PSF	DATE	12/06/05
BC DL	10.0 PSF	DRW	HCUSR487 05340067
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN	60252
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SSS487 Z05



****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 METAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE PRODUCTS OR ALPINE TRUSSES SHALL BE USED. (4-1/2" X 5/8") 50K A53 GRADE 40/60 (M. K70/55) GALV. STEEL. APPLY PLATES TO EACH END OF TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TPI-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 BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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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	

SPECIAL LOADS
--- (LUMBER DUR.FAC. = 1.25 / PLATE DUR.

FAC. 1.25)

110 mph wind, 16.08 ft mean hgt., ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

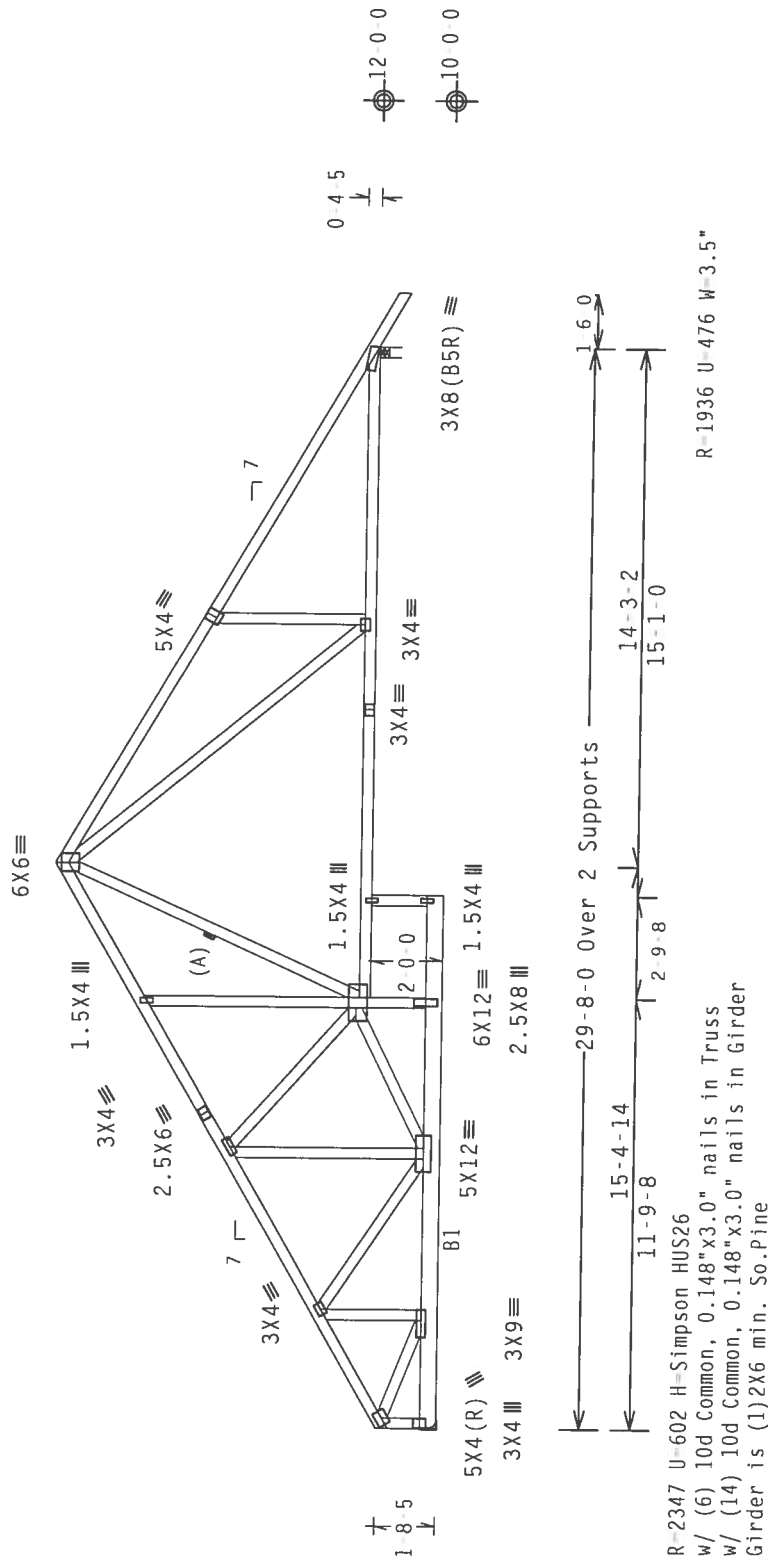
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SEE DWGS TC FILLER1103 AND BC FILLER1103 FOR FILLER DETAILS.
 Laterally brace bottom chord above filler at 24" O.C. and top
 chord under filler at 24" OC including a lateral brace at
 chord ends.

SPECIAL LOADS

TC	(LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)
BC	63 PLF at 0.00 to 63 PLF at 31.17
BC	From 20 PLF at 0.00 to 20 PLF at 29.67
PLB	From 5 PLF at 29.67 to 5 PLF at 31.17
PLB	560 LB Conc. Load at (7.52;10.04)
PLB	1155 LB Conc. Load at (11.65;10.04)

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

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$

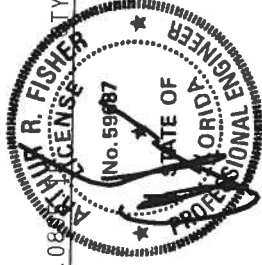
PLT TYP. Wave

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

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

Scale = .1875"/Ft.

REFER TO RCES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IFI (CRUSS PAPER INSTITUTE, 583 O'DONNELL DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD PRESSE 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.

[illegible]

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

Dec 07 '05

FL Certificate of Authorization # 567

SPACING	24.0"	JREF- 1SSS487 Z05
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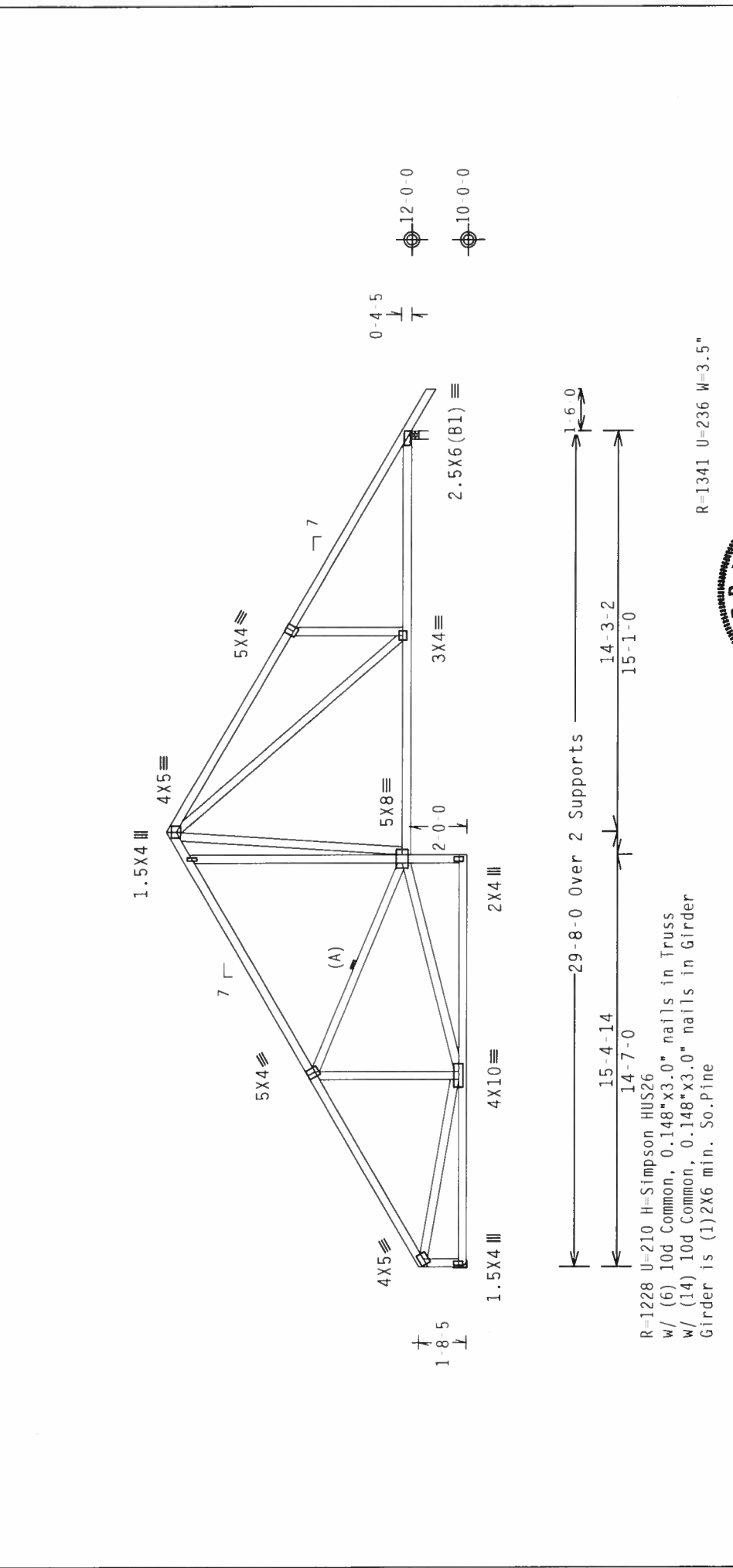
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 16.08 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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



R-1228 U=210 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

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

PLT TYP. Wave

Scale = .1875"/Ft.

REF	R487 --	21361
DATE	12/06/05	
DRW	HCUSR487	05340051
HC-ENG	JB/AF	
SEQN	59740	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1SSS487	Z05

ALPINE

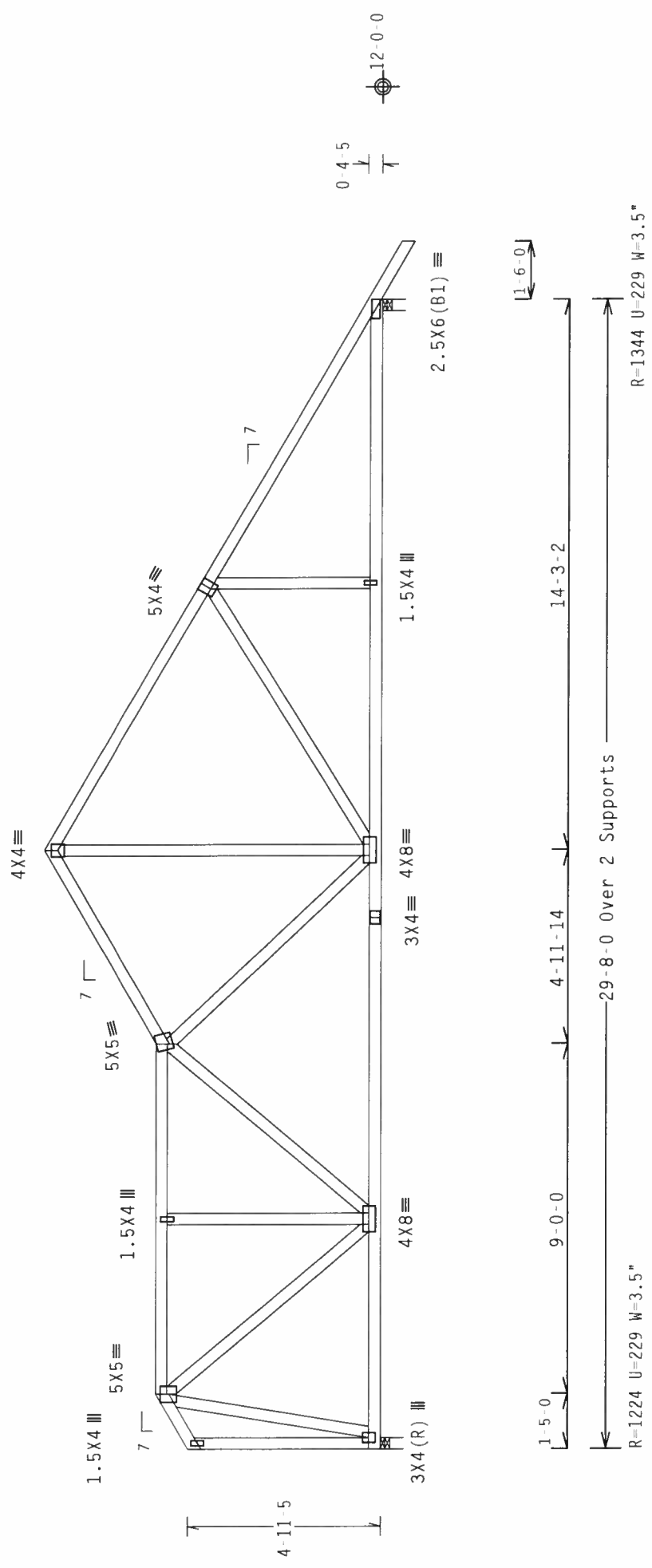
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 16.08 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical not exposed to wind pressure.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

Scale = .25"/Ft.

TC LL	20.0 PSF	REF R487 -- 21363
TC DL	10.0 PSF	DATE 12/06/05
BC DL	10.0 PSF	DRW HCUR487 05340062
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 59766
DUR.FAC.	1.25	
SPACING	24.0"	JREF 1SSS487 Z05

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

STATE OF FLORIDA

PROFESSIONAL ENGINEER

DEC 17 '05

SEAL

ALPINE ENGINEER

NO. 59687

SEAL

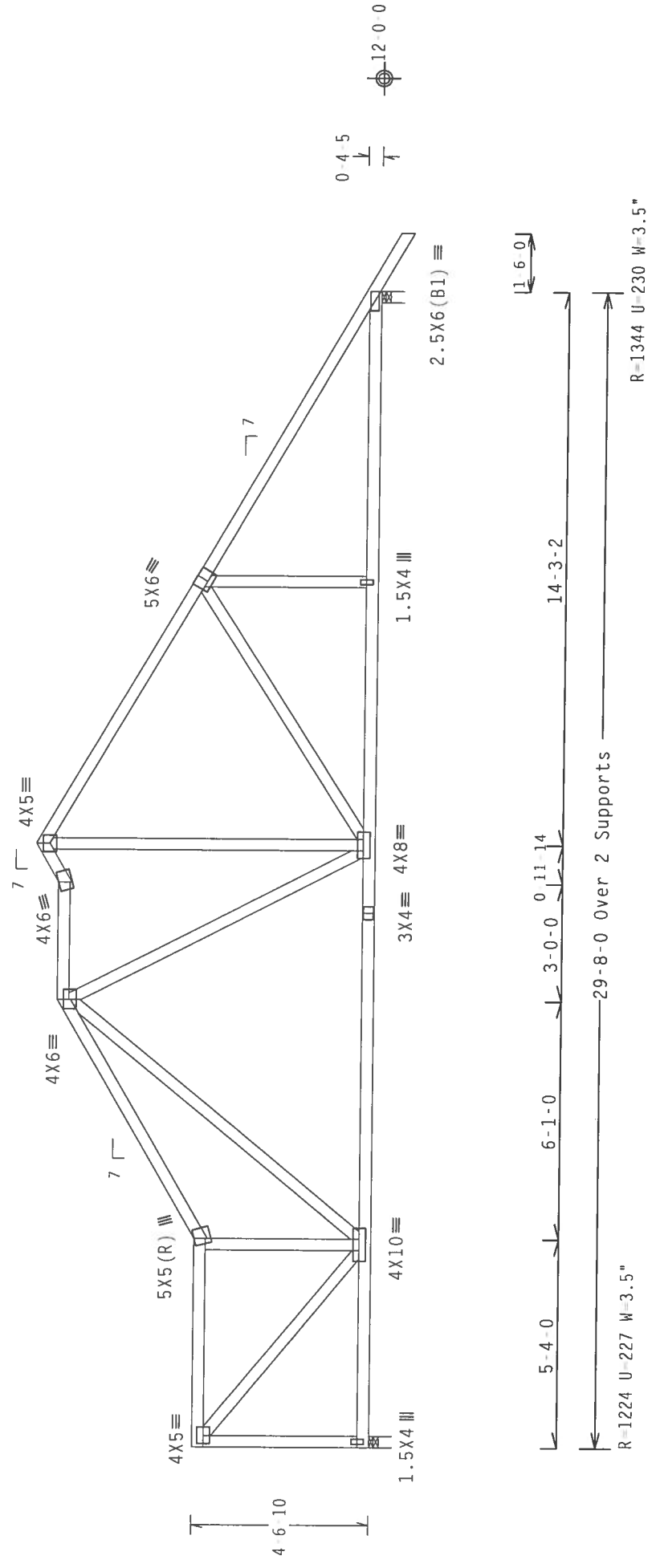
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

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

110 mph wind, 16.08 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Max JT VERT DEFLL: LL: 0.12" DL: 0.19" recommended camber 1/4"



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.04.08 Scale = .25"/Ft.

Professional Engineer Seal for Arthur R. Fisher, No. 59887, State of Florida. The seal includes the text "PROFESSIONAL ENGINEER", "STATE OF FLORIDA", and "ARTHUR R. FISHER".

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDAS DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 100, FARMINGTON, CT 06031) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR ALPINE DESIGN REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF TOS (NATIONAL DESIGN SPECIFICATION FOR TRUSSES), CONNECTOR PLATES ARE MADE OF 2010/10/16GA (W-4/5/8) ASTM A653 GRADE 40/60, BY KAYAKS AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS AND 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE logo and contact information: Alpine Engineered Products, Inc., 1950 Marley Drive, Gaines City, FL 33844. Includes a note about the FL Certificate of Authorization #567.

TC LL	20.0 PSF	REF	R487 --	21365
TC DL	10.0 PSF	DATE	12/06/05	
BC DL	10.0 PSF	DRW	HCUSR487	05340061
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	59799	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SSS487	Z05

FL Certificate of Authorization # 567
 Haines City, FL 33844

FL Certificate of Authorization # 567	Haines City, FL 33844	THE SOUNDABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWING. BUILDING DESIGNER PER ANSI/SPRI 1 SEC. 2.	SPACING 24.0"	JREF- 1SSS487_Z05
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

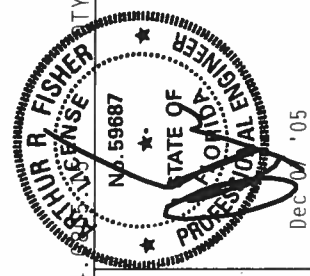
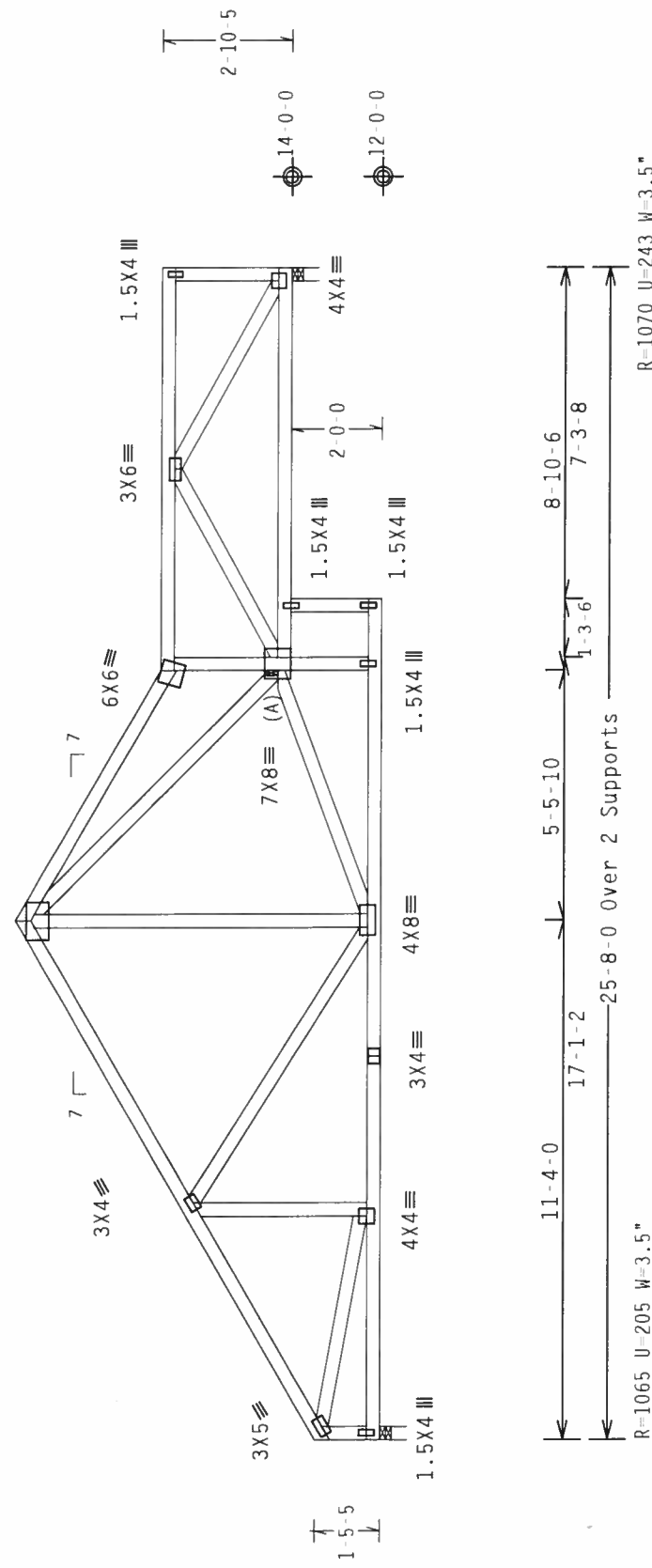
(A) Continuous lateral bracing equally spaced on member.

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

SEE DWGS TC-FILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" O.C. INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 16.75 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.04		Scale = .25" / Ft.	
	TC LL	20.0 PSF	REF	R487 -- 21369
	TC DL	10.0 PSF	DATE	12/06/05
	BC DL	10.0 PSF	DRW	HCUSR487 05340008
	BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.			SEON	59941
DUR. FAC.			1.25	
SPACING			24.0"	JREF 1SSS487 Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHUE 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2010/1066 (A-71/574) ASTM A553 GRADE 40/60 (N. 47/1-S) GALV. STEEL. APPLY 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.

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

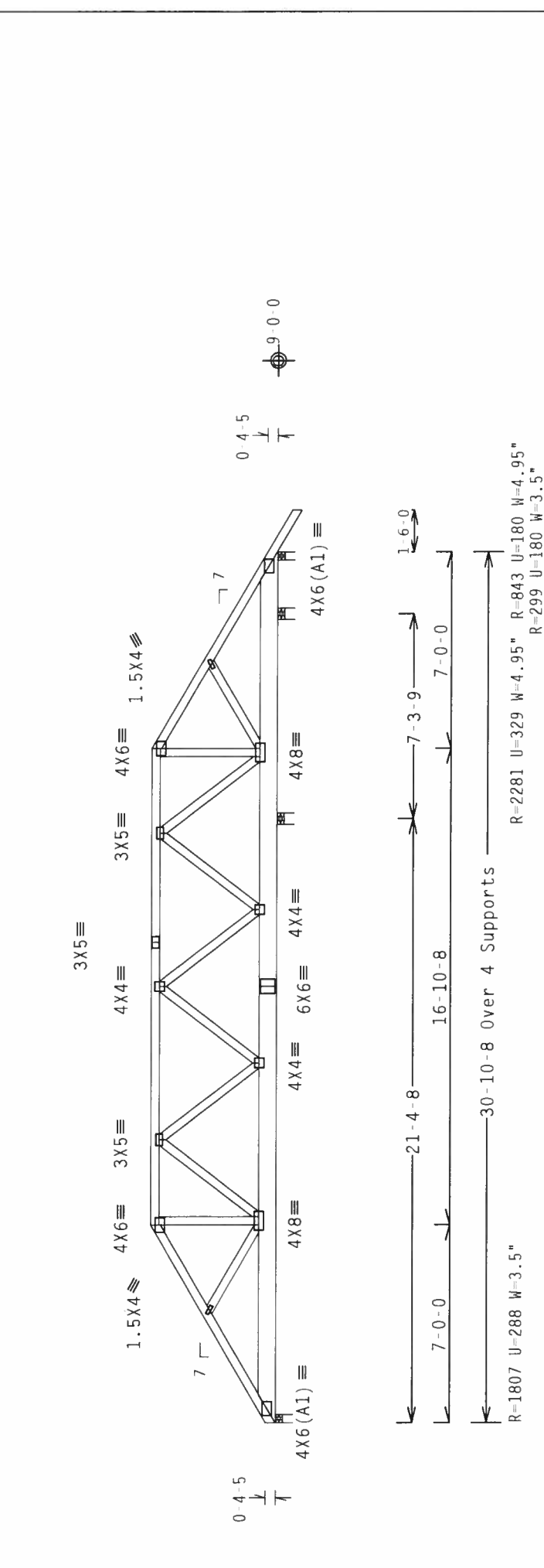
Haines City, FL 33844 FL Certificate of Authorization # 567	THE SOFTABILITY AND USE OF THIS COMPILER FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/ISO 1 SEC. 2.	SPACING 24.0"	JREF- 1SS487_Z05
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Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3

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

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

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



PLT TYP. Wave

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

Scale = .1875"/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 - 21371
DATE 12/06/05
DRW HCUSR487 05340060
HC-ENG JB/AF
SEON- 59989
JREF- 1SSS487_Z05

****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, 983 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED, (W, K/HLSS) GALT, STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI-2002 SEC. 3.1. 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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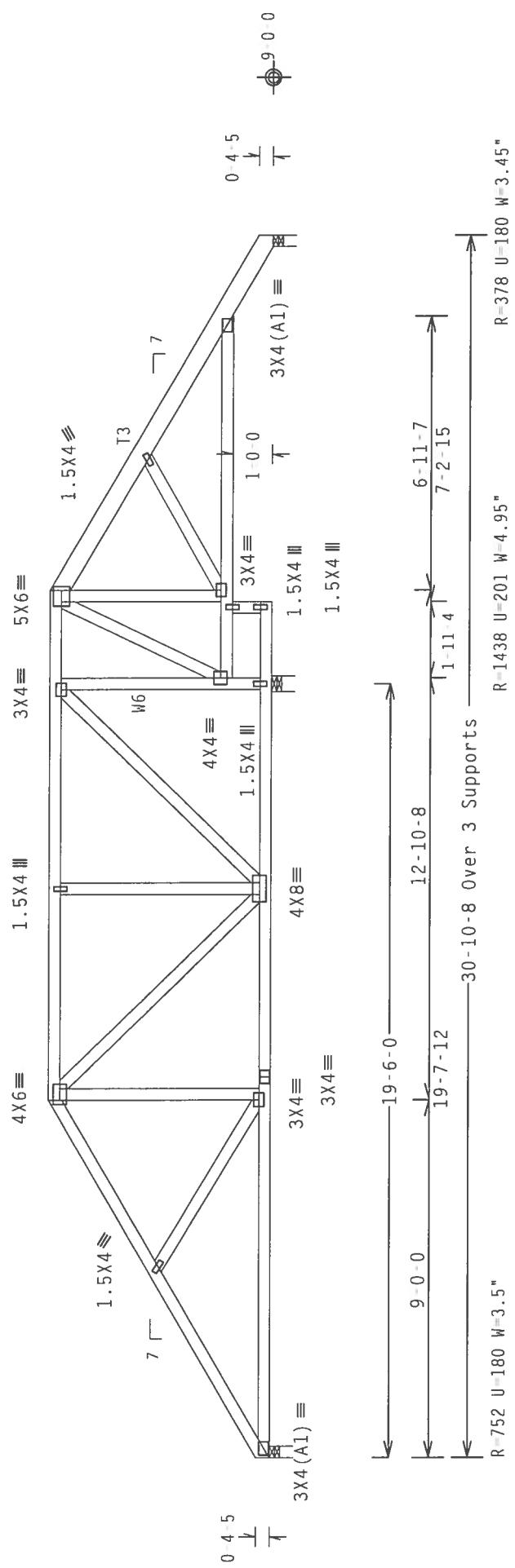
Professional Engineer
No. 59687
State of Florida
Dec 07 '05

Top chord 2x4 SP #2 Dense :T3 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

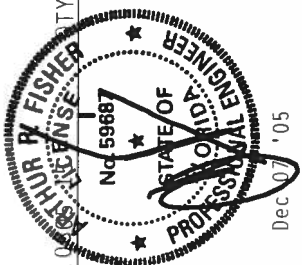
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

110 mph wind, 11.98 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



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



****WARNING**** TRUSSES REQUIRE EXERCISE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND VICA (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 AIA/ASA) AND TPI. ALPINE APPLIES TO EACH FACE OF TRUSS AND JOINTS. TRUSSES SHALL BE PERMANENTLY MARKED WITH TPI IDENTIFICATION PLATES TO EACH FACE OF TRUSS AND JOINTS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. FOR PERMANENT MARKING ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

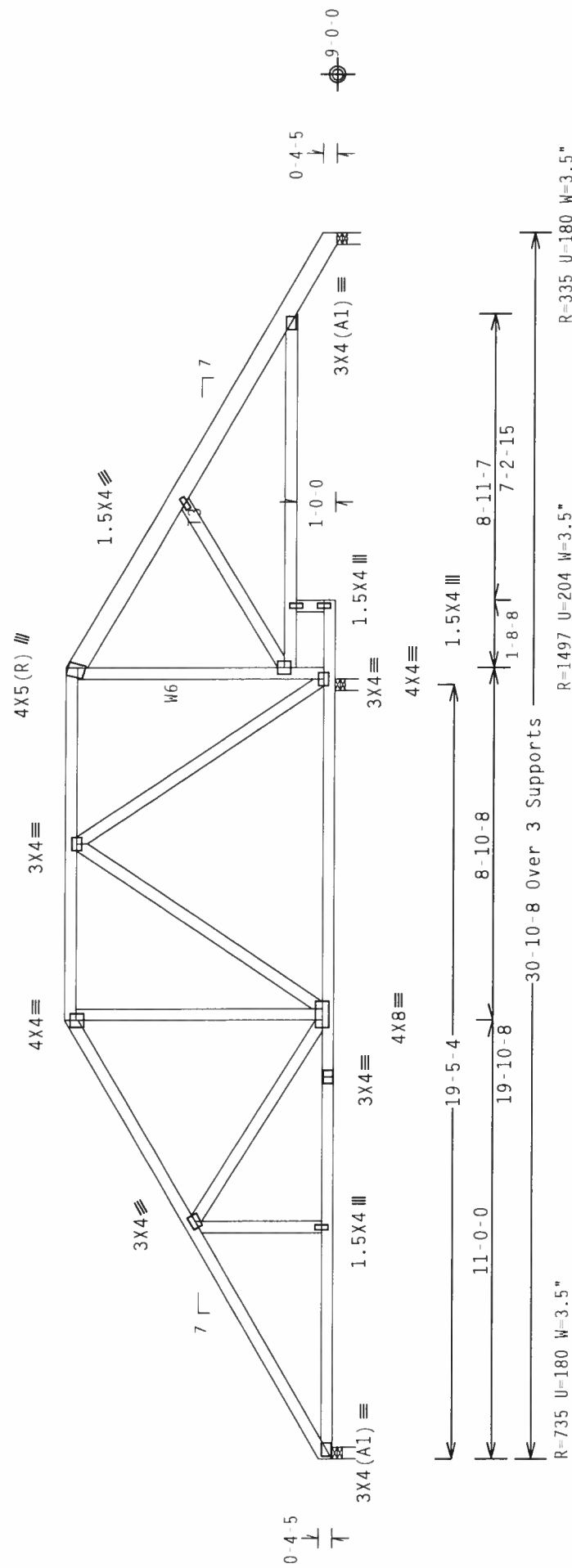
PLT TYP. Wave	TY:1	FL/-4/-/-R/-	Scale = .25"/Ft.
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TC DL	10.0 PSF	DATE	12/06/05
BC DL	10.0 PSF	DRW	HCUSR487 05340035
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	60007
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1SSS487_Z05

Top chord	2x4	SP #2	Dense	:T3	2x6	SP #2:
Bot chord	2x4	SP #2	Dense			
Webbs	2x4	SP #3	:W6	2x4	SP #2	Dense:

110 mph wind, 12.57 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

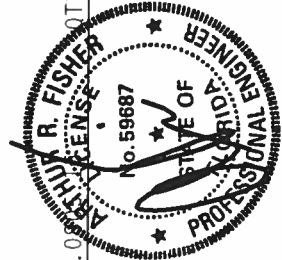
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

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

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R487 --	21373
TC DL	10.0	PSF	DATE	12/06/05	
BC DL	10.0	PSF	DRW	HCUSR487	05340056
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	60019	
DUR.FAC.	1.25				
SPACING	24.0"		JREF	1SSS487	Z05



Dec 07 '05

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE PROPERLY BRACED TO PREVENT BUCKLING OF CHORDS. SEE THE FOLLOWING FOR MORE INFORMATION. PUBLISHED BY THE (CROSS PLATE) INSTITUTE, 583 W. CONNOR ROAD, SUITE 100, CHICAGO, ILL. 60609. (773) 442-1100. FOR SALES PRICES, CONTACT THE CROSS PLATE INSTITUTE, 583 W. CONNOR ROAD, SUITE 100, CHICAGO, ILL. 60609. (773) 442-1100. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN INCHES. TOP AND BOTTOM CHORDS SHALL HAVE PROPERLY ATTACHED RIGID GUSSETING.

[illegible]

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 :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W11 2x4 SP #2 Dense:

SPECIAL LOADS
-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 12.75
TC - From 63 PLF at 12.75 to 63 PLF at 30.88
BC - From 20 PLF at 0.00 to 20 PLF at 30.87
BC - 1228 LB Conc. Load at 20.40
BC - 2347 LB Conc. Load at 22.40
BC - 342 LB Conc. Load at 24.40, 26.40
BC - 2543 LB Conc. Load at 28.40
BC - 1234 LB Conc. Load at 30.40

(A) SP #3 or better scab brace. Same size & 80% length of web member.
Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

DROP LEG NOT DESIGNED TO SUPPORT LATERAL LOADS
FROM WALL INDUCED BY WIND. PROVISIONS MUST BE
MADE TO RESIST LATERAL LOADS FROM WALL.
BUILDING DESIGNER MUST APPROVE PRIOR TO FABRICATION.

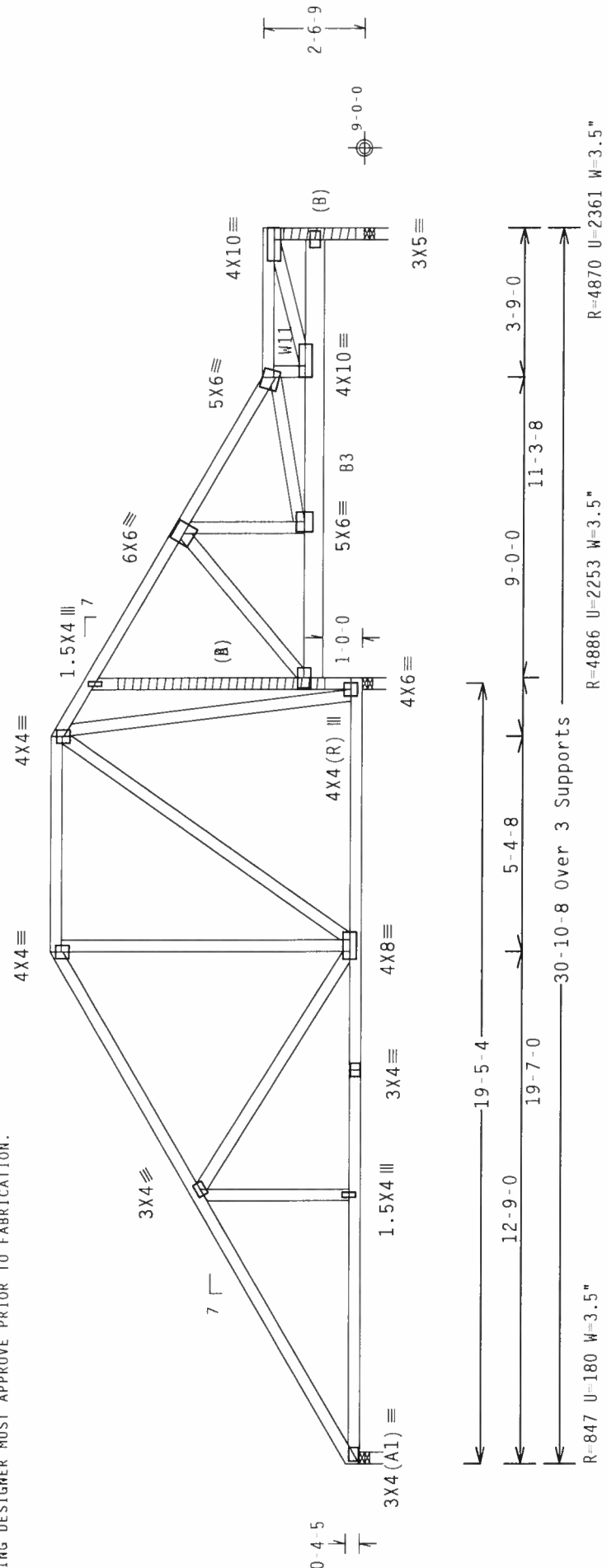
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Box_or_Gun_(0.128"x3.25", min.)_nails)
Top Chord: 1 Row @ 12.00" O.C.
Bot Chord: 1 Row @ 5.50" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Right end vertical not exposed to wind pressure.

(B) (2) SP #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.128"x3", min.) nails @ 6" OC.



R=847 U=180 W=3.5"

30'-10"-8 Over 3 Supports

R=4886 U=2253 W=3.5"

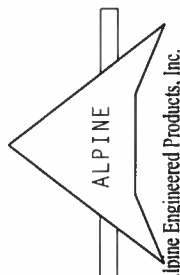
R=4870 U=2361 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.06

PLT TYP. Wave

FL/-4/-/-R/-

Scale = .25"/Ft.

 Alpine Engineering Products, Inc. 1950 Manley 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 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 193 O'DONNELL DR., SUITE 200, MADISON, WI 53719, AND WEA (WOOD ENGINEERING ASSOCIATION), 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.		TC LL	20.0 PSF	REF	R487--	21374
	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 AIAA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/18GA (W-17/57A) ASH A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION OF THE TRUSS COMPONENTS. CHECK FOR PROPER DESIGN SHOWN. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR 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.		TC DL	10.0 PSF	DATE	12/06/05	
			BC DL	10.0 PSF	DRW	HCUSR487	05340057
			BC LL	0.0 PSF	HC-ENG	JB/AF	
			TOT.LD.	40.0 PSF	SEON-	60396	
		DUR.FAC.	1.25				
		SPACING	24.0"				
		JREF	1SSS487_Z05				

Top chord 2x6 SP #1 Dense :T2 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4 2x6 SP #3:
:Rt Bearing Leg 2x4 SP #3:

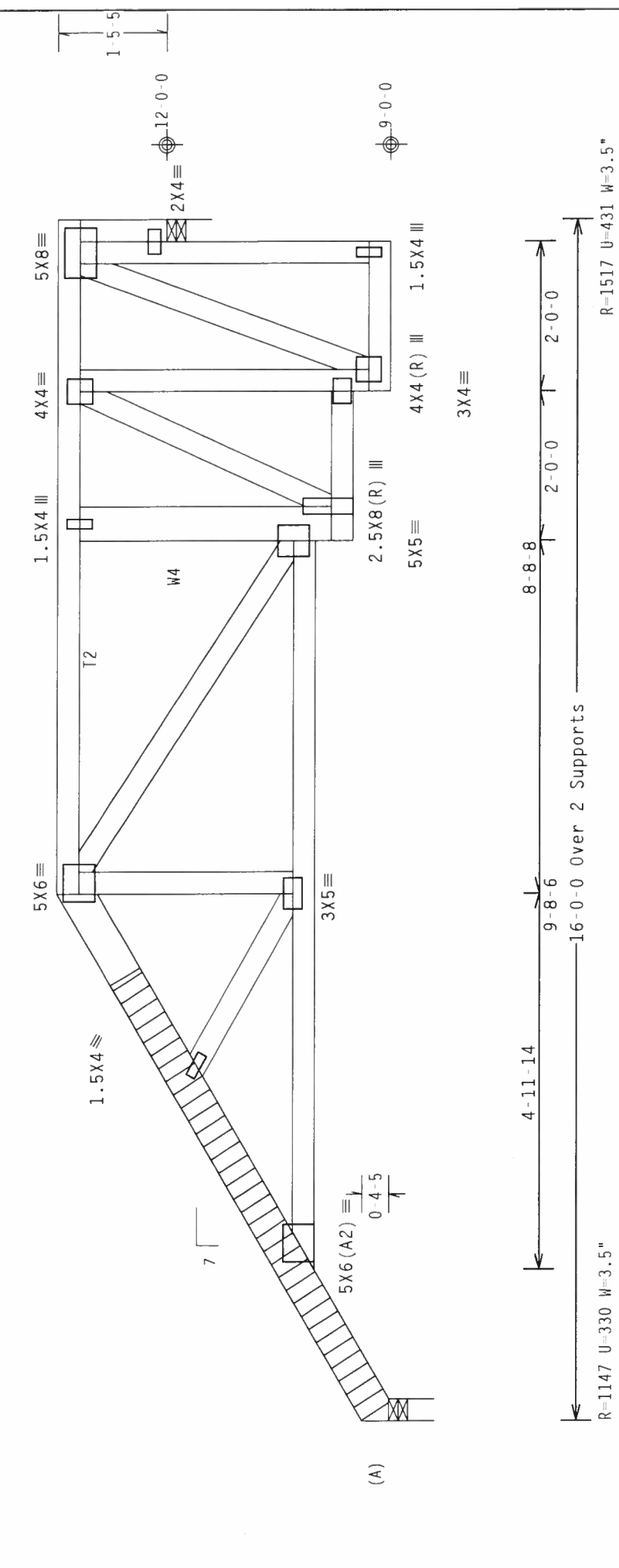
Calculated horizontal deflection is 0.10" due to live load and 0.17" due to dead load.

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

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

Right end vertical not exposed to wind pressure.
#1 hip supports 7'-0" jacks W/2 panel IC and no end vert.

(A) (1) 2x6x6-10 8 SP #1 Dense scab at left end. Attach scab to face of chord with: 12d Box or Gun (0.128"x3.25" min.) nails @ 8" OC, plus additional nail clusters at: BRG.: (5), heel: (8), 1st panel point: (4).



PLT TYP. Wave

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

Scale = .5"/Ft.

REF	R487--	21375
DATE	12/06/05	
DRW	HCUSR487	05340013
HC-ENG	JB/AF	
SEON-	60146	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF-	1SSS487_Z05	

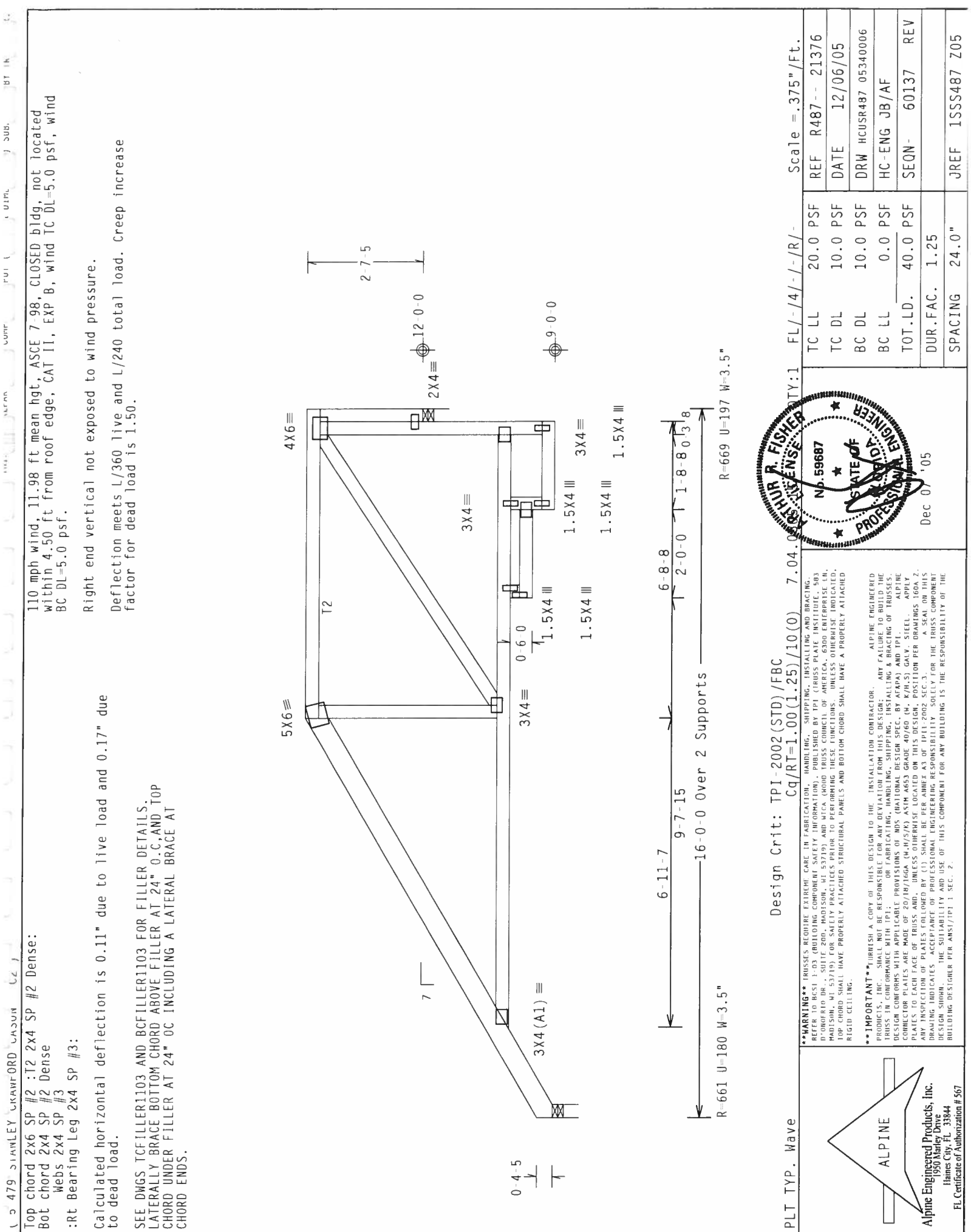
ALPINE

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

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Dec 7 '05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST L.O.3 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, TRUSSES, ALPINE, 1000 ENTERPRISE BL, MADISON, MI 48061, (734) 937-1919, AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (44-H/S) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ADVISING LOCATION PLATES FOLLOWED BY (C) SHALL BE PER AISC A5.10-2002, SEC.3. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S RESPONSIBILITY FOR THE TRUSS COMPONENT. DESIGN SHOWN THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

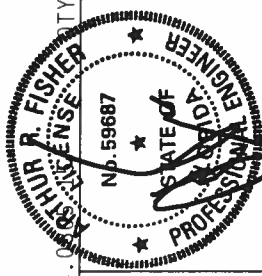


110 mph wind, 11.98 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Calculated horizontal deflection is 0.11" due to live load and 0.17" due to dead load.

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



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

TC LL	20.0 PSF	REF	R487--	21376
TC DL	10.0 PSF	DATE	12/06/05	
BC DL	10.0 PSF	DRW	HCUSR487	05340006
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	60137	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SSS487	Z05

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 1003 D'ORFORD DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/106A (W-M/5/3) ASTM A653 GRADE 40/60 (W. K/M-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. A SEAL ON THIS DESIGN INDICATES THE SUFFICIENCY 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

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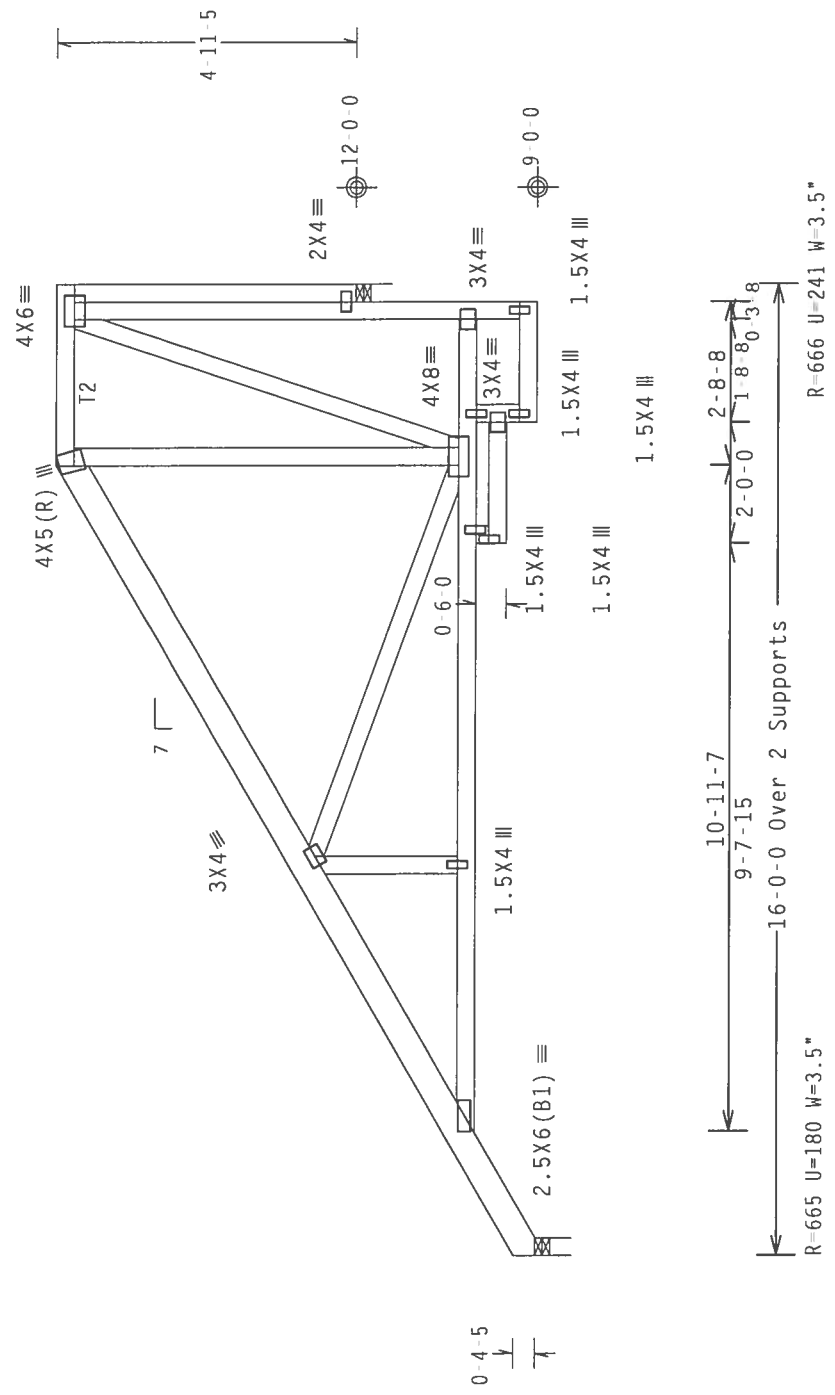
Top chord 2x6 SP #1 Dense :T2 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

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

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

110 mph wind, 13.15 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Right end vertical not exposed to wind pressure.

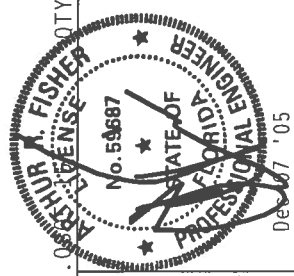


Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

PLT TYP. Wave	Scale = .3125" / Ft.
REF R487-- 21378	TC LL 20.0 PSF
DATE 12/06/05	TC DL 10.0 PSF
DRW HCUSR487 05340015	BC DL 10.0 PSF
HC-ENG JB/AF	BC LL 0.0 PSF
SEQN- 60179 REV	TOT.LD. 40.0 PSF
DUR.FAC. 1.25	
SPACING 24.0"	
JREF- 1SSS487_Z05	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORFORD DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6100 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 CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTIONS ARE MADE OF 2016/1678GA (41/41/5/5) ASH A553 GRADE 40/60 (41/41/5/5) GALV. STEEL. APPLY THE FOLLOWING CONNECTION PER DRWG. 2016/1678GA (41/41/5/5) ASH A553 GRADE 40/60 (41/41/5/5) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE SAME AS OF TPI 2002 SPEC. FOR TRUSS CONNECTIONS. 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.

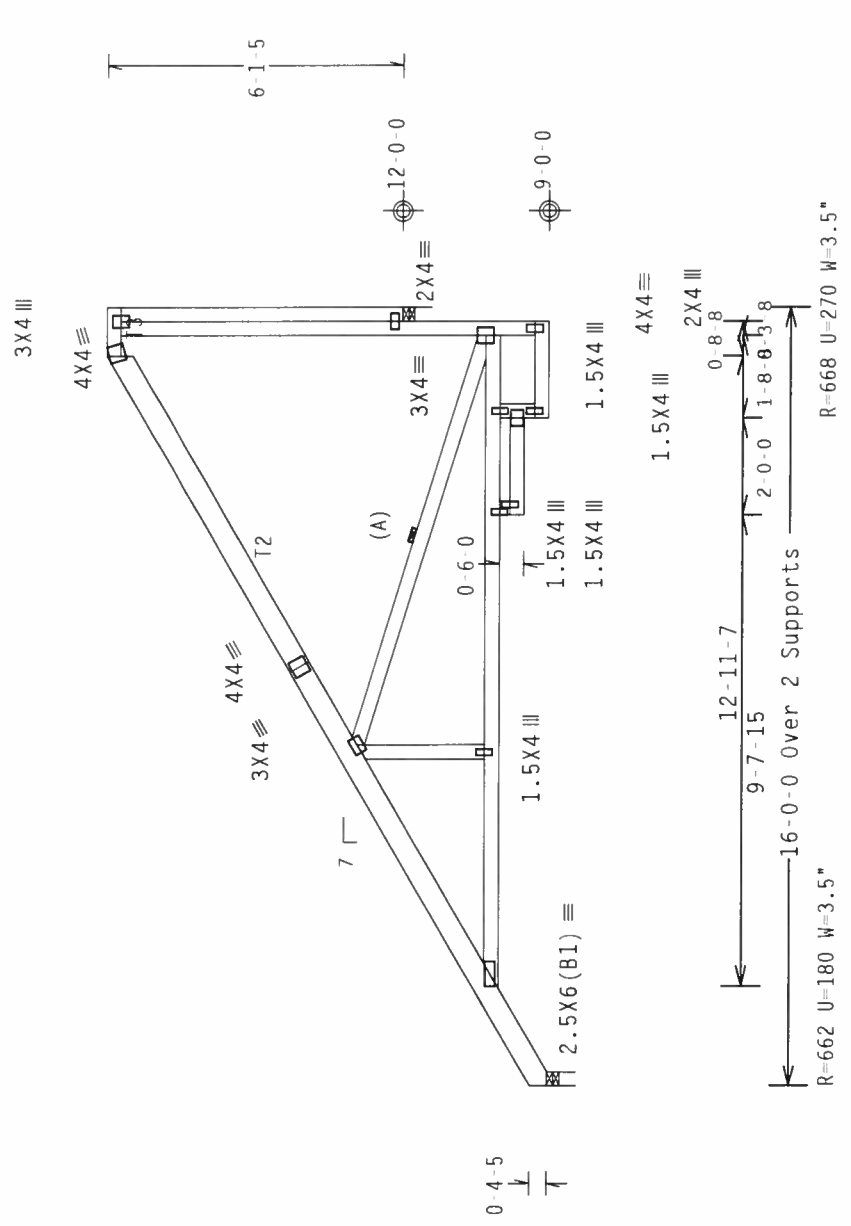


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Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x6 SP #1 Dense :T2 2x6 SP #2:
:T3 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

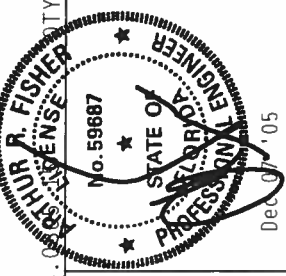
(A) Continuous lateral bracing equally spaced on member.
SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP
CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT
CHORD ENDS.

110 mph wind, 13.73 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.
Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.05



****WARNING**** TRUSSES REQUIRE EXTERIOR CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST 1-03 (BUILDING COMPONENT SAFETY), RCST 1-04 (BUILDING COMPONENT SAFETY), RCST 1-05 (BUILDING COMPONENT SAFETY), RCST 1-06 (BUILDING COMPONENT SAFETY), RCST 1-07 (BUILDING COMPONENT SAFETY), RCST 1-08 (BUILDING COMPONENT SAFETY), RCST 1-09 (BUILDING COMPONENT SAFETY), RCST 1-10 (BUILDING COMPONENT SAFETY), RCST 1-11 (BUILDING COMPONENT SAFETY), RCST 1-12 (BUILDING COMPONENT SAFETY), RCST 1-13 (BUILDING COMPONENT SAFETY), RCST 1-14 (BUILDING COMPONENT SAFETY), RCST 1-15 (BUILDING COMPONENT SAFETY), RCST 1-16 (BUILDING COMPONENT SAFETY), RCST 1-17 (BUILDING COMPONENT SAFETY), RCST 1-18 (BUILDING COMPONENT SAFETY), RCST 1-19 (BUILDING COMPONENT SAFETY), RCST 1-20 (BUILDING COMPONENT SAFETY), RCST 1-21 (BUILDING COMPONENT SAFETY), RCST 1-22 (BUILDING COMPONENT SAFETY), RCST 1-23 (BUILDING COMPONENT SAFETY), RCST 1-24 (BUILDING COMPONENT SAFETY), RCST 1-25 (BUILDING COMPONENT SAFETY), RCST 1-26 (BUILDING COMPONENT SAFETY), RCST 1-27 (BUILDING COMPONENT SAFETY), RCST 1-28 (BUILDING COMPONENT SAFETY), RCST 1-29 (BUILDING COMPONENT SAFETY), RCST 1-30 (BUILDING COMPONENT SAFETY), RCST 1-31 (BUILDING COMPONENT SAFETY), RCST 1-32 (BUILDING COMPONENT SAFETY), RCST 1-33 (BUILDING COMPONENT SAFETY), RCST 1-34 (BUILDING COMPONENT SAFETY), RCST 1-35 (BUILDING COMPONENT SAFETY), RCST 1-36 (BUILDING COMPONENT SAFETY), RCST 1-37 (BUILDING COMPONENT SAFETY), RCST 1-38 (BUILDING COMPONENT SAFETY), RCST 1-39 (BUILDING COMPONENT SAFETY), RCST 1-40 (BUILDING COMPONENT SAFETY), RCST 1-41 (BUILDING COMPONENT SAFETY), RCST 1-42 (BUILDING COMPONENT SAFETY), RCST 1-43 (BUILDING COMPONENT SAFETY), RCST 1-44 (BUILDING COMPONENT SAFETY), RCST 1-45 (BUILDING COMPONENT SAFETY), RCST 1-46 (BUILDING COMPONENT SAFETY), RCST 1-47 (BUILDING COMPONENT SAFETY), RCST 1-48 (BUILDING COMPONENT SAFETY), RCST 1-49 (BUILDING COMPONENT SAFETY), RCST 1-50 (BUILDING COMPONENT SAFETY), RCST 1-51 (BUILDING COMPONENT SAFETY), RCST 1-52 (BUILDING COMPONENT SAFETY), RCST 1-53 (BUILDING COMPONENT SAFETY), RCST 1-54 (BUILDING COMPONENT SAFETY), RCST 1-55 (BUILDING COMPONENT SAFETY), RCST 1-56 (BUILDING COMPONENT SAFETY), RCST 1-57 (BUILDING COMPONENT SAFETY), RCST 1-58 (BUILDING COMPONENT SAFETY), RCST 1-59 (BUILDING COMPONENT SAFETY), RCST 1-60 (BUILDING COMPONENT SAFETY), RCST 1-61 (BUILDING COMPONENT SAFETY), RCST 1-62 (BUILDING COMPONENT SAFETY), RCST 1-63 (BUILDING COMPONENT SAFETY), RCST 1-64 (BUILDING COMPONENT SAFETY), RCST 1-65 (BUILDING COMPONENT SAFETY), RCST 1-66 (BUILDING COMPONENT SAFETY), RCST 1-67 (BUILDING COMPONENT SAFETY), RCST 1-68 (BUILDING COMPONENT SAFETY), RCST 1-69 (BUILDING COMPONENT SAFETY), RCST 1-70 (BUILDING COMPONENT SAFETY), RCST 1-71 (BUILDING COMPONENT SAFETY), RCST 1-72 (BUILDING COMPONENT SAFETY), RCST 1-73 (BUILDING COMPONENT SAFETY), RCST 1-74 (BUILDING COMPONENT SAFETY), RCST 1-75 (BUILDING COMPONENT SAFETY), RCST 1-76 (BUILDING COMPONENT SAFETY), RCST 1-77 (BUILDING COMPONENT SAFETY), RCST 1-78 (BUILDING COMPONENT SAFETY), RCST 1-79 (BUILDING COMPONENT SAFETY), RCST 1-80 (BUILDING COMPONENT SAFETY), RCST 1-81 (BUILDING COMPONENT SAFETY), RCST 1-82 (BUILDING COMPONENT SAFETY), RCST 1-83 (BUILDING COMPONENT SAFETY), RCST 1-84 (BUILDING COMPONENT SAFETY), RCST 1-85 (BUILDING COMPONENT SAFETY), RCST 1-86 (BUILDING COMPONENT SAFETY), RCST 1-87 (BUILDING COMPONENT SAFETY), RCST 1-88 (BUILDING COMPONENT SAFETY), RCST 1-89 (BUILDING COMPONENT SAFETY), RCST 1-90 (BUILDING COMPONENT SAFETY), RCST 1-91 (BUILDING COMPONENT SAFETY), RCST 1-92 (BUILDING COMPONENT SAFETY), RCST 1-93 (BUILDING COMPONENT SAFETY), RCST 1-94 (BUILDING COMPONENT SAFETY), RCST 1-95 (BUILDING COMPONENT SAFETY), RCST 1-96 (BUILDING COMPONENT SAFETY), RCST 1-97 (BUILDING COMPONENT SAFETY), RCST 1-98 (BUILDING COMPONENT SAFETY), RCST 1-99 (BUILDING COMPONENT SAFETY), RCST 1-100 (BUILDING COMPONENT SAFETY).

TC LL	20.0 PSF	FL/-/4/-/-/R/-	Scale = .25"/ft.
TC DL	10.0 PSF		REF R487 - 21379
BC DL	10.0 PSF		DATE 12/06/05
BC LL	0.0 PSF		DRW HCUSR487 05340016
TOT.LD.	40.0 PSF		HC-ENG JB/AF
DUR.FAC.	1.25		SEQN - 60192 REV
SPACING	24.0"		JREF 1SSS487 Z05

ALPINE

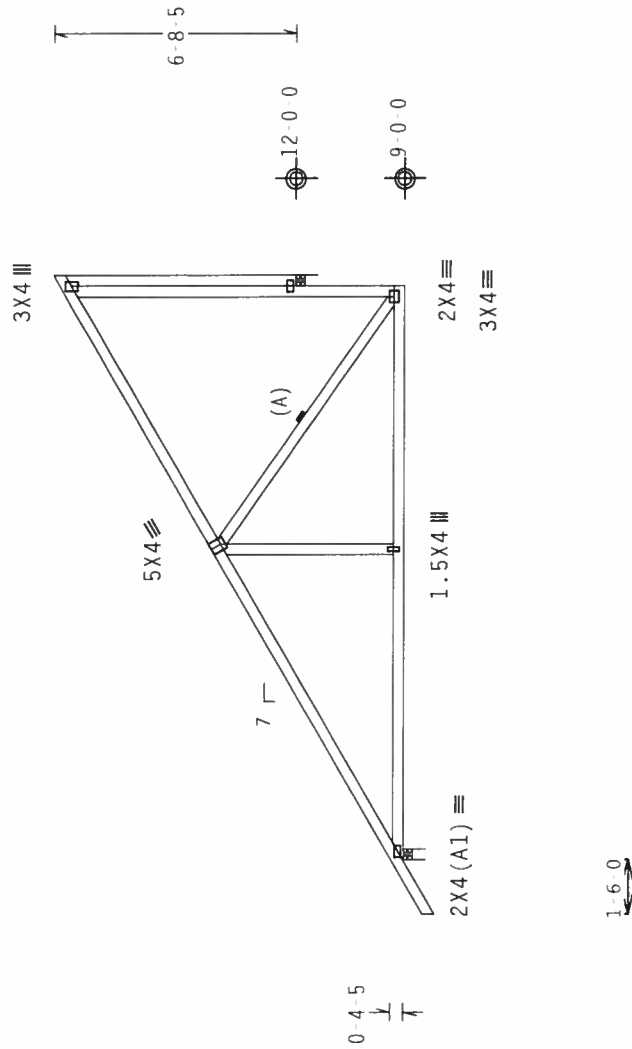
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 13.59 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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



← 16-0-0 Over 2 Supports →
R=763 U=180 W=3.5"
R=662 U=276 W=3.5"

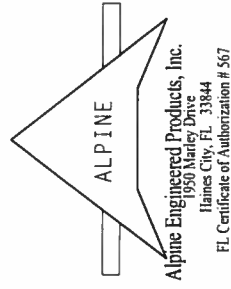
Design Crit: $\text{TPI}-2002(\text{STD})/\text{FBC}$
 $\text{Ca}/\text{RT}=1.00(1.25)/$

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 -- 21380
TC DL	10.0 PSF	DATE	12/06/05
BC DL	10.0 PSF	DRW	HCUSR487 05340017
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	59535
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SSS487 Z05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-003 (BUILDING COMPONENT SAFETY AND MICA (WOOD TRUSS COMPANY), PUBLISHED BY IPIC (TRUSS PLATE INSTALLER), 593 MADISON AVE., SUITE 100, MADISON, WI 53703) FOR ADDITIONAL INFORMATION. TRUSSES MUST BE PROPERLY IDENTIFIED, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR AND THE ALPHINE ENGINEERS PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1. ALPHINE TRUSSES SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF TPI1. ALL TRUSS JOINTS SHALL BE 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 ANEX A.3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURED IN ACCORDANCE WITH THE USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANEX TPI1 1.1.2.

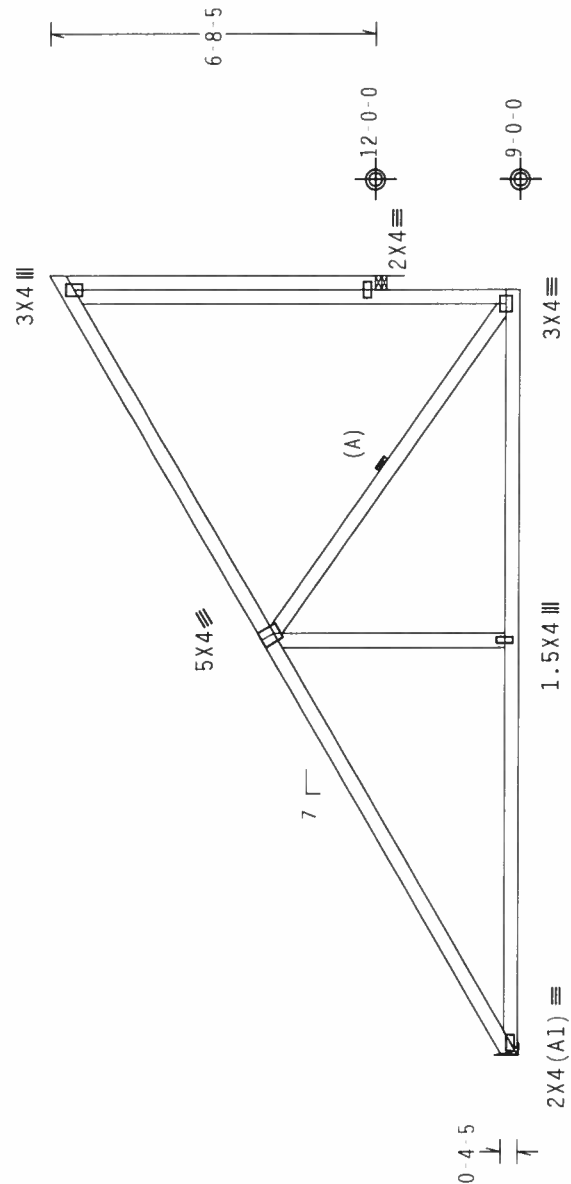


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

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

Right end vertical not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.

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



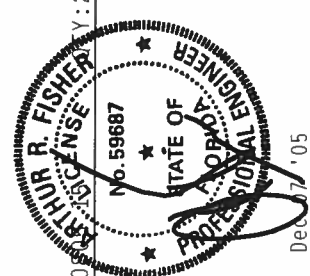
16'-0"-0" Over 2 Supports

R-662 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-662 U=287 W=3.5"

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

Scale = .25"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ONOFIO 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 APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (24/18/16) ASTM A653 GRADE 40/60 (40/60) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY THE FOLLOWING: 1. THE TRUSS SHALL BE ASSEMBLED IN ACCORDANCE WITH THE DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY 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
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FL Certificate of Authorization # 567

PLT TYP. Wave

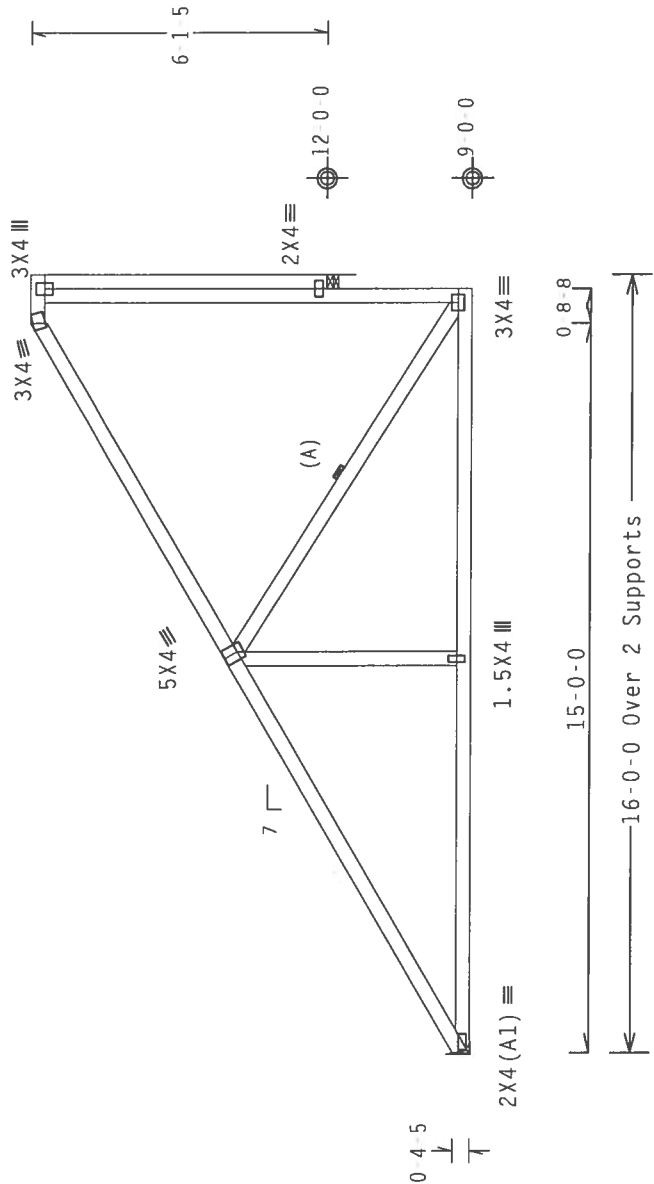
TC LL	20.0 PSF	FL / - / 4 / - / - / R / -
TC DL	10.0 PSF	
BC DL	10.0 PSF	
BC LL	0.0 PSF	
TOT. LD.	40.0 PSF	
DUR. FAC.	1.25	
SPACING	24.0"	

JREF - 1SSS487_Z05

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

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

Right end vertical not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

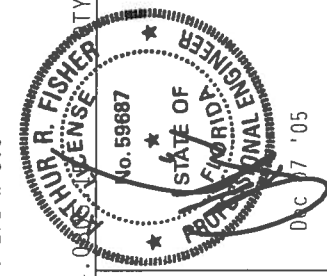


R-662 U=180 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-663 U=271 W=3.5"

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

Scale = .25"/Ft.



****WARNING**** TRUSSES REQUIRE EXISTING CARL IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 1000 RICH DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA) 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/18716GA (N-11/57/6) WITH A653 GRADE 40/40 (N. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY SHOWN UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 100A 2. DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY. 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	FL/-/4/-/1-/R/-
TC DL	10.0 PSF	
BC DL	10.0 PSF	
BC LL	0.0 PSF	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	

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1950 Mailey Drive
Haines City, FL 33844
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Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.


$$Ca/RT = 1.00(1.25)/10(0) \quad 7$$

****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 DESIGN IN COMPLIANCE WITH THE ORDER FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSS DESIGN IS THE SOLE RESPONSIBILITY OF THE PROVIDER AND LOCAL DESIGN SHOP. IF AIRWAYS AND ALUMINUM ALPHABET CONNECTOR PLATES ARE MADE OF 70/30/Zn/MG OR 60/40/Zn/AL/CU SYSTEMS, THEN THE PROVIDER MUST INSURE THAT ALL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED IN THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PTP APPX A3 OF IPT1 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING 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.

Haines City, FL 33844
FL Certificate of Authorization # 567

FL / - / 4 / - - / R / -	Scale = .3125" / Ft.	
TC LL	20.0 PSF	REF R487 - - 21383
TC DL	10.0 PSF	DATE 12/06/05
BC DL	10.0 PSF	DRW HCURS487 05340031
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN 59509
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SSS487 Z05

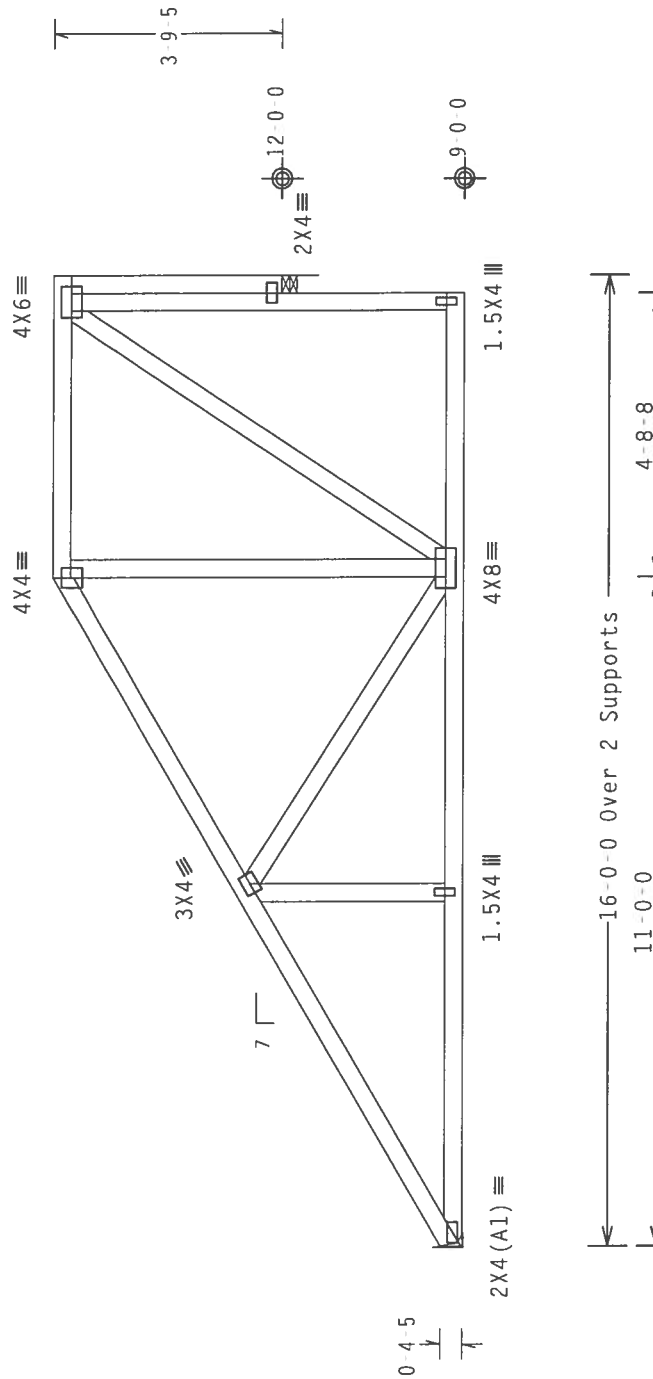
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

110 mph wind, 12.57 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

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



R=663 U=180 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=662 11-218 W=3.5"

Design Crit: TPI-2002(STD)/FBC

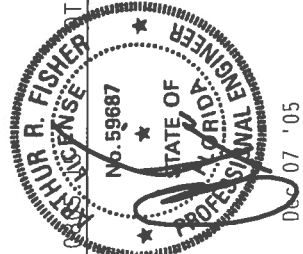
$$C\alpha/RT=1.00(1.25)/10(0)$$

Scale = .3125"/Ft.

PLT TYP. Wave

TC LL	20.0	PSF	REF R487 - 21384
TC DL	10.0	PSF	DATE 12/06/05
BC DL	10.0	PSF	DRW HCUSR487 05340030
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 59499
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SS487_Z05

*****WARNING***** THESE REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE 865.3 (BUILDING CODE SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH DEARBORN STREET, CHICAGO, ILL. 60610-4001. SEE 865.3 (BUILDING CODE SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH DEARBORN STREET, CHICAGO, ILL. 60610-4001. FOR SAFETY PRACTICES PRIOR TO ERECTION, SEE 865.3 (BUILDING CODE SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH DEARBORN STREET, CHICAGO, ILL. 60610-4001. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRACING.

[illegible]

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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

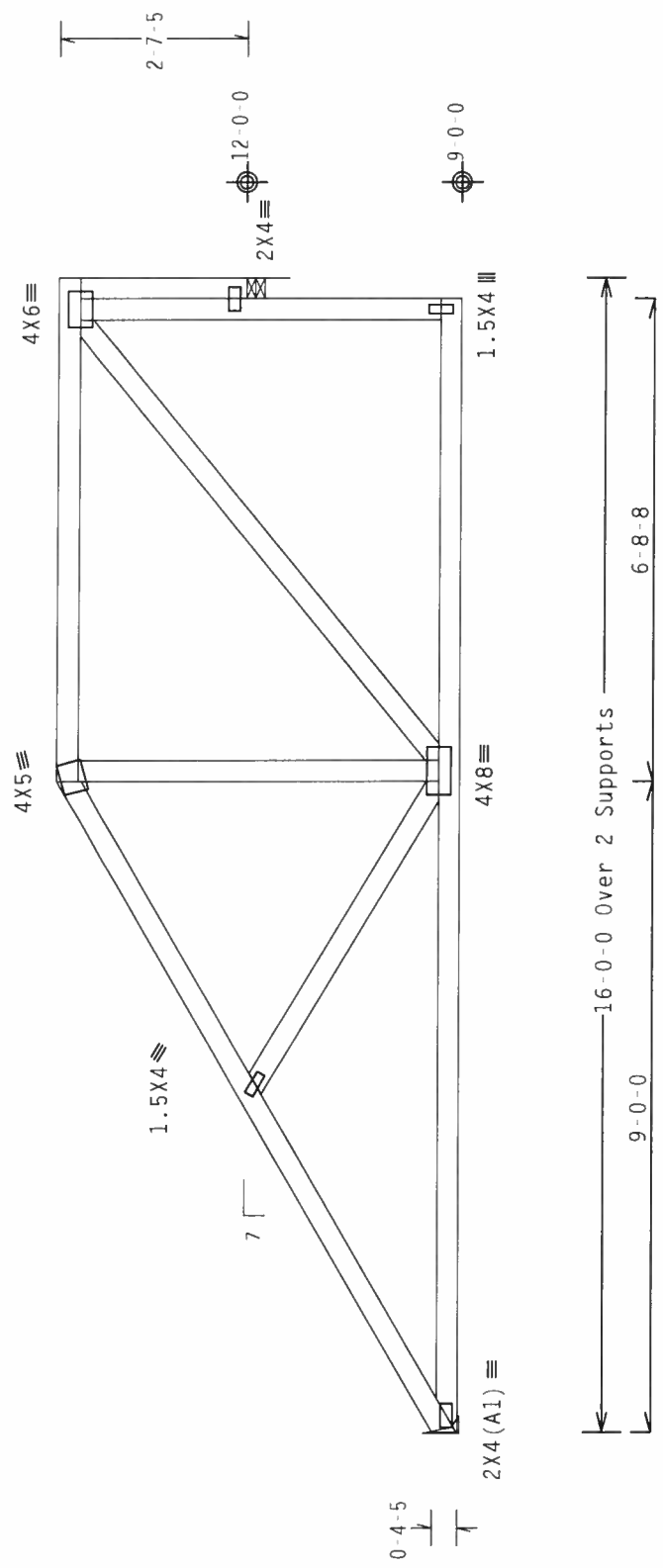
FL Certificate of Authorization # 567
Tallahassee, FL 32304

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

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

110 mph wind, 11.98 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

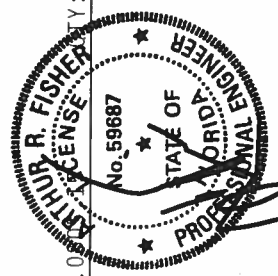
Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R-662 U=180 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-662 U=196 W-3.5"

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0



Scale = .375" / Ft.	REF R487 -- 21385
TC LL 20.0 PSF	DATE 12/06/05
TC DL 10.0 PSF	DRW HCUSR487 05340029
BC DL 10.0 PSF	HC-ENG JB/AF
BC LL 0.0 PSF	SEQN - 59490
TOT.LD. 40.0 PSF	DUR.FAC. 1.25
SPACING 24.0"	JREF 1SSS487 Z05

****WARNING**** TRUSSES REQUIRE EXERCISE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 LU26 (RIGID CEILING) 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 TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI1. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-11/5/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN THE SUFFICIENCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANS/1011 SEC. 7.

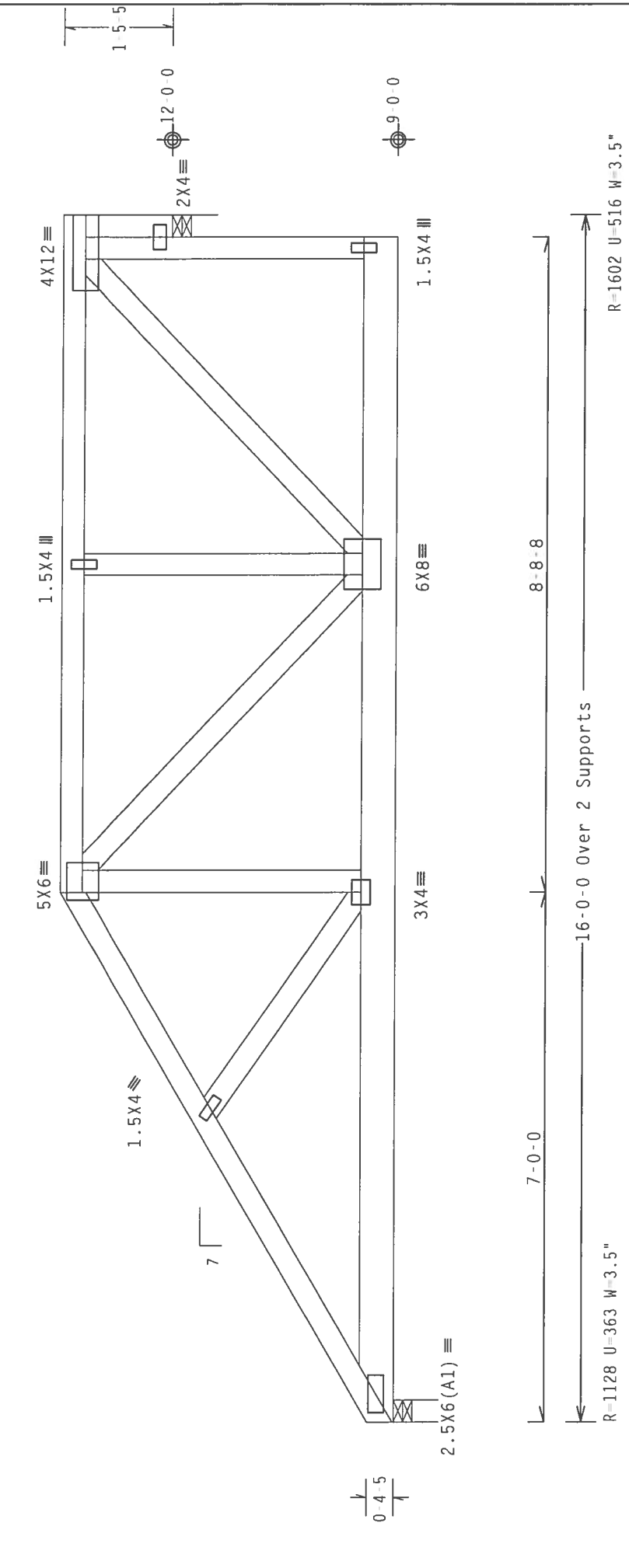
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 9.00
TC - From 132 PLF at 9.00 to 132 PLF at 16.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.00
BC - From 44 PLF at 9.00 to 44 PLF at 16.00
BC - 751 LB Conc. Load at 9.00

110 mph wind, 11.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave

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

Scale = .5"/Ft.

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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 - 21386
DATE	12/06/05
DRW	HCUSR487 05340004
HC-ENG	JB/AF
SEON	59481
JREF	1SSS487 205

Dec 27 '05

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

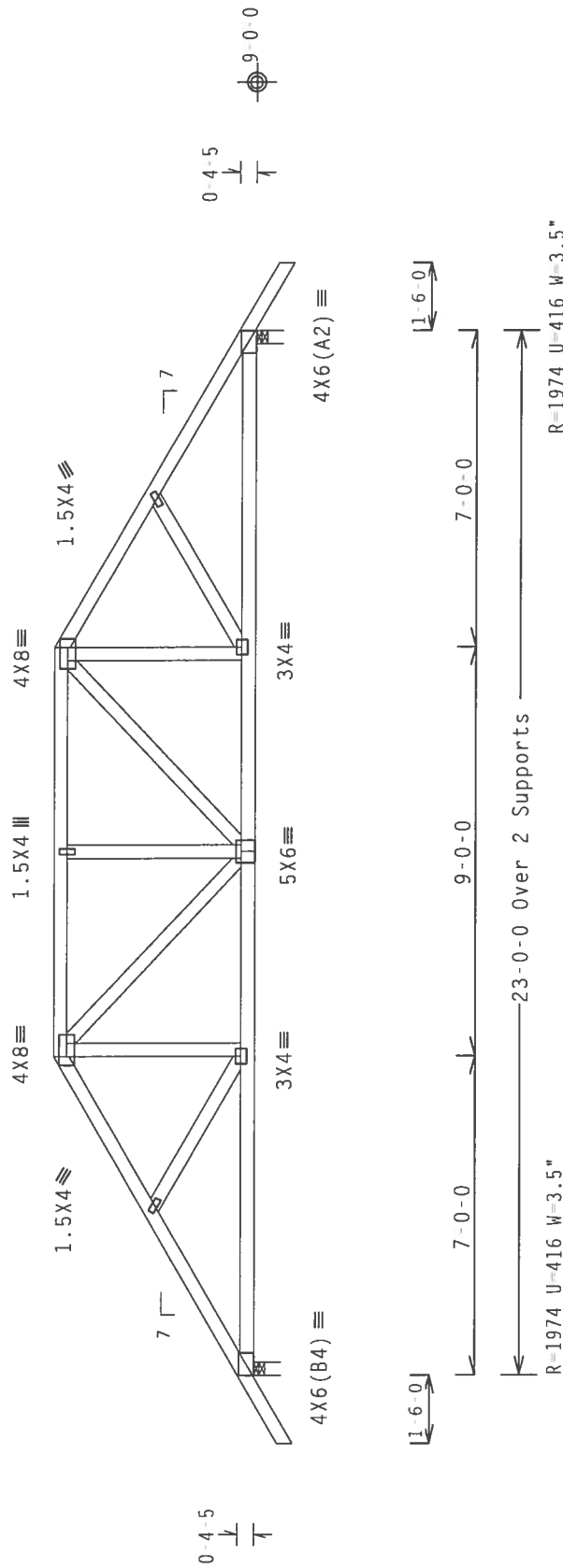
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002(STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

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

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

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

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

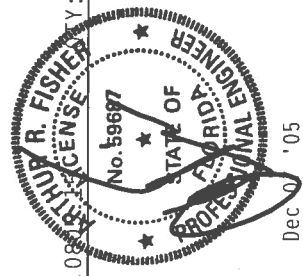
Design Crit: $\text{TPI} - 2002(\text{STD})/\text{FBC}$
 $\text{Ca}/\text{RT} = 1.00(1.25)/$

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R487 -	21387
TC DL	10.0	PSF	DATE	12/06/05
BC DL	10.0	PSF	DRW HCURR487	05340001
BC LL	0.0	PSF	HC-ENG JB/AF	
TOT.LD.	40.0	PSF	SEQN-	59554
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SSS487 Z05

[illegible]

****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 INSURE THE
DESIGN CONTRACTORS WITH APPLICABLE PROFESSIONAL LIABILITY, HANDLING, SHIPPING, INSTALLING & BRACING OF THUS THE
CONNECTION PLATES ARE MADE OF 70/10/16GA./48"/K/5/K/ASTM A563 GRADE 40/60 (C/K/S) GALV. STEEL
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 ADHES A.3 OF 1P11 2002 N.C.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING 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 ADHES 1P11 1 SEC. 2.



Dec 07, 05

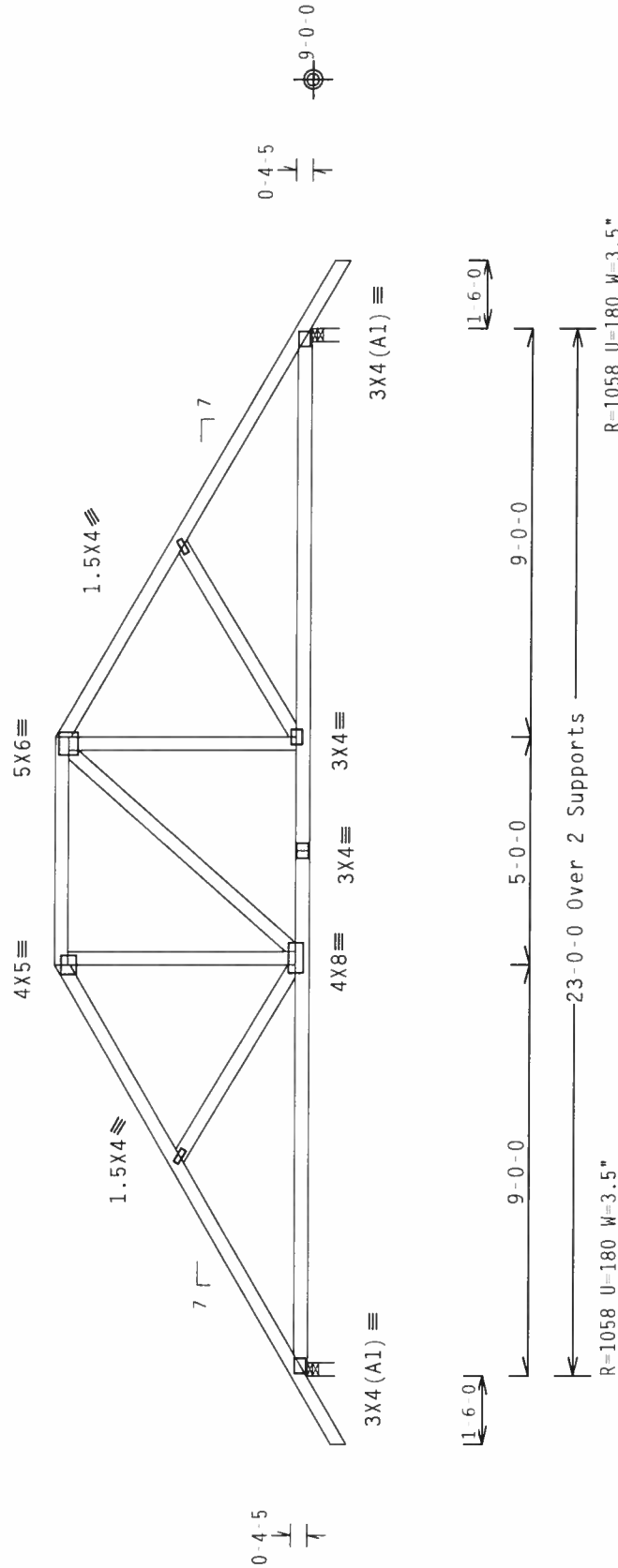
Haines City, FL 33844
FL Certificate of Authorization # 567

JREF- 1SSS487 Z05

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

110 mph wind, 11.55 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Design Crit: $\text{TPI} - 2002(\text{STD}) / \text{FBC}$

PLT TYP. Wave

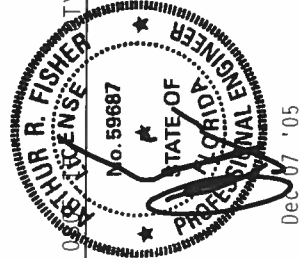
$$C\sigma/RT = 1.00(1.25)/10(0) \quad 7.04(0.04)$$

EI / - / A / - / - / D / -

2003 - 2004/2005

****WARNING**** THROWS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 S. 1ST ST., #200, MADISON, WI 53715), AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, MADISON, WI 53710) FOR DESIGN AND ERECTION REQUIREMENTS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED LIGHT CEILING.

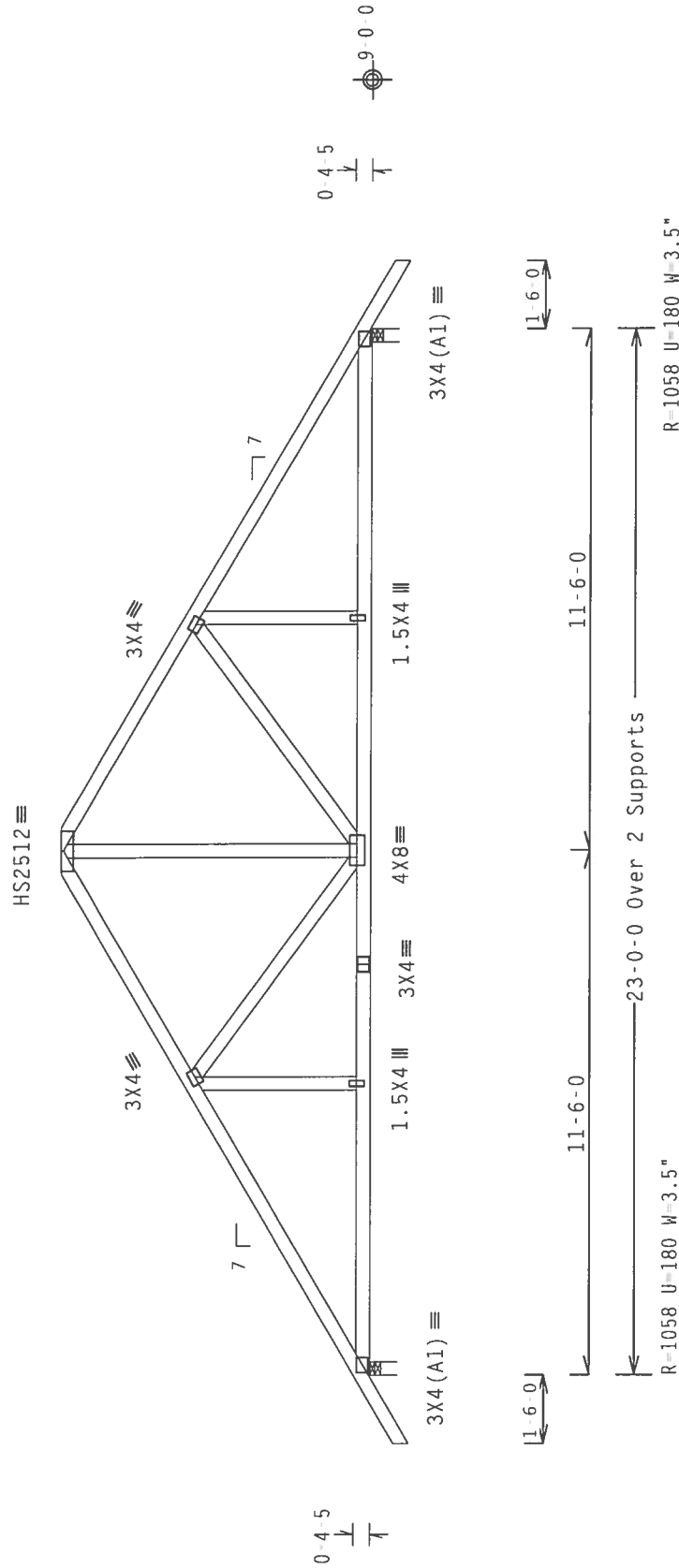
****IMPORTANT****FURNISH A COPY OF THE INSTALLATION CONTRACTOR'S ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTIONS WITH APPLICABLE PROVISIONS OF ASTM INTERNATIONAL SPEC. BY AREA AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND BRACE, MIN. A606 GR80T 40X60 (4 / 8") GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE OWNER OR THE POSITION PER DRAWINGS. ITEM 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPLETION OF THE BUILDING SIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.



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

ITEM	QTY	UNIT	SCALE = 1.25 / FT.
TC LL	20.0	PSF	REF R487 -- 21388
TC DL	10.0	PSF	DATE 12/06/05
BC DL	10.0	PSF	DRW HCUR487 05340012
BC LL	0.0	PSF	HC-ENG JB/AF *
TOT.LD.	40.0	PSF	SEQN 59563
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SSS487 Z05

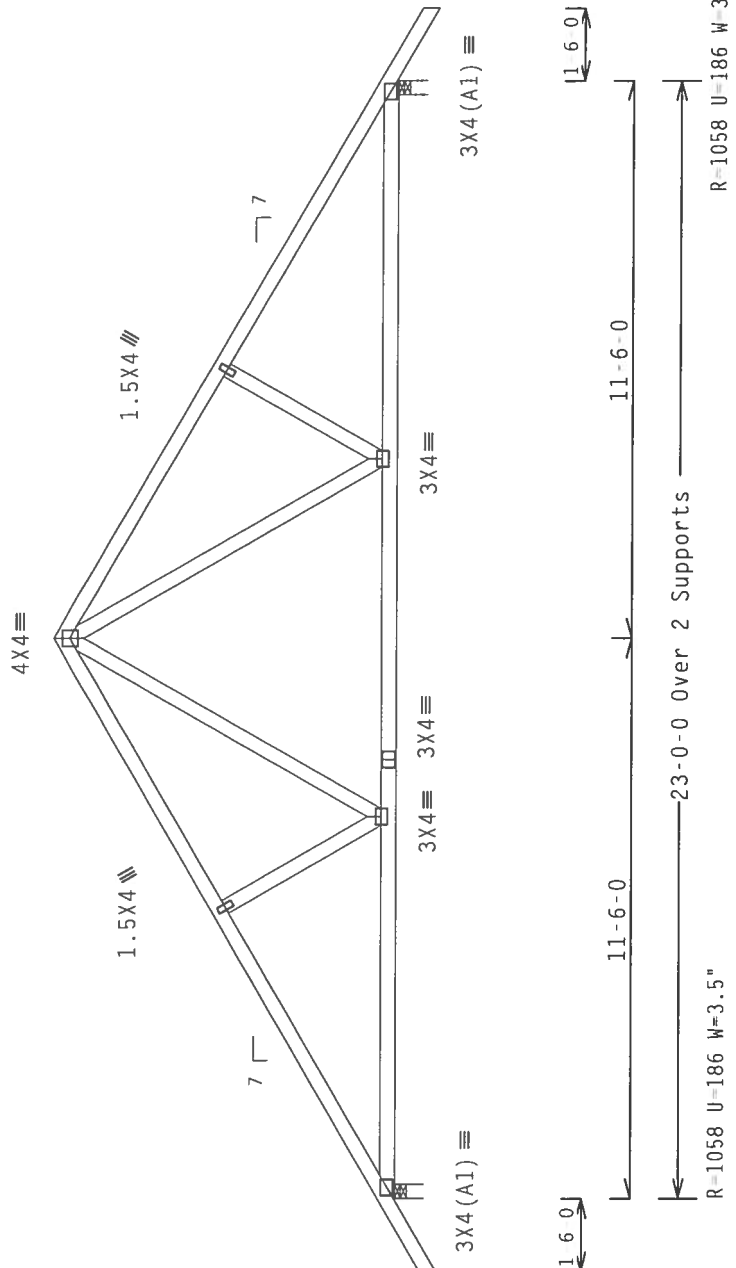
TC LL	20.0	PSF	REF R487 - 21389
TC DL	10.0	PSF	DATE 12/06/05
BC DL	10.0	PSF	DRW HCUSR487 05340023
BC LL	0.0	PSF	HC-ENG JB/AF *
TOT.LD.	40.0	PSF	SEQN- 59592
DUR.FAC.	1.25		
SPACING	2' 0"		DEE- 155548 705



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

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

110 mph wind, 12.28 ft mean hgt, ASCE 7 98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.03

Scale = .25"/Ft.

TC LL	20.0 PSF	REF R487--	21390
TC DL	10.0 PSF	DATE	12/06/05
BC DL	10.0 PSF	DRW HCUSR487	05340033
BC LL	0.0 PSF	HC-ENG JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	59586
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SSS487_Z05

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 BCES 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTIONS ARE MADE OF 2018/18/18GA (W/1/2") ASTM A653 GRADE 40/60 (W/ K/01.5) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE RESPONSIBLE FOR THE TRUSS COMPANY'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 Dense

Bot chord 2x8 SP SS

Webs 2x4 SP #3 :W5 2x4 SP #2 Dense:

SPECIAL LOADS

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

TC - From 63 PLF at 1.50 to 63 PLF at 24.50

BC - From 5 PLF at 1.50 to 5 PLF at 0.00

BC - From 20 PLF at 0.00 to 20 PLF at 7.06

BC - From 672 PLF at 7.06 to 672 PLF at 16.58

BC - From 589 PLF at 16.58 to 589 PLF at 23.00

BC - From 5 PLF at 23.00 to 5 PLF at 24.50

BC - 2981 LB Conc. Load at 7.06

BC - 2030 LB Conc. Load at 19.00

110 mph wind, 12.28 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)

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

Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)

Webs : 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 12d Box or Gun (0.128"x3.25", min.) nails

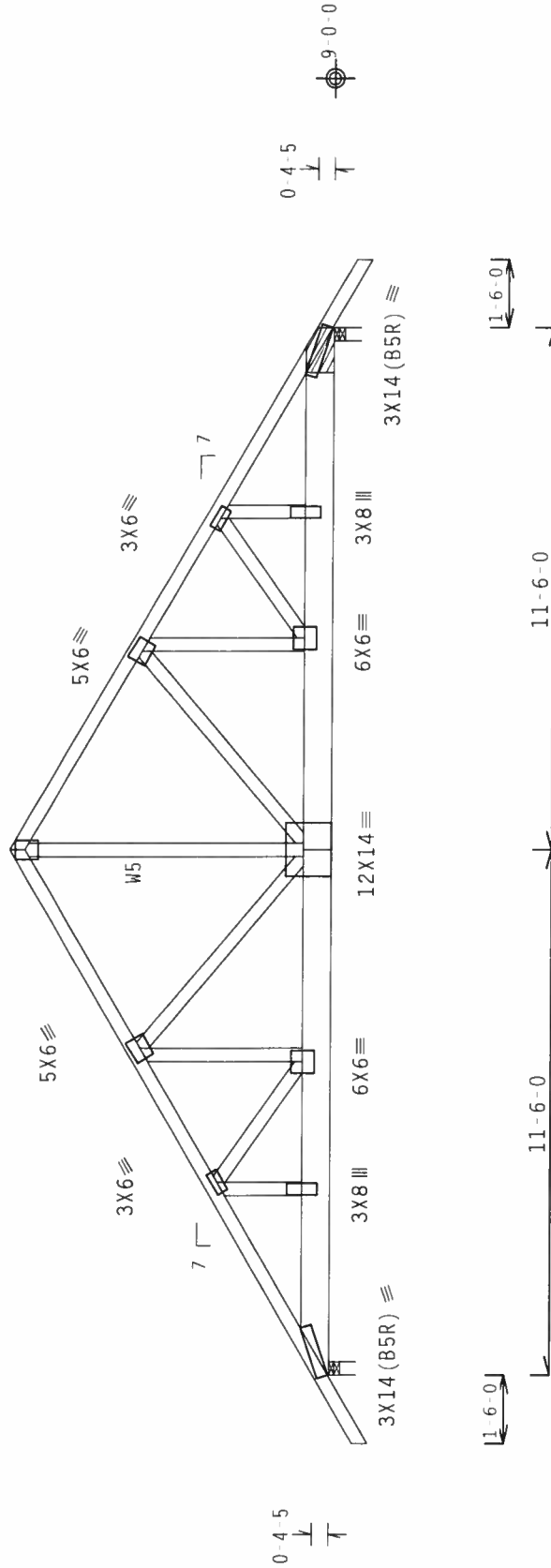
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE

2 22.708' 1 12" 10 Match Truss

Bearing block to be same size and species as bottom chord. Refer to drawing CNRGRBLK1103 for additional information.

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

5X6 (R) III



11'-6'-0"

11'-6'-0"

11'-6'-0"

11'-6'-0"

23'-0'-0" Over 2 Supports

R=6985 U=1624 W=3.5"

R=10004 U=2327 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

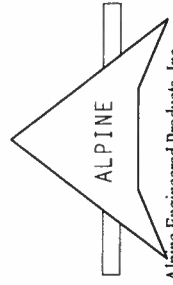
7.04.00

FL/-4/-R/-

Scale = .25"/Ft.

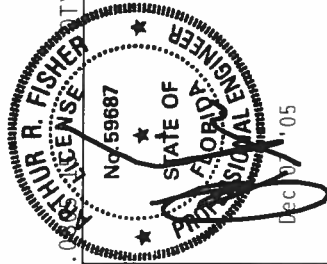
****WARNING**** TRUSSES REQUIRE EXTERIOR CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (W. H/2.5) ASTM A653 GRADE 40/60 (W. K/H.5) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. DRAWING INDICATES ACCEPTABLE PROFILES. (1) SHALL BE PER AFAPA AS OF 1/11/2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

FL Certificate of Authorization # 567



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 - 21391
DATE	12/07/05
DRW	HCUSR487 05341006
HC-ENG	J3/AF
SEQN	17735
JREF	1SSS487 Z05

15 479 STANLEY CRAWFORD LASON

FIG. 1

DATE: 12/06/05

BY: JWB

Top chord 2x4 SP #2 Dense

Bot chord 2x6 SP #2

Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Girder supports 17-11-8 span to BC one face and 4-0-0 span to TC/BC split opposite face.

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

110 mph wind, 18.45 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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

Truss must be installed as shown with top chord up.

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

1.5X4 III

3X4(R) III

3X4(R) III

3X4(R) III

8' 5" 6"

8' 5" 6"

10' 0" 0"

1.5X4 III

4X8 III

1.5X4 III

5'-10" 8" Over 2 Supports

R=1323 U-410 H-Simpson HUS26

w/ (6) 10d Common, 0.148"x3.0" nails in Truss

w/ (14) 10d Common, 0.148"x3.0" nails in Girder

Girder is (1)2X6 min. So.Pine

R=1323 U-410 H-Simpson HUS26

w/ (6) 10d Common, 0.148"x3.0" nails in Truss

w/ (14) 10d Common, 0.148"x3.0" nails in Girder

Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC

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

7.04.08

Scale = .1875"/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--

21392

DATE

12/06/05

DRW

HCUSR487

05340064

HC-ENG

JB/AF

SEON-

60316

JREF-

1SSS487_Z05

THUR R. FISHER

PROFESSIONAL ENGINEER

No. 39687

STATE OF FLORIDA

Dec 07 2005

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 ACPA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE APPLICATION OF THE TRUSS TO THE BUILDING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 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.

15-479 STANLEY UNIFORM ORD UNIFORM - F20 J

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

End verticals not exposed to wind pressure.

Girder supports 7-5-8 span to BC one face and 4-0-0 span to TC/BC split opposite face.

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

110 mph wind, 16.04 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Truss must be installed as shown with top chord up.

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

2.5X6 (R) III

2.5X6 (R) III

6-0-8

6-0-8

3X4 III

3X4 III

10-0-0

6-0-8

5-10-8 Over 2 Supports

3X4 III

R-682 U=211 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R-682 U=211 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

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

Scale = .3125"/Ft.

THUR R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
dec 01 '05

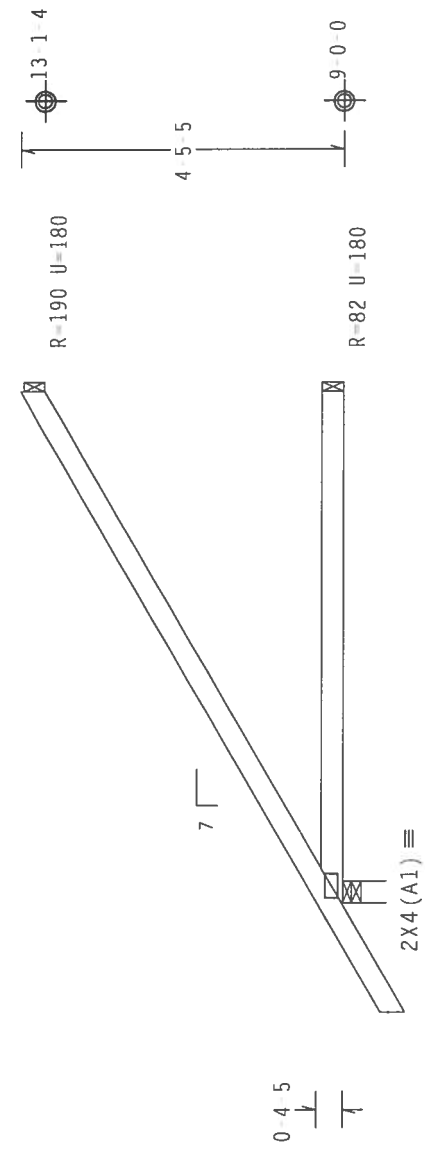
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
JREF	1SSS487_Z05

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

110 mph wind, 10.96 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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

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.



1607

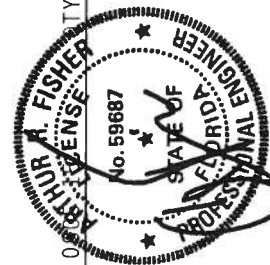
7-0-0 Over 3 Supports

R-412 U=180 W=3.5"

Design Crit: $TPI - 2002(STD) / FBC$

Scale = .375"/Ft.

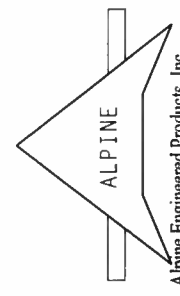
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TC DL	10.0	PSF	DATE	12/06/05	
BC DL	10.0	PSF	DRW	HCUSR487	05340048
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.I.D.	40.0	PSF	SEON-	59372	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SSS487	Z05



Dec 07 '05

WARNING—TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1-03 (BUILDING COMPLIANT SAFETY INFORMATION), PUBLISHED BY THE CROSS PAPER INSTITUTE, 583 MADISON, MI 48137, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE TRUSSES ARE NOT TO BE USED TO SUPPORT ANY LOADS OTHER THAN THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

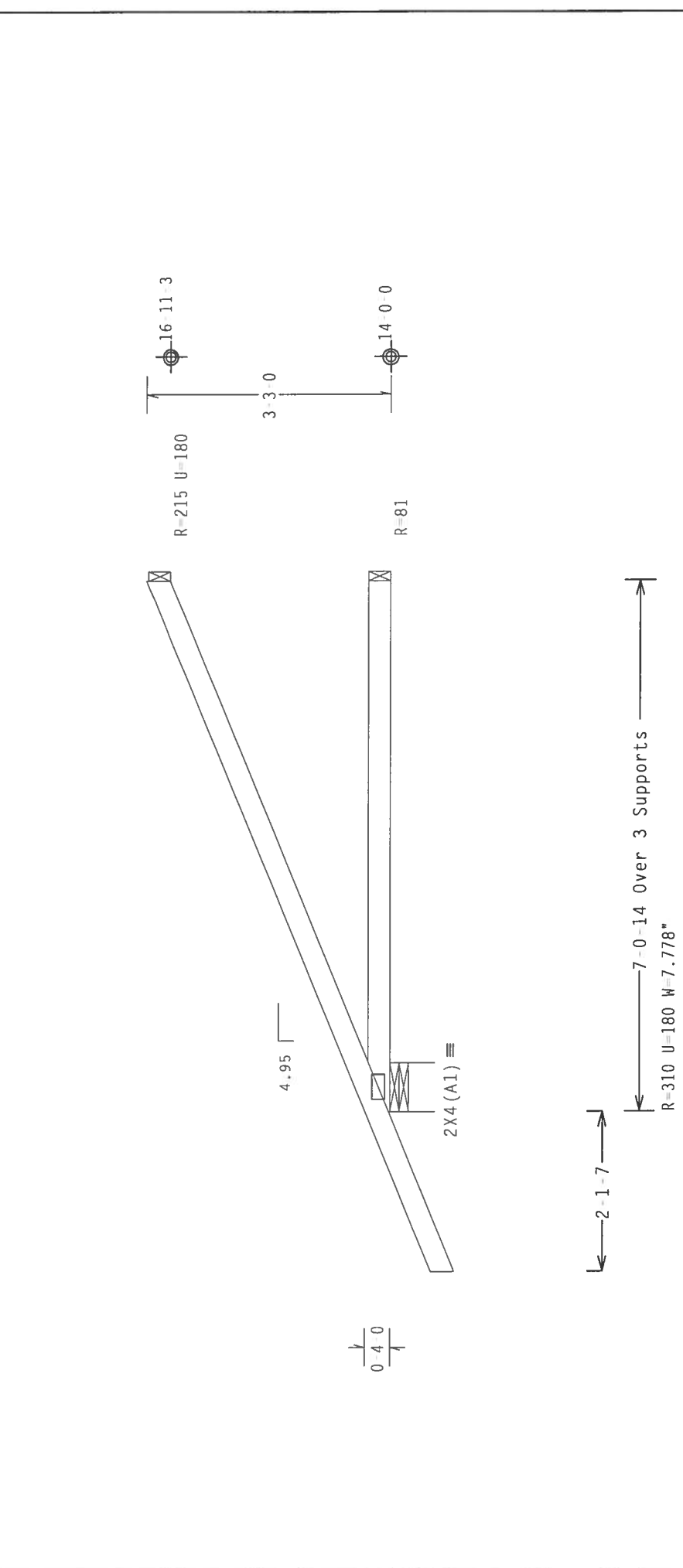
****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 6061-T6 ALUMINUM (NATIONAL DESIGN SPEC., BY AIAA) AND TPI-ALPINE CONNECTOR PLATES ARE MADE OF 7075-T6 ALUMINUM (NATIONAL DESIGN SPEC., BY AIAA). GALVNEAL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS LEO-2.1 THROUGH LEO-2.9. IF THERE IS A CHANGE IN THE LOCATION OF THE PLATE, THERE MUST BE A SEAL ON THIS. ANY INSPECTION OF PLATES FOLLOWED BY (1), SHALL BE PER AMINT AS 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 AMS1/P1 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
Hipjack supports 5-0-0 setback jacks with no webs.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.35 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04-08

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 1000 ENTERPRISE LN, DUNDREID 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.

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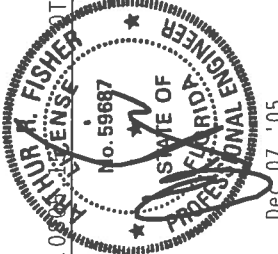
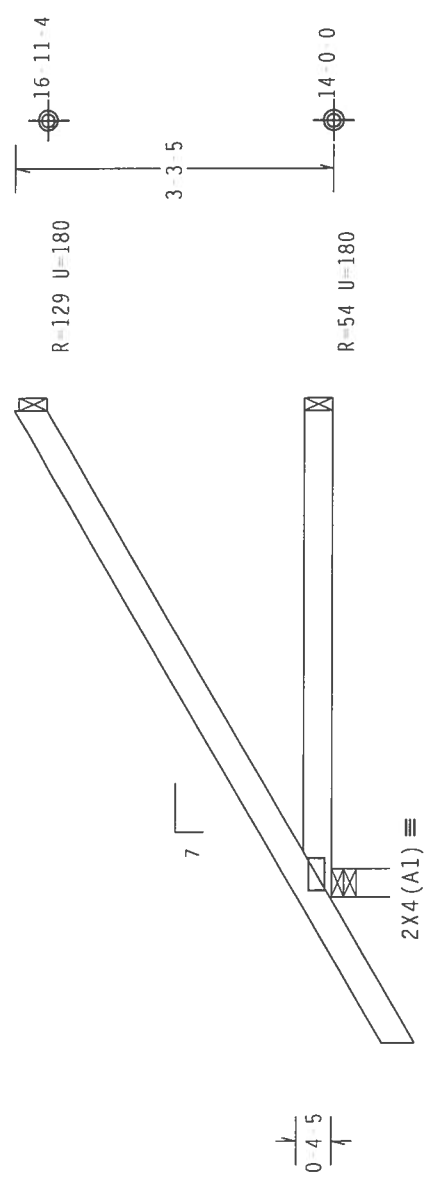
ARTHUR R. FISHER
No 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Dec 01 '05

Scale = .5" / Ft.	REF R487-- 21396
TC LL 20.0 PSF	DATE 12/06/05
TC DL 10.0 PSF	DRW HCUSR487 05340052
BC DL 10.0 PSF	HC-ENG JB/AF
BC LL 0.0 PSF	SEON- 59411
TOT.LD. 40.0 PSF	
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1SSS487_Z05

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.38 ft mean hgt, ASCE 7 98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.04 0.00	FL/4/-/-/R/-	Scale = .5"/Ft.
TC LL	20.0 PSF	REF R487--	21397
TC DL	10.0 PSF	DATE	12/06/05
BC DL	10.0 PSF	DRW	HCUSR487 05340059
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	59396
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SSS487_Z05

WARNING** TRUSSES REQUIRE EXERCISE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCES 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 630 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

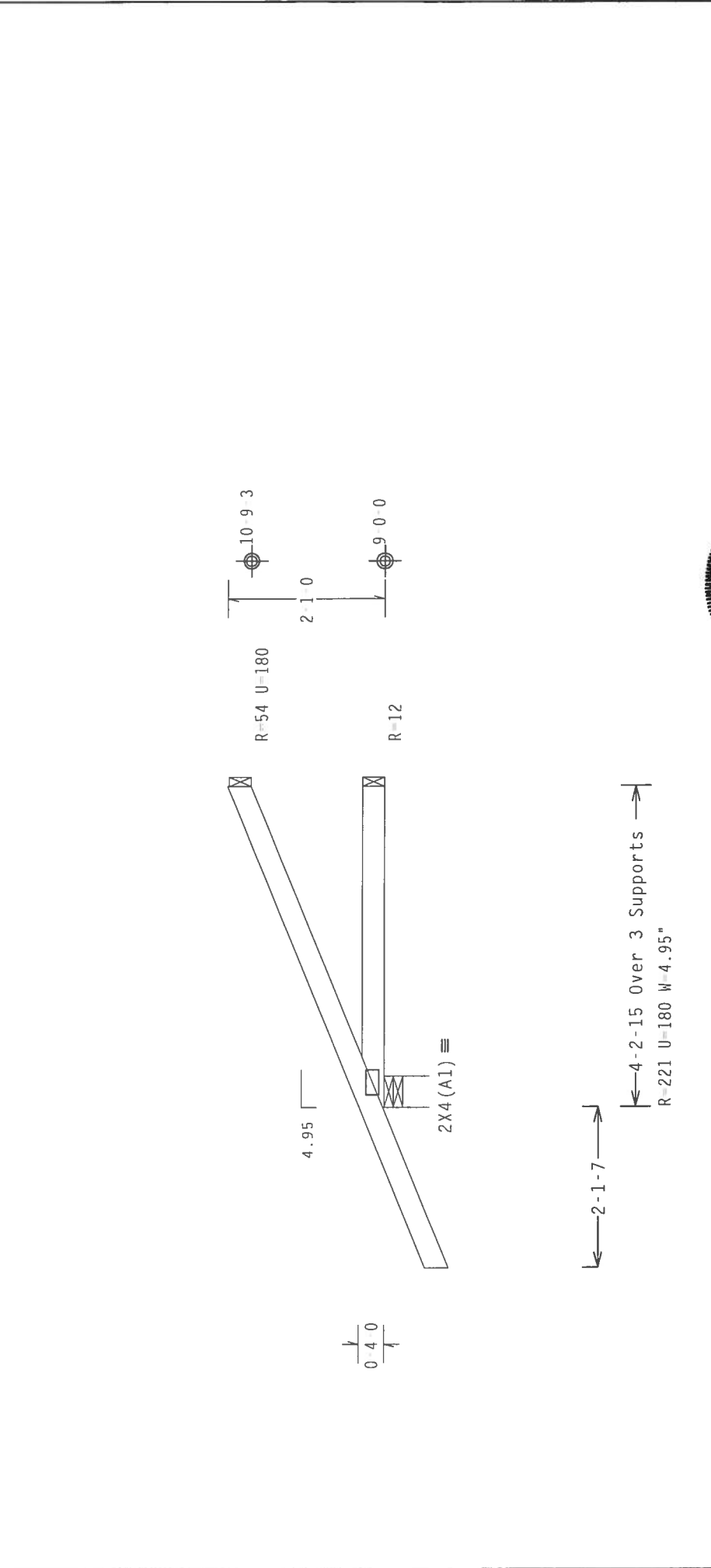
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ALPINE

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

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Hipjack supports 3 0 0 setback jacks with no webs.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Deflection meets L/360 live and L/240 total load. 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

Scale = 5"/Ft.

TC LL	20.0 PSF	REF R487 -- 21398
TC DL	10.0 PSF	DATE 12/06/05
BC DL	10.0 PSF	DRW HCUSR487 05340040
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 59431
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SSS487_Z05

ALPINE

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

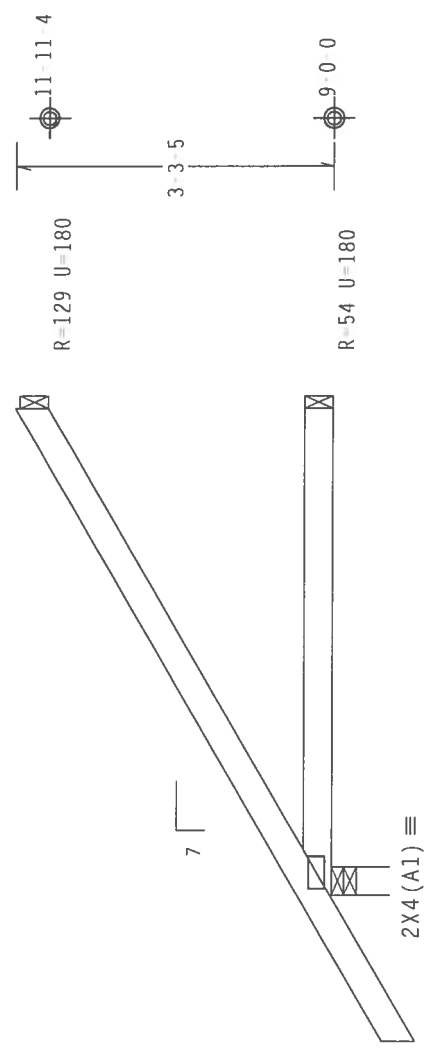
ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Dec 07 '05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSD 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND NFCA (NATIONAL 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 A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ATRPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE TO 2018/16GA (4-M/5/8) ASTM A653 GRADE 40/60 (K, K/H/S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX A3 OF TPI 2002 SEC. 2.3. (2) SHALL BE PER AMEX A3 OF TPI 2002 SEC. 2.3. 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 BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 10.38 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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



← 1 - 6 - 0 →
← 5 - 0 - 0 Over 3 Supports →
R-335 U-180 W-3.5"

PLT TYP. Wave

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

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

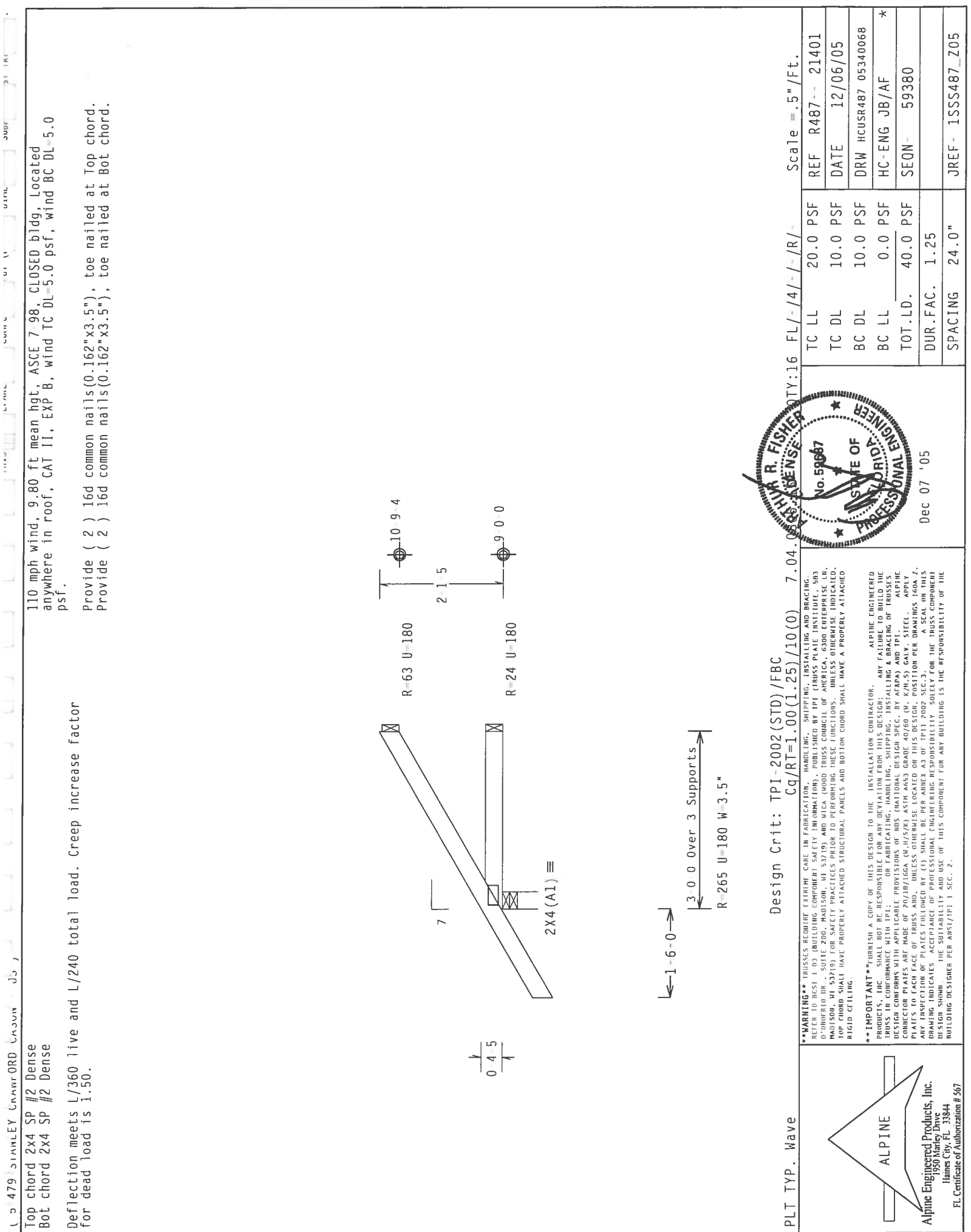
****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, TRUSSES PLATING, INC., D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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 AITPA) AND TPI. APPLY CONNECTOR PLATES TO EACH FACE OF TOP AND BOTTOM CHORDS UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWING 160A.2. PLATES TO EACH FACE OF TOP AND BOTTOM CHORDS SHALL BE PER ANSI A588-01 (M. 8/10/01) GALV. STEEL. APPLY DESIGN INDICATES ACCEPTANCE OF PROPOSED TRUSS FOR THE TRUSS COMPONENT. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROPOSED TRUSS FOR THE TRUSS COMPONENT. THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Scale = .5" / Ft.

REF	R487--	21400
DATE	12/06/05	
DRW	HCUSR487	05340065
HC-ENG	JB/AF	
SEQN-	59377	
DUR.FAC.	1.25	
SPACING	24.0"	

JREF- 1SSS487_Z05



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)	7.04	TY:16	FL/-/4/-/4/-/R/-	Scale = .5"/Ft.
REF R487 -- 21401	TC LL	20.0	PSF		
DATE 12/06/05	TC DL	10.0	PSF		
DRW HCUSR487 05340068	BC DL	10.0	PSF		
HC-ENG JB/AF	BC LL	0.0	PSF		
SEON 59380	TOT.LD.	40.0	PSF		
	DUR.FAC.	1.25			
JREF- 1SSS487_Z05	SPACING	24.0"			

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 193 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND WEA (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 AIA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 2010/1066 (N-11/5/8) ASH 6053 GRADE 40/60 (N. K/N-S) GALV. STEEL. APPLY MAXIMUM EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANALYSTS INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE SECTION 1.1. THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 9.21 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



7
0-11-5
R= 57 U=180
R= 15 U=180
2x4 (A1) ≡

1-6-0
1-0-0 Over 3 Supports
R-257 U=180 W=3.5"

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

PLT TYP. Wave

Scale = 5" / Ft.

REF	R487 --	21402
DATE	12/06/05	
DRW	HCUSR487	05340069
HC-ENG	JB/AF	
SEON-	59384	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	

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"

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

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1950 Marley Drive

Haines City, FL 33844

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

The following trusses need concentrated loads at the end of their overhangs: 5-0-0 span/setback member on the 1-6-0 cant side requires 93 lbs and the 5-0-0 span/setback member on the 1-6-0 cant side requires 93 lbs.

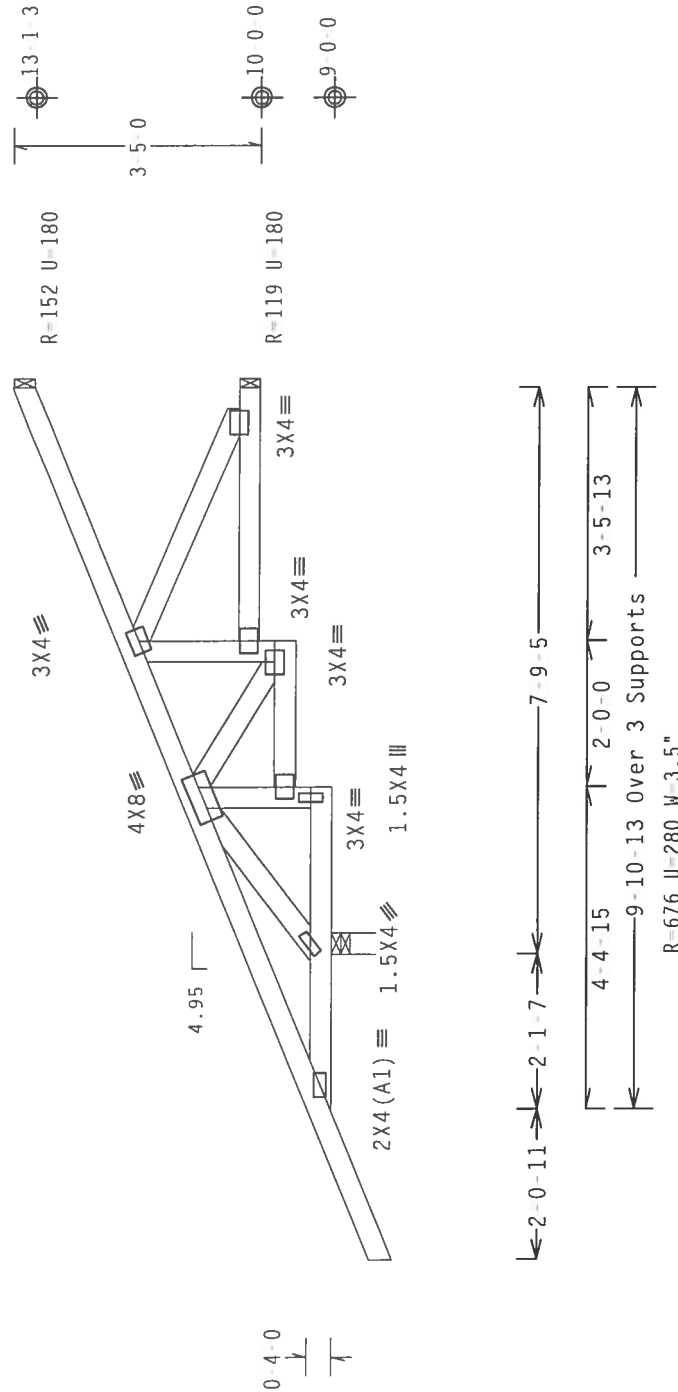
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

Sub fascia beam assumptions: 6-5-8 sub fascia beam on the 1-6-0 cantilever side. 6-5-8 sub fascia beam on the 1-6-0 cantilever side.

Hip/jack supports 7-0-0 setback jacks with 1-6-0 cantilever one face; 1-6-0 cantilever opposite face.

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

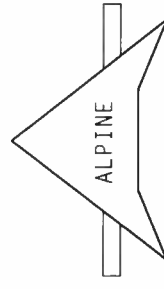


Design Crit: TPI-2002(STD)/FBC

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REQUEST BUILDING COMPONENT SUPPLIER FOR THE FOLLOWING INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 5835 ROCKFORD RD., SUITE 200, ROCKFORD, ILLINOIS 61105-1209, (815) 398-7200, FAX (815) 398-7201, WWW.TPI-USA.COM, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING ANY TRUSS WORK, VISIT THE WEBSITE WWW.TPI-USA.COM. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN INCHES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

****IMPORTANT**** FURNISH A COPY OF THE INSTALLATION CONTRACTOR'S DESIGN TO THE TRUSS MANUFACTURER AND ALDIP ENGINEERING COMPANY, 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 COMBINATIONS WITH APPLICABLE PROVISIONS OF HUD NATIONAL DESIGN SPEC. BY ATAPA) AND TPI : ALPINE TRUSS COMPANY SHALL BE THE SOLE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING ALL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 100A.7. ANY INSPECTION OF PLATES FOLLOWED BY C) SHALL BE PER ANEX A OF TPI 1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANEX D(1) 1 SEC.

PLT TYP. Wave



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

06-18-2017 10:11 AM
FISHHAWK TV 1
ELI-AI-I-IP/-

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

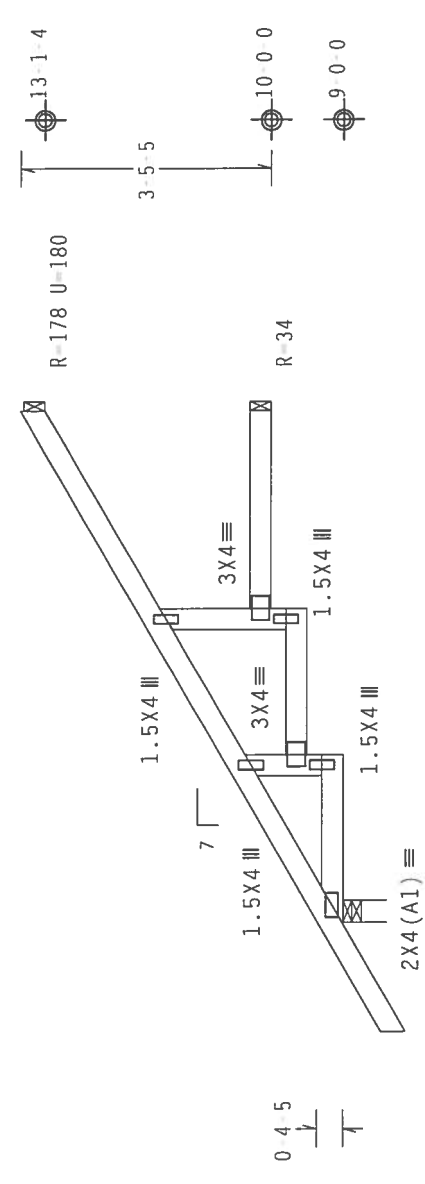
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TC DL	10.0	PSF	DATE 12/06/05
BC DL	10.0	PSF	DRW HCUR487 05340026
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 60096
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SS487 705

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

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

110 mph wind, 10.96 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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

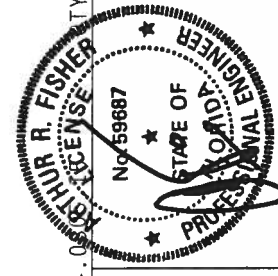


1 6 0

2-3-8 2-0-0 2-8-8
7-0-0 Over 3 Supports
R-471 U-180 W=3.5"

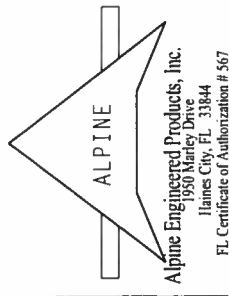
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.05

PLT TYP. Wave	TY:3	FL/-4/-1-R/-	Scale = .375"/Ft.
REF R487-- 21404	TC LL	20.0 PSF	
DATE 12/06/05	TC DL	10.0 PSF	
DRW HCUSR487 05340018	BC DL	10.0 PSF	
HC-ENG JB/AF	BC LL	0.0 PSF	
SEQN- 60067	TOT.LD.	40.0 PSF	
	DUR.FAC.	1.25	
JREF- 1SSS487_Z05	SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFREO 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-11/57K) ASTM A653 GRADE 40/60 (M. K7H-S) GALV. STEEL. APPLY ANY FACTOR OF PLATE FOLLOWED BY THE DESIGNER'S DECISION ON THE POSITION PER DRAWINGS. ADDITIONAL INSPECTION OF PLATES FOLLOWED BY THE DESIGNER'S DECISION ON THE POSITION PER DRAWINGS. ADDITIONAL DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

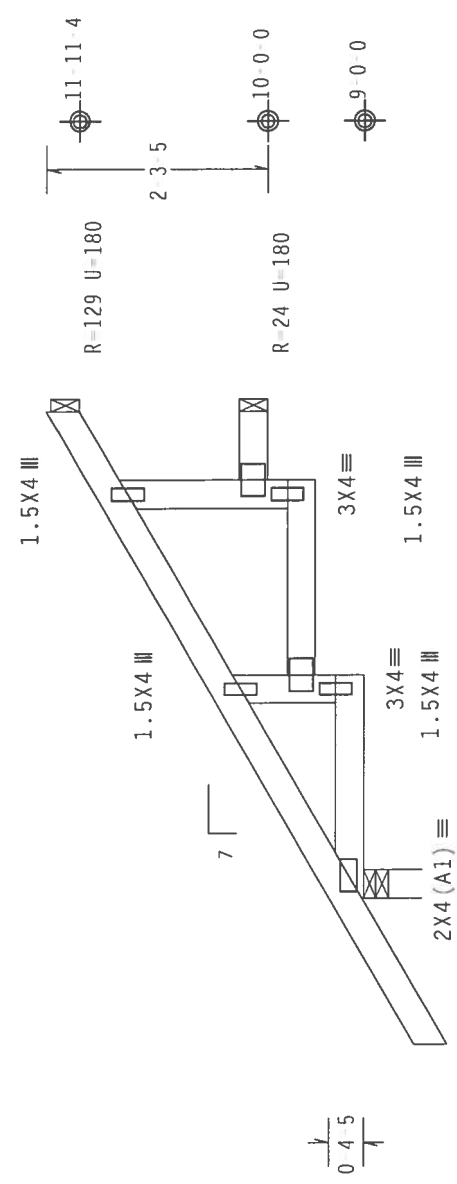
SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 1.50 to 63 PLF at 5.00
BC - From 5 PLF at 1.50 to 5 PLF at 0.00
TC - From 20 PLF at 0.00 to 20 PLF at 5.00
TC - 93 LB Conc. Load at 1.50

110 mph wind, 10.38 ft mean hgt, ASCE 7 98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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.

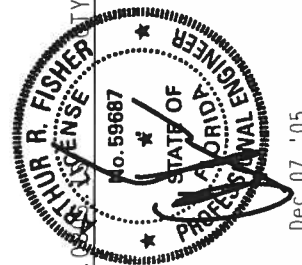


←1-6-0→

2-3-8
5-0-0 Over 3 Supports
R=458 U=180 W=3.5"

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

Scale = .5"/Ft.



Dec 07 '05

****WARNING**** TRUSSES REQUIRE EXTERIOR GORE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONDRETO 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 CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-11/5/1) ASH A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY PLATES EACH FACE OF TRUSS AND BOTTOM CHORD UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS. IGA 2. 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-- 21405
TC DL	10.0 PSF	DATE 12/06/05
BC DL	10.0 PSF	DRW HCUSR487 05340024
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 60102
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SSS487_Z05

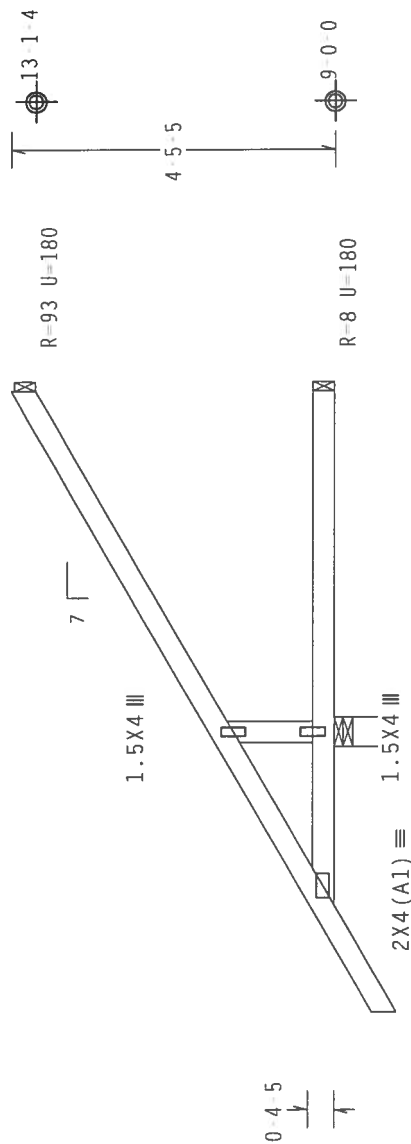
ALPINE

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

1950 Marley Drive Gaines City, FL 33844 FL Certificate of Authorization # 567	SOCIETY FOR THE CROSS-COMPARTMENT DESIGN, SHOR, THE SUITABILITY AND USE OF THIS COMPARTMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.	DUN, J. AC., 1.2.3 SPACING 24.0" JREF = 1SS487_Z05
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110 mph wind, 10.96 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

[illegible]

7-0-0 Over 3 Supports
R=582 U=180 W=4.95"

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

Scale = .375" / Ft.

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

PATENT OFFICE

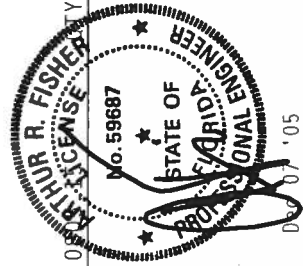
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*****WARNING***** TRUSSES REQUIRING EXTREME CARE IN FABRICATING HAND LIFTING, SHIPPING, INSTALLING AND BRACING TO MEET ALL BUILDING CODES, SPECIFICATIONS, PERMITS, ORDINANCES, REGULATIONS, AND APPLICABLE DESIGN CRITERIA SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, APPROVALS, INSPECTIONS, AND TESTING FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, APPROVALS, INSPECTIONS, AND TESTING FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.

MADISON, WI 53719, OR MADISON, WI 53719, AND WISCONSIN DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, 800 NORTH MONROE STREET, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT*****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING ON THIS DESIGN. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING ON THIS DESIGN.

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMBOS WITH APPLICABLE MODS (NATIONAL DESIGN SPEC. BY AISC) AND TPI: APPLY CONNECTOR PLATES ARE MADE OF 20X18/16GA (H/H) A575 A575 GRADE 40/60 (A, H/H, S) GALV. STEEL. 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 AMERICAN 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 DESIGN MODIFIER.



ALPINE

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

HAMES City, FL 33844
FL Certificate of Authorization # 567

Dec 1.05

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf.

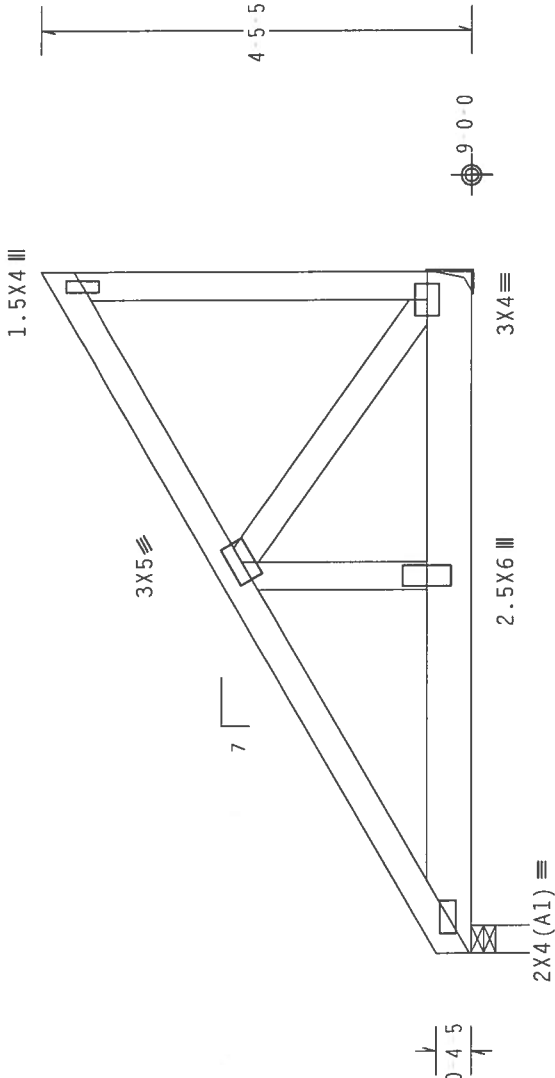
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 395 LB Conc. Load at 1.06
BC - 363 LB Conc. Load at 3.06
BC - 360 LB Conc. Load at 5.06

Right end vertical not exposed to wind pressure.

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



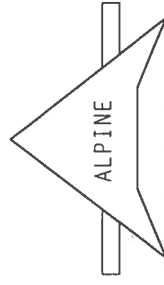
R-751 U-431 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X6 min. So.Pine

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

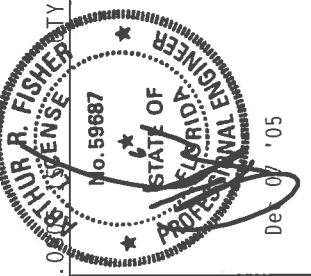
PLT TYP. Wave	Scale = 5" / Ft.
REF R487 -- 21410	TC LL 20.0 PSF
DATE 12/06/05	TC DL 10.0 PSF
DRW HCUSR487 05340036	BC DL 10.0 PSF
HC-ENG JB/AF	BC LL 0.0 PSF
SEQN 59461	TOT.LD. 40.0 PSF
	DUR.FAC. 1.25
JREF 1SSS487_Z05	SPACING 24.0"

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING CODES, SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'AMICO DR., SUITE 200, MADISON, WI 53719), AND NETA (NATIONAL TRUSS COUNCIL OF AMERICA, 6100 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 THIS NATIONAL DESIGN SPEC. BY (AIA) AND (TPI). ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/SX) ASTM A503 GRADE 40/60 (IN. K/H/S) GALV. STEEL. APPLY PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TOGA 2. ALL DIMENSIONS ARE IN INCHES. THE SUFFICIENCY 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



Dec 01 '05

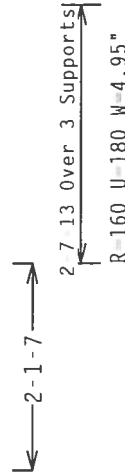
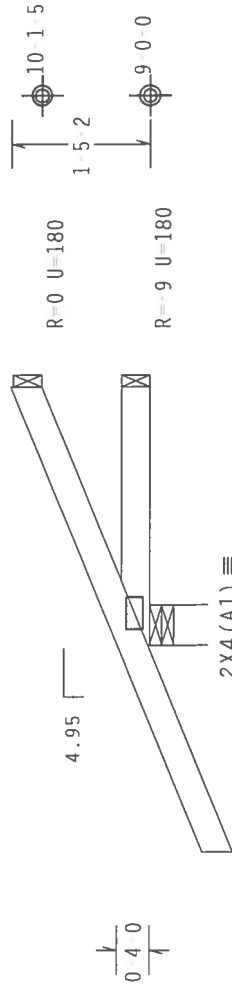
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Hipjack supports 1-10-8 setback jacks with no webs.

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

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

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



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

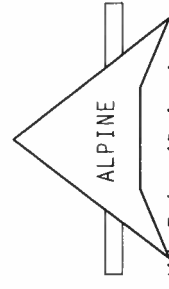
PLT TYP. Wave

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

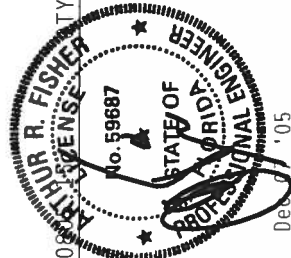
Scale = 5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 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**** 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 TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. APPLY THESE TO PLATES AND BOLTS. 4018/16GCS (M/J/5/7/8) STR-4053 GRADE 40/60 (N. 8/10/5) GALV. STEEL. APPLY TO ALL TRUSSES. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI 1 2002 SEC. 3.1. 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



TC LL	20.0 PSF	REF R487-- 21411
TC DL	10.0 PSF	DATE 12/06/05
BC DL	10.0 PSF	DRW HCUSR487 05340028
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 59405
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SSS487_Z05

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 10.47 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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



1-6-0
1-10-8 Over 3 Supports
R=239 U=180 W=3.5"

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

PLT TYP. Wave

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487-- 21412
TC DL	10.0 PSF	DATE 12/06/05
BC DL	10.0 PSF	DRW HCUSR487 05340005
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 59389
DUR.FAC.	1.25	JREF- 1SSS487_Z05
SPACING	24.0"	

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
Professional Engineer
Date: 12/07/05

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

ALPINE
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1950 MAILEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567

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

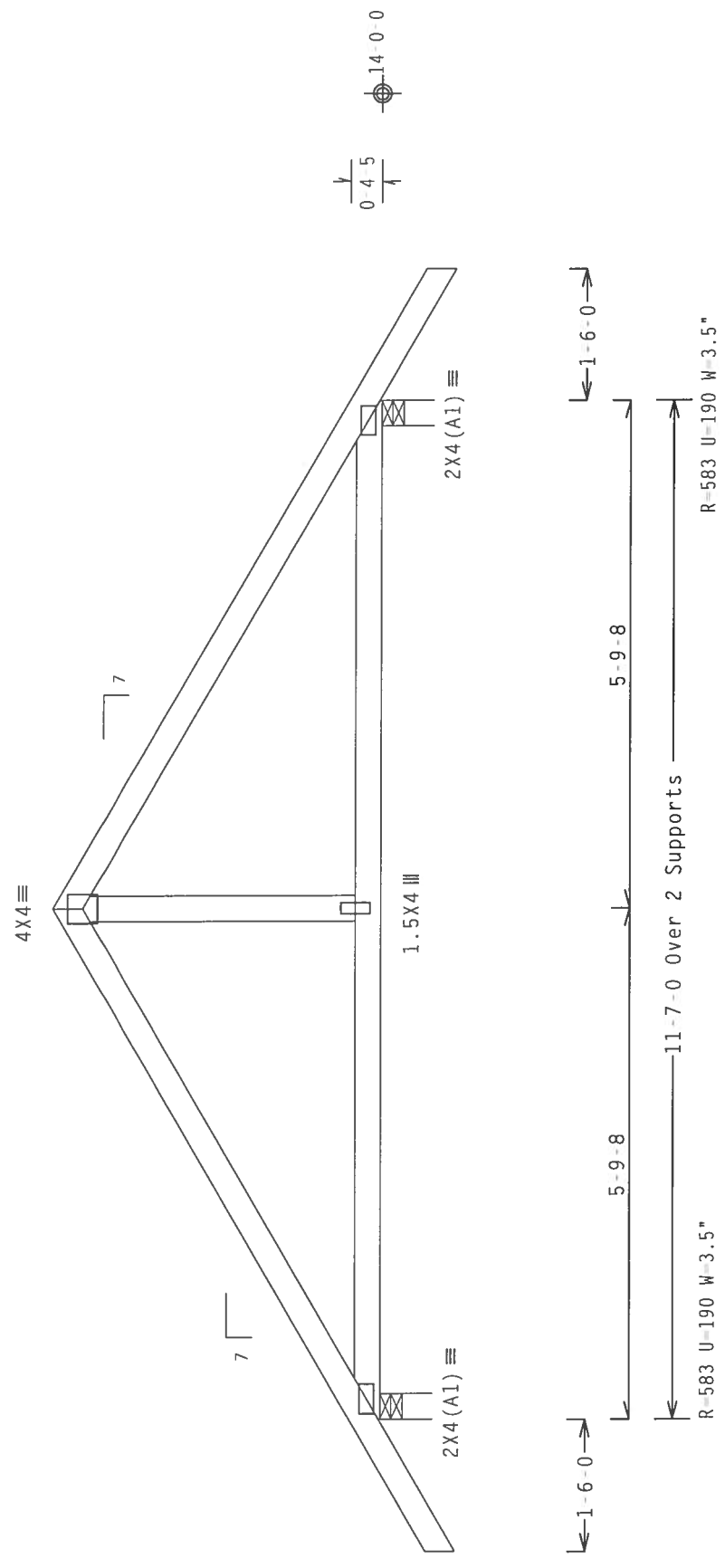
ALPINE
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PRODUCTS, INC.
1950 MAILEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567

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PRODUCTS, INC.
1950 MAILEY DRIVE
HAINES CITY, FL 33844
FL CERTIFICATE OF AUTHORIZATION # 567

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

110 mph wind, 15.61 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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

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

Scale = .5"/Ft.

ALPINE

Alpine Engineered Products, Inc.
 1950 Marley Drive
 Gaines City, FL 32644

FL Certificate of Authorization # 367

REF R487 -- 21414

DATE 12/06/05

DRW HCUR487 05340050

HC-ENG JB/AF

SEQN- 59425

JREF- 1SSS487_205

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"		

No 59687

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Dec 07 '05

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

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/J/S/K) ASTM A653 GRADE 40/60 (H, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.2. A SEAL ON THIS BRACING 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 AMST/DP1 1 SEC. 2.

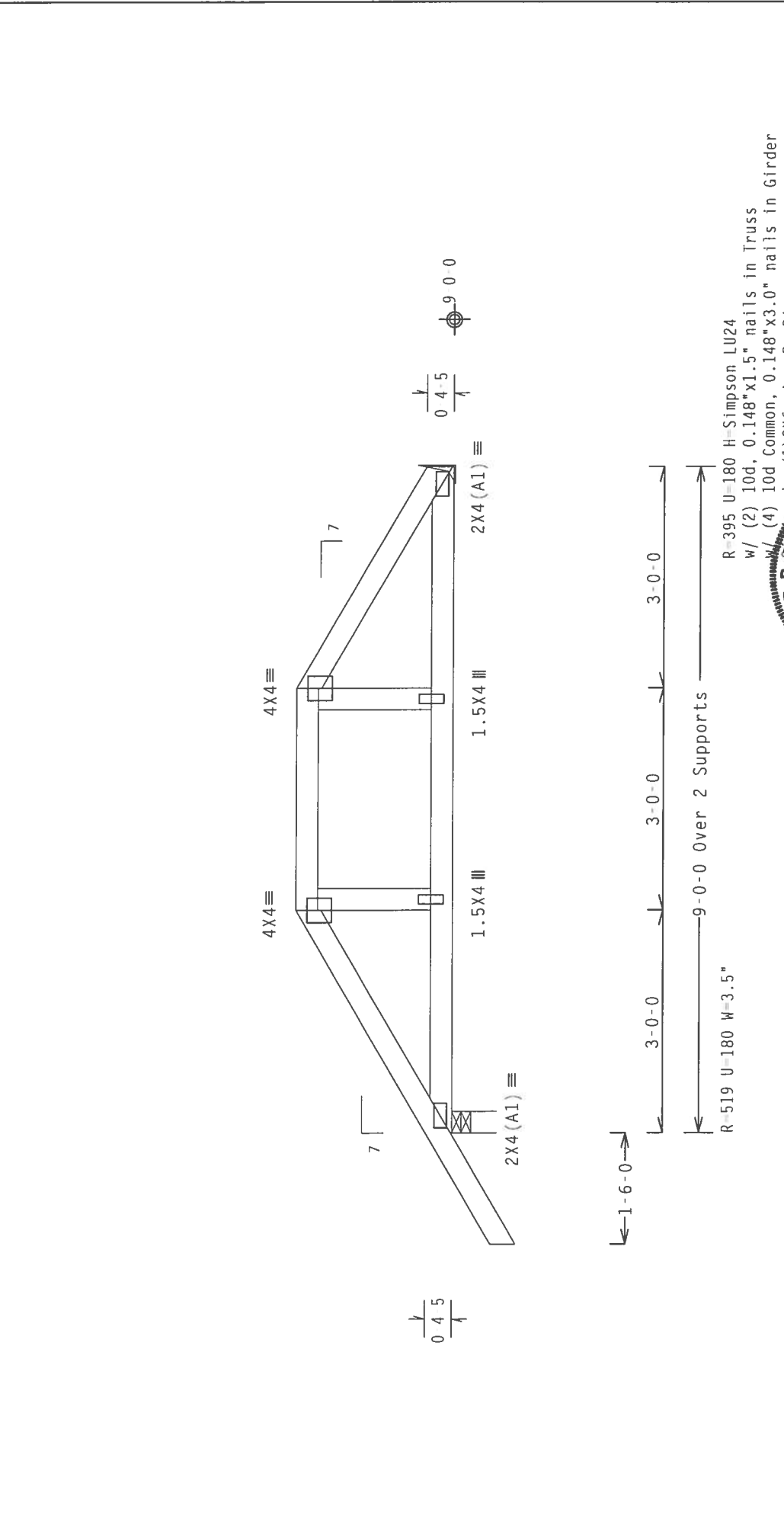
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

#1 hip supports 3-0 0 jacks with no webs.

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



PLT TYP. Wave

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

R 395 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Top Chord is (1)2X6 min. So.Pine

Scale = .5" / Ft.

TC LL	20.0	PSF	REF	R487--	21415
TC DL	10.0	PSF	DATE	12/06/05	
BC DL	10.0	PSF	DRW	HCUSR487	05340039
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEON	59438	
DUR.FAC.	1.25				
SPACING	24.0"				
JREF	1SSS487	Z05			

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

Dec 01/05

THUR R. FISHER
NA.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, 1000 N. 10TH ST., SUITE 200, MADISON, WI 53719, AND AISC (AISC TRUSS COUNCIL OF AMERICA, 6300 HILLCREST BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1066 (M-11/57K) ASTM A553 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY NAILS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A 2. ALL SPACING SHALL BE IN ACCORDANCE WITH TPI-2002(STD) FOR THE TRUSS COMPONENT. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN. 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 -- 21417
TC DL	10.0 PSF	DATE 12/06/05
BC DL	10.0 PSF	DRW HCUSR487 05340043
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEON- 59453
DUR.FAC.	1.25	
SPACING	24.0"	JREF 1SSS487 Z05

Haines City, FL 33844
FL Certificate of Authorization # 567

JREF- 1SSS487 705

CLB WEB BRACE SUBSTITUTION

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

NOTES:

- THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.
- ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

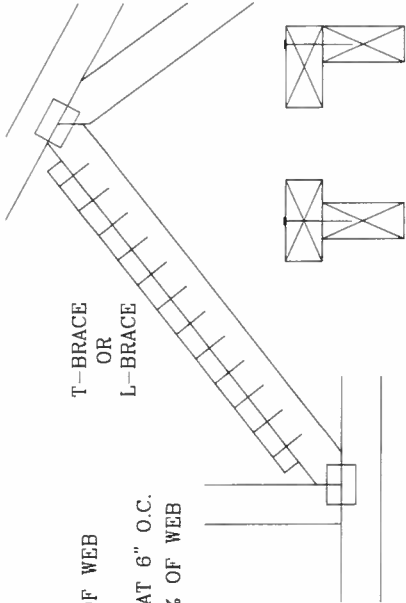
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

T-BRACING
OR
L-BRACING:

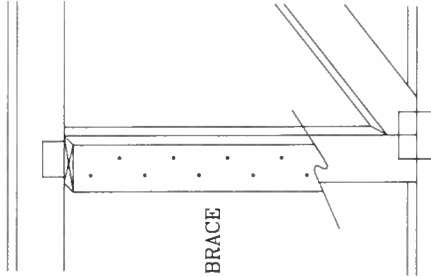
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



T-BRACE
L-BRACE

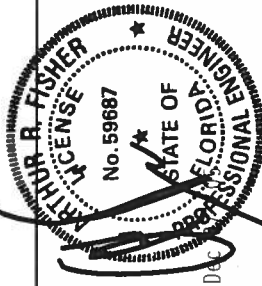
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .125"x3" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



SCAB BRACE

THIS DRAWING REPLACES DRAWING 579.640



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 DUMFRIES DR., SUITE 200, MADISON, WI 53719, AND VITA (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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANNOTATING, REVISIONS, AND THIS DESIGN. ANY FAILURE TO FOLLOW THESE INSTRUCTIONS SHALL BE THE RESPONSIBILITY OF THE USER. THIS DESIGN IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. 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 40/50 (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 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

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

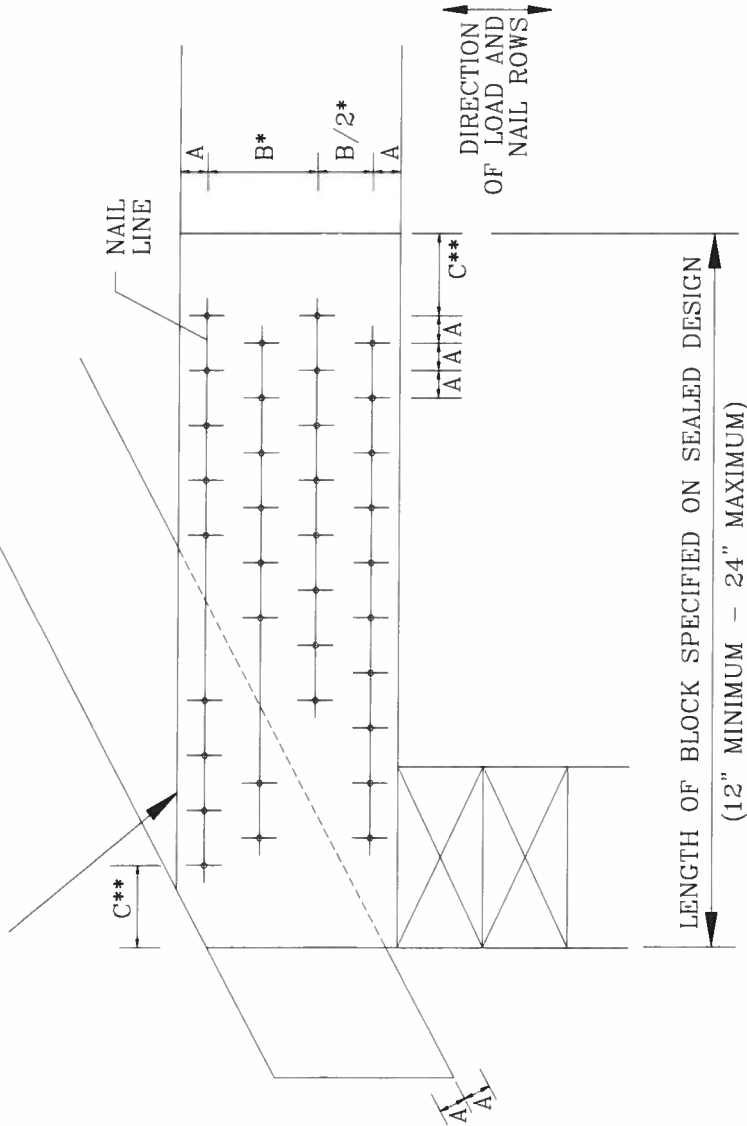
BEARING BLOCK NAIL SPACING DETAIL

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

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

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

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



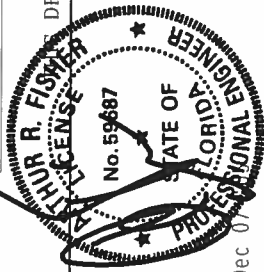
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

MINIMUM NAIL SPACING DISTANCES

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

DRAWING REPLACES DRAWING B139 AND CNBRGLK0699



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 INSTITUTE), 5605 HOPKINS DR., SUITE 200, MADISON, WI 53719, AND VITA (WOOD TRUSS COUNCIL OF AMERICA), 6000 W. 10TH AVE., SUITE 100, DENVER, CO 80202, FOR PRACTICE GUIDANCE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA