

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: IST0487-Z0215143324

Truss Fabricator: Anderson Truss Company
Job Identification: 5-552-JONATHAN PERRY/PODLASZEWSKI
Truss Count: 46
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.22.

Structural Engineer of Record:

Address:

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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



Seal Date: 12/15/2005

-Truss Design Engineer-
Arthur R. Fisher

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

Details: BRCLBSUB-CNBRGBLK

#	Ref	Description	Drawing#	Date
1	14904--H7A		05349053	12/15/05
2	14905--H9A		05349040	12/15/05
3	14906--H11A		05349041	12/15/05
4	14907--H7AT		05349054	12/15/05
5	14908--H9AT		05349055	12/15/05
6	14909--H11AT		05349056	12/15/05
7	14910--H13AT		05349057	12/15/05
8	14911--H15AT		05349084	12/15/05
9	14912--H17AT		05349058	12/15/05
10	14913--H19AT		05349059	12/15/05
11	14914--H21AT		05349060	12/15/05
12	14915--H13AV		05349061	12/15/05
13	14916--H15AV		05349062	12/15/05
14	14917--H17AV		05349063	12/15/05
15	14918--AV1		05349064	12/15/05
16	14919--AV2		05349065	12/15/05
17	14920--AV3		05349066	12/15/05
18	14921--AV4		05349067	12/15/05
19	14922--AV5		05349068	12/15/05
20	14923--AV6		05349069	12/15/05
21	14924--H7B		05349070	12/15/05
22	14925--H9B		05349042	12/15/05
23	14926--B		05349043	12/15/05
24	14927--B1		05349044	12/15/05
25	14928--BG		05349071	12/15/05
26	14929--C		05349045	12/15/05
27	14930--CH		05349046	12/15/05
28	14931--CGE		05349072	12/15/05
29	14932--DGE		05349073	12/15/05
30	14933--D		05349047	12/15/05
31	14934--DH		05349048	12/15/05
32	14935--EG		05349074	12/15/05
33	14936--EJ7		05349075	12/15/05
34	14937--CJ5		05349076	12/15/05
35	14938--HJ7		05349077	12/15/05
36	14939--CJ3		05349049	12/15/05

#	Ref	Description	Drawing#	Date
37	14940--CJ1		05349078	12/15/05
38	14941--EJ7T		05349050	12/15/05
39	14942--CJ5T		05349051	12/15/05
40	14943--HJ7T		05349085	12/15/05
41	14944--CJ3T		05349079	12/15/05
42	14945--CJ1T		05349080	12/15/05
43	14946--M		05349052	12/15/05
44	14947--EJ7G		05349081	12/15/05
45	14948--MG		05349082	12/15/05
46	14949--EJ7T1		05349083	12/15/05

WINDSTORM
NOT BUILT
No 120 DS (not us)



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: IST0487-Z0215143324

Truss Fabricator: Anderson Truss Company
Job Identification: 5-552-JONATHAN PERRY/PODLASZEWSKI (5-552-JONATHAN PERRY/PODLASZEWSKI)
Truss Count: 1
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.22.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Seal Date: 12/15/2005

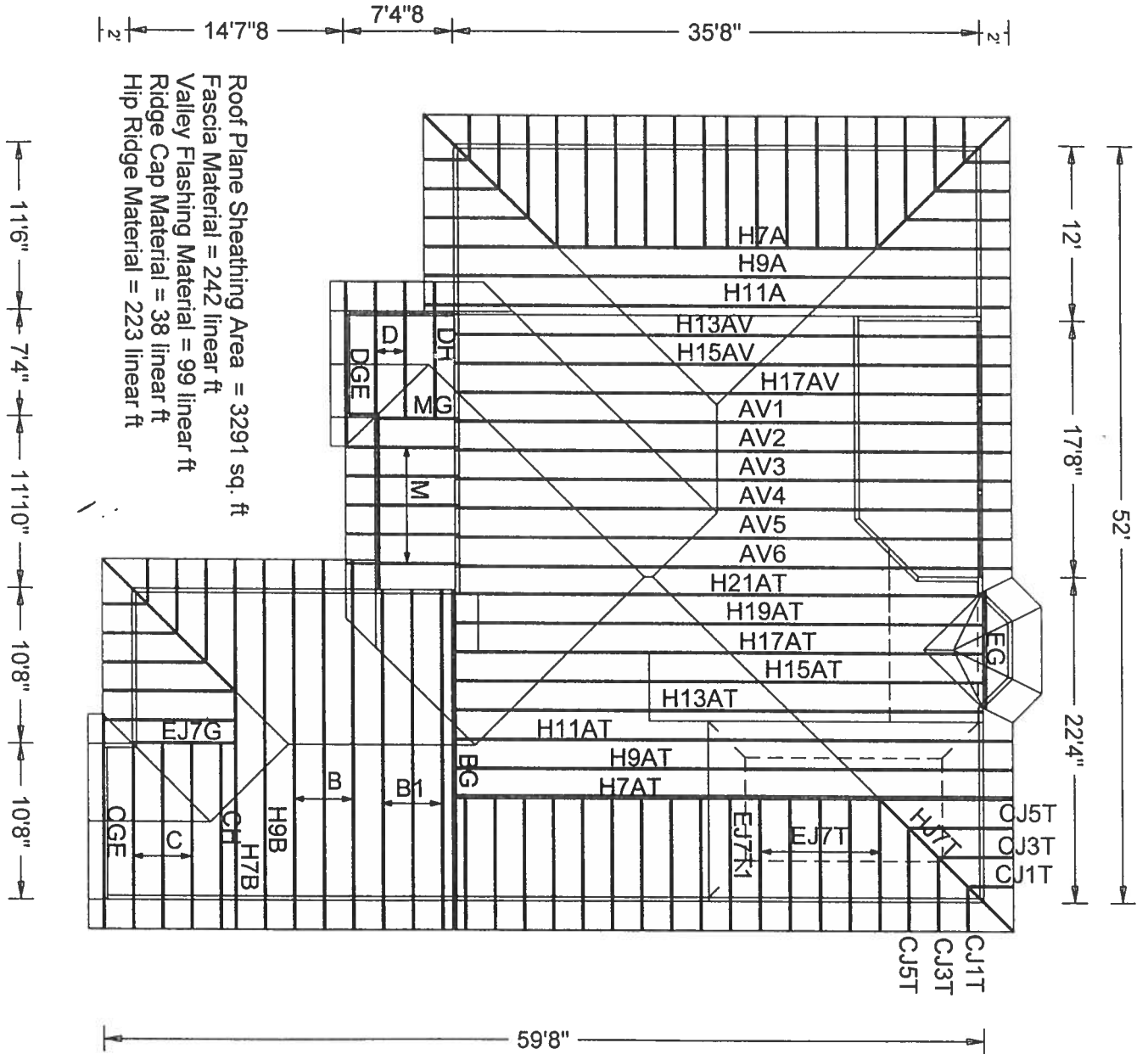
-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	14943--HJ7T		05349085	12/15/05



Cell 1120
8096-589



JONATHAN PERRY/PODLASZEWSKI

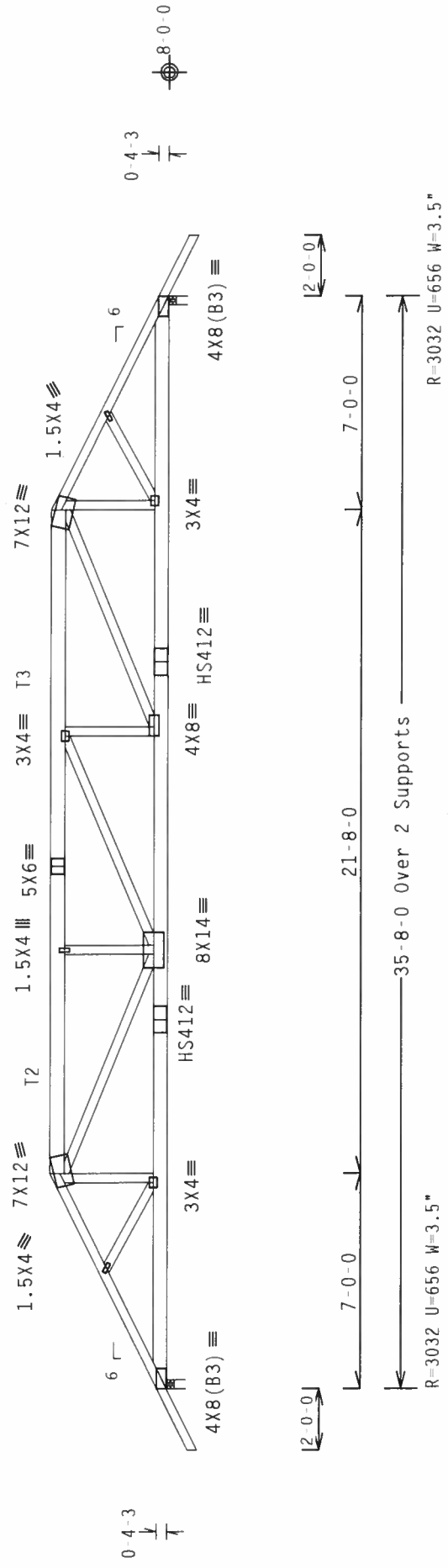
JOB NO: 5-552	DESIGNED BY:	JOB DESCRIPTION: JONATHAN PERRY/PODLASZEWSKI	JOB LOCATION:
PAGE NO: 4 OF 1			

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located
anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2
psf.

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



PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

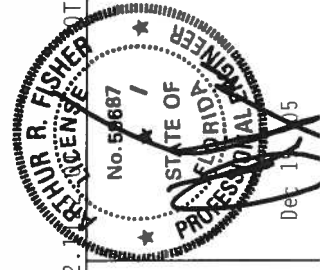
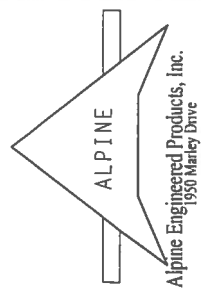
Cq/RT=1.25(1.25)/0(0) 7.22.11

FL/-/3/-/R/-

Scale = .1875"/Ft.

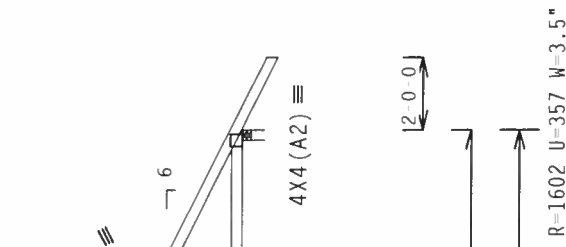
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDAS DR., SUITE 200, MADISON, WI 53719), AND MICA (GOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., SUITE 100, FARMINGTON, CT 06031) FOR SAFETY PRACTICES PRIOR TO PLATFORMING THESE TRUSSES. 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 NDS (NATIONAL DESIGN SPEC. BY ALPINE) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/1/5/8) ASTM A653 GRADE 40/60 (W/ K/H-S) GALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.



TC LL	20.0 PSF	REF	R487--	14904
TC DL	10.0 PSF	DATE	12/15/05	
BC DL	10.0 PSF	DRW	HCUSR487	05349053
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	162590	
DUR.FAC.	1.25			

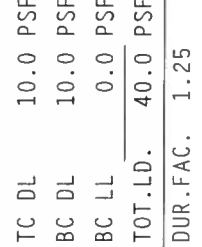
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



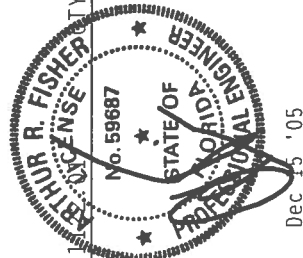
Design C/F/L: IP1=2002(STD)/FBC
Ca/RT=1.25(1.25)/

REF R487 - 14905
DATE 12/15/05

DRW	HCUSR487	05349040
HC-ENG	JB/AF	
SEQN-	162602	



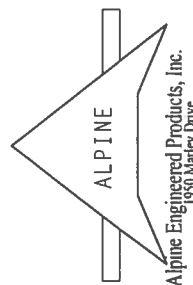
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



Scale = .1875"/Ft.

TC LL	20.0	PSF	REF R487 - 14906
TC DL	10.0	PSF	DATE 12/15/05
BC DL	10.0	PSF	DRW HCUR487 05349041
BC LL	0.0	PSF	HC - ENG JB/AF *
TOT.LD.	40.0	PSF	SEQN - 162608
DUR.FAC.	1.25		

Dec 3, '05



2 COMPLETE TRUSSES REQUIRED

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

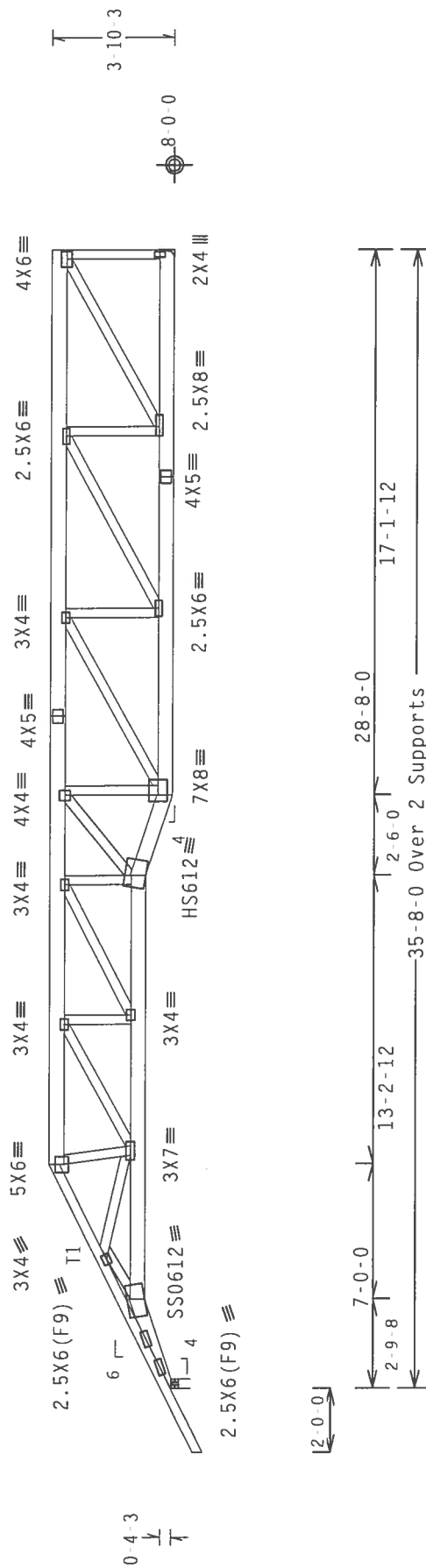
Calculated horizontal deflection is 0.11" due to live load and 0.19" due to dead load.

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

Right end vertical not exposed to wind pressure.

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

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



R=3050 U=639 H=Simpson HGU526-2
w/ (6) 16d, 0.162"x2.5" nails in
w/ (20) 16d, 0.162"x2.5" nails in
Girder is (2) 2X6 min. So.Pine

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: TPI-2002(STD)/FBC
Wave Ca/RT=1.25(1.25)/

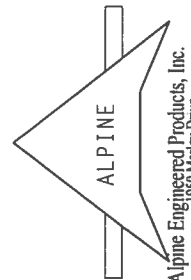
Scale = 1.875" / Ft.

[illegible]

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE SHIP BY CRUSS PLATE INSTITUTE, 583 DUNDEE RD., MADISON, WI 53703, HAS DEVELOPED THESE BEST PRACTICES FOR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING TRUSSES. THESE PRACTICES MUST BE FOLLOWED BY ALL TRUSS FABRICATORS, HANDLERS, SHIPPERS, INSTALLERS AND BRACERS. FAILURE TO FOLLOW THESE PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, MAY BE CAUSAL TO THE FAILURE OF THE TRUSS. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED GIRD CEILING.

*** IMPORTANT *** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM ANY FAILURE MODES IN THUS IN CONFORMANCE WITH IPT; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING TRUSSES IN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND IPE. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ASTM A653 GRADE 40 / 60 (K. H. M.S.) GALV. STEEL. APPLY CONNECTOR PLATES ARE MADE OF 2X8/18" (H. W./TSE) UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS. 160A 2 PLATES TO EACH FACE OF TRUSS AND 160B. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN AS OF JULY 2002 SEC. 3.

IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DESIGN SHOWN AND THE TRUSS COMPONENT OF THE DESIGN SHOWN, THE CONTRACTOR SHALL NOTIFY THE TRUSS COMPANY IMMEDIATELY. THE TRUSS COMPANY WILL ADVISE THE CONTRACTOR OF ANY CORRECTIONS REQUIRED. IF THE TRUSS COMPANY IS NOT CONTACTED IMMEDIATELY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS COMPONENT OF THE DESIGN SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS COMPONENT OF THE DESIGN SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS COMPONENT OF THE DESIGN SHOWN.

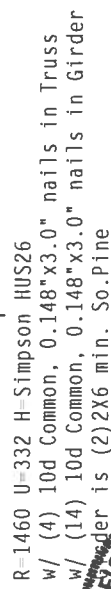


Alpine Engineered Products, Inc.
1950 Marley Drive

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

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

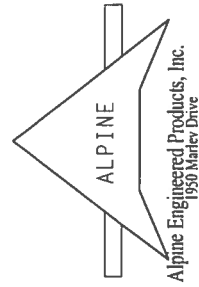


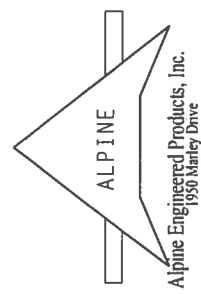
Order is (2)2X6 min. So.Pine
R. FISHER
TY:1 FL/-3/-/-R/-
ENSE
Scale =.1875"/Ft.

WARNING INSECTS REQUIRE EXTREME CARE IN FABRICATION. HANDI, INC. SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPANY, INC. 10000 PINE BLVD. (PINE PLATE) INSTITUTE 363 02000 RIO RD., SUITE 200, MADISON, WI 53719, AND WICK MOORE TRUSS FURNEL, INC. 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. THESE DRAWINGS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS WILL BE AT THE RISK OF THE TRUSS MANUFACTURER. THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF HDOS (NATIONAL DESIGN SPEC., BY AREA) AND THE CONNECTOR PLATES ARE MADE OF 2018/T16GA, (M/M-AS5) ASTM A563 GRADE 40/60 (W, E/F-M) GALV STEEL. PLATES TO EACH FACE OF TRUSSES AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. IF ANY INSPECTION OF PLATES FOLLOWED BY () SHALL BE PER AMBIX 4Z OF TPFI-2002 SEC 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

TC LL	20.0	PSF	REF R487 -- 14909
TC DL	10.0	PSF	DATE 12/15/05
BC DL	10.0	PSF	DRW HCUSR487 05349056
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN - 162830
DUR.FAC.	1.25		





Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B1 2x6 SP #1 Dense:
:B2 2x6 SP #2:
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

Calculated horizontal deflection is 0.24" due to live load and 0.39" due to dead load.

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

Calculated vertical deflection is 0.46" due to live load and 0.73" due to dead load at X = 6'-4"-0.

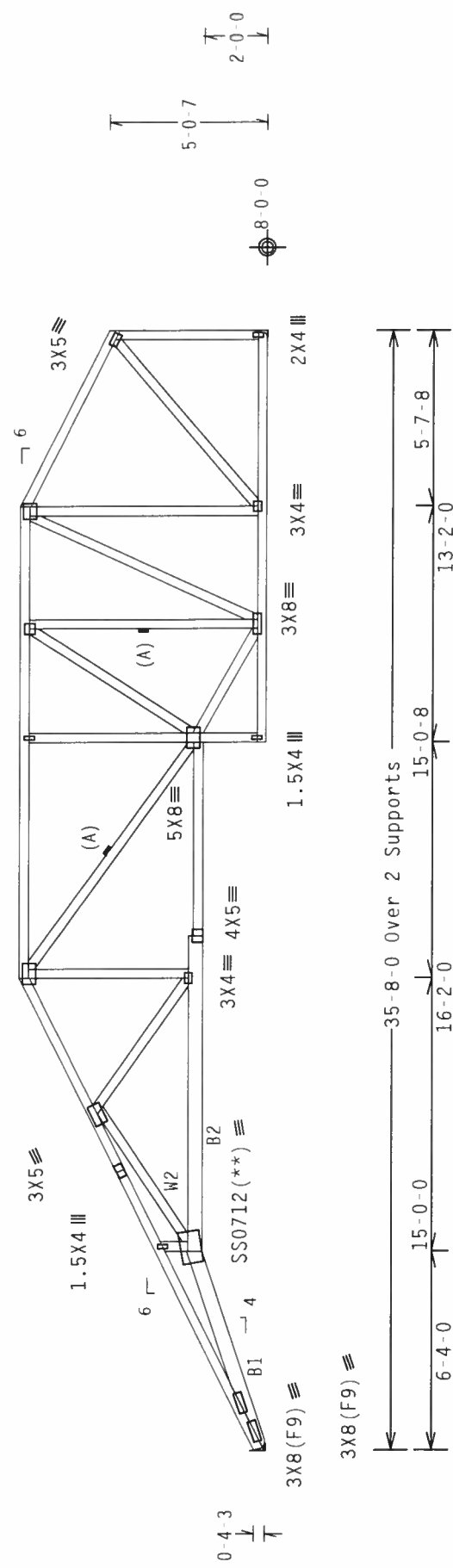
(**) Plate relocated as shown.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

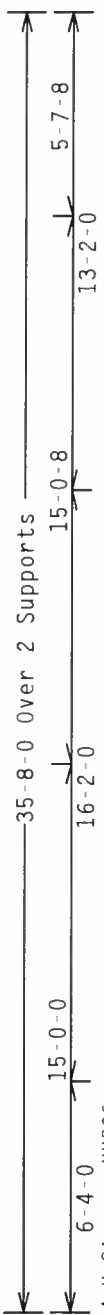
(A) Continuous lateral bracing equally spaced on member.

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



R=1480 U=314 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

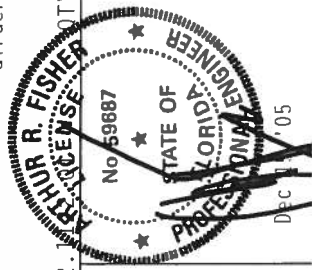
R=1464 U=330 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine



Design Crit: TPI-2002 (STD) / FBC

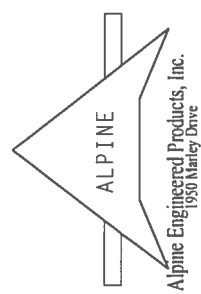
Scale = .1875" / Ft.

TC LL	20.0 PSF	REF R487 --	14911
TC DL	10.0 PSF	DATE	12/15/05
BC DL	10.0 PSF	DRW	HCUSR487 05349084
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	162882
DUR.FAC.	1.25		



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 DUNDREDD 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 THE CONSTRUCTION OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 20 10 16GA (H/H/S K) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. 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 DESIGNER.

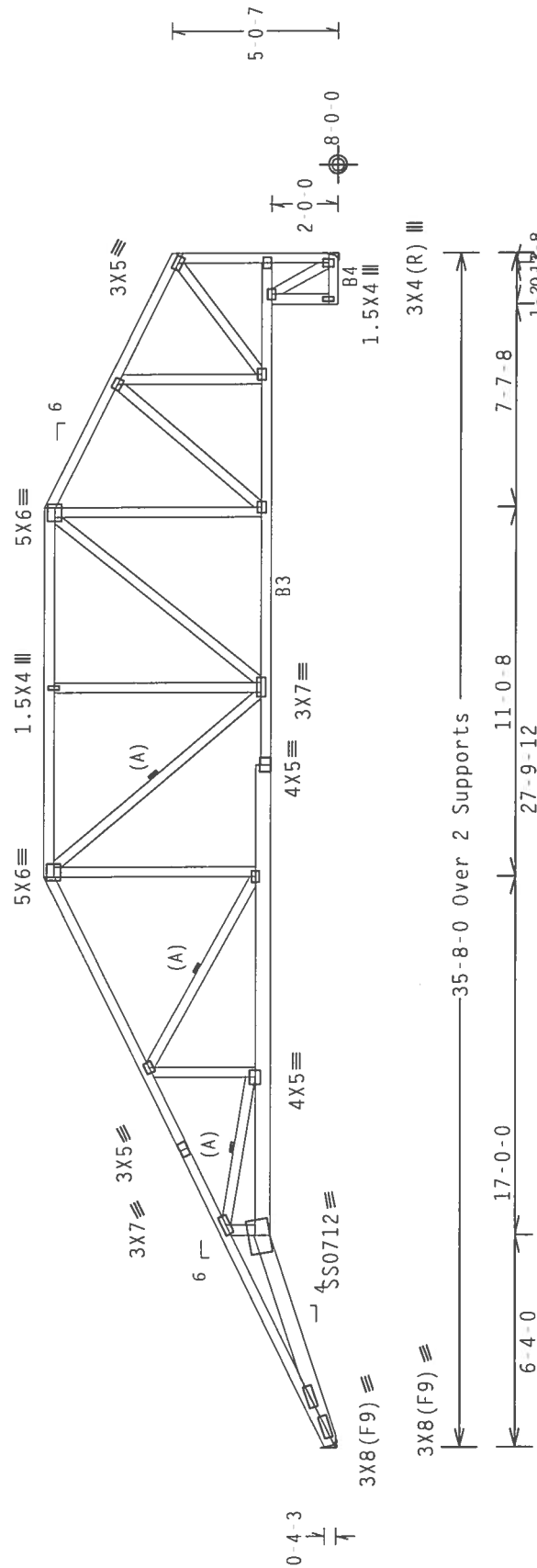


110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

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

chain indicated. Refer to manufacturer publication for additional information.



R=1464 U=329 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

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

 $0(0) \quad 7.22.11$

FL/3/-/R/-

TC LL 20.0 P

TC	DL	10	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
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43	43	43	43	43	43
44	44	44	44	44	44
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68	68	68	68	68	68
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70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73
74	74	74	74	74	74
75	7				

10.0	2
10.0	2

BC DL 10.0 H

BC LL 0.0 P

TOT.LD. 40.0 P

DUR EAC 1 25

CITIZENSHIP

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

*** IMPORTANT *** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERING, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/5/5) ASTM A653 GRADE 40/60 (W/ K/10-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNDERHUNG THIS DESIGN CONDITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES, FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI 2002 SEC.3. A SEAL ON THIS ANNEX INDICATES THAT THE DESIGNING ENGINEER IS ACCEPTING RESPONSIBILITY TO SUE FOR THE TRUSS COMPONENT DESIGN. THE TRUSS IS NOT SUITABLE FOR ANY OTHER USES.

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense :B3, B4 2x4 SP #2 Dense:
Webs 2x4 SP #3

Calculated horizontal deflection is 0.24" due to live load and 0.38" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

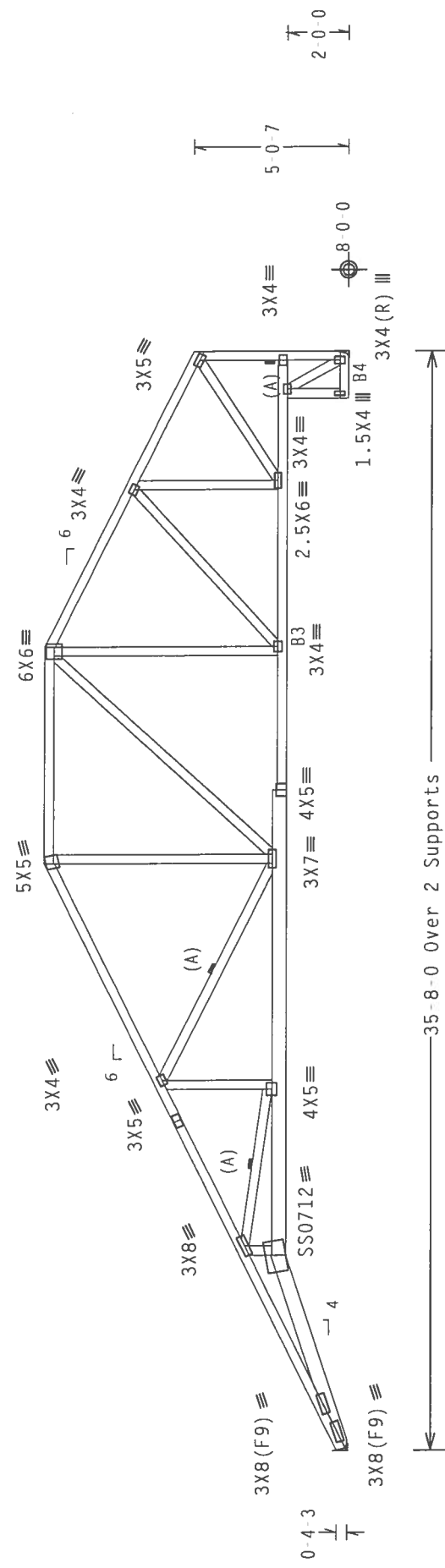
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-2.8 psf, wind BC DL-2.2 psf.

Right end vertical not exposed to wind pressure.

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

Calculated vertical deflection is 0.39" due to live load and 0.62" due to dead load at X = 6-4-0.



35-8-0 Over 2 Supports

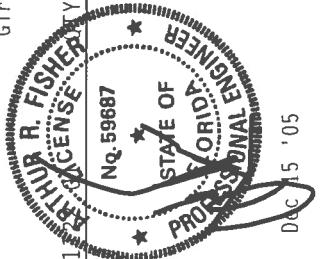
R-1480 U-312 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

R-1464 U-327 H-Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

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

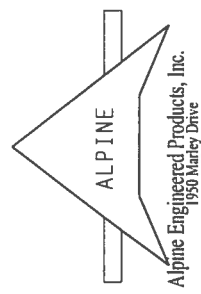
Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 --	14913
TC DL	10.0 PSF	DATE	12/15/05	
BC DL	10.0 PSF	DRW	HCUSR487	05349059
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	162912	
DUR.FAC.	1.25			



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 0-0000 RD DR., SUITE 200, MADISON, WI 53719), AND NETA (NATIONAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719). FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

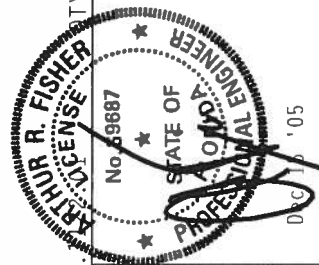
****IMPORTANT**** UNLESS A COPY OF THIS DESIGN IS IN THE INSTALLATION CONTRACTOR'S HANDS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS IN CONFORMANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTORS) AND TPI'S. CONNECTOR PLATES ARE MADE OF 2019/16GA (4-H/5/8) ASH 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 Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTORS (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 DESIGNER.



110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

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



22.

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF R487 - - 14914
TC DL	10.0	PSF	DATE 12/15/05
BC DL	10.0	PSF	DRW HCUSR487 05349060
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 162934
DUR.FAC.	1.25		

Alpine Engineered Products, Inc.
1950 Marley Drive

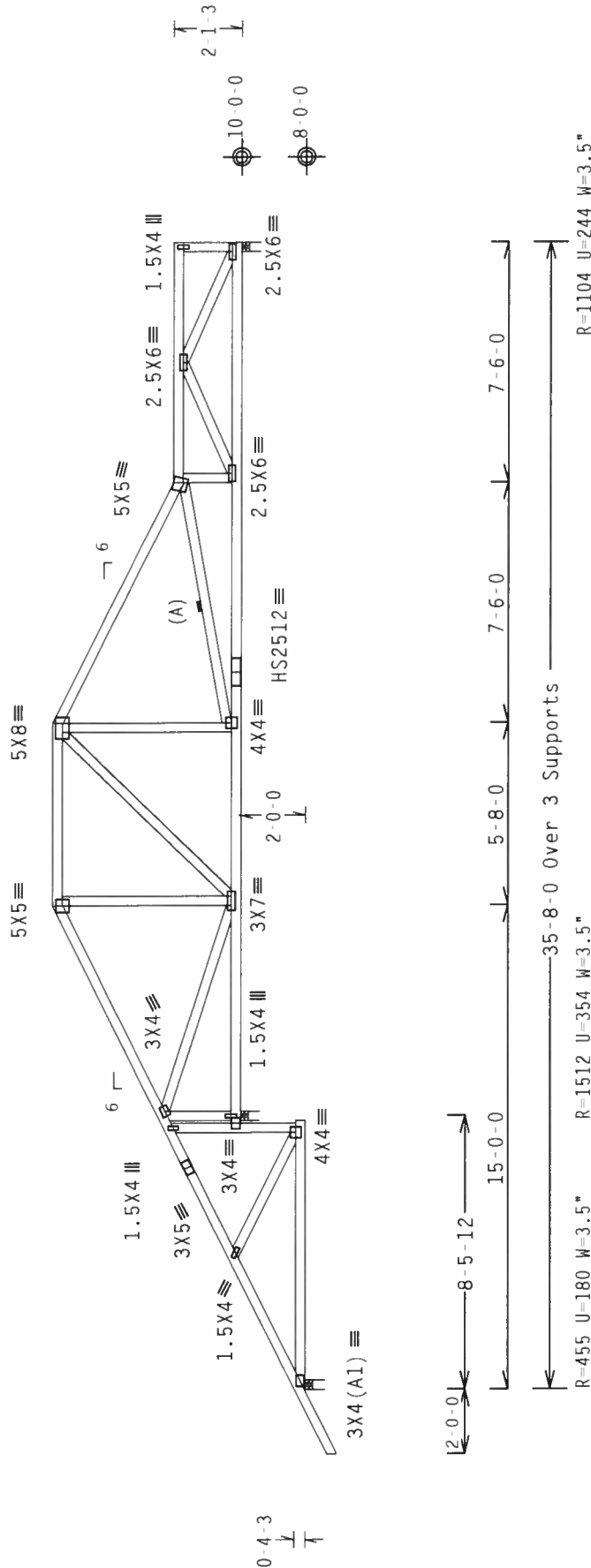
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 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.



PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

7.22.1

FL/-3/-/-R/-

Scale = .1875"/Ft.

ALPINE ENGINEERED PRODUCTS, INC.		No. 59687		TC LL 20.0 PSF		REF R487-- 14916	
ALPINE ENGINEERED PRODUCTS, INC.		STATE OF		TC DL 10.0 PSF		DATE 12/15/05	
ALPINE ENGINEERED PRODUCTS, INC.		PROFESSIONAL ENGINEER		BC DL 10.0 PSF		DRW HCUSR487 05349062	
ALPINE ENGINEERED PRODUCTS, INC.		Dec 15 2005		BC LL 0.0 PSF		HC-ENG JB/AF	
ALPINE ENGINEERED PRODUCTS, INC.				TOT.LD. 40.0 PSF		SEQN- 162963	
ALPINE ENGINEERED PRODUCTS, INC.				DUR.FAC. 1.25			

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIG 1 031 (BUILDING COMPONENTS - TRUSSES), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE - 58) FOR THE LATEST REVISIONS OF THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST EDITION OF THE TPI DESIGN MANUAL, VOLUME 1, PART 1, CHAPTER 10, SECTION 10.1.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST EDITION OF THE TPI DESIGN MANUAL, VOLUME 1, PART 1, CHAPTER 10, SECTION 10.1.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST EDITION OF THE TPI DESIGN MANUAL, VOLUME 1, PART 1, CHAPTER 10, SECTION 10.1.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST EDITION OF THE TPI DESIGN MANUAL, VOLUME 1, PART 1, CHAPTER 10, SECTION 10.1.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST EDITION OF THE TPI DESIGN MANUAL, VOLUME 1, PART 1, CHAPTER 10, SECTION 10.1.1. 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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS, Wave

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

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

Scale = .1875"/Ft.

ALPINE

Alpine Engineered Products, Inc.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE), 583 D'ONOFRIO DR., SUITE 100, MADISON, WI 53719, AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE (ENGINEERED) PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMANCE WITH THIS SPECIFICATION, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 20/19/1/6GA (H-H/VS) ASTM A653 GRADE 40/60 (H-K/VS) GALV. STEEL. ONLY 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 ANNEX A3 OF IPTI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE RUSS COMPONENT

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

REF R487 -- 14917

DATE 12/15/05

DRW HCUSR487 05349063

HC-ENG JB/AF

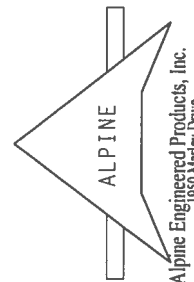
SEQN- 162973

No. 59687

STATE OF

PROFESSIONAL ENGINEER

December 15, 2005



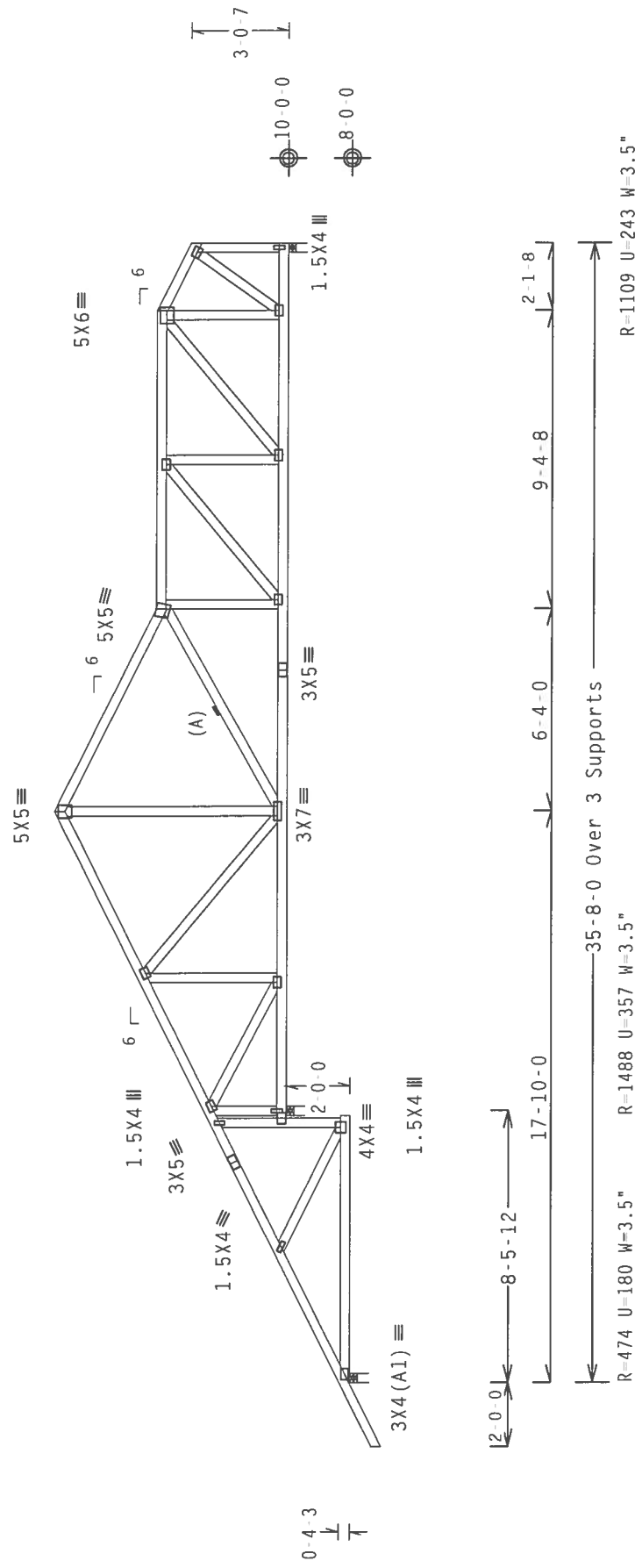
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-2.8 psf, wind
BC DL-2.2 psf.

(A) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

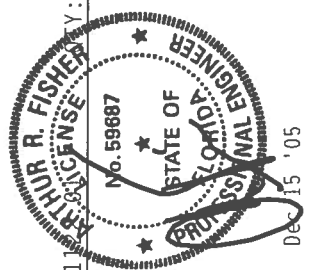
Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 1.50.



Note: All Plates Are 3X4 Except As Shown.

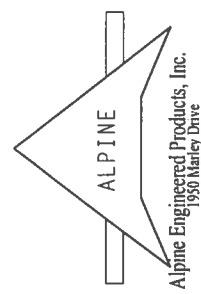
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.25(1.25)/0(0) 7.22.11

PLT TYP. Wave	Scale = .1875" / Ft.
TC LL 20.0 PSF	REF R487 -- 14918
TC DL 10.0 PSF	DATE 12/15/05
BC DL 10.0 PSF	DRW HCUSR487 05349064
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 40.0 PSF	SEON- 162984
DUR.FAC. 1.25	



****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'ODORIO 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. CONNECTOR PLATES ARE MADE OF 2010/16GA (4-1/2/5/3) ASTM A653 GRADE 40/60 IN. K/H/SL GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING'S 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE CREATABILITY AND USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.

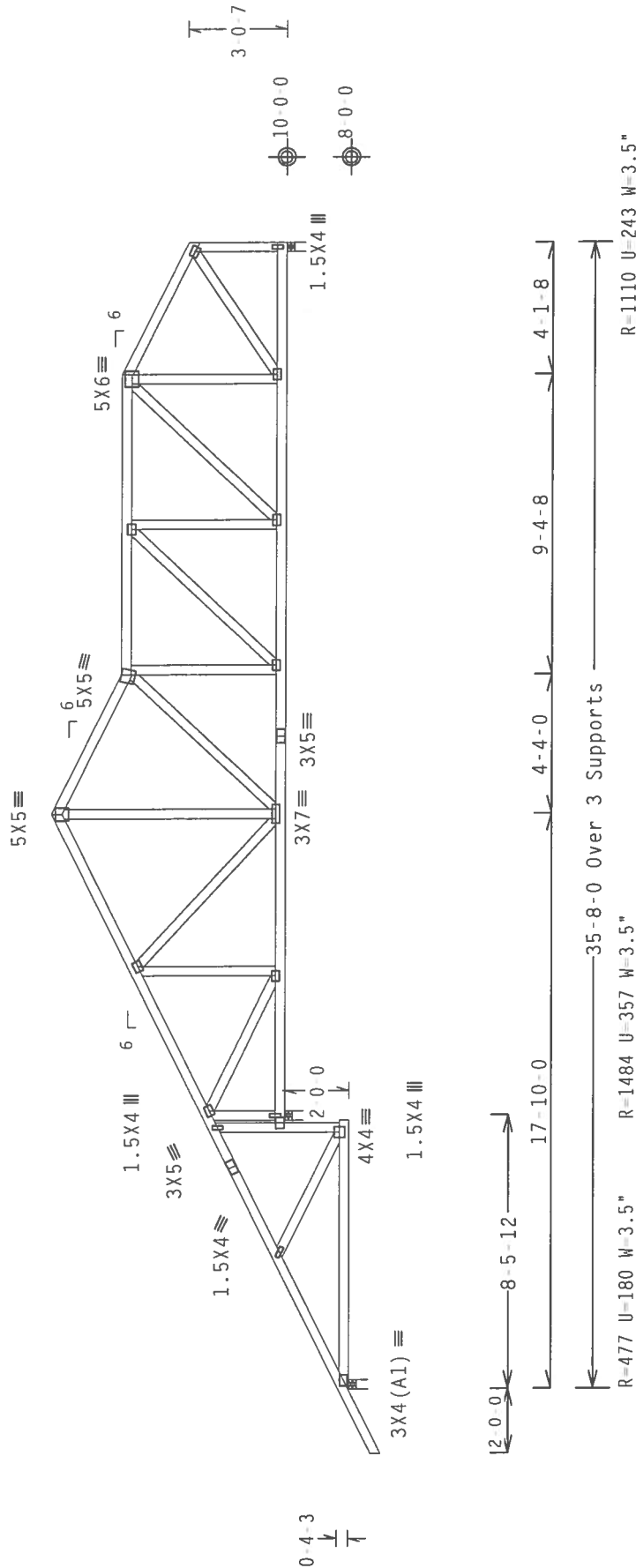


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

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

Right end vertical not exposed to wind pressure.



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.22.11

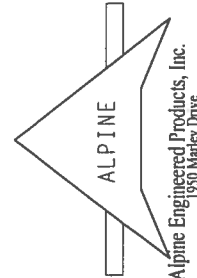
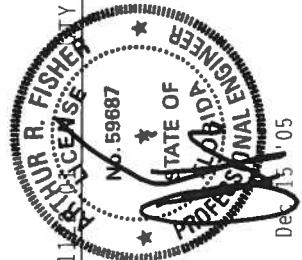
FL/-/3/-/R/-

Scale = .1875"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D OMBRIO 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 DELAYATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ALPINE AND TPI). CONNECTOR PLATES ARE MADE OF 2010/16GA (4-H/5/3) ASH A663 GRADE 40/60 IN. K/H/SI GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE CREATIVITY AND USE OF THIS COMPONENT AND ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.

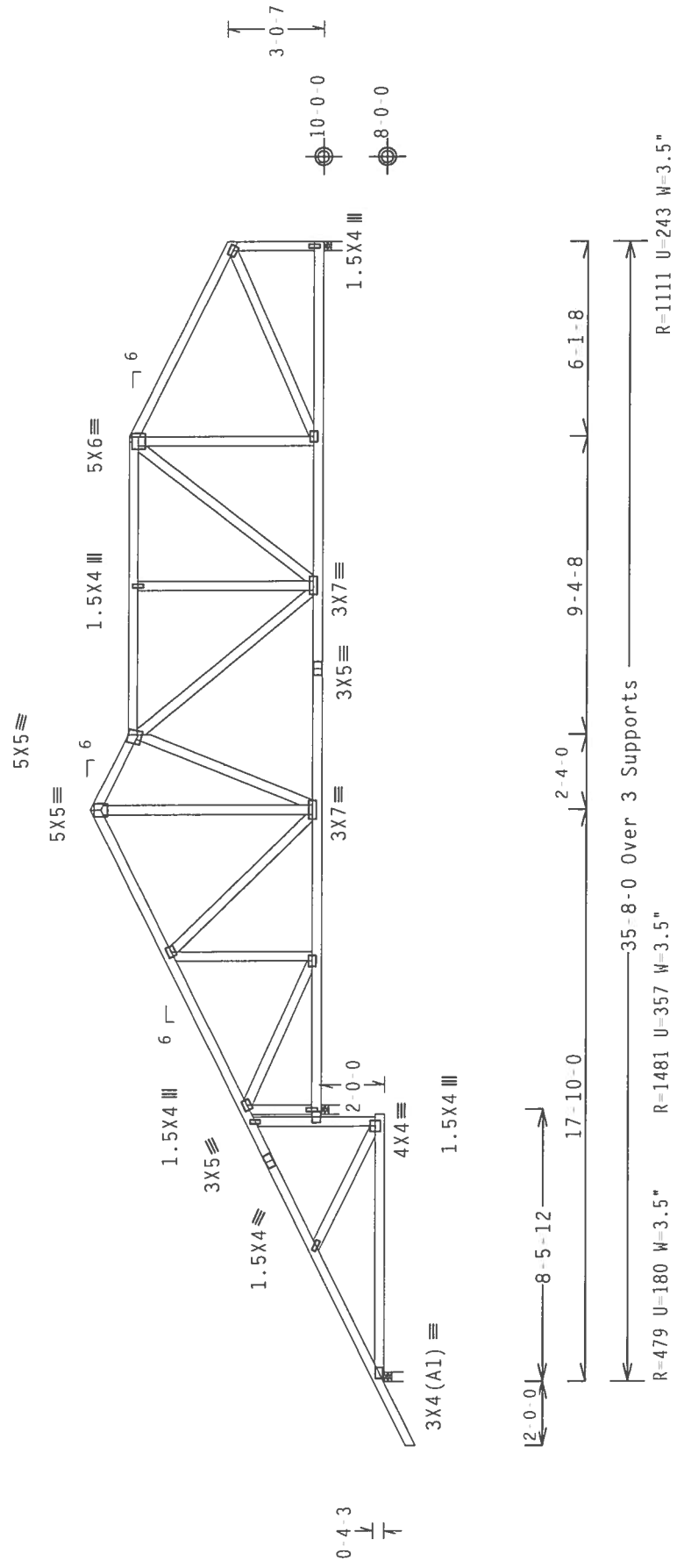


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

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

Right end vertical not exposed to wind pressure.



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

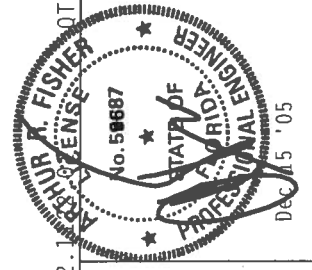
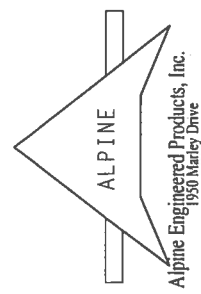
Cq/RT=1.25(1.25)/0(0) 7.22.1

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

Scale = 1/875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC61 3-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMORIO 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.

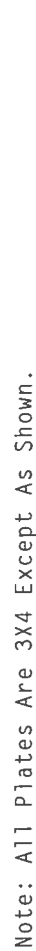
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY ALPINE AND TPI. CONNECTOR PLATES ARE MADE OF 20/10/16GA (H-H/SX) ASH AGED GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE ENTIRETY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.



TC LL	20.0 PSF	REF	R487 --	14920
TC DL	10.0 PSF	DATE	12/15/05	
BC DL	10.0 PSF	DRW	HCUSR487	05349066
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	162999	
DUR.FAC.	1.25			

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

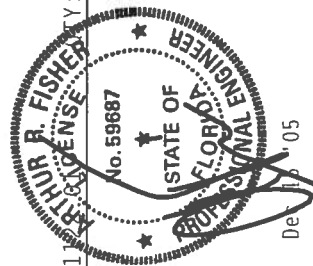
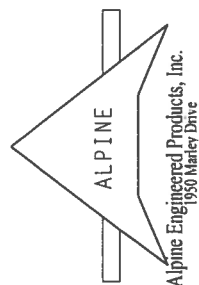
Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R487 - 14921
TC DL	10.0 PSF	DATE 12/15/05
BC DL	10.0 PSF	DRW HCUR487 05349067
BC LL	0.0 PSF	HC ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 163010
DUR.FAC.	1.25	

[illegible][illegible]

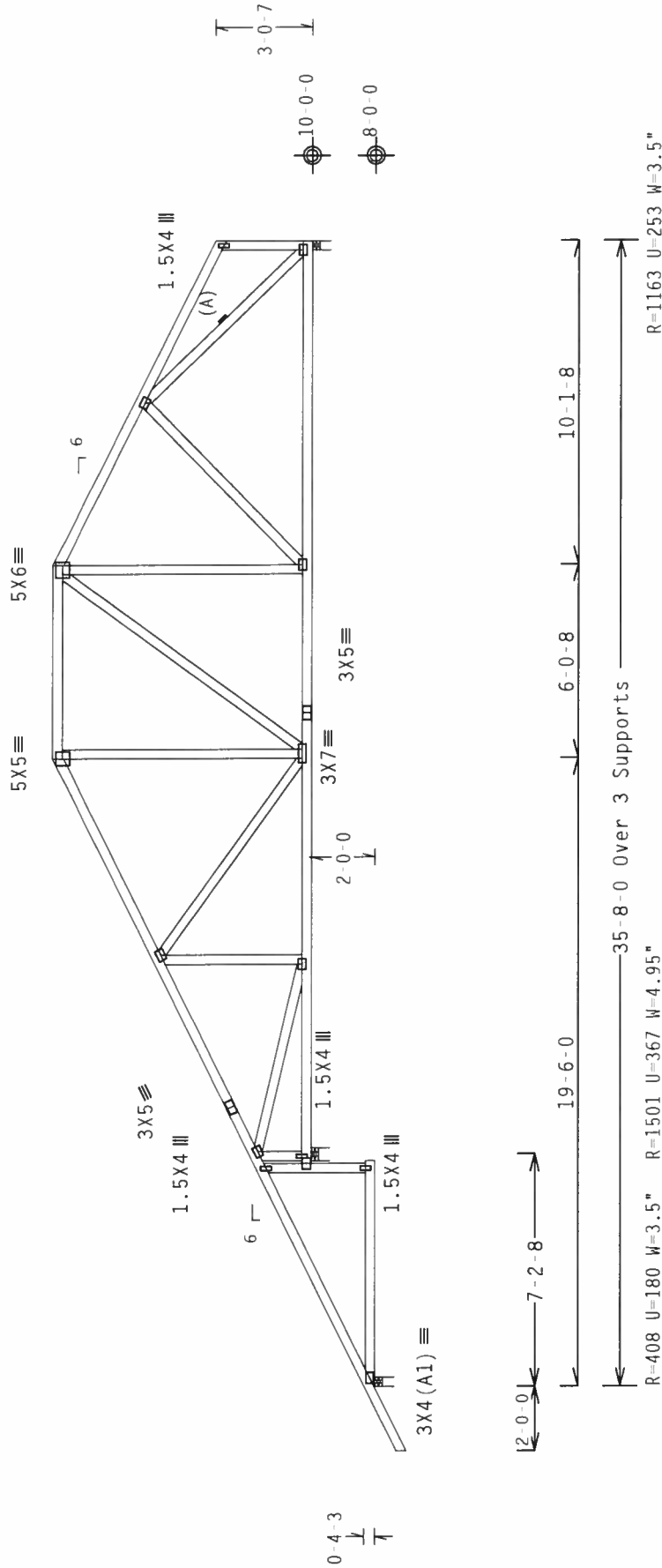
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

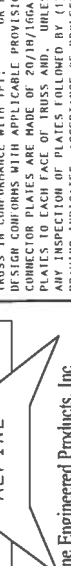
PLT TYP. Wave

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

7.22.1

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

Scale = .1875"/Ft.

 Alpine Engineering Products, Inc. 1950 Marley Drive	R=408 U=180 W=3.5" R=1501 U=367 W=4.95"		R=1163 U=253 W=3.5"					
	12-0-0		10-1-8					
	7-2-8		6-0-8					
	19-6-0		10-1-8					
	35-8-0 Over 3 Supports		R=1163 U=253 W=3.5"					
PLT TYP. Wave								
Design Crit: TPI-2002(STD)/FBC								
Cq/RT=1.25(1.25)/0(0) 7.22.1								
FL/-/3/-/-R/-								
Scale = .1875"/Ft.								
REF R487 -- 14922								
DATE 12/15/05								
DRW HCUR487 05349068								
HC-ENG JB/AF								
SEQN- 163019								
DUR.FAC. 1.25								
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								

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STATE OF WISCONSIN
PROFESSIONAL ENGINEER
No. 59687
JAN 05

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

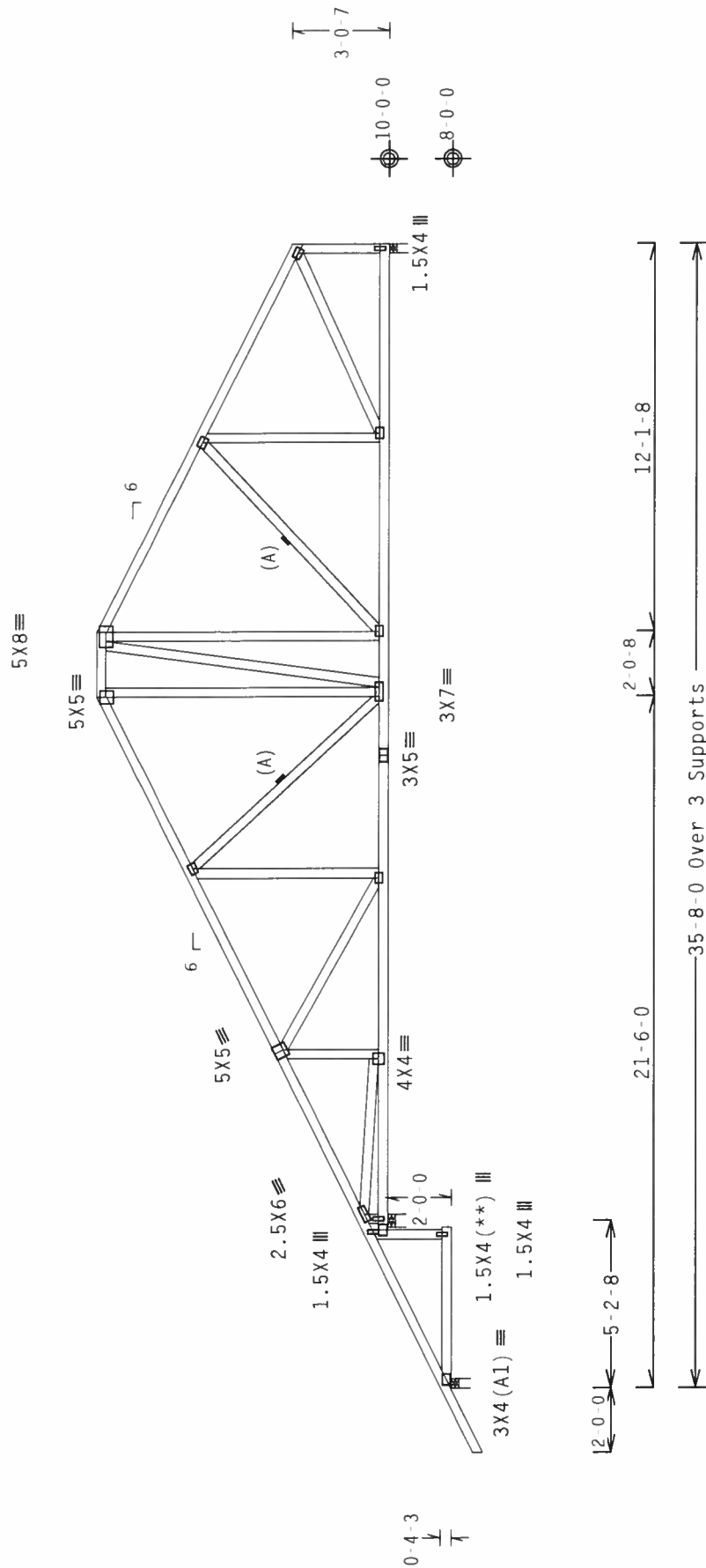
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

(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.

(**) Plate relocated as shown.

Right end vertical not exposed to wind pressure.



R-346 U=180 W=3.5"
R=1480 U=363 W=4.95"

R=1245 U=271 W=3.5"

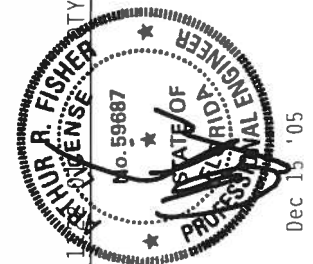
Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

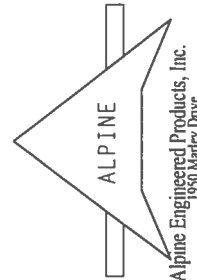
Scale = .1875"/Ft.



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TC LL	20.0 PSF	FL/-/3/-/R/-	REF	R487--	14923
TC DL	10.0 PSF		DATE	12/15/05	
BC DL	10.0 PSF		DRW	HCUSR487	05349069
BC LL	0.0 PSF		HC-ENG	JB/AF	
TOT.LD.	40.0 PSF		SEQN-	163033	
DUR.FAC.	1.25				



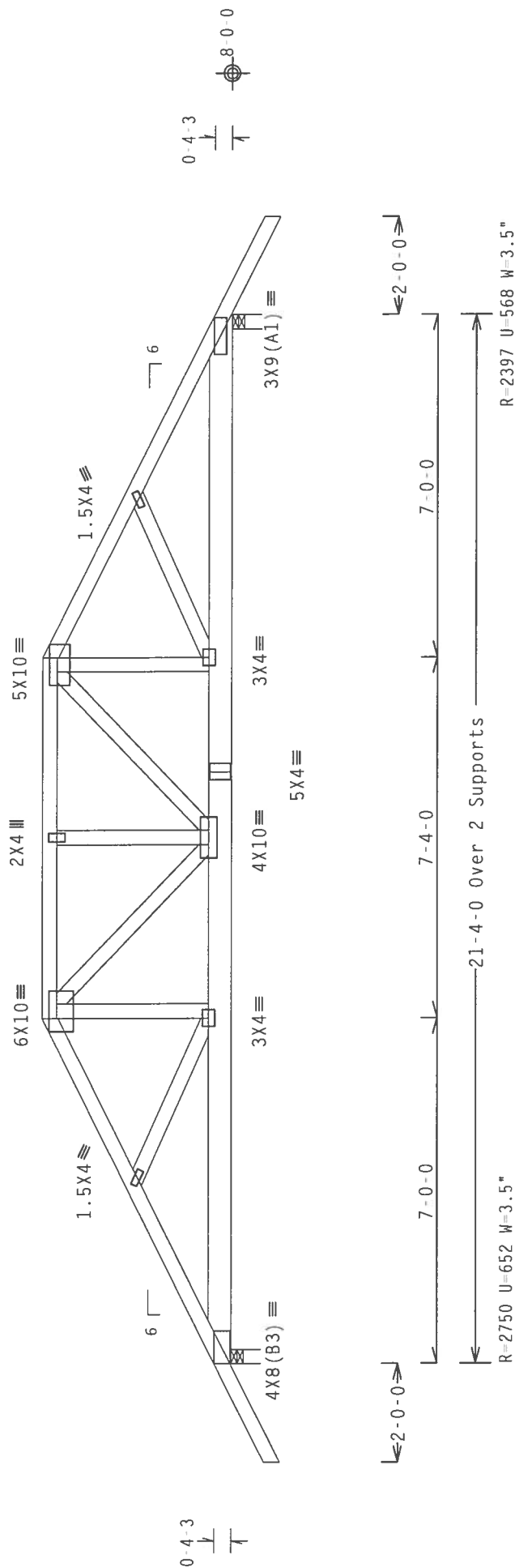
	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x6	SP	#1	Dense	
		webs	2x4	SP	#3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CL05ED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

SPECIAL LOADS

		(LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)
TC	From	62 PLF at -2.00 to 62 PLF at 23.33
BC	From	4 PLF at -2.00 to 4 PLF at 0.00
BC	From	20 PLF at 0.00 to 20 PLF at 21.33
BC	From	4 PLF at 21.33 to 4 PLF at 23.33
TC	433 LB Conc.	Load at 7.00
TC	182 LB Conc.	Load at 9.06
TC	999 LB Conc.	Load at 10.60
BC	432 LB Conc.	Load at 7.00
BC	77 LB Conc.	Load at 9.06
BC	999 LB Conc.	Load at 10.60



PLT TYP. Wave

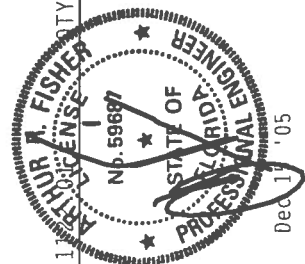
Design Crit: TPI-2002(STD)/FBC

7.22.11

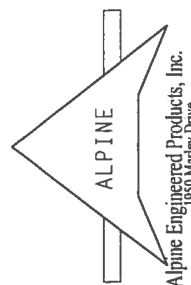
QTY: 1 FL/-/3/-/-/R/

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R487 - - 14924
TC DL	10.0 PSF	DATE 12/15/05
BC DL	10.0 PSF	DRW HCUR487 05349070
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 127747
DUR.FAC.	1.25	



Dec 17 '05



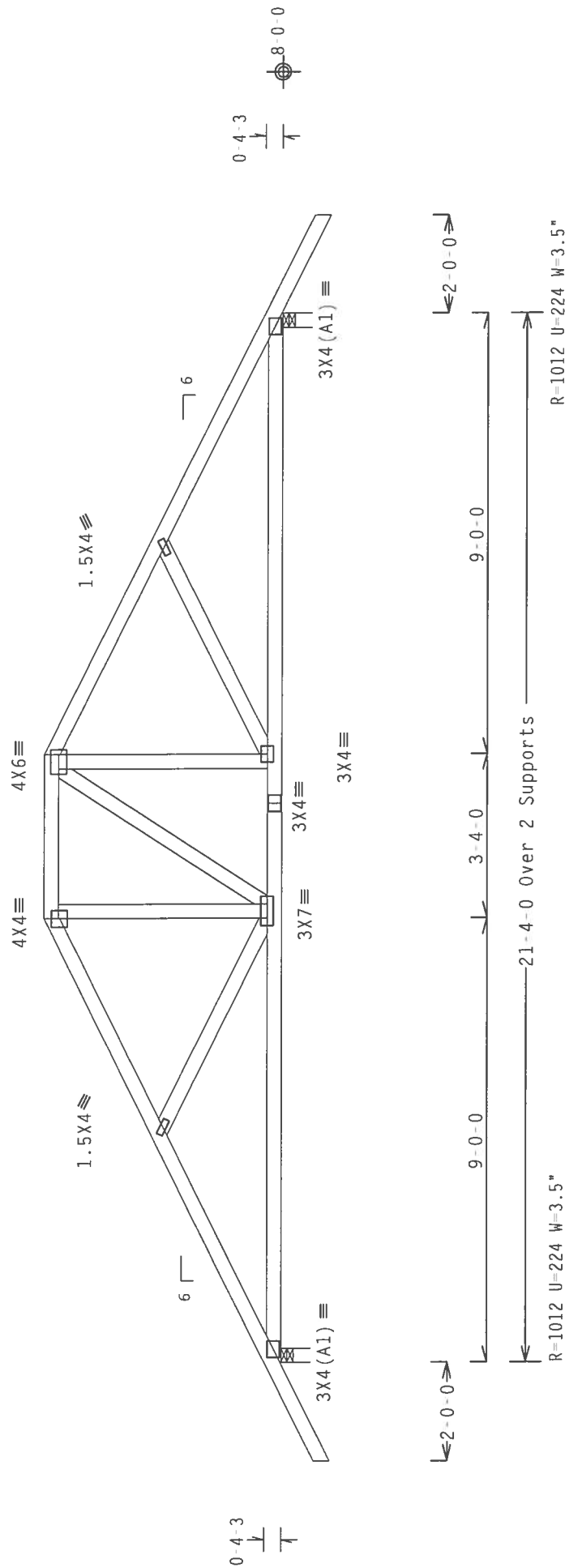
Alpine Engineered Products, Inc.
1050 Marlow Drive

WARNING THOSE WHO REQUIRE EXTERIOR CARE IN FABRICATION, HANDING, SHIPPING, INSTALLATION AND BRACING REFER TO BCSP's 103 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE STEEL PLATE INSTITUTE, 583 WEST 69TH ST., SUITE 200, MANHATTAN, NY 10019, AND CHORD TRUSSES COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719. FOR SAFE 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 CELLING.

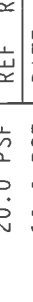
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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



Scale = .3125"/Ft.



Alpine Engineered Products, Inc.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC61 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'AMORELLO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY OVIATION FROM THIS DESIGN. ANY FAILURE TO THROUSE THE CONFORMANCE WITH THIS DESIGN FOR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGNER, CONTRACTOR, OR INSTALLER. PROFILES ARE MADE OF 20/18/16GA. (4-VINUS) ASTM A653 GRADE 40/60 (4 V/L/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 TPI11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

PROFESSIONAL ENGINEER

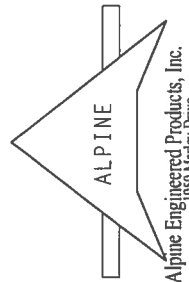
FLORIDA

NO. 59687

STATE OF

DEC 5 '05

TC LL	20.0 PSF	REF	R487 -	14925
TC DL	10.0 PSF	DATE	12/15/05	
BC DL	10.0 PSF	DRW	HCUSR487	05349042
BC LL	0.0 PSF	HC-ENG	JB/AF	★
TOT.LD.	40.0 PSF	SEQN-	127754	
DUR.FAC.	1.25			

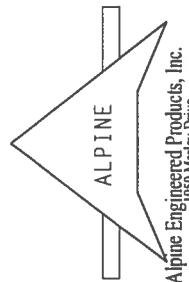


110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

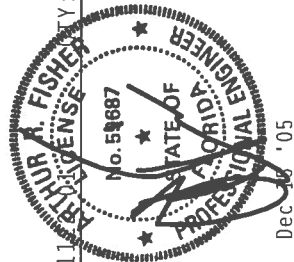


Scale = .3125"/Ft.

A circular professional engineer seal for the State of Florida. The outer ring contains the text "R. FISHER" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the text "STATE OF FLORIDA" is written in a semi-circle, and "LICENSE NO. 59687" is written in the center. A handwritten signature is scrawled across the seal, and the date "Dec 5 '05" is written to the right of the seal.



110 mph wind, 15,00 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R487 - 14927
TC DL	10.0 PSF	DATE 12/15/05
BC DL	10.0 PSF	DRW HCUR487 05349044
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEON - 127771
DUR.FAC.	1.25	

Alpine Engineered Products, Inc.
1950 Marley Drive

Dec 18, '05

2 COMPLETE TRUSSES REQUIRED

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

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

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

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

BC - From	20 PLF at 0.00 to	20 PLF at 21.33
BC - From	20 PLF at 0.00 to	20 PLF at 21.33

BC - 1464 LB Conc. Load at 2.27, 4.27, 6.27, 8.27

BC - 3050 LB Conc. Load at 14.21

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(**) Plate relocated as shown.



Design Crit: TPI-2002(STD)/FBC

7.22.13

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

Scale = .3125"/Ft.

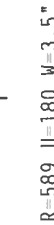
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, CRUISING PLANT, AND BRACING. REFER TO BCSP 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRUISING PLANT INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL TRUSS COUNCIL OF AMERICA, 6200 PLYMOUTH, U.S.A., 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 CELLING.

Alpine Engineered Products, Inc.
1950 Marley Drive

Dec 5 '05

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



w/ (2) 10d, 0.148"x1.5" nails in Truss

(4) 10d Common, 0.148"x3.0" nails in Girder

Assignment Crit.: TPI-2002(STD)/ERC

 $Cq/RT=1.25(1.25)/0(0)$ 7.22.1

Scale = .5"/Ft.



ALPINE
Engineered Products, Inc.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 563 D'AMORE DR., SUITE 200, HADISON, NJ 07919) 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 TRUSSES ACCORDING TO THIS DESIGN OR ANY OTHER CODES OR STANDARDS SHALL BE THE RESPONSIBILITY OF THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF INTERNATIONAL DESIGN SPEC. IN KEEPING WITH THE DESIGN, CORRELATOR PLATES ARE MADE OF 20/18/16GA (14/15/2/3) ASTM A653 GRADE 40/60 (14 K/16 S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

No. 59687

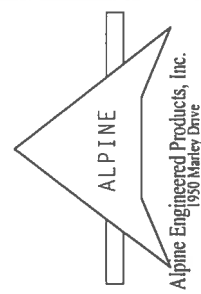
STATE OF

PROFESSIONAL ENGINEER

DEC 15 '05

TC LL	20.0	PSF	REF	R487 -- 14929
TC DL	10.0	PSF	DATE	12/15/05
BC DL	10.0	PSF	DRW	HCUSR487 05349045
BC LL	0.0	PSF	HC-ENG	JB/AF
TOT.LD.	40.0	PSF	SEQN-	127644
DUR.FAC.	1.25			

Dec 15 '05



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

SPECIAL LOADS

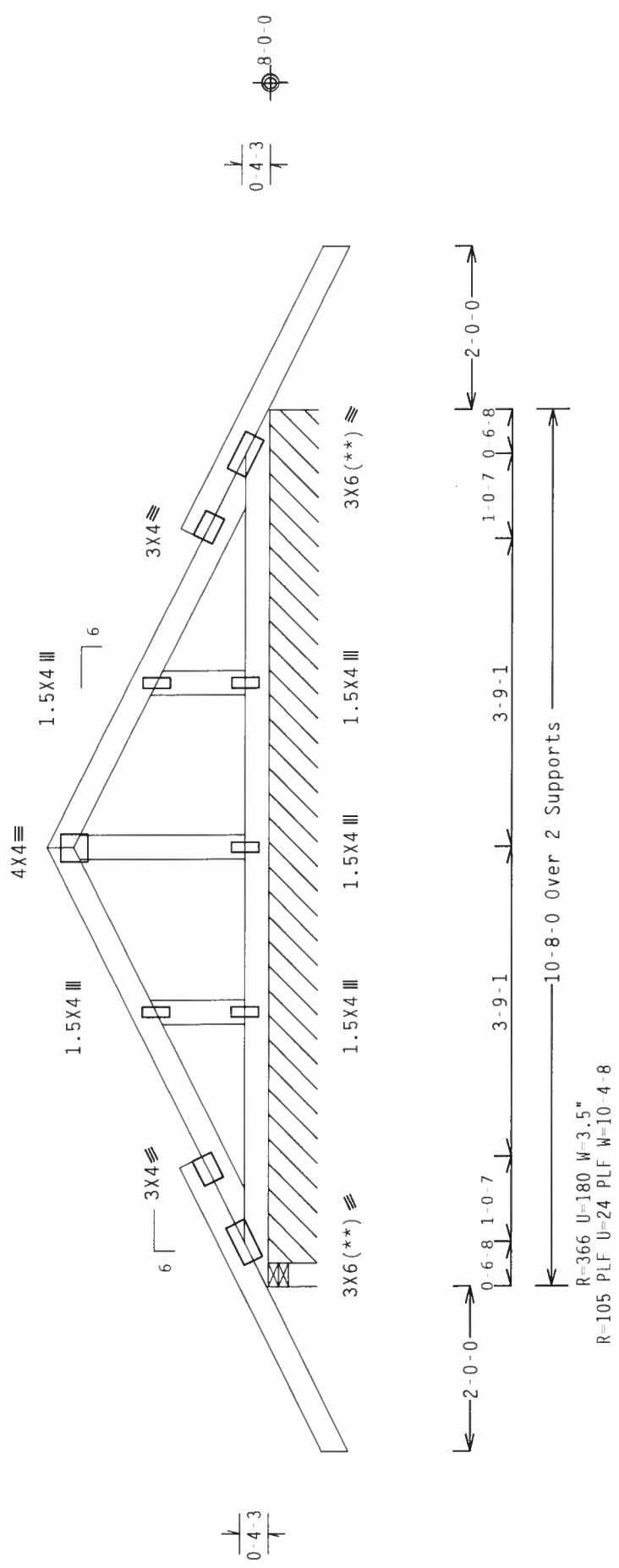
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 83 PLF at -2.00 to 83 PLF at 12.67
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 10.67
BC - From 4 PLF at 10.67 to 4 PLF at 12.67

(**) Plate relocated as shown.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, Exp B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

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=1.25(1.25)/0(0) 7.22.1

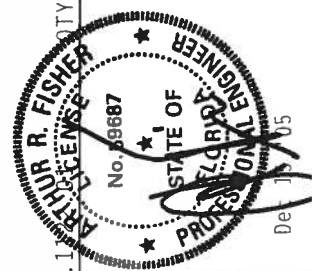
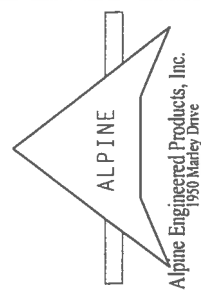
PLT TYP. Wave

FL/-/3/-/R/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 J 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDRIO DR., SUITE 200, MADISON, WI 53719) AND NCA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSSES. ANY FAILURE TO BUILD THE TRUSSES 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 20 10/16GA (4-11 5/16) ASH A653 GRADE 40/60 (IN. K/11.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 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 DESIGNER.



TC LL	20.0 PSF	REF	R487 - - 14931
TC DL	10.0 PSF	DATE	12/15/05
BC DL	10.0 PSF	DRW	HCUSR487 05349072
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	127657
DUR.FAC.	1.25		

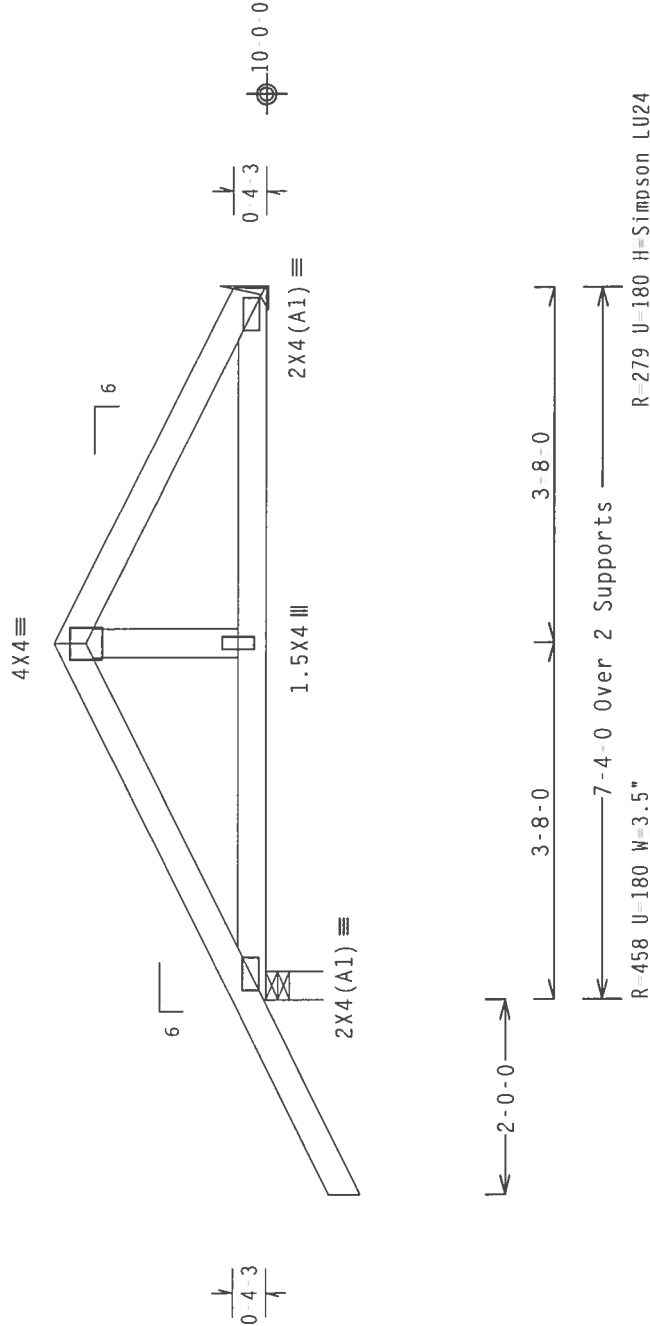
Alpine Engineered Products, Inc.
1950 Marley Drive

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, Exp B, wind TC DL-2.8 psf, wind BC DL-2.2 psf.

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

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



R-279 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (2) 10d Common, 0.148"x3.0" nails in Girder

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

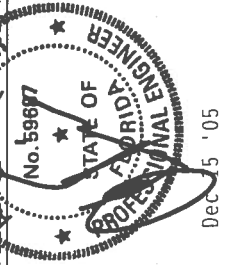
Cq/RT=1.25(1.25)/0(0)

7.22.11

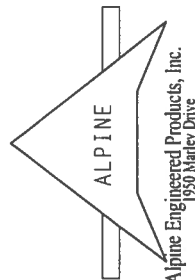
Scale = .5"/Ft.

****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, 583 D'ONOFRIO 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 THE SPECIFICATIONS, INCLUDING SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN & CONSTRUCTION OF THE TRUSS, OR THE FAILURE TO FOLLOW THE SPECIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. CORRECTOR PLATES ARE MADE OF 2018/14GA (4-11/16) ASTM A563 GRADE 40/60 IN. KINIS GALT, STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT. THE ENGINEERED AND NOT BE USED FOR ANY OTHER PURPOSES AND THE MATERIALS OF THE MANUFACTURED BY THE



Dec 5 '05



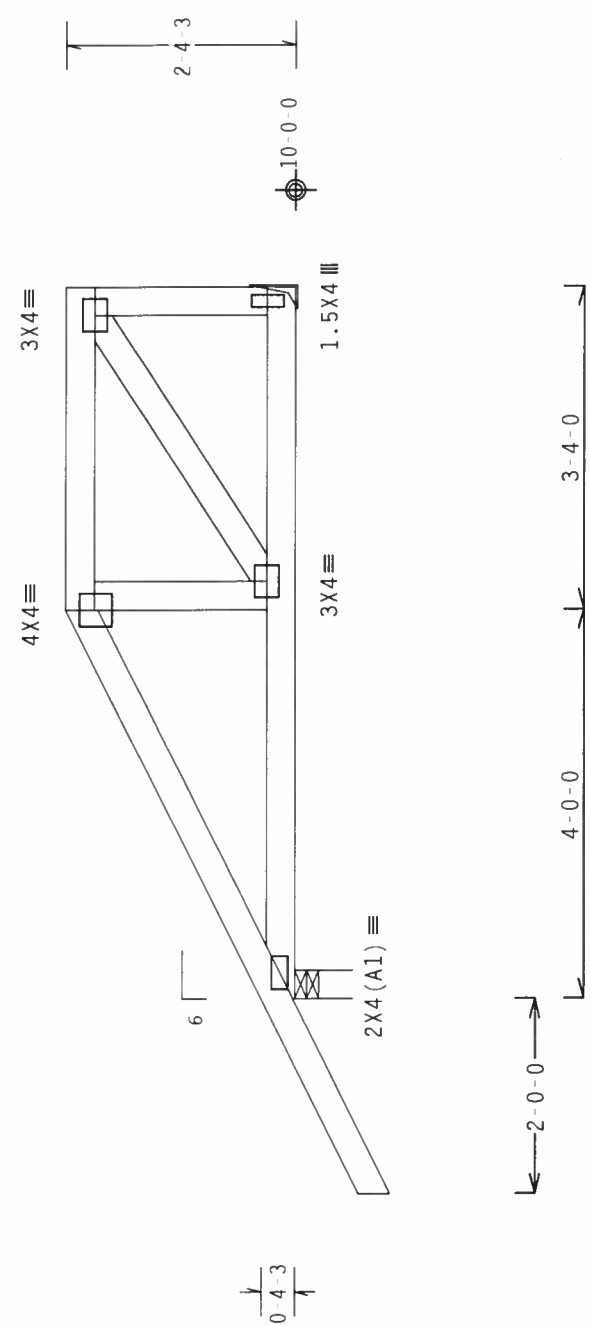
TC LL	20.0 PSF	REF	R487 -- 14933
TC DL	10.0 PSF	DATE	12/15/05
BC DL	10.0 PSF	DRW	HCUSR487 05349047
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEON-	127715
DUR.FAC.	1.25		

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

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

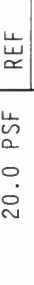


R-275 U=180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is 2x4 min. So Pine

Design Crit: TPI-2002(STD)/FBC

Scale = .5" / Ft.

PLI T.P. Wave



ALPINE

Alpine Engineering Products, Inc.

$C_d/K_1 = 1.25 (1.25 / \sqrt{U})$
 $1.22 (1.25 / \sqrt{U})$

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BGSI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583 D'AMORIO 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 TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&A) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (H, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3 A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

Dec 15 '05

Alpine Engineered Products, Inc.
1950 Marley Drive

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

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

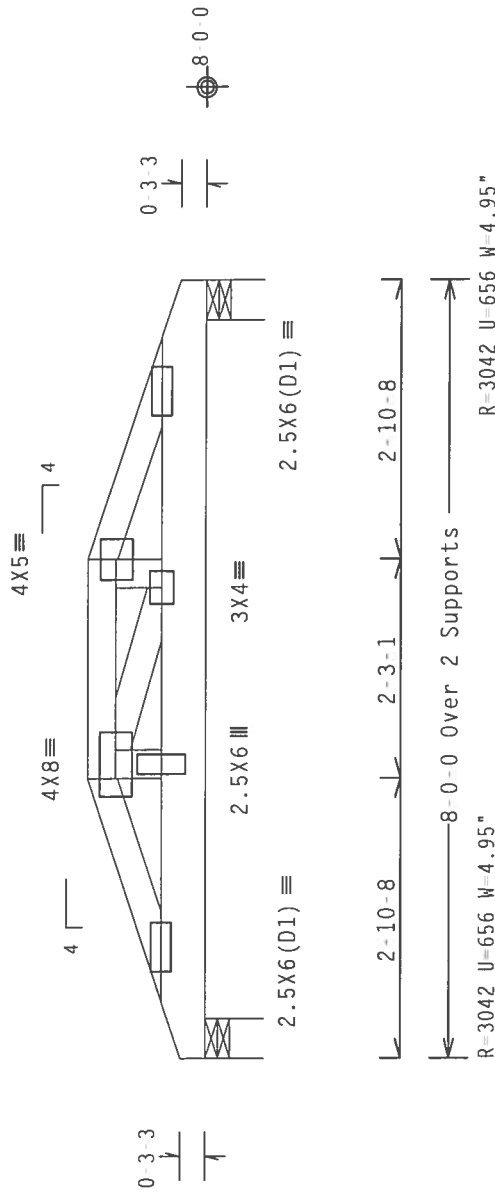
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @5.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Girder supports 35-8-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.



PLT TYP. Wave

Design Crit: TPI-2002 (STD)/FBC

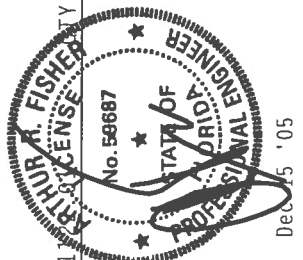
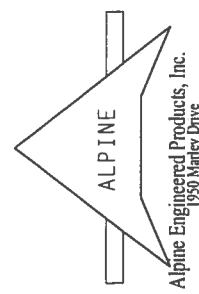
Cq/RT=1.25(1.25)/0(0)

7.22.11

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTA (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 CONFORMS WITH APPLICABLE PROVISIONS OF 2010 NATIONAL DESIGN SPEC. BY AERIAL AND TPI. CONNECTOR PLATES ARE MADE OF 2010/18/16GA (4-1/2/5/3) ASH A563 GRADE 40/60 IN. K/H/SI GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC 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 CIRCULARITY AND USE OF THIS INFORMATION FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.



TC LL	20.0 PSF	FL / - / 3 / - / R / -	REF R487 - 14935
TC DL	10.0 PSF		DATE 12/15/05
BC DL	10.0 PSF		DRW HCUSR487 05349074
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF		SEON- 127803
DUR.FAC.	1.25		

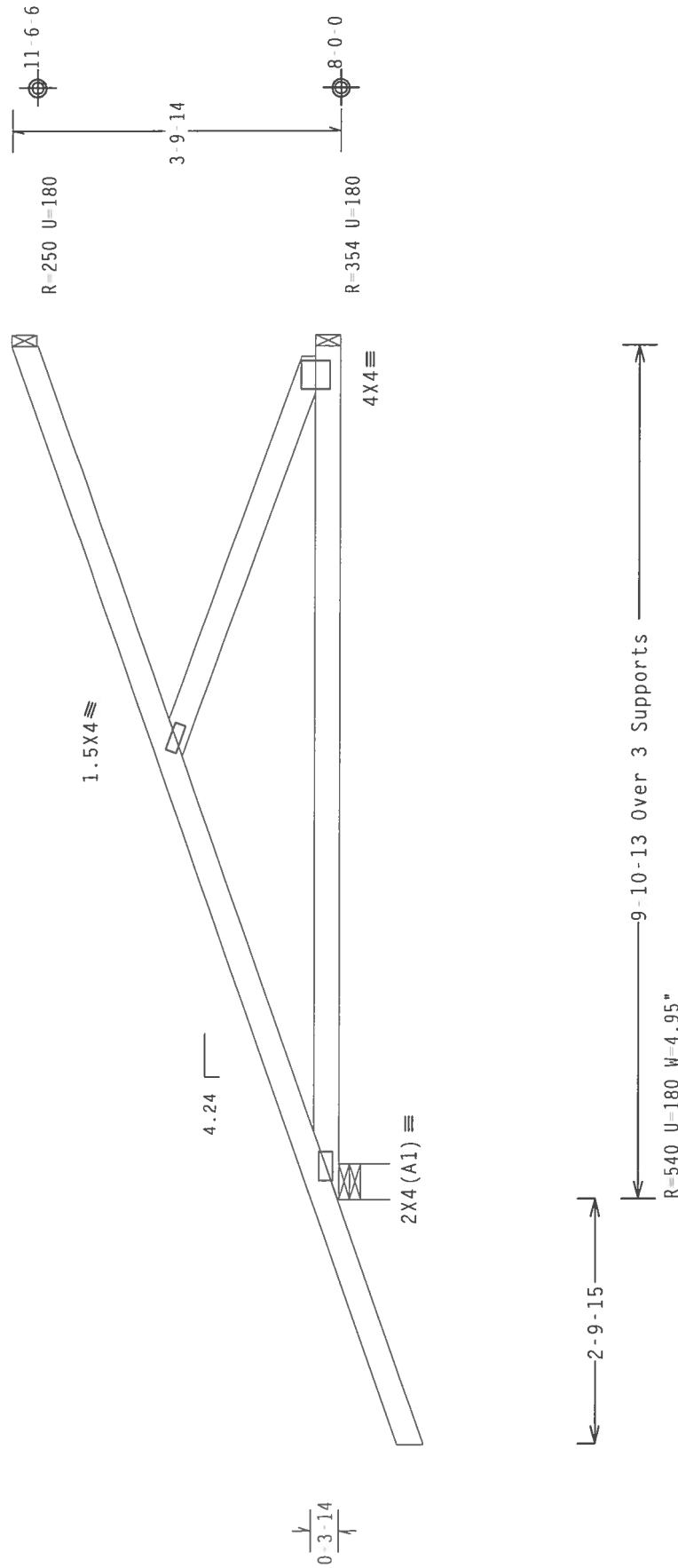
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL-2.8 psf, wind BC DL-2.2
psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

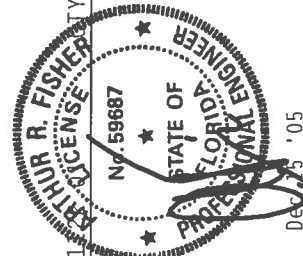
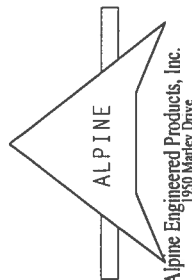
7.22.1

FL/-3/-/R/-

Scale = 1/4" = 1'-0"

****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, 593 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 ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS SHALL BE DESIGNED TO CONFORM WITH THE FOLLOWING: 1. NATIONAL DESIGN SPEC. FOR ALPINE, AND TPI. 2. 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 160A-2. 3. 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 USER.



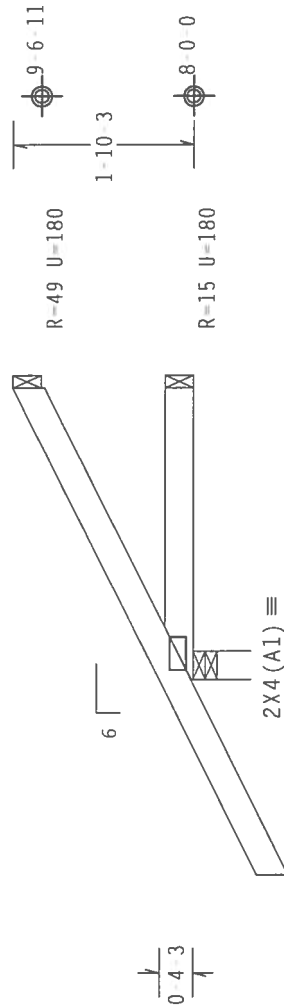
TC LL	20.0 PSF	REF	R487 - 14938
TC DL	10.0 PSF	DATE	12/15/05
BC DL	10.0 PSF	DRW	HCUSR487 05349077
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN	127598
DUR. FAC.	1.25		

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



2-5-8
3'-0" Over 3 Supports
R=317 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

$$Cq/RT=1.25(1.25)/0(0) \quad 7.22.11$$

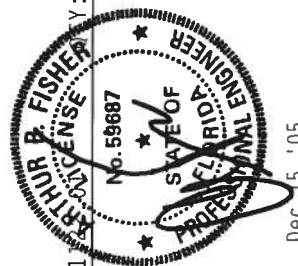
FL/-/31/-/-/R/-

Scale = .5" / Ft.

WARNING: TRUSSES REQUIRE EXTERIOR CARPENTRY FABRICATION, HANDING, SHIPPING, UNLOADING AND BRACING. REFER TO BCS1 03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI, (TRUSSES PLATE), 583 S. DORTCH RD., SUITE 600, MADISON, WI 53719, AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 63000 INTERSTATE 40, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO INSTALLING 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 SHALL BE RESPONSIBLE FOR PROVIDING THE FOLLOWING INFORMATION TO THE CONTRACTOR:

DESIGN CONFORMS WITH THE FOLLOWING SPECIFICATIONS:
THRUSS IN COMPLIANCE WITH TPI - OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING THRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY APA) AND IBC.
CONNECTOR PLATES ARE MADE OF 20/18/16GAL (W-H-S-GAL) ASTM A563 GRADE 46/60 (W, K/H-I-5) GALV. STEEL
PLATES TO EACH FACE OF THRUSS, UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 16GA-2
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMNH AS OF 1911 2002 SEC'3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF THE DESIGN AND ASSUMES RESPONSIBILITY FOR THE TRUSS COMPONENT
AND THE TRUSS SHOWN. THE SEALS WILL BE AFFIXED TO THE BOTTOM CHORD MEMBERS.



Dec 15 '05

DUR.FAC. 1.25

SEQN-	127588
-------	--------

HC-ENG JB/AF

ORW HCUSR487 05349049

DATE 12/15/05

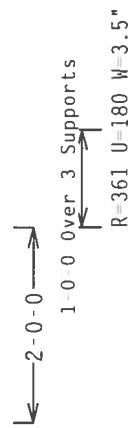
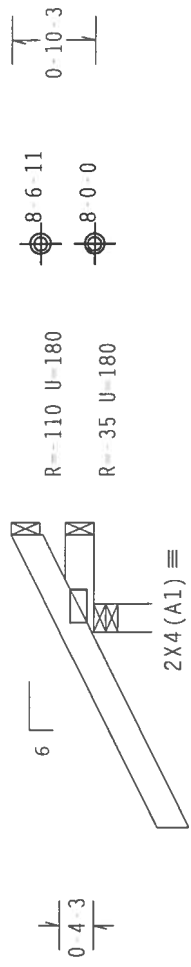
OFF R487-- 1A939

Scale = .5" / Ft.

Alpine Engineered Products, Inc.
1950 Marley Drive

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

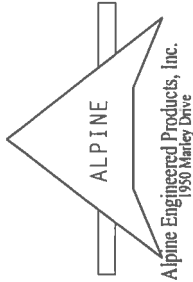


Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.25(1.25)/0(0) 7.22.1

PLT TYP. Wave	TY: 6	FL / - / 3 / - / R / -	Scale = .5" / Ft.
	TC LL	20.0 PSF	REF R487 - 14940
	TC DL	10.0 PSF	DATE 12/15/05
	BC DL	10.0 PSF	DRW HCUSR487 05349078
	BC LL	0.0 PSF	HC-ENG JB/AF
	TOT. LD.	40.0 PSF	SEQN - 127592
DUR. FAC.		1.25	

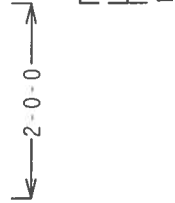
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D-ORFORD DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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 TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/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 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN ENGINEER.



Dec 15 '05

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.



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

[illegible]

****IMPORTANT*****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. AIRLINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS COMPONENTS IN ACCORDANCE WITH THE MANUFACTURING AND INSTALLING INSTRUCTIONS OR BRACING OF TRUSSES, DESIGN CONSTRUCTION, MATERIALS, DIMENSIONS, OR ANY OTHER DESIGN REQUIREMENTS, MAY CAUSE DAMAGE TO THE CONNECTION PLATES MADE OF 20/18/16G (H-US/E/C) ASTM A563 GRADE 40/50 (H, K/H/S) GALV. STEEL APPLIED TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA Z. IF AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPII 2002 SEC.3 ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SAFETY FOR THE TRUSS COMPONENT DRAWING INDICATES.



TC LL	20.0	PSF	REF R487-- 14941
TC DL	10.0	PSF	DATE 12/15/05
BC DL	10.0	PSF	DRW HCURS487 05349050
BC LL	0.0	PSF	HC-ENG JB/AF *
TOT.LD.	40.0	PSF	SEQN- 127606
DUR.FAC.	1.25		

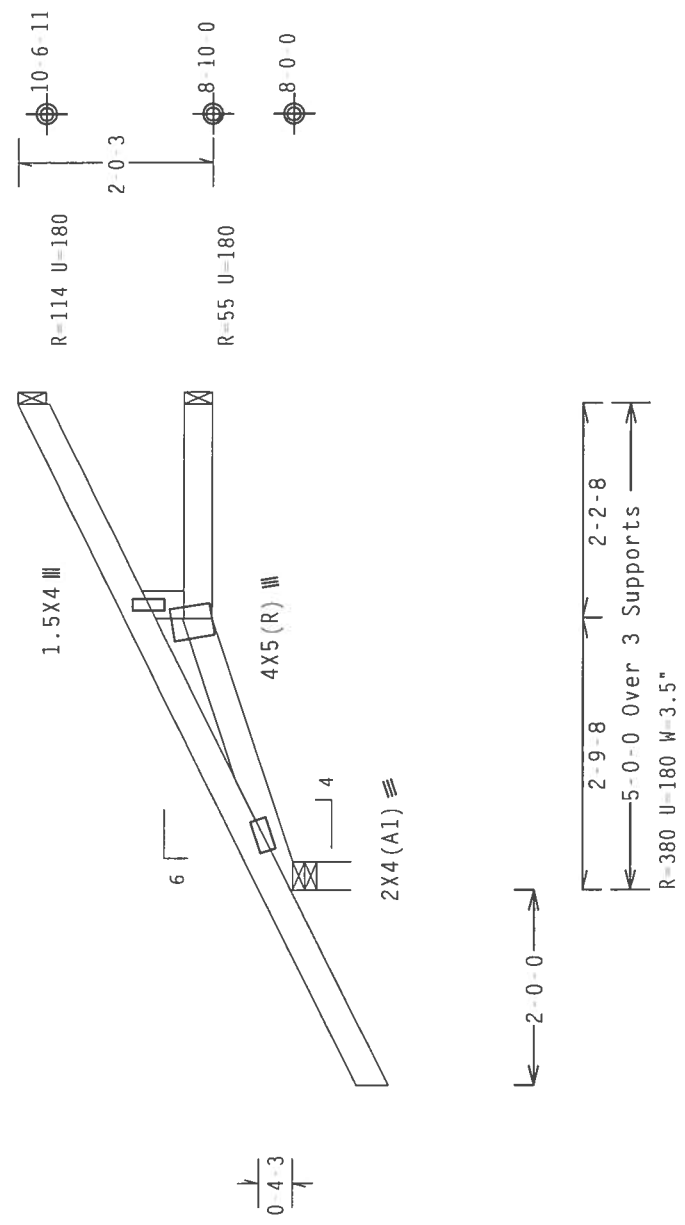
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Shim all supports to solid bearing.

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



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

PLT TYP. Wave

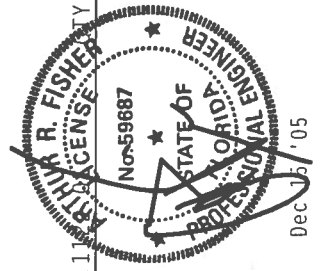
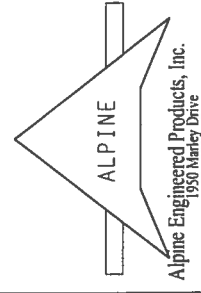
7.22.11

FL/-/3/-/R/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D-080R10 DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. APPLY CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE



TC LL	20.0 PSF	REF R487 - 14942
TC DL	10.0 PSF	DATE 12/15/05
BC DL	10.0 PSF	DRW HCUSR487 05349051
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT. LD.	40.0 PSF	SEQN - 127610
DUR. FAC.	1.25	

Provide (3) 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.



Scale = .5"/Ft.

Dec 13, '05

Alpine Engineered Products, Inc.
1950 Marlev Drive

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

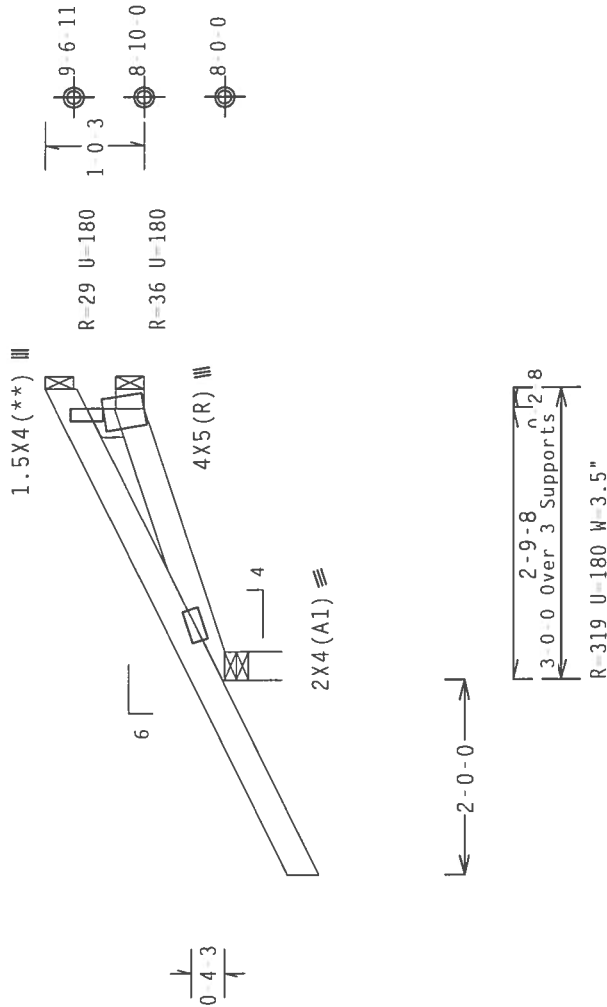
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

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.

Shim all supports to solid bearing.

(**) Plate relocated as shown.



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

PLT TYP. Wave

FL/3/-/R/-

Scale = .5" / Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS) PLANT INSTITUTE, 1843 D'OFORT DR., SUITE 200, MADISON, WI 53719, AND WCA (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.

REF R487 -- 14944

DATE 12/15/05

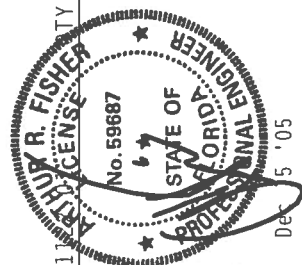
DRW HCUSR487 05349079

HC - ENG JB/AF

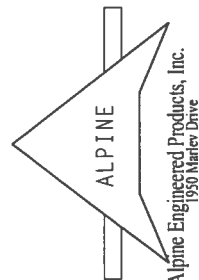
SEON- 127616

DUR. FAC. 1.25

Dec 5, 05



* IMPORTANT: * FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. * ALTHOUGH THE ENGINEER OF RECORD, THE DESIGNER, SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: * FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES * DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. * THE CONNECTOR PLATES ARE MADE OF 20/18/16GA. (N/15/12) ASTM A653 GRADE 40/60 (N. K/15/5) GALV. STEEL. * PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA. 2. * IF INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF 1911 2002 SEC. 3. * A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY TO SUELLY FOR THE TRUSS COMPONENTS. * DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY TO SUELLY FOR THE TRUSS COMPONENTS.



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

(**) Plate relocated as shown.



1-8-5 Over 2 Supports

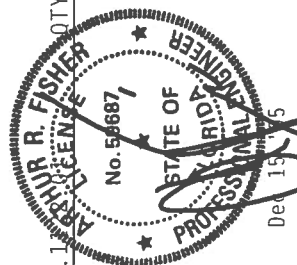
R=300 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487 - - 14945
TC DL	10.0	PSF	DATE 12/15/05
BC DL	10.0	PSF	DRW HCUSR487 05349080
BC LL	0.0	PSF	HC - ENG JB /AF
TOT.LD.	40.0	PSF	SEQN - 127627
DUR.FAC.	1.25		



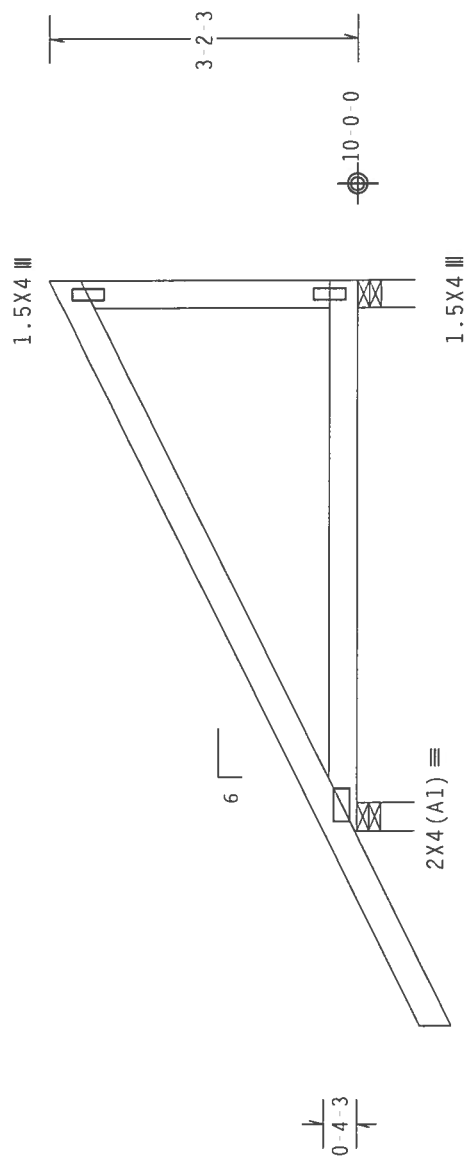
Alpine Engineered Products, Inc.
1950 Marley Drive

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-2.8 psf, wind
BC DL-2.2 psf.

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

Right end vertical not exposed to wind pressure.



2'-0 0"

5'-8 0" Over 2 Supports

R-401 U=180 W=3.5"

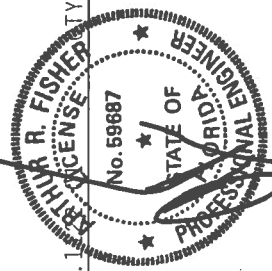
R-199 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

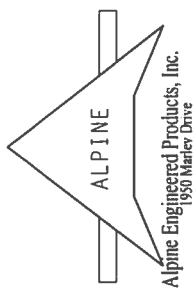
Cq/RT=1.25(1.25)/0(0) 7.22.1

Scale = 5"/Ft.

TC LL	20.0 PSF	REF	R487 -- 14946
TC DL	10.0 PSF	DATE	12/15/05
BC DL	10.0 PSF	DRW	HCUSR487 05349052
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN	127636
DUR.FAC.	1.25		



Dec 19 '05



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD 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 TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION.

SPECIAL LOADS

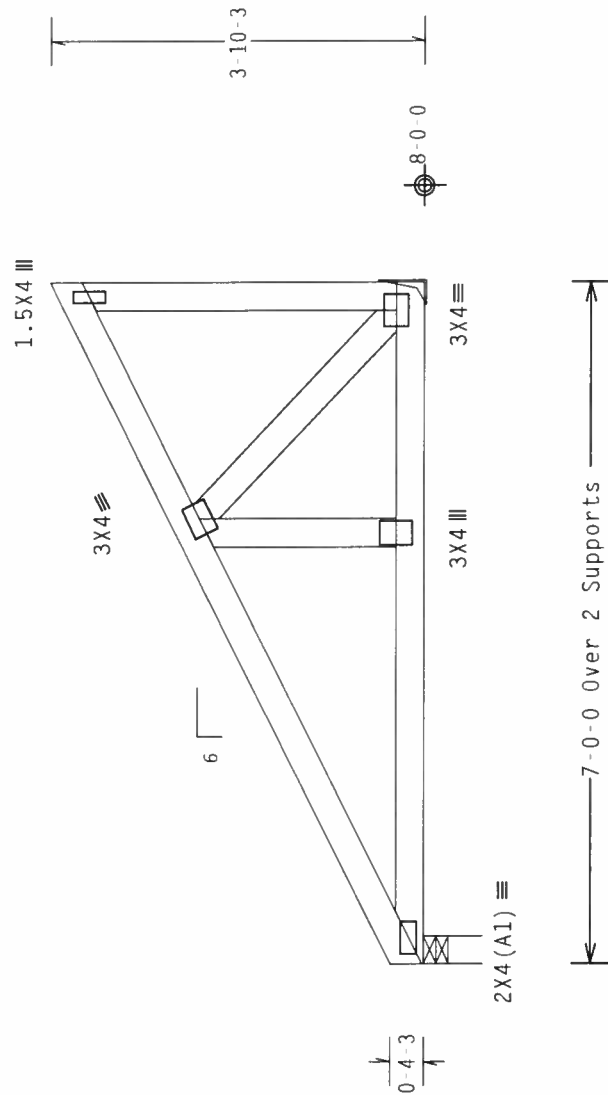
----- (LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)			
TC	From	62 PLF at 0.00 to	62 PLF at 7.00
BC	From	20 PLF at 0.00 to	20 PLF at 7.00
BC	424 LB Conc.	Load at 0.06,	2.06, 4.06
BC	419 LB Conc.	Load at	6.06

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



R=1267 U=272 W=3.5"

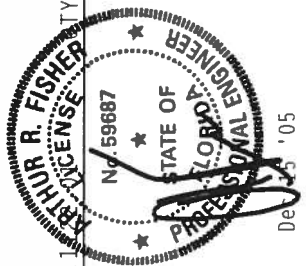
R-999 U=226 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave

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

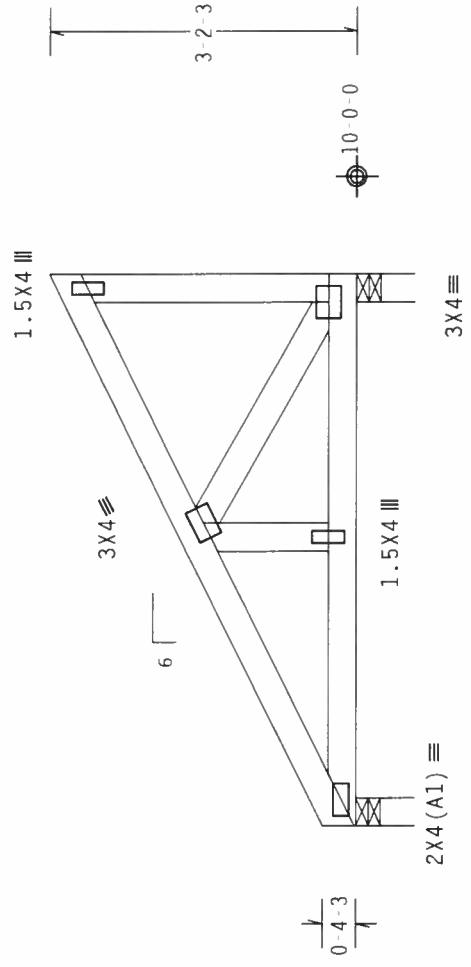
Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487 - - 14947
TC DL	10.0	PSF	DATE 12/15/05
BC DL	10.0	PSF	DRW HCUSR487 05349081
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 127693
DUR.FAC.	1.25		



Alpine Engineered Products, Inc.
1950 Marley Drive

Right end vertical not exposed to wind pressure.



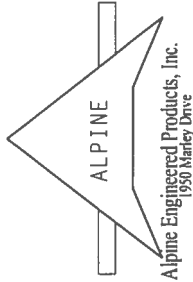
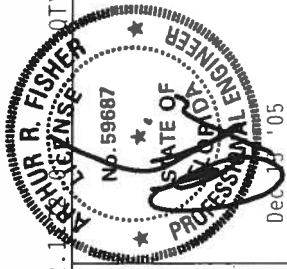
5-8-0 Over 2 Supports $\overleftrightarrow{\hspace{1.5cm}}$
 $R=785 \text{ U}=180 \text{ W}=3.5''$ $R=515 \text{ U}=180 \text{ W}=3.5''$

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

7.22.1

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487 - - 14948
TC DL	10.0	PSF	DATE 12/15/05
BC DL	10.0	PSF	DRW HICUSR487 05349082
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEON - 163037
DUR.FAC.	1.25		



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

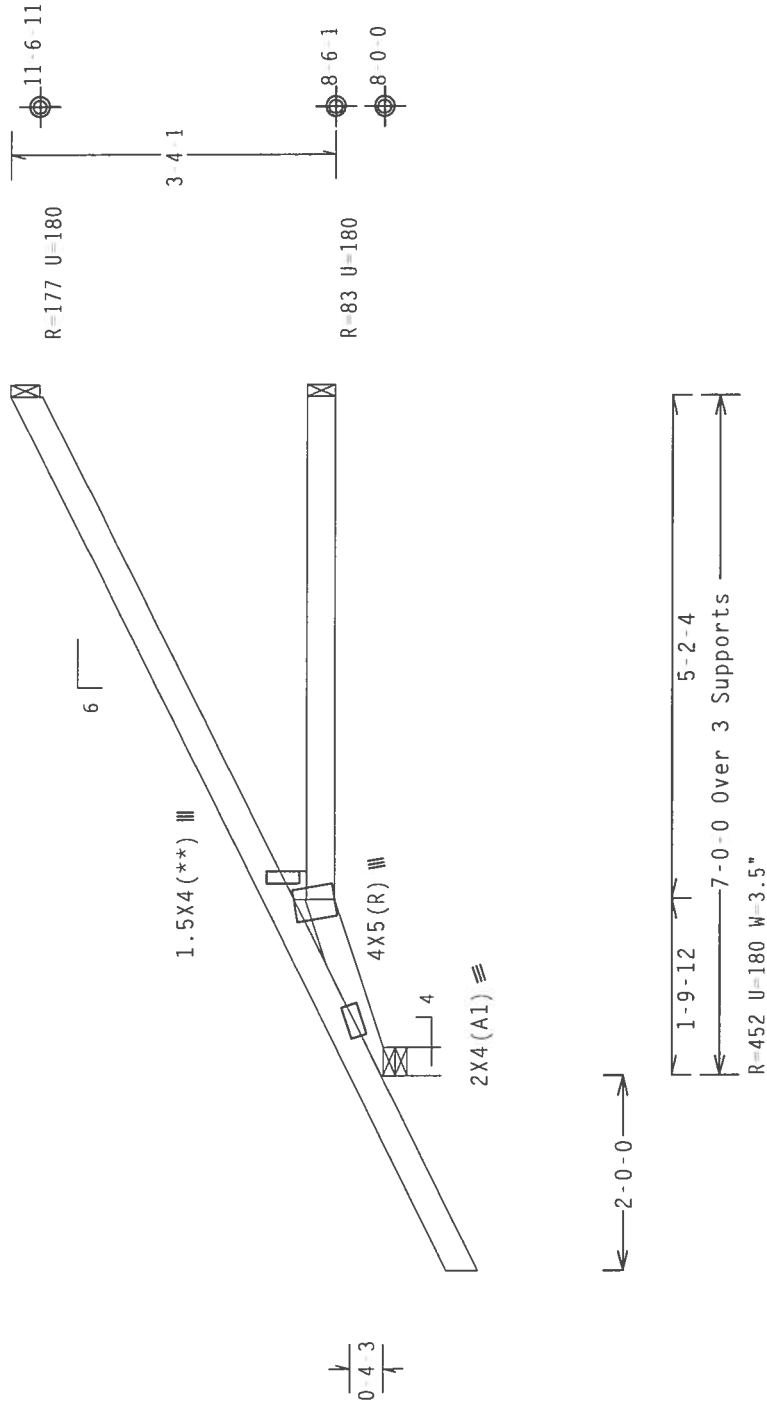
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Shim all supports to solid bearing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-2.8 psf, wind BC DL-2.2 psf.

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

(**) Plate relocated as shown.



Design Crit: TPI-2002(STD)/FBC

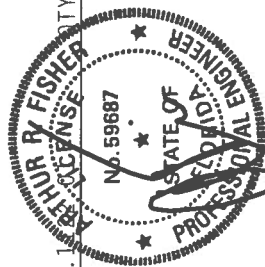
Cq/RT=1.25(1.25)/0(0)

7.22.1

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

Scale =.5"/Ft.

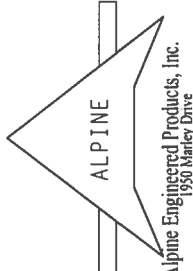
TC LL	20.0 PSF	REF	R487 -- 14949
TC DL	10.0 PSF	DATE	12/15/05
BC DL	10.0 PSF	DRW	HCUSR487 05349083
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	127796
DUR.FAC.	1.25		



Dec 15 '05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'CONNOR 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 CUTTING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSS. CONNECTOR PLATES ARE MADE OF 2019/1916GA (M-11/5/8) ASTM A653 GRADE 40/60 (IN. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 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 SHOWN.



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
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

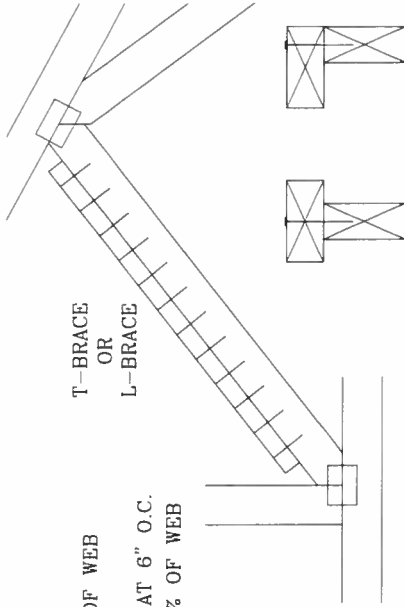
T-BRACING

OR

L-BRACING:

APPLY TO EITHER SIDE OF WEB
NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH

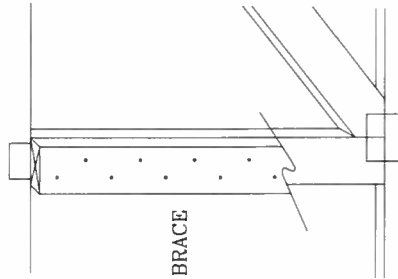


T-BRACE

L-BRACE

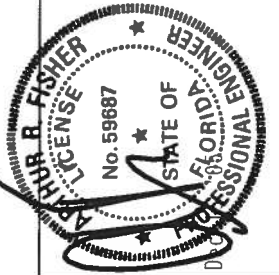
SCAB BRACING:

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



SCAB BRACE

THIS DRAWING REPLACES DRAWING 579,640



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DOMINION 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, CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W/H/S/X) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE THE RESPONSIBILITY OF THE INSPECTOR. SEALS AND STAMPS INDICATING ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SHALL BE FOR THE EXCLUSIVE USE OF THE ENGINEER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING

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.	PSF		



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

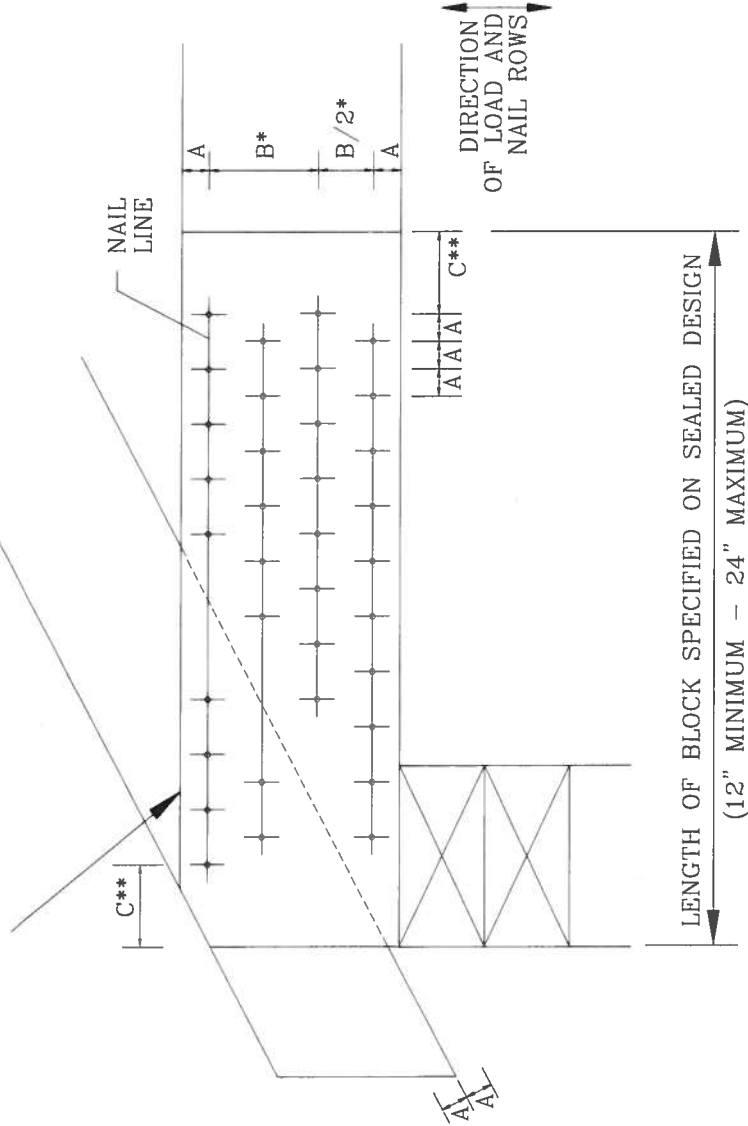
BEARING BLOCK NAIL SPACING DETAIL

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 (F_c -perp) IS AT LEAST THAT OF THE CHORD.

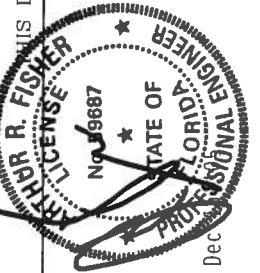


MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

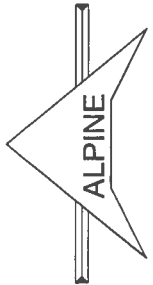
NAIL TYPE	DISTANCES			
	A	B*	C**	
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"	
10d BOX (0.128"x3")	7/8"	1 5/8"	2"	
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"	
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"	
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"	
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"	
10d COMMON (0.148"x3")	1"	1 7/8"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



THIS DRAWING REPLACES DRAWING B139 AND CNBRGK0699

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BC311-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 DINDRIFORD DR., SUITE 200, MADISON, VI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, VI 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 ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE TRUSS INSTRUCTIONS OR ANY OTHER INSTRUCTIONS FROM THE TRUSS MANUFACTURER SHALL BE THE RESPONSIBILITY OF THE USER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) 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



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGK1103
-ENG	SJP/KAR