

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: 1SSS487-Z1207152059

Truss Fabricator: Anderson Truss Company
Job Identification: 5-521-COOPER ENTERPRISES / CURTIS
Truss Count: 36
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.04.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

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

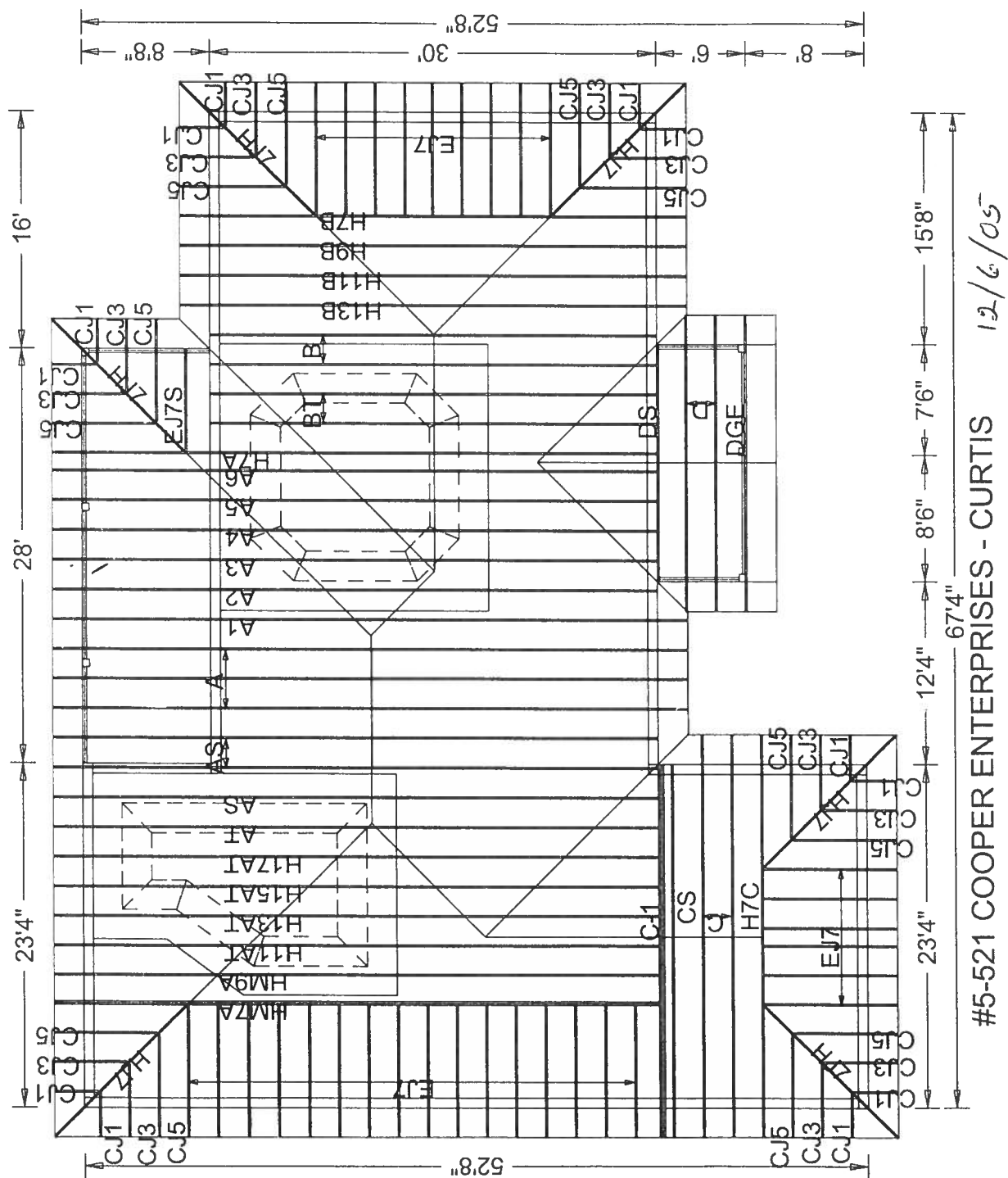
Details: MAX DEAD LOAD-BRCLBSUB-A11015EC-GBLLETIN

Seal Date: 12/07/2005

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

#	Ref	Description	Drawing#	Date
1	32562--	HM7A	05341278	12/07/05
2	32563--	HM9A	05341279	12/07/05
3	32564--	H11AT	05341280	12/07/05
4	32565--	H13AT	05341281	12/07/05
5	32566--	H15AT	05341282	12/07/05
6	32567--	H17AT	05341283	12/07/05
7	32568--	AT	05341284	12/07/05
8	32569--	AS	05341285	12/07/05
9	32570--	AS	05341286	12/07/05
10	32571--	A	05341287	12/07/05
11	32572--	A1	05341288	12/07/05
12	32573--	A2	05341289	12/07/05
13	32574--	A3	05341290	12/07/05
14	32575--	A4	05341291	12/07/05
15	32576--	A5	05341292	12/07/05
16	32577--	A6	05341293	12/07/05
17	32578--	H7A	05341302	12/07/05
18	32579--	H7B	05341294	12/07/05
19	32580--	H9B	05341269	12/07/05
20	32581--	H11B	05341270	12/07/05
21	32582--	H13B	05341271	12/07/05
22	32583--	B	05341272	12/07/05
23	32584--	BT	05341273	12/07/05
24	32585--	H7C	05341303	12/07/05
25	32586--	C	05341274	12/07/05
26	32587--	CS	05341275	12/07/05
27	32588--	C-1	05341304	12/07/05
28	32589--	DGE	05341295	12/07/05
29	32590--	D	05341276	12/07/05
30	32591--	DS	05341277	12/07/05
31	32592--	HJ7	05341296	12/07/05
32	32593--	EJ7	05341297	12/07/05
33	32594--	EJ7S	05341298	12/07/05
34	32595--	CJ5	05341299	12/07/05
35	32596--	CJ3	05341300	12/07/05
36	32597--	CJ1	05341301	12/07/05





12/6/05

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Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: 1SSS487-Z1207152059

Truss Fabricator: Anderson Truss Company
Job Identification: 5-521-COOPER ENTERPRISES / CURTIS (5-521)-COOPER ENTERPRISES / CURTIS)
Truss Count: 1
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.04.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

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

Seal Date: 12/07/2005

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	32589--DGE		05341295	12/07/05



Top chord 2x6 SP #2 : T1 2x4 SP #2 Dense:

Bot chord 2x6 SP #2

Webs 2x4 SP #3

1110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

#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.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25",_min.)_nails)

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

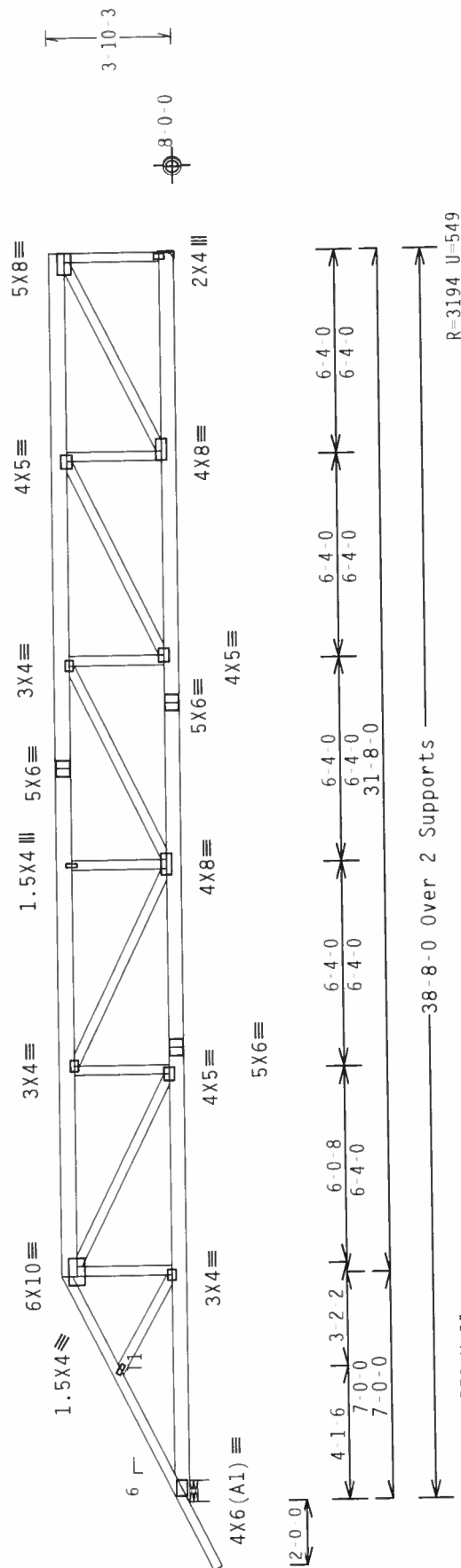
Bot Chord: 1 Row @12.00" o.c.

Webs : 1 Row @ 4" O.C.

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

Right end vertical not exposed to wind pressure.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 2-1-9 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 2-1-9 overhang. Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.



R-3153 U-578 W-8"

38-8-0 Over 2 Supports

R=3194 U=549

Design Crit: TPI-2002(STD)/FBC

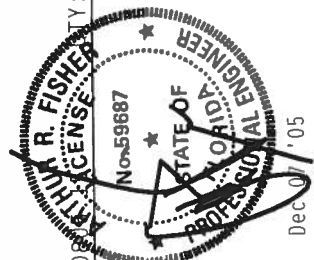
$$Cq/RT=1.00(1.25)/10(0)$$

FISHER

FL-4-R-

Scale = .1875"/Ft.

PLT TYP. Wave

[illegible][illegible]

Alpine Engineered Products, Inc.

ALPINE

TOT.LD.	40.0
DUR.FAC.	1.25

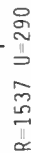
SEQN- 18042

Dec 07/05

110 mph wind, 10.06 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

110 mph wind, 10.06 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PI - 2002 (STD) / FBC
Cq/RT=1.00(1.25) / 10(0)
7.04.08

F11-141-1-1R1-

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	

$$Cq/RT=1.00(1.25)/10(0) \quad 7.04.08$$

WARNING TRUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BECSI 1000 CONTAINING COMBINATIONALLY FORMULATIONS, PUBLISHED BY TPI TRUSSING PLATE INSTITUTE, 593 W. MICHIGAN ST., CHICAGO, ILL. 60601-1000, AND AISC, 1801 MARKET ST., PHILADELPHIA, PA. 19104-0358, FOR ADDITIONAL INFORMATION. TRUSSES ARE DESIGNED FOR A DESIGN LOAD OF 50 PSF PER TRUSS CHORD. TRUSSES OF AMERICA, 6300 ENTERPRISE LN., S27109, FOR SALE BY PRINCIPALS PRIOR TO ERECTION THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TRUSS CHORD BRACING.

[illegible]

110 mph wind, 10.56 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

due to dead load.

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



-PI-2002(STD)/FBC

FL-41-1-R/-

THE UNIVERSITY OF CHICAGO

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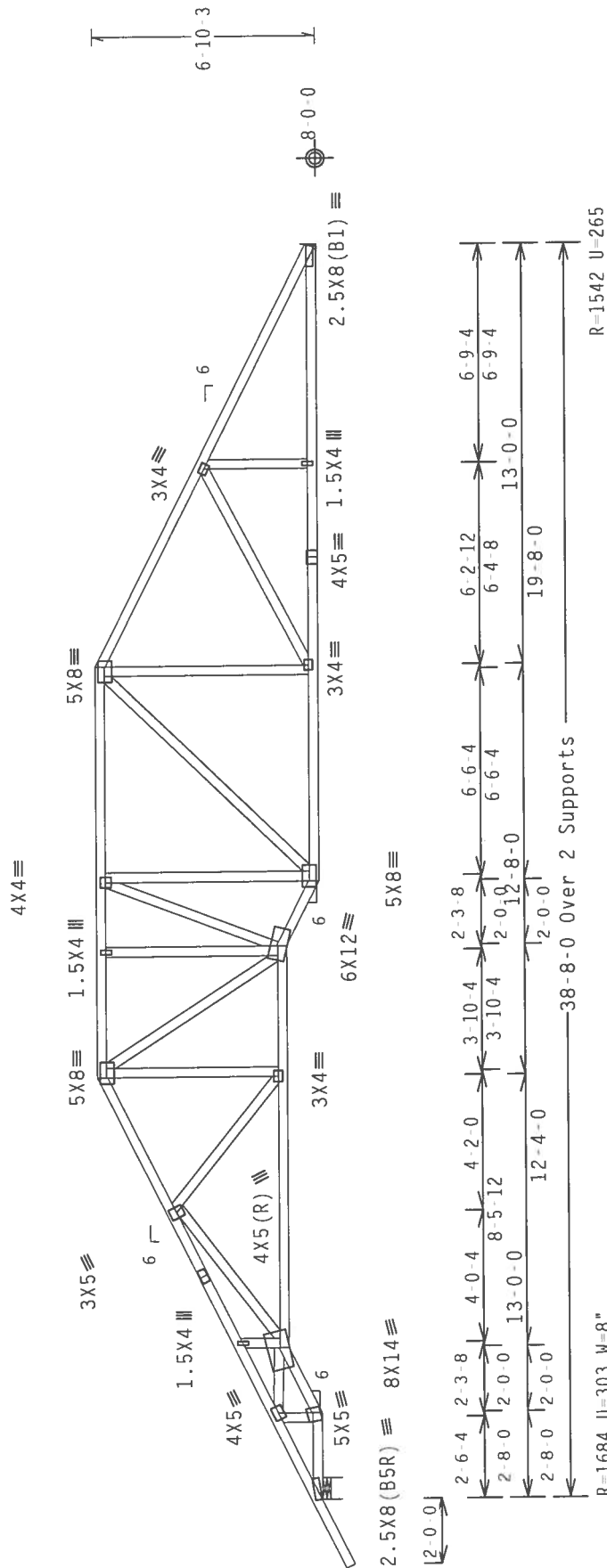
Dec 07 '05

110 mph wind, 11.06 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.11" due to live load and 0.16" due to dead load.

Dead loads are stated on projected horizontal area basis.

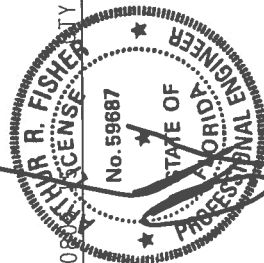
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead loads 1.50.



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

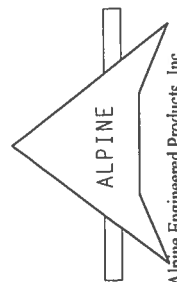
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TC LL	20.0	PSF	REF R487 - 32565
TC DL	10.0	PSF	DATE 12/07/05
BC DL	10.0	PSF	DRW HCUR487 05341281
BC LL	0.0	PSF	HC-ENG DF/AF
TOT.LD.	40.0	PSF	SEQN- 18060
DUR.FAC.	1.25		FROM SA



Dec 07 '05

***WARNING** THUSSES REQUIRE FURTHER CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO PREVENT ACCIDENTS. THE FOLLOWING COMPANIES SAFELY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583
RICHMOND AVE., CHICAGO, ILL. 60640, 312/343-1100, 312/343-1101, 312/343-1102, 312/343-1103, 312/343-1104, 312/343-1105,
MADISON, ILL. 61710, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

[illegible]

Alpine Engineered Products, Inc.

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

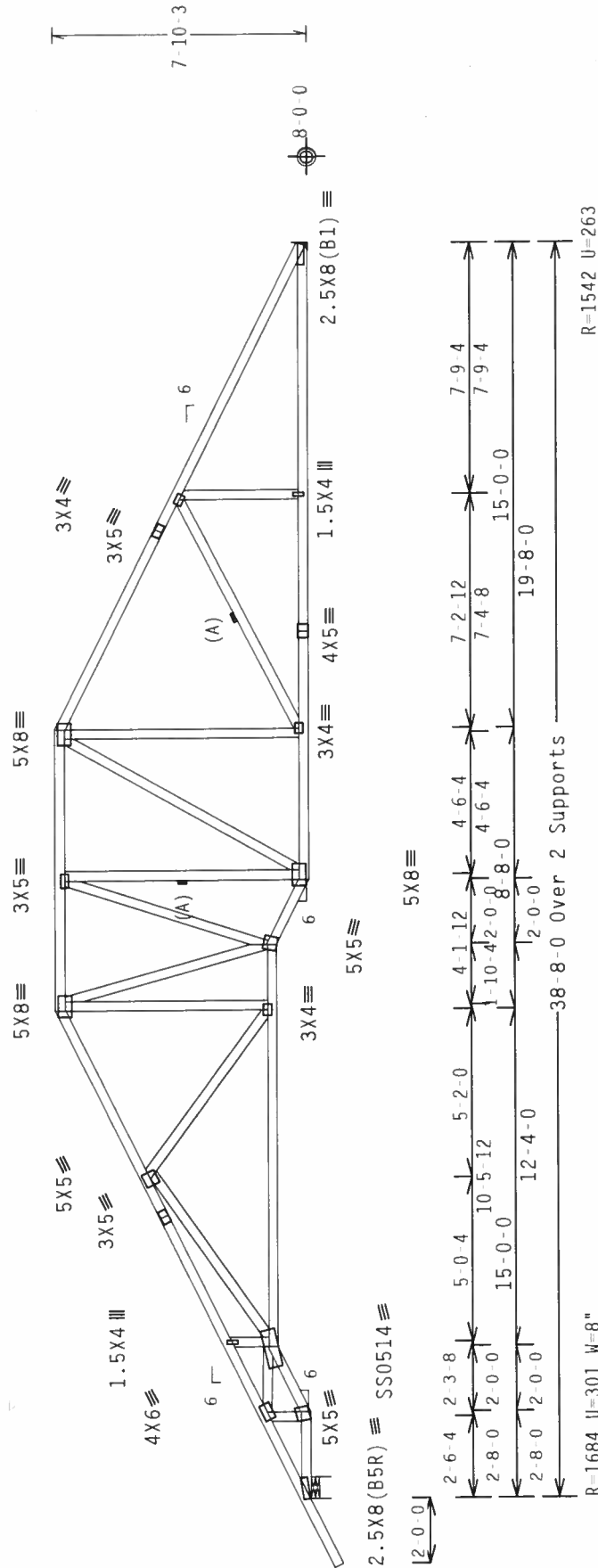
110 mph wind, 11.56 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Calculated horizontal deflection is 0.11" due to live load and 0.16" due
to dead load.

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

Dead loads are stated on projected horizontal area basis.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. 18 Gauge HS.Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .1875"/Ft.

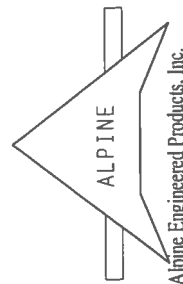
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583
O'DONNELL DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD.,
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE
CONNECTOR PLATES ARE MADE OF 2018/16GA (N-11/574) ASH A553 GRADE 40/60 (N. K7U-5) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON TRUSSES, TOP CHORD PER DR. SEAL ON THIS
ANY INSPECTION PLATES SHALL BE MADE IN ACCORDANCE WITH TPI-2002 SEC 3.1.1. DR. 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

FL/-4/-/R/-
REF R487-- 32566
DATE 12/07/05
DRW HCUSR487 05341282
HC-ENG DF/AF
SEQN- 18059
FROM SA

PROFESSIONAL ENGINEER
STATE OF ARIZONA
No. 99687
R. FISHER
DEC 27 '05



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

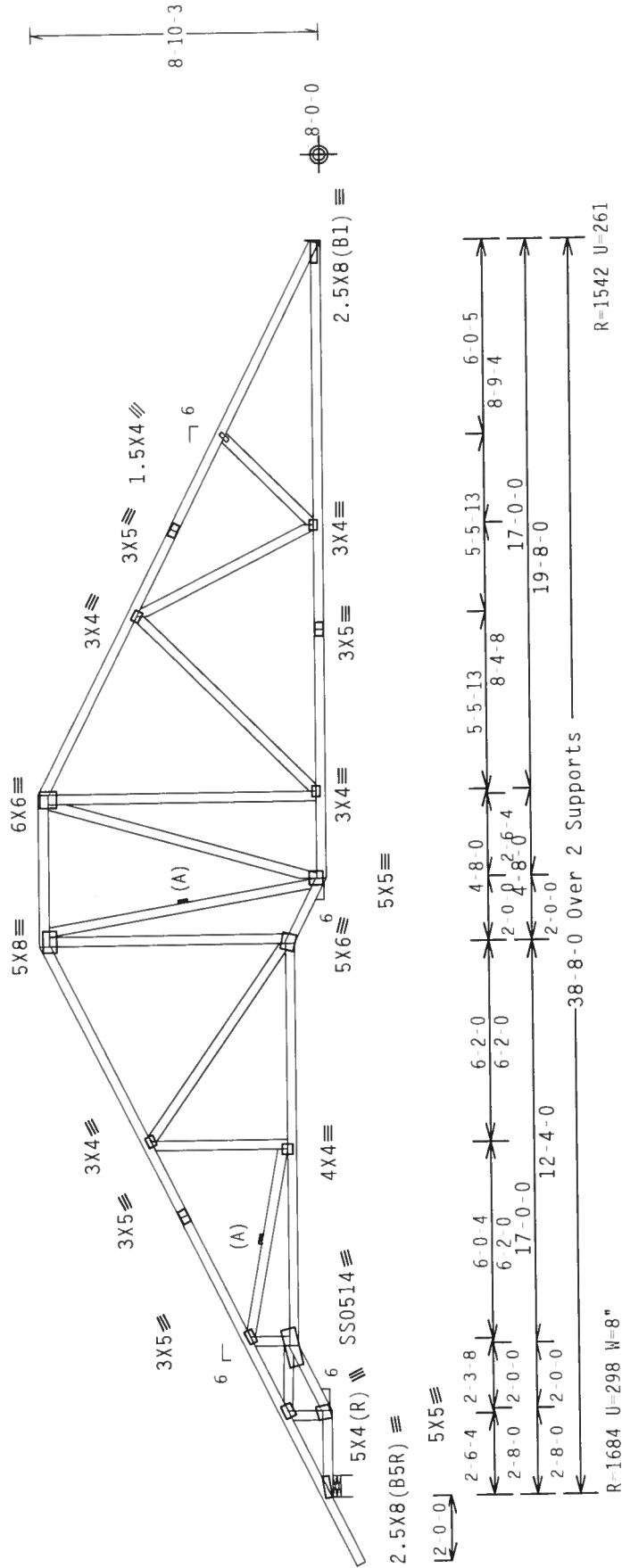
110 mph wind, 12.06 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Calculated horizontal deflection is 0.12" due to live load and 0.17" due
to dead load.

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

Dead loads are stated on projected horizontal area basis.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. 18 Gauge HS, Wave

Design Crit: TPI-2002 (STD)/FBC

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

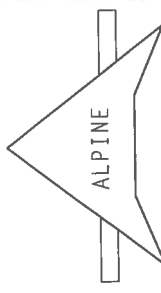
FL/-/4/-/R/-

Scale = .1875"/Ft.

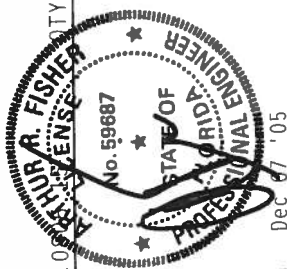
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE TPI TRUSS PLATE INSTITUTE, 583 NORTH 10TH STREET, SUITE 200, MADISON, WI 53709, AND NCA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND IPTI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W-1/5/16) ASTM A553 GRADE 40/60 (W-1/5) GALV. STEEL. APPL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. ANY IMPLICATION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN AS OF 1911 2002 SECC-3. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

TC LL	20.0 PSF	REF	R487--	32567
TC DL	10.0 PSF	DATE	12/07/05	
BC DL	10.0 PSF	DRW	HCUSR487	05341283
BC LL	0.0 PSF	HC-ENG	DF/AF	
TOT.LD.	40.0 PSF	SEQN-	18058	
DUR.FAC.	1.25	FROM	SA	



Alpine Engineered Products, Inc.



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

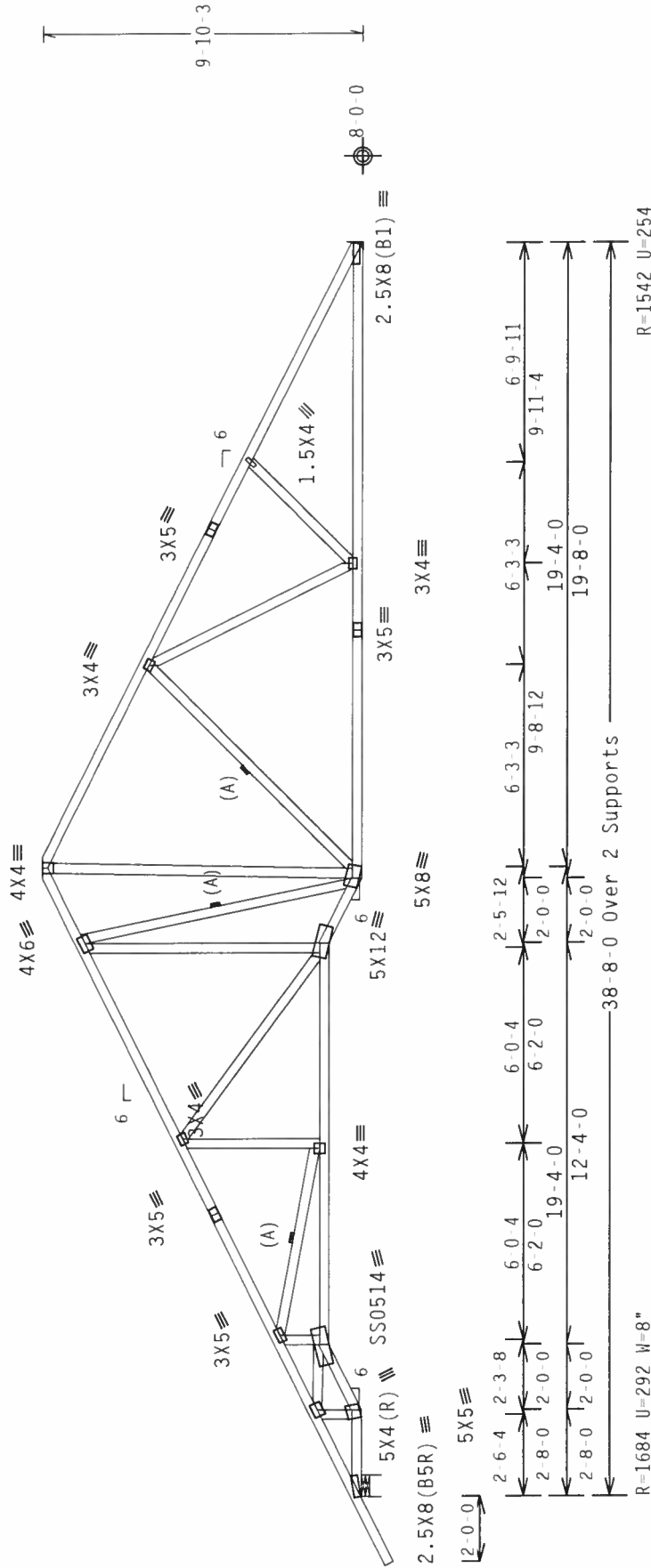
110 mph wind, 12.56 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.12" due to live load and 0.17" due to dead load.

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

Dead loads are stated on projected horizontal area basis.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. 18 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

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

7.04

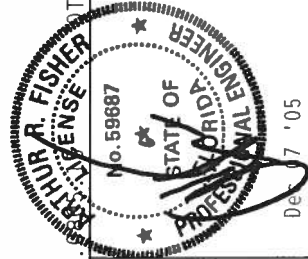
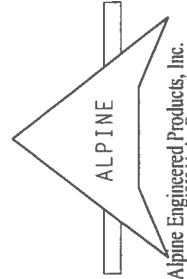
FL/-/4/-/-/R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CRUSS PLATE INSTITUTE, 583 DUNDAS DR., SUITE 200, MADISON, WI 53719, AND MECA (WOOD TRUSS) COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES OR DISCREPANCIES WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. (BY AIA/PA) AND TPI LEVEL 1 DESIGN REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES OR DISCREPANCIES WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. (BY AIA/PA) AND TPI LEVEL 1 DESIGN REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES OR DISCREPANCIES WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. (BY AIA/PA) AND TPI LEVEL 1 DESIGN REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLER.

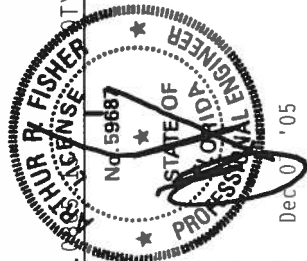
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TC DL	10.0 PSF	DATE	12/07/05	
BC DL	10.0 PSF	DRW	HCUSR487	05341284
BC LL	0.0 PSF	HC-ENG	DF/AF	
TOT.LD.	40.0 PSF	SEQN	18057	
DUR.FAC.	1.25	FROM	SA	



Dec 07 '05

110 mph wind, 12.65 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.



PI-2002(STD)/FBC

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

TC LL	20.0	PSF	REF R487 -- 32569
TC DL	10.0	PSF	DATE 12/07/05
BC DL	10.0	PSF	DRW HCUSR487 05341285
BC LL	0.0	PSF	HC-ENG DF /AF
TOT.LD.	40.0	PSF	SEQN- 18056
DUR.FAC.	1.25		FROM SA

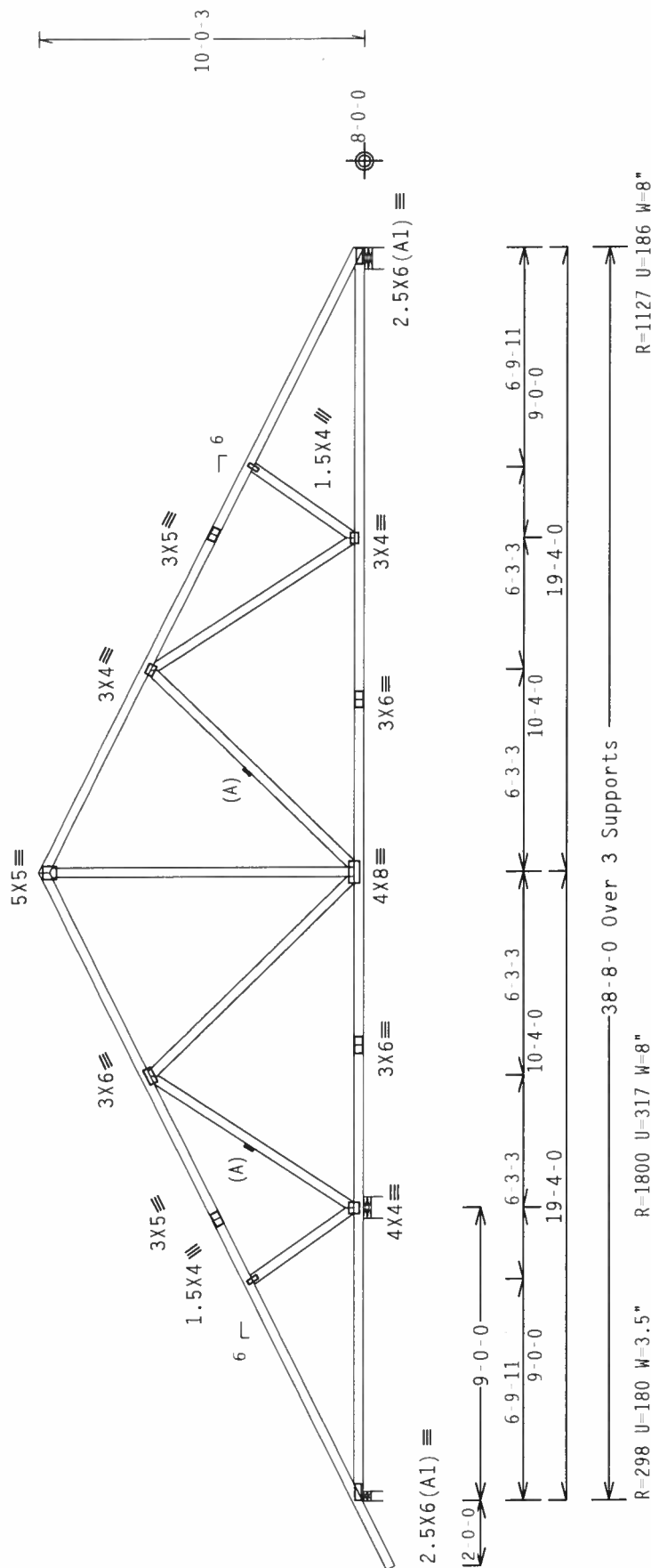
Alpine Engineered Products, Inc.
1950 Marley Drive

Dec 07 '05

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

Dead loads are stated on projected horizontal area basis.

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



PLT TYP. Wave

 $Cq/RT=1.00(1.25)/10(0)$ 7.04.08

FL/4/-/-/R/-

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R487 -- 32570
TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUSR487 05341286
BC LL	0.0 PSF	HC-ENG DF /AF
TOT.LD.	40.0 PSF	SEQN- 18055
DUR.FAC.	1.25	FROM SA



Alpine Engineered Products, Inc.
1950 Marlev Drive

ALPINE

* IMPORTANT: * PUBLISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND ALPINE CONNECTOR PLATES ARE MADE. OF 20/18/10GA (N/5X) ASTM A563 GRADE 40/60 (N/ K/1-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS, AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF 1/11/ 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PRODUCTION, ENGINEERING RESPONSIBILITY TO THE TRUSS COMPONENT MANUFACTURER. ACCEPTANCE OF THE TRUSS COMPONENT MANUFACTURER SHALL BE THE SOLE RESPONSIBILITY OF THE TRUSS COMPONENT MANUFACTURER.

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

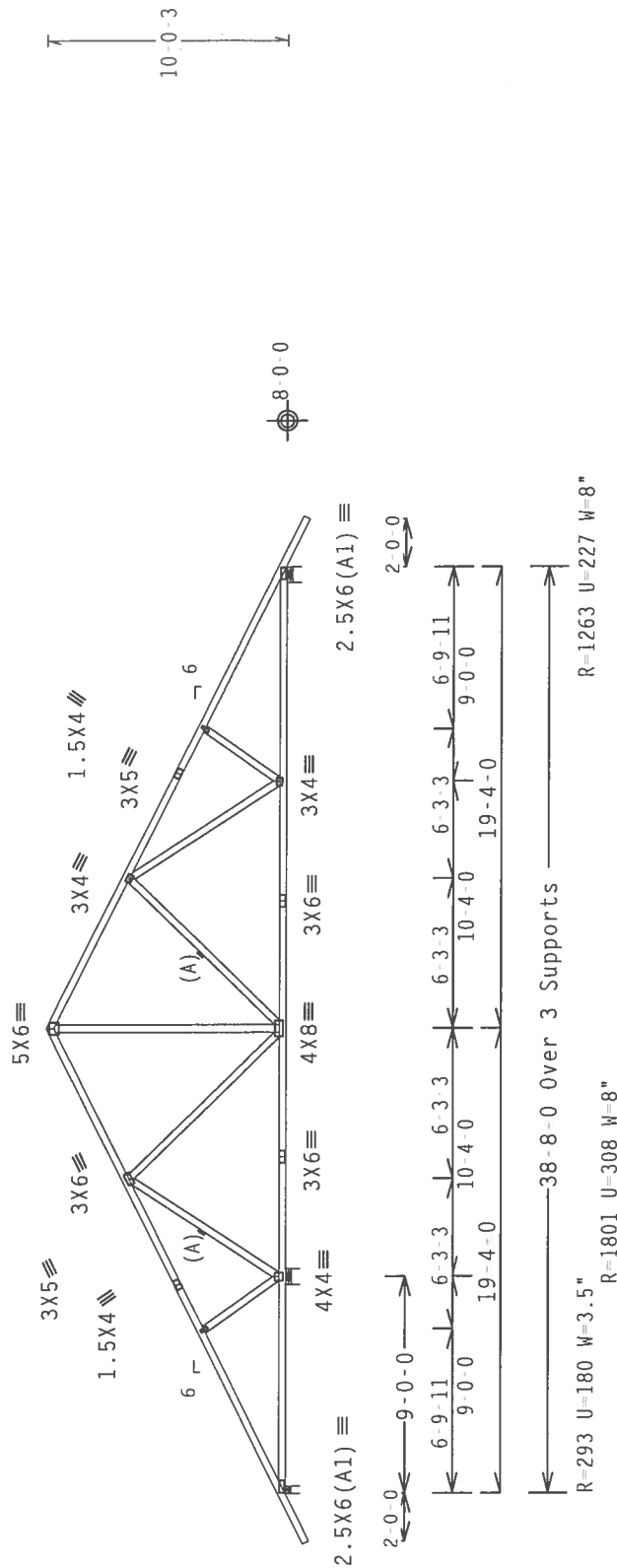
110 mph wind, 12.65 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

(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.

NOTE: THIS TRUSS MUST BE INSTALLED AS SHOWN. IT CAN
NOT BE FLIPPED END FOR END.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/(10.0)

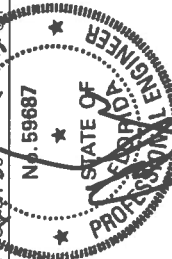
7.04.0

FL/-4/-/R/-

Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'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 CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CORRECTOR PLATES ARE MADE OF 20/19/16GA (IN 1/2X/5/8) ASTM A575 GRADE 40/50 KIN. GALT STEEL. 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.



Alpine Engineered Products, Inc.
1950 Marietta Drive

Dec 07, 05

DUR.FAC. 1.25

FROM SA

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

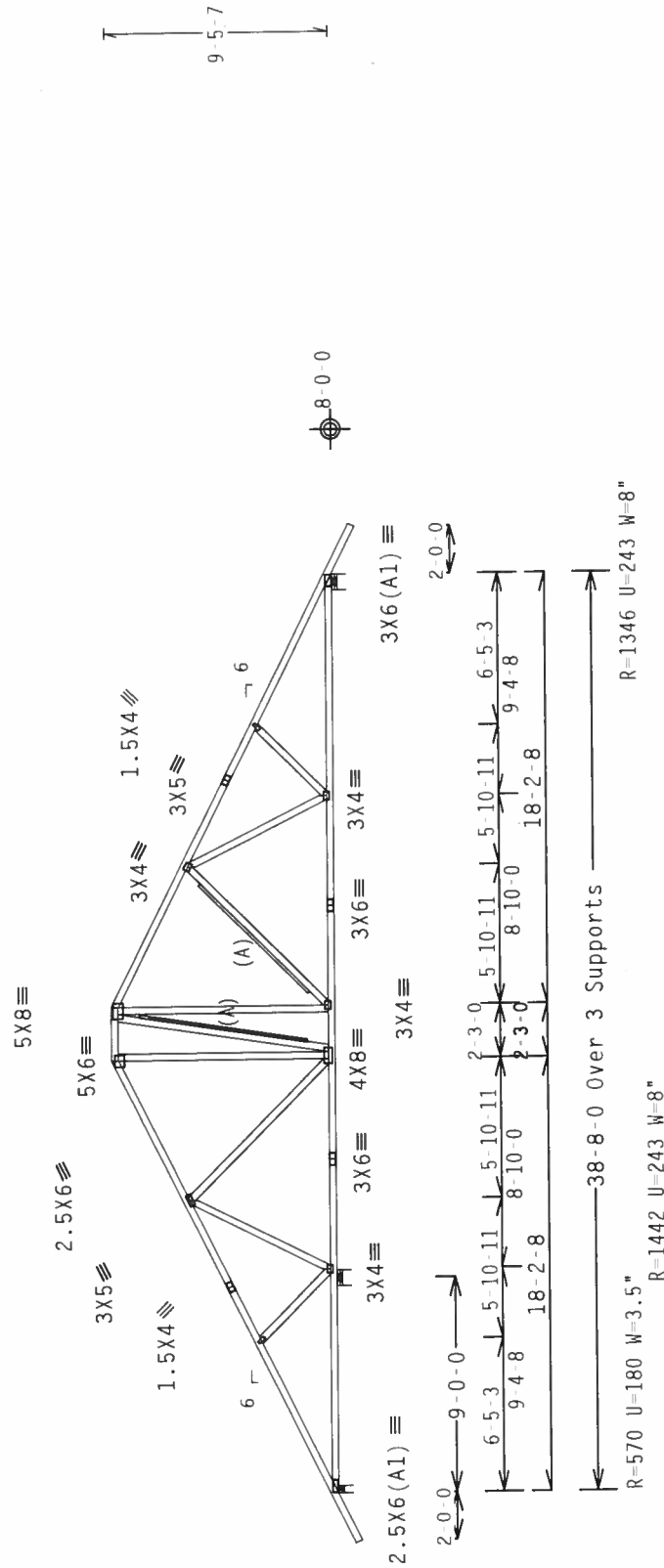
Dead loads are stated on projected horizontal area basis.

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

NOTE: THIS TRUSS MUST BE INSTALLED AS SHOWN. IT CAN NOT BE FLIPPED END FOR END.

110 mph wind, 12.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0

Scale = .125" / Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. PERFORMER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (H000 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. TRUSSES, THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (H000 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.

No. 59887



Dec 17 '05

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

TC LL	20.0 PSF	REF	R487--	32572
TC DL	10.0 PSF	DATE	12/07/05	
BC DL	10.0 PSF	DRW	HCUSR487	05341288
BC LL	0.0 PSF	HC-ENG	DF/AF	
TOT.LD.	40.0 PSF	SEQN-	18053	
DUR.FAC.	1.25	FROM	SA	

ALPINE

Alpine Engineered Products, Inc.

110 mph wind, 11.87 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

;



R=857 U=180 W=3.5"

$$R=1073 \quad U=187 \quad W=8^n$$

-38-8-0 Over 3 Supports

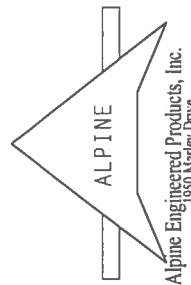
Design Crit: TPI-2002(STD)/FBC

$$\text{Cq/RT} = 1.00(1.25) / 10(0) \quad 7.04$$

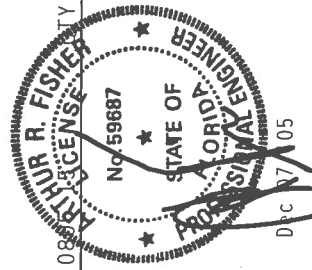
Scale = .1875"/ft.

TC LL	20.0 PSF	REF R487 - - 32573
TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW IICUSR487 05341289
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 18052
DUR.FAC.	1.25	FROM SA

Dec 07, 05



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



PLT TYP. Wave



ALPINE

Alpine Engineered Products, Inc.
1950 Harley Drive

design call. IPI 2002(310)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0865

Scale = .1875" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORVILLE 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ATAPPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 201/18/10GA (4.9/5/2/8) ASTM A653 GRADE 40/60 (4.4/6/1.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AIDS. UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ON INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN AS OF 1911-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT MANUFACTURER.

PROPERTY: 1 FL / - 4 / - / R / -

TC LL	20.0 PSF	REF R487	- 32575
TC DL	10.0 PSF	DATE	12/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05341291
BC LL	0.0 PSF	HC-ENG	DF / AF
TOT.LD.	40.0 PSF	SEQN-	18050
DUR.FAC.	1.25	FROM	SA

7.04.0865

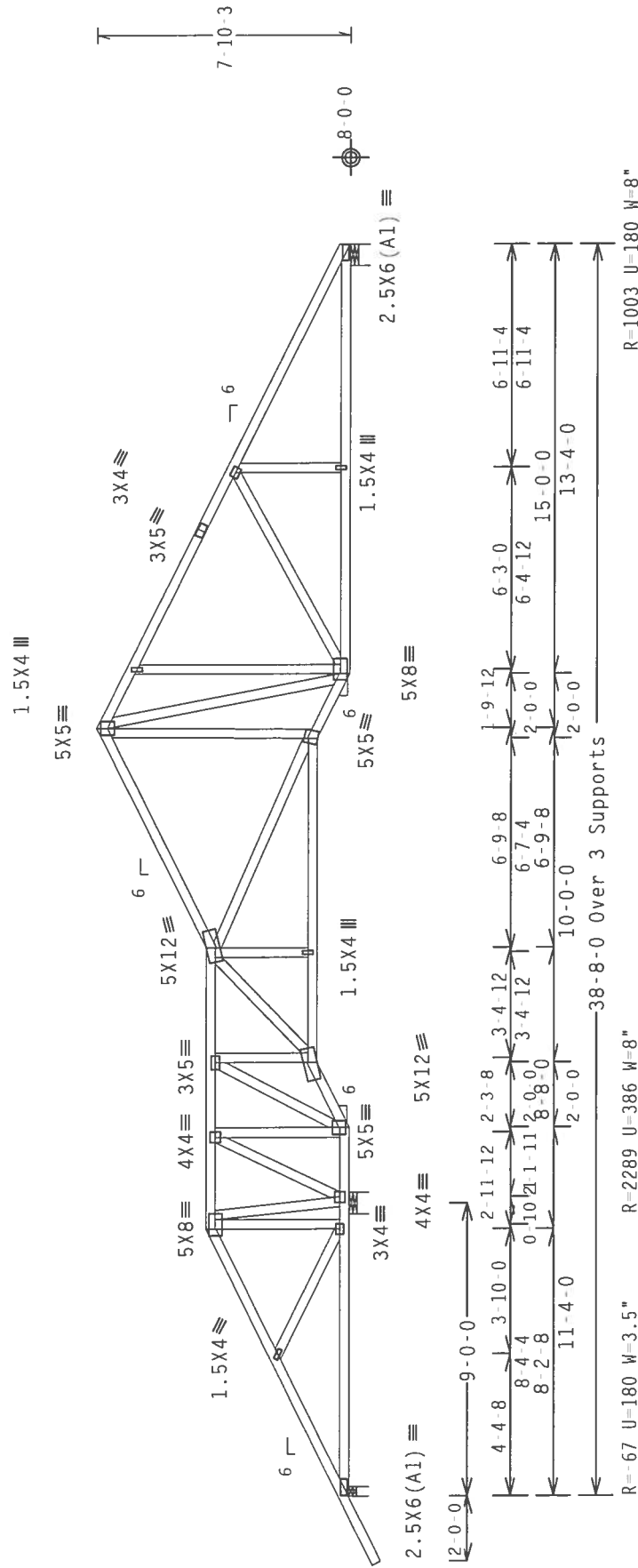
STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 59687

Dec 7 / 05

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

Scale = .1875"/Ft.

***HARVING:** TRUSSES' EXISTING "CARL" IN FABRICATION AND HANDLING. SHIPPING, INSTALLING AND BRACING. RELATE TO SET 1.03, (BUILDING COMPONENTS, SAFETY, INFORMATION), PARAGRAPH 1.01, SUBSECTION 3.03, 3.03.01, 3.03.02, 3.03.03, 3.03.04, 3.03.05, 3.03.06, 3.03.07, 3.03.08, 3.03.09, 3.03.10, 3.03.11, 3.03.12, 3.03.13, 3.03.14, 3.03.15, 3.03.16, 3.03.17, 3.03.18, 3.03.19, 3.03.20, 3.03.21, 3.03.22, 3.03.23, 3.03.24, 3.03.25, 3.03.26, 3.03.27, 3.03.28, 3.03.29, 3.03.30, 3.03.31, 3.03.32, 3.03.33, 3.03.34, 3.03.35, 3.03.36, 3.03.37, 3.03.38, 3.03.39, 3.03.40, 3.03.41, 3.03.42, 3.03.43, 3.03.44, 3.03.45, 3.03.46, 3.03.47, 3.03.48, 3.03.49, 3.03.50, 3.03.51, 3.03.52, 3.03.53, 3.03.54, 3.03.55, 3.03.56, 3.03.57, 3.03.58, 3.03.59, 3.03.60, 3.03.61, 3.03.62, 3.03.63, 3.03.64, 3.03.65, 3.03.66, 3.03.67, 3.03.68, 3.03.69, 3.03.70, 3.03.71, 3.03.72, 3.03.73, 3.03.74, 3.03.75, 3.03.76, 3.03.77, 3.03.78, 3.03.79, 3.03.80, 3.03.81, 3.03.82, 3.03.83, 3.03.84, 3.03.85, 3.03.86, 3.03.87, 3.03.88, 3.03.89, 3.03.90, 3.03.91, 3.03.92, 3.03.93, 3.03.94, 3.03.95, 3.03.96, 3.03.97, 3.03.98, 3.03.99, 3.04.00, 3.04.01, 3.04.02, 3.04.03, 3.04.04, 3.04.05, 3.04.06, 3.04.07, 3.04.08, 3.04.09, 3.04.10, 3.04.11, 3.04.12, 3.04.13, 3.04.14, 3.04.15, 3.04.16, 3.04.17, 3.04.18, 3.04.19, 3.04.20, 3.04.21, 3.04.22, 3.04.23, 3.04.24, 3.04.25, 3.04.26, 3.04.27, 3.04.28, 3.04.29, 3.04.30, 3.04.31, 3.04.32, 3.04.33, 3.04.34, 3.04.35, 3.04.36, 3.04.37, 3.04.38, 3.04.39, 3.04.40, 3.04.41, 3.04.42, 3.04.43, 3.04.44, 3.04.45, 3.04.46, 3.04.47, 3.04.48, 3.04.49, 3.04.50, 3.04.51, 3.04.52, 3.04.53, 3.04.54, 3.04.55, 3.04.56, 3.04.57, 3.04.58, 3.04.59, 3.04.60, 3.04.61, 3.04.62, 3.04.63, 3.04.64, 3.04.65, 3.04.66, 3.04.67, 3.04.68, 3.04.69, 3.04.70, 3.04.71, 3.04.72, 3.04.73, 3.04.74, 3.04.75, 3.04.76, 3.04.77, 3.04.78, 3.04.79, 3.04.80, 3.04.81, 3.04.82, 3.04.83, 3.04.84, 3.04.85, 3.04.86, 3.04.87, 3.04.88, 3.04.89, 3.04.90, 3.04.91, 3.04.92, 3.04.93, 3.04.94, 3.04.95, 3.04.96, 3.04.97, 3.04.98, 3.04.99, 3.05.00, 3.05.01, 3.05.02, 3.05.03, 3.05.04, 3.05.05, 3.05.06, 3.05.07, 3.05.08, 3.05.09, 3.05.10, 3.05.11, 3.05.12, 3.05.13, 3.05.14, 3.05.15, 3.05.16, 3.05.17, 3.05.18, 3.05.19, 3.05.20, 3.05.21, 3.05.22, 3.05.23, 3.05.24, 3.05.25, 3.05.26, 3.05.27, 3.05.28, 3.05.29, 3.05.30, 3.05.31, 3.05.32, 3.05.33, 3.05.34, 3.05.35, 3.05.36, 3.05.37, 3.05.38, 3.05.39, 3.05.40, 3.05.41, 3.05.42, 3.05.43, 3.05.44, 3.05.45, 3.05.46, 3.05.47, 3.05.48, 3.05.49, 3.05.50, 3.05.51, 3.05.52, 3.05.53, 3.05.54, 3.05.55, 3.05.56, 3.05.57, 3.05.58, 3.05.59, 3.05.60, 3.05.61, 3.05.62, 3.05.63, 3.05.64, 3.05.65, 3.05.66, 3.05.67, 3.05.68, 3.05.69, 3.05.70, 3.05.71, 3.05.72, 3.05.73, 3.05.74, 3.05.75, 3.05.76, 3.05.77, 3.05.78, 3.05.79, 3.05.80, 3.05.81, 3.05.82, 3.05.83, 3.05.84, 3.05.85, 3.05.86, 3.05.87, 3.05.88, 3.05.89, 3.05.90, 3.05.91, 3.05.92, 3.05.93, 3.05.94, 3.05.95, 3.05.96, 3.05.97, 3.05.98, 3.05.99, 3.06.00, 3.06.01, 3.06.02, 3.06.03, 3.06.04, 3.06.05, 3.06.06, 3.06.07, 3.06.08, 3.06.09, 3.06.10, 3.06.11, 3.06.12, 3.06.13, 3.06.14, 3.06.15, 3.06.16, 3.06.17, 3.06.18, 3.06.19, 3.06.20, 3.06.21, 3.06.22, 3.06.23, 3.06.24, 3.06.25, 3.06.26, 3.06.27, 3.06.28, 3.06.29, 3.06.30, 3.06.31, 3.06.32, 3.06.33, 3.06.34, 3.06.35, 3.06.36, 3.06.37, 3.06.38, 3.06.39, 3.06.40, 3.06.41, 3.06.42, 3.06.43, 3.06.44, 3.06.45, 3.06.46, 3.06.47, 3.06.48, 3.06.49, 3.06.50, 3.06.51, 3.06.52, 3.06.53, 3.06.54, 3.06.55, 3.06.56, 3.06.57, 3.06.58, 3.06.59, 3.06.60, 3.06.61, 3.06.62, 3.06.63, 3.06.64, 3.06.65, 3.06.66, 3.06.67, 3.06.68, 3.06.69, 3.06.70, 3.06.71, 3.06.72, 3.06.73, 3.06.74, 3.06.75, 3.06.76, 3.06.77, 3.06.78, 3.06.79, 3.06.80, 3.06.81, 3.06.82, 3.06.83, 3.06.84, 3.06.85, 3.06.86, 3.06.87, 3.06.88, 3.06.89, 3.06.90, 3.06.91, 3.06.92, 3.06.93, 3.06.94, 3.06.95, 3.06.96, 3.06.97, 3.06.98, 3.06.99, 3.07.00, 3.07.01, 3.07.02, 3.07.03, 3.07.04, 3.07.05, 3.07.06, 3.07.07, 3.07.08, 3.07.09, 3.07.10, 3.07.11, 3.07.12, 3.07.13, 3.07.14, 3.07.15, 3.07.16, 3.07.17, 3.07.18, 3.07.19, 3.07.20, 3.07.21, 3.07.22, 3.07.23, 3.07.24, 3.07.25, 3.07.26, 3.07.27, 3.07.28, 3.07.29, 3.07.30, 3.07.31, 3.07.32, 3.07.33, 3.07.34, 3.07.35, 3.07.36, 3.07.37, 3.07.38, 3.07.39, 3.07.40, 3.07.41, 3.07.42, 3.07.43, 3.07.44, 3.07.45, 3.07.46, 3.07.

TC LL	20.0 PSF	REF R487 - 32577
TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUR487 053412933
BC LL	0.0 PSF	HC - ENG DF/AF
TOT.LD.	40.0 PSF	SEQN - 18048
DUR.FAC.	1.25	FROM SA

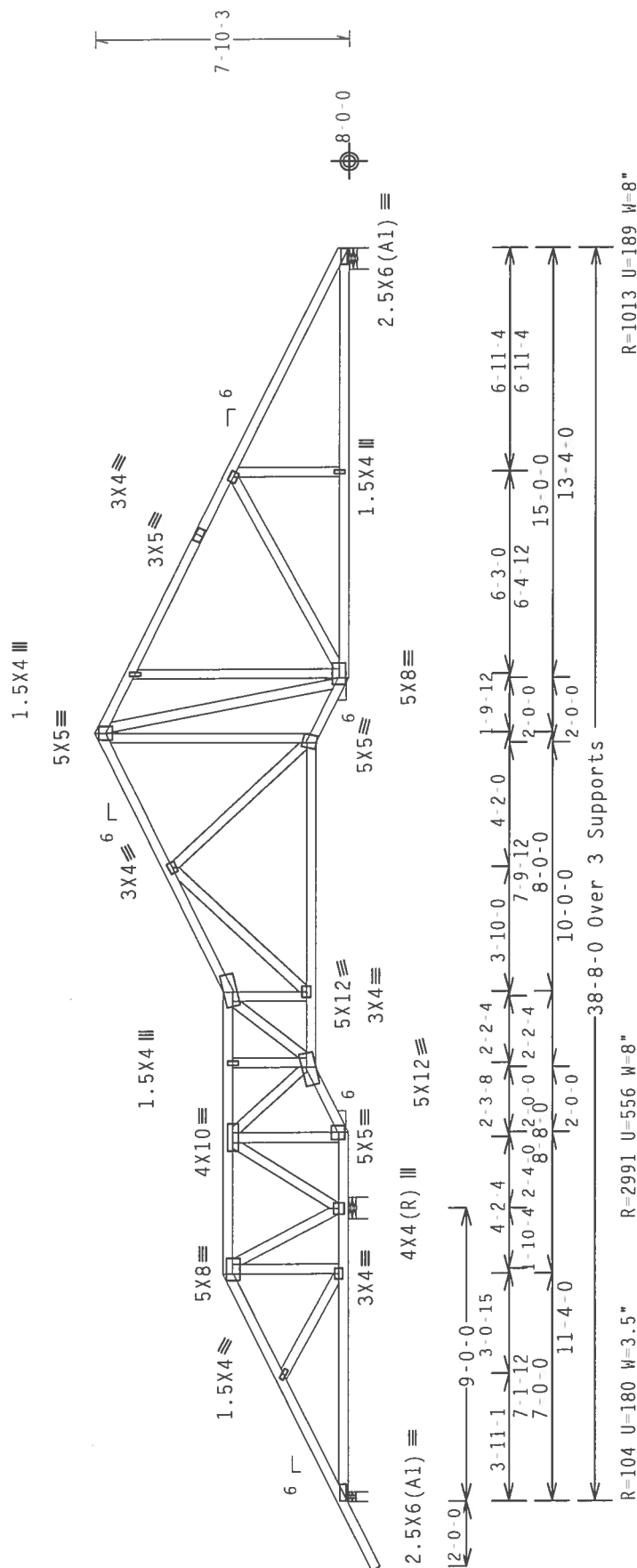
ALPINE

Alpine Engineered Products, Inc.
1950 Madison Drive

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

Dead loads are stated on projected horizontal area basis.

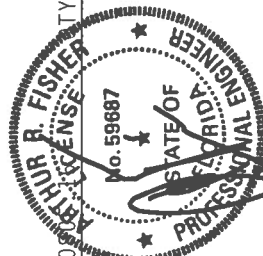
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



0

Scale = .1875"/Ft.

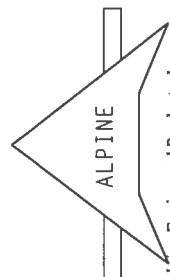
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BC DL	10.0 PSF	DRW	HCUSR487 05341302
BC LL	0.0 PSF	HC-ENG	DF /AF
TOT. LD.	40.0 PSF	SEQN-	18038
DUR. FAC.	1.25	FROM	SA



Dec 07 '05

****WARNING**** TRUSSES REQUIRE EXTERIOR GABLE END FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO BE COMPLETED PRIOR TO ERECTING COMPONENTS. SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURING ASSOCIATION, 14830 WOODVIEW DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSSES COUNCIL OF AMERICA), 6300 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO TRUSSING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. FOR STEEL) AND TPI. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSSES AND THE TRUSS PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPI-2002 SECTION 3. A SEAL ON THIS



Alpine Engineered Products, Inc.
1950 Marley Drive

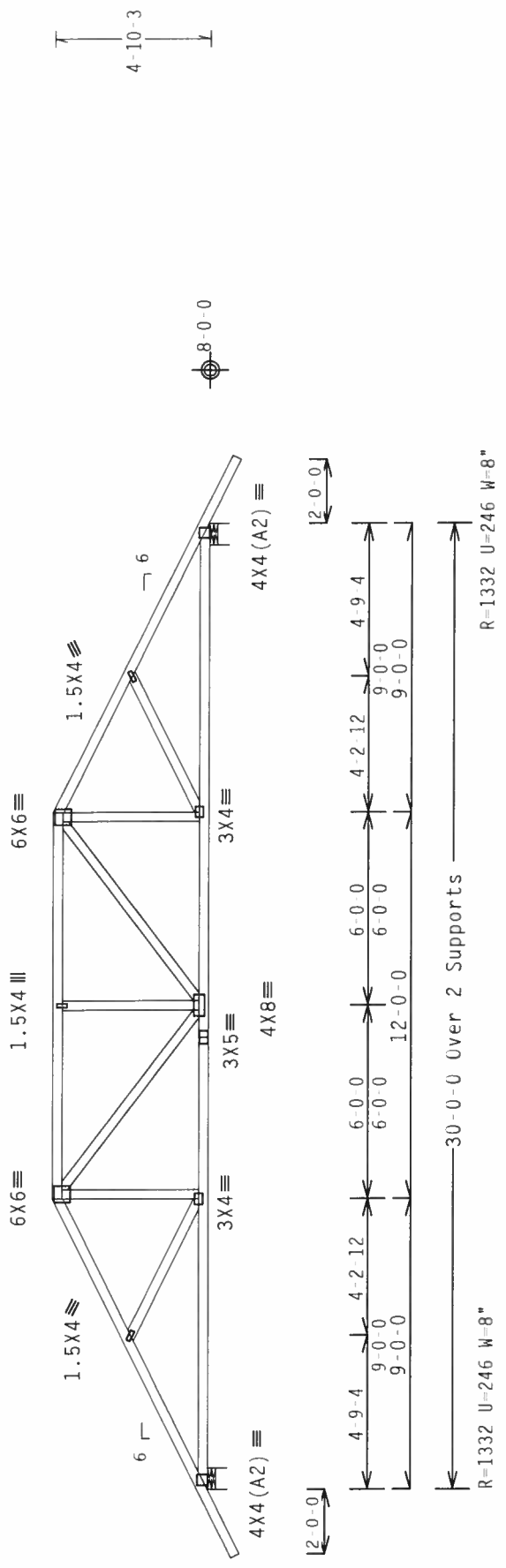
FL / - / 4 / - / - / R / -		Scale = .1875" / Ft.
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TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUR487 05341294
BC LL	0.0 PSF	HC ENG DF/AF
TOT. LD.	40.0 PSF	SEQN - 18044
DUR. FAC.	1.25	FROM SA

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

Dead loads are stated on projected horizontal area basis.

110 mph wind, 10.06 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



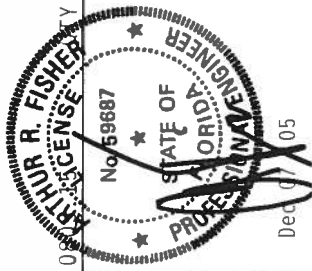
Design Crit: TPI-2002 (STU) / FBC

Scale = .1875" / Ft.

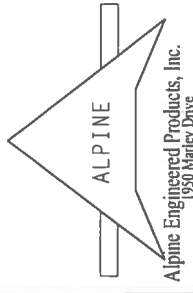
PLT TYP. Wave

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTION PLATES ARE MADE OF 20/16 ALUMINUM. UNLESS OTHERWISE INDICATED, ALL CONNECTION PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. 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.



TC LL	20.0 PSF	REF R487 - 32580
TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUSR487 05341269
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN - 18046
DUR.FAC.	1.25	FROM SA

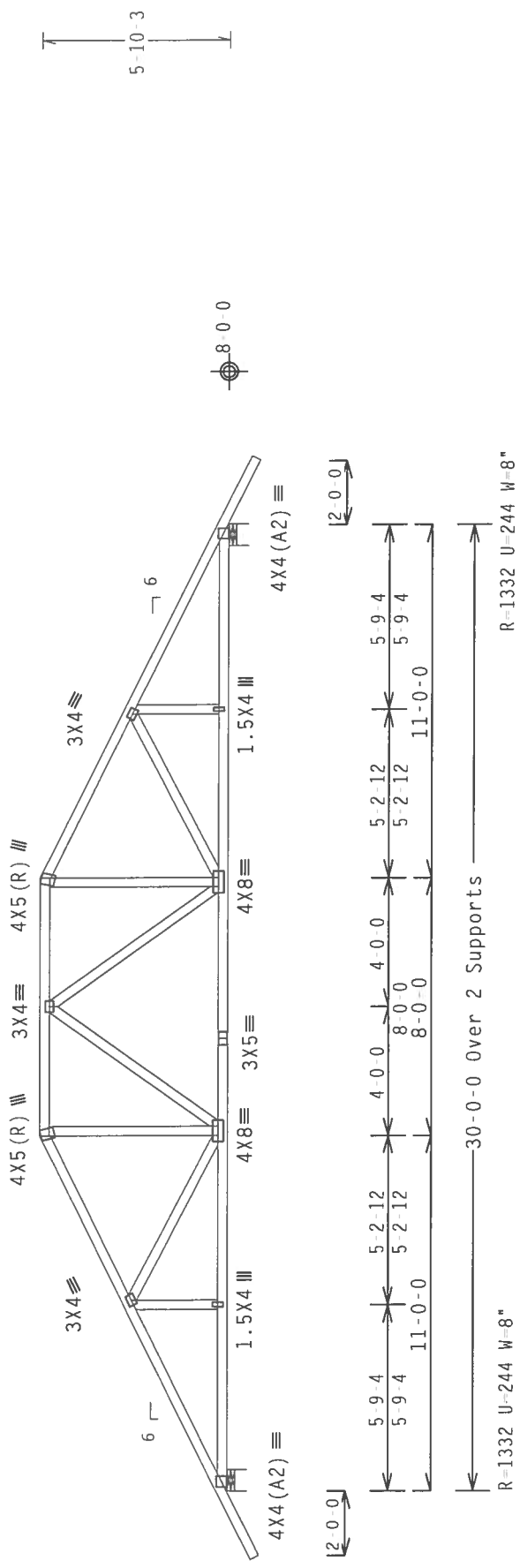


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 10.56 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind
BC DL-5.0 psf.

Dead loads are stated on projected horizontal area basis.

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



PLT TYP. Wave

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

Scale = .1875"/Ft.

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

REF R487 - 32581
DATE 12/07/05
DRW HCUSR487 05341270
HC-ENG DF/AF
SEQN- 18045
FROM SA

ARTHUR R. FISHER
No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Dec 07 '05

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDRETO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6700 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.

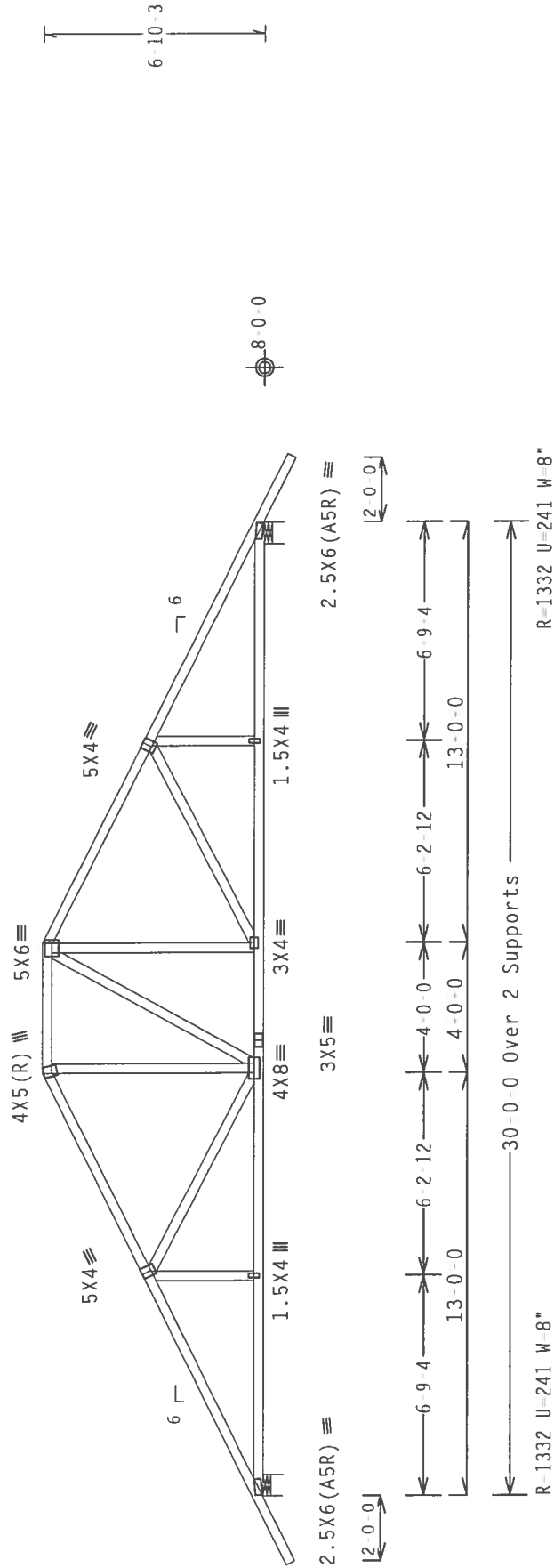
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. BY INSTALLING A TRUSS, THE DESIGN CONTRACTOR WITH APPLICABLE PROVISIONS OF THE BUILDING CODES, SHALL BE DEEMED TO HAVE APPLIED THE DESIGN TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2. 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.

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

110 mph wind, 11.06 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

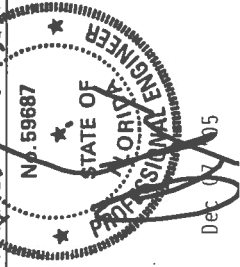
7.04.00

FL/-4/-/-R/-

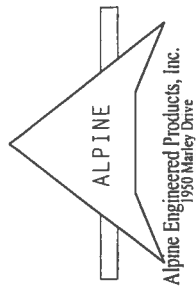
Scale = .1875"/Ft.

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TC LL	20.0 PSF	REF	R487 - 32582
TC DL	10.0 PSF	DATE	12/07/05
BC DL	10.0 PSF	DRW	HCUSR487 05341271
BC LL	0.0 PSF	HC-ENG	DF/AF
TOT.LD.	40.0 PSF	SEQN	18043
DUR.FAC.	1.25	FROM	SA

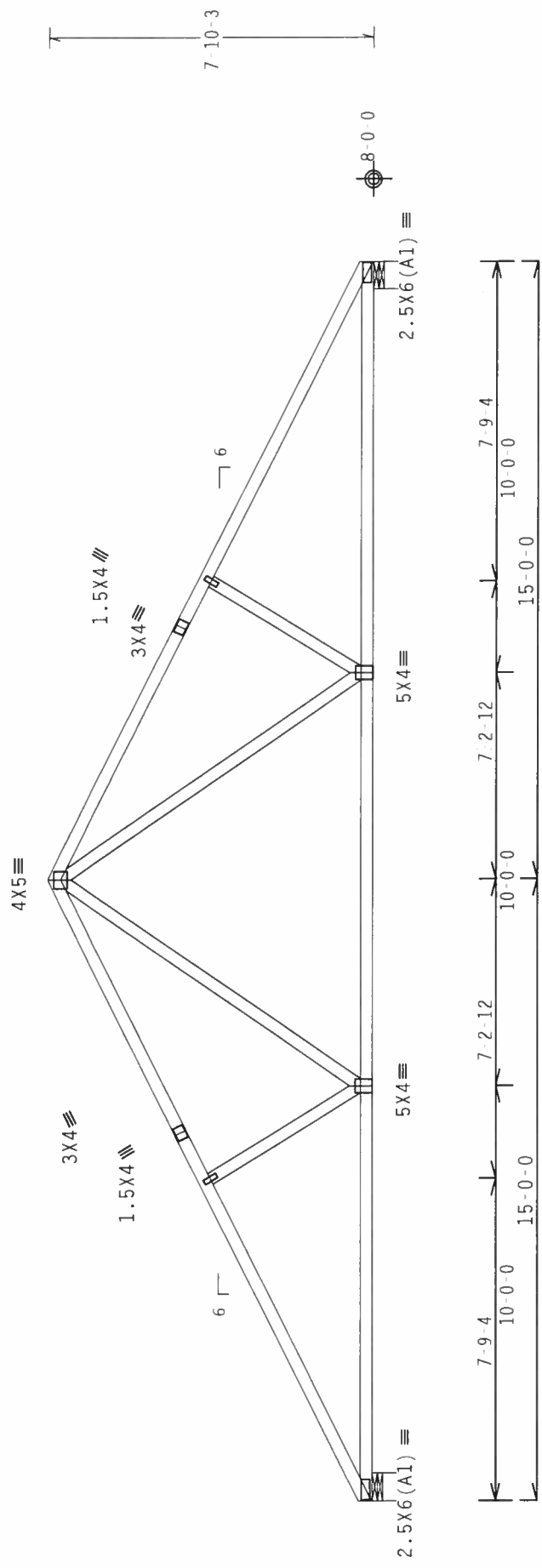


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 12.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

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



30-0-0 Over 2 Supports
R=1200 U=202 W=8"

Design Crit: TPI-2002(STD)/FBC

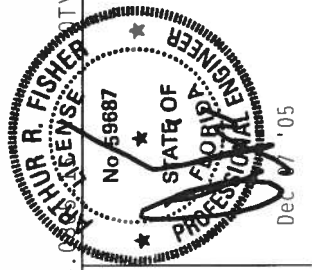
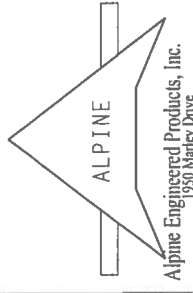
Scale = .25"/Ft.

PLT TYP. Wave

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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR MICA REQUIREMENTS, OR PROVIDING A BRACING OF TRUSSES, OR PROVIDING A RIGID CEILING, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE TPI AND MICA REQUIREMENTS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE TPI AND MICA REQUIREMENTS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE TPI AND MICA REQUIREMENTS.

TC LL	20.0 PSF	REF R487 - 32583
TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUSR487 05341272
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT. LD.	40.0 PSF	SEQN - 18041
DUR. FAC.	1.25	FROM SA



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

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

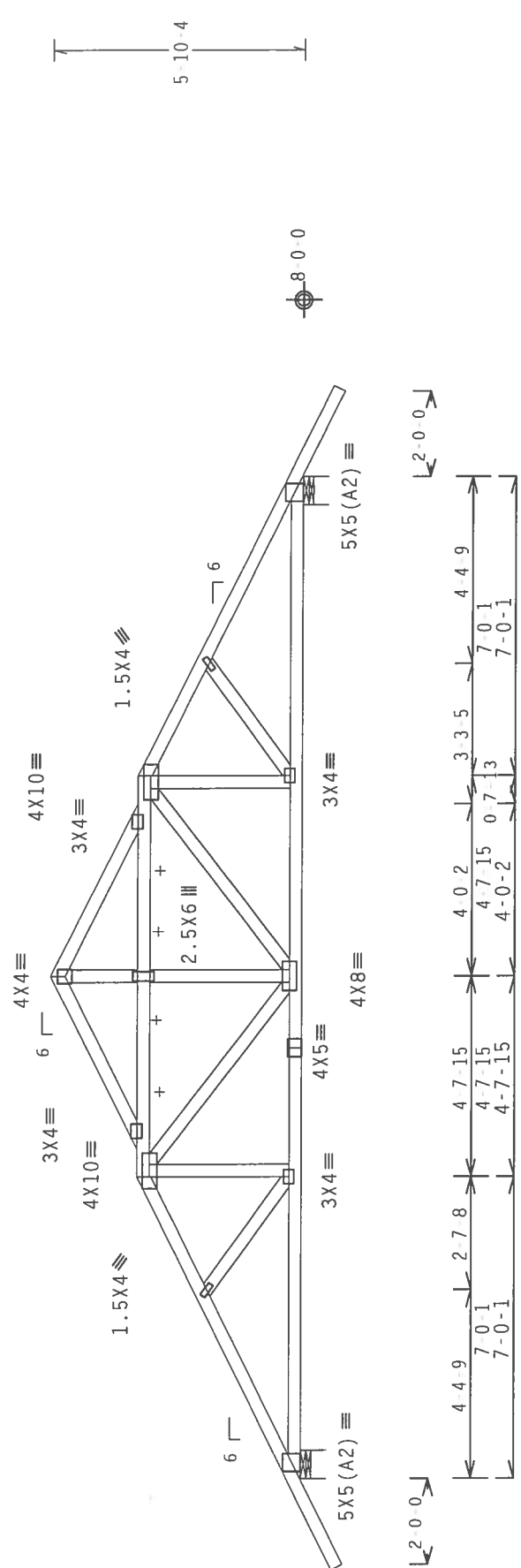
SPECIAL LOADS

TC - From	60 PLF at 2.13 to 120 PLF at 7.00	DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25
TC - From	120 PLF at 7.00 to 142 PLF at 15.68	
TC - From	142 PLF at 15.68 to 120 PLF at 16.33	
TC - From	120 PLF at 16.33 to 60 PLF at 25.46	
TC - From	60 PLF at 25.46 to 4 PLF at 0.00	
TC - From	4 PLF at 0.00 to 20 PLF at 7.00	
TC - From	20 PLF at 7.00 to 44 PLF at 16.33	
TC - From	44 PLF at 16.33 to 20 PLF at 23.33	
TC - From	20 PLF at 23.33 to 4 PLF at 25.46	
TC - From	4 PLF at 25.46 to 461 LB Conc. Load at 7.00, 16.33	

Dead loads are stated on projected horizontal area basis.

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

LATERALLY BRACE TOP CHORD BELOW FILLER AT 24" O.C., INCLUDING A LATERAL BRACE AT CHORD ENDS.



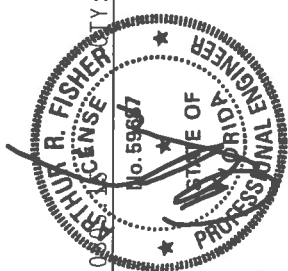
R-2006 U-463 W-8"
23'-4-0 Over 2 Supports
R-2006 U-463 W-8"

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

PLT TYP. Wave

Scale = .25"/Ft.

PLT TYP. Wave	TC LL 20.0 PSF	REF R487 - 32585
	TC DL 10.0 PSF	DATE 12/07/05
	BC DL 10.0 PSF	DRW HCUSR487 05341303
	BC LL 0.0 PSF	HC-ENG DF/AF
	TOT.LD. 40.0 PSF	SEQN - 18027
	DUR.FAC. 1.25	FROM SA



ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive

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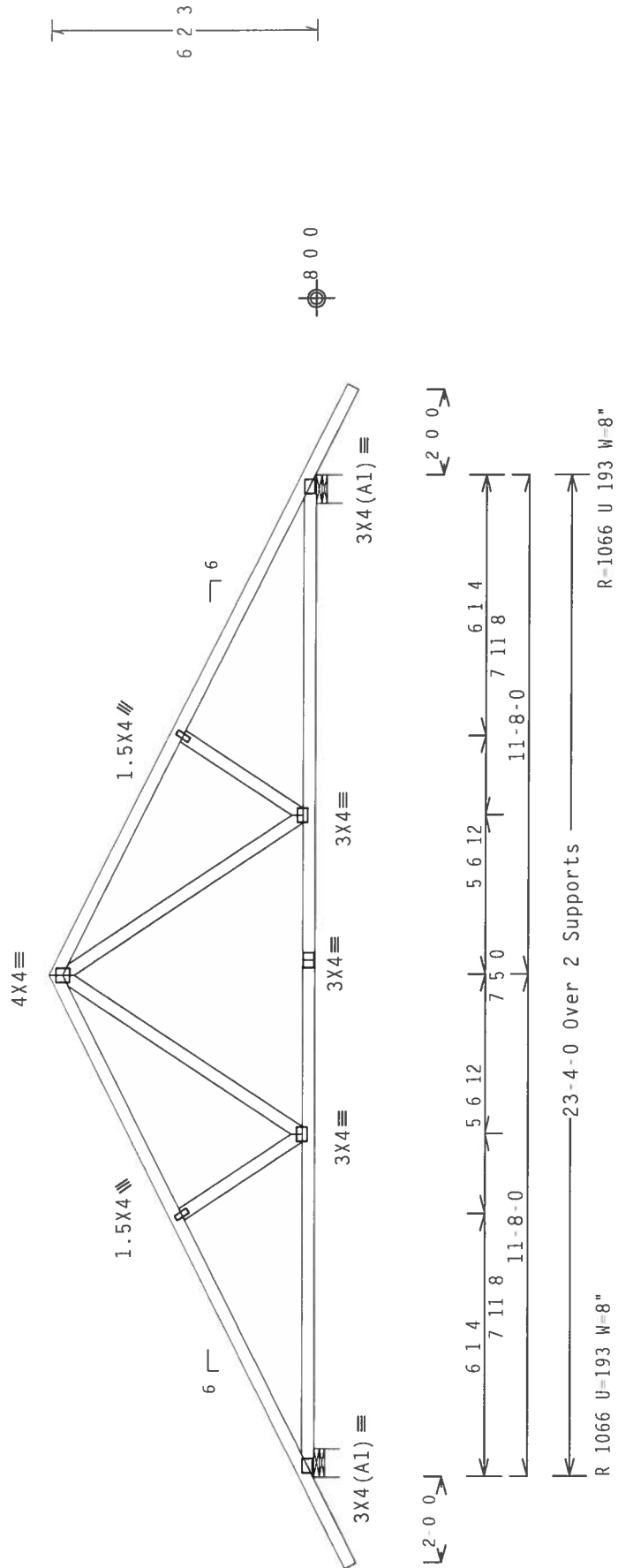
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 10.73 ft mean hgt, ASCE 7 98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind
BC DL-5.0 psf.

Dead loads are stated on projected horizontal area basis.

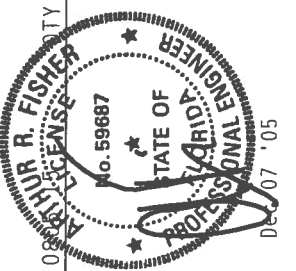
Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

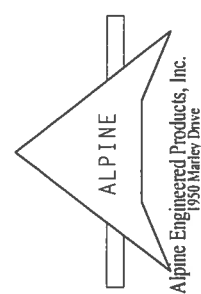
Scale = .25"/Ft.

TC LL	20.0 PSF	REF R487 -	32586
TC DL	10.0 PSF	DATE	12/07/05
BC DL	10.0 PSF	DRW HCUSR487	05341274
BC LL	0.0 PSF	HC-ENG DF/AF	*
TOT.LD.	40.0 PSF	SEQN	18028
DUR.FAC.	1.25	FROM	SA

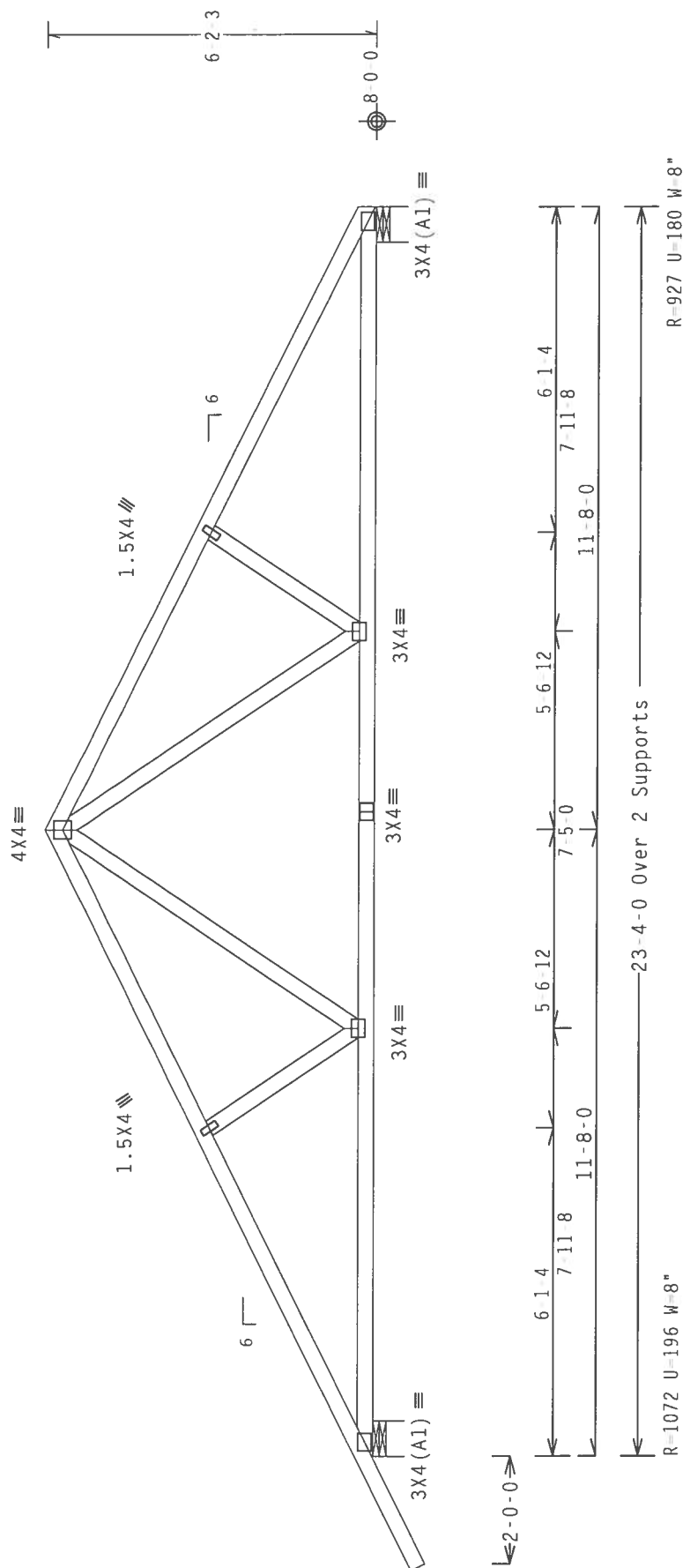


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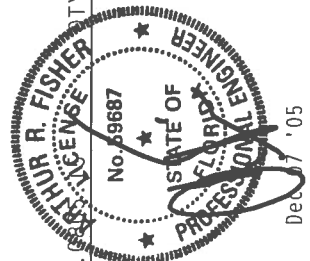
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Scale = .3125"/Ft.

TC LL	20.0	PSF	REF R487 - -	32587
TC DL	10.0	PSF	DATE	12/07/05
BC DL	10.0	PSF	DRW HCUR487	05341275
BC LL	0.0	PSF	HC-ENG DF/AF	*
TOT.LD.	40.0	PSF	SEQN -	18029
DUR.FAC.	1.25		FROM	SA



Dec 7 '05



Alpine Engineered Products, Inc.
1950 Marlev Drive

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

Concentrated load(s) must be evenly distributed over all plies of this girder. Provide additional clusters of nails in the quantities shown by the numbers in circles at that location thru the back side of the truss as the third member is applied (back nailing). Nail type is to match nailing schedule shown on this drawing.

SPECIAL LOADS

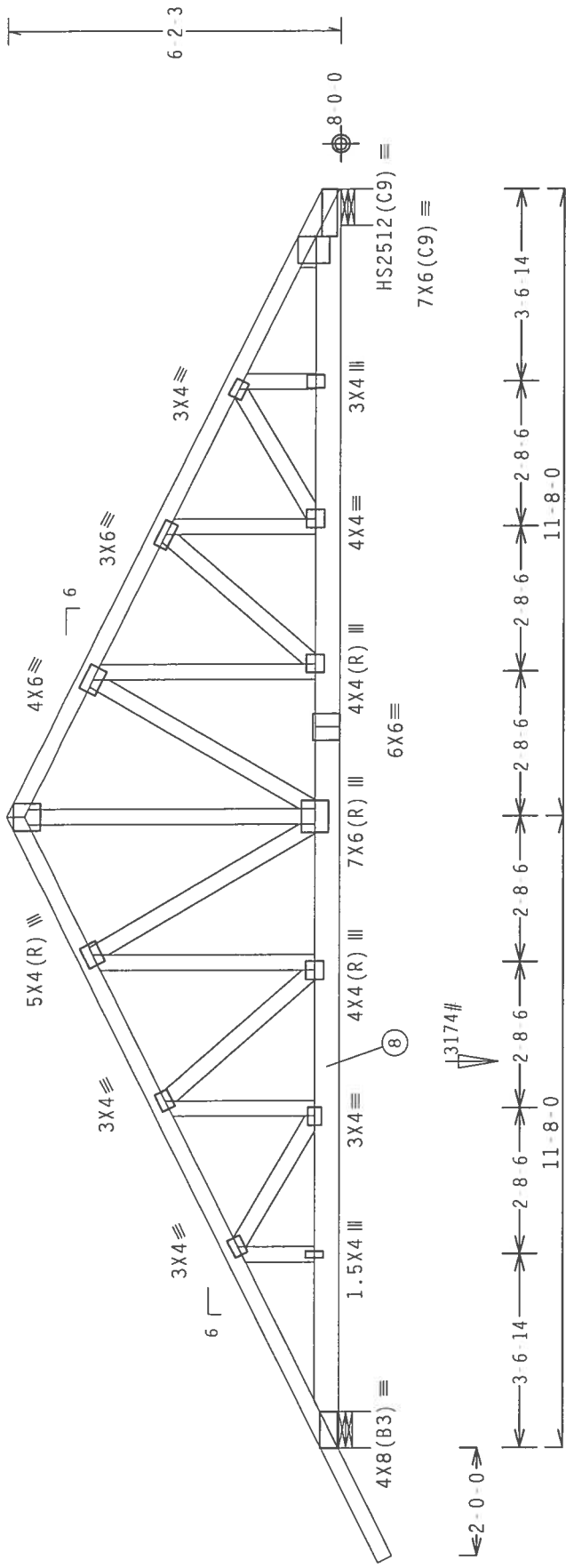
- TC - From 60 PLF at 2.13 to 60 PLF at 23.33
- BC - From 4 PLF at 2.13 to 4 PLF at 0.00
- BC - From 20 PLF at 0.00 to 20 PLF at 23.33
- BC - 3174 LB Conc. Load at 7.12
- BC - 1530 LB Conc. Load at 9.06, 11.06
- BC - 1540 LB Conc. Load at 13.06, 15.06, 17.06, 19.06, 21.06

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @3.25" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Dead loads are stated on projected horizontal area basis.

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



R=7076 U=1341 W=8"

R-8860 U=1591 W=8"

Design Crit: TPI-2002(STD)/FBC

Scale = .3125"/Ft.

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

REF	R487 - 32588
DATE	12/07/05
DRW	HCUSR487 05341304
HC-ENG	DF/AF
SEQN	18030
FROM	SA

PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.0

FL/-/4/-/R/-

Scale = .3125"/Ft.

REF R487 - 32588

DATE 12/07/05

DRW HCUSR487 05341304

HC-ENG DF/AF

SEQN 18030

FROM SA

DUR.FAC. 1.25

Dec 07 '05

ARTHUR R. FISHER
LICENSED PROFESSIONAL ENGINEER
STATE OF ALABAMA
No. 59887

ALPINE ENGINEERED PRODUCTS, INC.
1950 Marley Drive

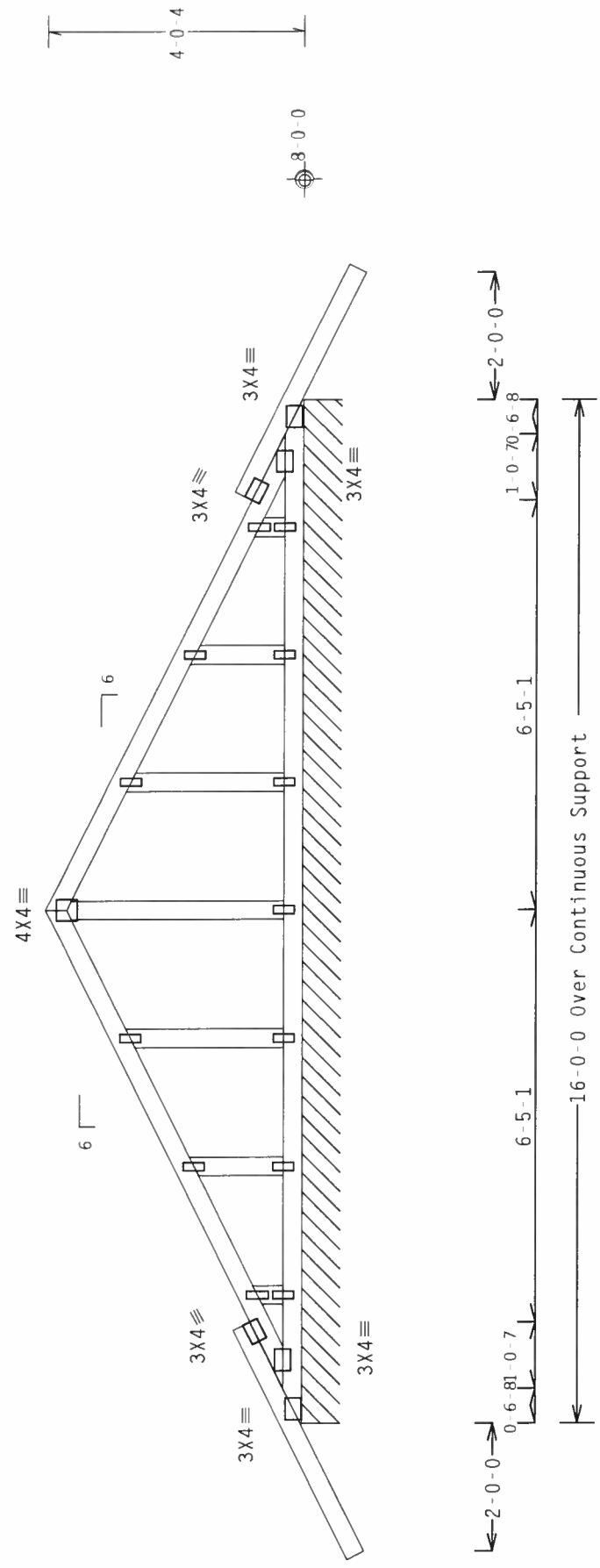
	Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense	
Webbs	2x4	SP	#3		

110 mph wind, 9.65 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

SPECIAL LOADS

		LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25		
TC	From	60 PLF at -2.13	to	60 PLF at -2.00
TC	From	82 PLF at -2.00	to	82 PLF at 18.00
TC	From	60 PLF at 18.00	to	60 PLF at 18.13
BC	From	4 PLF at -2.13	to	4 PLF at 0.00
BC	From	20 PLF at 0.00	to	20 PLF at 16.00
BC	From	4 PLF at 16.00	to	4 PLF at 18.13

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Scale = .375" / Ft.

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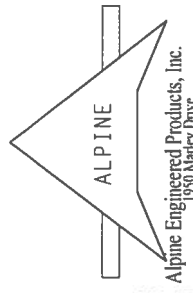
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REF	R487 --	32589
DATE	12/07/05	
DRW	HCUSR437	05341295
TC LL	20.0 PSF	
TC DL	10.0 PSF	
BC DL	10.0 PSF	
BC LL	0.0 PSF	
TOT.LD.	40.0 PSF	
SEQN-	18040	REV
DUR.FAC.	1.25	
FROM	SA	





Alpine Engineered Products, Inc.
1950 N. Mayes Drive

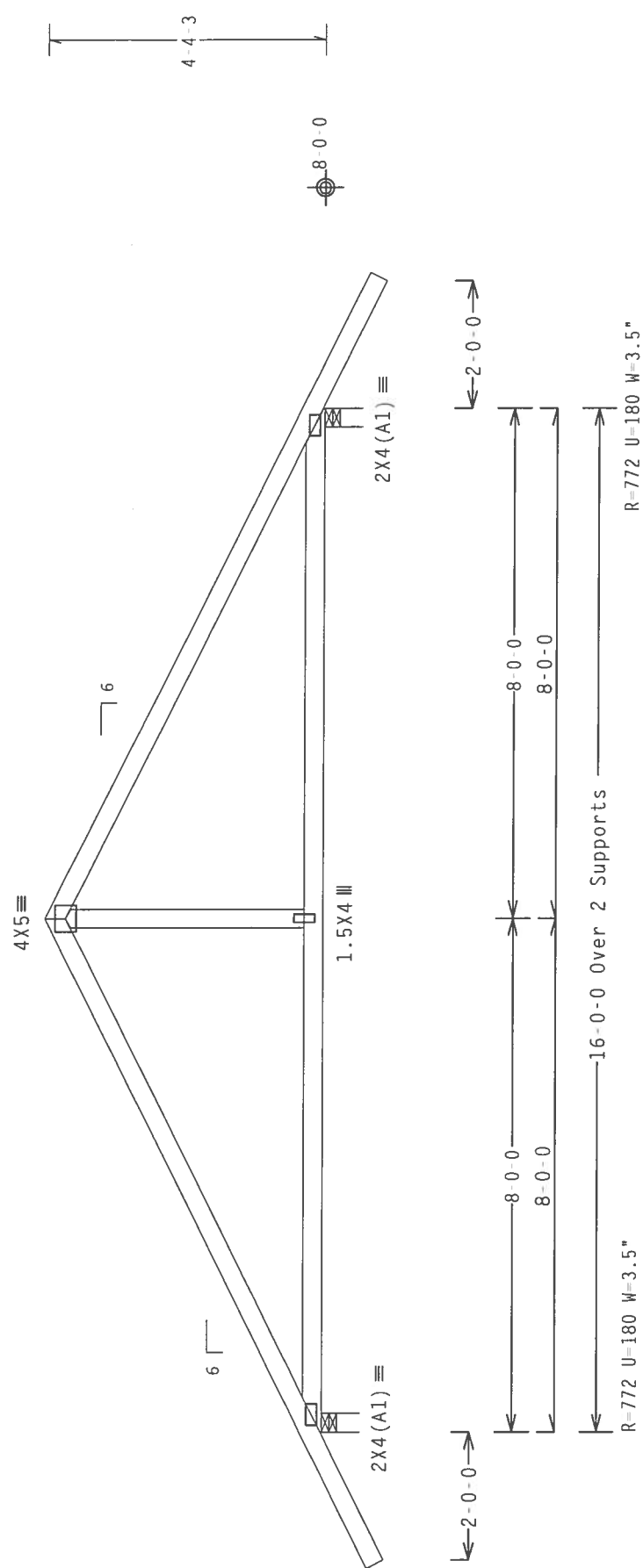


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Dead loads are stated on projected horizontal area basis.

110 mph wind. 9.81 ft mean hgt, ASCE 7-98. CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

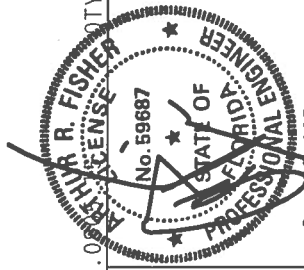
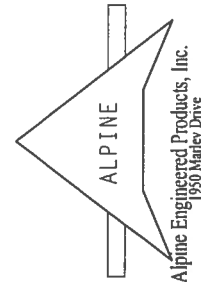
FL/-4/-/R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 D'ONDORF 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.

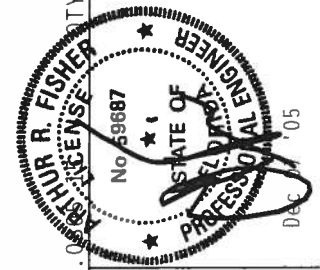
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CORRECTION PLATES ARE MADE OF 20/18/16 GA. ALUMINUM. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, POSITION PER DRAWINGS, AND ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANHES A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

TC LL	20.0 PSF	REF R487 - - 32590
TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUSR487 05341276
BC LL	0.0 PSF	HC-ENG DF/AF *
TOT.LD.	40.0 PSF	SEQN- 18037
DUR.FAC.	1.25	FROM SA



110 mph wind, 10.35 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



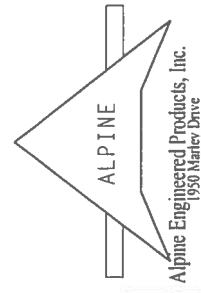
Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487 -- 32591
TC DL	10.0	PSF	DATE 12/07/05
BC DL	10.0	PSF	DRW HCUSR487 05341277
BC LL	0.0	PSF	HC-ENG DF/AF *
TOT.LD.	40.0	PSF	SEQN- 18036
DUR.FAC.	1.25		FROM SA

[illegible]

*** 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. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATION FOR STEEL CONNECTIONS. MEMBERS ARE MADE OF 2019/18 (M-H/5/2) ASH A663 GRADE 40/50 (M-H/5/3) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PER SPACING 16GA. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT



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

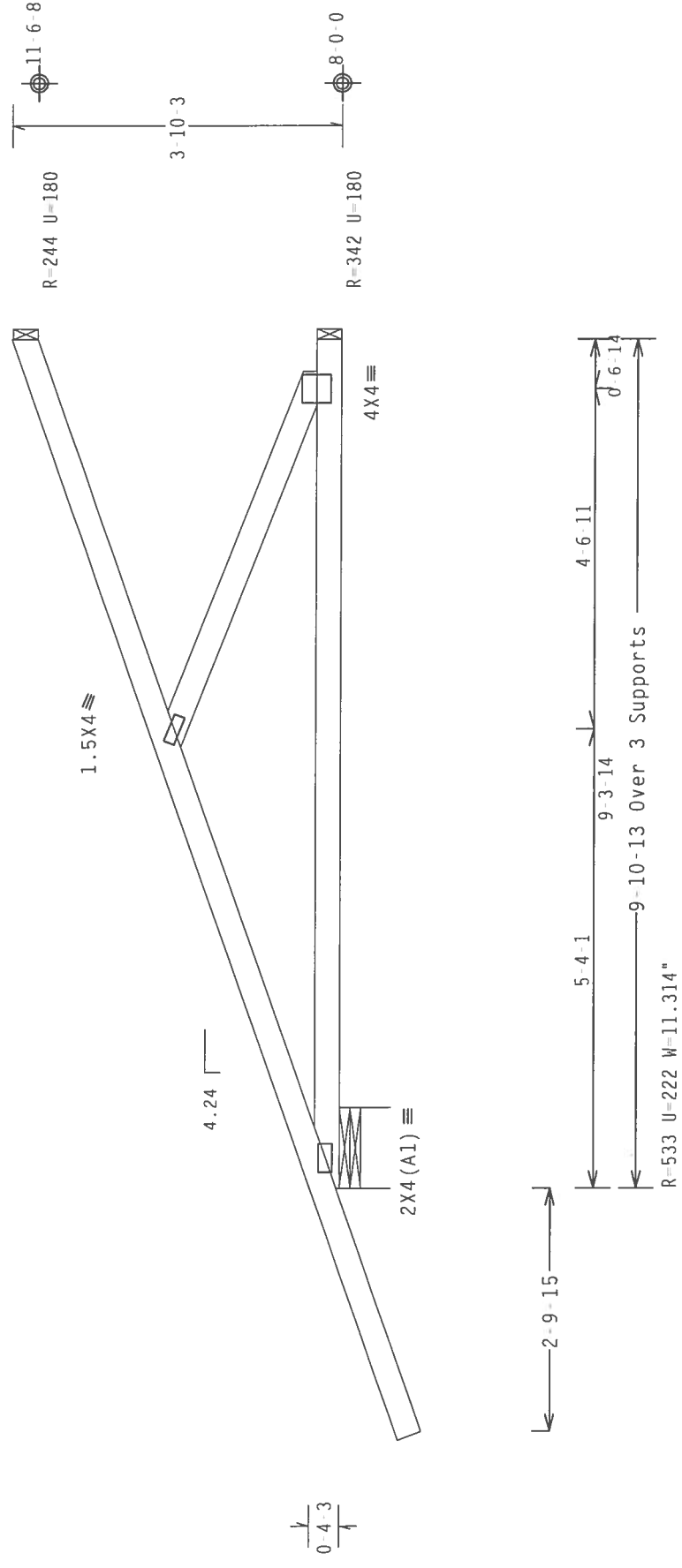
Dead loads are stated on projected horizontal area basis.

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

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

Hipjack supports 7'-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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

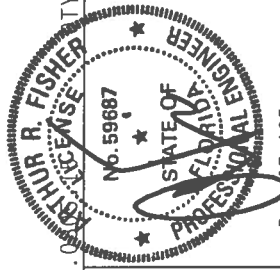
TY: 6

FL/-/4/-/R/-

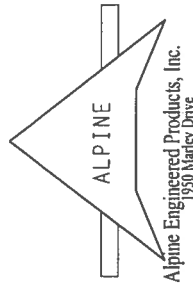
Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'UNTERIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 INTERPRESE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. POSTERIOR TO THE DATE OF THIS DESIGN, THE USER SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION OF PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSTERIOR PER A SEAL OR THIS ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI 2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



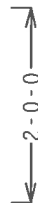
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TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUR487 05341296
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 18031
DUR.FAC.	1.25	FROM SA



1110 mph wind, 9.56 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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

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



R-441 U-180 W-8"

THIR R. FISHER
LIBRARIAN
TY: 31 FL/-4/-/-R/-

Scale = .5"/Ft.

REF R487 -- 32593

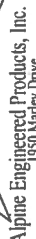
DATE 12/07/05

ORW HCUSR487 05341297

HC - ENG DF / AF

18035
SEQN-

FROM SA



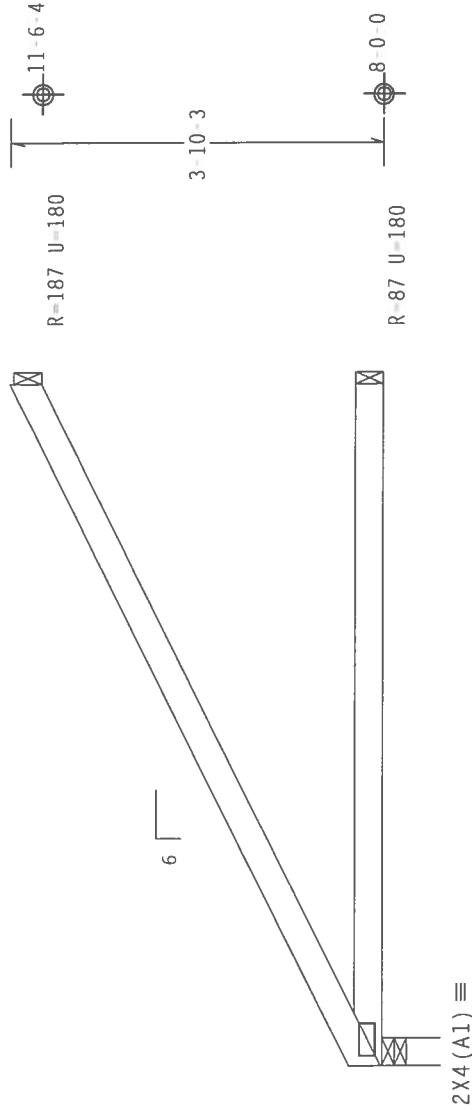
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Dead loads are stated on projected horizontal area basis.

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

110 mph wind, 10.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



7-0-0 Over 3 Supports
R-286 U=180 W=3.5"

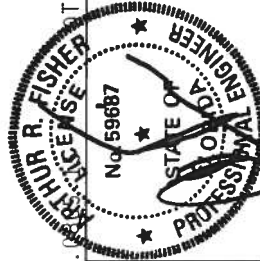
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04

PLT TYP. Wave

****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'ONOFRI 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 TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. THE TRUSS COMPONENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS COMPONENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive



TY: 1

FL/-4/-/R/-

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487 - 32594
TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUSR487 05341298
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN - 18047
DUR.FAC.	1.25	FROM SA

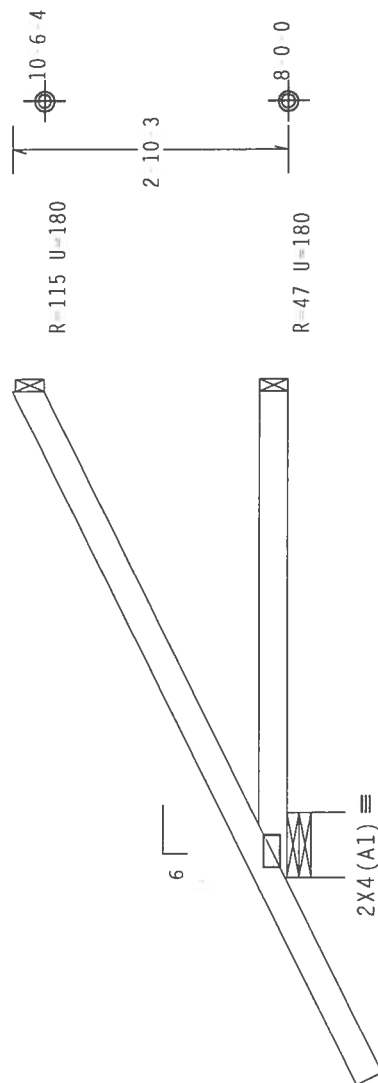
Top chord	2x4	SP	#2 Dense
Bot chord	2x4	SP	#2 Dense

Dead loads are stated on projected horizontal area basis.

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

110 mph wind, 9.06 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



200

5-0-0 Over 3 Supports

Design Crit: TPI-2002(STD)/FBC

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

Scale = .5"/Ft.

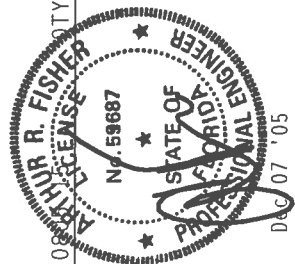
FL/-/4/-/-/R/-

$$5)/10(0) \quad 7.$$
 $Cq/RT=1.00$

Design C

PLT TYP. Wave

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO AVOID A LOSS OF STRENGTH. PUBLISHED BY IPT (PRESS PLACE) INSTITUTE, 583 CROFT ROAD, NEWTON, MASSACHUSETTS 02459. FOR A FREE CATALOG, CONTACT: IPT, 583 CROFT ROAD, NEWTON, MASSACHUSETTS 02459. *ADDITIONAL INFORMATION* THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORDS. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORDS.

[illegible]

Alpine Engineered Products, Inc.
1950 Marley Drive

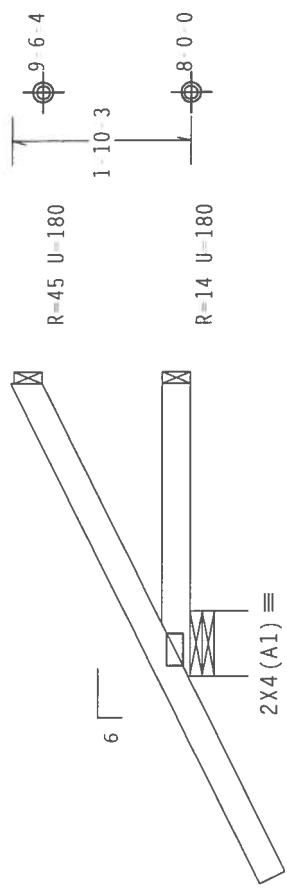
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Dead loads are stated on projected horizontal area basis.

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

110 mph wind, 8.56 ft mean hgt, ASCE 7-98. CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



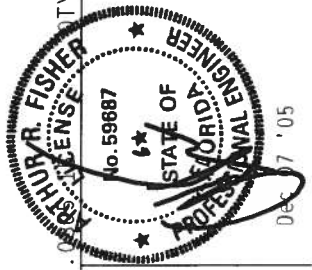
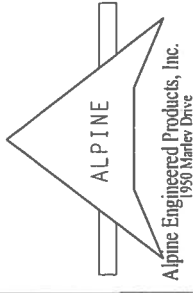
2-0-0
3-0-0 Over 3 Supports
R=313 U-180 W-8"

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

PLT TYP. Wave

****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-ONOFREDI 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 TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPECIFICATION FOR STEEL TRUSSES. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W 3/8) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE ENTIRETY OF THIS DOCUMENT FOR AND INCLUDING IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC.



TY:12	FL/-4/-R/-	Scale = .5"/Ft.
TC LL	20.0 PSF	REF R487 - 32596
TC DL	10.0 PSF	DATE 12/07/05
BC DL	10.0 PSF	DRW HCUSR487 05341300
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 18033
DUR.FAC.	1.25	FROM SA

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.

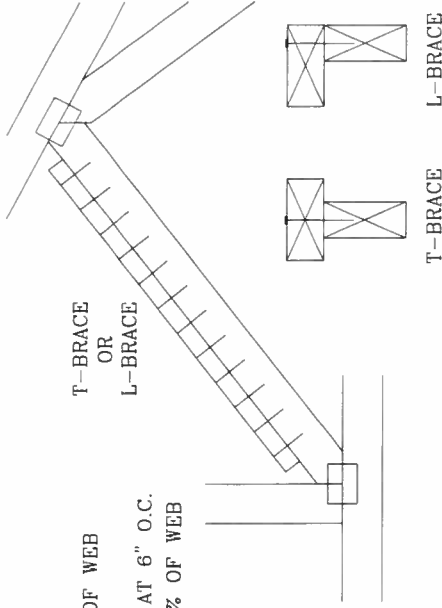
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

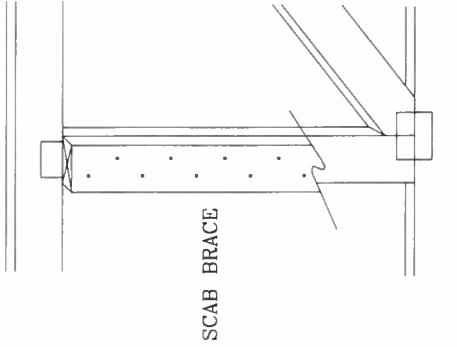
T-BRACING
OR
L-BRACING:

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



SCAB BRACING:

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

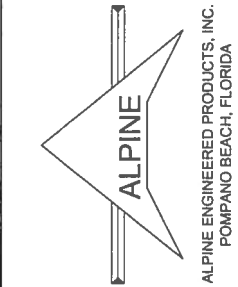


THIS DRAWING REPLACES DRAWING 579,640



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUDMAN DR., SUITE 200, MADISON, WI 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING



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.			

ASCE 7-98: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

2x4 GABLE VERTICAL SPACING SPECIES GRADE		(1) 1x4 "L" BRACE		(2) 2x4 "L" BRACE		(1) 2x6 "L" BRACE		(2) 2x6 "L" BRACE		(1) 2x6 "L" BRACE		(2) 2x6 "L" BRACE	
		GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
MAX GABLE VERTICAL LENGTH	SPF	3' 10"	6' 8"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	12' 5"	12' 9"	14' 0"	14' 0"
	HF	3' 9"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	12' 4"	12' 4"	14' 0"	14' 0"
	SP	3' 9"	5' 2"	6' 9"	6' 9"	9' 5"	9' 5"	12' 3"	12' 3"	12' 3"	12' 3"	14' 0"	14' 0"
	DFL	4' 3"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
24" O.C.	SP	4' 2"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	4' 0"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	4' 0"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	4' 5"	7' 8"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	4' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	4' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	4' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	4' 10"	7' 8"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	4' 9"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	4' 9"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	4' 9"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	4' 11"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"

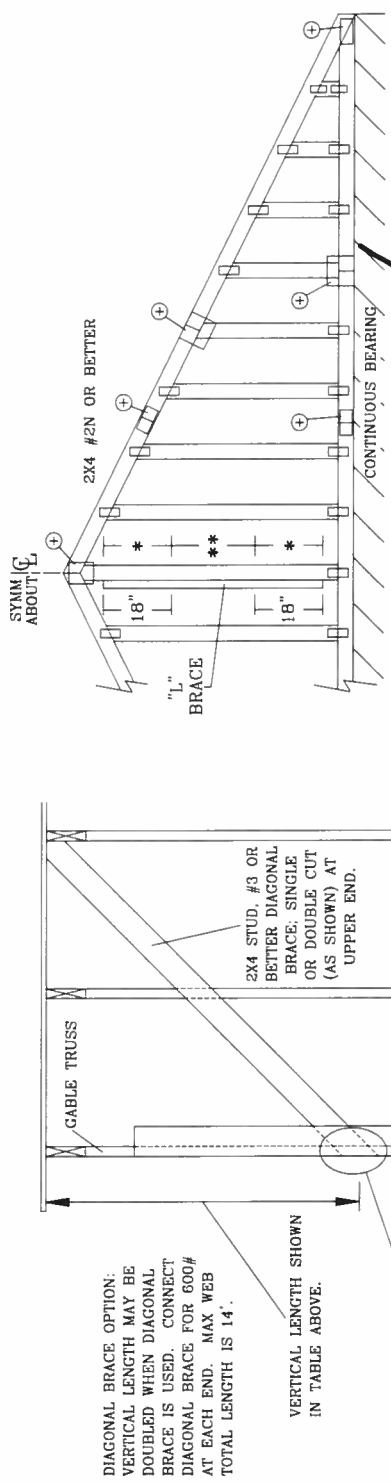
BRACING GROUP SPECIES AND GRADES:			
GROUP A:			
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD
DOUGLAS FIR-LARCH			
#3	STUD	SOUTHERN PINE	
STANDARD		#3	STUD
			STANDARD

GROUP B:			
HEM-FIR		DOUGLAS FIR-LARCH	
#1 & BTR		#1	
#1		#2	
DOUGLAS FIR-LARCH		SOUTHERN PINE	
		#1	
		#2	

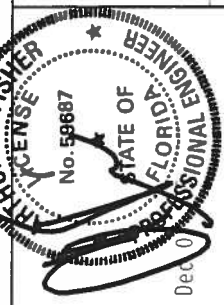
GABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- * FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18' END ZONES AND 4" O.C. BETWEEN ZONES.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18' END ZONES AND 6" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH	NO SPLICE	
LESS THAN 4' 0"	1X4 OR 2X3	
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	
GREATER THAN 11' 6"	2.5X4	
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.		



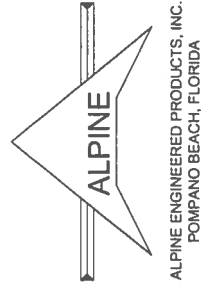
REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DOWNEY RD., SUITE 200, MADISON, WI 53719) AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. HAS THE RESPONSIBILITY FOR THE DESIGN, MANUFACTURING, AND INSTALLATION OF THE TRUSS. THE TRUSS IS TO BE USED IN CONFORMANCE WITH TPI OR FABRICATING HANDLING AND INSTALLATION GUIDE BY ALPINE ENGINEERED PRODUCTS, INC. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF UDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD 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

REF	ASCT7-98-GAB11015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	
MAX. TOT. LD. 60 PSF	



GABLE DETAIL FOR LET-IN VERTICALS

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

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

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

EXAMPLE: 2X4 2X8



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

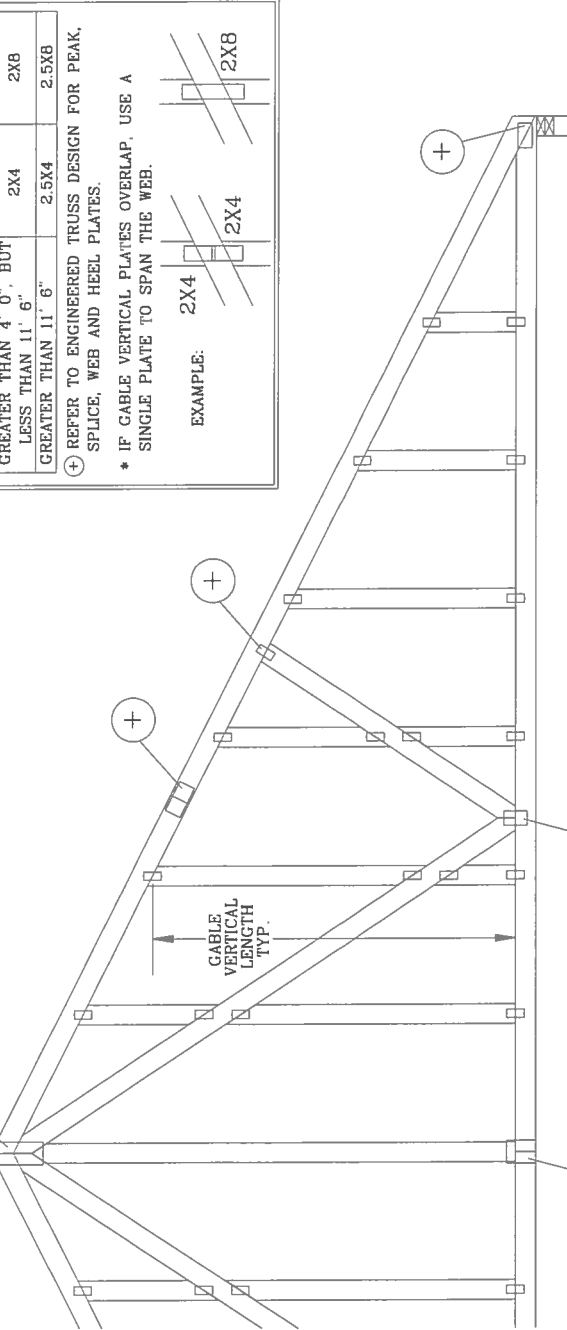
MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL
LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP
AND BOTTOM CHORD.

GUN DRIVEN NAILS - 0.131" X 3":

TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE

OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103

A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103

SBCCI GABLE DETAIL DRAWINGS

S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103

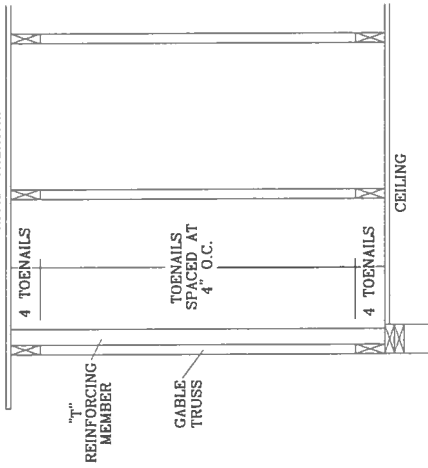
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

VERTICAL LENGTH.

RIGID SHEATHING



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS
PLATE INSTITUTE, 593 D'ONDORIO DR., SUITE 200, MADISON, WI 53719) AND VITA (WOOD TRUSS COUNCIL
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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 &
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BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/X) ASTM A653 GRADE
40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED
ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL
BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN SHOWN. THE
PROFESSIONAL ENGINEERING RESPONSIBILITY IS SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE
DESIGNER, PER ANSI/TPI 1 SEC. 2



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLLETIN1103
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"