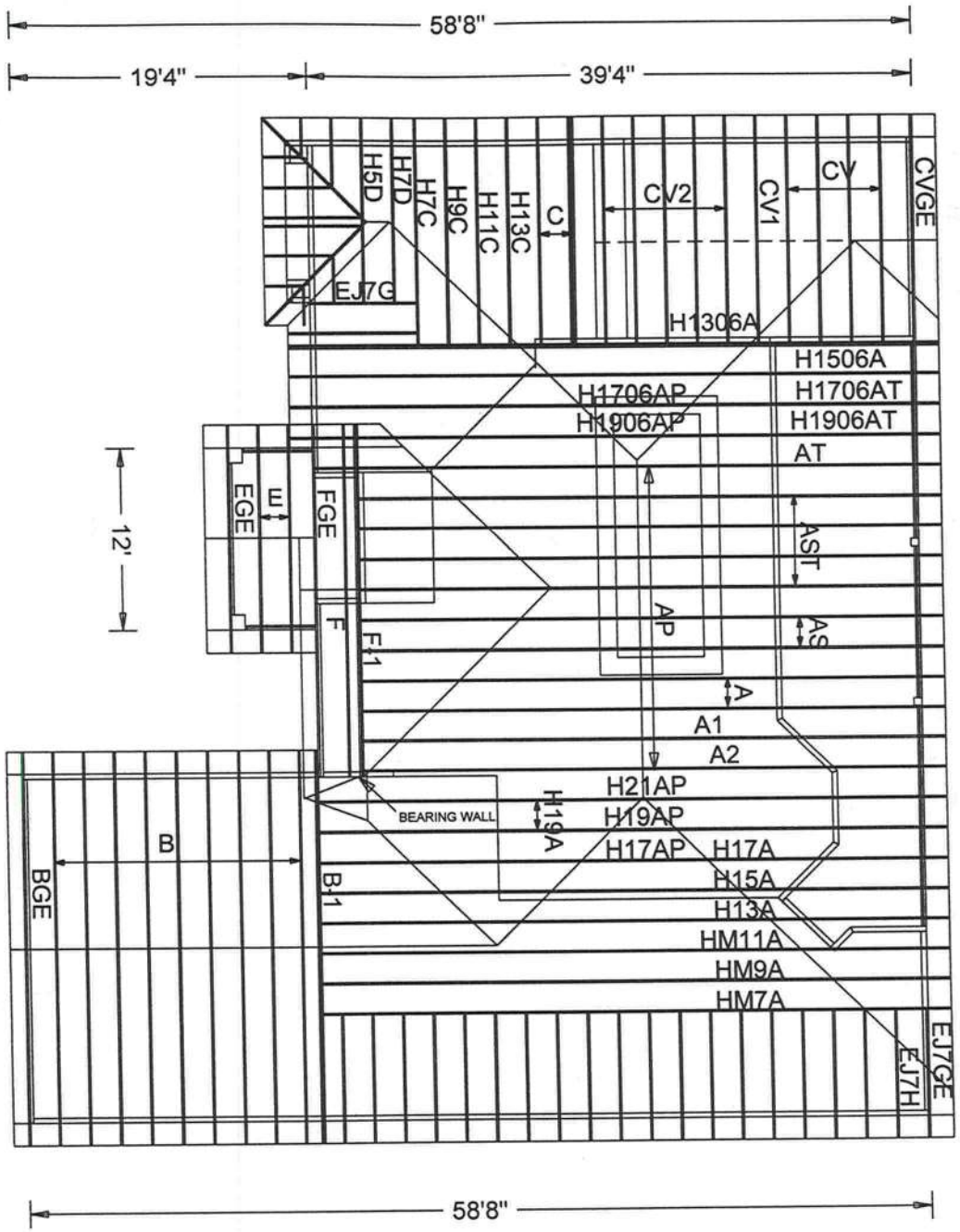


Roof Plane Sheathing Area = 4182 sq. ft

MATTHEW ERKINGER/KELLY LAKE LOT 2

PERMIT # 21736

PAGE NO:	JOB NO:	DESIGNED BY:	JOB DESCRIPTION:	JOB LOCATION:
1 OF 1	025		MATTHEW ERKINGER/KELLY LAKE L	

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844 (863) 422-8685
Florida Engineering Certificate of Authorization Number: 567
 Document ID:1SCI487-Z0730133121

Truss Fabricator: Anderson Truss Company
Job Identification: 025-MATTHEW ERKINGER/KELLY LAKE LOT 2 (025|-MATTHEW ERKINGER/KELLY LAKE LOT 2)
Truss Count: 49
Model Code: Florida Building Code 2001
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software,Versions 6.33.0716.23, 7.00.1218.19.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE-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 1-1995 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Seal Date: 04/30/2004

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-A11015EC-GBLLETIN

#	Ref Description	Drawing#	Date
1	68487--HM7A	04121128	04/30/04
2	68488--H1306A	04121129	04/30/04
3	68489--HM9A	04121130	04/30/04
4	68490--HM11A	04121131	04/30/04
5	68491--H13A	04121132	04/30/04
6	68492--H15A	04121133	04/30/04
7	68493--H1506A	04121134	04/30/04
8	68494--H17A	04121135	04/30/04
9	68495--H19A	04121136	04/30/04
10	68496--A2	04121137	04/30/04
11	68497--A1	04121138	04/30/04
12	68498--A	04121139	04/30/04
13	68499--AS	04121140	04/30/04
14	68500--AST	04121141	04/30/04
15	68501--H1706AT	04121142	04/30/04
16	68502--H1906AT	04121143	04/30/04
17	68503--AT	04121144	04/30/04
18	68504--B	04121145	04/30/04
19	68505--BGE	04121146	04/30/04
20	68507--H7C	04121148	04/30/04
21	68508--H9C	04121149	04/30/04
22	68509--H11C	04121150	04/30/04
23	68510--H13C	04121151	04/30/04
24	68511--C	04121152	04/30/04
25	68512--CVGE	04121153	04/30/04
26	68513--CV	04121154	04/30/04
27	68514--CV1	04121155	04/30/04
28	68515--CV2	04121156	04/30/04
29	68516--H5D	04121157	04/30/04
30	68517--H7D	04121158	04/30/04
31	68518--EGE	04121159	04/30/04
32	68519--E	04121160	04/30/04
33	68520--F	04121161	04/30/04
34	68521--FGE	04121177	04/30/04
35	68522--F-1	04121162	04/30/04
36	68523--EJ7	04121163	04/30/04
37	68524--EJ7H	04121164	04/30/04
38	68525--EJ7GE	04121165	04/30/04

#	Ref Description	Drawing#	Date
39	68526--CJ1	04121166	04/30/04
40	68527--HJ5	04121167	04/30/04
41	68528--CJ3	04121168	04/30/04
42	68529--EJ7G	04121169	04/30/04
43	68530--EJ5	04121170	04/30/04
44	68531--AP	04121171	04/30/04
45	68532--H1706AP	04121172	04/30/04
46	68533--H1906AT	04121173	04/30/04
47	68534--H17AP	04121174	04/30/04
48	68535--H19AP	04121175	04/30/04
49	68536--H21AP	04121176	04/30/04

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - HM7A)

Top chord 2x6 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W4, W12 2x4 SP #2 Dense:

End verticals not exposed to wind pressure.

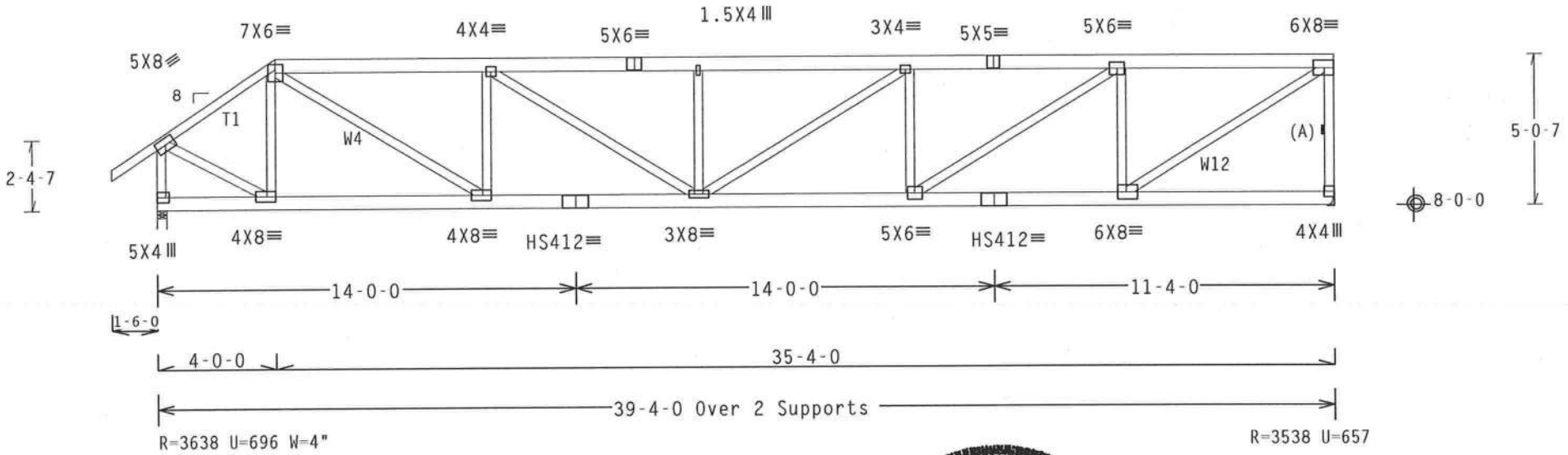
(A) Continuous lateral bracing equally spaced on member.

Girder supports 7-0-0 span to TC/BC split one face and 2-0-0 span to TC/BC split opposite face.

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

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

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



PLT TYP. 20 Gauge HS,Wave TPI Design Crit: TPI-1995(STD)/FBC 19.3 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68487
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121128
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83642
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H1306A)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W11 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 40.83
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 39.33
BC - From 4 PLF at 39.33 to 4 PLF at 40.83
BC - 510 LB Conc. Load at 10.06
BC - 545 LB Conc. Load at 12.06, 14.06, 16.06, 18.06, 20.06
22.06, 22.27, 24.27
BC - 491 LB Conc. Load at 26.27
BC - 521 LB Conc. Load at 28.27, 30.27
BC - 1471 LB Conc. Load at 32.27

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

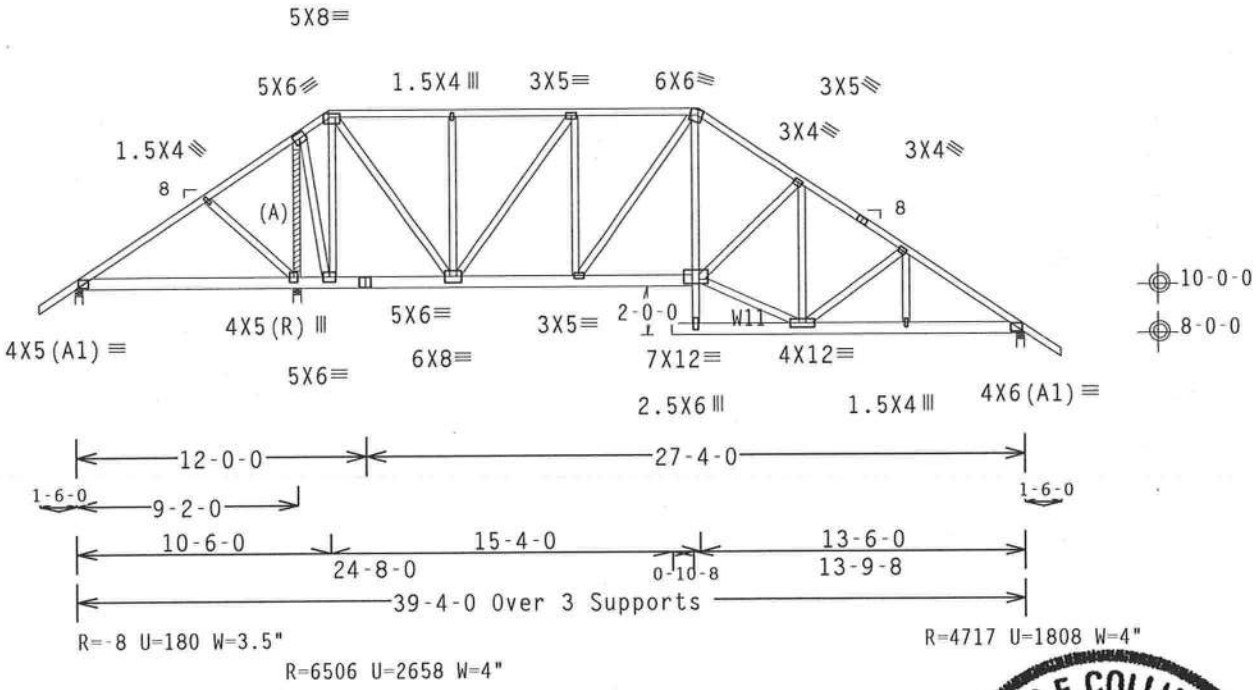
2 COMPLETE TRUSSES REQUIRED

NAILING SCHEDULE: (10d_common_nails)
TOP CHORD: 1 ROW @ 12" o.c.
BOT CHORD: 1 ROW @ 8" o.c.
WEBS : 1 ROW @ 4" o.c.
USE EQUAL SPACING BETWEEN ROWS AND STAGGER NAILS
IN EACH ROW TO AVOID SPLITTING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, 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.

(A) scab brace. 80% length of web member. Same size, species & grade or better. Attach with 10d nails @ 6" OC.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.3 | QTY: 1 | FL/-/4/-/-/R/- | Scale =.125"/Ft.

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

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68488
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121129
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83620
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - HM9A)

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

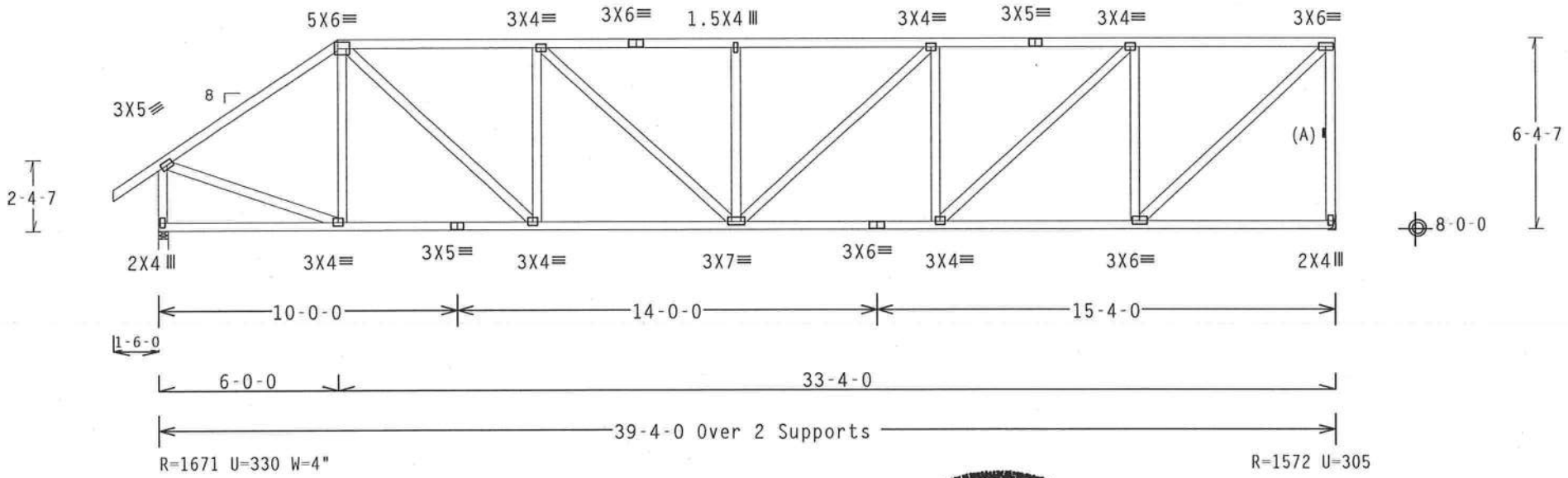
End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.3 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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JAMES F. COLLINS CERTIFICATE NO. No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68489
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121130
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83645
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - HM11A)

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

End verticals not exposed to wind pressure.

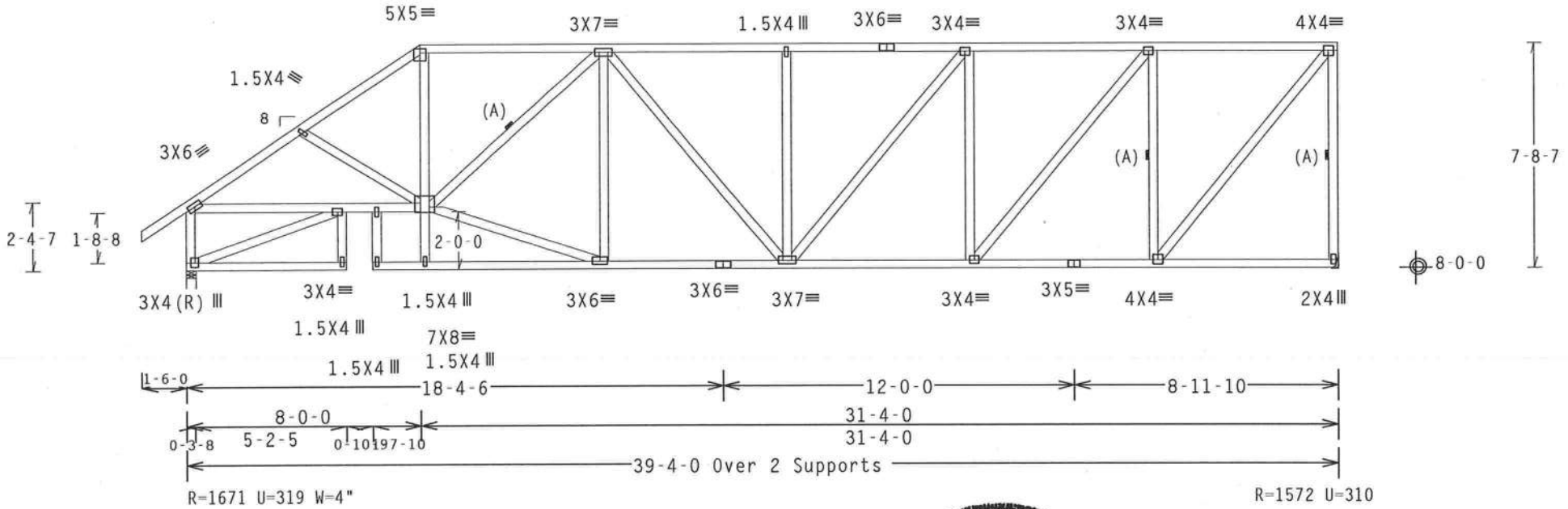
(A) Continuous lateral bracing equally spaced on member.

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

110 mph wind, 12.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.5[illegible]1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68490
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121131
BC LL	0.0 PSF		HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83648
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H13A)

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

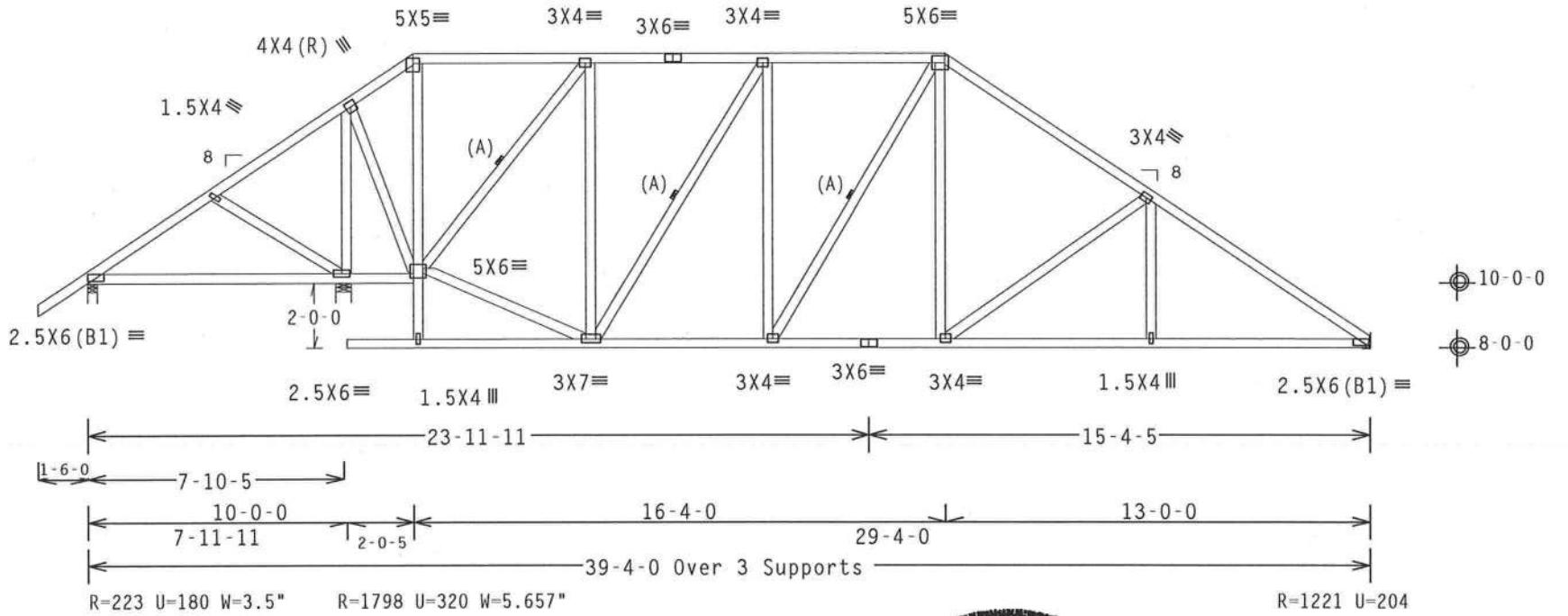
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

110 mph wind, 12.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.83 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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JAMES F. COLLINS CERTIFICATE NO. No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

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

REF	R487-- 68491
DATE	04/30/04
DRW	HCUSR487 04121132
	HC-ENG GDL/AF
SEQN-	83651
JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H15A)

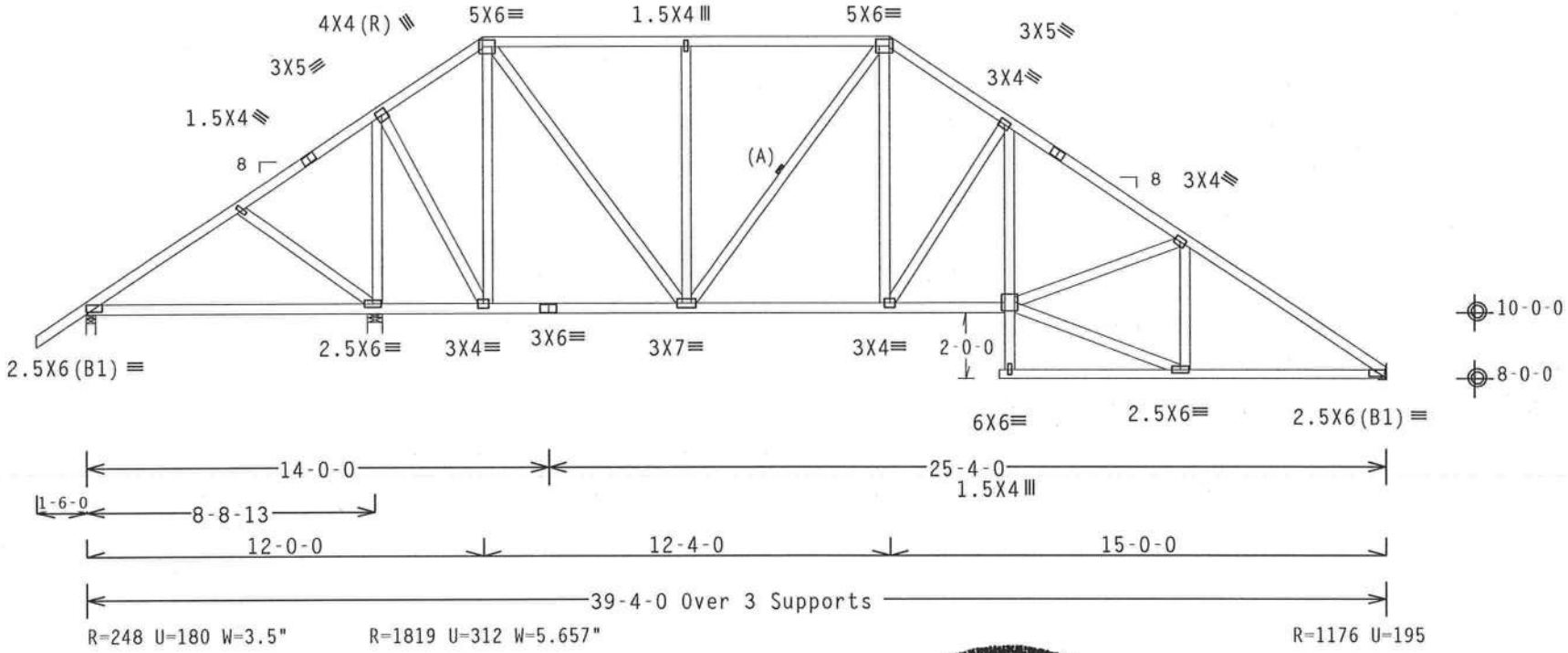
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 13.37 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) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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

JAMES F. COLLINS JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68492
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121133
BC LL	0.0 PSF		HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83654
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

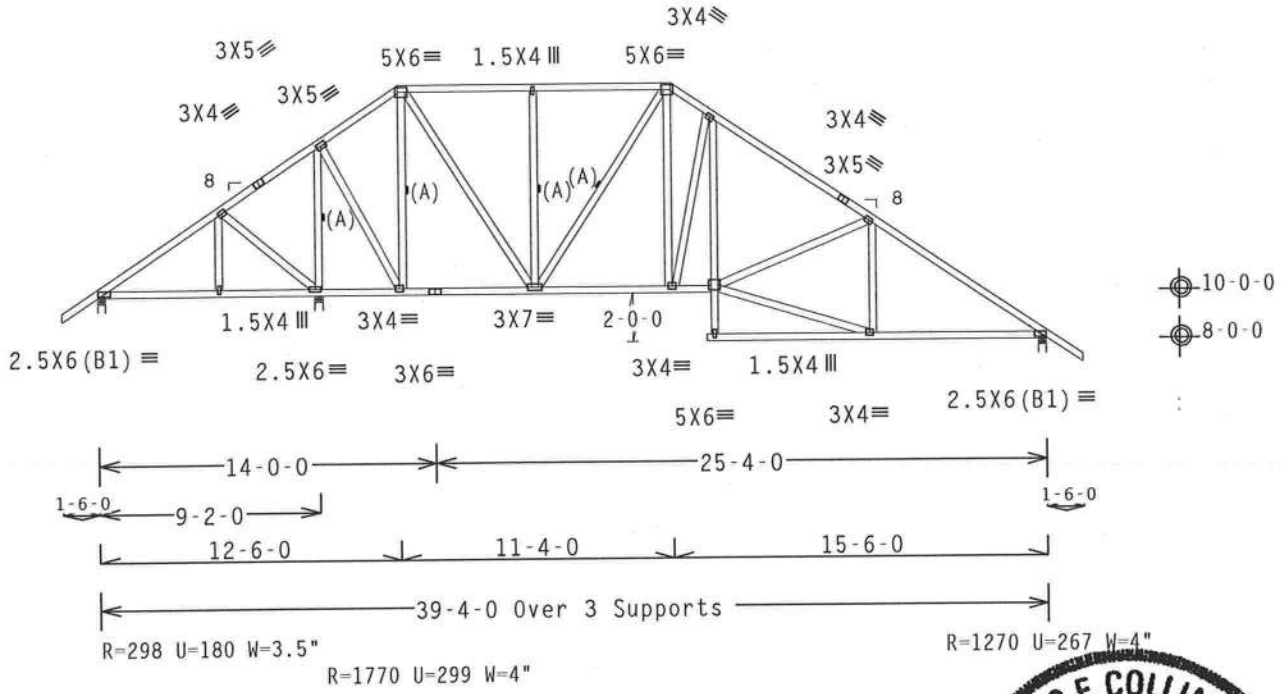
(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H1506A)

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

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 13.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 19

FL/-/4/-/-/R/- Scale =.125"/Ft.

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JAMES F. COLLINS, P.E. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68493
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121134
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83628
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H17A)

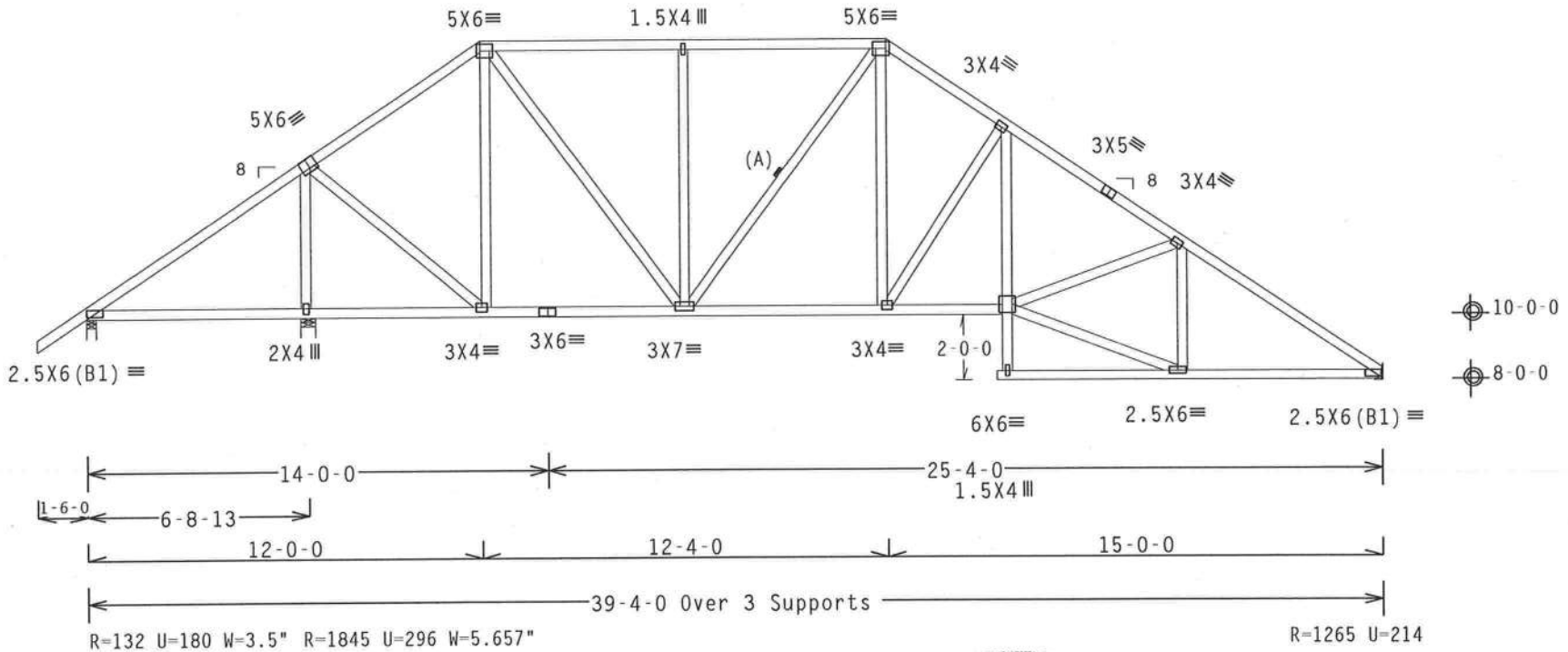
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 13.37 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) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.6 | DTV | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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JAMES F. COLLINS CERTIFICATE No. 0052218 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68494
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121135
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83489
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H19A)

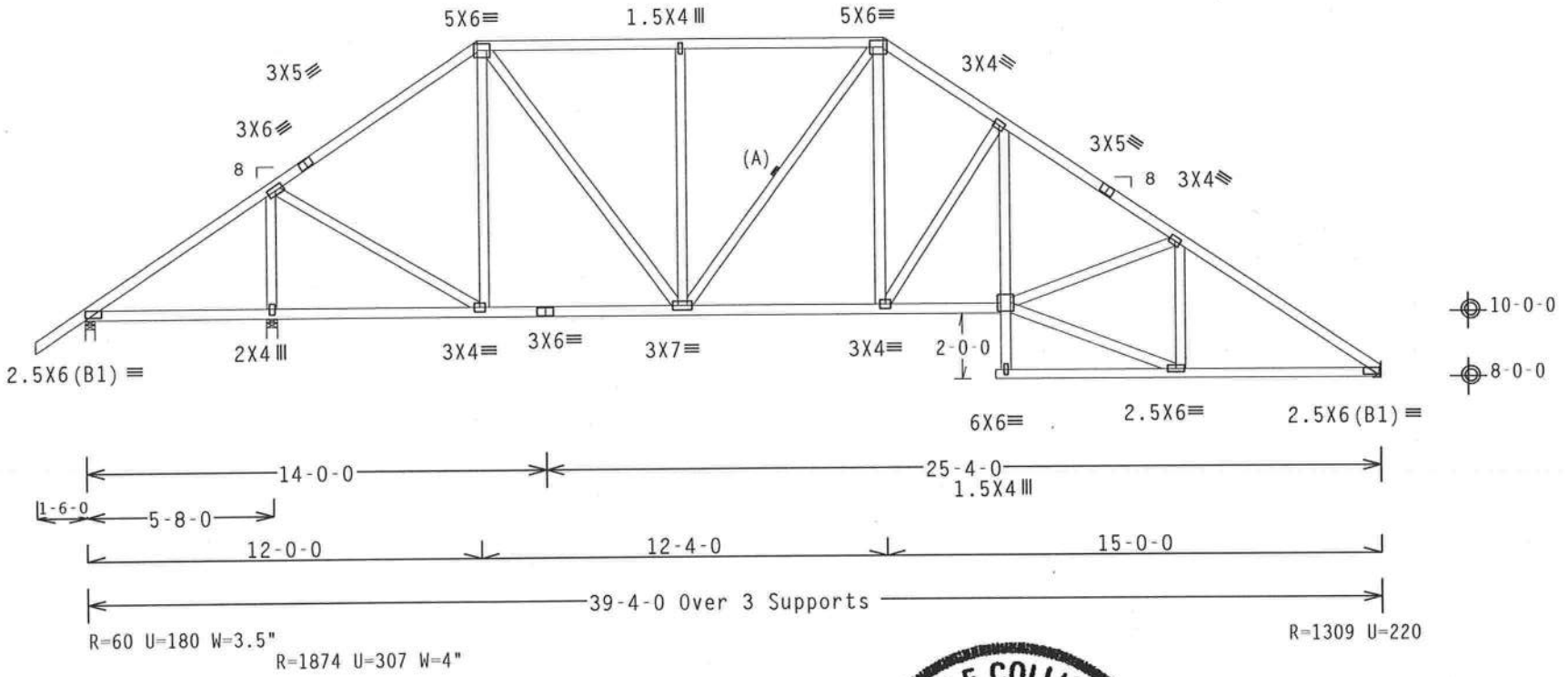
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 13.37 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) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.3 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE

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JAMES F. COLLINS JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68495
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121136
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83498
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - A2)

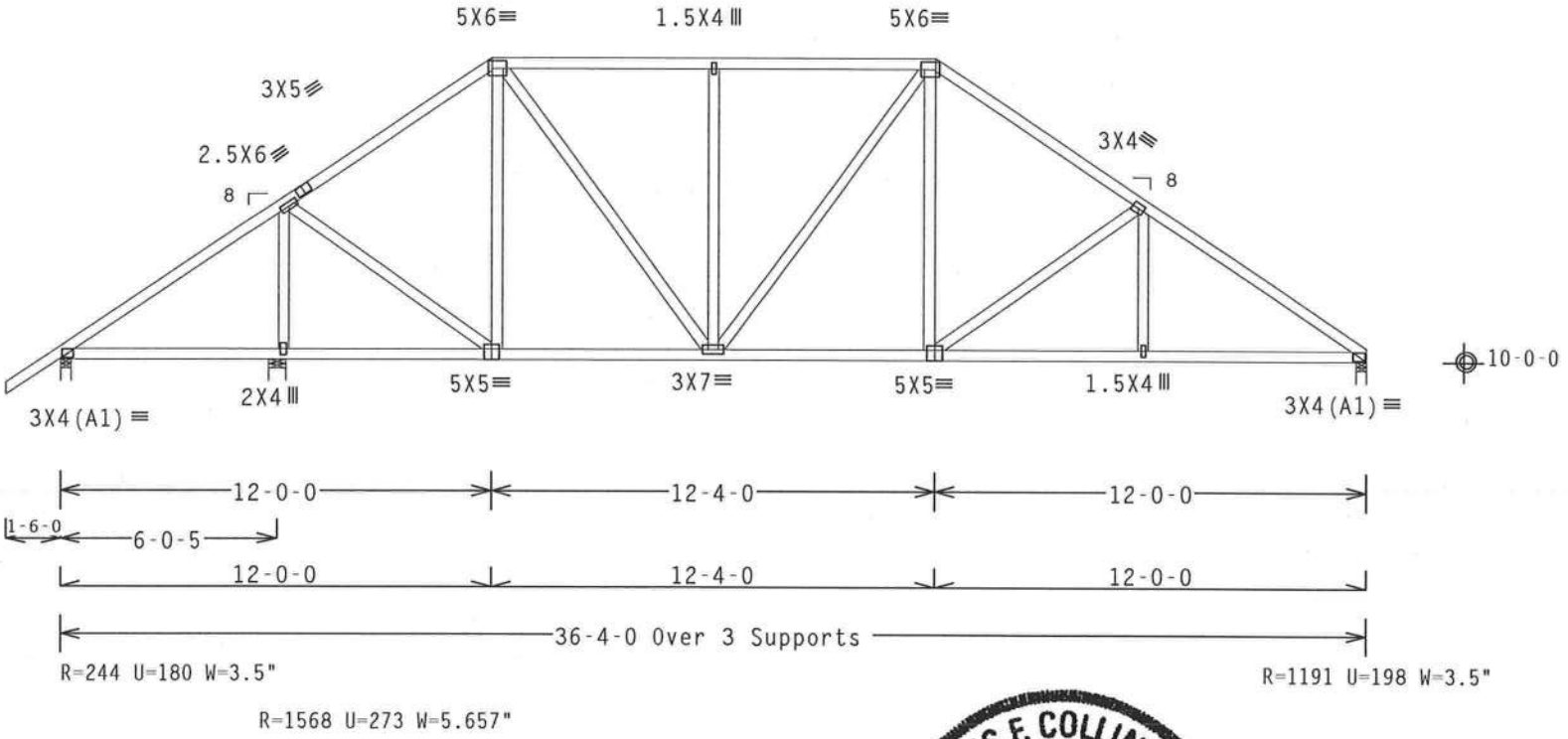
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

NOTE: TRUSS NOT DESIGNED TO BE INSTALLED IN REVERSE ORIENTATION. TRUSS MUST BE INSTALLED AS SHOWN.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19[illegible]

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

Scale =.1875"/Ft.

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JAMES F. COLLINS
CERTIFICATE
No. 0052212
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68496
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121137
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83627
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - A1)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

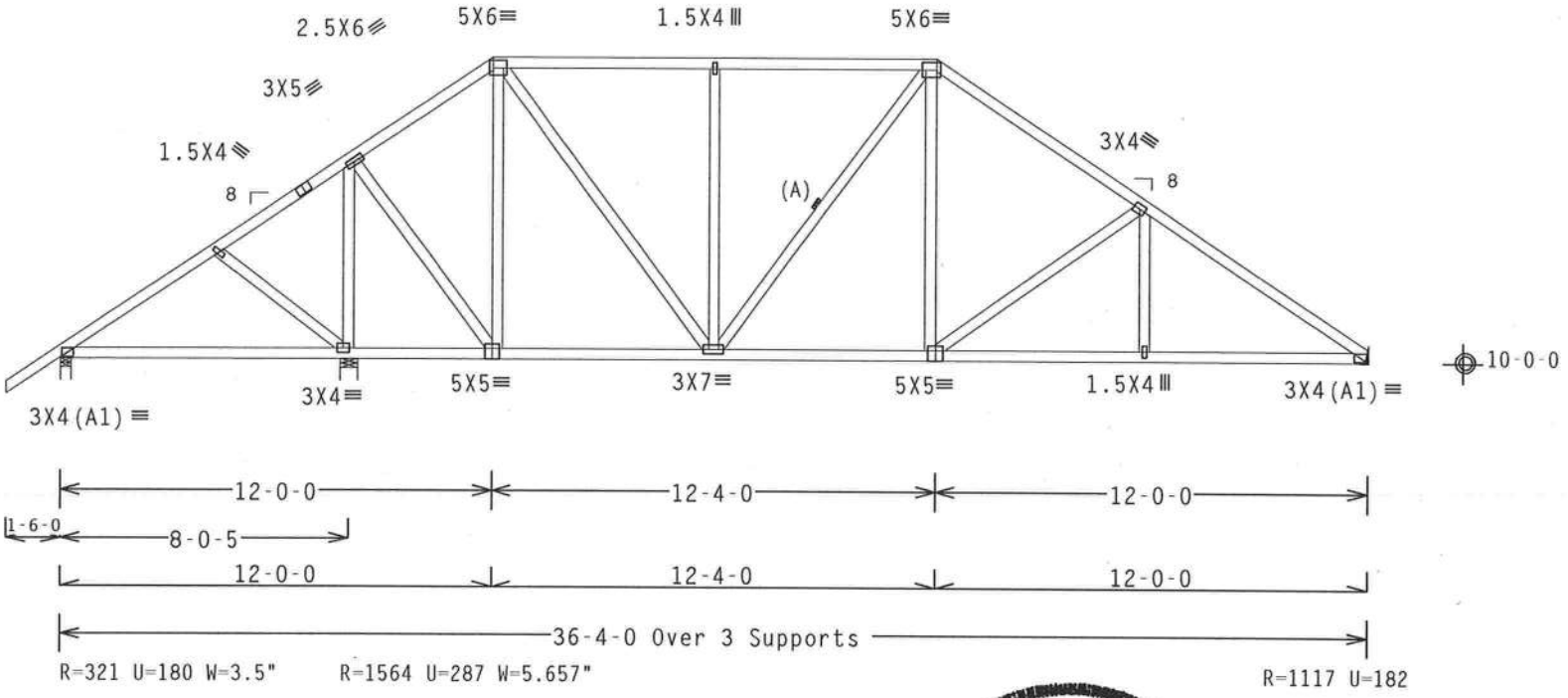
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19.3

JAMES F. COLLINS, JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

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

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

Scale =.1875"/Ft.

REF	R487-- 68497
DATE	04/30/04
DRW	HCUSR487 04121138
	HC-ENG GDL/AF
SEQN-	83630
JREF-	1SCI487_Z07

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(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - A)

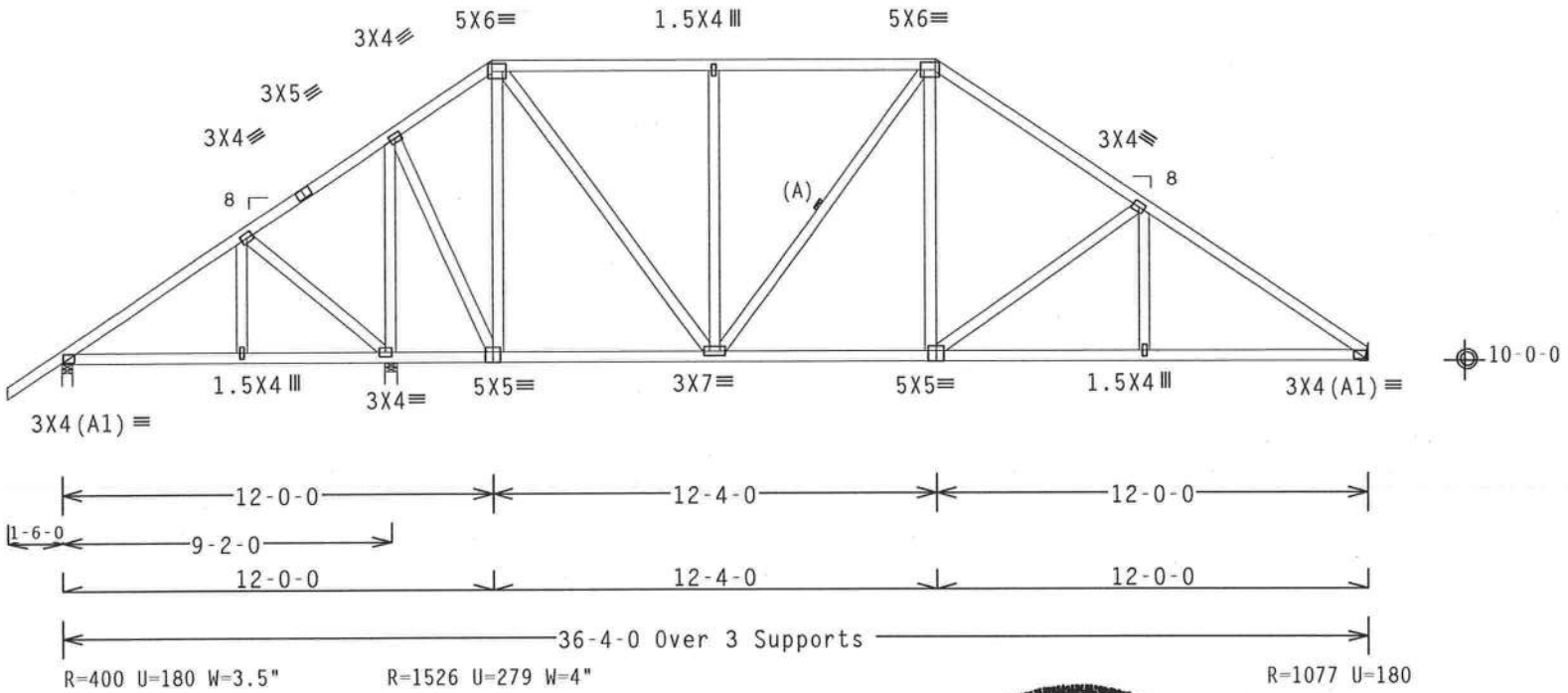
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.[illegible] | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE

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JAMES F. COLLINS CERTIFICATE No 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68498
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121139
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83633
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - AS)

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

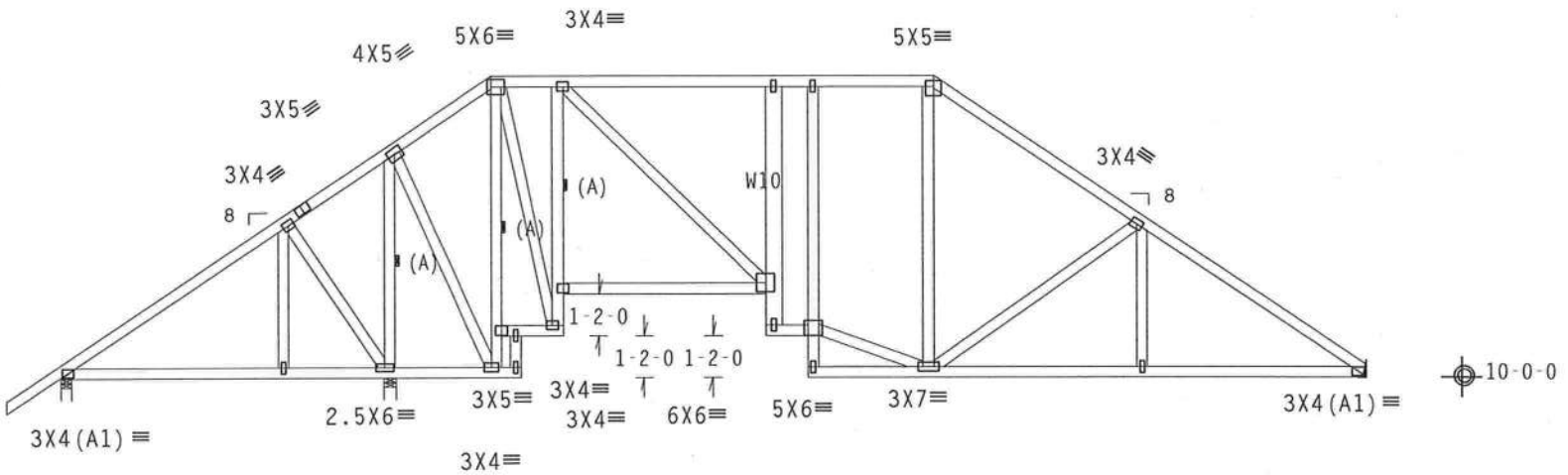
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

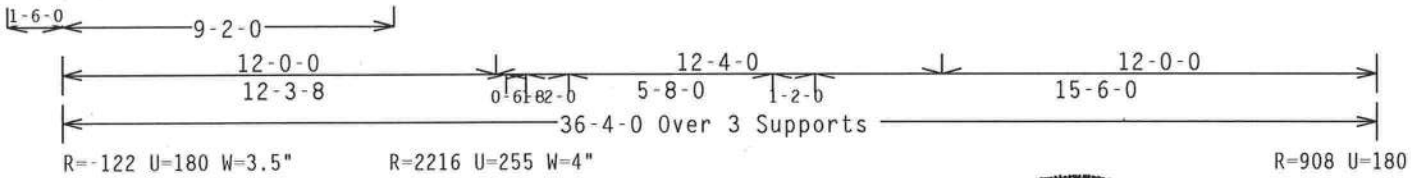
See DWGS TCFILLER1103 and BCFILLER1103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

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

(A) Continuous lateral bracing equally spaced on member.

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





Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 19.3 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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FL Certificate of Authorization # 567

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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 TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, CERTIFICATE NO. 0052212, STATE OF FLORIDA, PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68499
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121140
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83636
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - AST)

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

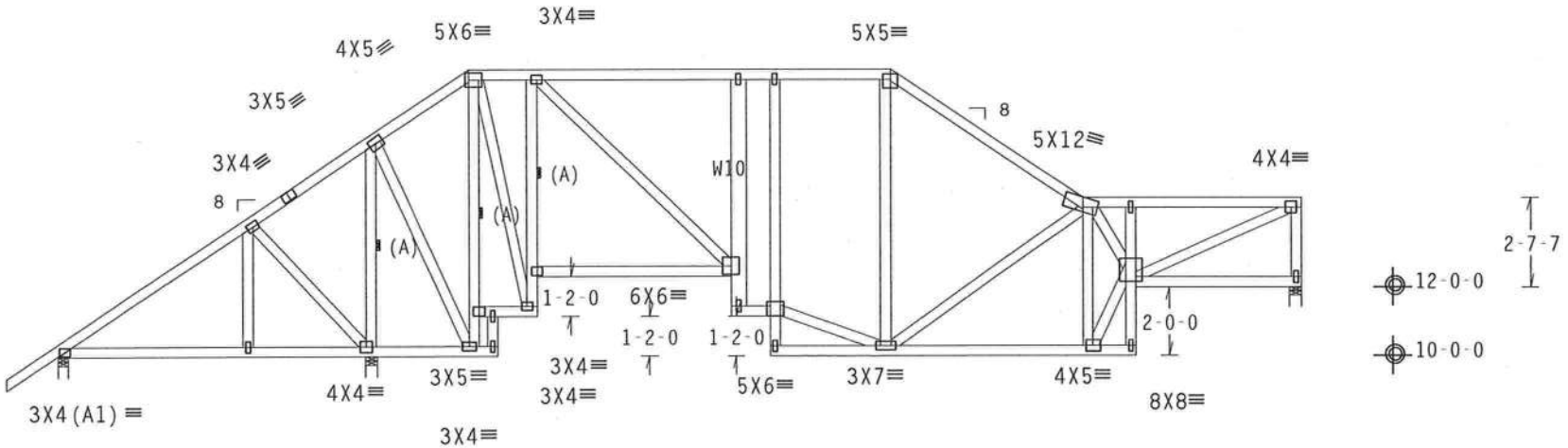
(A) Continuous lateral bracing equally spaced on member.

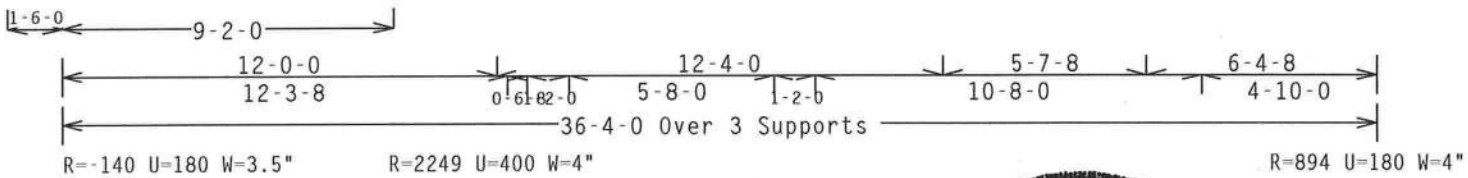
See DWGS TCFILLER1103 and BCFILLER1103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

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

Right end vertical not exposed to wind pressure.

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





Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.3 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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

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JAMES F. COLLINS, JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68500
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121141
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83639
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487 Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H1706AT)

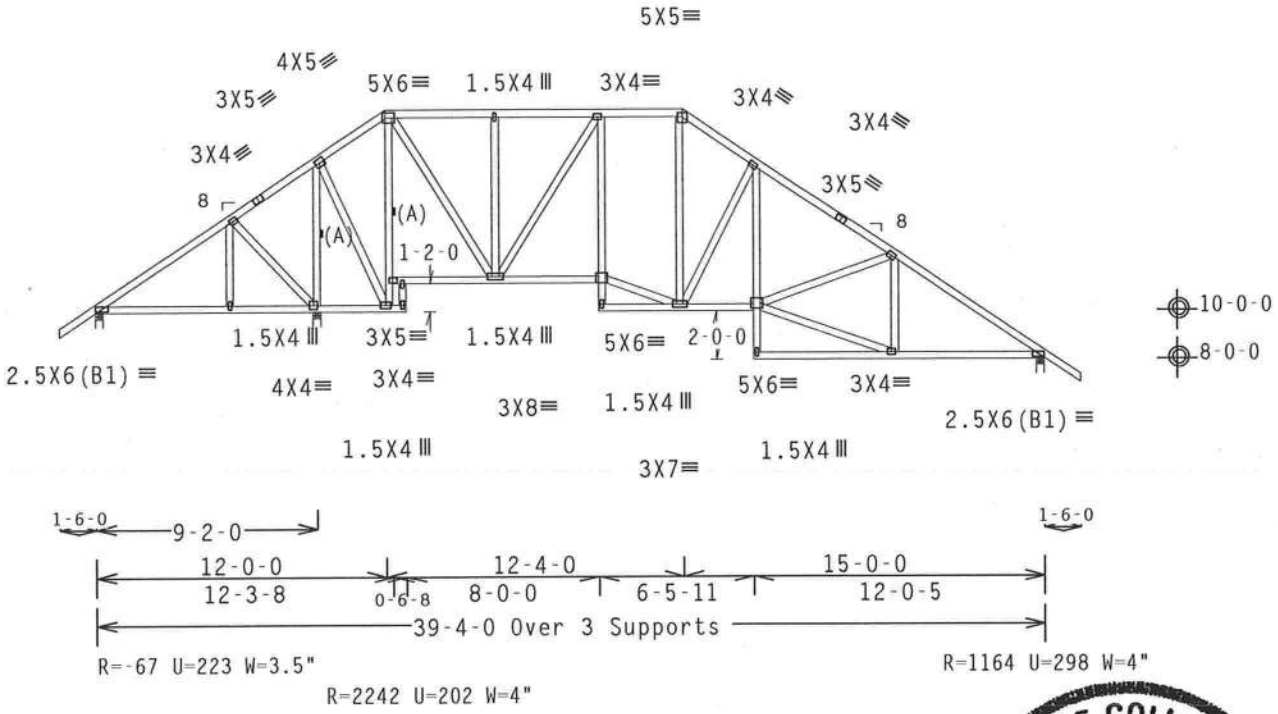
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

110 mph wind, 12.87 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.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.[illegible] | QTY 1 | FL/-/4/-/-/R/- | Scale =.125"/Ft.

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

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JAMES F. COLLINS CERTIFICATE No 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68501
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121142
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83624
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H1906AT)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W8 2x4 SP #2 Dense:
:W10 2x6 SP #1 Dense:

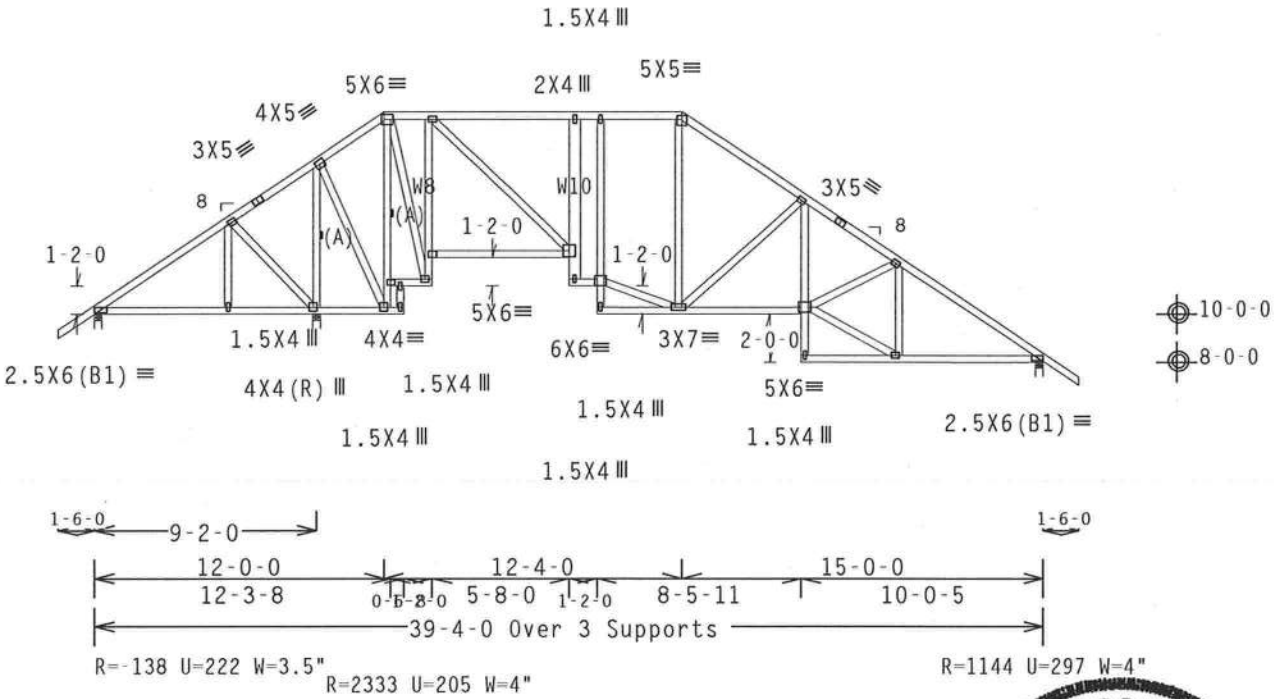
(A) Continuous lateral bracing equally spaced on member.

See DWGS TCFILLER1103 and BCFILLER1103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

110 mph wind, 12.87 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.

Calculated horizontal deflection is 0.14" due to live load and 0.13" due to dead load.

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



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19 | FL/-/4/-/-/R/- | Scale =.125"/Ft.

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

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68502
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121143
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83657
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - AT)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W8 2x4 SP #2 Dense:
:W10 2x6 SP #1 Dense:

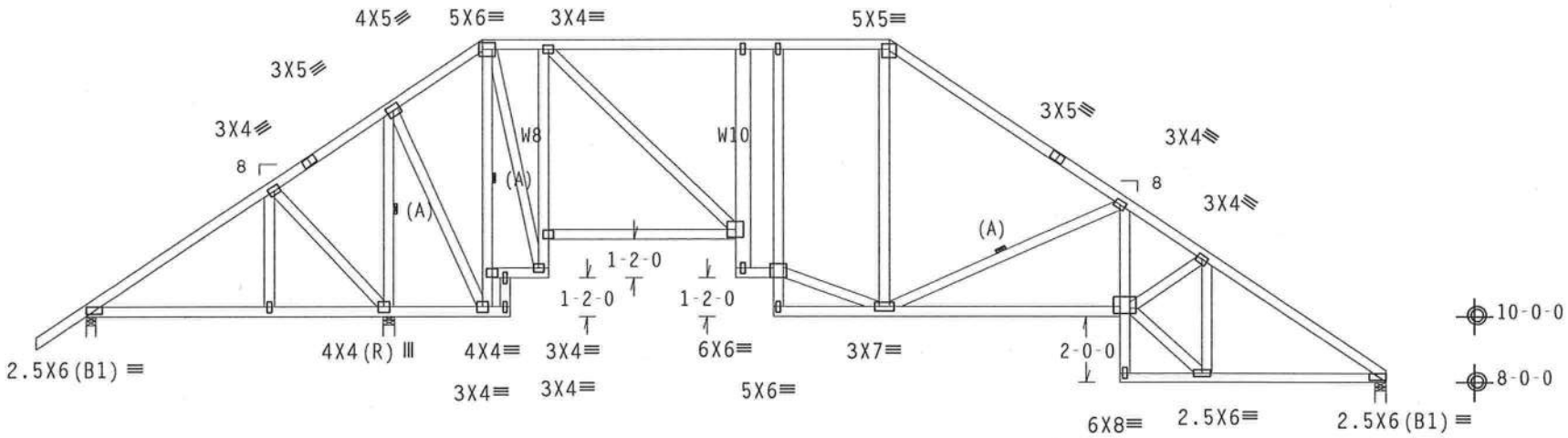
(A) Continuous lateral bracing equally spaced on member.

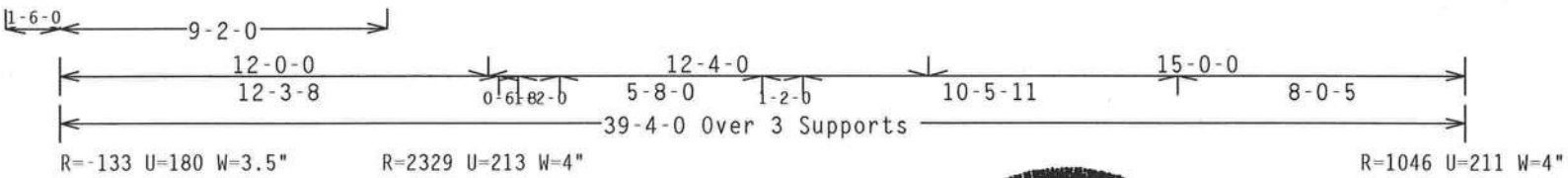
See DWGS TCFILLER1103 and BCFILLER1103 for filler details.
LATERALLY BRACE BC ABOVE FILLER @ 24" OC

110 mph wind, 13.37 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.

Calculated horizontal deflection is 0.15" due to live load and 0.15" due to dead load.

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





Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 19.3

FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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JAMES F. COLLINS, JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

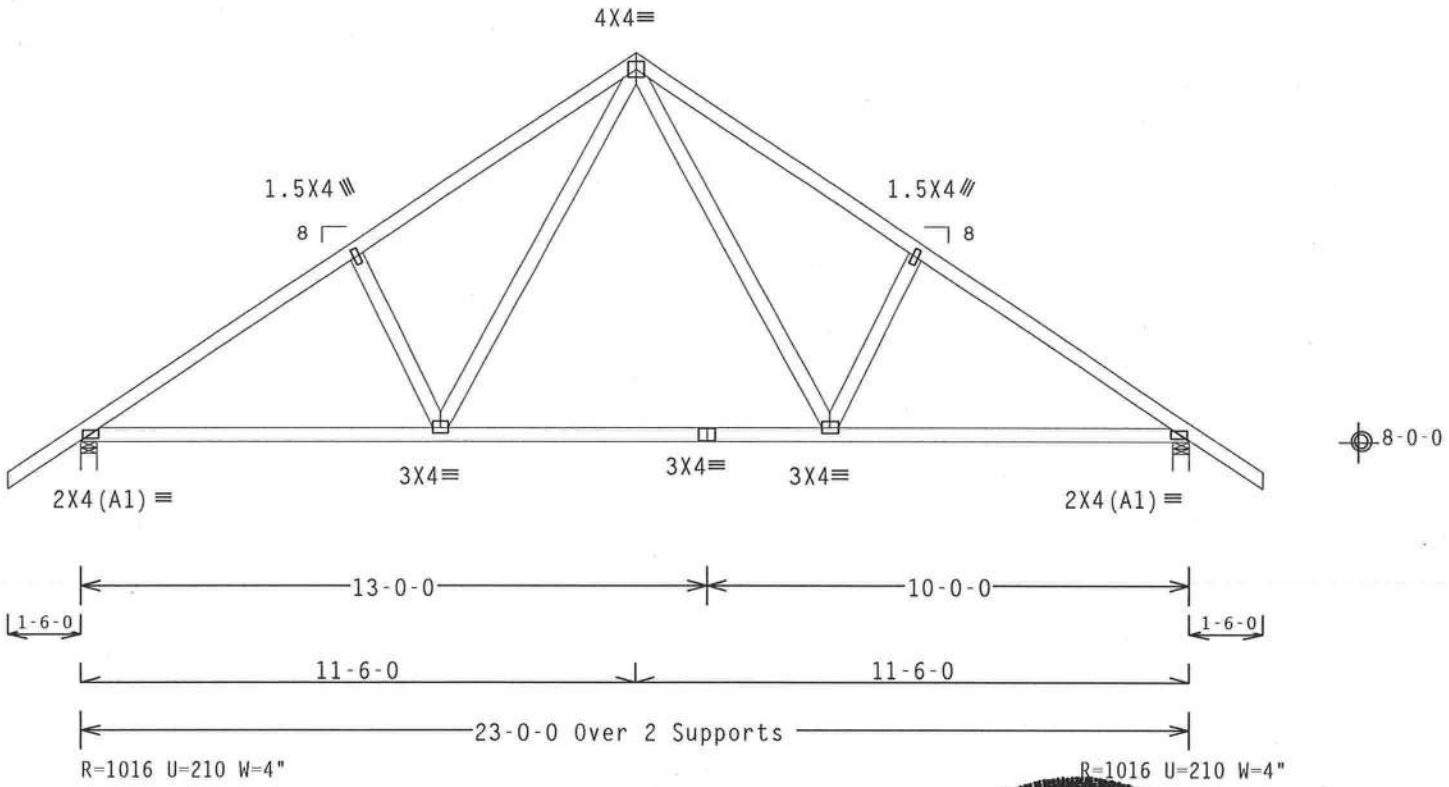
TC LL	20.0 PSF	REF R487-- 68503
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121144
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83621
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - B)

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

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

110 mph wind, 11.70 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC 19 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE

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

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JAMES F. COLLINS JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68504
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121145
BC LL	0.0 PSF		HC-ENG GDL/AF *
TOT.LD.	40.0 PSF	SEQN-	83479
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

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

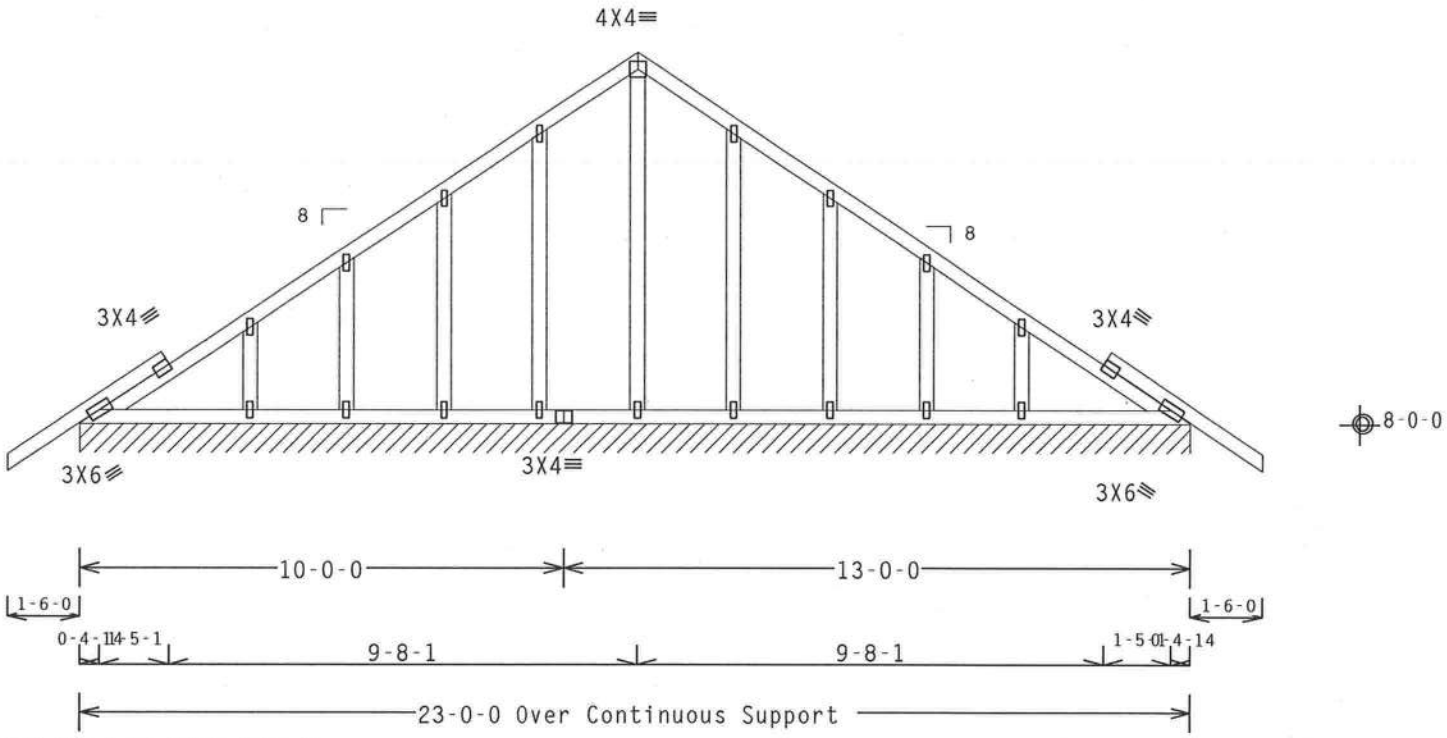
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	82 PLF	at -1.50	to	82 PLF	at 24.50
BC - From	4 PLF	at -1.50	to	4 PLF	at 0.00
BC - From	20 PLF	at 0.00	to	20 PLF	at 23.00
BC - From	4 PLF	at 23.00	to	4 PLF	at 24.50

110 mph wind, 11.53 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.

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



R=113 PLF U=26 PLF W=23-0-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 19.6[illegible] FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
Alpine Engineered Products, Inc.
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JAMES F. COLLINS CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68505
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121146
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83486
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H7C)

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

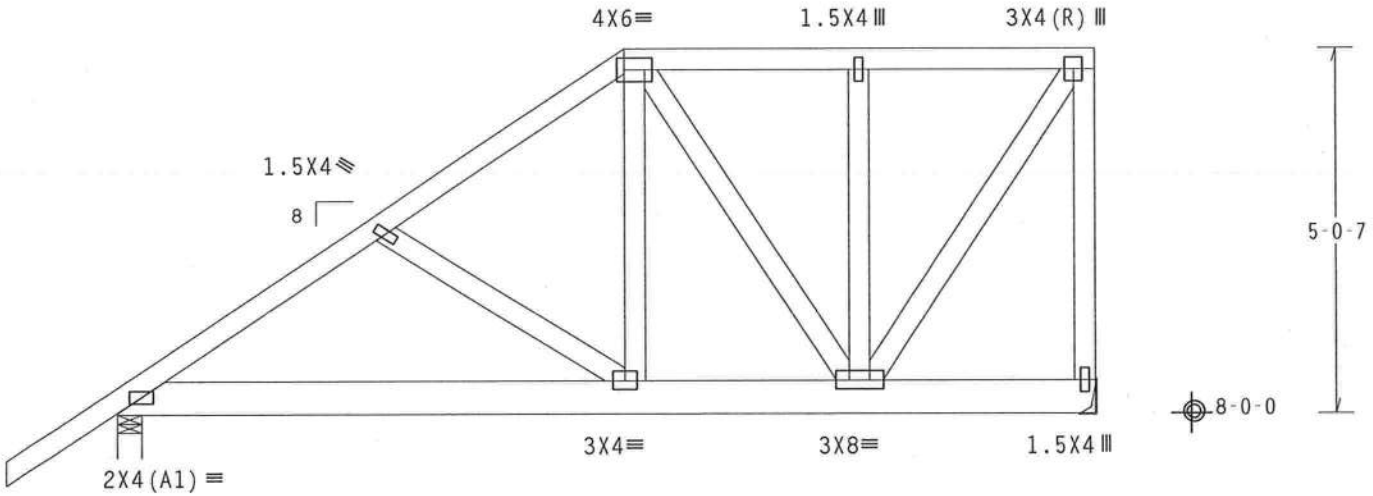
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

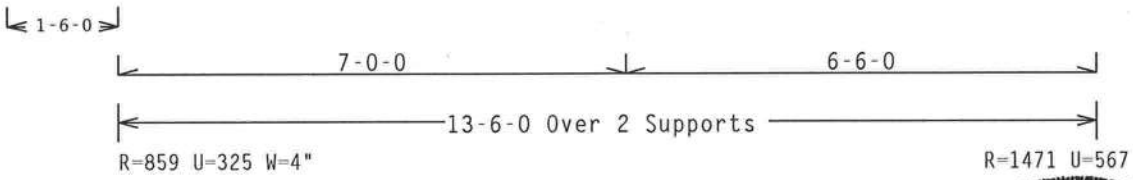
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 13.50
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.50
TC - 179 LB Conc. Load at 12.73
BC - 901 LB Conc. Load at 10.73
BC - 74 LB Conc. Load at 12.73

Right end vertical not exposed to wind pressure.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.[illegible] | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68507
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121148
BC LL	0.0 PSF		HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83515
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H9C)

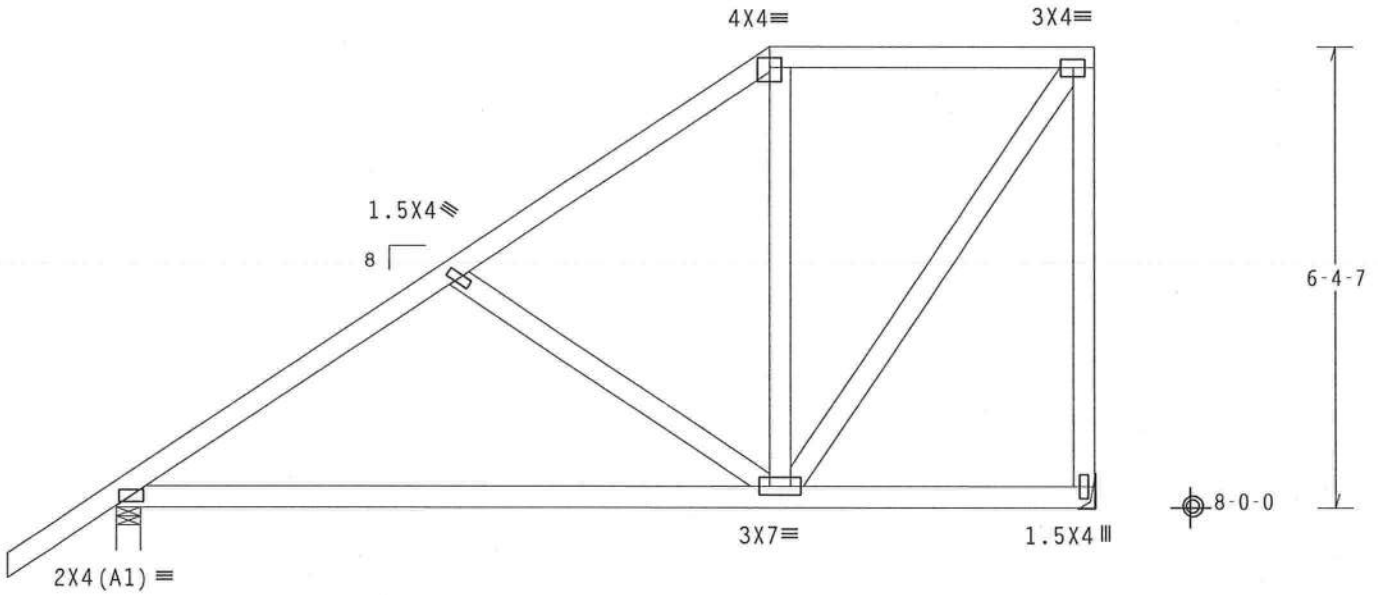
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 10.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.0 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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JAMES F. COLLINS, JR. CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68508
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121149
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83522
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H11C)

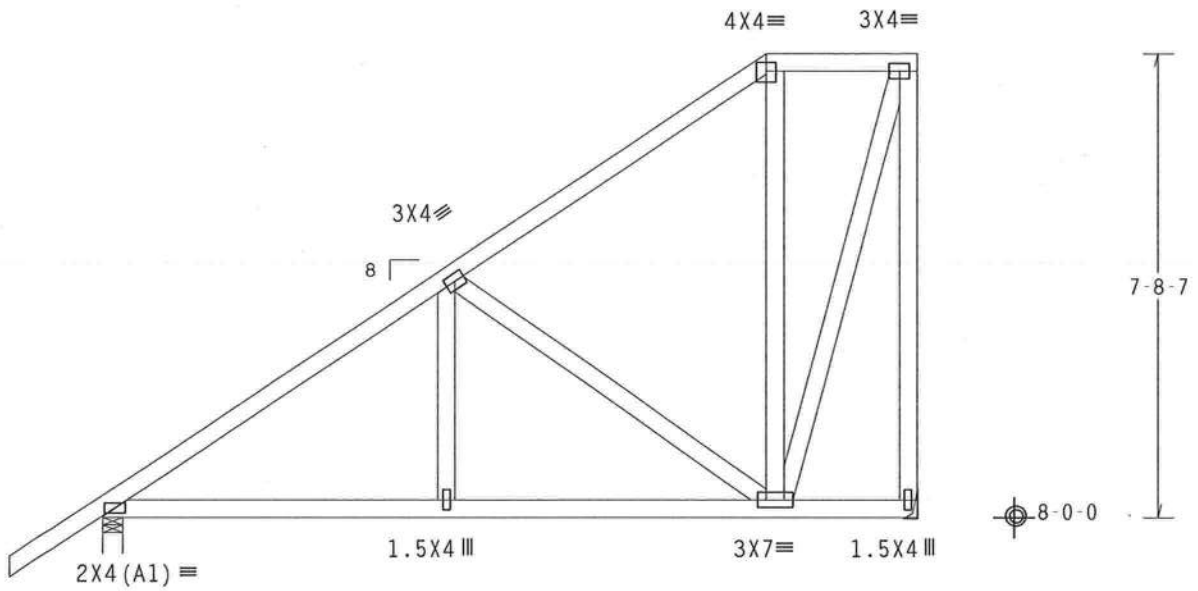
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19 | Qty:1 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68509
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121150
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83525
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H13C)

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

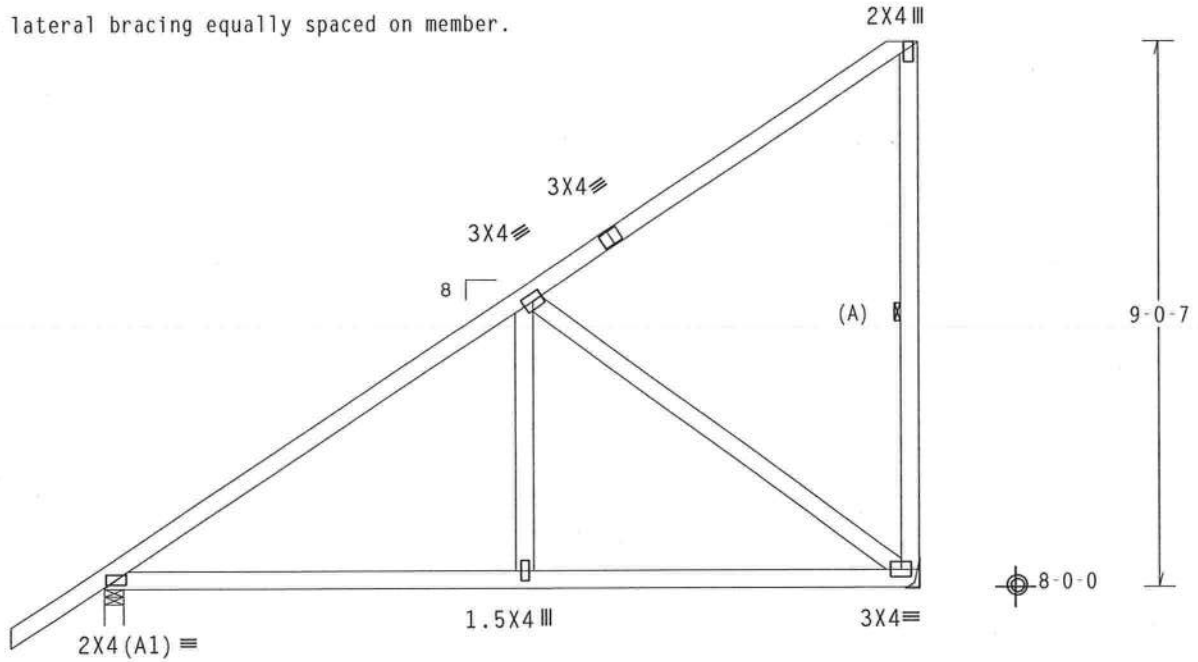
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 12.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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



1-6-0

13-6-0 Over 2 Supports

R=655 U=180 W=4"

R=491 U=249

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC 19 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

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JAMES F. COLLINS CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68510
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121151
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83531
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - C)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

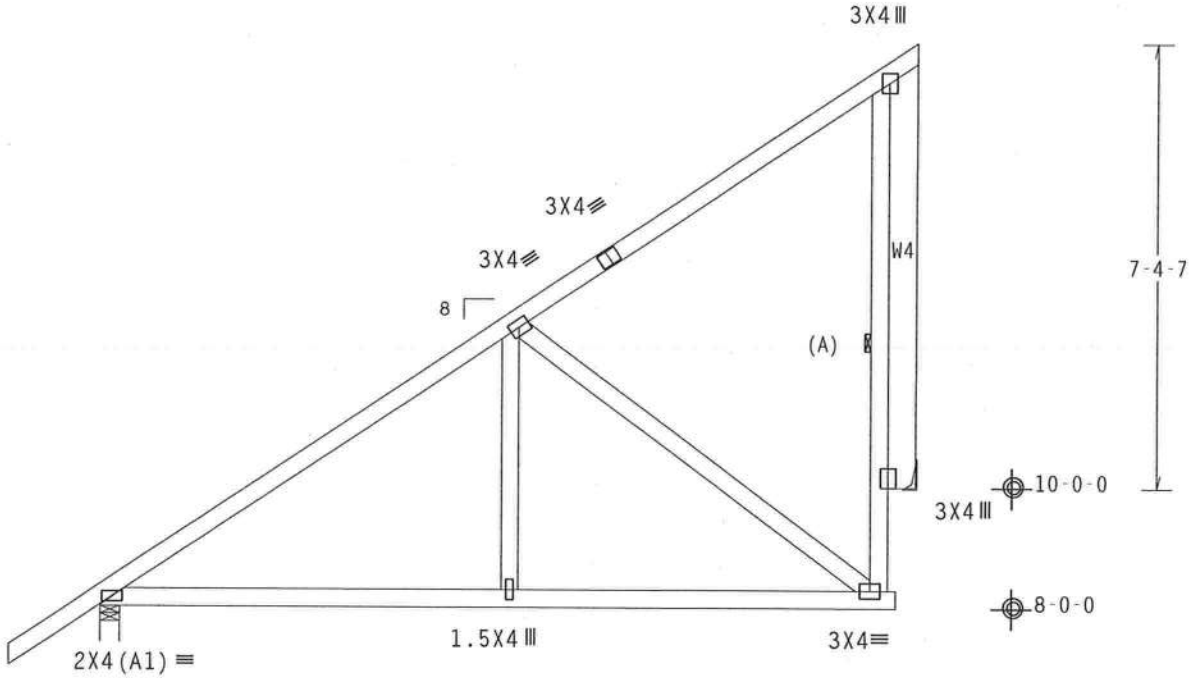
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4 2x6 SP #2:

(A) Continuous lateral bracing equally spaced on member.

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.

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC 19[illegible] | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

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Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68511
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121152
BC LL	0.0 PSF		HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83538
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - CVGE)

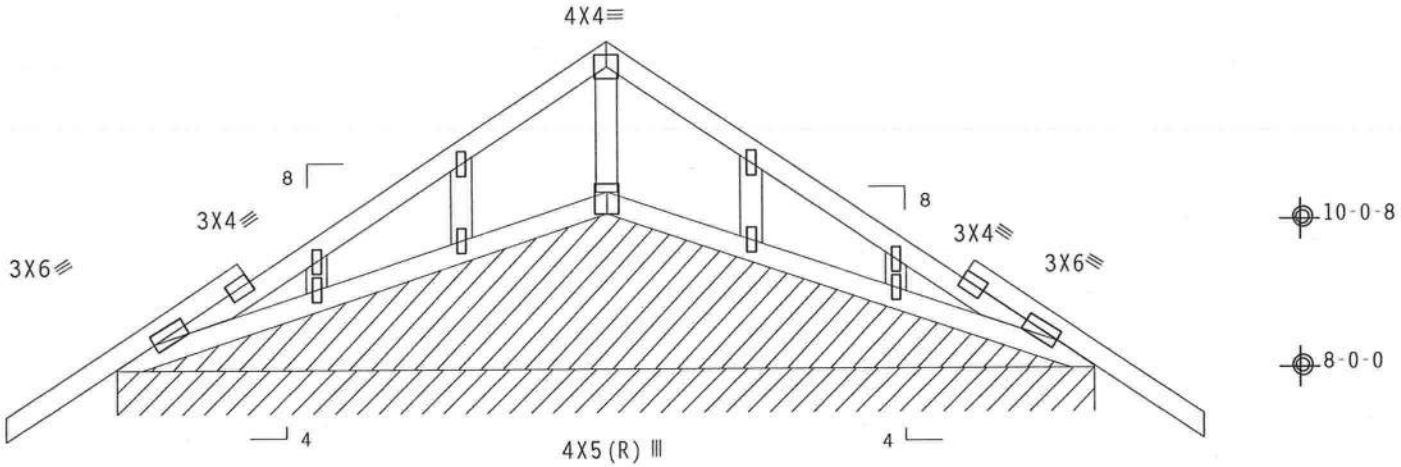
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

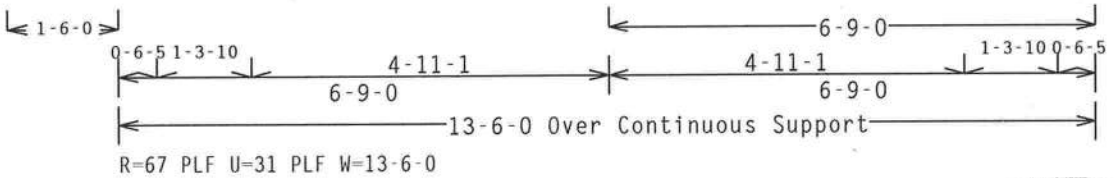
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -1.50 to 82 PLF at 15.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.50

110 mph wind, 9.95 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.

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





R=67 PLF U=31 PLF W=13-6-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 19 QTY 1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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Apr 30 '04

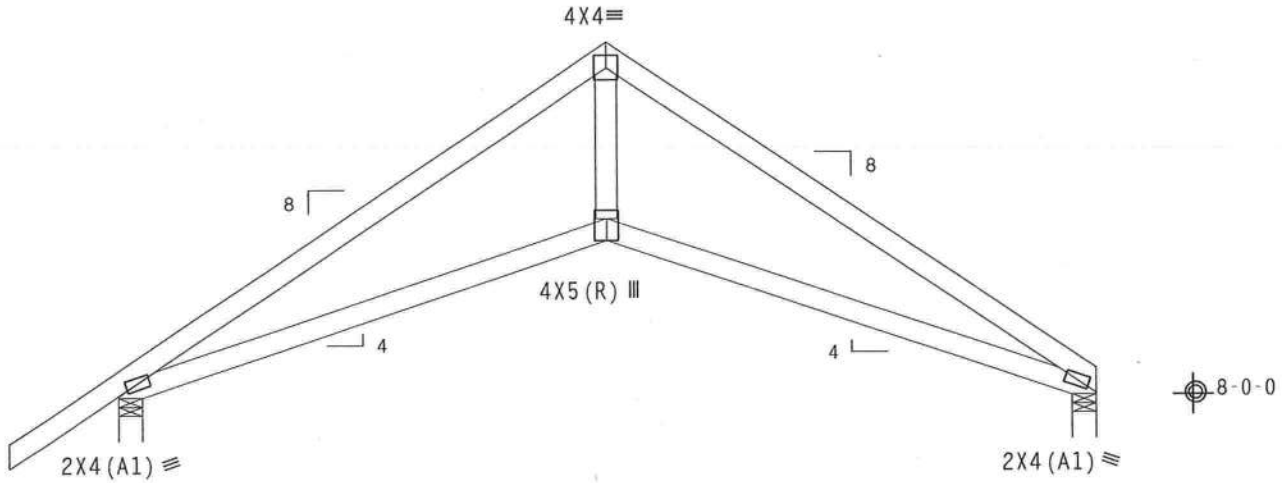
TC LL	20.0 PSF	REF	R487-- 68512
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121153
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83555
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

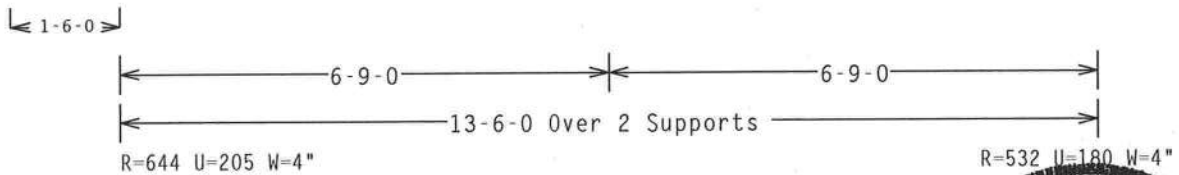
(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - CV)

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

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

110 mph wind, 10.12 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19. | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68513
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121154
BC LL	0.0 PSF	HC-ENG	GDL/AF *
TOT.LD.	40.0 PSF	SEQN-	83558
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - CV1)

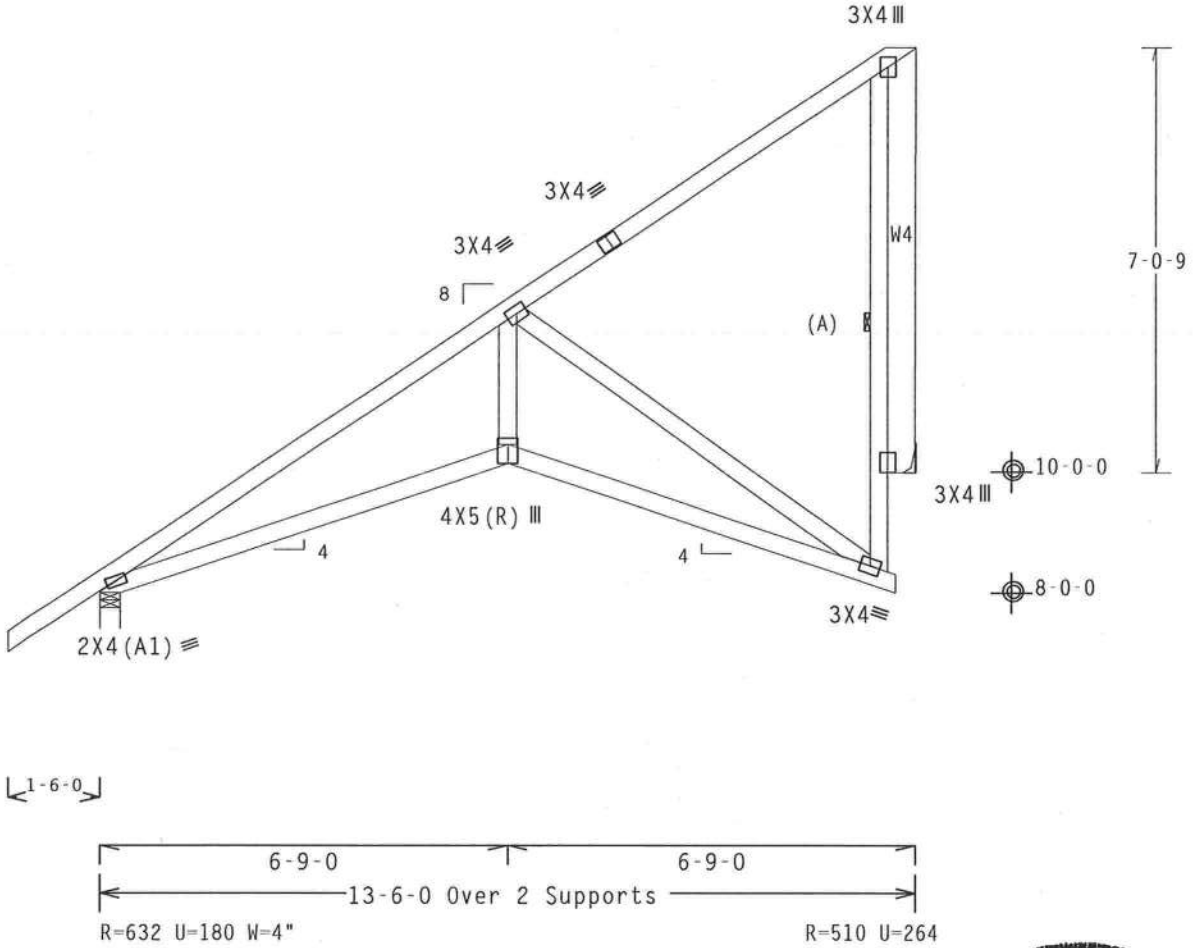
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4 2x6 SP #2:

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

110 mph wind, 12.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 19.3 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68514
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121155
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83566
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - CV2)

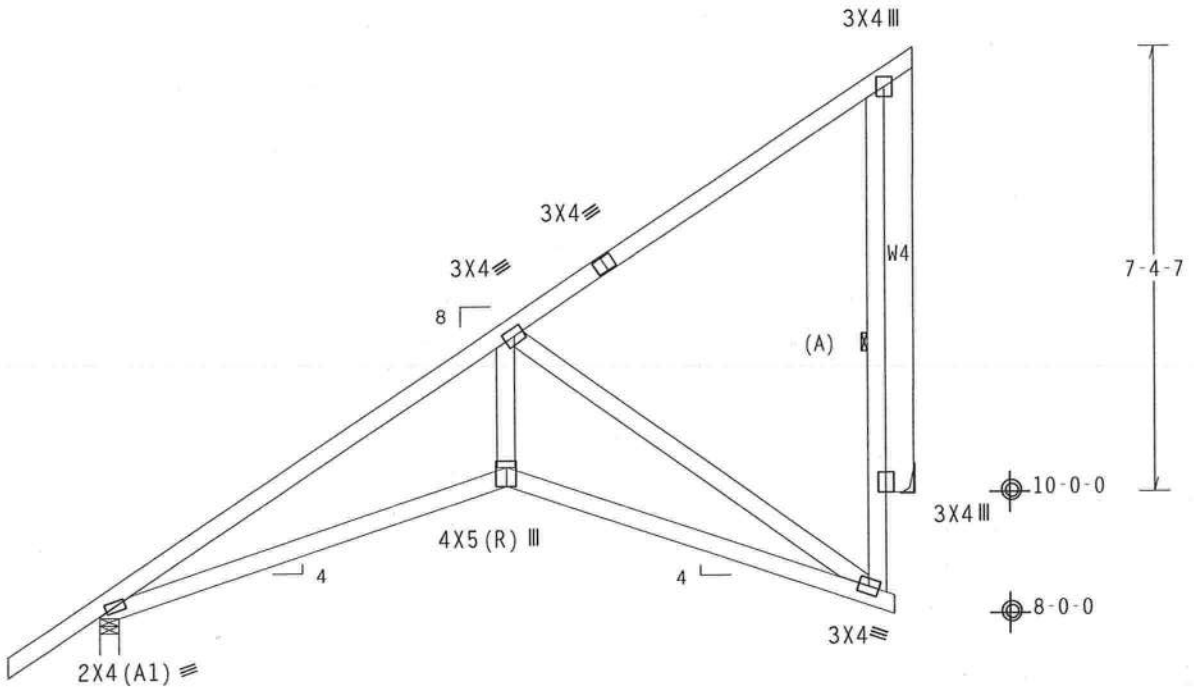
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4 2x6 SP #2:

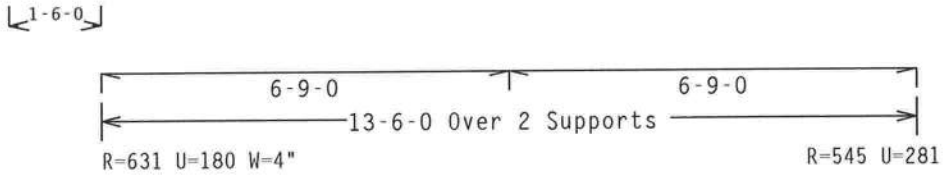
Right end vertical not exposed to wind pressure.

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) Continuous lateral bracing equally spaced on member.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC 19 | Ft/-/4/-/-/R/- | Scale =.3125"/Ft.

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68515
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121156
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83573
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H5D)

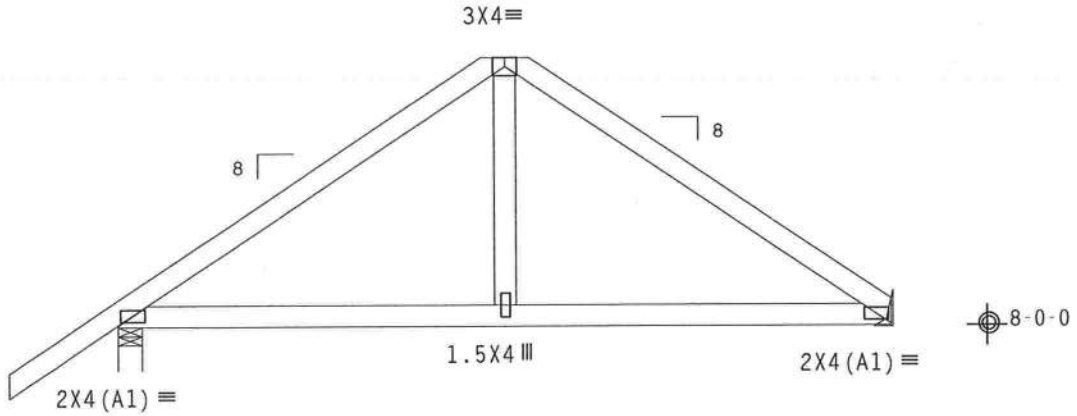
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

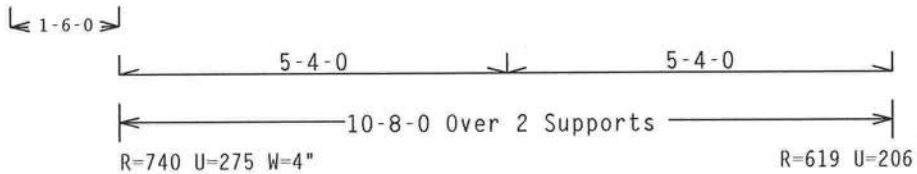
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

#1 hip supports 5-0-0 jacks with no webs.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC 19 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
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JAMES F. COLLINS, JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68516
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121157
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83493
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H7D)

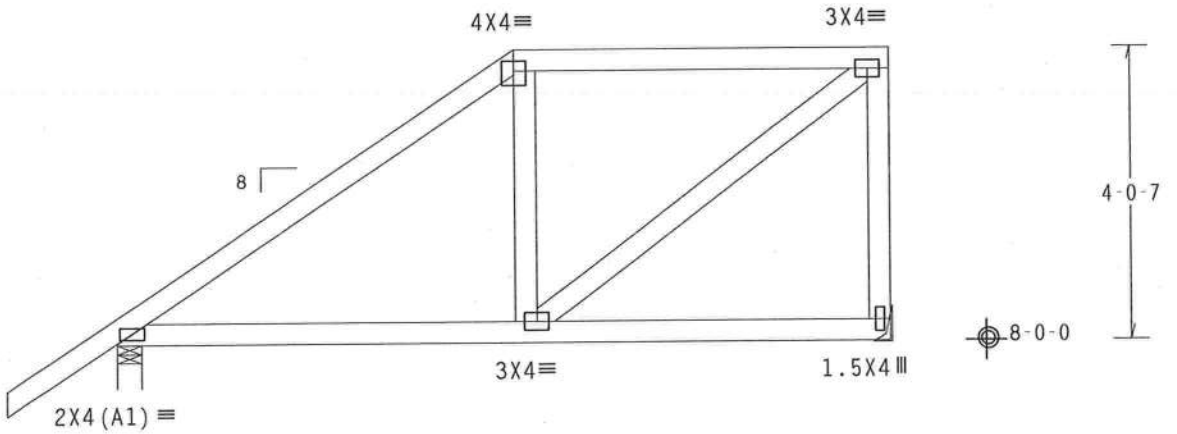
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

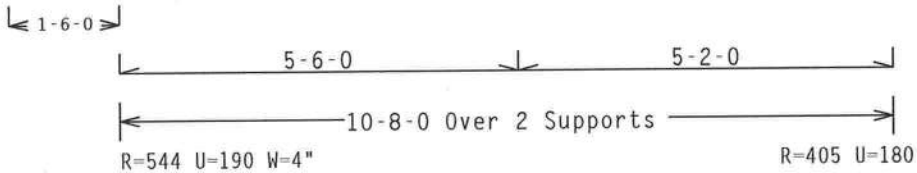
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

110 mph wind, 9.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC 19 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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JAMES F. COLLINS, P.E. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68517
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121158
BC LL	0.0 PSF	HC-ENG GDL/AF *
TOT.LD.	40.0 PSF	SEQN- 83496
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - EGE)

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

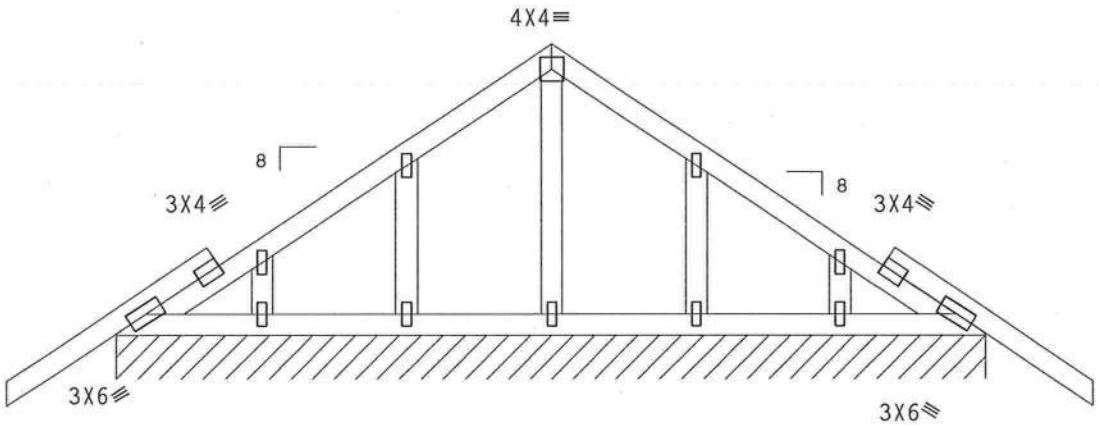
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	82 PLF	at	-1.50	to	82 PLF at 13.50
BC - From	4 PLF	at	-1.50	to	4 PLF at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF at 12.00
BC - From	4 PLF	at	12.00	to	4 PLF at 13.50

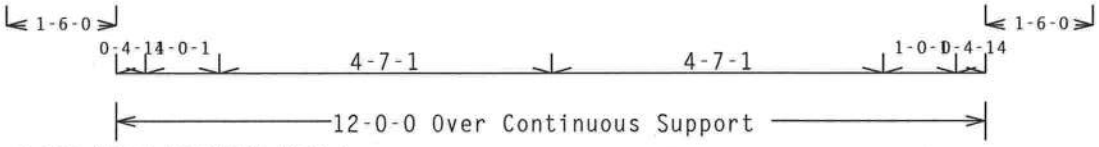
110 mph wind, 13.70 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.

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



12-0-0



R=123 PLF U=42 PLF W=12-0-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.[illegible] | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

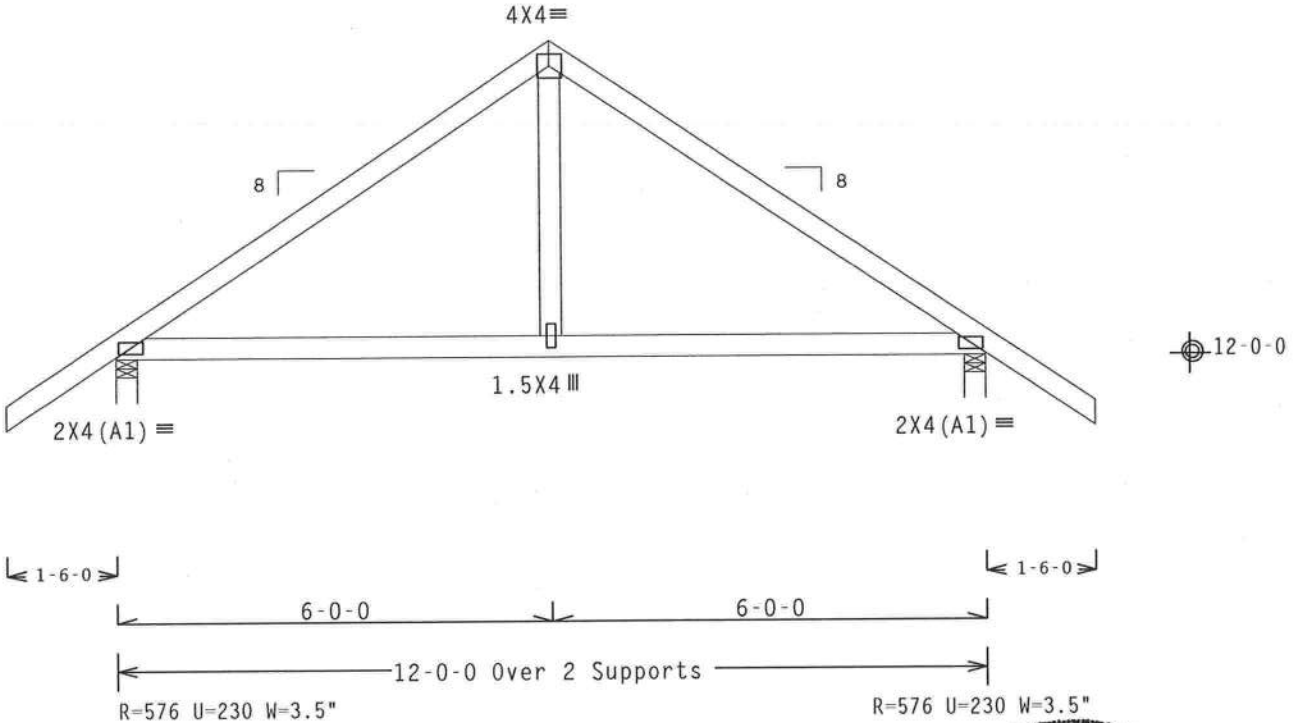
Apr 30 '04

TC LL	20.0 PSF	REF	R487-- 68518
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121159
BC LL	0.0 PSF		HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83456
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

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

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

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC 19[illegible]2 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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JAMES F. COLLINS CERTIFICATE OF No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

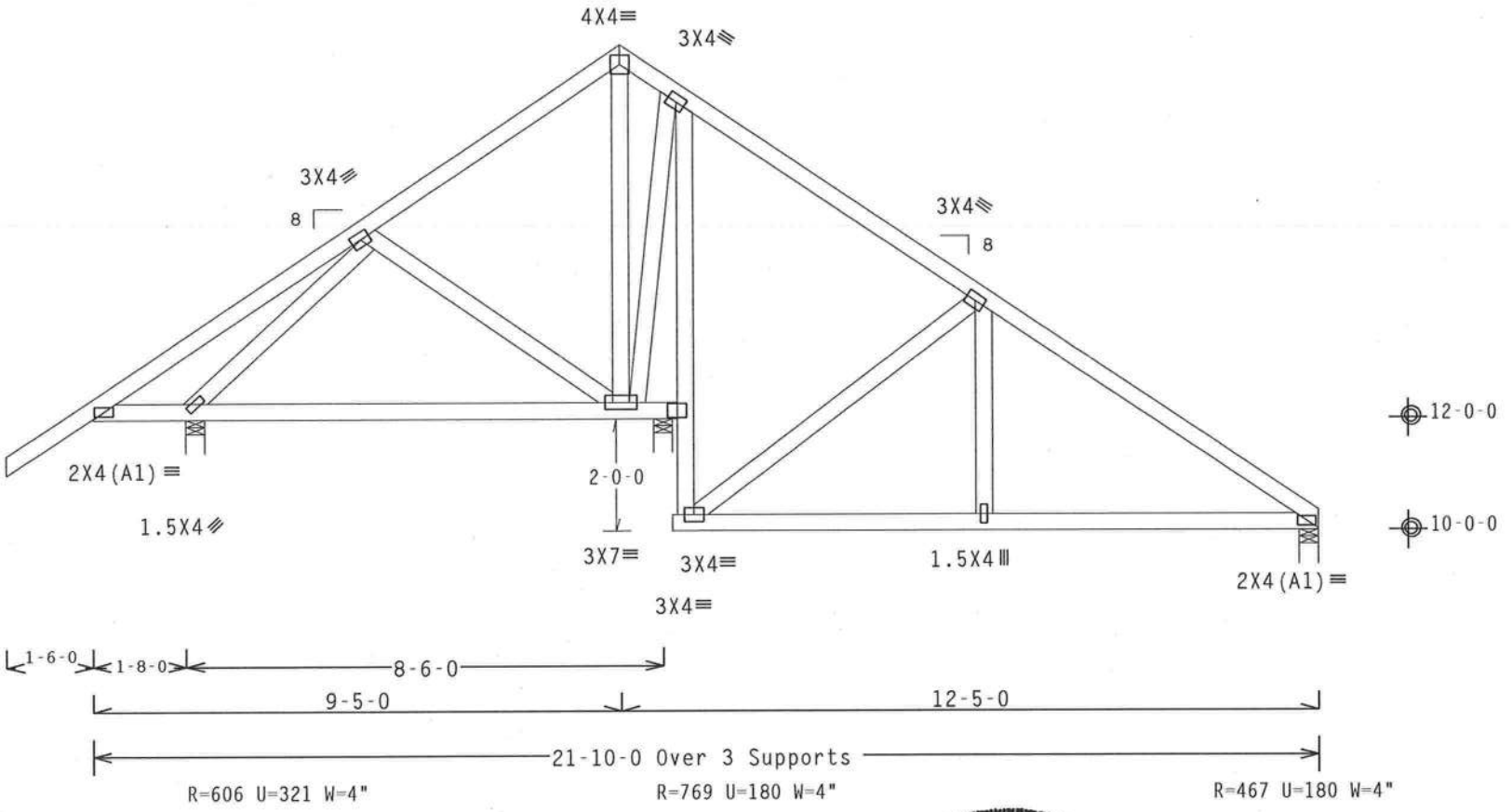
TC LL	20.0 PSF	REF	R487-- 68519
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121160
BC LL	0.0 PSF		HC-ENG GDL/AF *
TOT.LD.	40.0 PSF	SEQN-	83459
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - F)

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

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

110 mph wind, 14.51 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.[illegible] DOT | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

ALPINE

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68520
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121161
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83465
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

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	102 PLF	at	-1.50	to	102 PLF	at 6.00
TC - From	174 PLF	at	6.00	to	174 PLF	at 6.01
TC - From	132 PLF	at	6.01	to	132 PLF	at 21.83
BC - From	4 PLF	at	-1.50	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 21.83

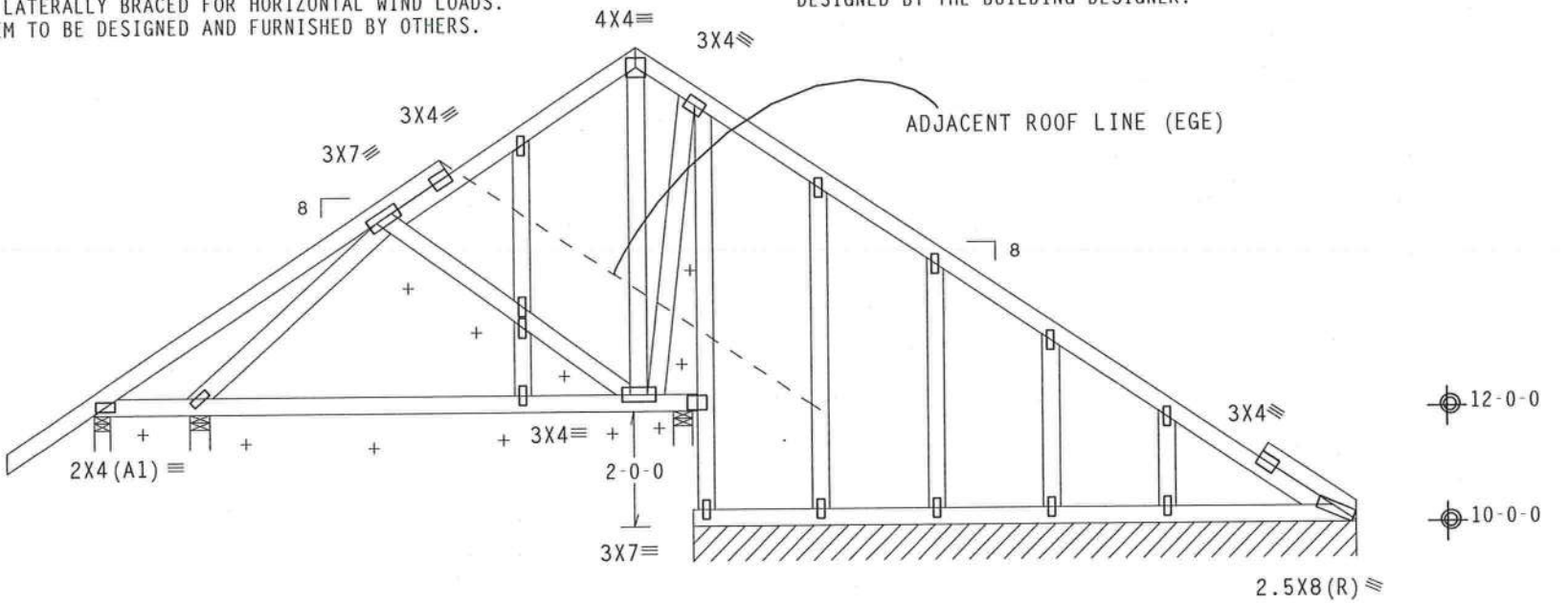
+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

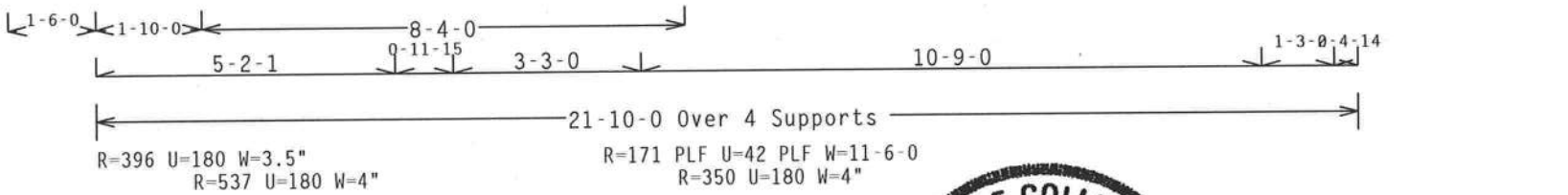
110 mph wind, 14.30 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

See DWGS A11015EN1103 & GBLLETIN1103 for more requirements.

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.

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.7 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

ALPINE

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

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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 FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/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-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68521
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121177
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 23668 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - F-1)

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

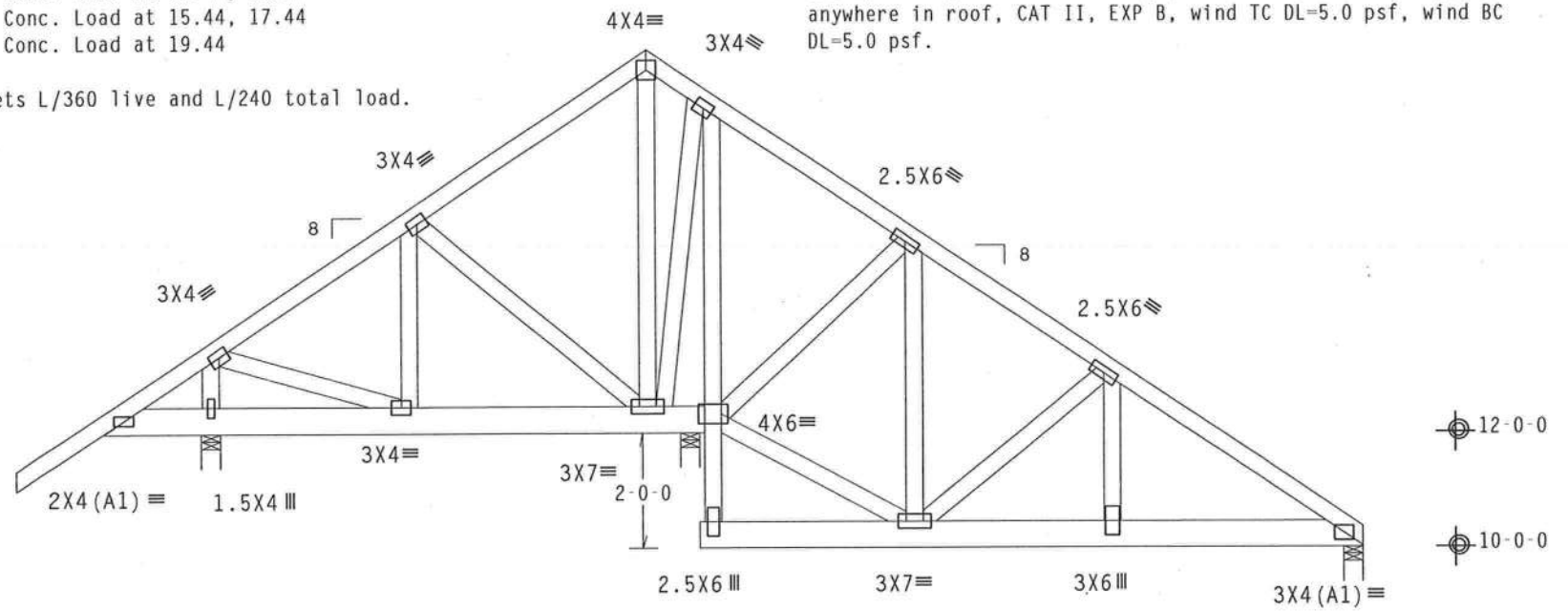
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 21.83
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 21.83
BC - 908 LB Conc. Load at 11.44, 13.44
BC - 1077 LB Conc. Load at 15.44, 17.44
BC - 1117 LB Conc. Load at 19.44

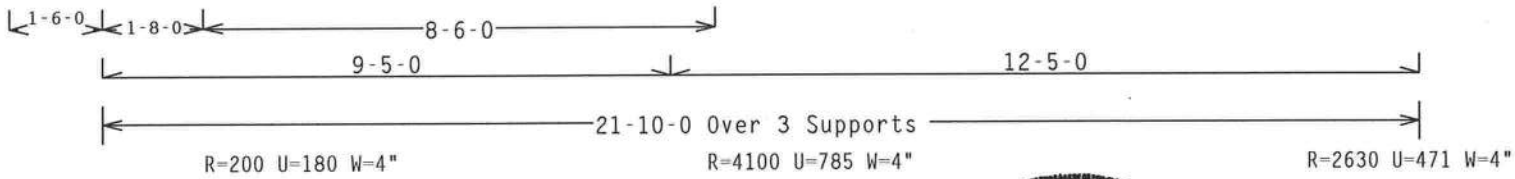
Deflection meets L/360 live and L/240 total load.

2 COMPLETE TRUSSES REQUIRED

NAILING SCHEDULE: (10d_common_nails)
TOP CHORD: 1 ROW @ 12" o.c.
BOT CHORD: 1 ROW @ 7" o.c.
WEBS : 1 ROW @ 4" o.c.
USE EQUAL SPACING BETWEEN ROWS AND STAGGER NAILS
IN EACH ROW TO AVOID SPLITTING.

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





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC 19 | Qty 1 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

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

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

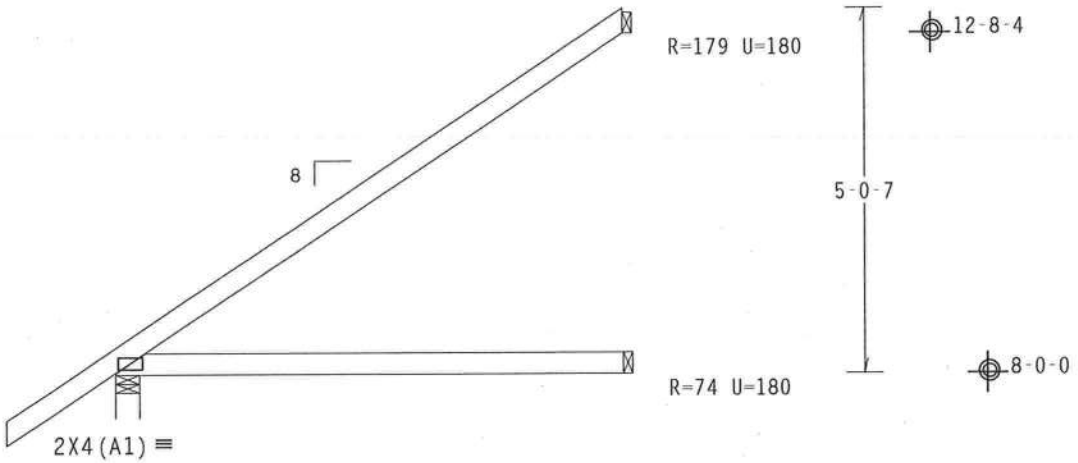
TC LL	20.0 PSF	REF R487-- 68522
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121162
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83618
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

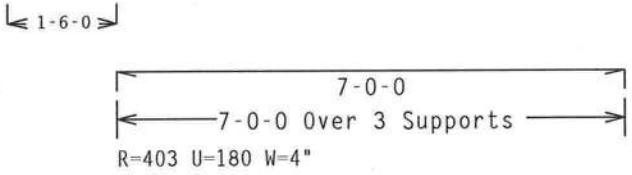
(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - EJ7)

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

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

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.





PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.6 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68523
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121163
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83499
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

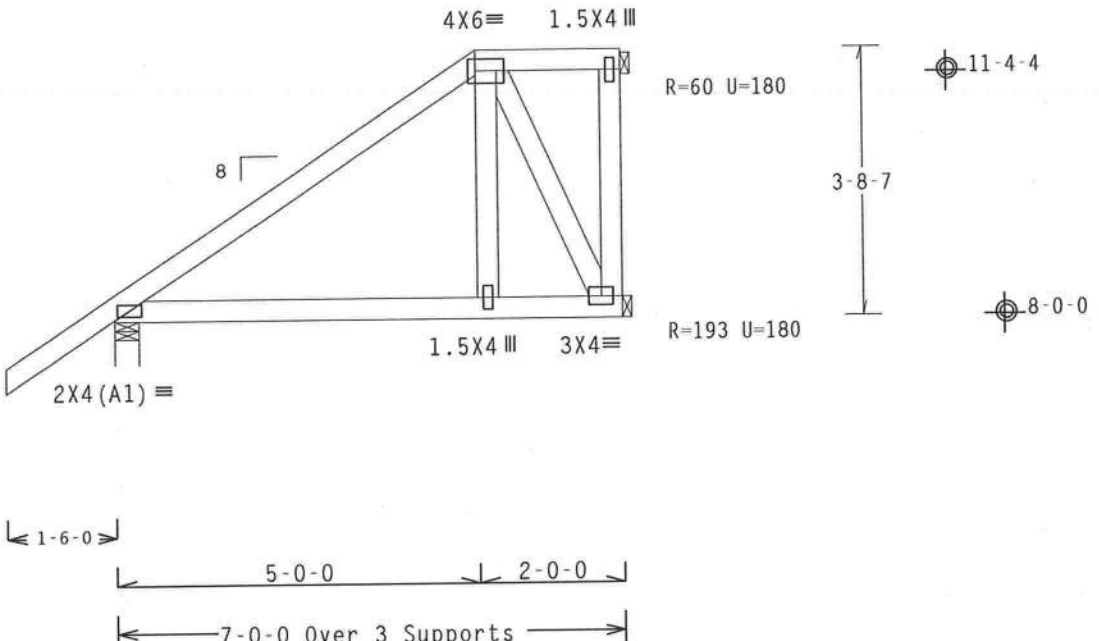
(025-MATTHEW ERRINGER/KEELY LAKE LOT 2 [illegible])

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

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

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

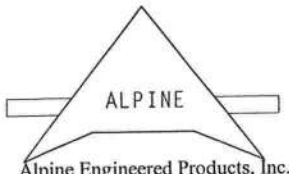


PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19

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

Scale =.375"/Ft.



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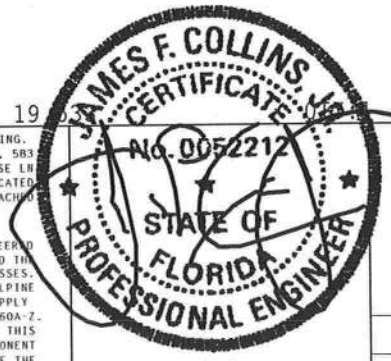


Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68524
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121164
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83456
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - EJ7GE)

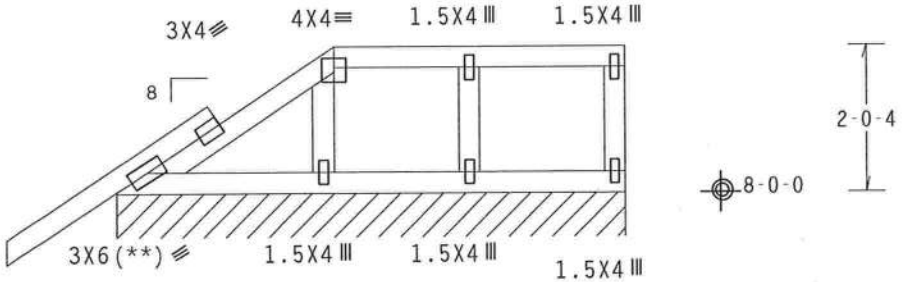
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

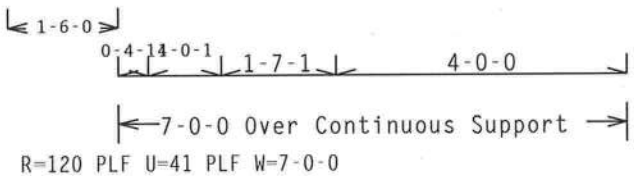
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at -1.50 to 82 PLF at 7.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00

110 mph wind, 8.70 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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





R=120 PLF U=41 PLF W=7-0-0

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD)/FBC | 19.6 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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FL Certificate of Authorization # 567

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JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

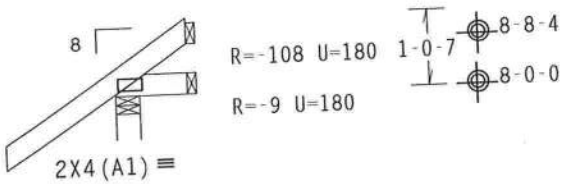
TC LL	20.0 PSF	REF R487-- 68525
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121165
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83450
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

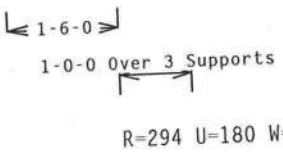
25-MATTHEW ERKINGER/KELLY LAKE LOT 2 - CJ1)

)p chord 2x4 SP #2 Dense
)t chord 2x4 SP #2 Dense

ROVIDE (3) 16d COMMON (0.162"X3.5") NAILS, TOE NAILED AT T.C.
ROVIDE (3) 16d COMMON (0.162"X3.5") NAILS, TOE NAILED AT B.C.

110 mph wind, 8.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.





PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19.3

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Haines City, FL 33844

JAMES F. COLLINS CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

FL/-/4/-/-/R/-	Scale =.375"/Ft.
TC LL 20.0 PSF	REF R487-- 68526
TC DL 10.0 PSF	DATE 04/30/04
BC DL 10.0 PSF	DRW HCUSR487 04121166
BC LL 0.0 PSF	HC-ENG GDL/AF
TOT.LD. 40.0 PSF	SEQN- 83436
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1SCI487_Z07

(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - HJ5)

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

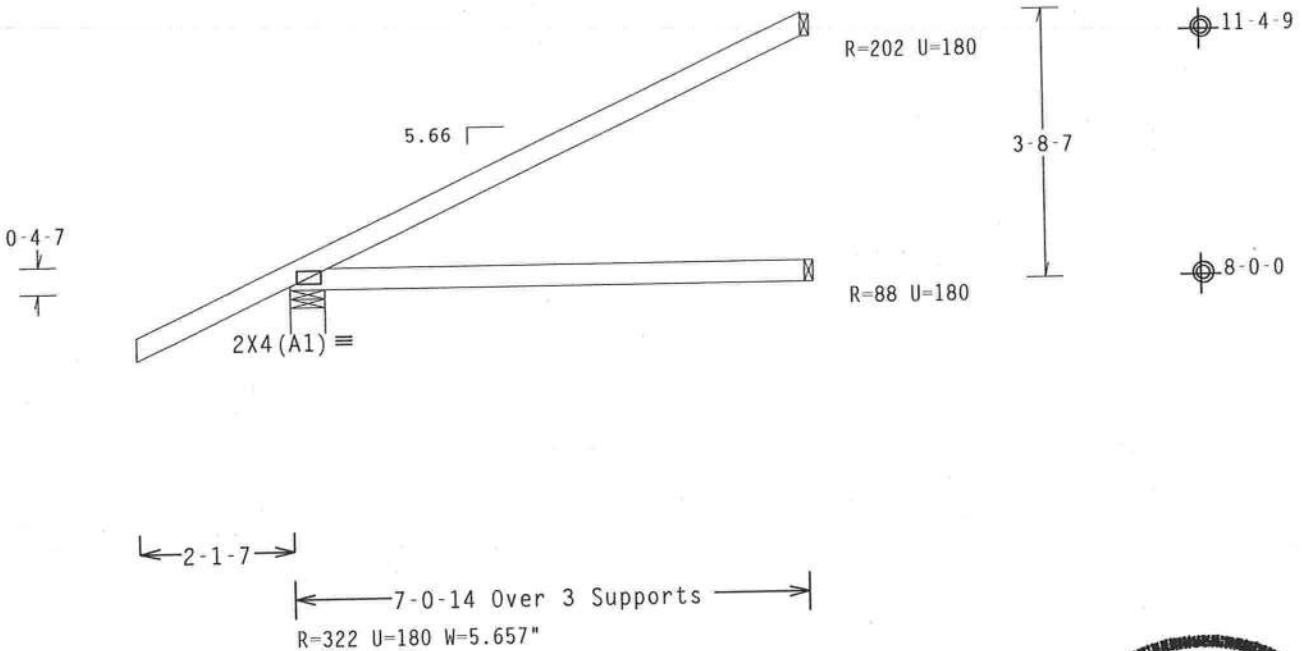
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 5-0-0 setback jacks with no webs.

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

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

TC -	From	60 PLF	at	-2.12	to	60 PLF at 7.07
BC -	From	4 PLF	at	-2.12	to	4 PLF at 0.00
BC -	From	20 PLF	at	0.00	to	20 PLF at 7.07
TC -	216 LB	Conc. Load	at	1.54		
TC -	97 LB	Conc. Load	at	4.37		
BC -	19 LB	Conc. Load	at	1.54		
BC -	44 LB	Conc. Load	at	4.37		



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19[illegible]2 FL/-/4/-/-/R/-

Scale =.375"/Ft.

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

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

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JAMES F. COLLINS CERTIFICATE No.0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

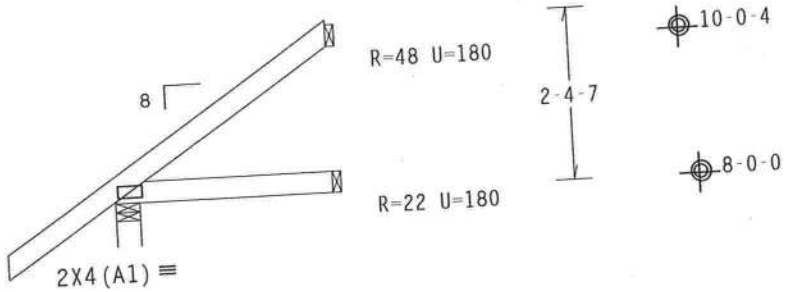
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF R487-- 68527
DATE 04/30/04
DRW HCUSR487 04121167
HC-ENG GDL/AF
SEQN- 83450
JREF- 1SCI487_Z07

25-MATTHEW ERKINGER/KELLY LAKE LOT 2 - CJ3)

o chord 2x4 SP #2 Dense
t chord 2x4 SP #2 Dense

110 mph wind, 8.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



1-6-0

3-0-0 Over 3 Supports

R=266 U=180 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19.6

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

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ALPINE

Alpine Engineered Products, Inc.

JAMES F. COLLINS CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

FL/-/4/-/-/R/-	Scale =.375"/Ft.
TC LL 20.0 PSF	REF R487-- 68528
TC DL 10.0 PSF	DATE 04/30/04
BC DL 10.0 PSF	DRW HCUSR487 04121168
BC LL 0.0 PSF	HC-ENG GDL/AF
TOT.LD. 40.0 PSF	SEQN- 83440
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1SCI487_Z07

)25-MATTHEW ERKINGER/KELLY LAKE LOT 2 - EJ7G)

)p chord 2x4 SP #2 Dense
)t chord 2x6 SP #1 Dense
Webs 2x4 SP #3

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

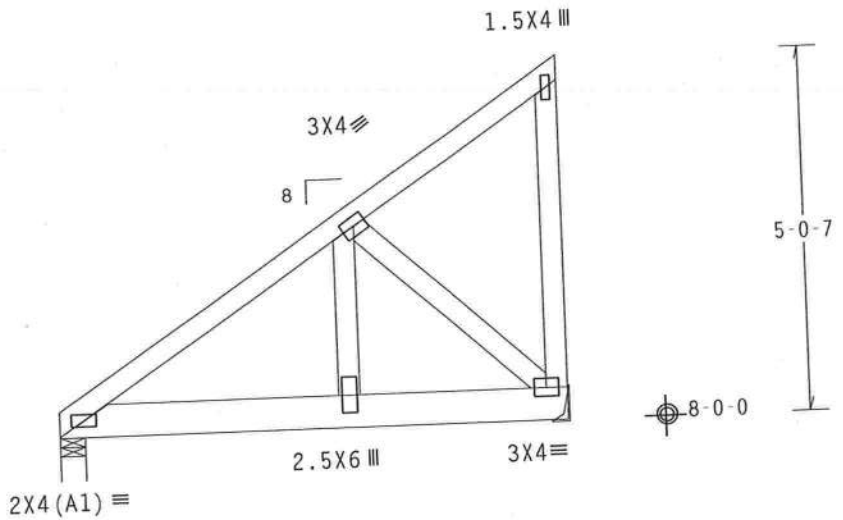
= recommended connection based on manufacturer tested apacities and calculations. Conditions may exist that require lifferent connections than indicated. Refer to manufacturer)ublication for additional information.

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

TC - From	60 PLF at	0.00 to	60 PLF at	7.00
BC - From	20 PLF at	0.00 to	20 PLF at	7.00
TC -	48 LB Conc. Load at	1.59		
BC -	22 LB Conc. Load at	1.59		
BC -	619 LB Conc. Load at	3.56		
BC -	405 LB Conc. Load at	5.56		

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19.0

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

JAMES F. COLLINS CERTIFICATE NO. 0052312 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 30 '04

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

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

Scale =.375"/Ft.

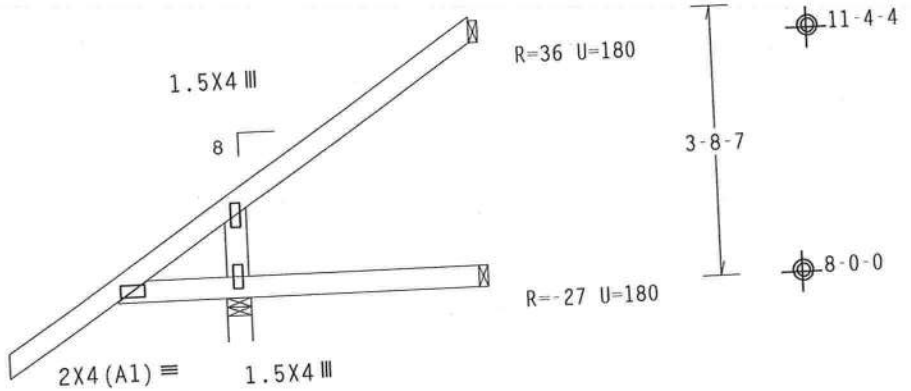
REF	R487-- 68529
DATE	04/30/04
DRW	HCUSR487 04121169
	HC-ENG GDL/AF
SEQN-	83507
JREF-	1SCI487_Z07

25-MATTHEW ERKINGER/KELLY LAKE LOT 2 - EJ5)

)p chord 2x4 SP #2 Dense
)t chord 2x4 SP #2 Dense
Webs 2x4 SP #3

ROVIDE (3) 16d COMMON (0.162"X3.5") NAILS, TOE NAILED AT T.C.
ROVIDE (3) 16d COMMON (0.162"X3.5") NAILS, TOE NAILED AT B.C.

110 mph wind, 9.54 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.



1-6-0 1-6-0

5-0-0 Over 3 Supports
R=487 U=213 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19

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

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ALPINE
Alpine Engineered Products, Inc.

JAMES F. COLLINS CERTIFICATE NO. 52212
No. 0052212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Apr 30 '04

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

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

Scale =.375"/Ft.

REF	R487-- 68530
DATE	04/30/04
DRW	HCUSR487 04121170
	HC-ENG GDL/AF
SEQN-	83446
JREF-	1SCI487_Z07

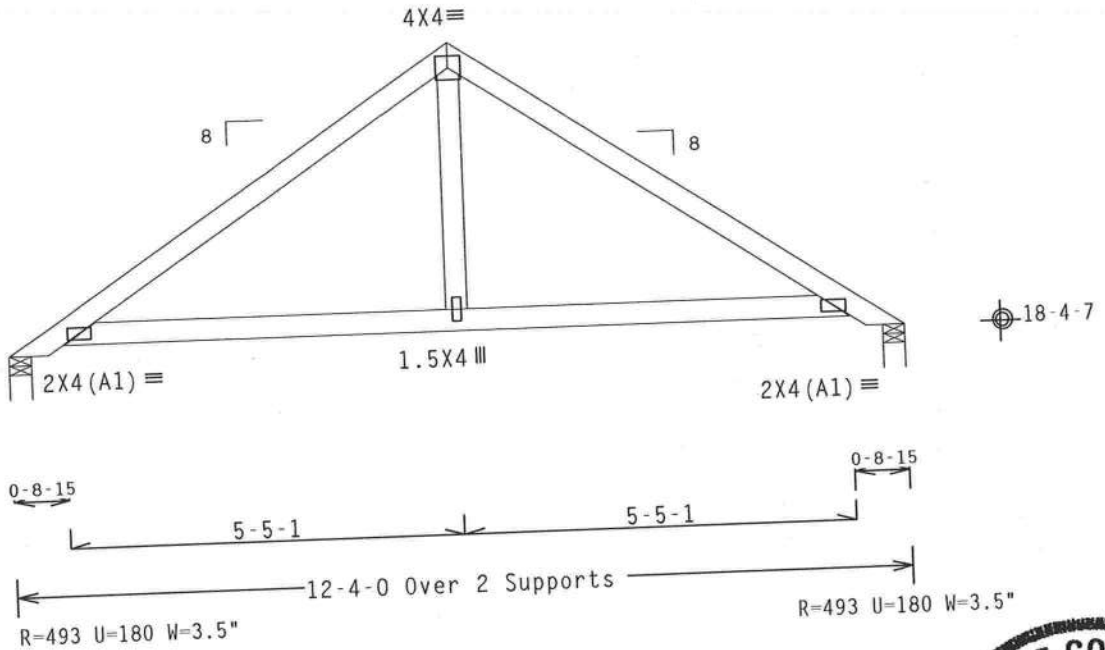
)25-MATTHEW ERKINGER/KELLY LAKE LOT 2 - AP)

op chord 2x4 SP #2 Dense
ot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

:efer to DWG PIGBACKB0204 for piggyback details.

110 mph wind, 20.43 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19.

QTY 11 FL/-/4/-/-/R/-

Scale =.375"/Ft.

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

JAMES F. COLLINS CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

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

REF	R487-- 68531
DATE	04/30/04
DRW	HCUSR487 04121171
	HC-ENG GDL/AF
SEQN-	83637
JREF-	1SCI487_Z07

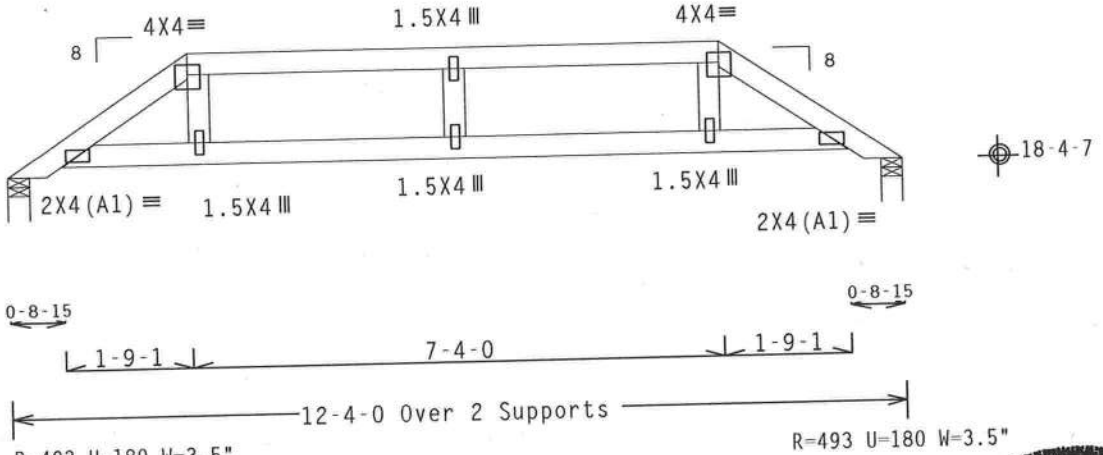
(025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H1706AP)

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.

Refer to DWG PIGBACKB0204 for piggyback details.

110 mph wind, 19.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19

JAMES F. COLLINS, P.E. CERTIFICATE NO. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

FL/-/4/-/-/R/-		Scale =.375"/Ft.
TC LL	20.0 PSF	REF R487-- 68532
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121172
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83642
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

ALPINE

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

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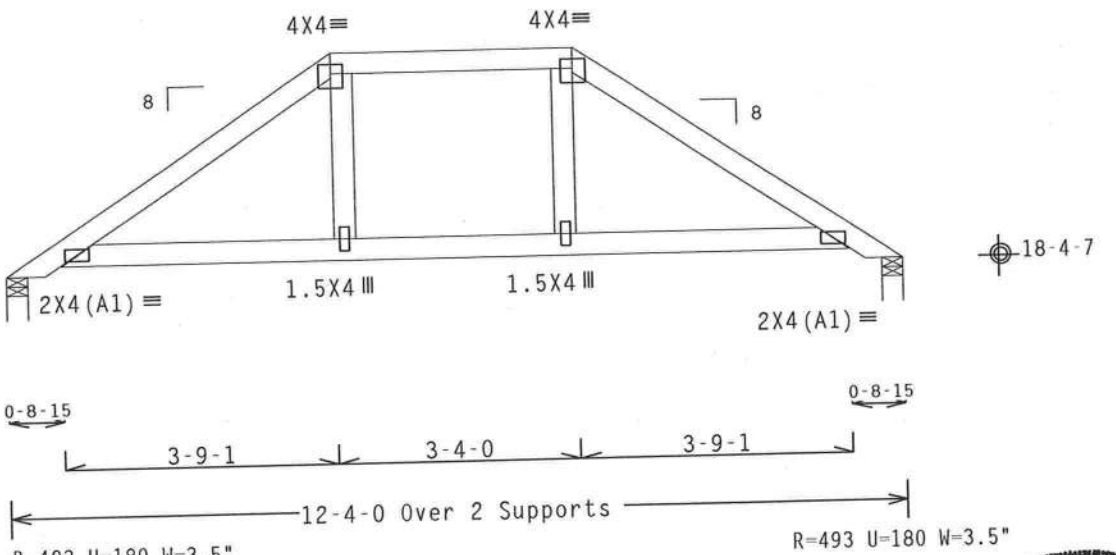
:025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H1906AT)

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.

Refer to DWG PIGBACKB0204 for piggyback details.

110 mph wind, 19.87 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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19.3

JAMES F. COLLINS CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

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

Scale =.375"/Ft.

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

REF	R487-- 68533
DATE	04/30/04
DRW	HCUSR487 04121173
	HC-ENG GDL/AF
SEQN-	83461
	JREF- 1SCI487_Z07

ALPINE

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

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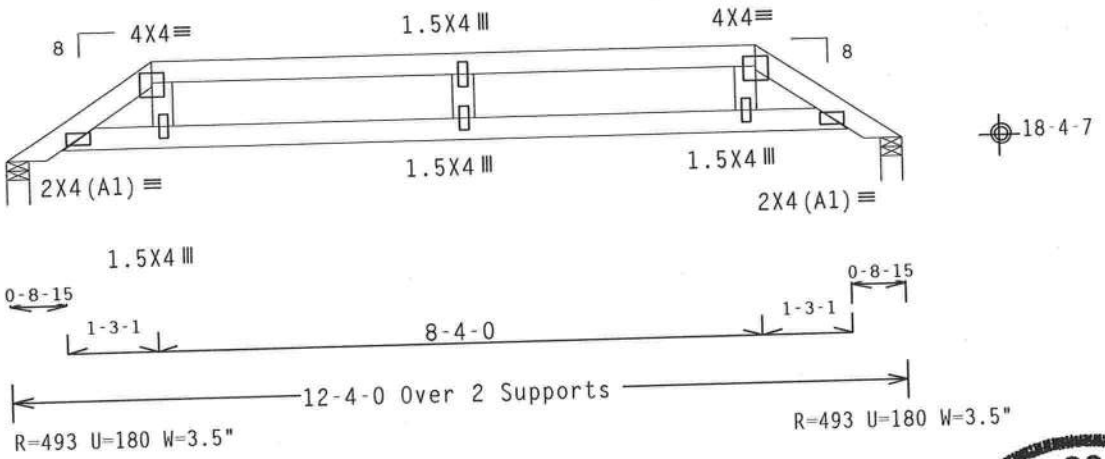
op chord 2x4 SP #2 Dense
ot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Refer to DWG PIGBACKB0204 for piggyback details.

110 mph wind, 19.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

19.

QTY 1

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

Scale =.375"/Ft.

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ALPINE

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

JAMES F. COLLINS
CERTIFICATE
No. 0052212
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Apr 30 '04

TC LL	20.0 PSF	REF R487-- 68534
TC DL	10.0 PSF	DATE 04/30/04
BC DL	10.0 PSF	DRW HCUSR487 04121174
BC LL	0.0 PSF	HC-ENG GDL/AF
TOT.LD.	40.0 PSF	SEQN- 83466
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SCI487_Z07

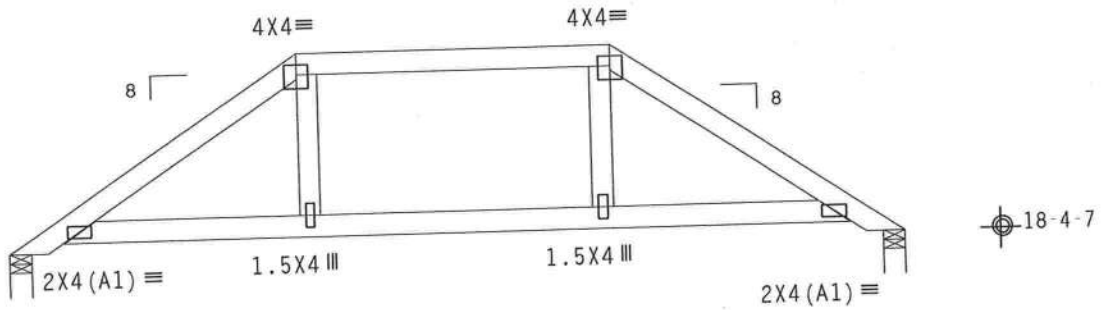
025-MATTHEW ERKINGER/KELLY LAKE LOT 2 - H19AP)

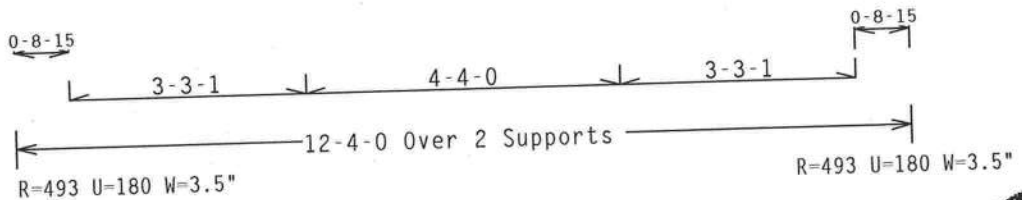
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Refer to DWG PIGBACKB0204 for piggyback details.

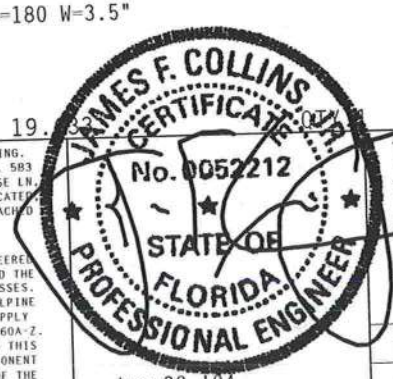
110 mph wind, 19.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.





PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19.33



Apr 30 '04

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

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

Scale =.375"/Ft.

REF	R487-- 68535
DATE	04/30/04
DRW	HCUSR487 04121175
	HC-ENG GDL/AF
SEQN-	83471
JREF-	1SCI487_Z07

ALPINE

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

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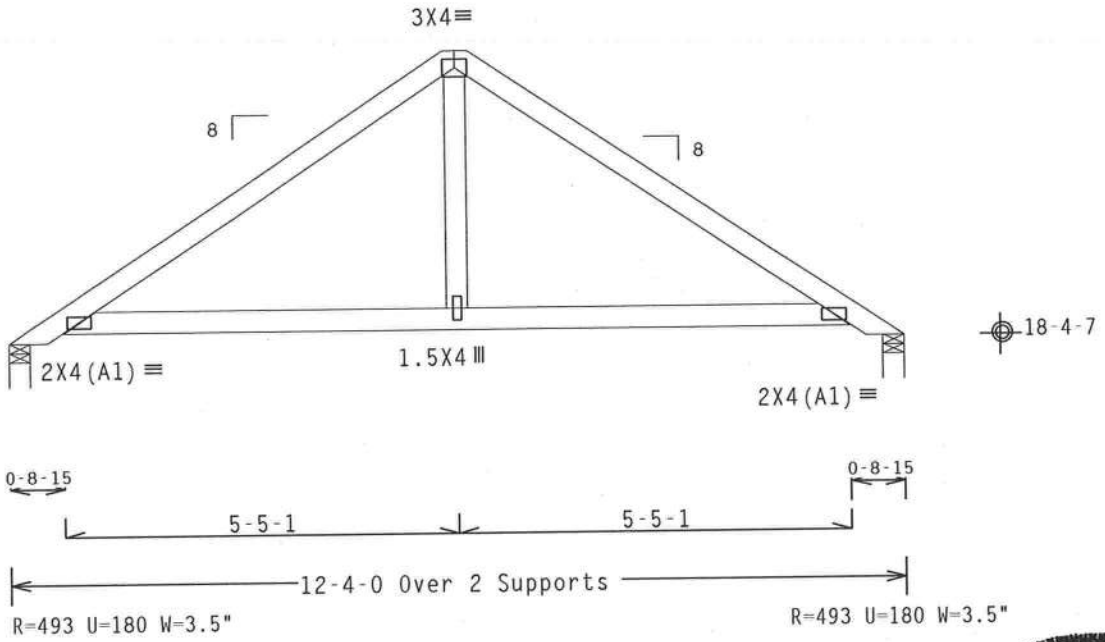
(025-MATTHEW ERKINGER/KEELY LAKE LOT 2 [illegible])

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.

Refer to DWG PIGBACKB0204 for piggyback details.

110 mph wind, 20.37 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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC 19.6

JAMES F. COLLINS CERTIFICATE No. 0052210 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 30 '04

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

Scale =.375"/Ft.

TC LL	20.0 PSF	REF	R487-- 68536
TC DL	10.0 PSF	DATE	04/30/04
BC DL	10.0 PSF	DRW	HCUSR487 04121176
BC LL	0.0 PSF	HC-ENG	GDL/AF
TOT.LD.	40.0 PSF	SEQN-	83476
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SCI487_Z07

ALPINE

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

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CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

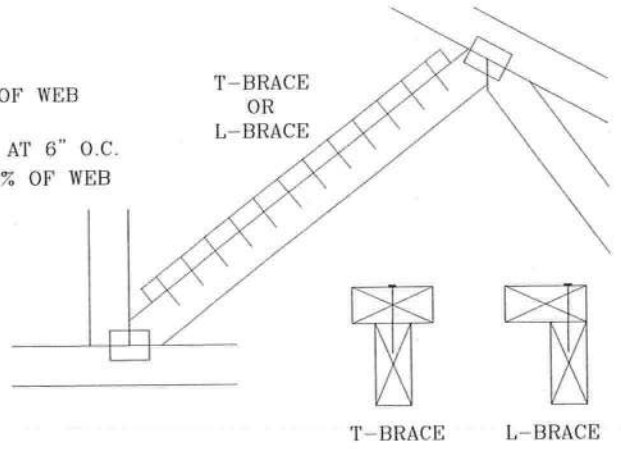
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

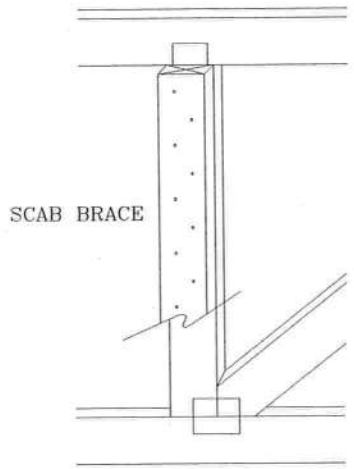


SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS, JR. CERTIFICATE No. 0052212 STATE OF FLORIDA 04/20/2004 PROFESSIONAL ENGINEER

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

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#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.

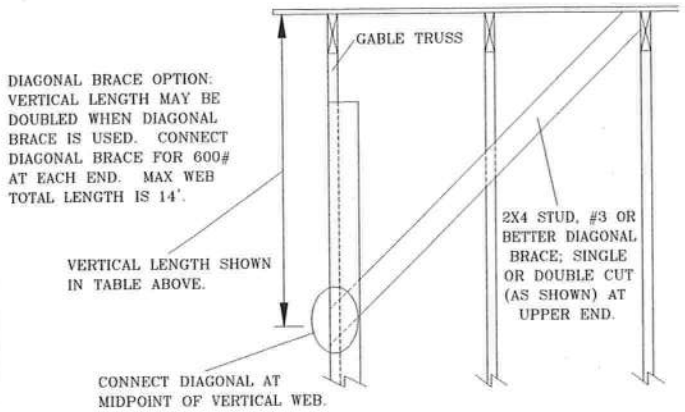
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

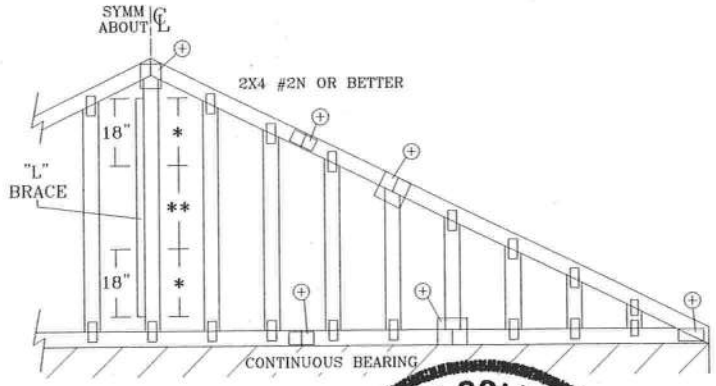
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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 MAXIMUM GABLE VERTICAL LENGTH.

JAMES F. COLLINS, JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/30/2004

ALPINE

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POMPANO BEACH, FLORIDA

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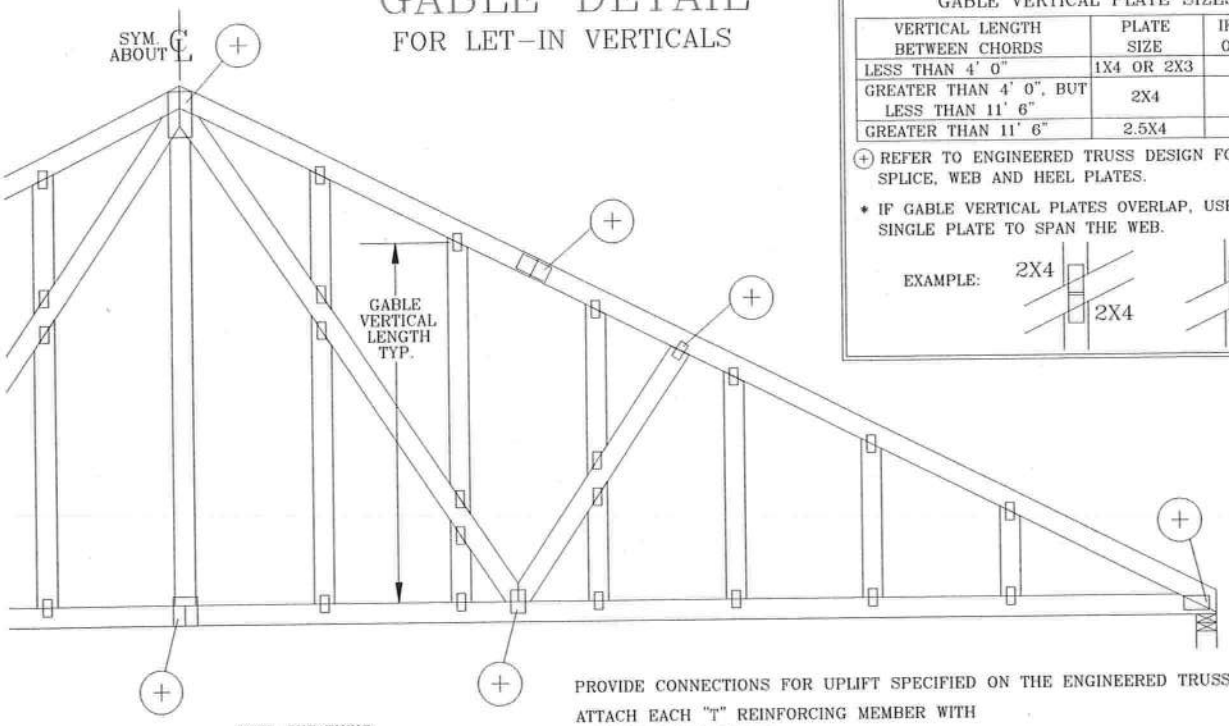
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-98-GAB11015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

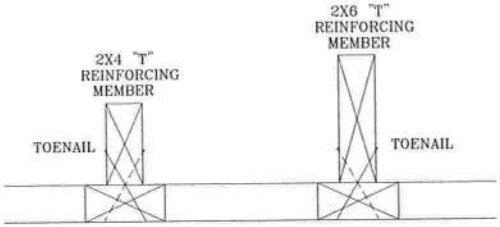


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

(+) 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:



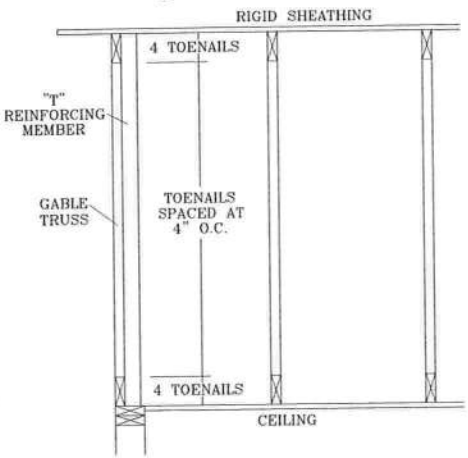
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

JAMES F. COLLINS, JR. CERTIFICATE No. 0052212 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/30/04

REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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

IMPORTANT FURNISH 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 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-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 DESIGNER, PER ANSI/TPI 1 SEC. 2.

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

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLLETIN1103
-ENG	DLJ/KAR