ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T3X487-Z0311135144

Truss Fabricator:	Anderson Truss Company
Job Identification:	6-434--Frederick Perry Construct Lender -- , **
Truss Count:	32
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.26, 7.24, 7.25.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

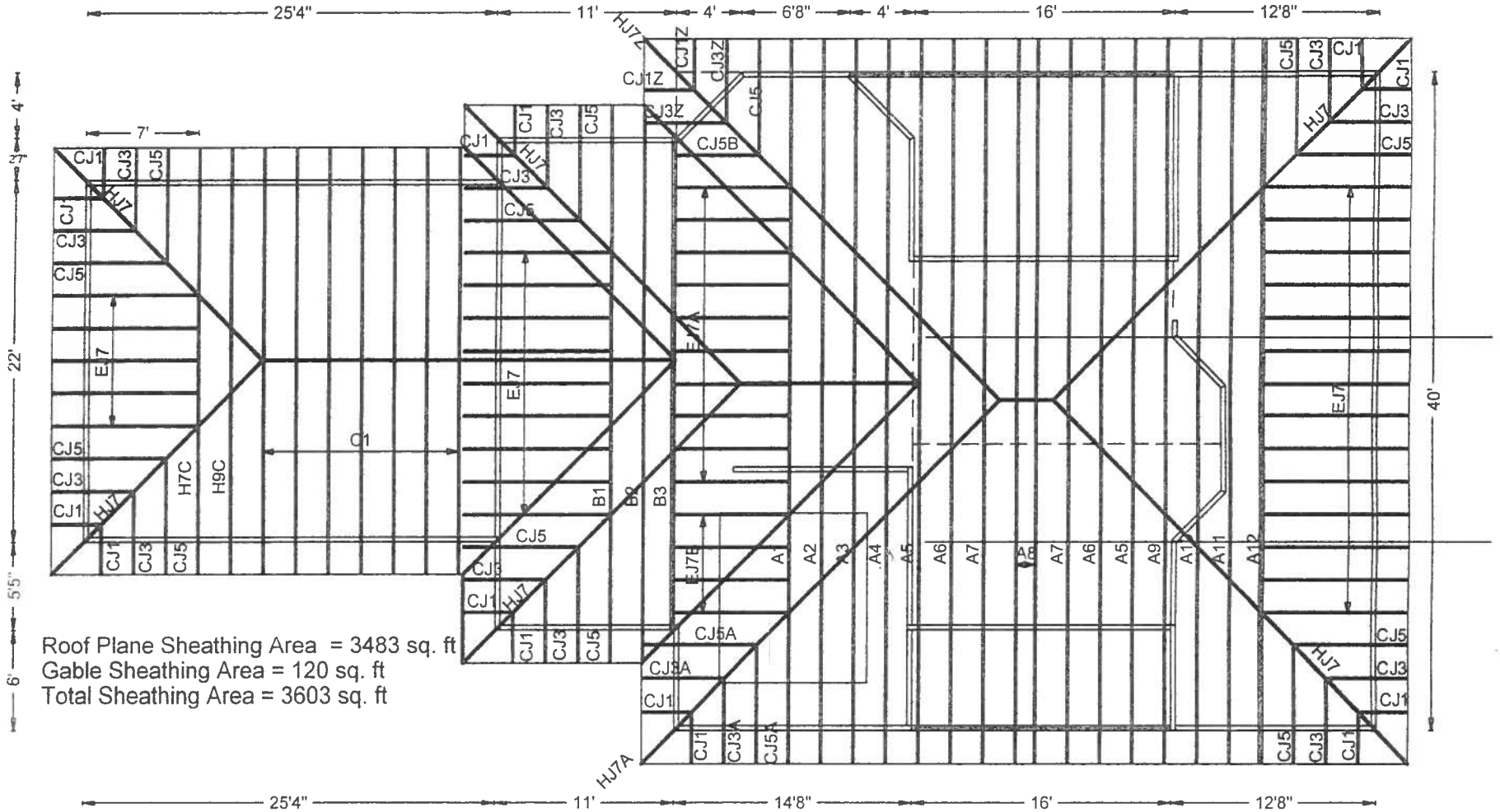
Details: BRCLBSUB-

Seal Date: 01/11/2007

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

25491

#	Ref	Description	Drawing#	Date
1	64288	H9C 22' Stepdown	07011040	01/11/07
2	64289	A12 40' Stepdown	07011041	01/11/07
3	64290	A11 40' Stepdown	07011038	01/11/07
4	64291	A9 40' Stepdown	07011054	01/11/07
5	64292	A5 40' Stepdown	07011047	01/11/07
6	64293	A6 40' Stepdown	07011048	01/11/07
7	64294	A7 40' Stepdown	07011052	01/11/07
8	64295	A8 40' Common	07011031	01/11/07
9	64296	A2 40' Special	07011044	01/11/07
10	64297	A3 40' Special	07011045	01/11/07
11	64298	A4 40' Special	07011046	01/11/07
12	64299	A10 40' Stepdown	07011042	01/11/07
13	64300	A1 40' Special G	07011043	01/11/07
14	64301	B1 30' Special G	07011056	01/11/07
15	64302	B3 30' Stepdown	07011037	01/11/07
16	64303	H7C 22' Stepdown	07011035	01/11/07
17	64304	C1 22' Common	07011049	01/11/07
18	64305	CJ1 1' Jack	07011064	01/11/07
19	64306	HJ7 9'10"13 Hip	07011058	01/11/07
20	64307	CJ3 3' Jack	07011063	01/11/07
21	64308	CJ5 5' Jack	07011062	01/11/07
22	64309	EJ7 7' End Jack	07011065	01/11/07
23	64310	EJ7A 7' End Jack	07011039	01/11/07
24	64311	EJ7B 7' End Jack	07011050	01/11/07
25	64312	CJ3A 3' Jack	07011055	01/11/07
26	64313	HJ7A 9'10"13 Hip	07011051	01/11/07
27	64314	CJ5A 5' Jack	07011053	01/11/07
28	64315	CJ5B 5' Jack	07011061	01/11/07
29	64316	HJ7Z	07011057	01/11/07
30	64317	CJ1Z 1' Jack	07011060	01/11/07
31	64318	CJ3Z 3' Jack	07011059	01/11/07
32	64319	B2 30' Special	07011036	01/11/07



#6-434 Frederick Perry - Lender 01/04/07

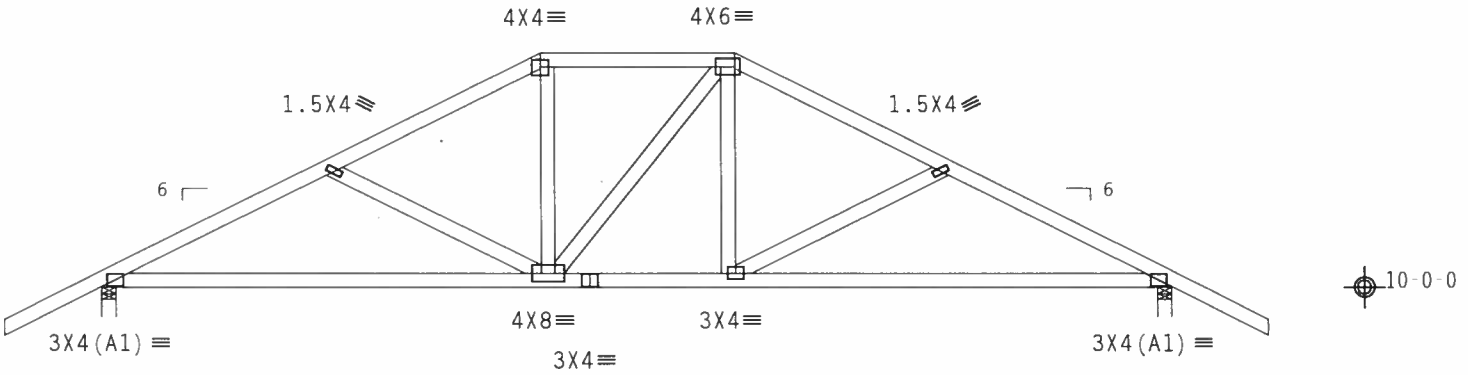
(6 434 Frederick Perry Construct Lender , ** H9C 22' Stepdown Hip)

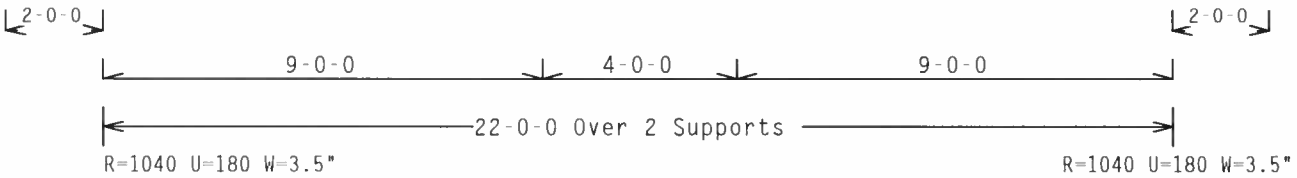
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.26.0 TY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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. ITW BUILDING COMPONENTS GROUP, 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) 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.

ARTHUR R. FISHER
LICENSE
No. 58687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 11 07

TC LL	20.0 PSF	REF	R487-- 64288
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011040
BC LL	0.0 PSF		HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN-	15753
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - A12 40' Stepdown Hip Girder)

THIS END 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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

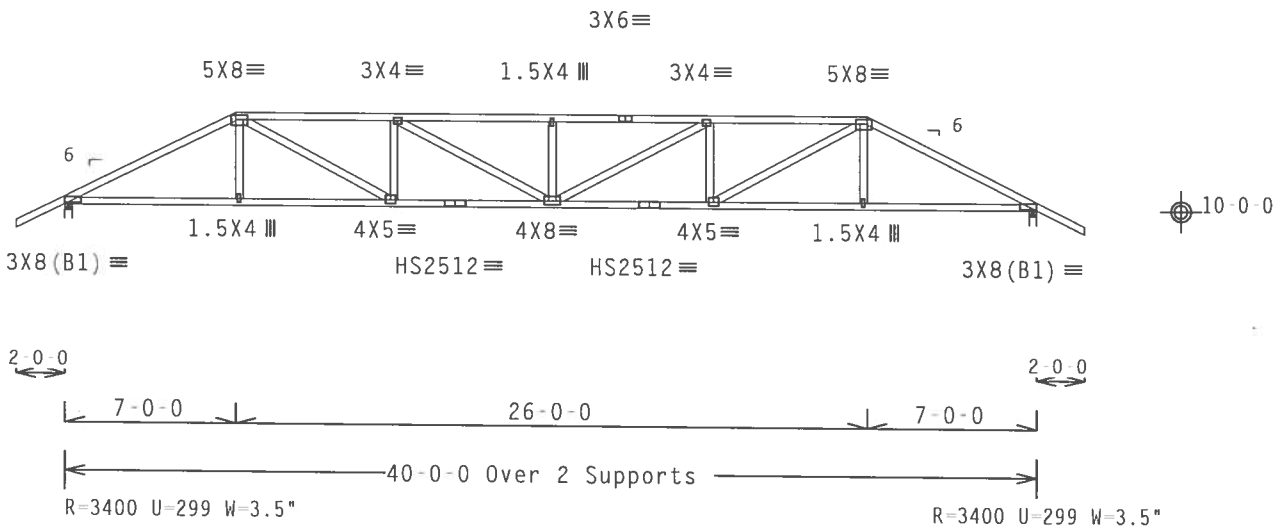
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Box or Gun (0.128"x3", 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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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ARTHUR B. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11,07

TC LL	20.0 PSF	REF R487-- 64289
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011041
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 143513
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - A11 40' Stepdown Hip)

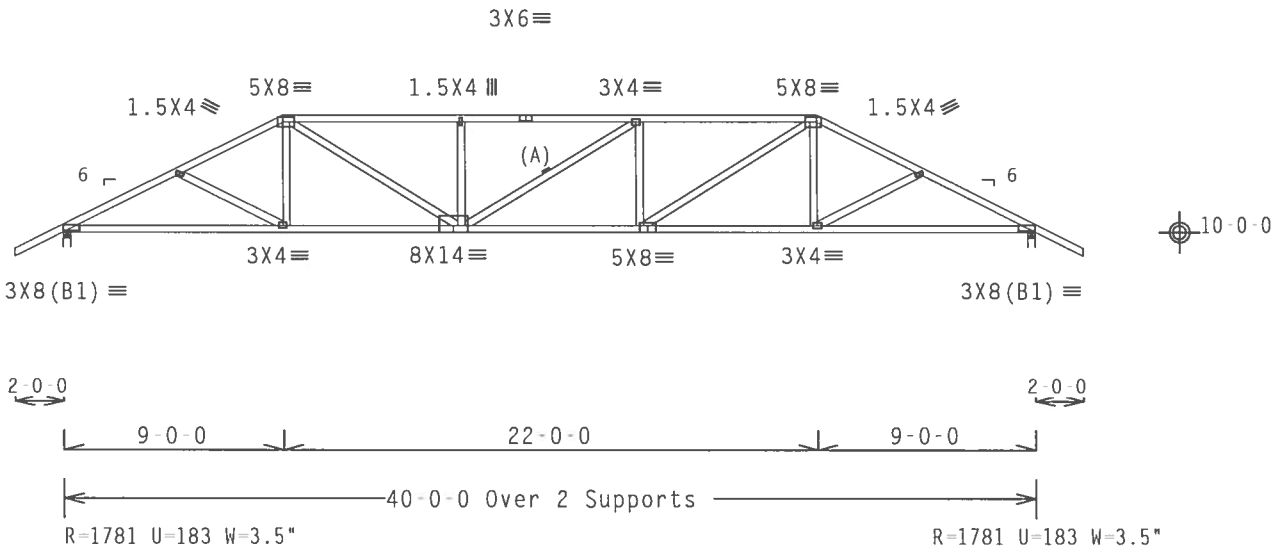
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

PLT TYP. Wave

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ARTHUR A. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64290
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011038
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	143520
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - A9 40' Stepdown Hip)

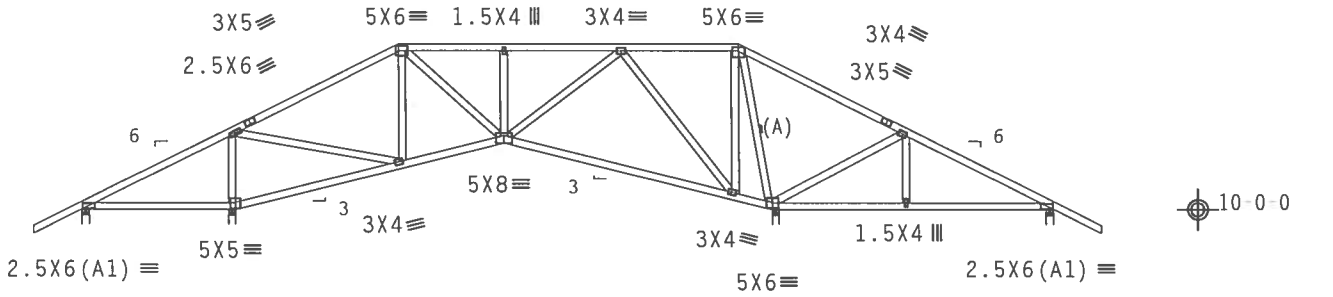
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

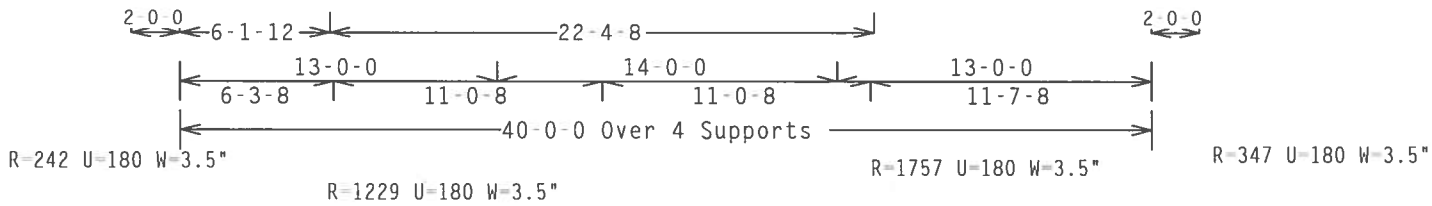
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64291
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011054
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 143542
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

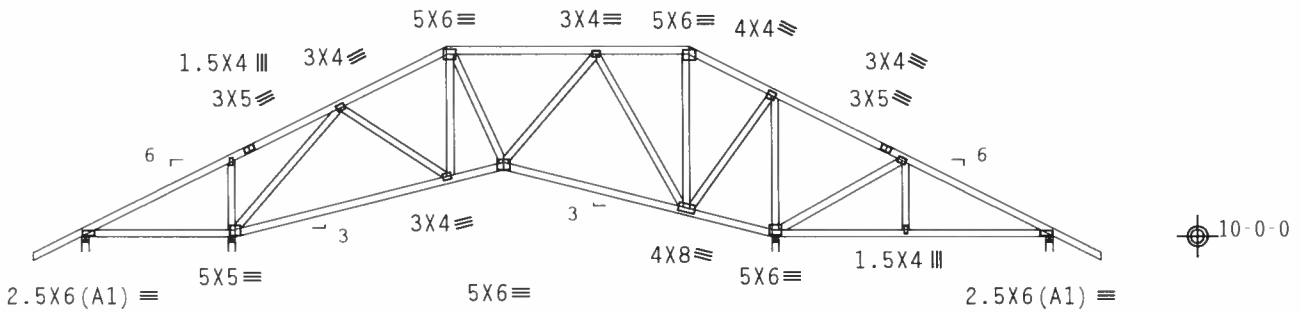
(6 434 Frederick Perry Construct Lender , ** A5 40' Stepdown Hip)

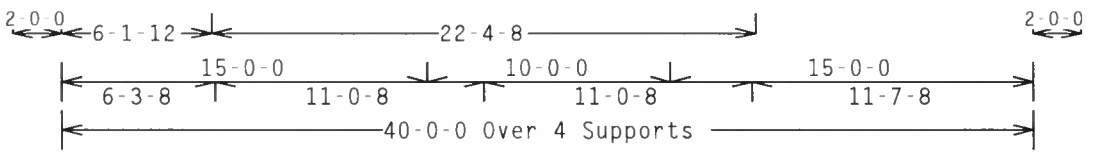
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.





R=287 U=180 W=3.5"
R=1206 U=180 W=3.5"
R=1670 U=180 W=3.5"
R=413 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible] KY:2 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

ALPINE

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64292
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011047
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144097
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

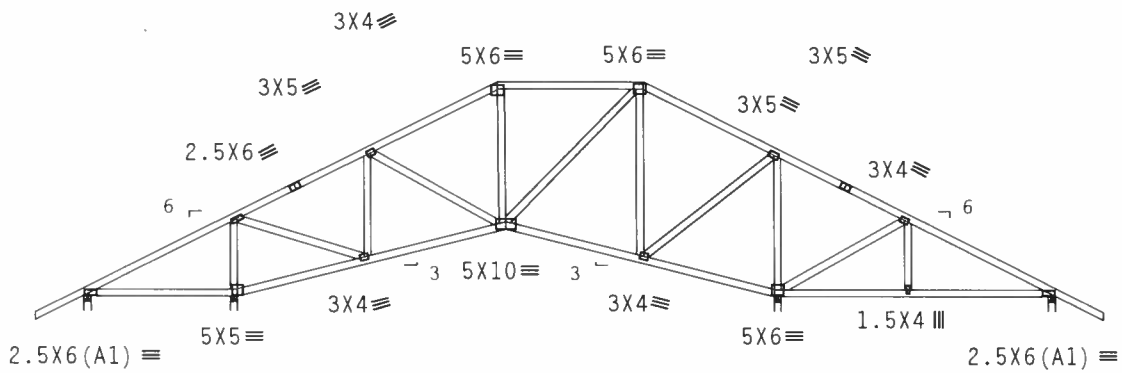
(6 434 Frederick Perry Construct Lender , ** A6 40' Stepdown Hip)

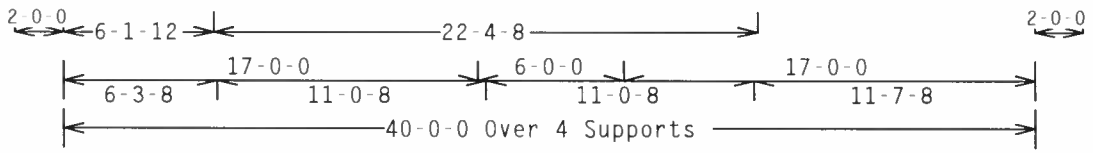
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.





R=281 U=180 W=3.5"

R=1236 U=180 W=3.5"

R=1599 U=180 W=3.5"

R=459 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:2 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

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FL Certificate of Authorization "

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64293
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011048
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144102
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

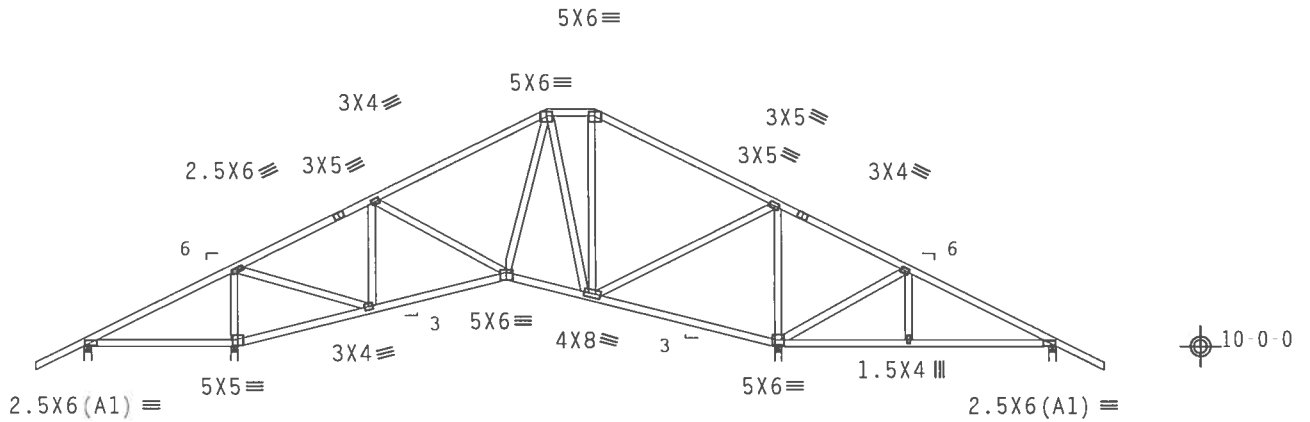
(6-434--Frederick Perry Construct Lender -- , ** - A7 40' Stepdown Hip)

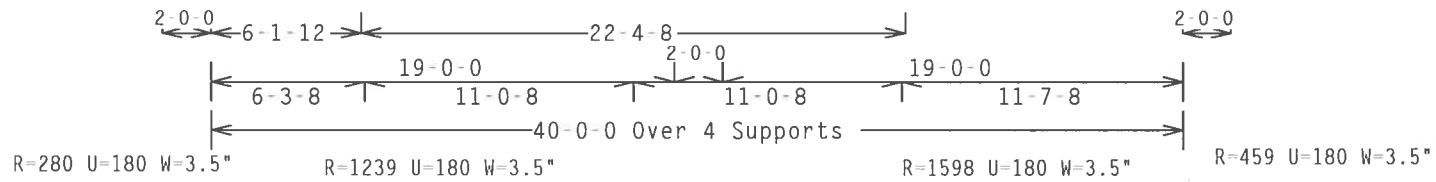
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:2 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certific[illegible]orization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64294
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011052
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144105
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

(6 434 Frederick Perry Construct Lender , ** A8 40' Common)

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

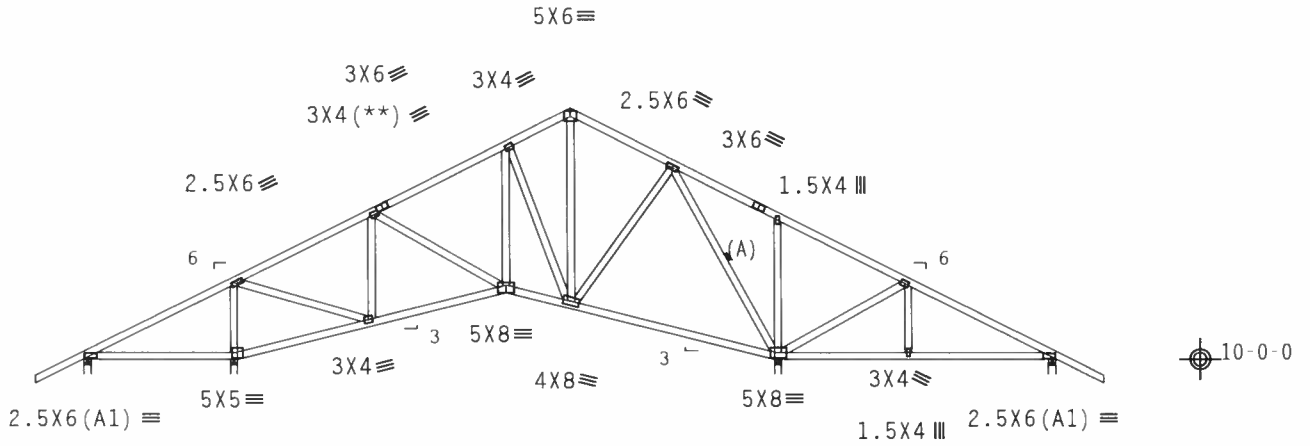
Wind reactions based on MWFRS pressures.

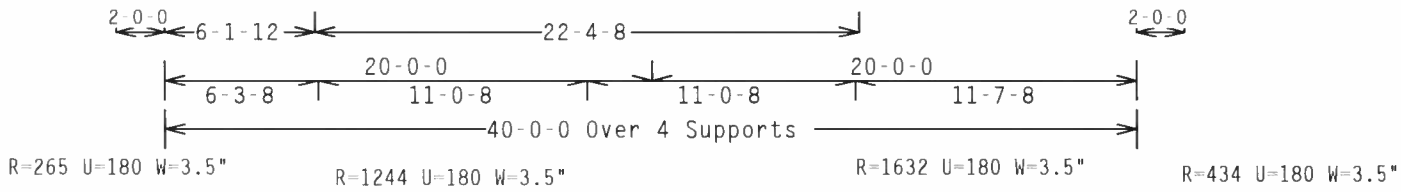
(A) Continuous lateral bracing equally spaced on member.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:2 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF
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PROFESSIONAL ENGINEER
Jan 11, 07

TC LL	20.0 PSF	REF	R487-- 64295
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011031
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN-	12676
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - A2 40' Special)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1, W6 2x4 SP #2 Dense:

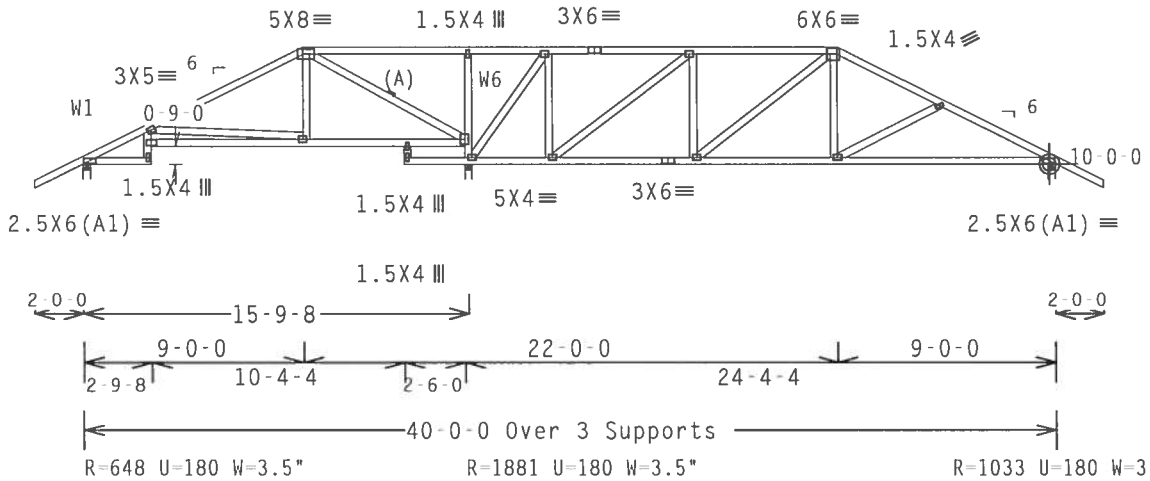
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.

SEE DWGS TCFILLER1106 AND BCFILLER1106 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER
AT 24" O.C,AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A
LATERAL BRACE AT CHORD ENDS.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64296
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011044
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144089
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - A3 40' Special)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1, W6 2x4 SP #2 Dense:

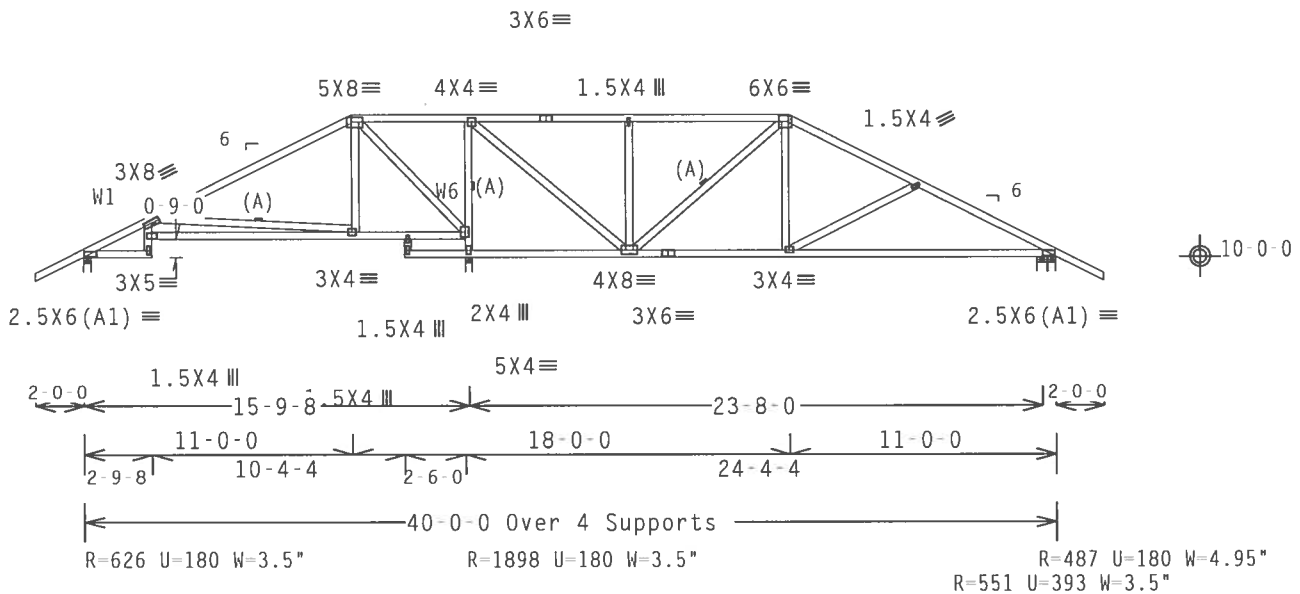
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

SEE DWGS TCFILLER1106 AND BCFILLER1106 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER
AT 24" O.C,AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A
LATERAL BRACE AT CHORD ENDS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
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Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64297
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011045
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144092
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - A4 40' Special)

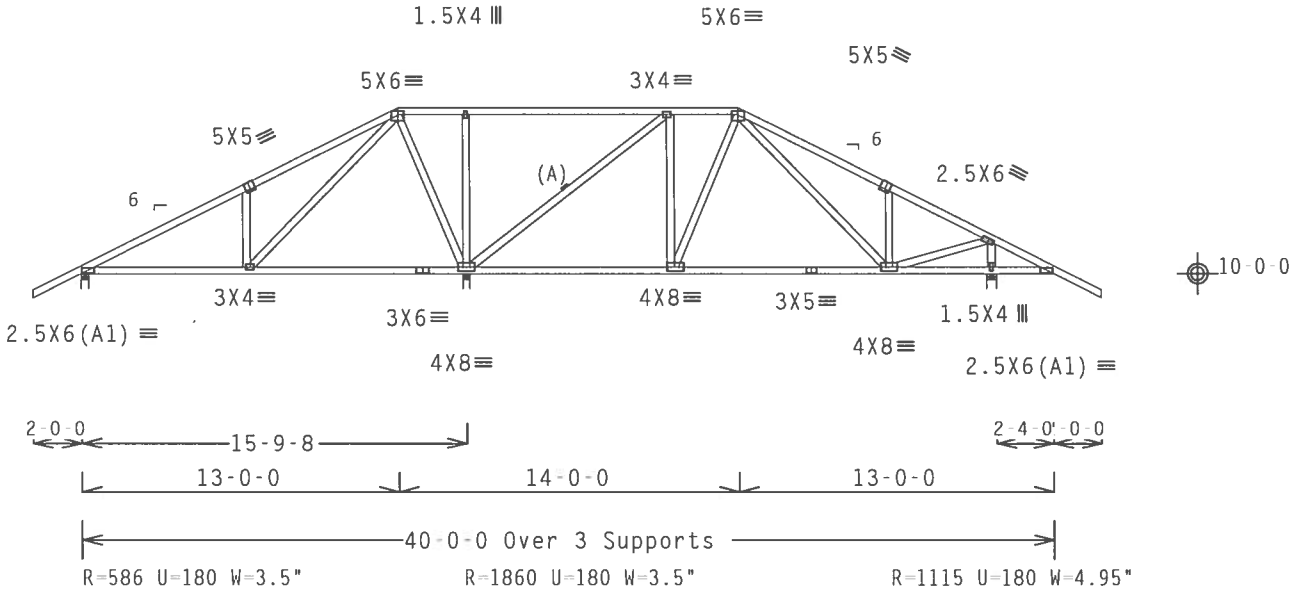
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 Y:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64298
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011046
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144113
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

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

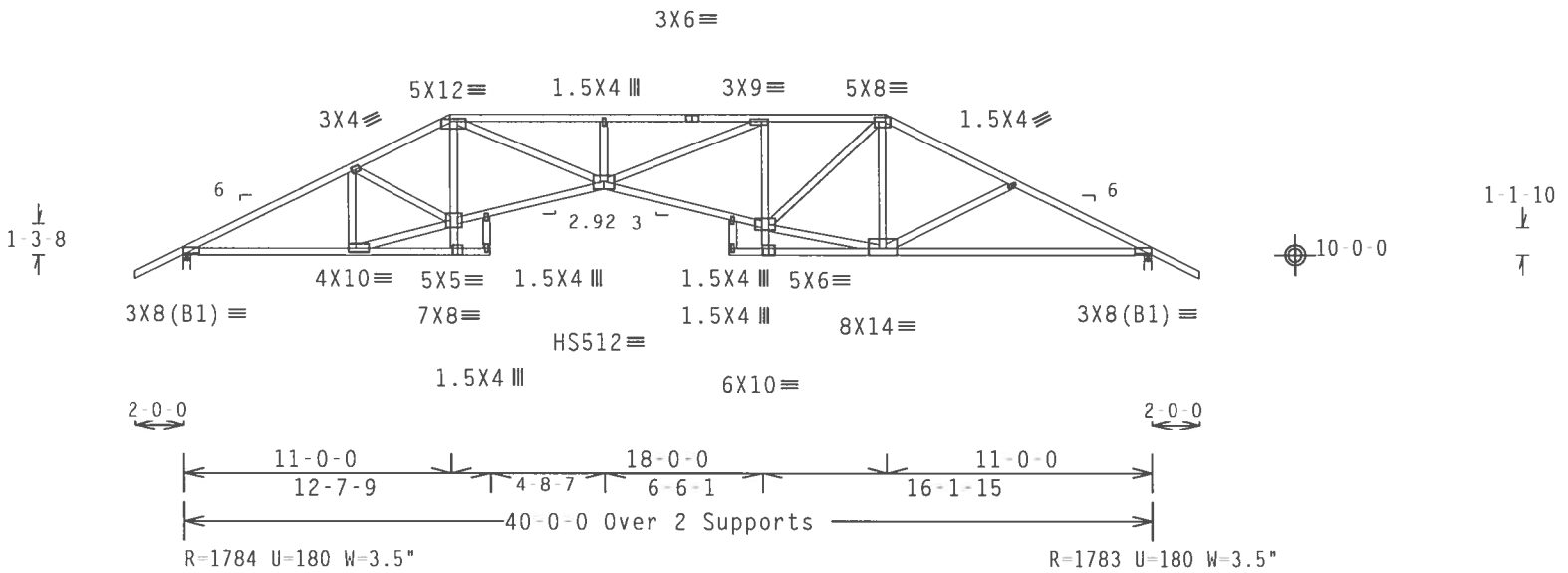
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

SEE DWGS TCFILLER1106 AND BCFILLER1106 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER
AT 24" O.C,AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A
LATERAL BRACE AT CHORD ENDS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.17" due to live load and 0.18" due to dead load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.13 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64299
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011042
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 143598
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:

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

TC	From	62 PLF	at	-2.00	to	62 PLF	at 7.00
TC	From	126 PLF	at	7.00	to	126 PLF	at 33.00
TC	From	62 PLF	at	33.00	to	62 PLF	at 42.00
BC	From	4 PLF	at	-2.00	to	4 PLF	at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF	at 7.00
BC	From	44 PLF	at	7.00	to	44 PLF	at 33.00
BC	From	20 PLF	at	33.00	to	20 PLF	at 40.00
BC	From	4 PLF	at	40.00	to	4 PLF	at 42.00
TC	198 LB	Conc. Load	at	42.00			
BC	480 LB	Conc. Load	at	7.00, 33.00			

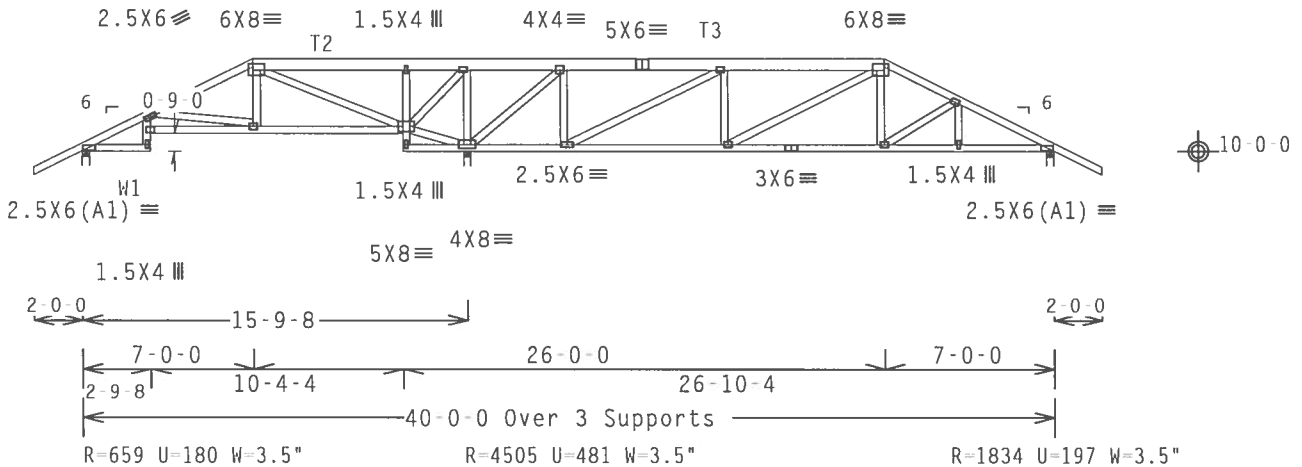
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Florida Certificate of Authorization #

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
JAN 11 '07

TC LL	20.0 PSF	REF	R487-- 64300
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011043
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN-	144148
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6 434 Frederick Perry Construct Lender , ** B1 30' Special Girder)

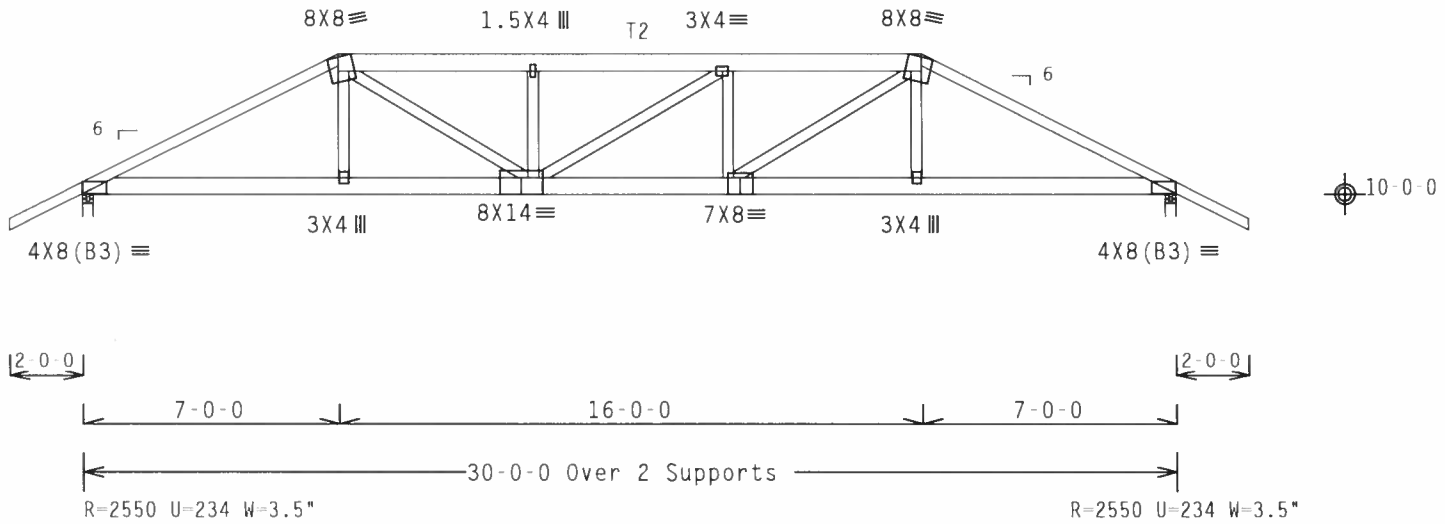
Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64301
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011056
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144077
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6 434 Frederick Perry Construct Lender , ** B3 30' Stepdown Hip Girder)

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

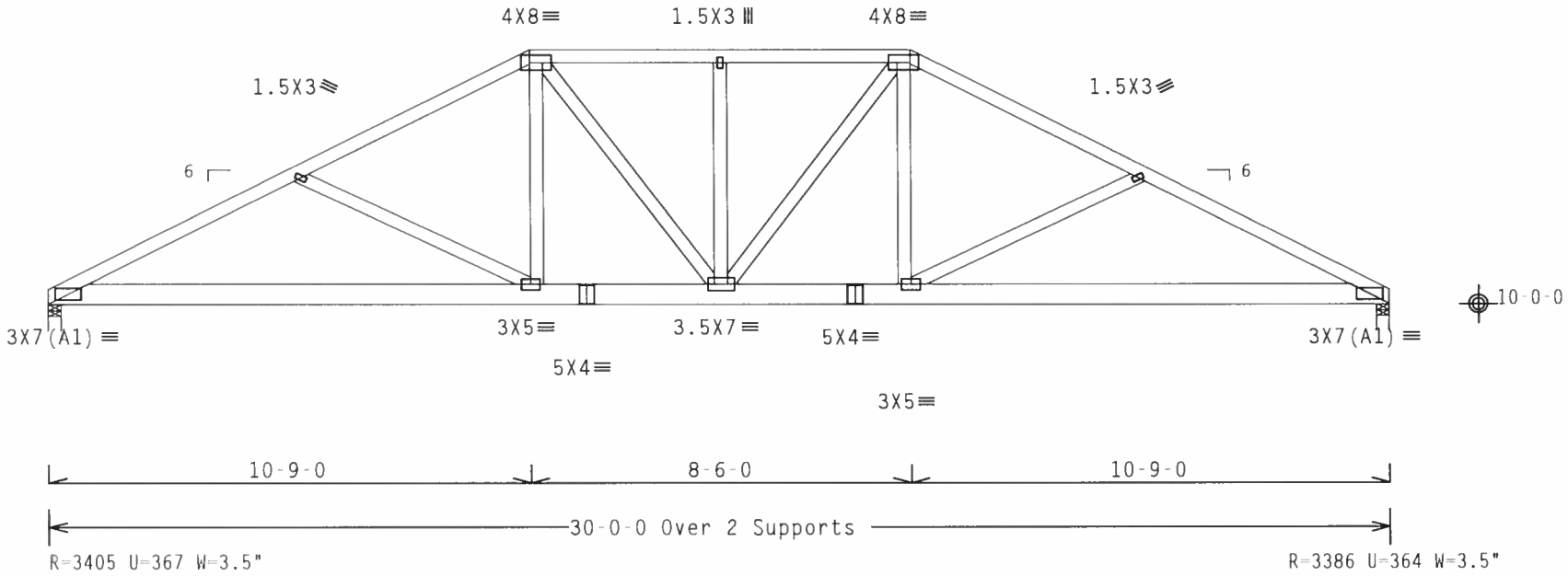
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 19.25
TC - From 62 PLF at 19.25 to 62 PLF at 30.00
BC - From 20 PLF at 0.00 to 20 PLF at 30.00
BC - 288 LB Conc. Load at 1.00, 3.00, 5.00, 7.00, 9.00 11.00, 13.00, 14.88, 16.88, 18.88, 20.88, 22.88, 24.88, 26.88 28.88

Deflection meets L/240 live and L/180 total load.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3"_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 9.75" 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 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.25.0 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64302
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011037
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	78034 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6 434 Frederick Perry Construct Lender . ** H7C 22' Stepdown Hip Girder)

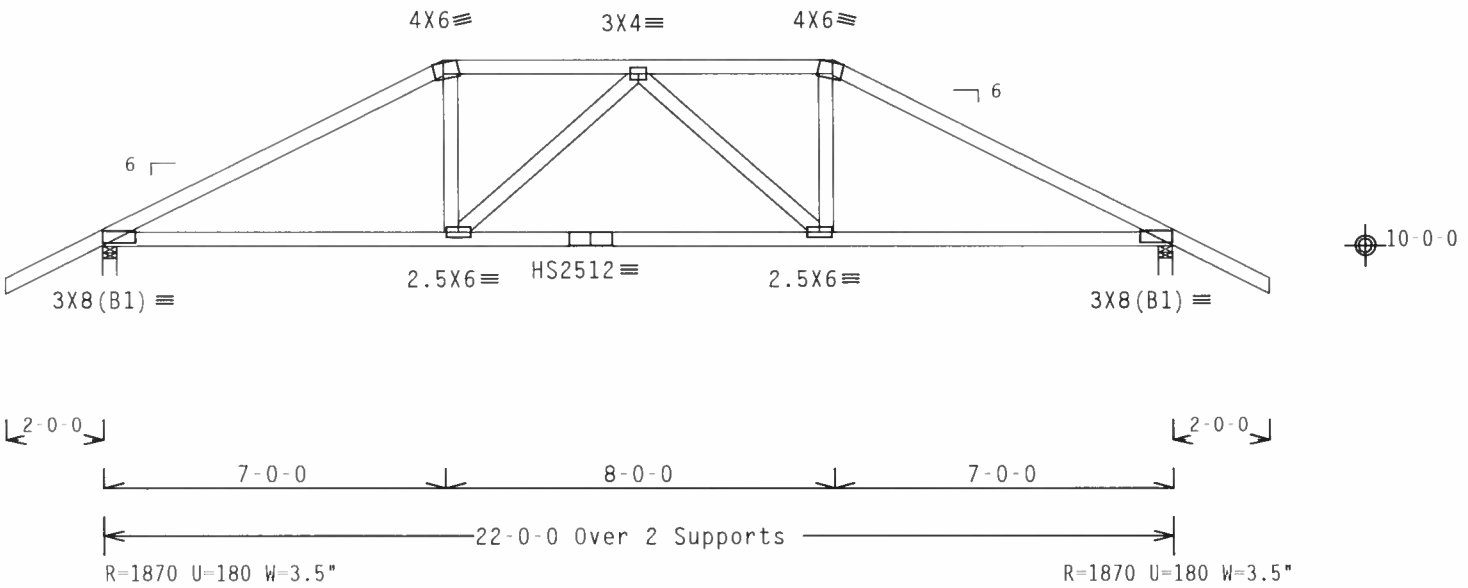
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64303
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011035
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN-	144071
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6 434 Frederick Perry Construct Lender , ** C1 22' Common)

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

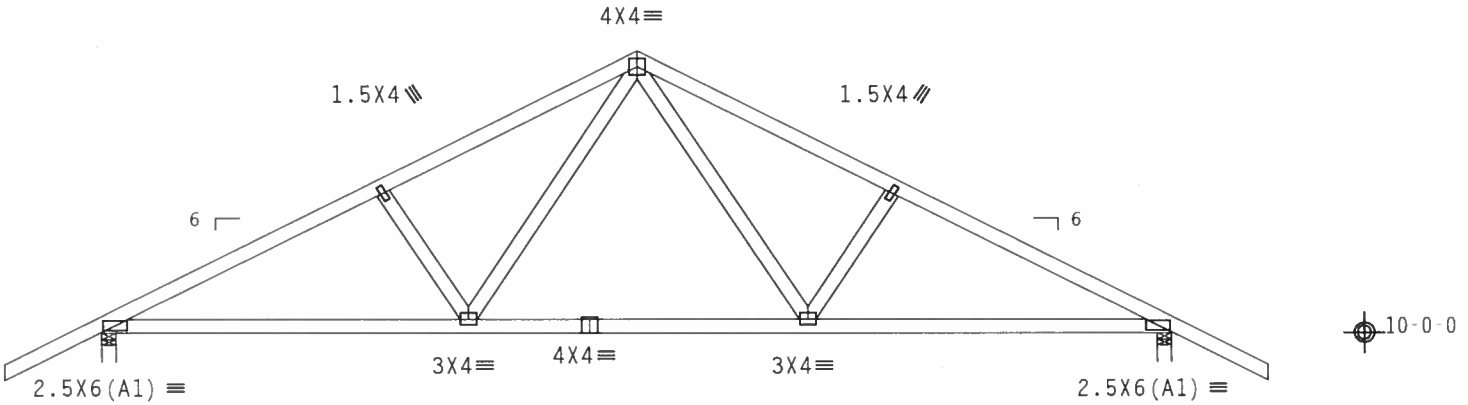
SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

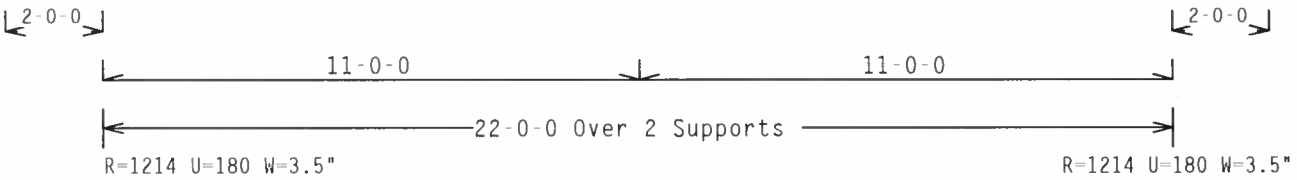
TC - From	62 PLF	at	-2.00	to	62 PLF	at 11.00
TC - From	62 PLF	at	11.00	to	62 PLF	at 24.00
BC - From	4 PLF	at	-2.00	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 7.51
BC - From	70 PLF	at	7.51	to	70 PLF	at 14.49
BC - From	20 PLF	at	14.49	to	20 PLF	at 22.00
BC - From	4 PLF	at	22.00	to	4 PLF	at 24.00

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:7 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Ja 11 '07

TC LL	20.0 PSF	REF	R487-- 64304
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011049
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144074
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434 Frederick Perry Construct Lender , ** CJ1 1' Jack)

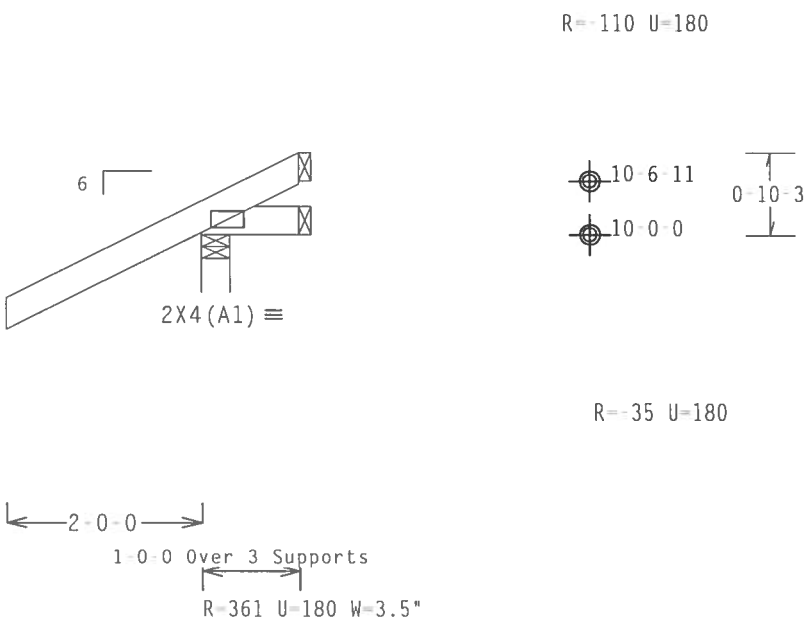
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:14 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certific orization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64305
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011064
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144059
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

(6 434 Frederick Perry Construct Lender , ** HJ7 9'10"13 Hip Jack Girder)

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

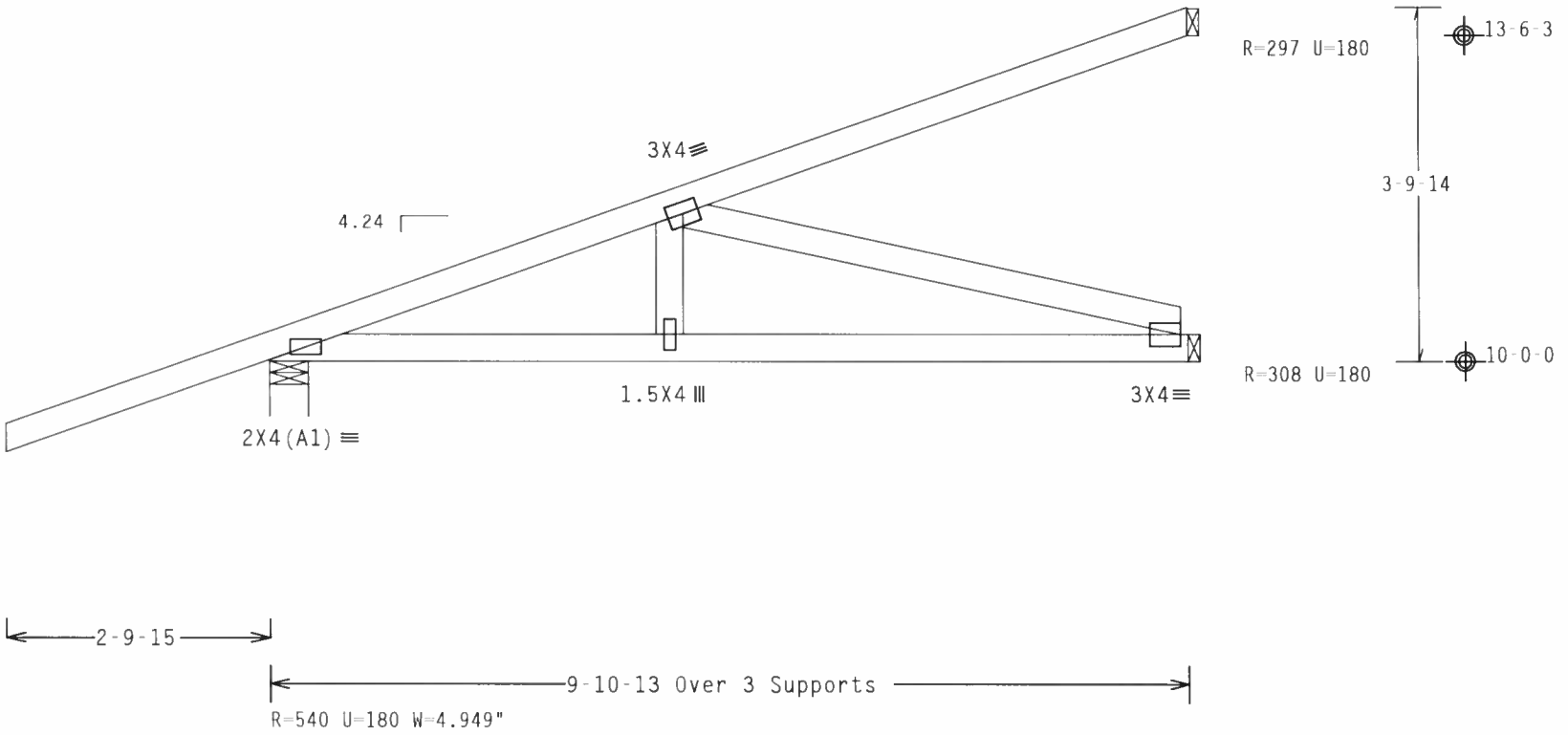
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Provide (3) 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:6 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64306
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011058
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN-	144056
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434 Frederick Perry Construct Lender -- , ** - CJ3 3' Jack)

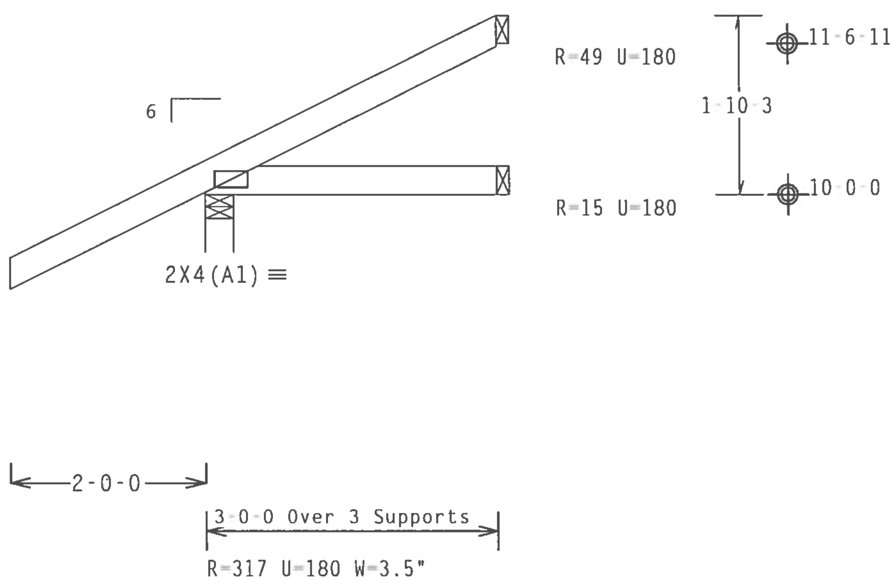
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 ... QTY:12 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # ...

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) 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.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Jan 11 '07

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-- 64307
DATE	01/11/07
DRW	HCUSR487 07011063
HC-ENG	JB/AF *
SEQN-	144062
JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - CJ5 5' Jack)

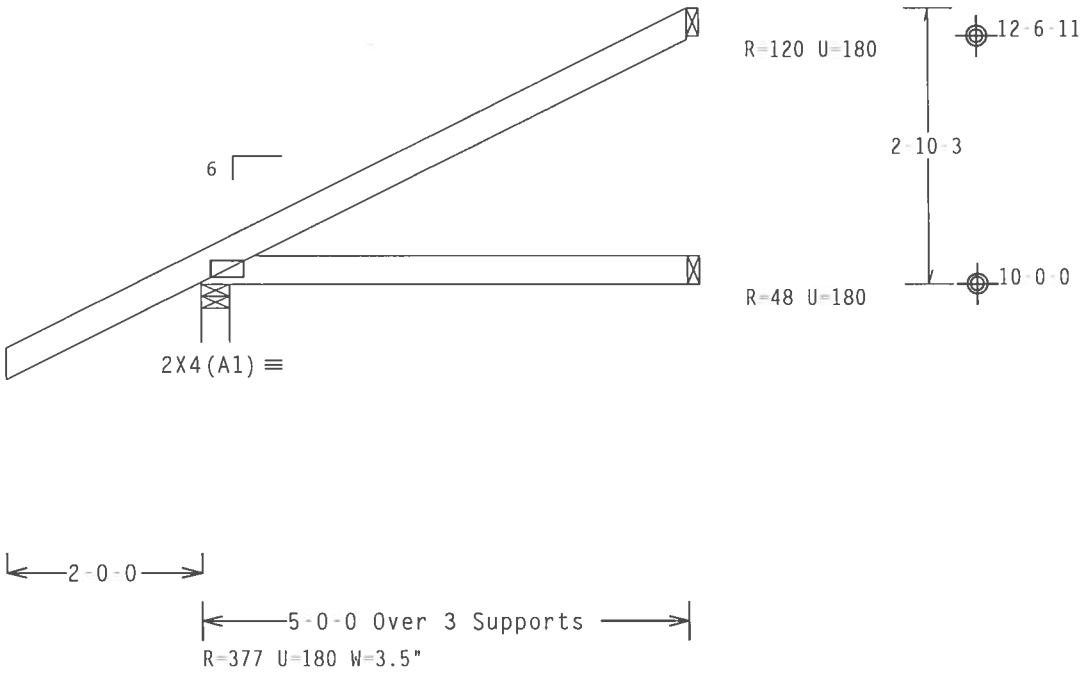
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] QTY:12 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan [illegible]07

TC LL	20.0 PSF	REF	R487-- 64308
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011062
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	144065
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - EJ7 7' End Jack)

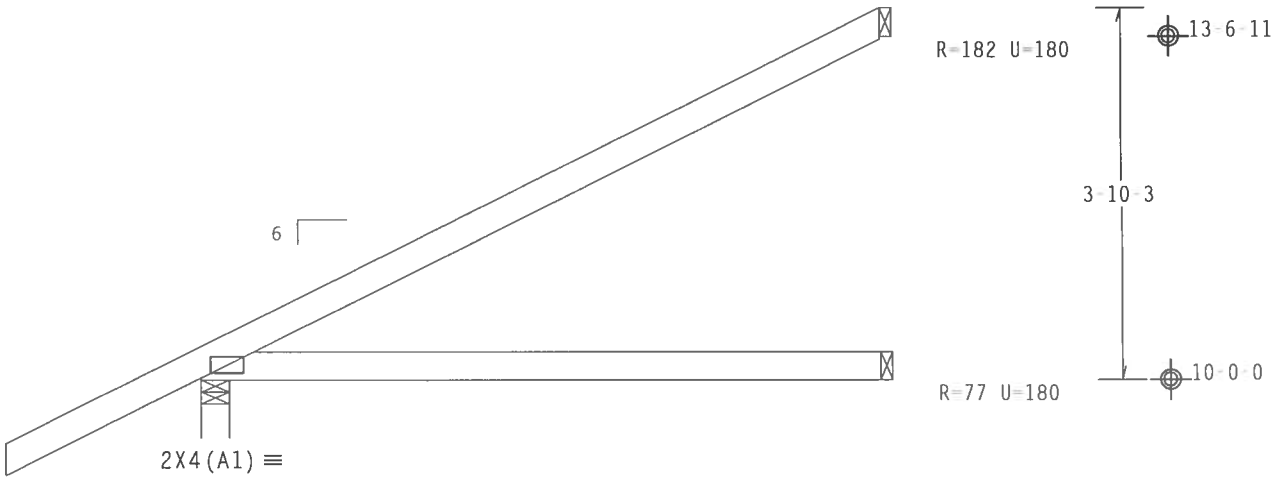
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

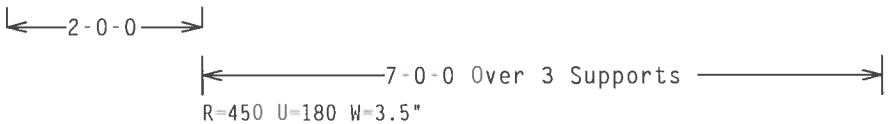
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:28 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certifica orization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64309
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011065
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	144068
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434 -Frederick Perry Construct Lender - - , ** - EJ7A 7' End Jack)

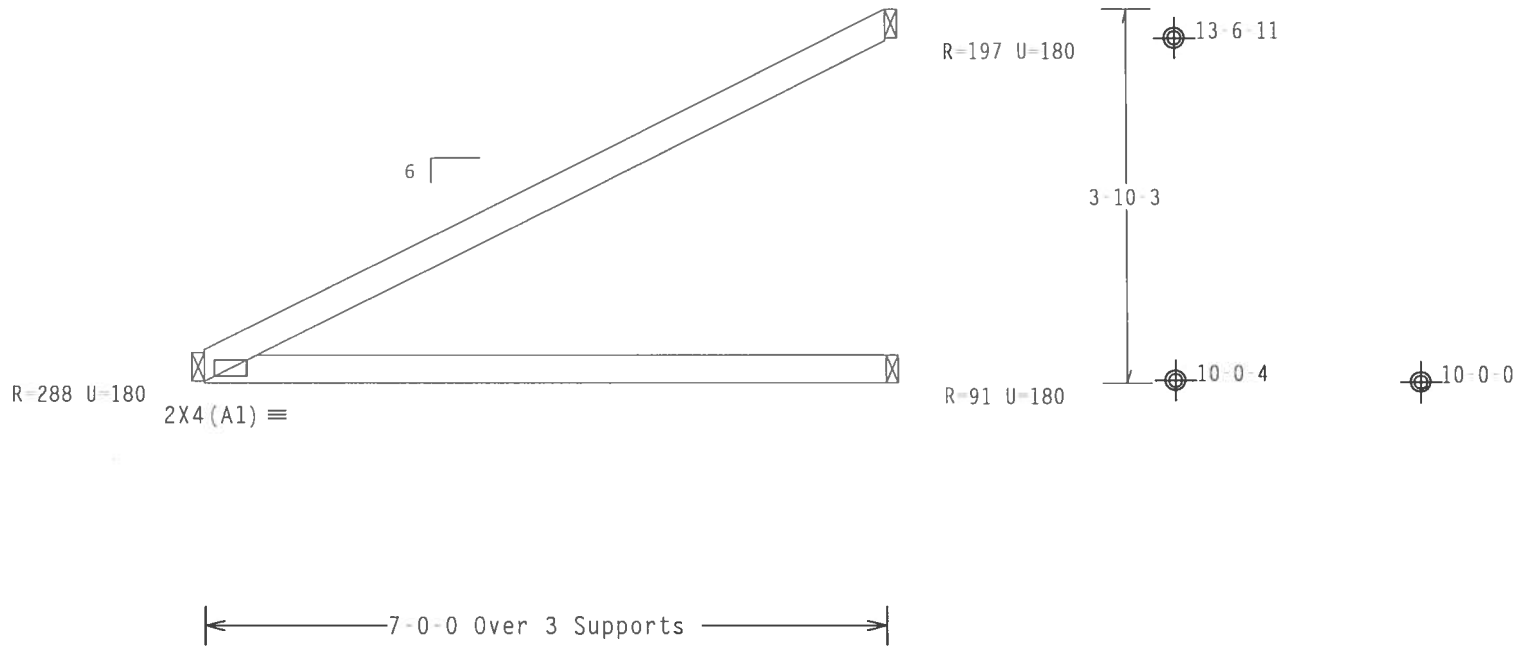
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.26.06 TY:9 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11,07

TC LL	20.0 PSF	REF	R487-- 64310
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011039
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	14085
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - EJ7B 7' End Jack)

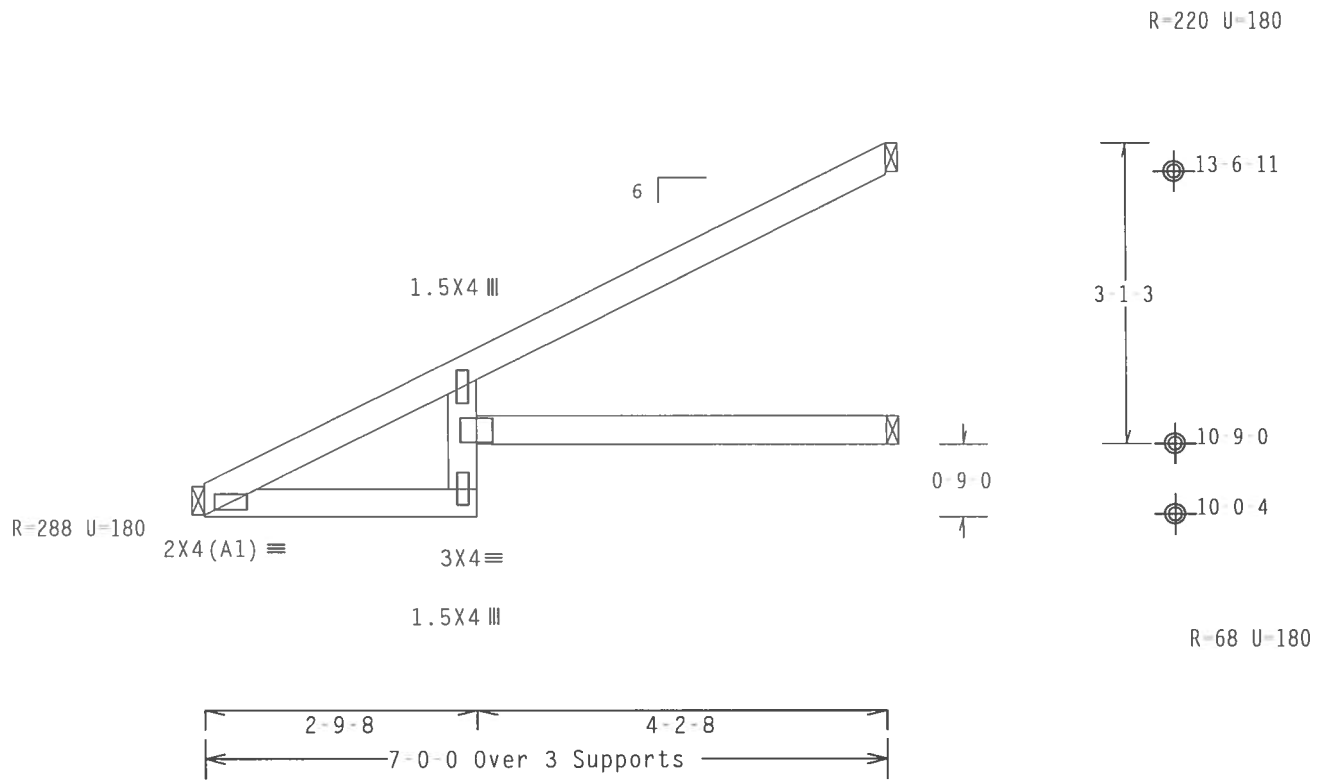
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:4 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificat... orization ...

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64311
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011050
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144117
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

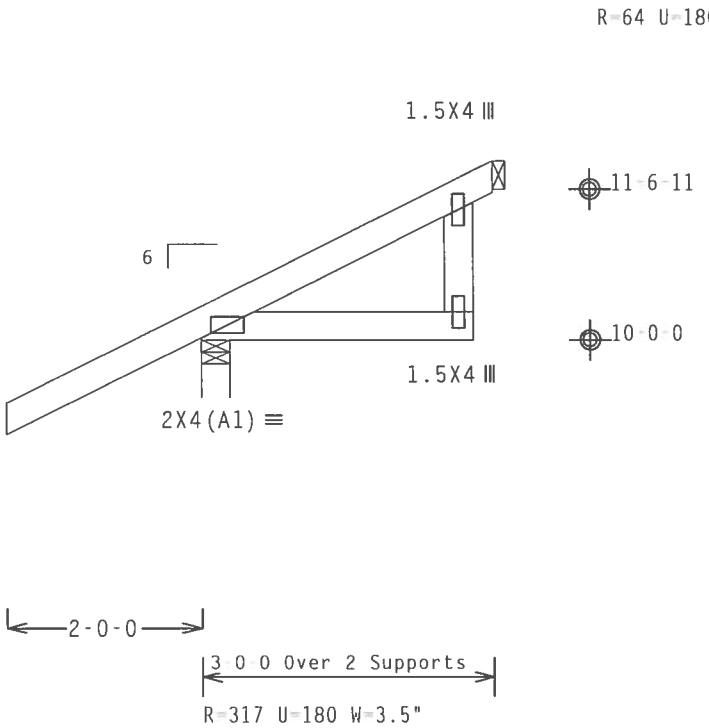
(6-434 -Frederick Perry Construct Lender -- , ** - CJ3A 3' Jack)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.26.0[illegible] QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Fl Certifica[illegible]nization"

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64312
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011055
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	14139
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6 434 Frederick Perry Construct Lender , ** HJ7A 9'10"13 Hip Jack Girder)

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

Wind reactions based on MWFRS pressures.

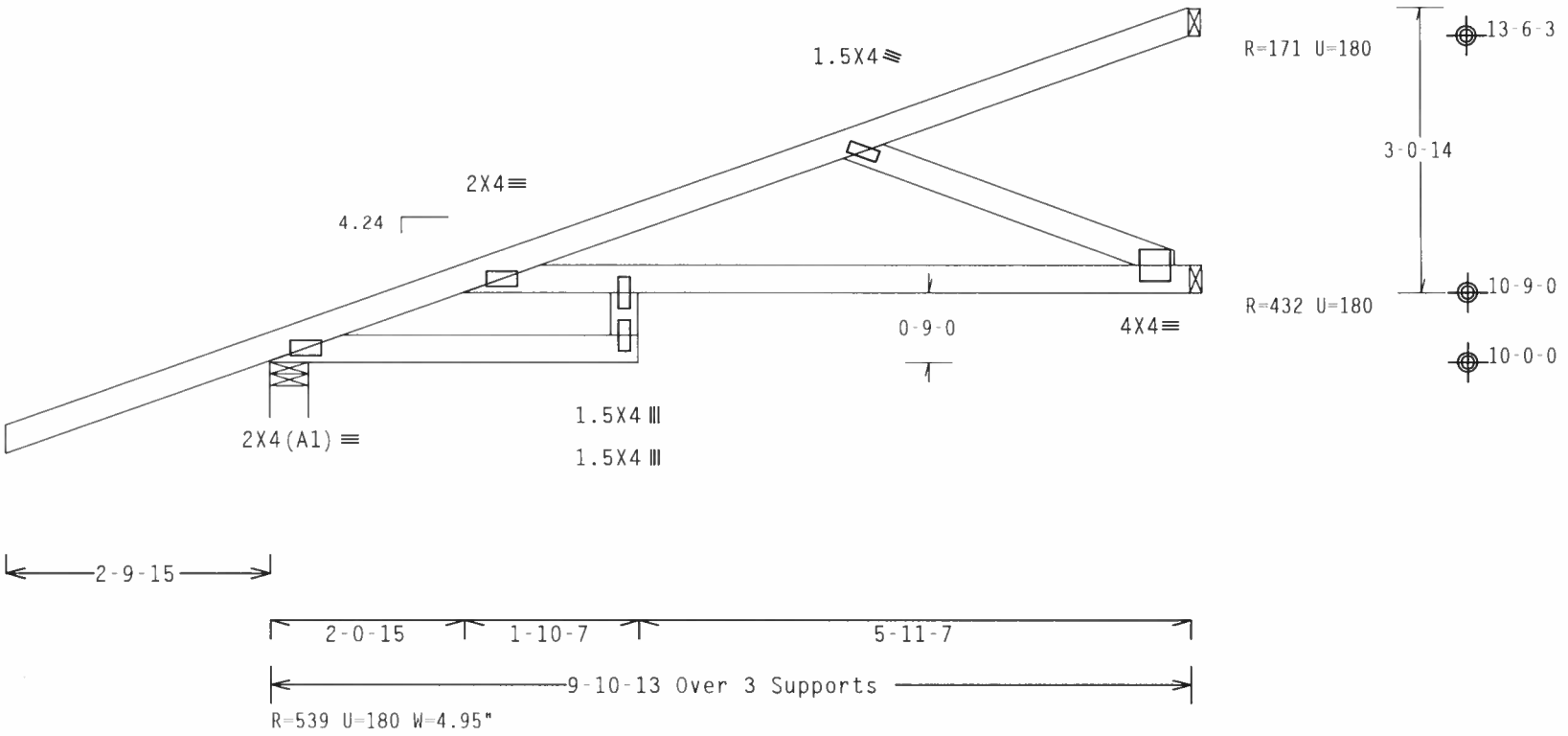
Deflection meets L/240 live and L/180 total load.

SEE DWGS TCFILLER1106 AND BCFILLER1106 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER
AT 24" O.C,AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL
BRACE AT CHORD ENDS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 7-0-0 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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.26.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64313
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011051
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN-	14274
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - CJ5A 5' Jack)

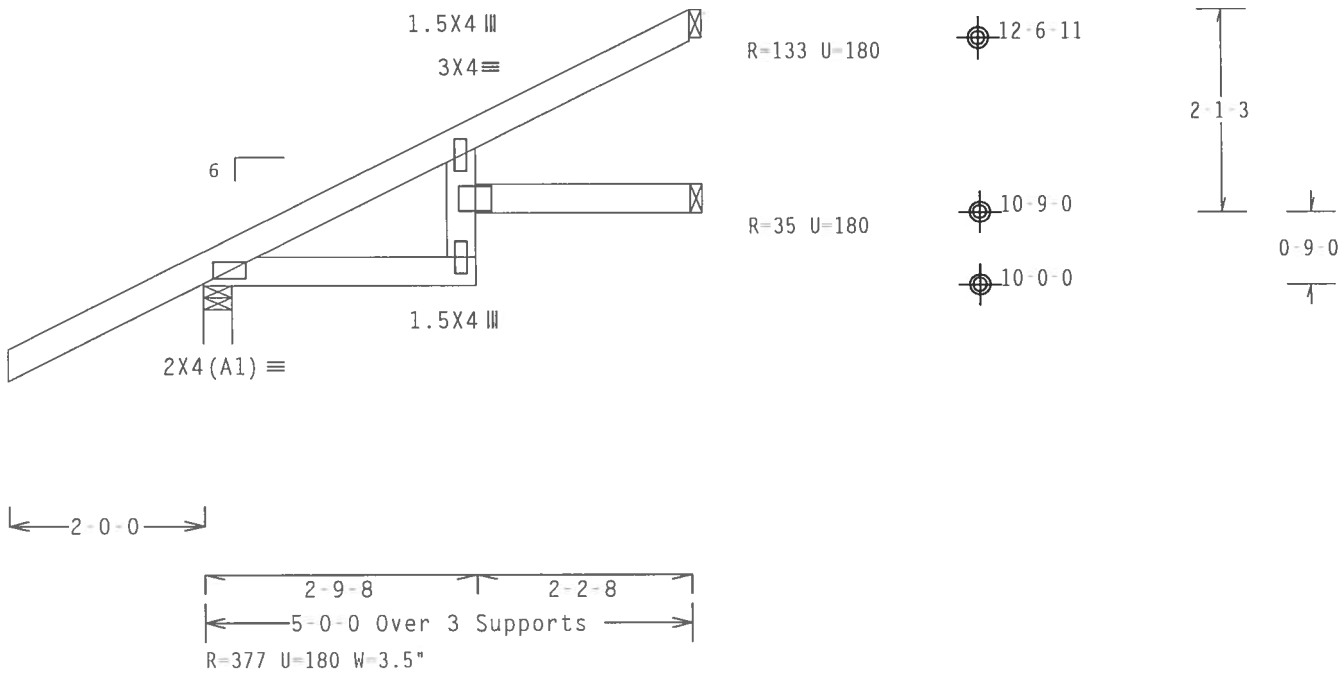
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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. ITW BUILDING COMPONENTS GROUP, 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/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) 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.

ARTHUR R. FISHER LICENSE No.69687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 17 '07

TC LL	20.0 PSF	REF	R487-- 64314
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011053
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	144120
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434 -Frederick Perry Construct Lender - - , ** - CJ5B 5' Jack)

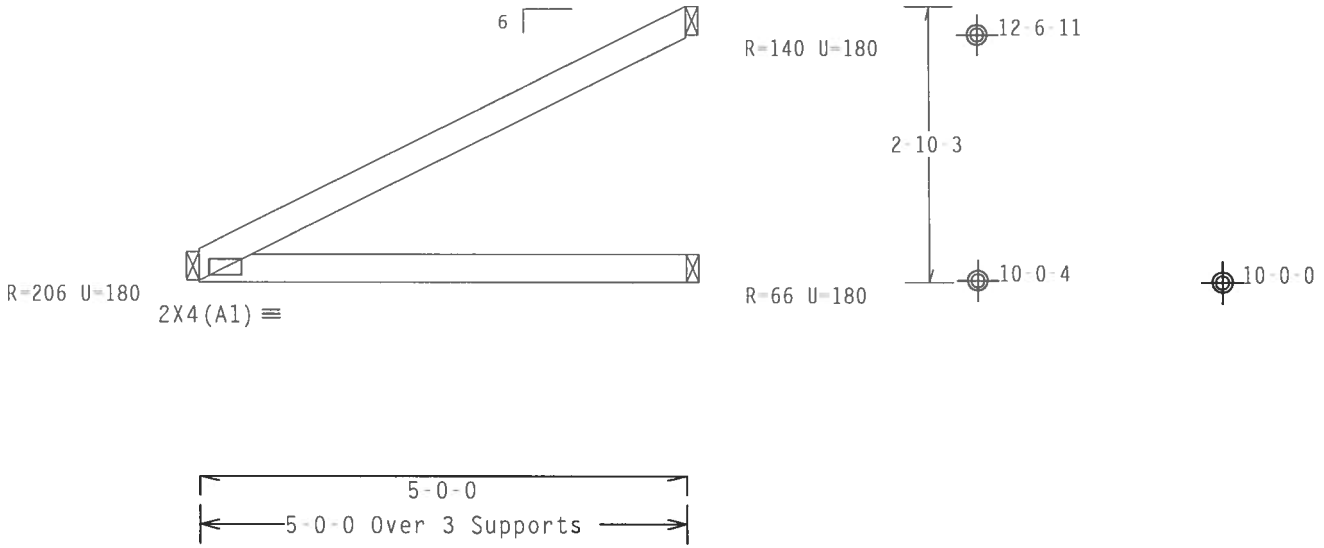
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.26.0[illegible] TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certific[illegible]orization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64315
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011061
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 14158
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - HJ7Z)

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

Wind reactions based on MWFRS pressures.

Sub-fascia beam assumptions: 9-0-0 sub-fascia beam on the 2-0-0 cantilever side. 9-0-0 sub-fascia beam on the 2-0-0 cantilever side.

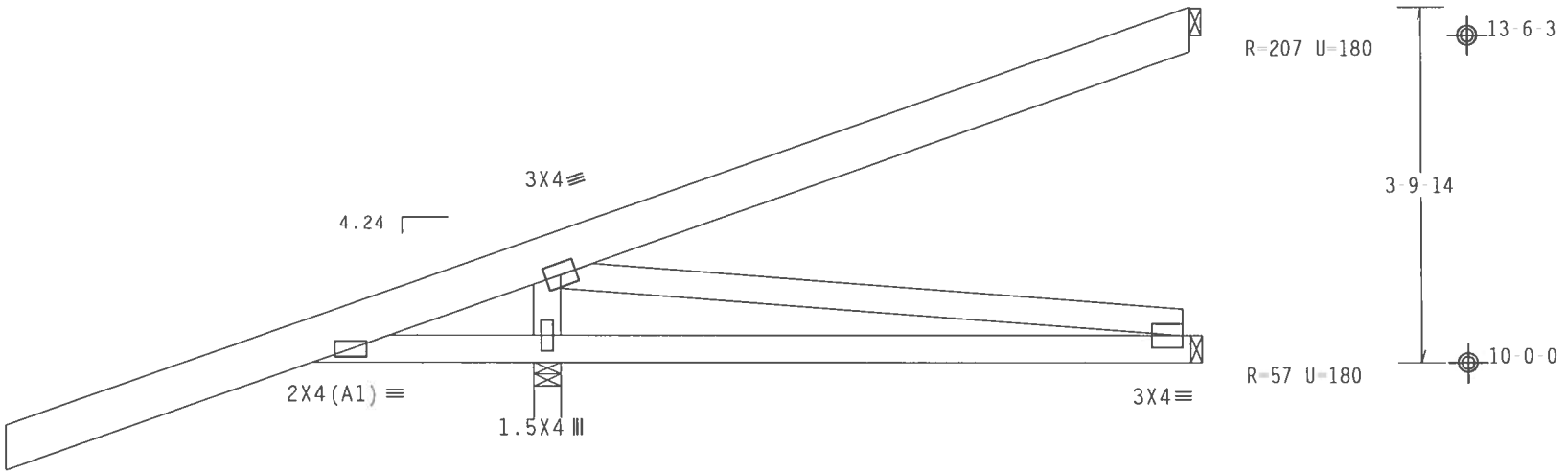
Hipjack supports 7-0-0 setback jacks with 2-0-0 cantilever one face; 2-0-0 cantilever opposite face.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

The following trusses need concentrated loads at the end of their overhangs: 7-0-0 span/setback member on the 2-0-0 cant side requires 198 lbs and the 7-0-0 span/setback member on the 2-0-0 cant side requires 198 lbs.

Deflection meets L/240 live and L/180 total load.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certific... ...orization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64316
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011057
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144132
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

(6-434--Frederick Perry Construct Lender -- , ** - CJ1Z 1' Jack)

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

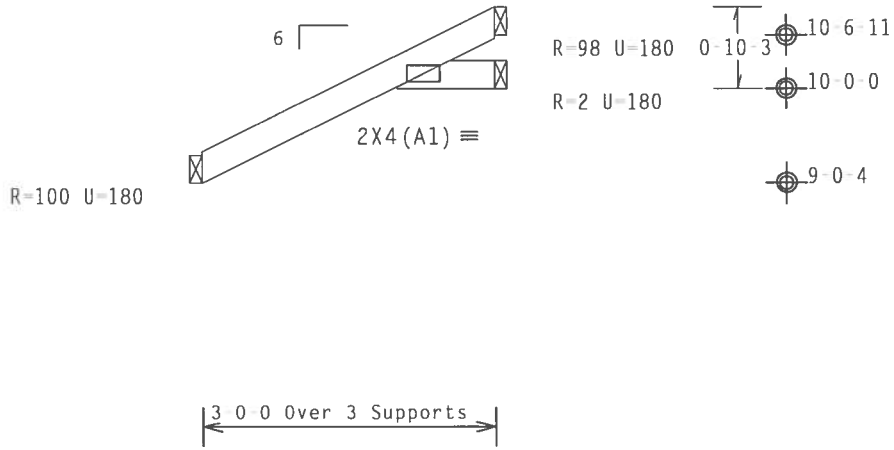
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -2.00 to 62 PLF at 1.00
BC - From 4 PLF at -2.00 to 4 PLF at 1.00

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 KEY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF	R487-- 64317
TC DL	10.0 PSF	DATE	01/11/07
BC DL	10.0 PSF	DRW	HCUSR487 07011060
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144139
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T3X487_Z03

(6-434 Frederick Perry Construct Lender -- , ** - CJ3Z 3' Jack)

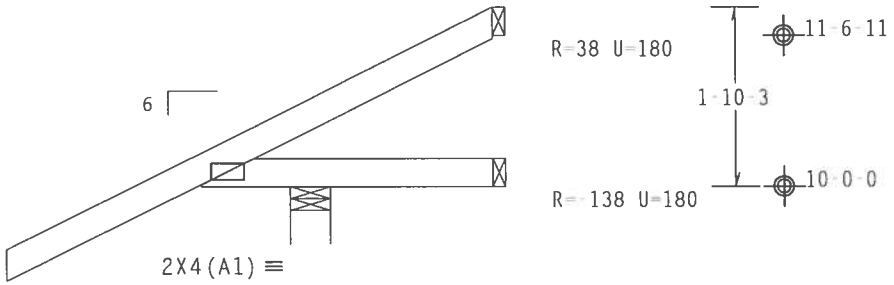
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

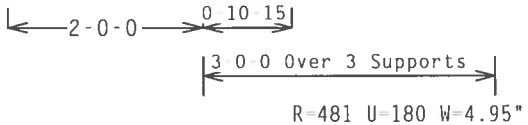
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible] QTY:2 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64318
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011059
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144142
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

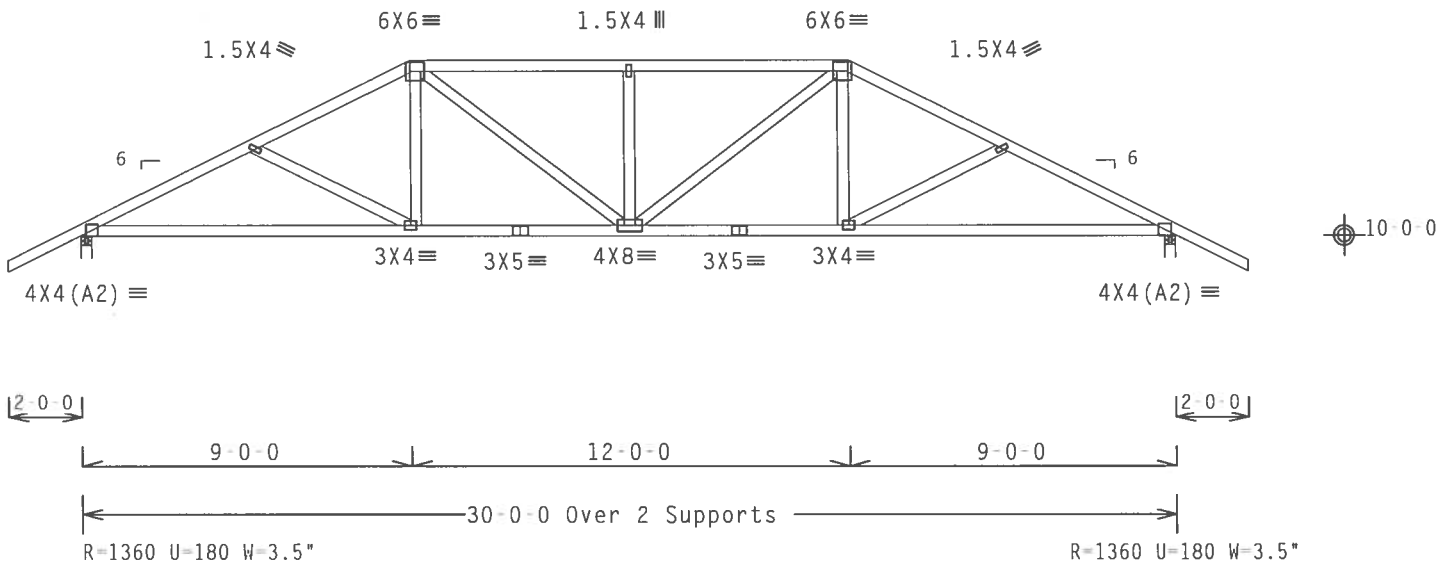
(6-434--Frederick Perry Construct Lender -- , ** - B2 30' Special)

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

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certifica nization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 11 '07

TC LL	20.0 PSF	REF R487-- 64319
TC DL	10.0 PSF	DATE 01/11/07
BC DL	10.0 PSF	DRW HCUSR487 07011036
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 144083
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T3X487_Z03

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.

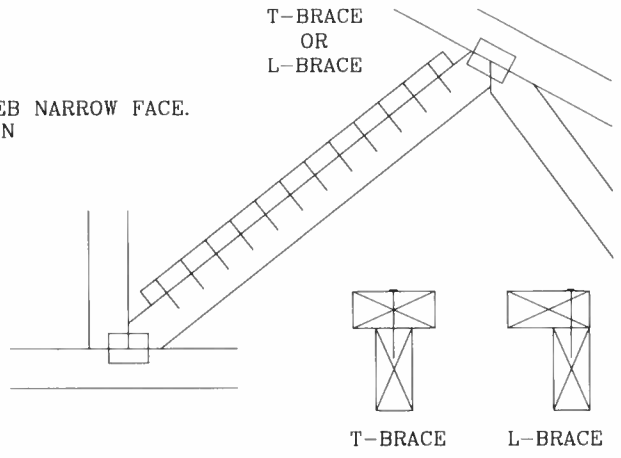
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

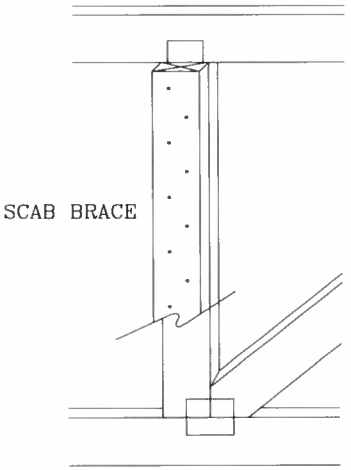
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) 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 BOX OR GUN (0.128"x 3.",MIN) 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

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 1

TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 11/1/06
BC DL	PSF	DRWG BRCLBSUB1106
BC LL	PSF	-ENG MLH/KAR
TOT. LD.	PSF	
DUR. FAC.		
SPACING		