ITW Building Components Group, Inc.

Now One

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T4G487-Z0131082444

Truss Fabricator:	Anderson Truss Company
Job Identification:	6-395--Stanley Crawford Construc WILMOTH -- , **
Truss Count:	56
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 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 - 32.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 01/31/2007

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

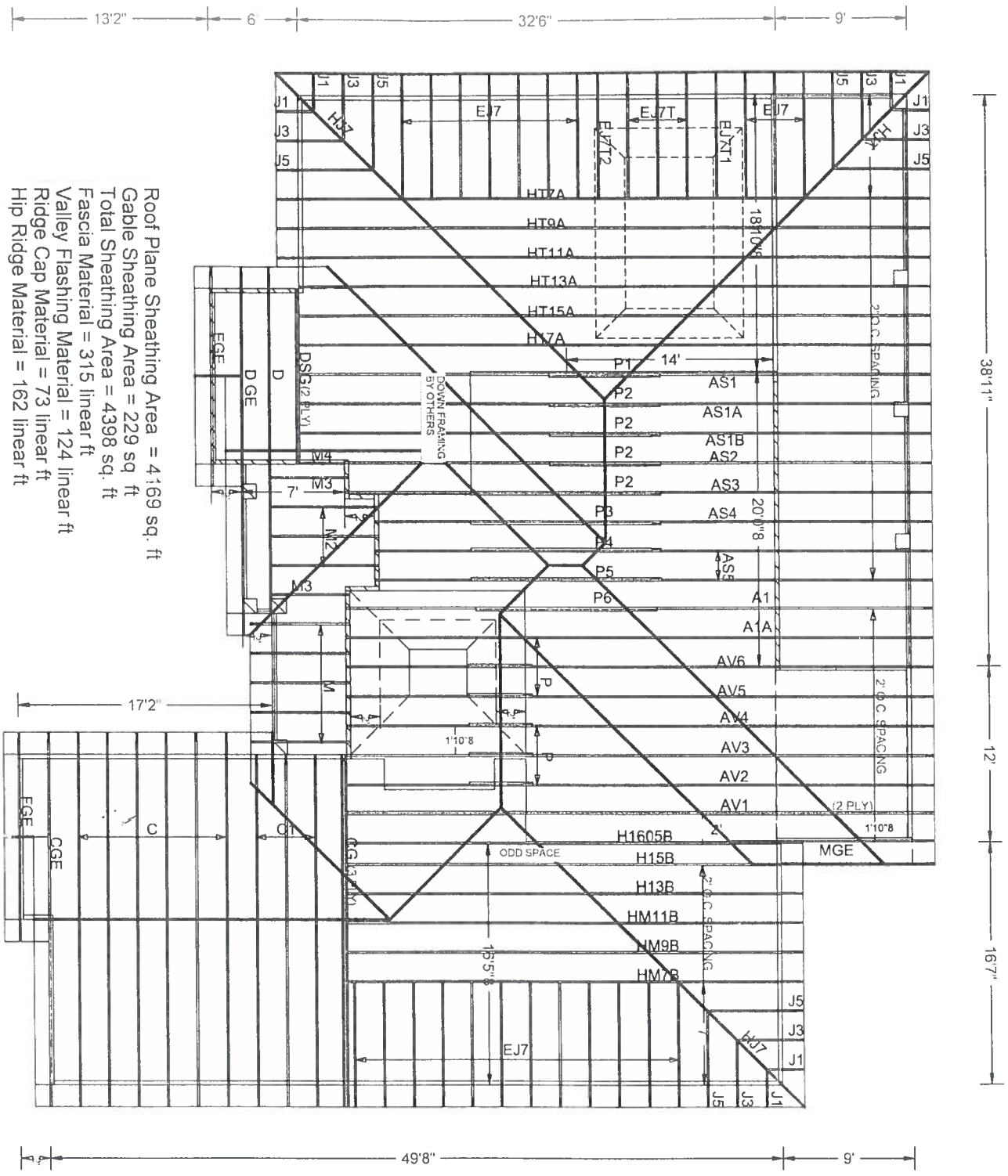
Notes:

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-A11015EE-GBLLETIN-MAX DEAD LOAD-

#	Ref	Description	Drawing#	Date
1	93369	--HT15A	07030001	01/30/07
2	93370	--H17A	07030036	01/30/07
3	93371	--AS1	07030002	01/30/07
4	93372	--AS1A	07030003	01/30/07
5	93373	--AS1B	07030004	01/30/07
6	93374	--AS2	07030005	01/30/07
7	93375	--AS3	07030006	01/30/07
8	93376	--AS4	07030007	01/30/07
9	93377	--AS5	07030008	01/30/07
10	93378	--A1	07030009	01/30/07
11	93379	--AV1	07030010	01/30/07
12	93380	--AV2	07030011	01/30/07
13	93381	--AV3	07030012	01/30/07
14	93382	--AV4	07030013	01/30/07
15	93383	--AV5	07030014	01/30/07
16	93384	--AV6	07030015	01/30/07
17	93385	--A1A	07030016	01/30/07
18	93386	--HT7A	07030030	01/30/07
19	93387	--HT9A	07030008	01/30/07
20	93388	--HT11A	07030010	01/30/07
21	93389	--HT13A	07030009	01/30/07
22	93390	--HM7B	07030018	01/30/07
23	93391	--HM9B	07030019	01/30/07
24	93392	--HM11B	07030020	01/30/07
25	93393	--H13B	07030017	01/30/07
26	93394	--H15B	07030018	01/30/07
27	93395	--H1605B	07030019	01/30/07
28	93396	--CGE	07030007	01/30/07
29	93397	--C	07030013	01/30/07
30	93398	--C1	07030017	01/30/07
31	93399	--CG	07030031	01/30/07
32	93400	--DSG	07030032	01/30/07
33	93401	--D GE	07030033	01/30/07
34	93402	--D	07030034	01/30/07
35	93403	--EGE	07030035	01/30/07
36	93404	--FGE	07030001	01/30/07
37	93405	--HJ7	07030002	01/30/07
38	93406	--EJ7	07030006	01/30/07
39	93407	--EJ7T	07030014	01/30/07
40	93408	--EJ7T1	07030012	01/30/07
41	93409	--EJ7T2	07030015	01/30/07
42	93410	--J5	07030003	01/30/07
43	93411	--J3	07030004	01/30/07
44	93412	--J1	07030005	01/30/07
45	93413	--M4	07030011	01/30/07
46	93414	--MGE	07030016	01/30/07
47	93415	--M3	07030020	01/30/07
48	93416	--M2	07030021	01/30/07
49	93417	--M	07030022	01/30/07
50	93418	--P2	07030023	01/30/07
51	93419	--P	07030024	01/30/07
52	93420	--P1	07030025	01/30/07
53	93421	--P3	07030026	01/30/07
54	93422	--P4	07030027	01/30/07
55	93423	--P5	07030028	01/30/07
56	93424	--P6	07030029	01/30/07

25417



Roof Plane Sheathing Area = 4169 sq. ft
Gable Sheathing Area = 229 sq ft
Total Sheathing Area = 4398 sq. ft
Fascia Material = 315 linear ft
Valley Flashing Material = 124 linear ft
Ridge Cap Material = 73 linear ft
Hip Ridge Material = 162 linear ft

13'2" | 12' | 10'2" | 9'7" | 11'3"8 | 11'3"8 | 22'7"

#6-395 STANLEY CRAWFORD CONSTRUCTION - WILMOTH
01/30/07 JFB

JOB DESCRIPTION:: Stanley Crawford Construc /: WILMOTH	JOB NO: 6-395	PAGE NO: 1 OF 1

(6 395--Stanley Crawford Construc WILMOTH -- , ** - HT15A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B6 2x6 SP #1 Dense:
Webs 2x4 SP #3

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

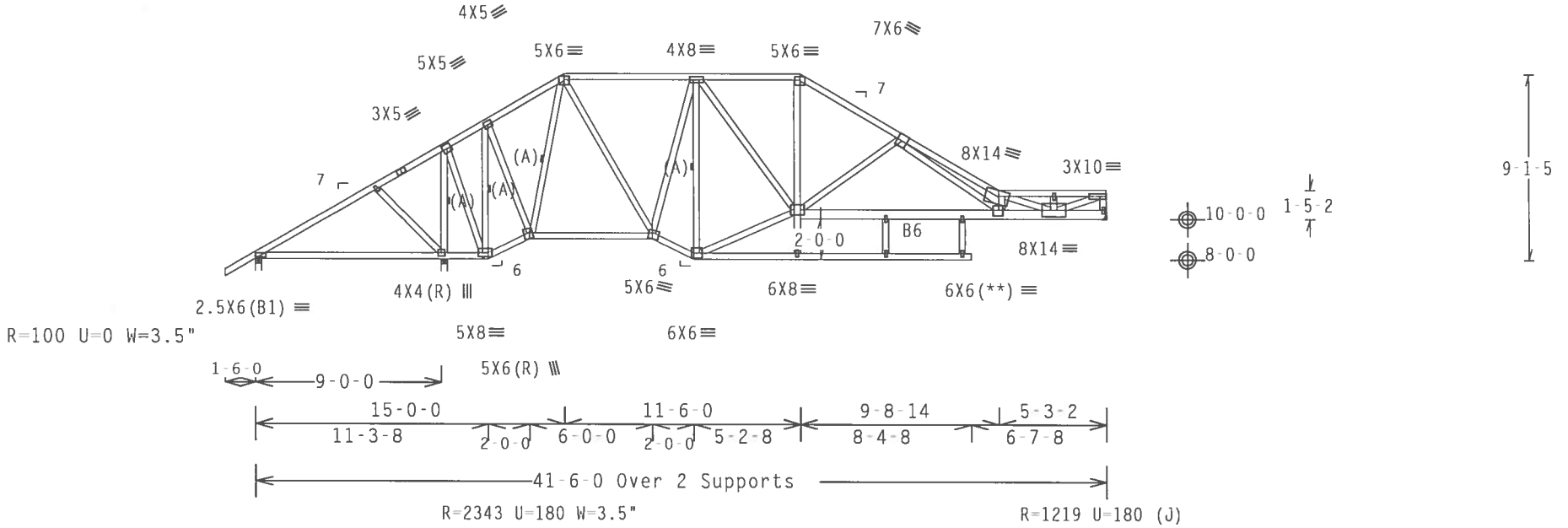
(A) Continuous lateral bracing equally spaced on member.

See detail BCFILLER1106 for bottom chord (BC) filler detail. Laterally brace BC above filler @ 24" o.c. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).

(**) 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. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 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.
Haines City, FL 33844
FL Certificate of Authorization # 567

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.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93369
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030001
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN- 149319
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

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

Wind reactions based on MWFRS pressures.

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

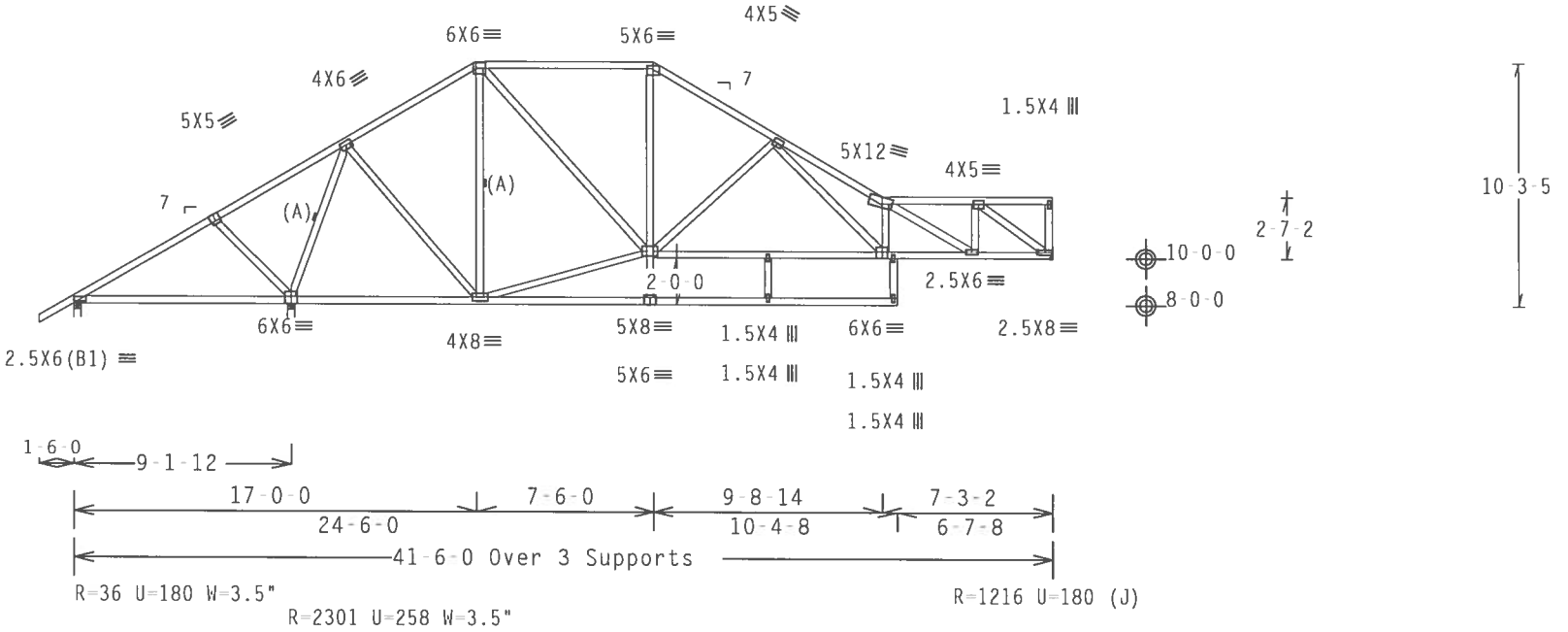
See detail BCFILLER1106 for bottom chord (BC) filler detail. Laterally brace BC above filler @ 24" o.c. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).

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.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 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 31 '07

TC LL	20.0 PSF	REF	R487-- 93370
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030036
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149323
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

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

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

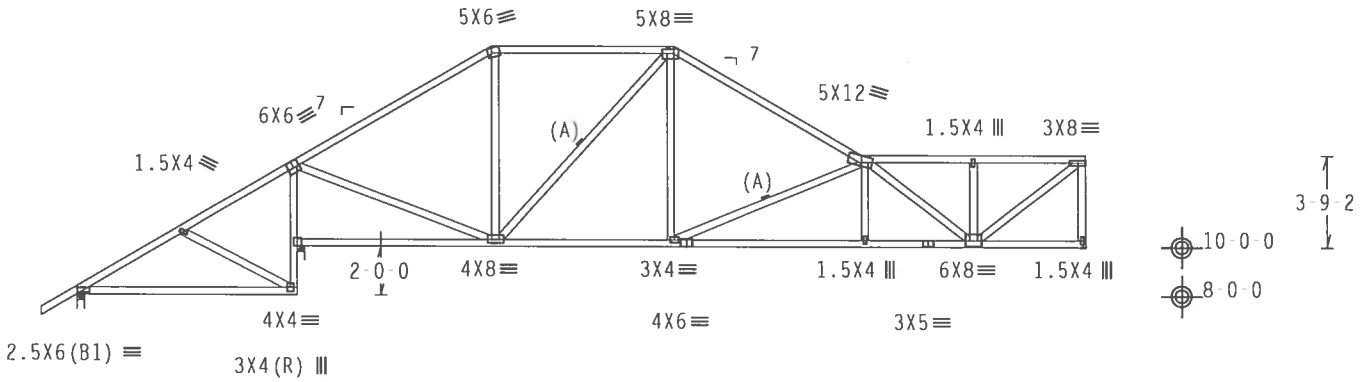
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

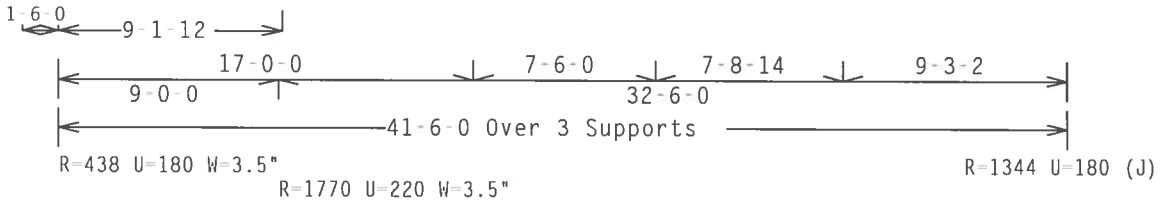
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.[illegible].10 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93371
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030002
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149308
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - AS1A)

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

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

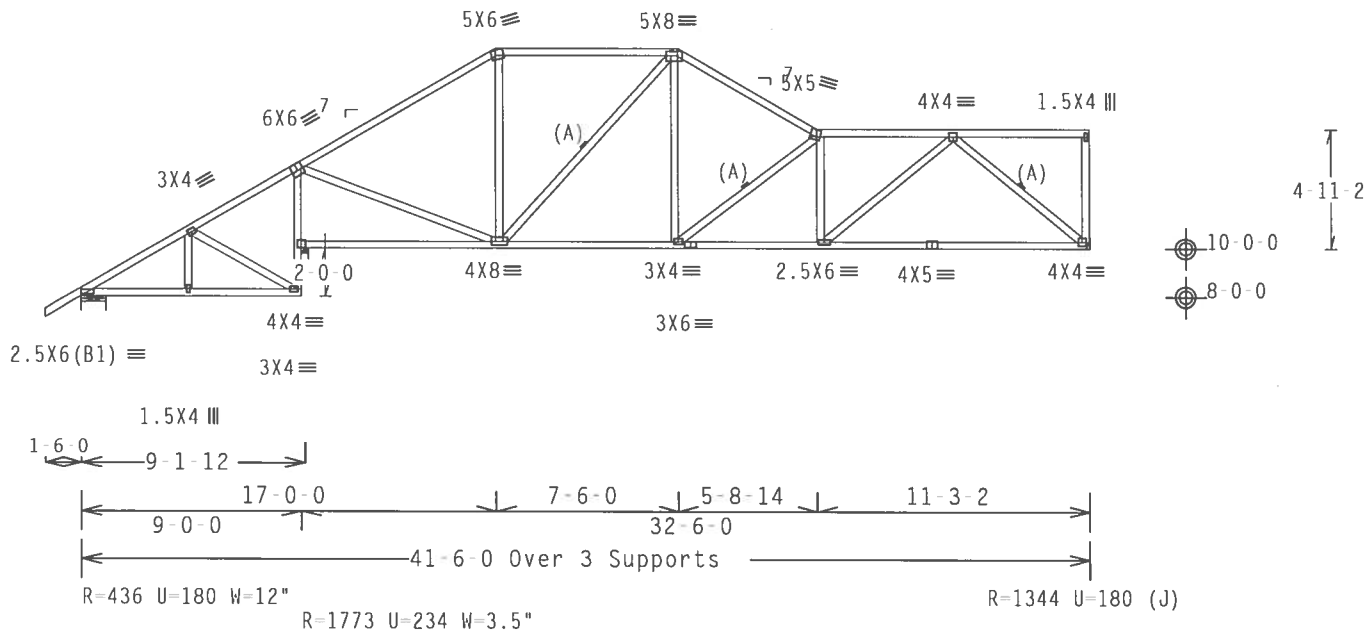
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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

TC LL	20.0 PSF	REF	R487-- 93372
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030003
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149312
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395--Stanley Crawford Construc WILMOTH -- , ** - AS1B)

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

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

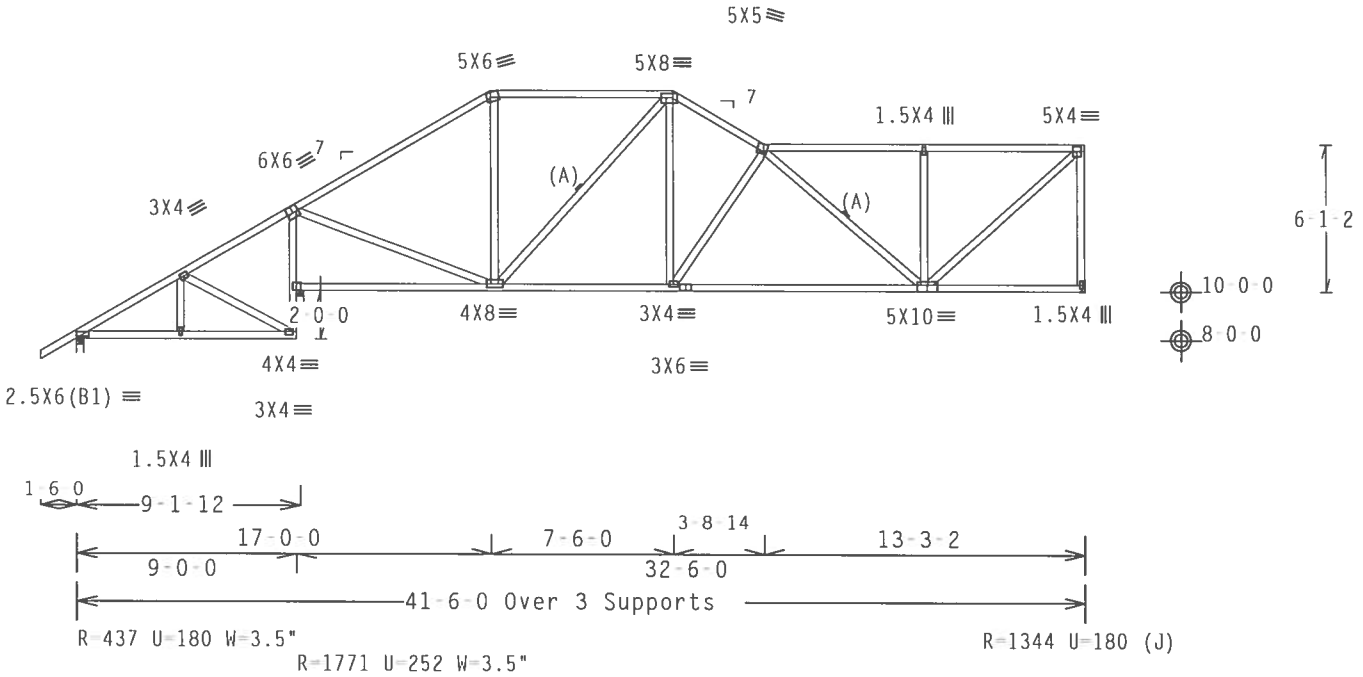
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
JAN 31 '07

TC LL	20.0 PSF	REF	R487-- 93373
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030004
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149316
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - AS2)

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

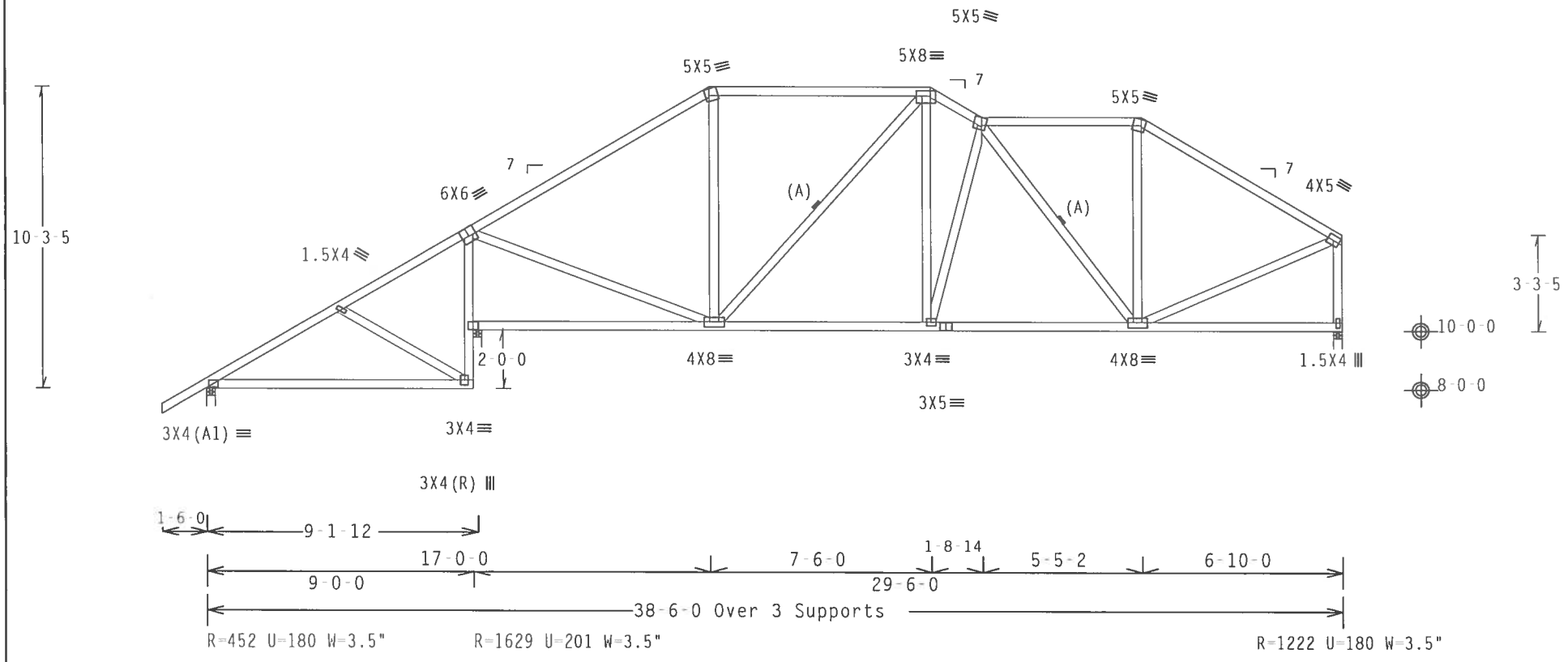
(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93374
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030005
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149328
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** AS3)

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

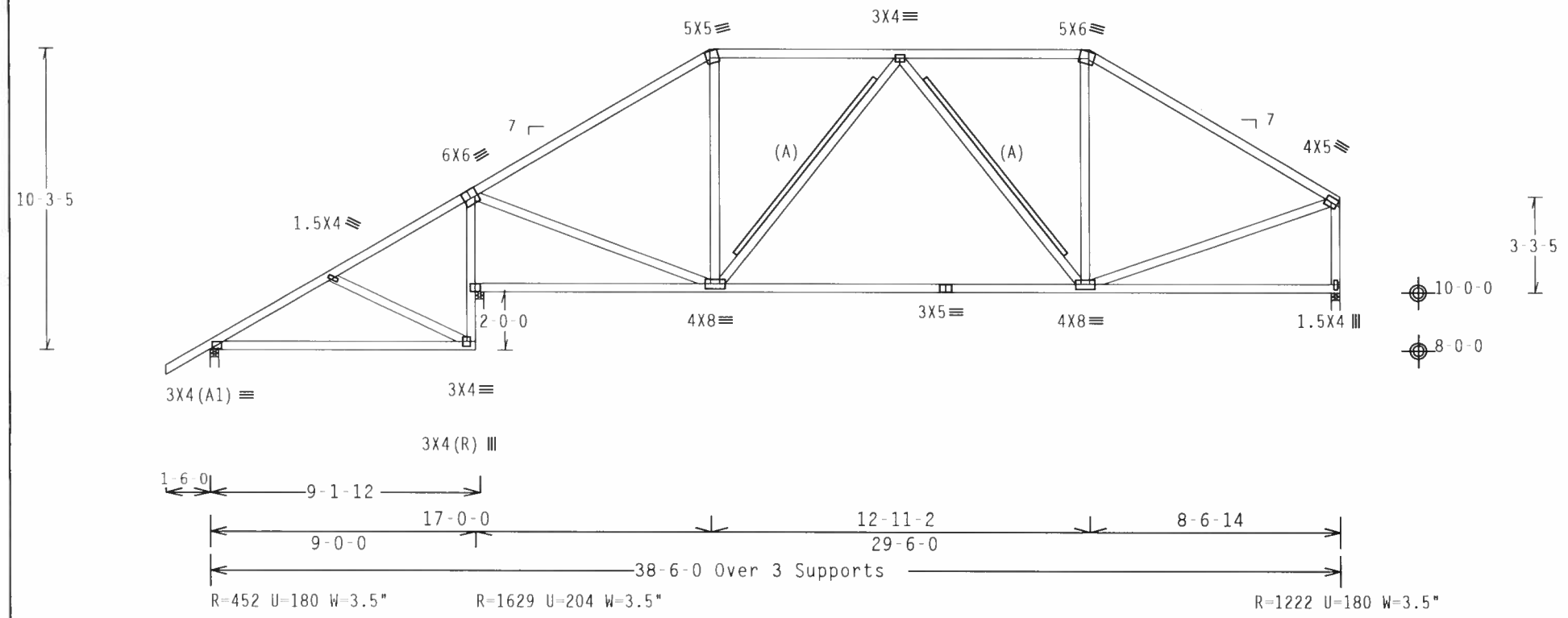
(A) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



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.

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93375
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030006
BC LL	0.0 PSF		HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149332
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

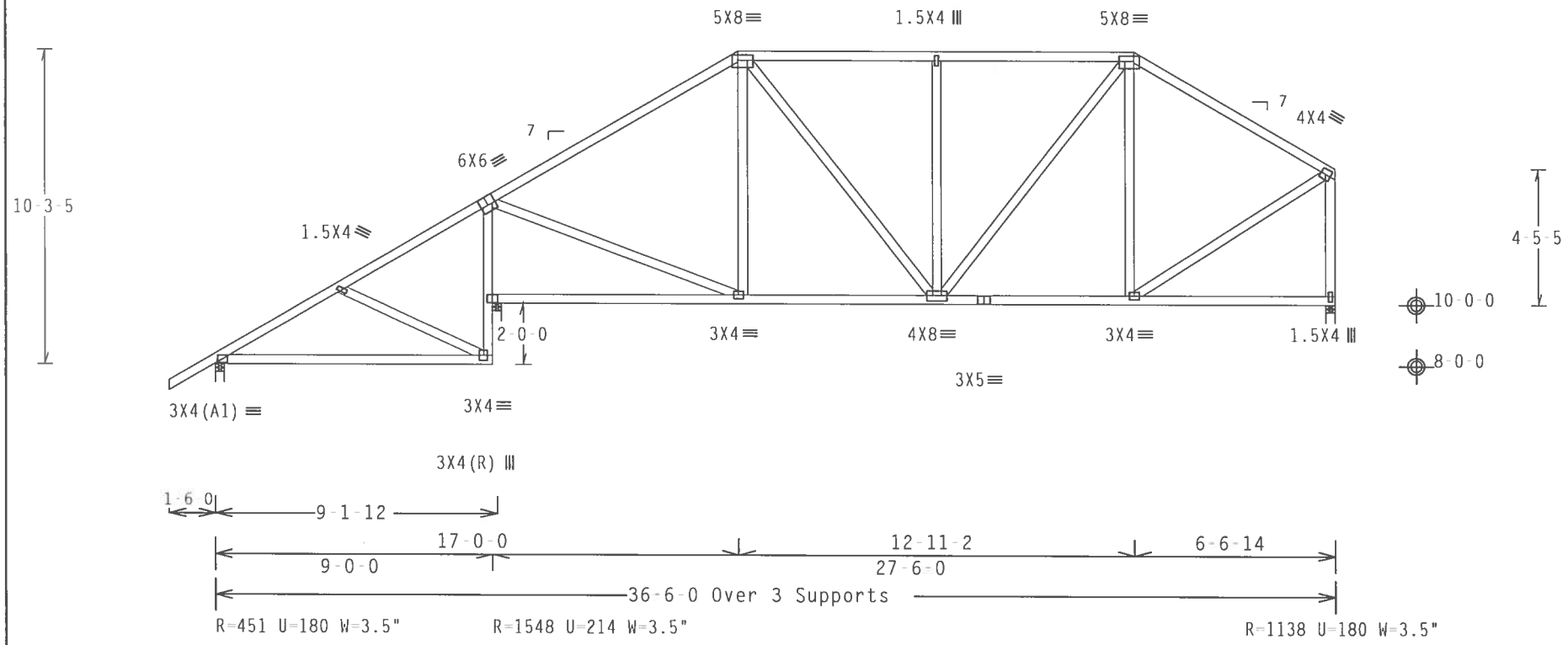
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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.
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ARTHUR R FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31, 07

TC LL	20.0 PSF	REF R487-- 93376
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030007
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN- 149337
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - AS5)

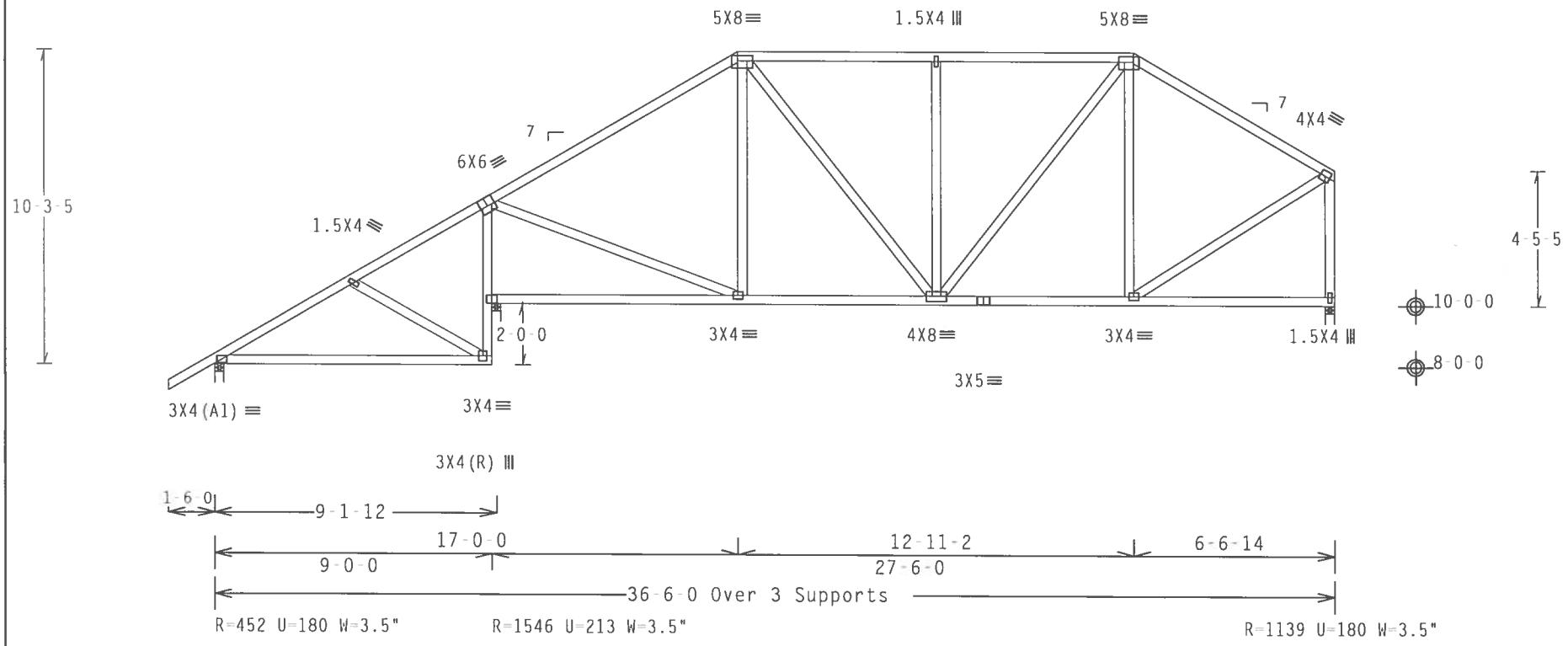
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93377
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030008
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149341
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

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

(6-395--Stanley Crawford Construc WILMOTH -- , ** - A1)

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

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

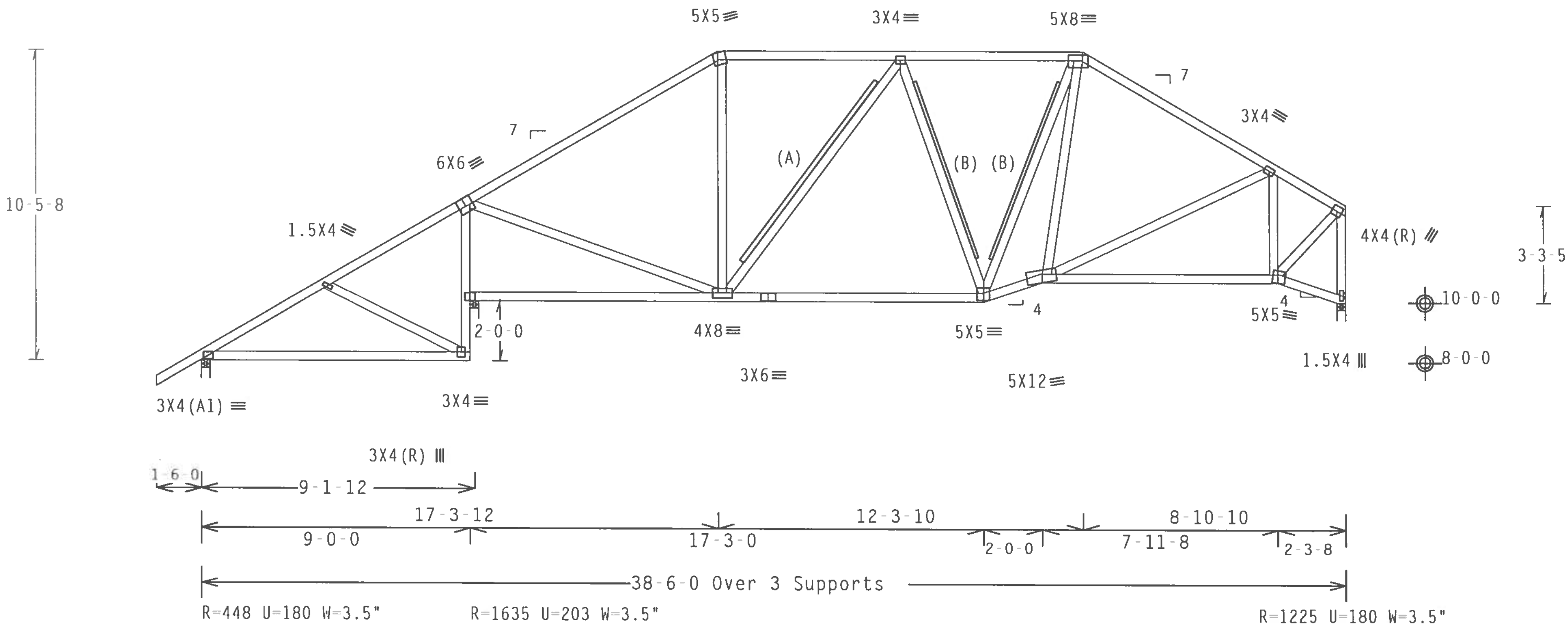
Shim all supports to solid bearing.

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

Right end vertical not exposed to wind pressure.

(A) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93378
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030009
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149347
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B2 2x6 SP #1 Dense:
:B4 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

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.

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

(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.66" due to live load and 1.05" due to dead load at X = 14-0-4.

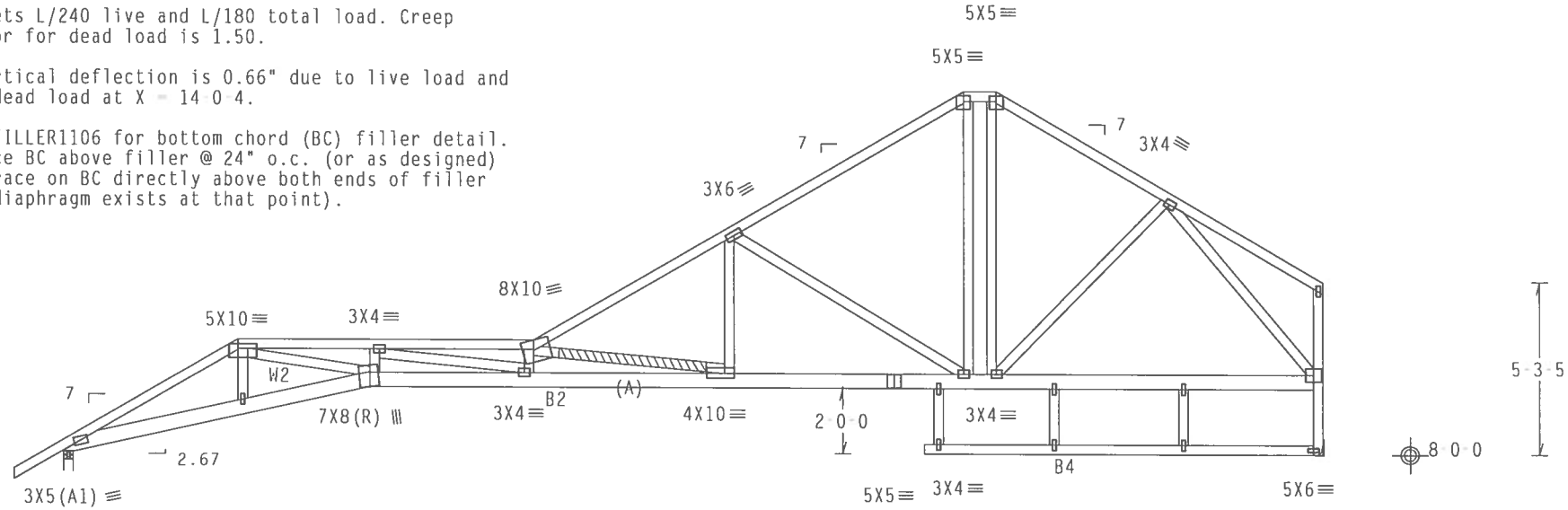
See detail BCFILLER1106 for bottom chord (BC) filler detail. Laterally brace BC above filler @ 24" o.c. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).

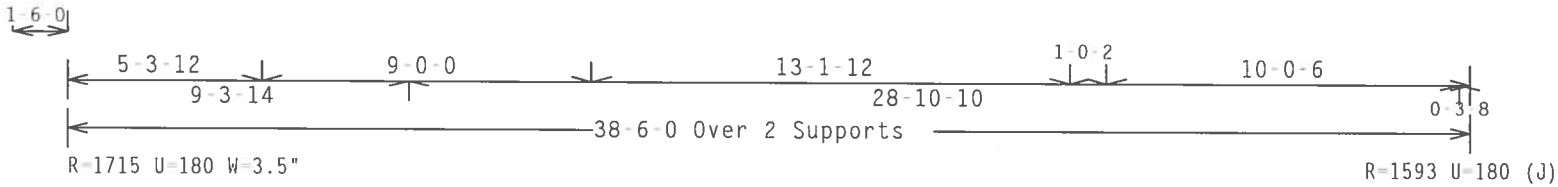
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

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





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

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Jan 31 07

TC LL	20.0 PSF	REF R487-- 93379
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030010
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN- 149413
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - AV2)

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.22" due to live load and 0.36" due to dead load.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

Calculated vertical deflection is 0.42" due to live load and 0.67" due to dead load at X = 16-0-4.

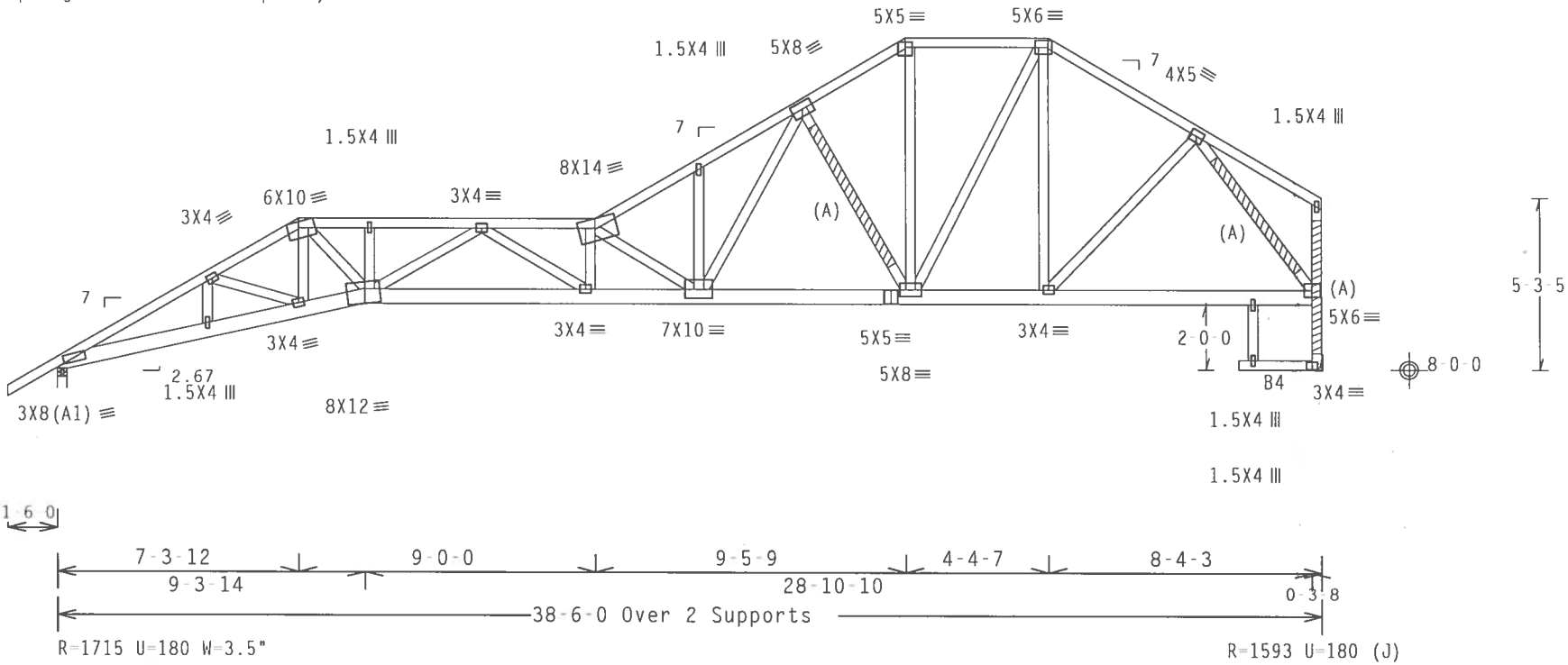
See detail BCFILLER1106 for bottom chord (BC) filler detail. Laterally brace BC above filler @ 24" o.c. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).

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.

Right end vertical not exposed to wind pressure.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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

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ARTHUR R. FISHER LICENSE No.59697 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93380
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030011
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149429
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** AV3)

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.12" due to live load and 0.20" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

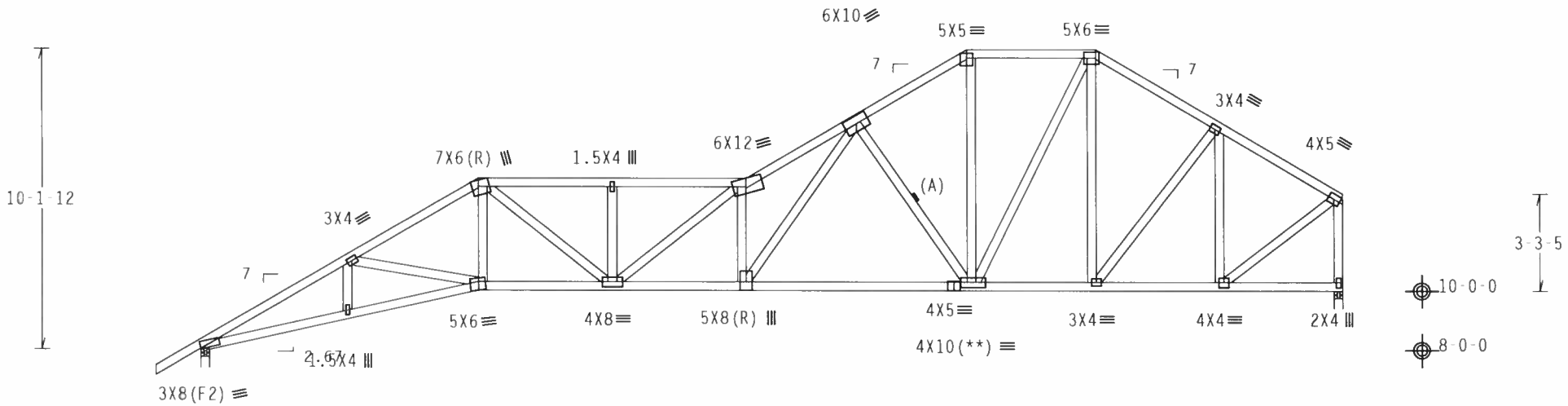
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

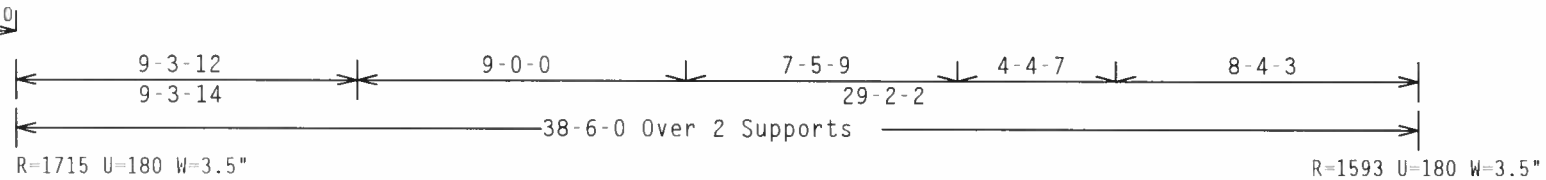
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible] TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93381
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030012
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149433
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395--Stanley Crawford Construc WILMOTH -- , ** - AV4)

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.12" due to live load and 0.19" due to dead load.

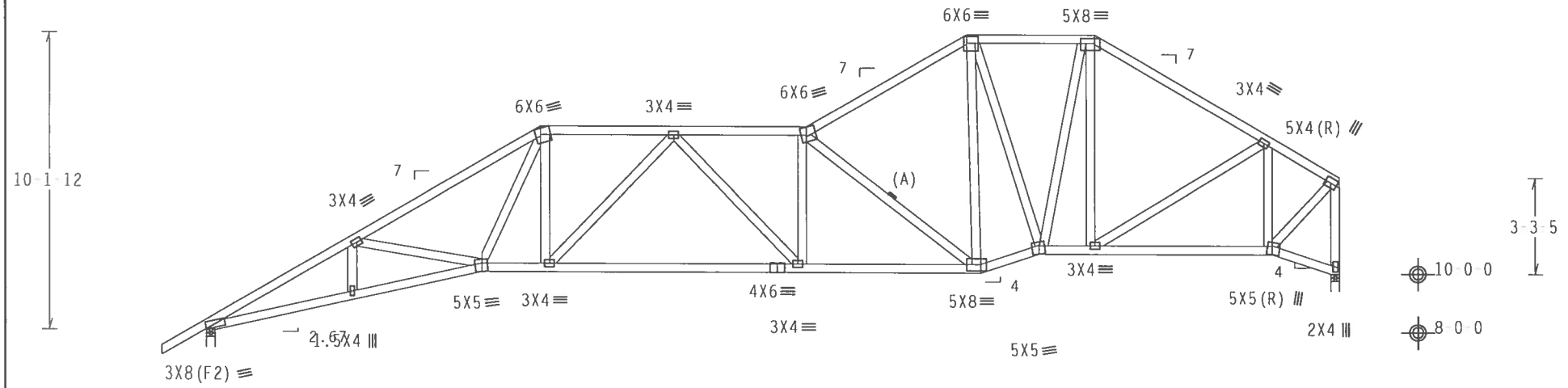
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

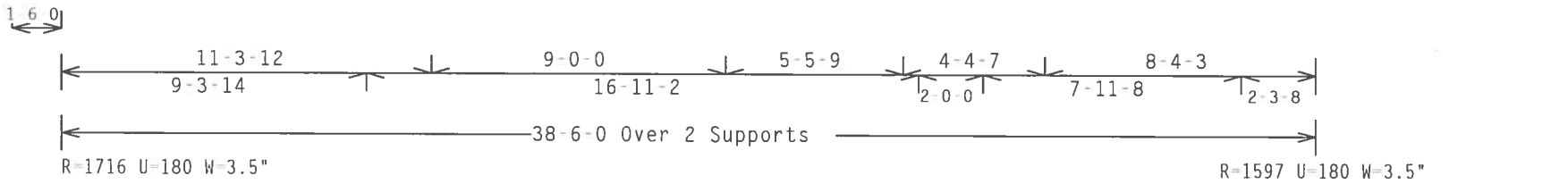
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
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.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93382
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030013
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149437
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

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

Wind reactions based on MWFRS pressures.

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

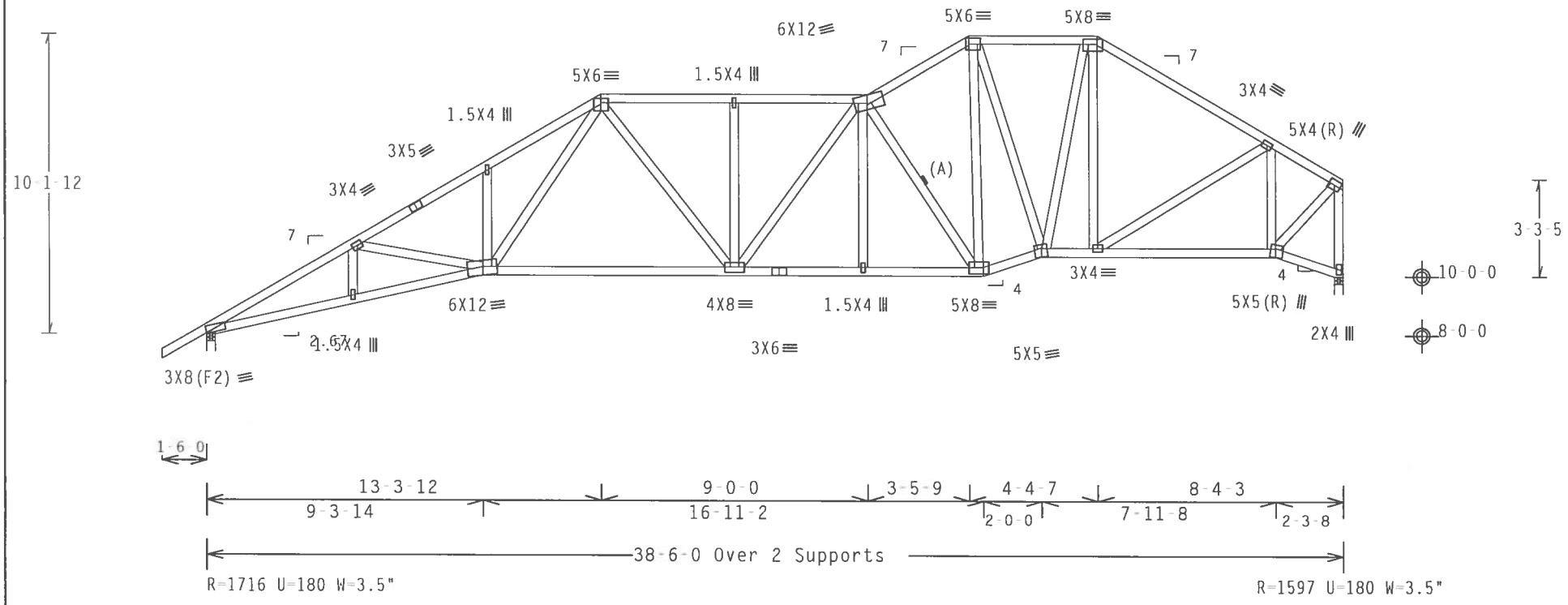
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

Scale =.1875"/Ft.

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ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93383
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030014
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149441
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - AV6)

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.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

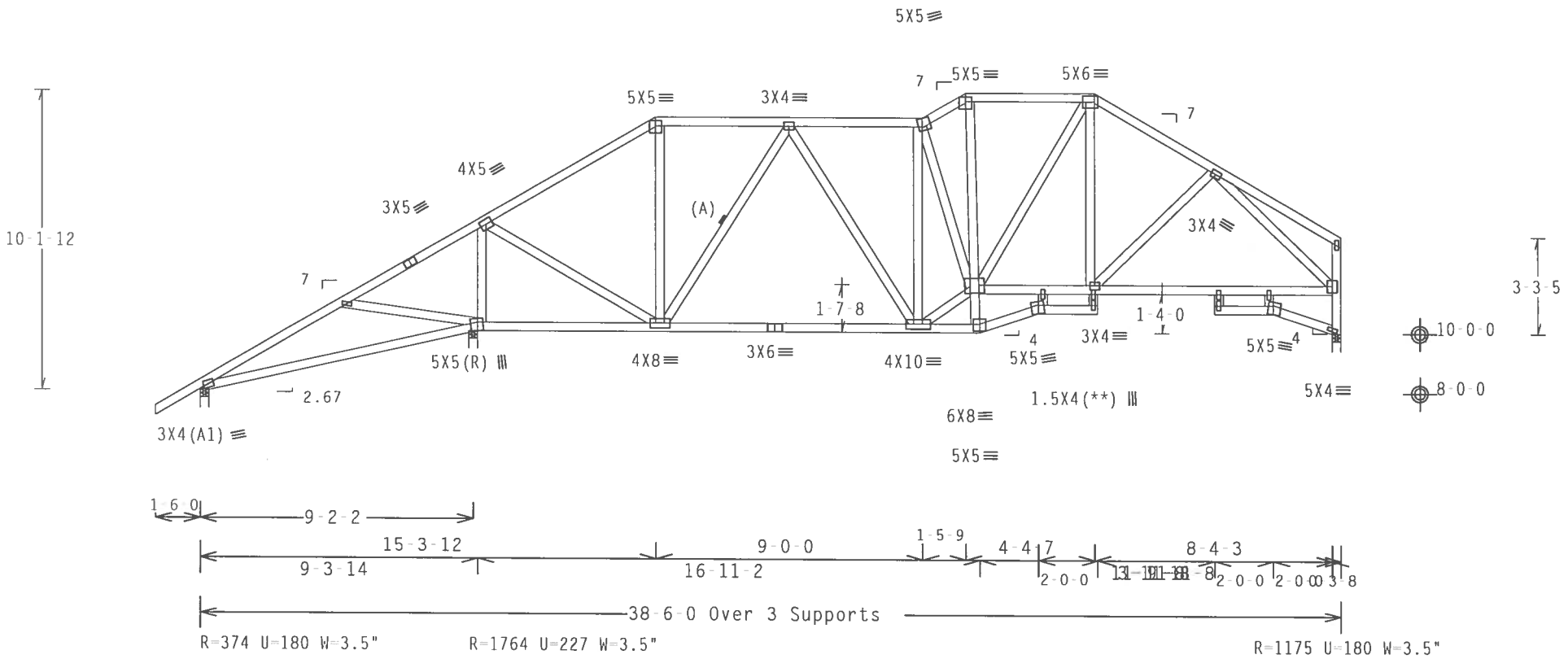
See detail BCFILLER1106 for bottom chord (BC) filler detail. Laterally brace BC above filler @ 24" o.c. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point).

(**) 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 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.

Shim all supports to solid bearing.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 16 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93384
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030015
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149453
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - A1A)

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.

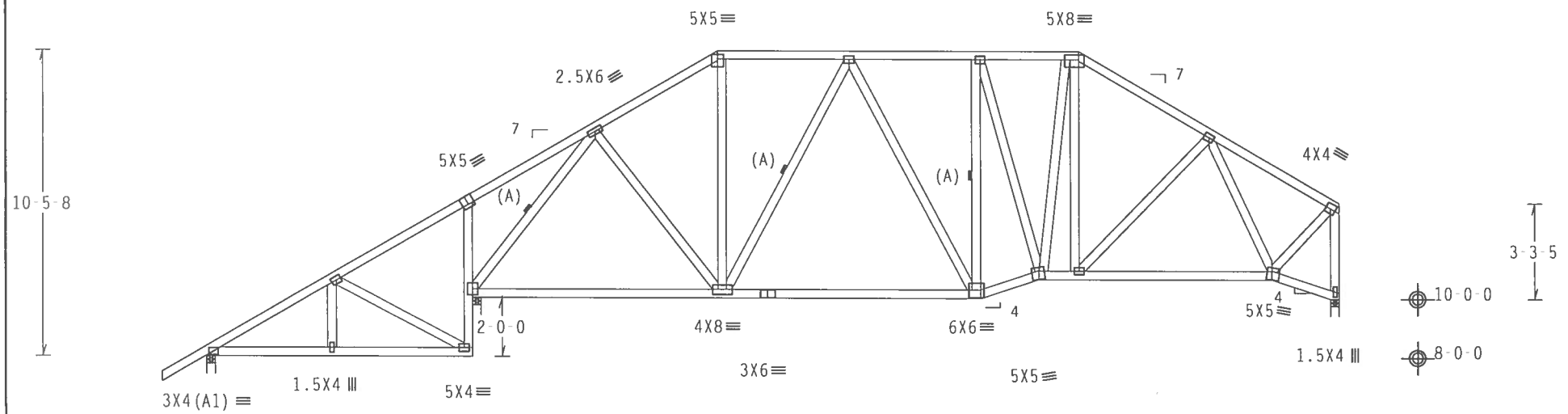
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

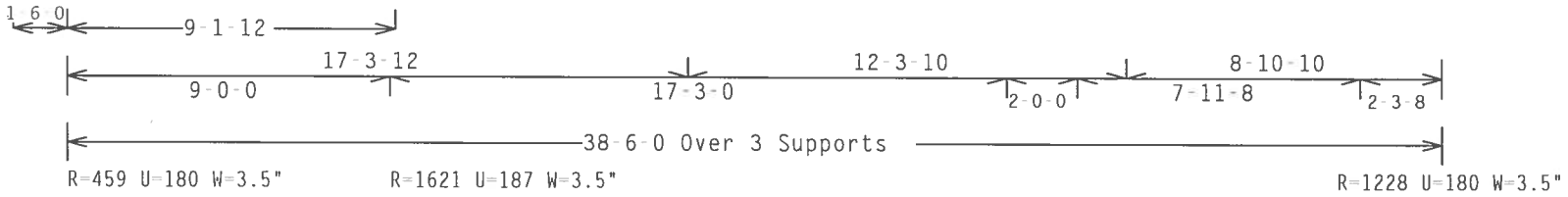
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Shim all supports to solid bearing.





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 =.1875"/Ft.

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ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93385
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030016
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149496
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - HT7A)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense :B1 2x8 SP SS:
:B2 2x8 SP #1 Dense:
Webs 2x4 SP #3 :W2, W5, W9 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

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

(B) SCAB BRACE. 80% LENGTH OF WEB MEMBER. SAME SIZE,
SPECIES & GRADE OR BETTER. ATTACH WITH 0.128"x3"
NAILS @ 4" OC.

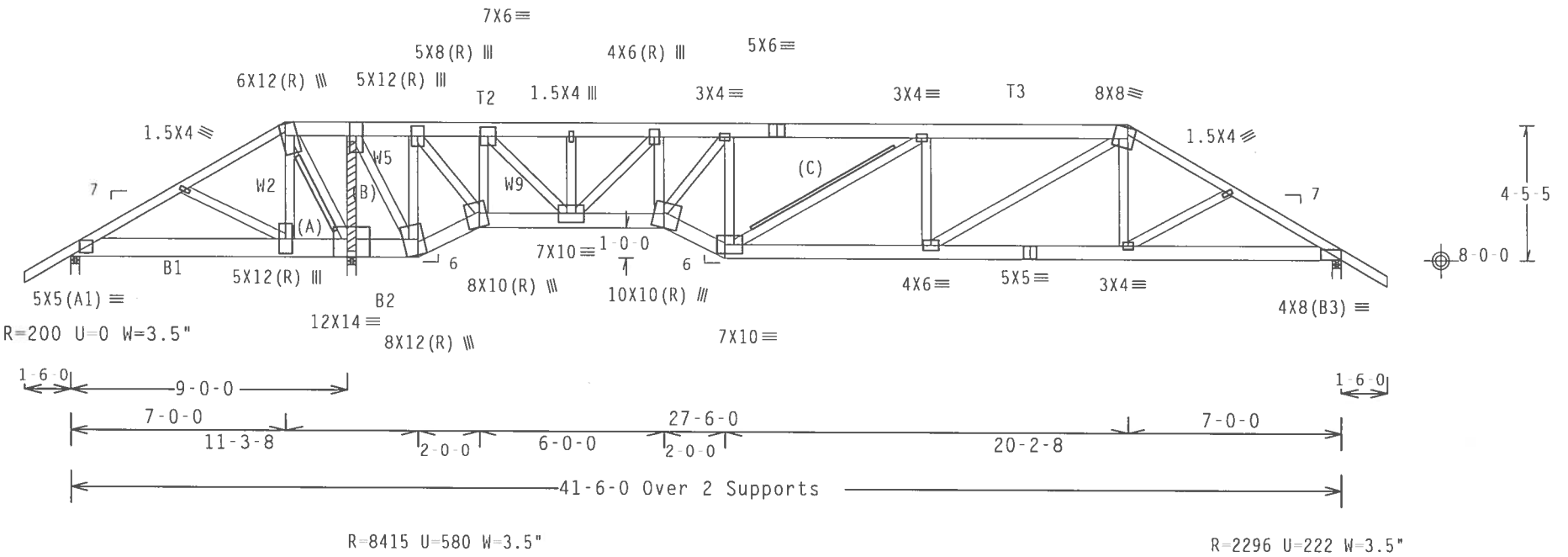
(A) 2x6 #3 or better "T" brace. 80% length of web member.
Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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.

In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

Deflection meets L/240 live and L/180 total load. Creep
increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93386
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030030
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN- 130268
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** HT9A)

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

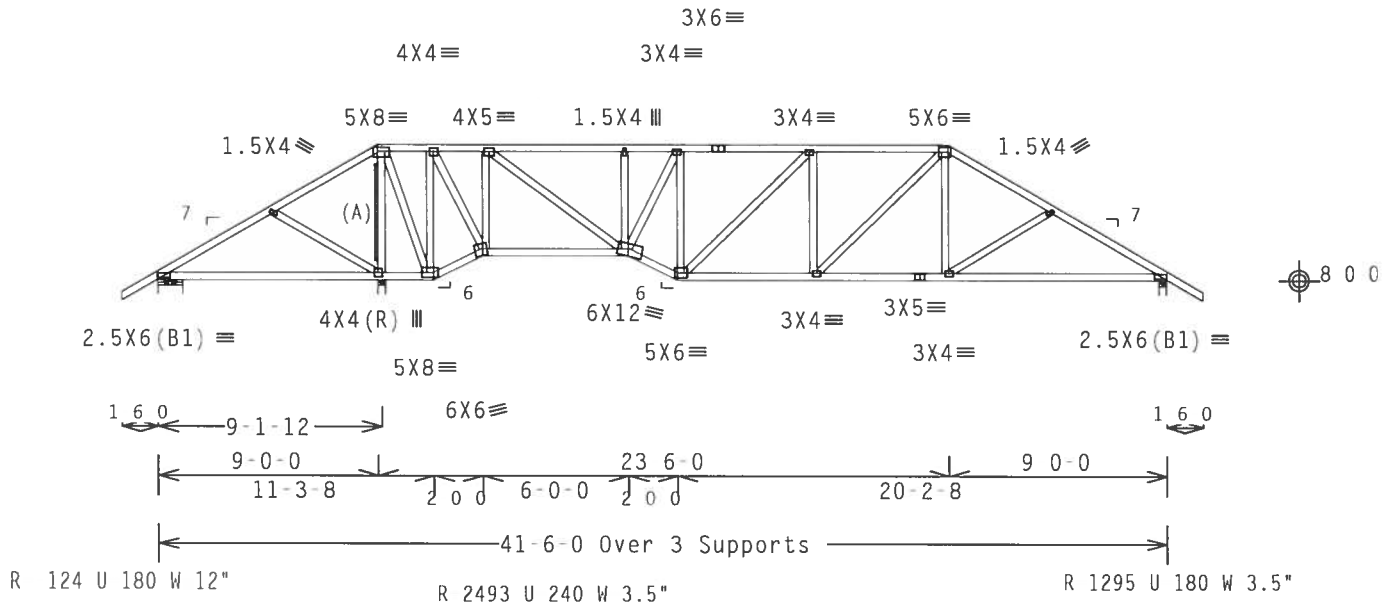
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93387
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030008
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	129463
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH . ** HT11A)

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

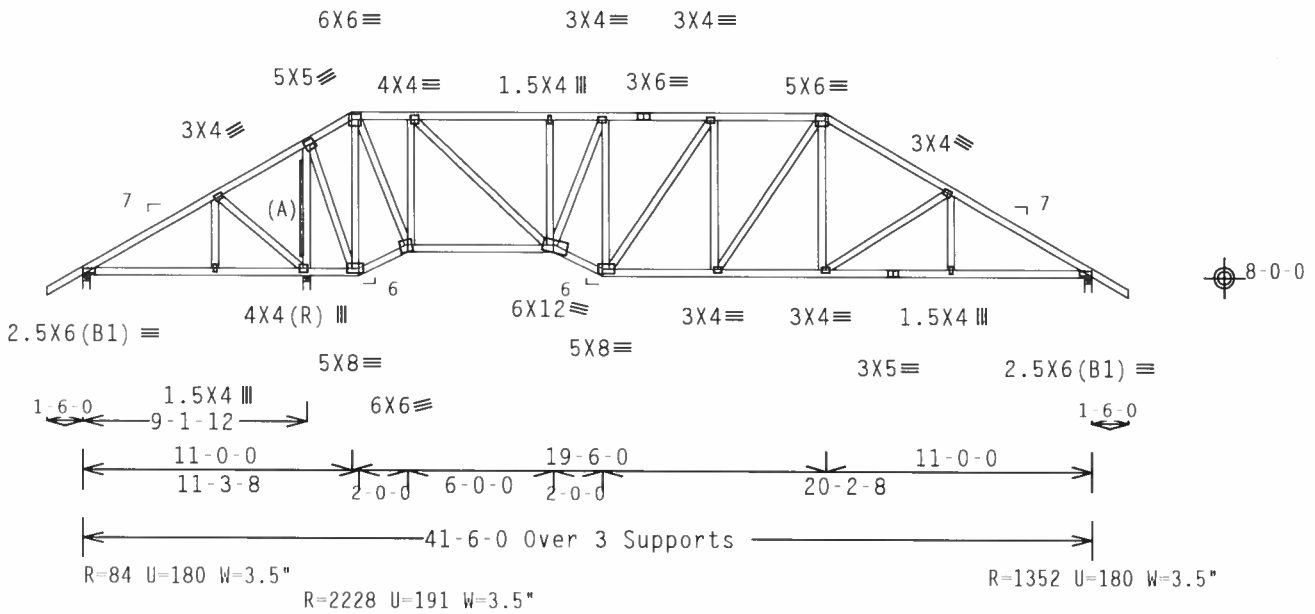
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]EY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93388
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030010
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	129478
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

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

Wind reactions based on MWFRS pressures.

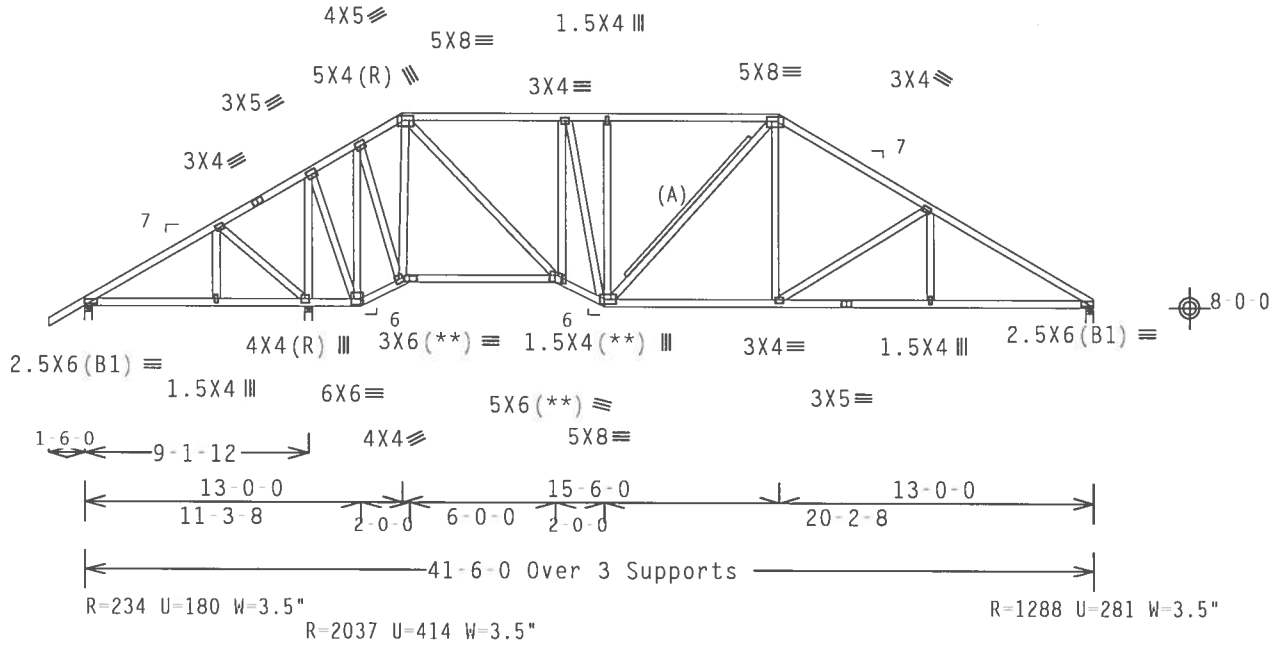
(A) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 3 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=2.8 psf, wind BC DL=2.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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

Jan 31 '07

ALPINE

ITW Building Components Group, Inc.
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TC LL	20.0 PSF	REF R487-- 93389
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030009
BC LL	0.0 PSF	HC-ENG KH/AF
TOT.LD.	40.0 PSF	SEQN- 130347
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395-Stanley Crawford Construc WILMOTH -- , ** - HM7B)

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W7 2x4 SP #2 Dense:

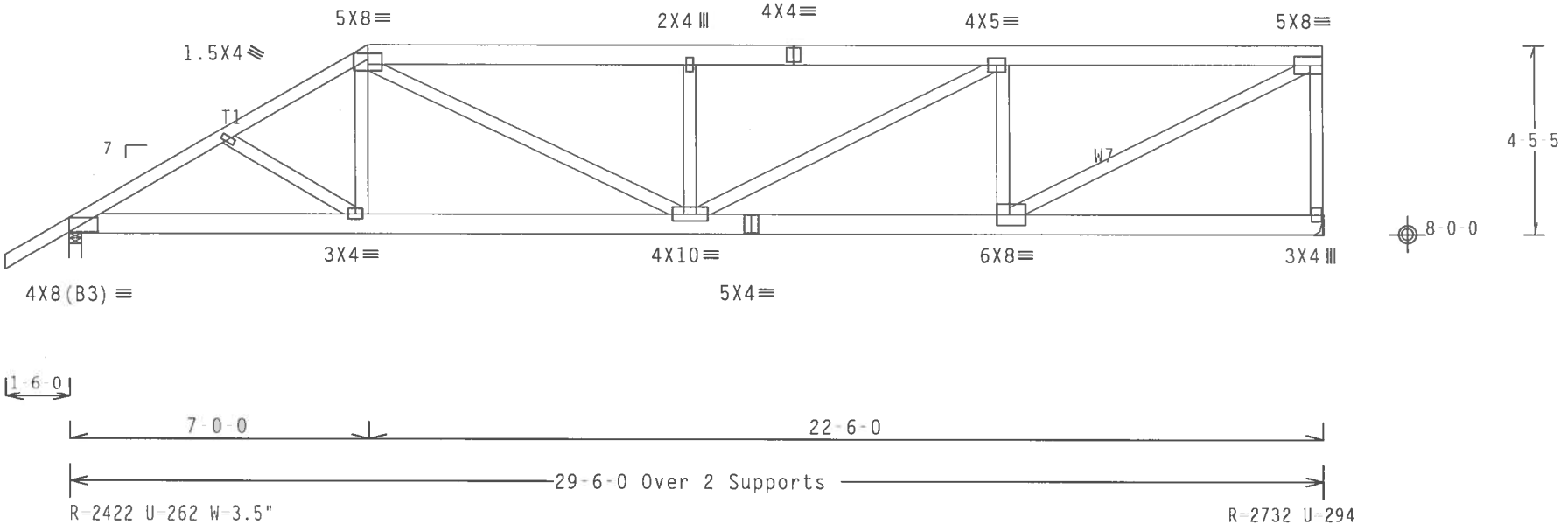
SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 31 PLF at -1.50 to 31 PLF at 29.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 10 PLF at 0.00 to 10 PLF at 29.50
TC - 456 LB Conc. Load at 7.00
TC - 190 LB Conc. Load at 9.00, 11.00, 13.00, 15.00, 17.00
19.00, 21.00, 23.00, 25.00, 27.00, 29.00
BC - 443 LB Conc. Load at 7.00
BC - 82 LB Conc. Load at 9.00, 11.00, 13.00, 15.00, 17.00
19.00, 21.00, 23.00, 25.00, 27.00, 29.00

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.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE NO.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 3 '07

TC LL	20.0 PSF	REF	R487-- 93390
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030018
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	65295 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** HM9B)

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

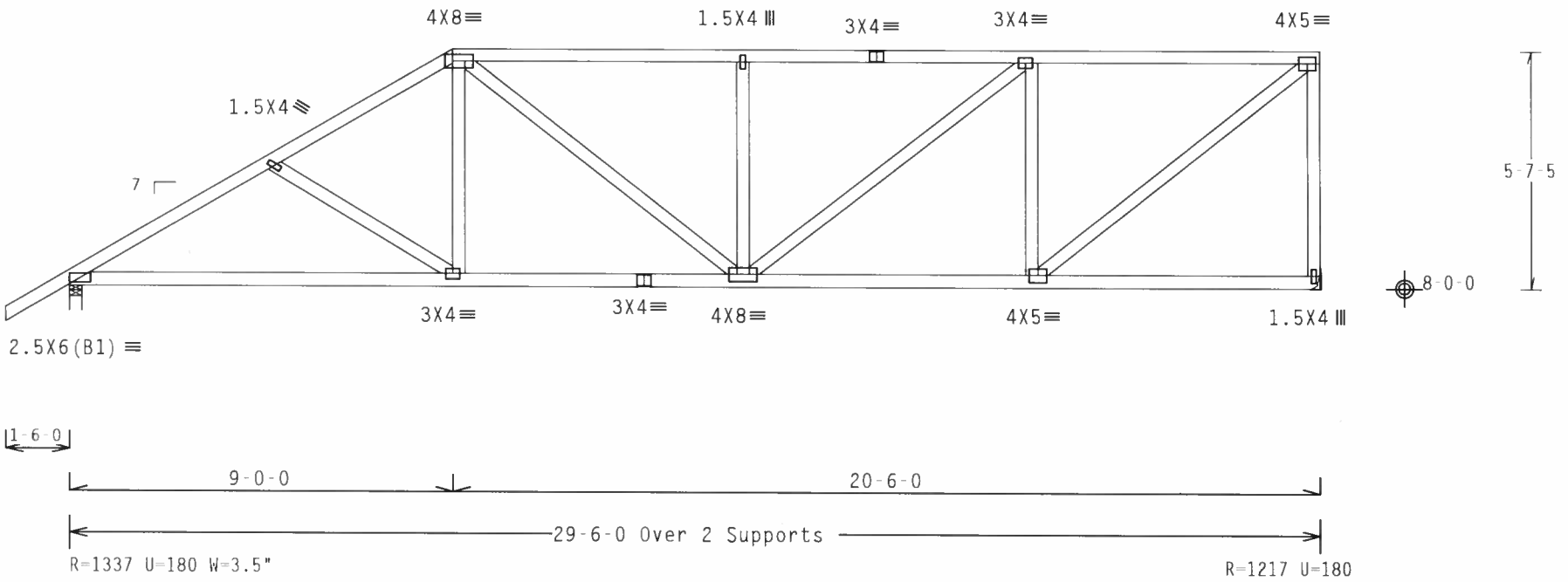
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 07

TC LL	20.0 PSF	REF R487-- 93391
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030019
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 16189
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - HM11B)

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

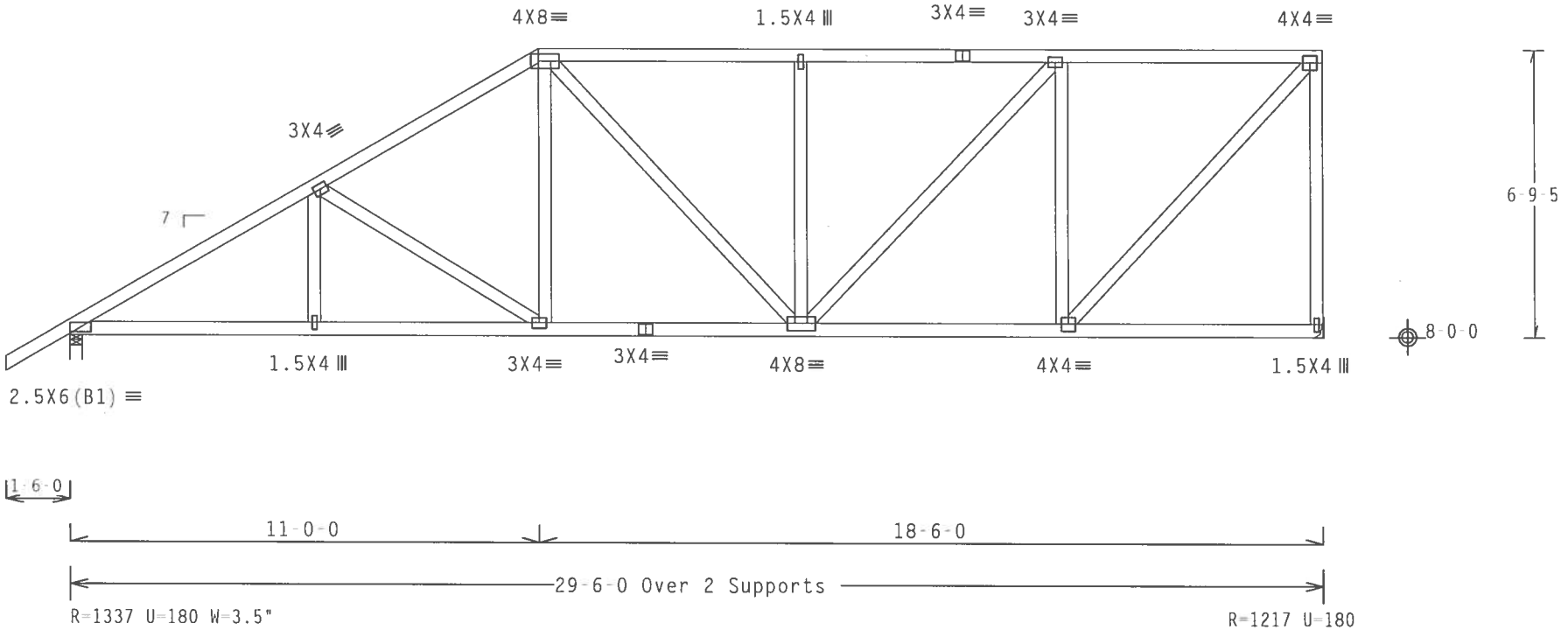
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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 =.25"/Ft.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 3 '07

TC LL	20.0 PSF	REF R487-- 93392
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030020
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 16191
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - H13B)

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

Wind reactions based on MWFRS pressures.

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

(A) Continuous lateral bracing equally spaced on member.

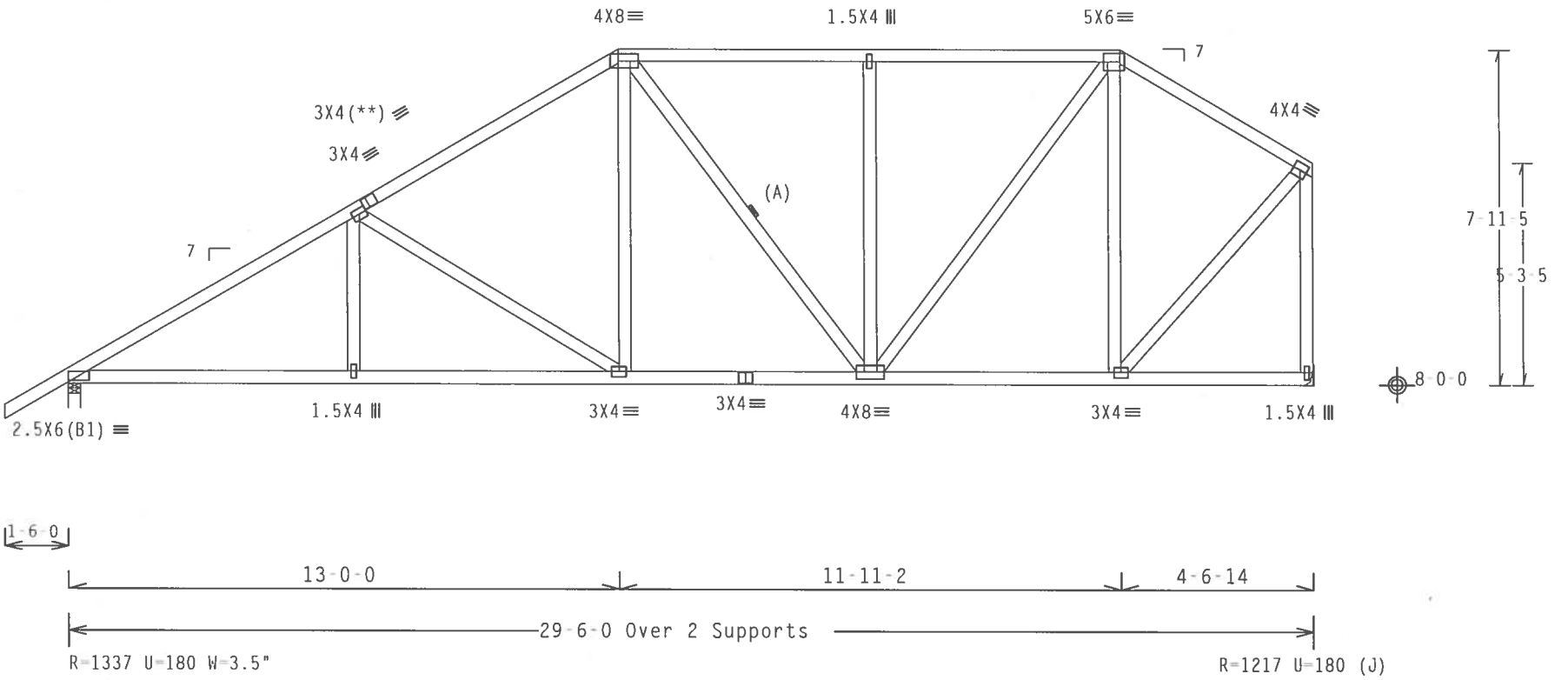
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 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 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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



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 =.25"/Ft.

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Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93393
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030017
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN- 149394
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

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

Wind reactions based on MWFRS pressures.

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

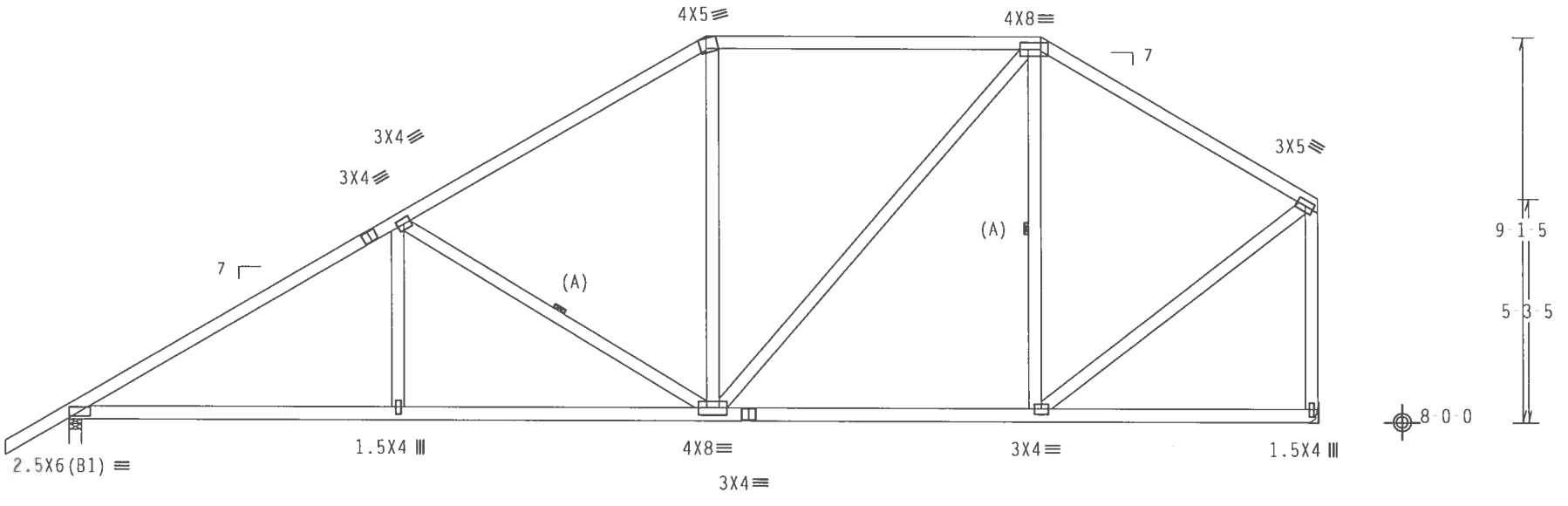
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

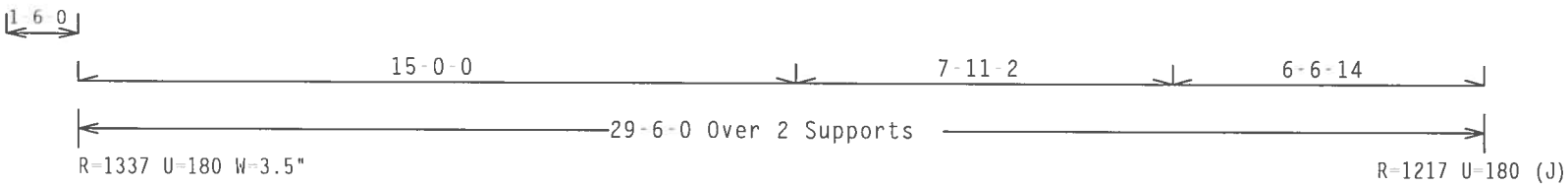
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 KEY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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. ITH 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.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93394
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030018
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN- 149398
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

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

Wind reactions based on MWFRS pressures.

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

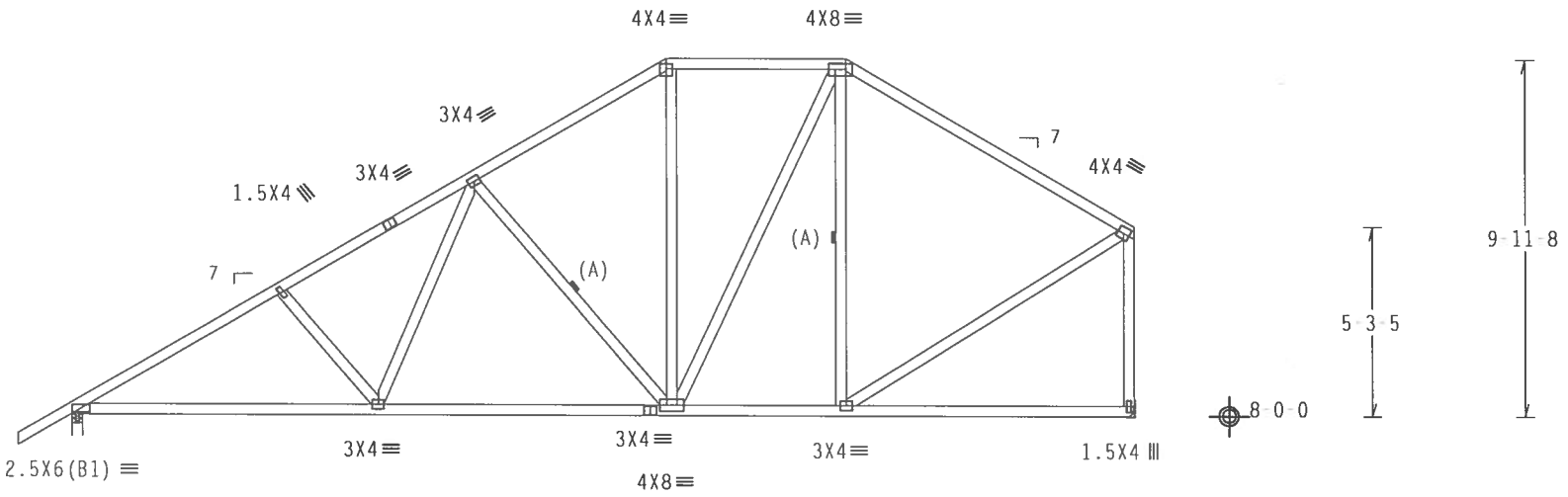
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

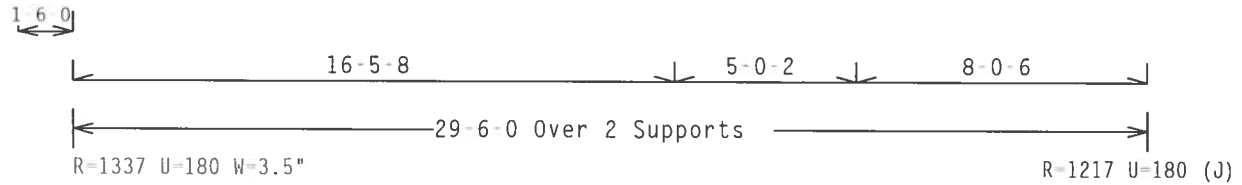
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





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

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93395
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030019
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149402
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

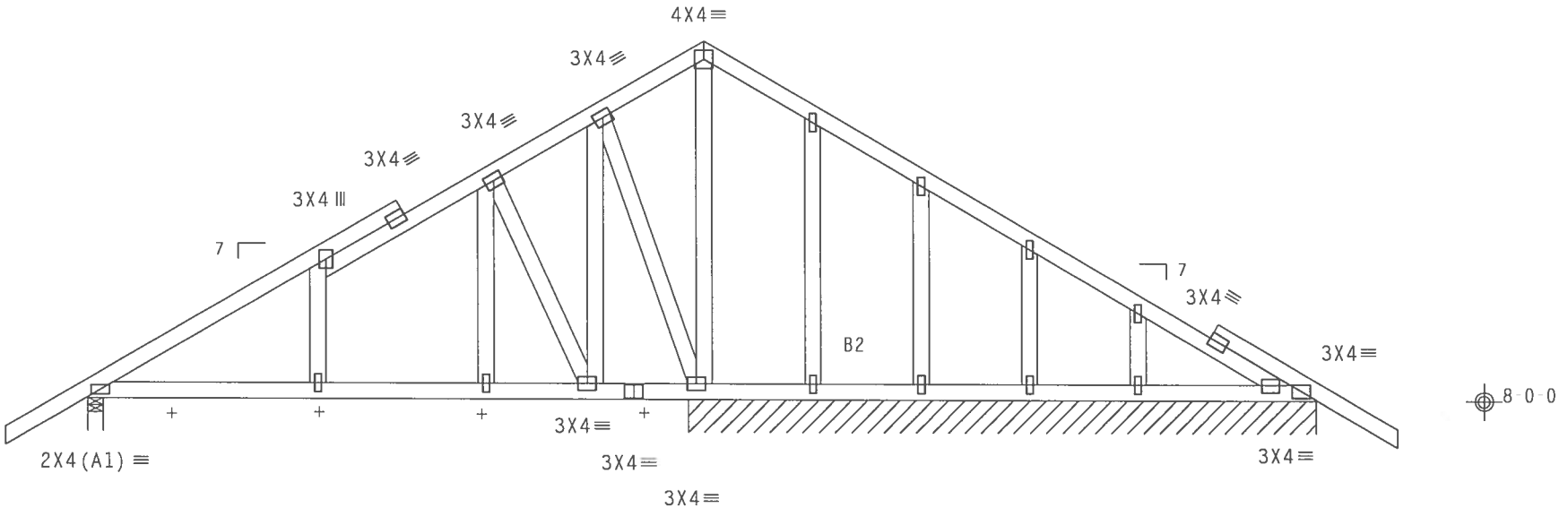
+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

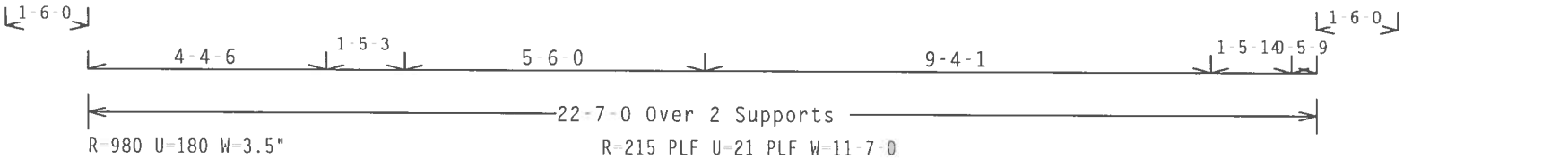
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93396
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030007
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	129743 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH , ** C)

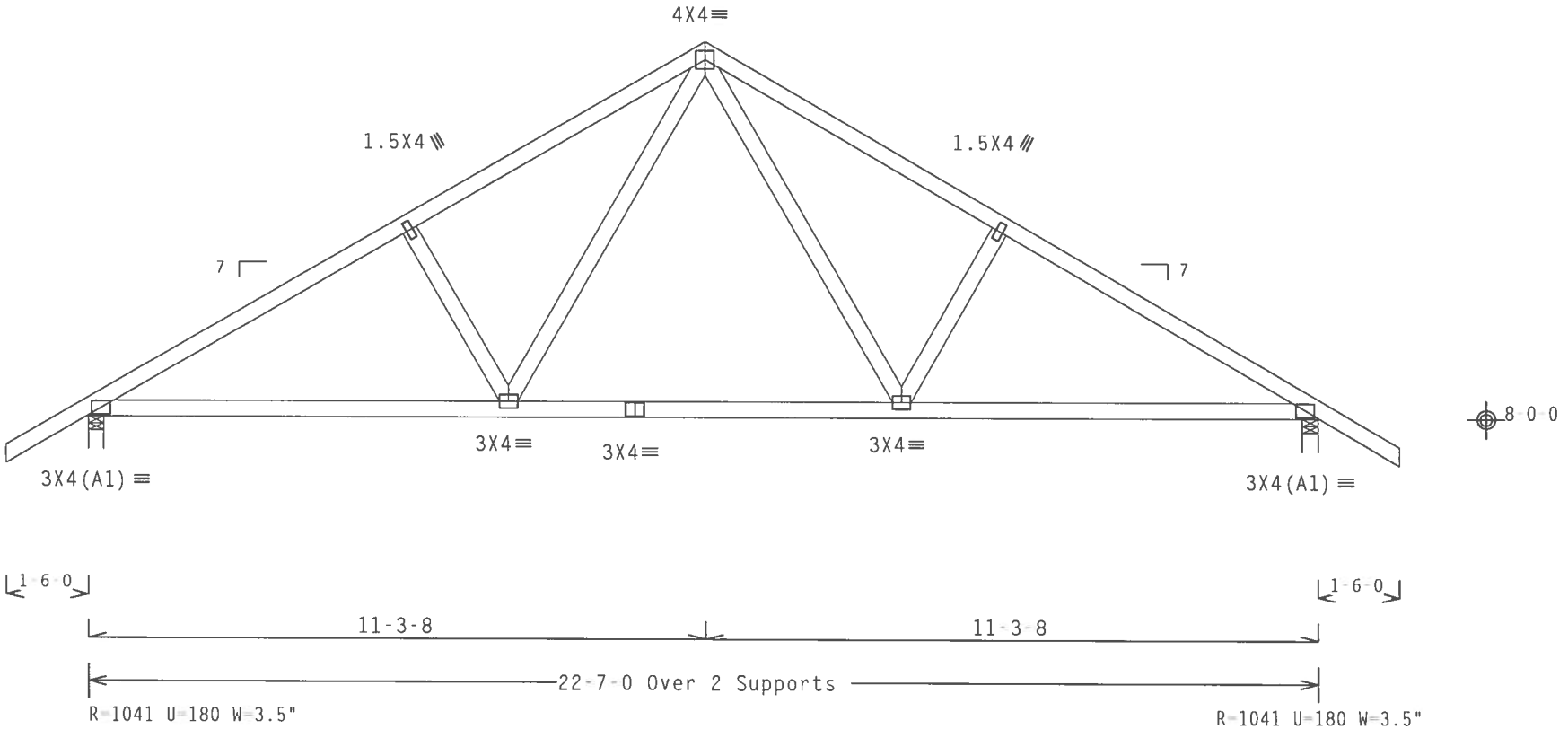
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93397
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030013
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 16151
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - C1)

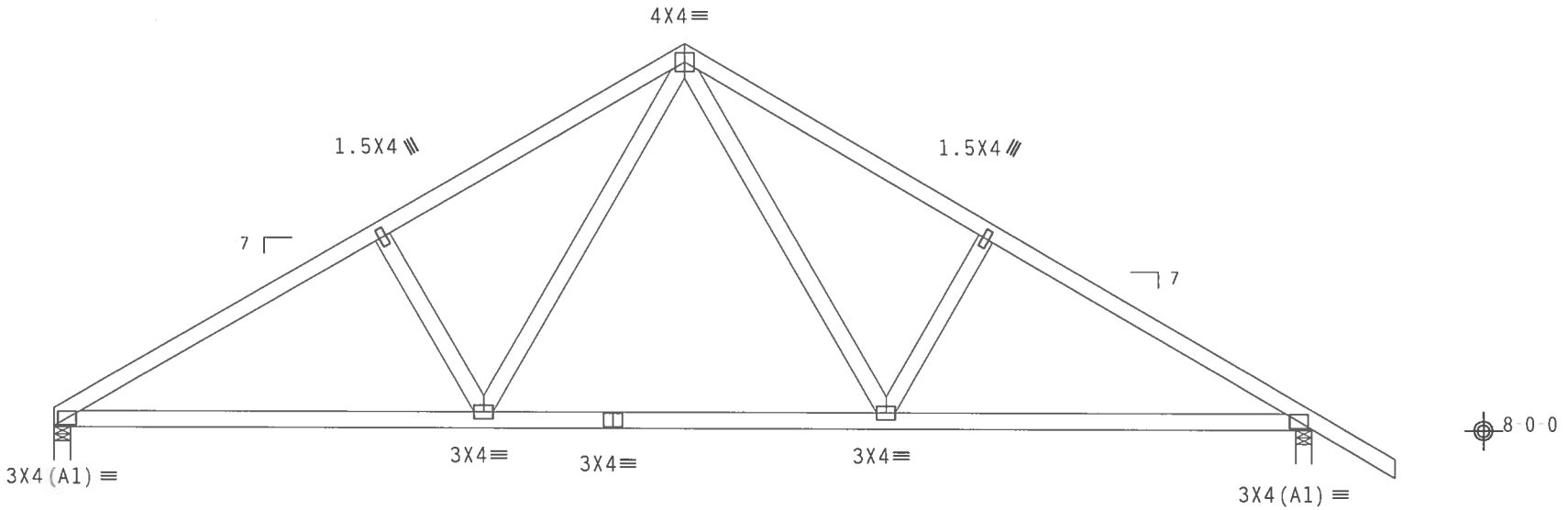
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



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 =.3125"/Ft.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93398
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030017
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 16155
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W7 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 24.08
BC - From 20 PLF at 0.00 to 20 PLF at 22.58
BC - From 5 PLF at 22.58 to 5 PLF at 24.08
BC - 1593 LB Conc. Load at 2.06
BC - 1526 LB Conc. Load at 4.00
BC - 1217 LB Conc. Load at 6.06, 7.52, 9.52, 11.58, 13.58
BC - *2732 LB Conc. Load at 15.58

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

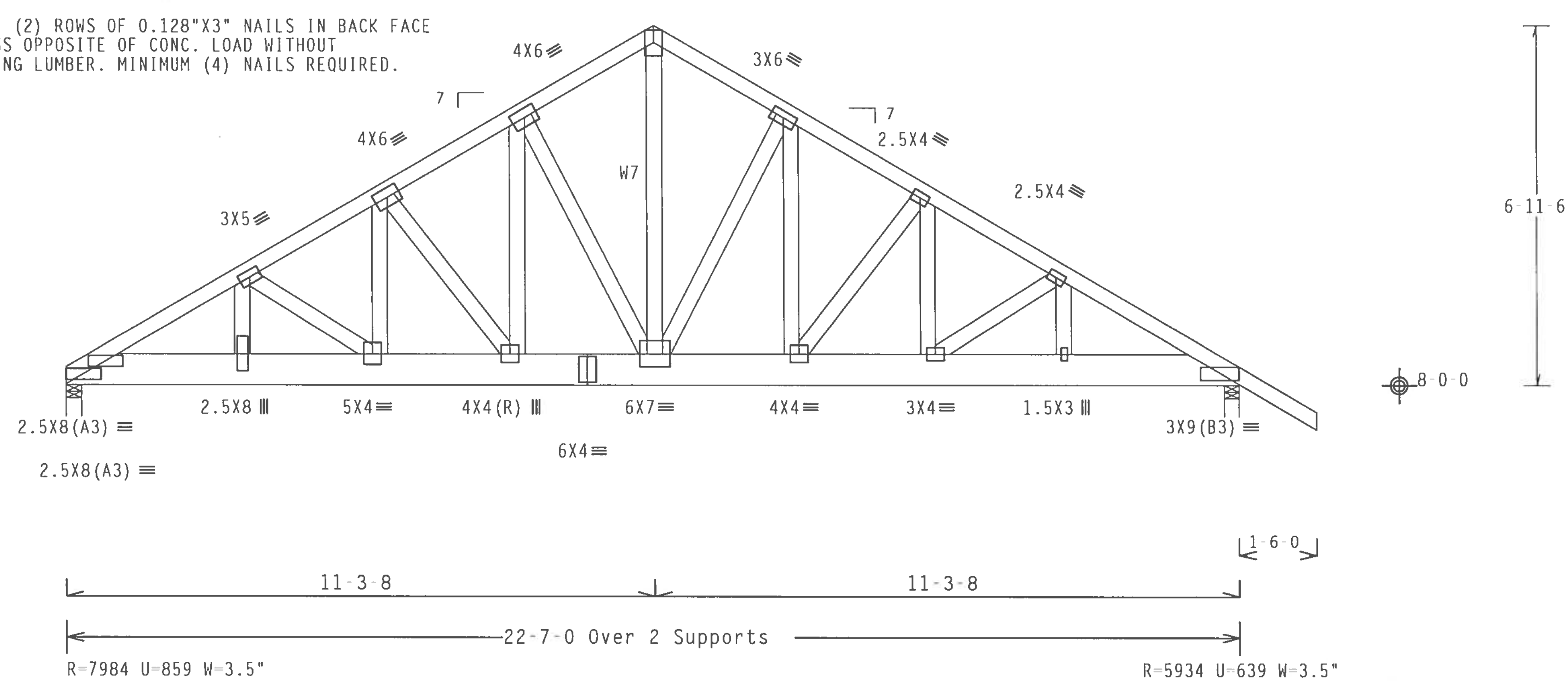
* CLUSTER (2) ROWS OF 0.128"X3" NAILS IN BACK FACE OF TRUSS OPPOSITE OF CONC. LOAD WITHOUT SPLITTING LUMBER. MINIMUM (4) NAILS REQUIRED.

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0 ... QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

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Haines City, FL 33844
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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93399
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030031
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	109731 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** DSG)

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

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 11.08
TC - From 63 PLF at 11.08 to 63 PLF at 12.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.00
BC - 1219 LB Conc. Load at 1.90
BC - 1211 LB Conc. Load at 3.90
BC - 1344 LB Conc. Load at 5.90, 7.90, 9.90

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

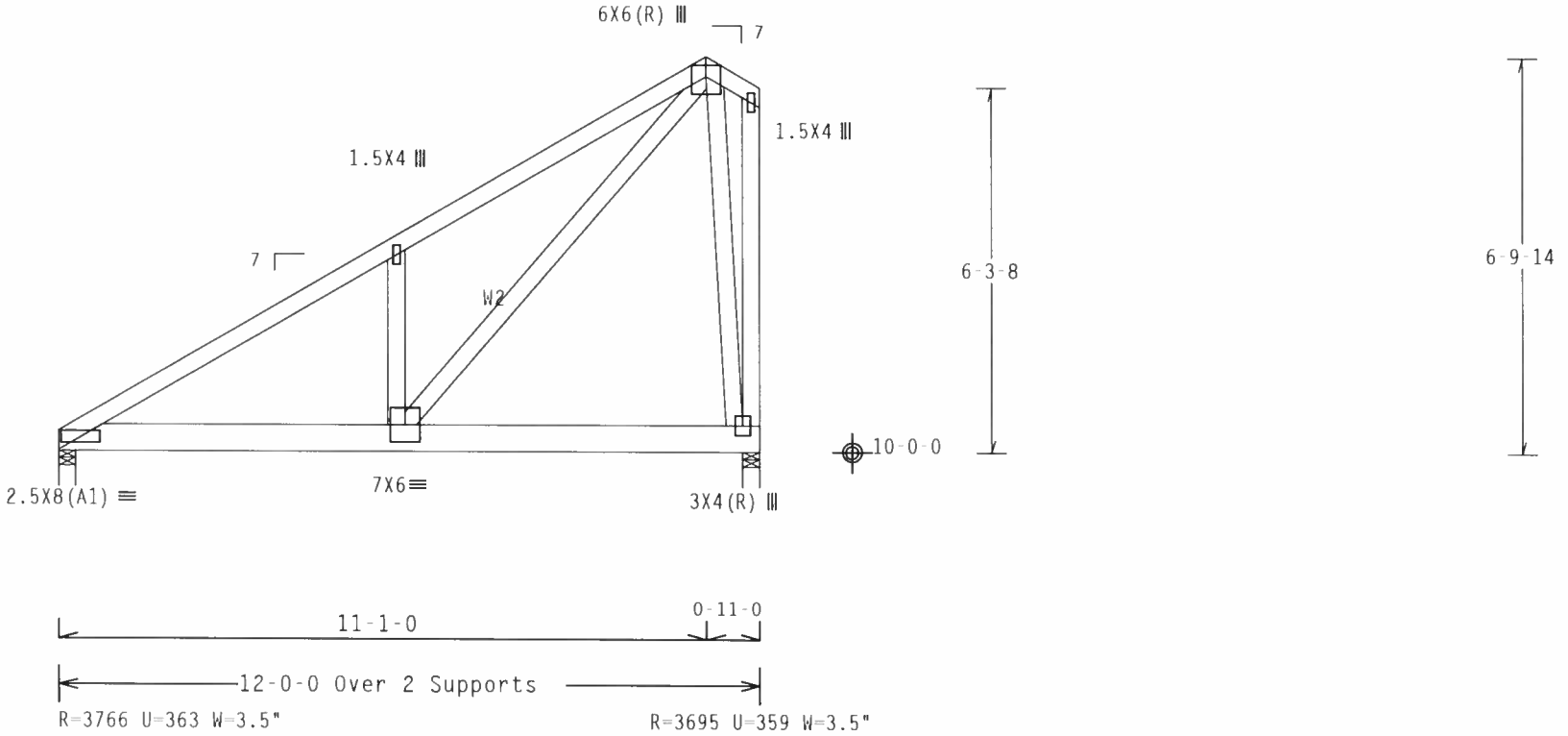
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93400
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030032
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN- 149388
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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

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. CONNECTIONS SHALL BE FROM THE ROOF DIAPHRAGM TO THE CEILING DIAPHRAGM. THIS TRUSS IS NOT DESIGNED FOR LATERAL WIND PRESSURE APPLIED TO THE FACE. ANY LATERAL LOAD FROM WIND MUST BE TRANSFERRED TO THE BUILDING DIAPHRAGMS. LATERAL BRACING FOR WIND TO BE DESIGNED AND FURNISHED BY OTHERS.

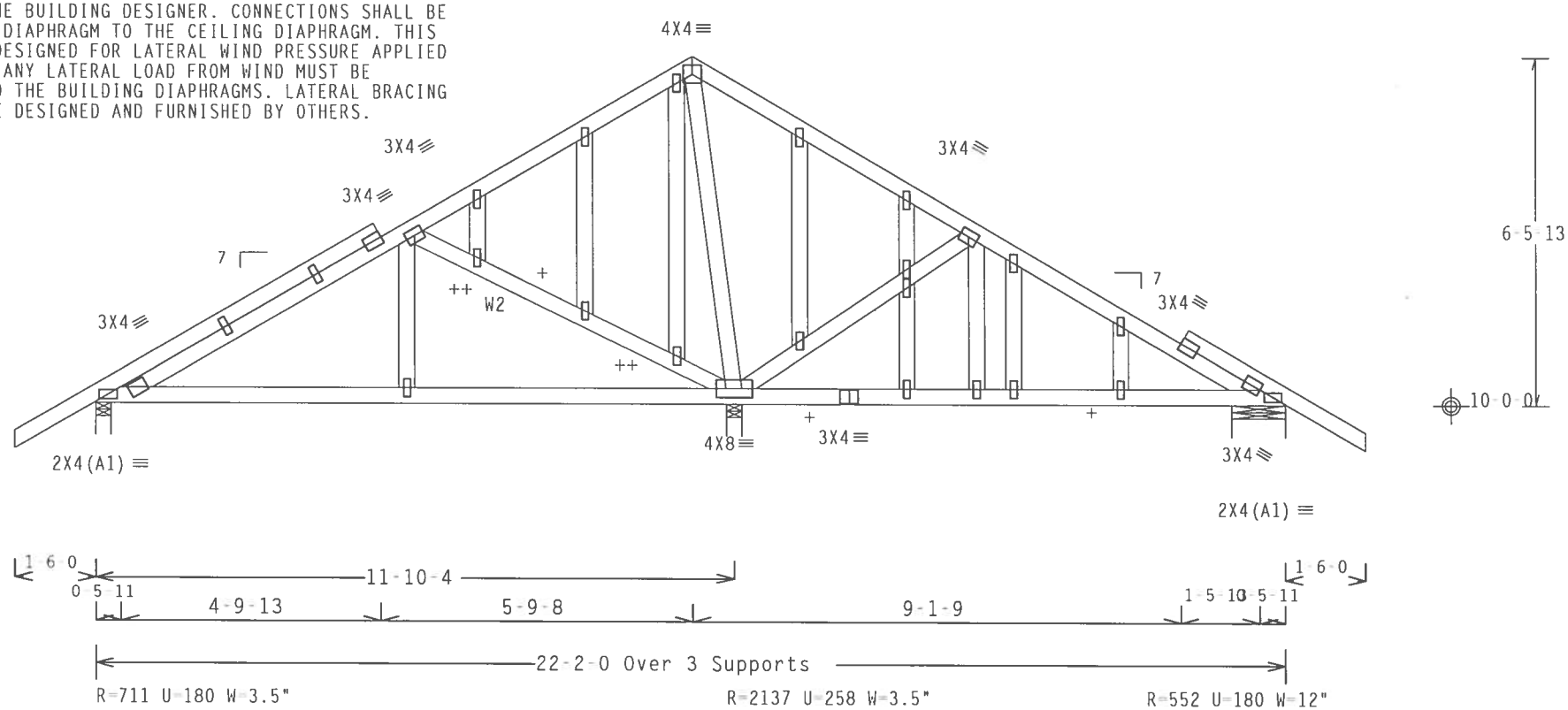
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

++MEMBER TO BE BRACED BY PROPERLY ATTACHED SHEATHING OR PURLINS @ 24" OC. CHORD ENDS TO BE LATERALLY BRACED.



Note: All Plates Are 1.5X4 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 =.3125"/Ft.

ALPINE

UTW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93401
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030033
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149370 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH . ** D)

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

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at -1.50 to 63 PLF at 11.08
TC - From 63 PLF at 11.08 to 63 PLF at 22.17
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.17
BC - 225 LB Conc. Load at 12.90, 20.64
BC - 308 LB Conc. Load at 14.90, 16.90, 18.90

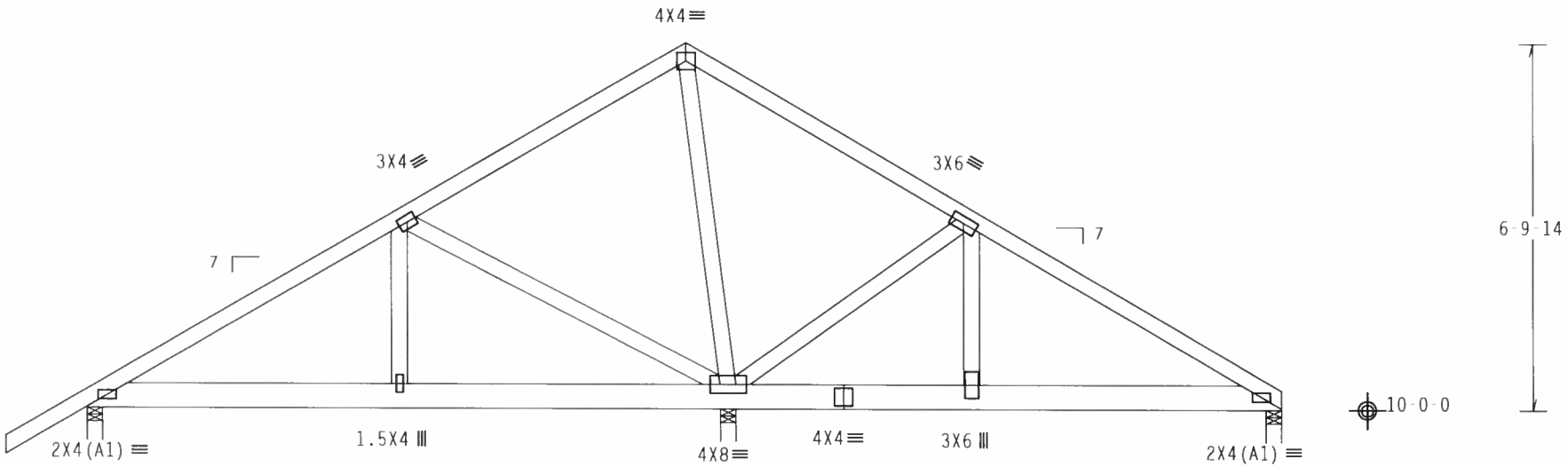
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

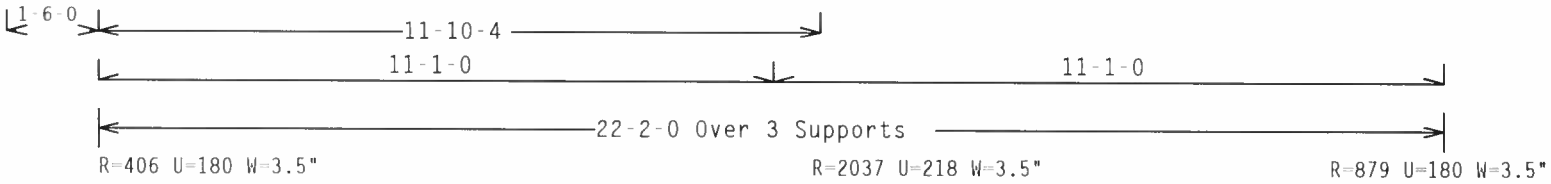
Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.[illegible].16 TY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93402
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030034
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	40.0 PSF	SEQN- 149515
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - EGE)

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

Wind reactions based on MWFRS pressures.

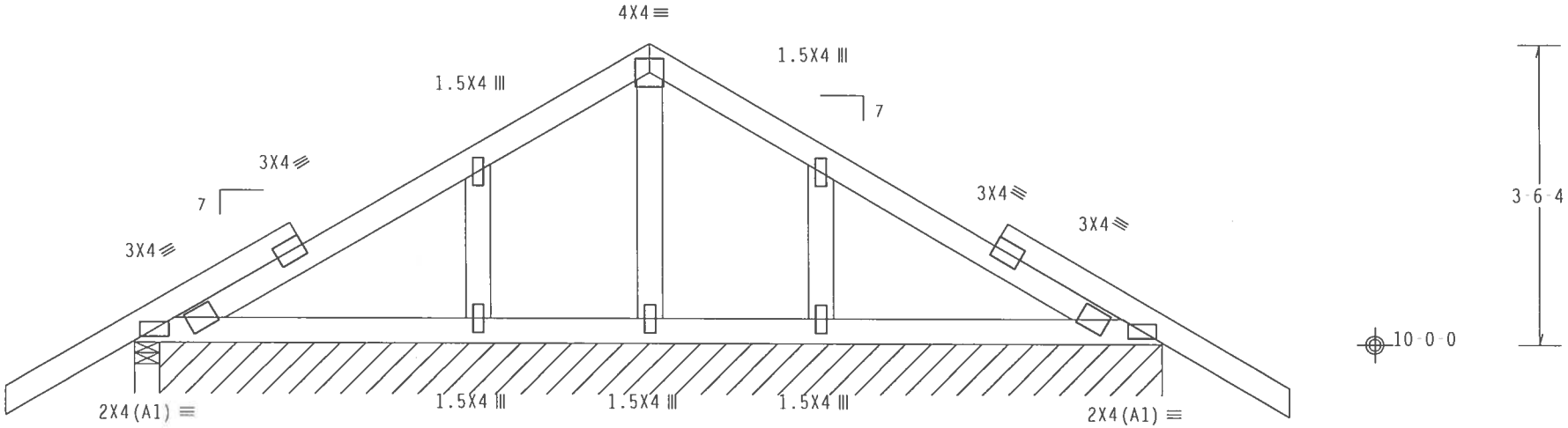
See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

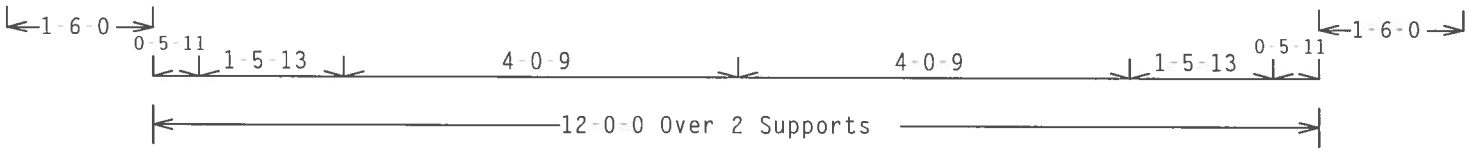
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





R=316 U=195 W=3.5"
R=126 PLF U=26 PLF W=11-8-8

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.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59987 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93403
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030035
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149359 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

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	85 PLF	at	1.50	to	85 PLF at 12.79
BC	From	5 PLF	at	1.50	to	5 PLF at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF at 11.29
BC	From	5 PLF	at	11.29	to	5 PLF at 12.79

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

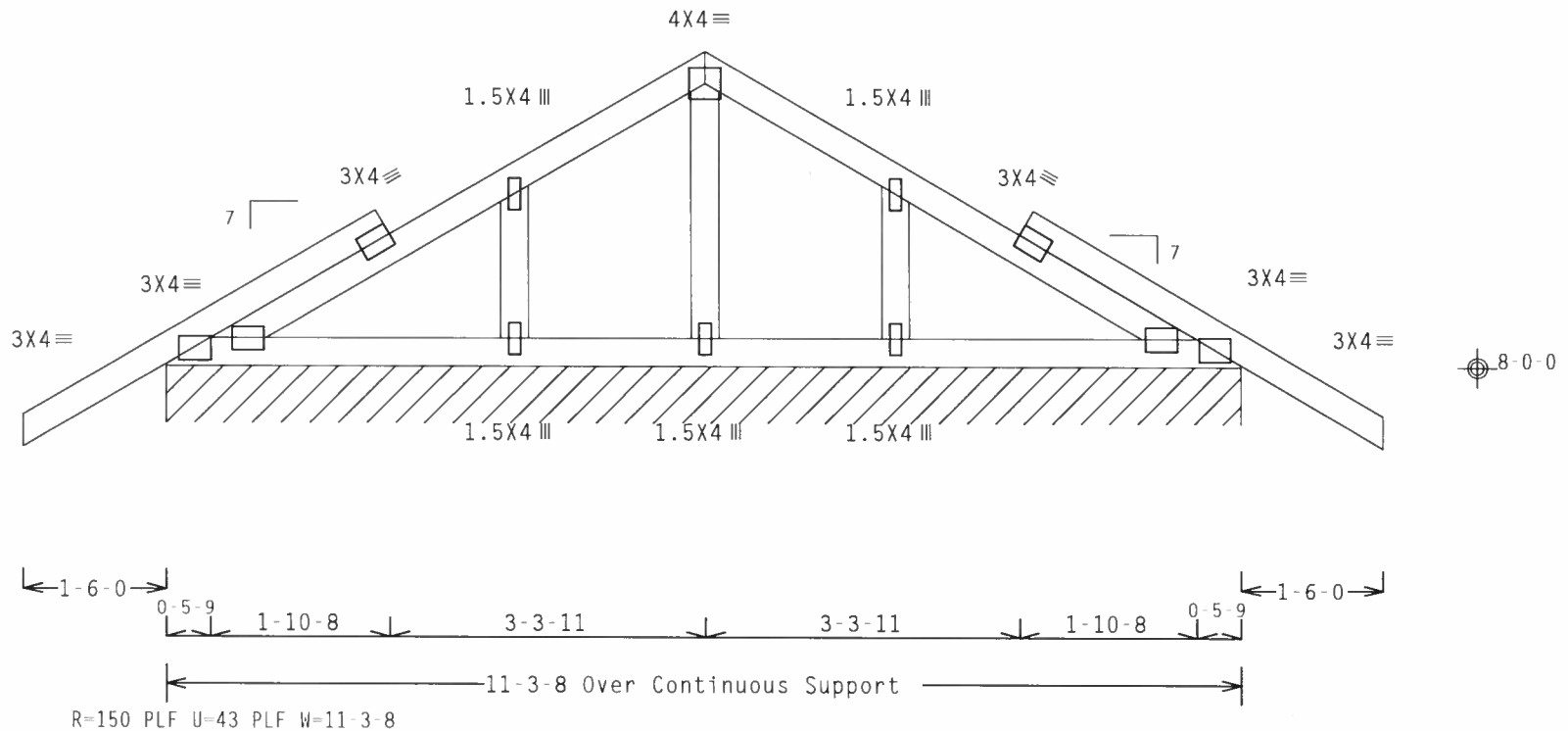
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Dead loads are stated on projected horizontal area basis.

Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93404
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030001
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	16152 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** HJ7)

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

Wind reactions based on MWFRS pressures.

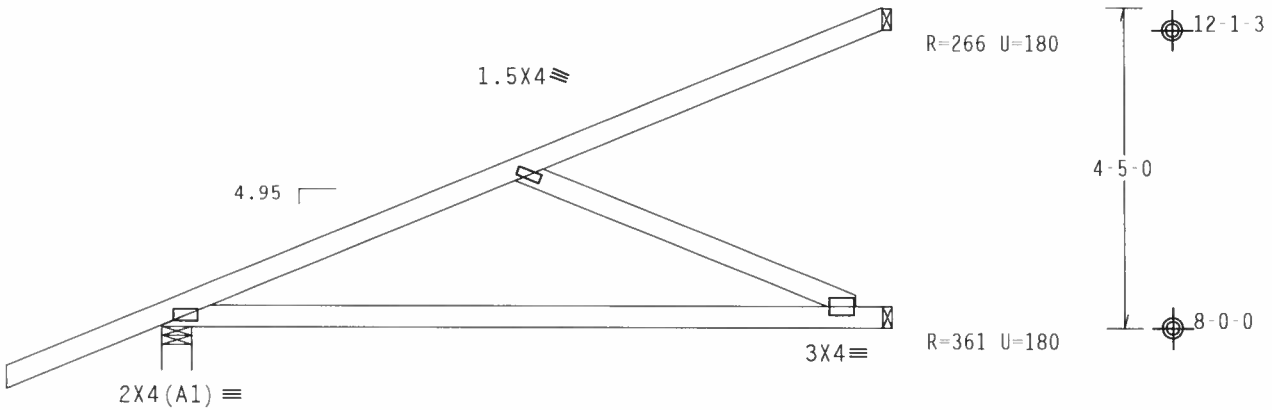
Hipjack supports 7-0-0 setback jacks with no webs.

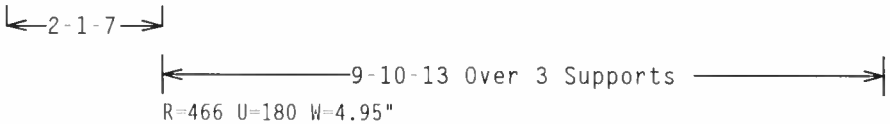
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93405
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030002
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 16234
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH , ** EJ7)

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

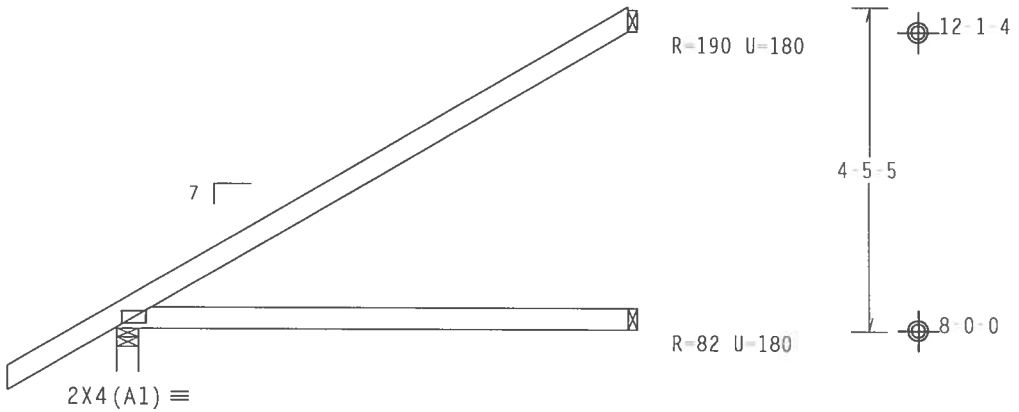
Wind reactions based on MWFRS pressures.

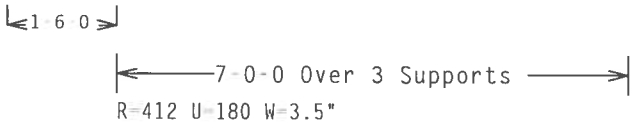
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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





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

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93406
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030006
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 16202
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH , ** EJ7T)

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

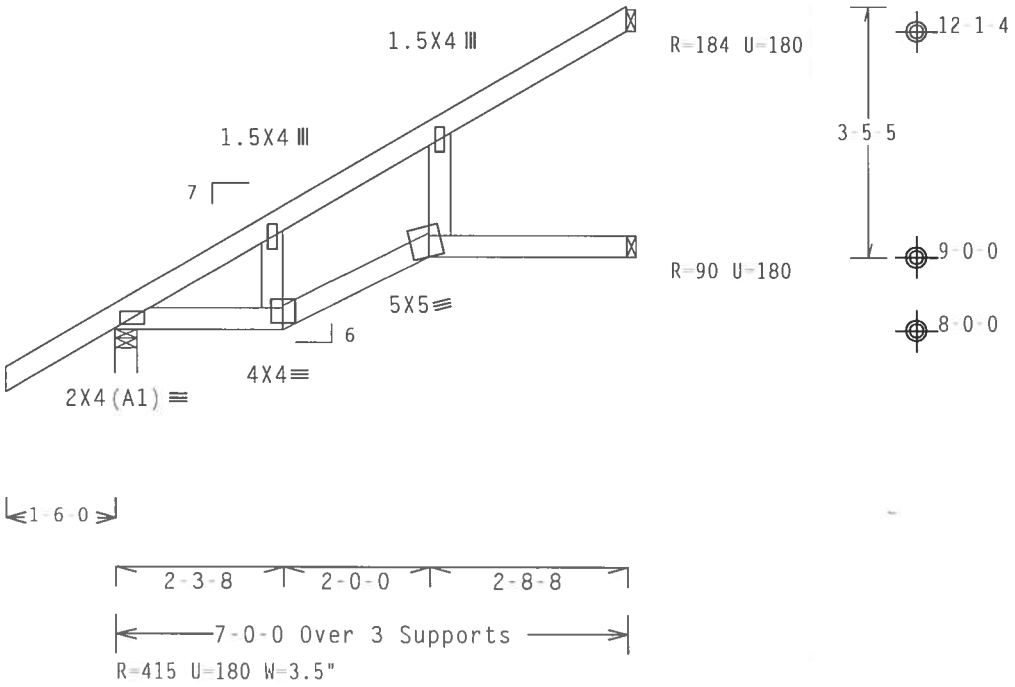
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1[illegible]0TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93407
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030014
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	129748
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

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

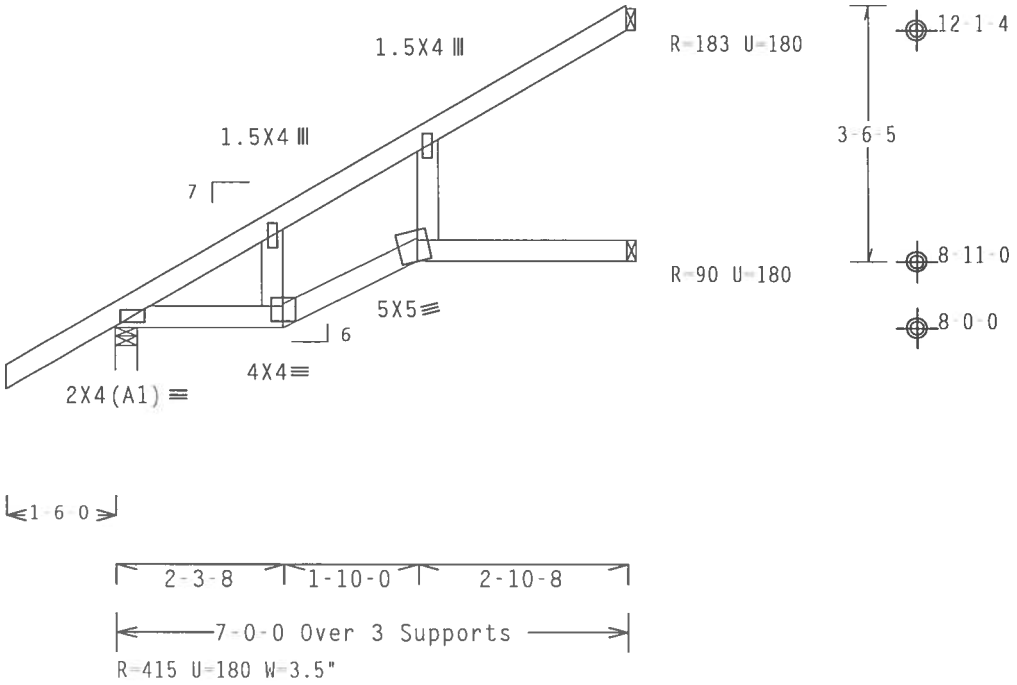
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93408
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030012
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	16238
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

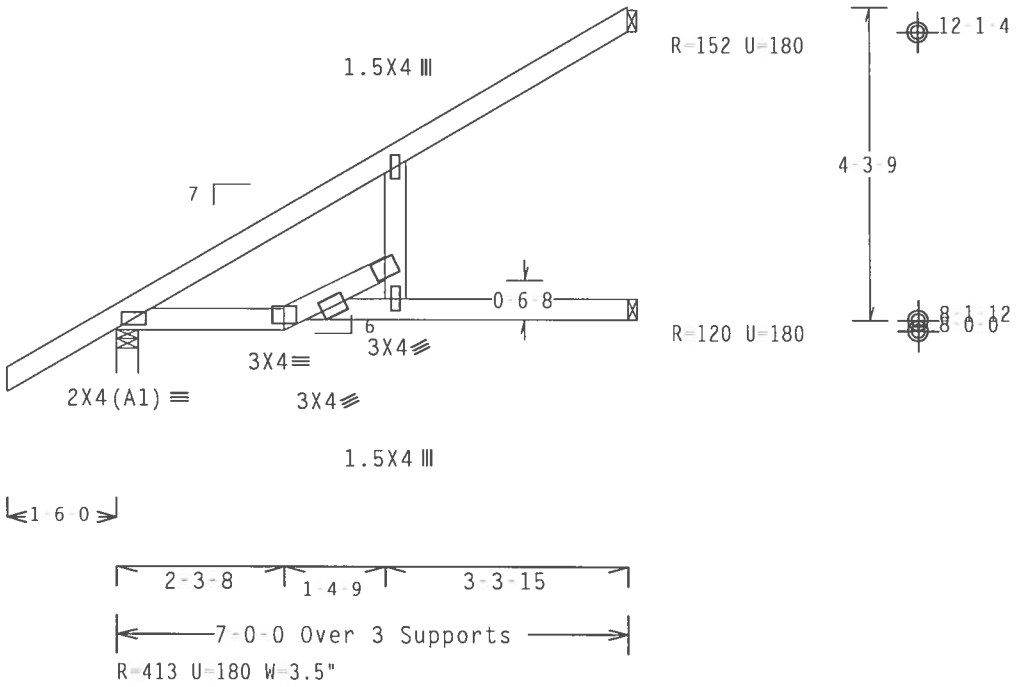
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

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. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

PLT TYP. Wave

TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93409
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030015
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	16250
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

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

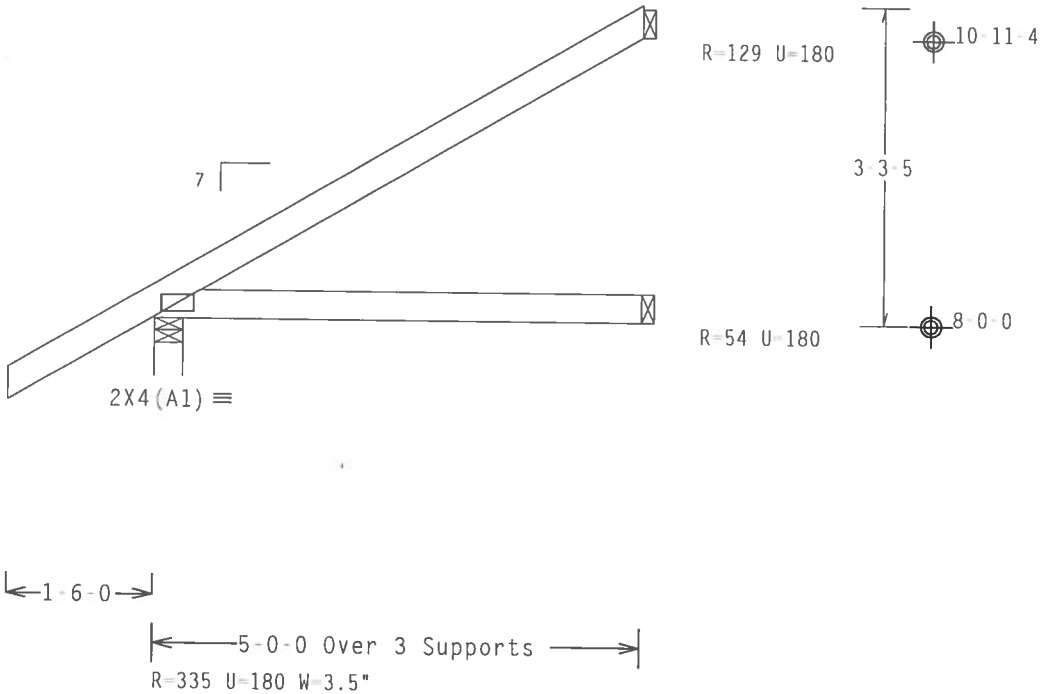
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R487-- 93410
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030003
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	16206
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

ALPINE

TW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Jan 31 '07

(6 395 Stanley Crawford Construc WILMOTH , ** J3)

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

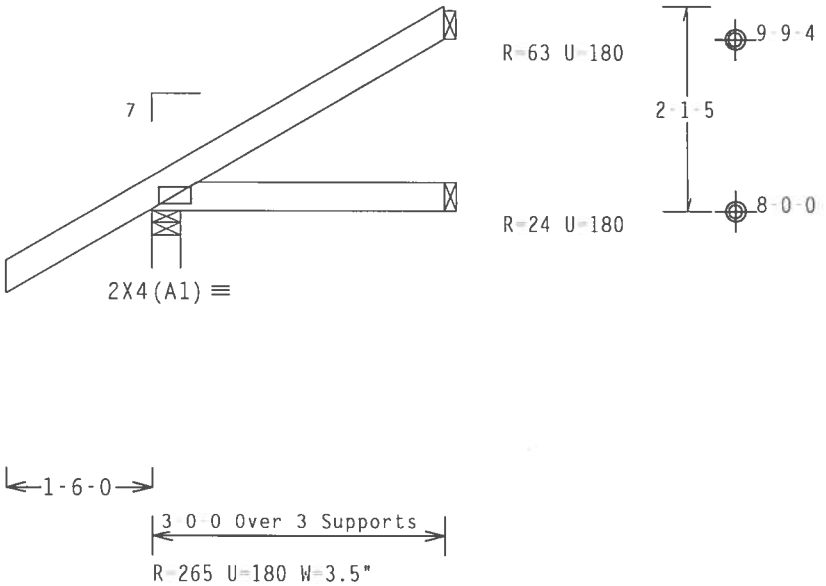
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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 MPV:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93411
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030004
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	16211
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

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

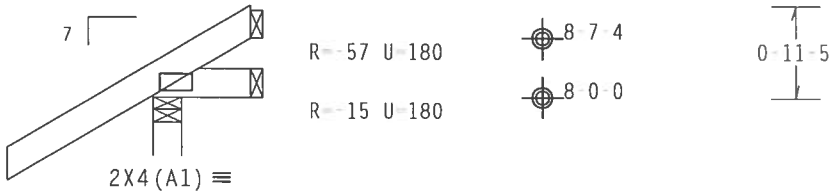
Wind reactions based on MWFRS pressures.

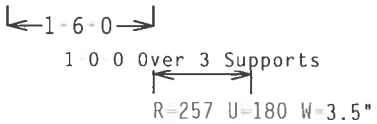
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
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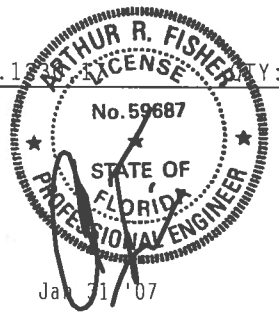


Jan 31,'07

TC LL	20.0 PSF	REF	R487 93412
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030005
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	16214
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T4G487_Z01

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

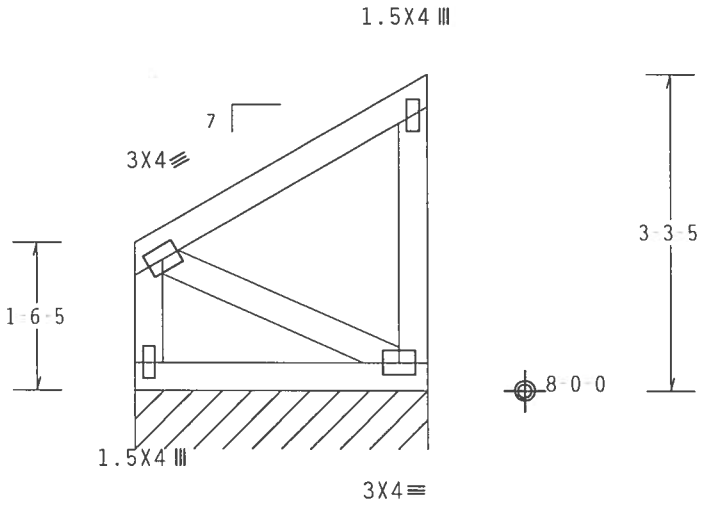
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



3-0-0 Over Continuous Support

R=83 PLF U=60 PLF W=3-0-0

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

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 (H,H/SS/K) ASTM A653 GRADE 40/60 (H, 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.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93413
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030011
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	129672
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** MGE)

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

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

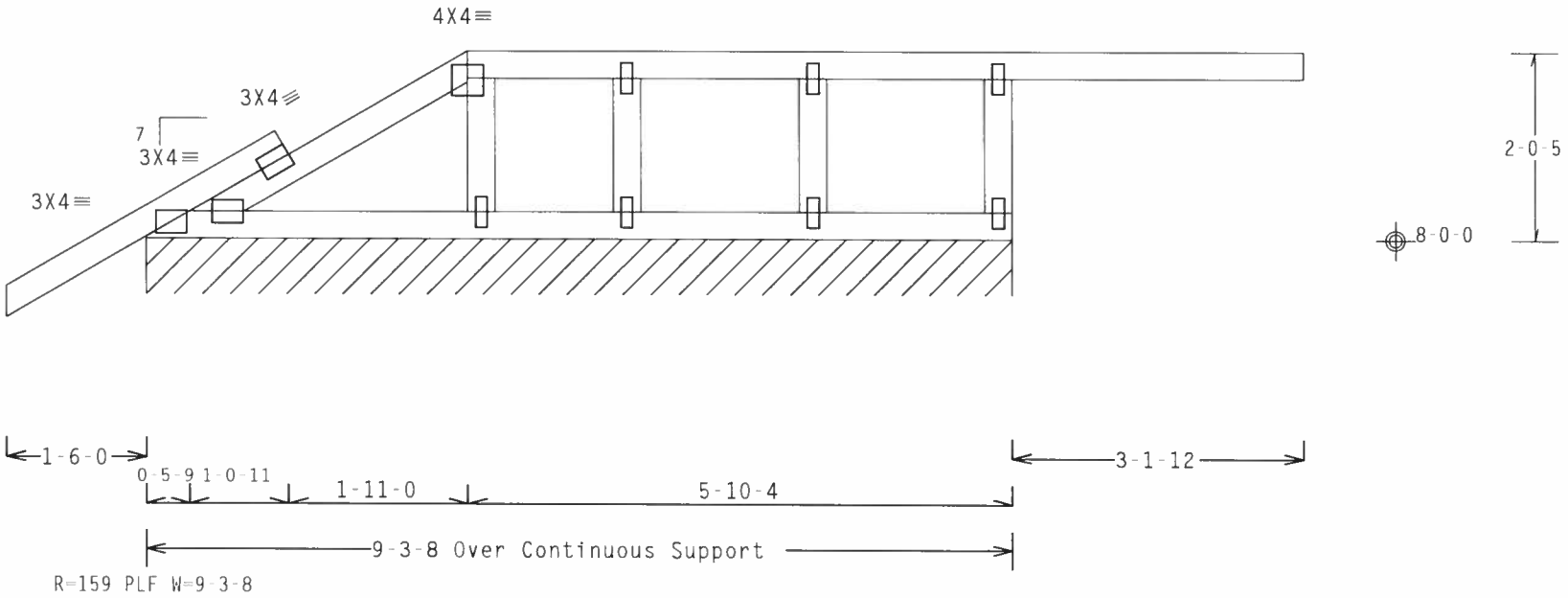
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Top chord overhangs have been checked only for loads as indicates. Overhangs not checked for man loads or long-term deflection.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible]EY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

UTW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 31 07

TC LL	20.0 PSF	REF	R487-- 93414
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030016
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	129737 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** M3)

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

Wind reactions based on MWFRS pressures.

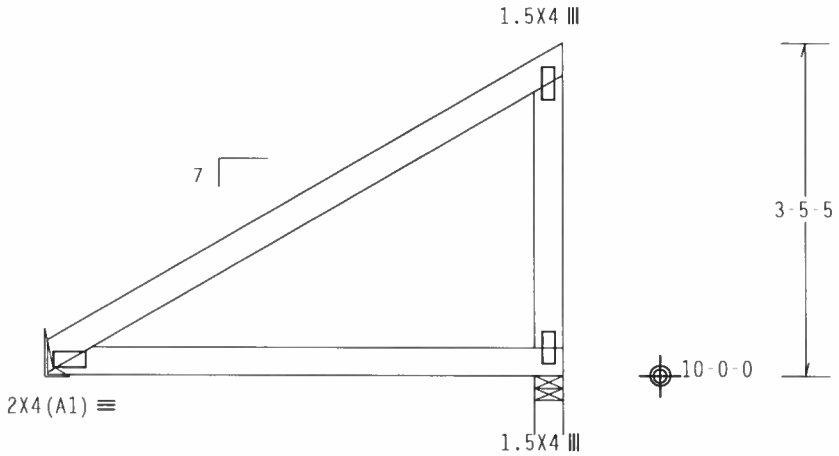
(J) hanger connection not found in inventory file for this condition. Provide connection.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



5-3-8 Over 2 Supports

R=225 U=180 (J) R=215 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 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93415
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030020
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149373
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - M2)

THIS DRG 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

Wind reactions based on MWFRS pressures.

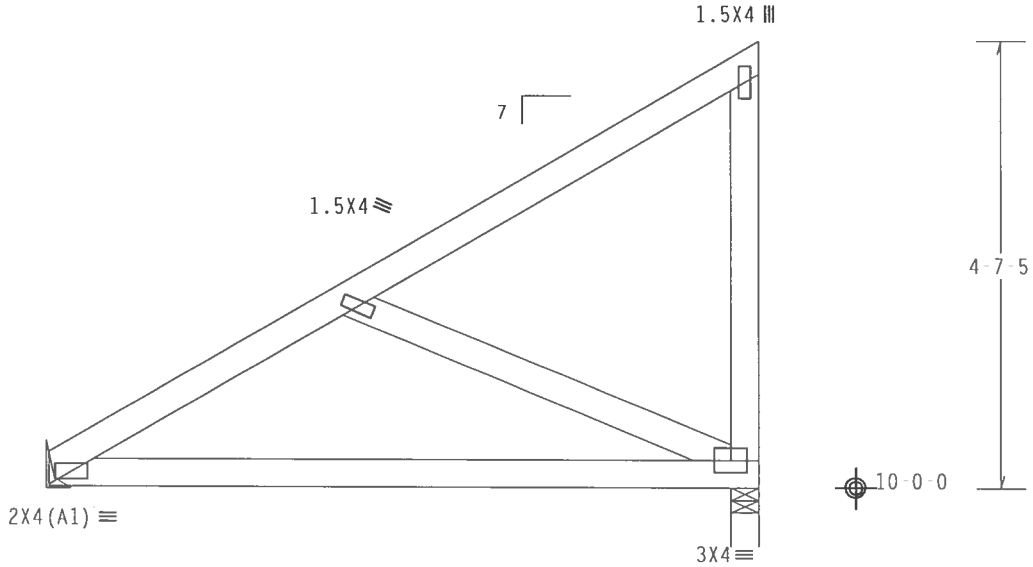
(J) hanger connection not found in inventory file for this condition. Provide connection.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



7-3-8 Over 2 Supports

R=308 U=180 (J)

R=298 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 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93416
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030021
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149378
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** M)

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

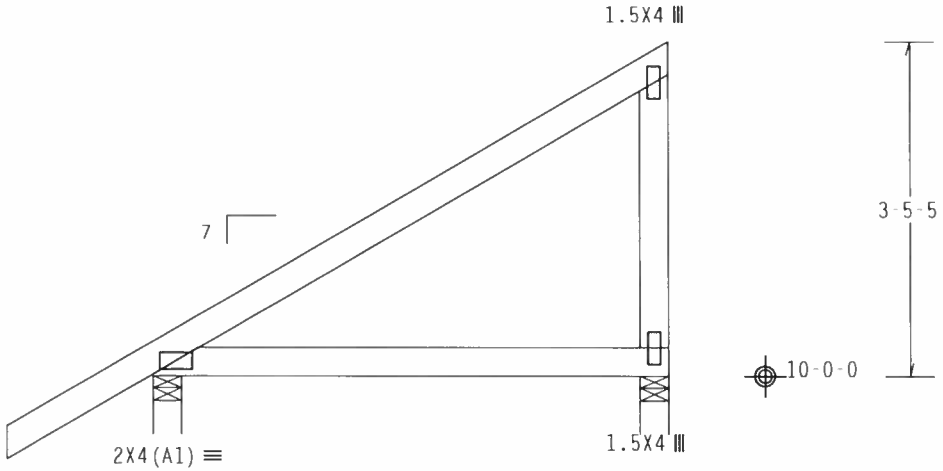
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1-6-0

5-3-8 Over 2 Supports

R=346 U=180 W=3.5" R=196 U=180 W=3.5"

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

PLT TYP. Wave

ALPINE
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ARTHUR R. FISHER LICENSE No.59887 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF	R487-- 93417
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030022
BC LL	0.0 PSF		HC-ENG MNM/AF *
TOT.LD.	40.0 PSF	SEQN-	149382
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** P2)

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

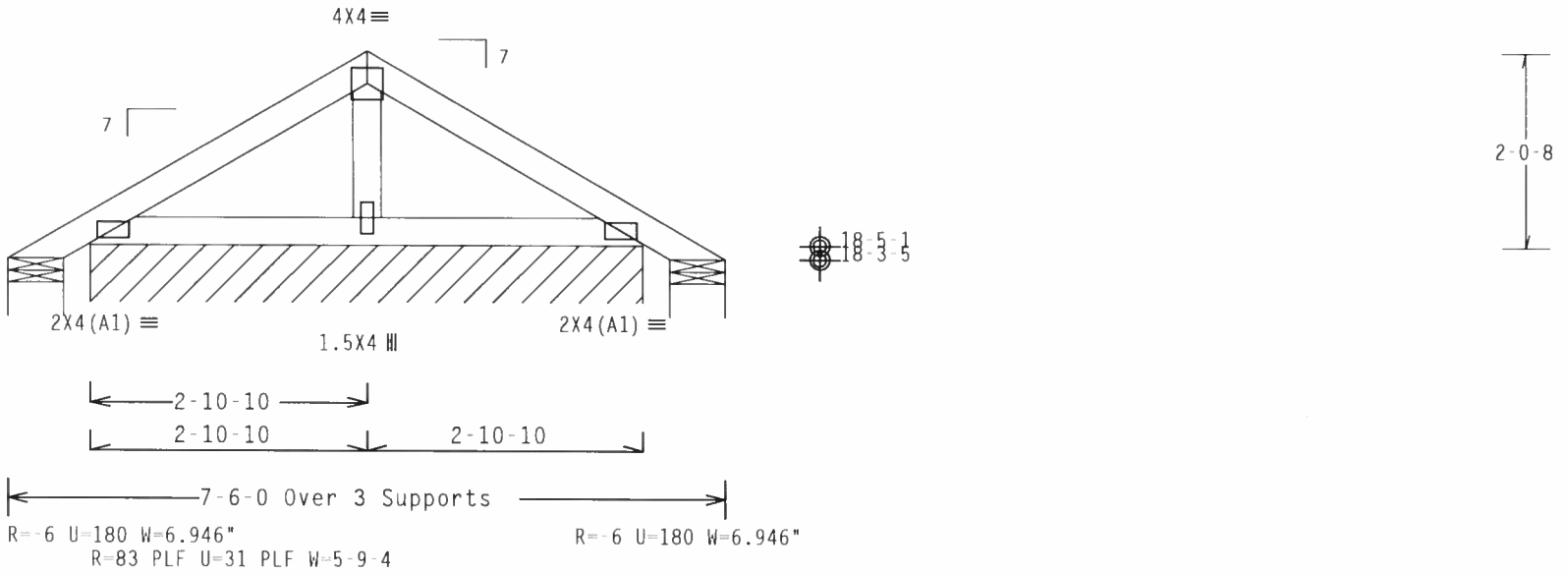
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.37 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=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93418
TC DL	10.0 PSF	DATE 01/30/07
BC DL	2.0 PSF	DRW HCUSR487 07030023
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	32.0 PSF	SEQN- 149476
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

(6 395--Stanley Crawford Construc WILMOTH -- , ** - P)

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

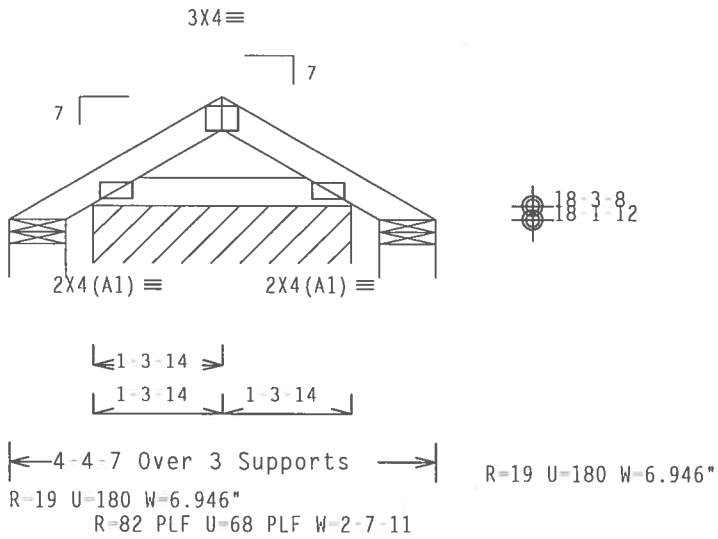
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 18.78 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=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.



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 =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 07

TC LL	20.0 PSF	REF R487-- 93419
TC DL	10.0 PSF	DATE 01/30/07
BC DL	2.0 PSF	DRW HCUSR487 07030024
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	32.0 PSF	SEQN- 149499
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

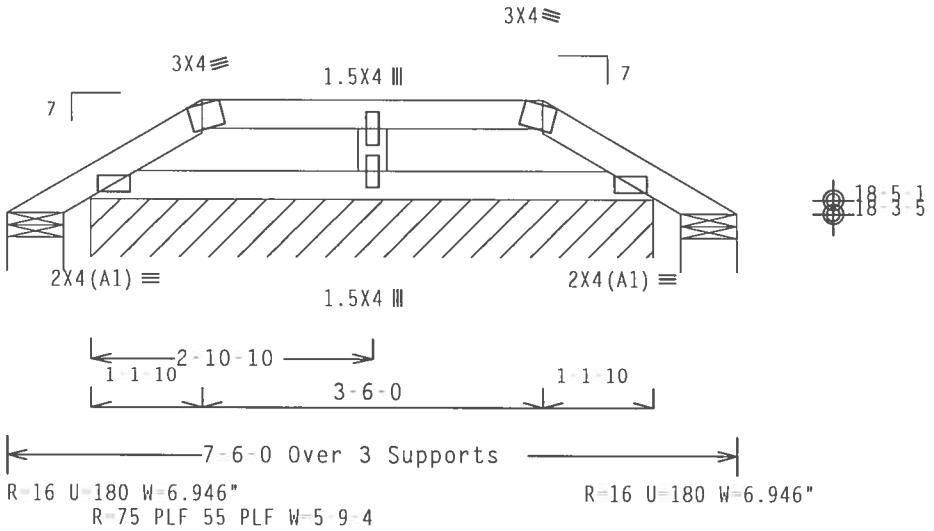
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 18.78 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=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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/55/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 31 '07

TC LL	20.0 PSF	REF	R487-- 93420
TC DL	10.0 PSF	DATE	01/30/07
BC DL	2.0 PSF	DRW	HCUSR487 07030025
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	32.0 PSF	SEQN-	149473
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

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

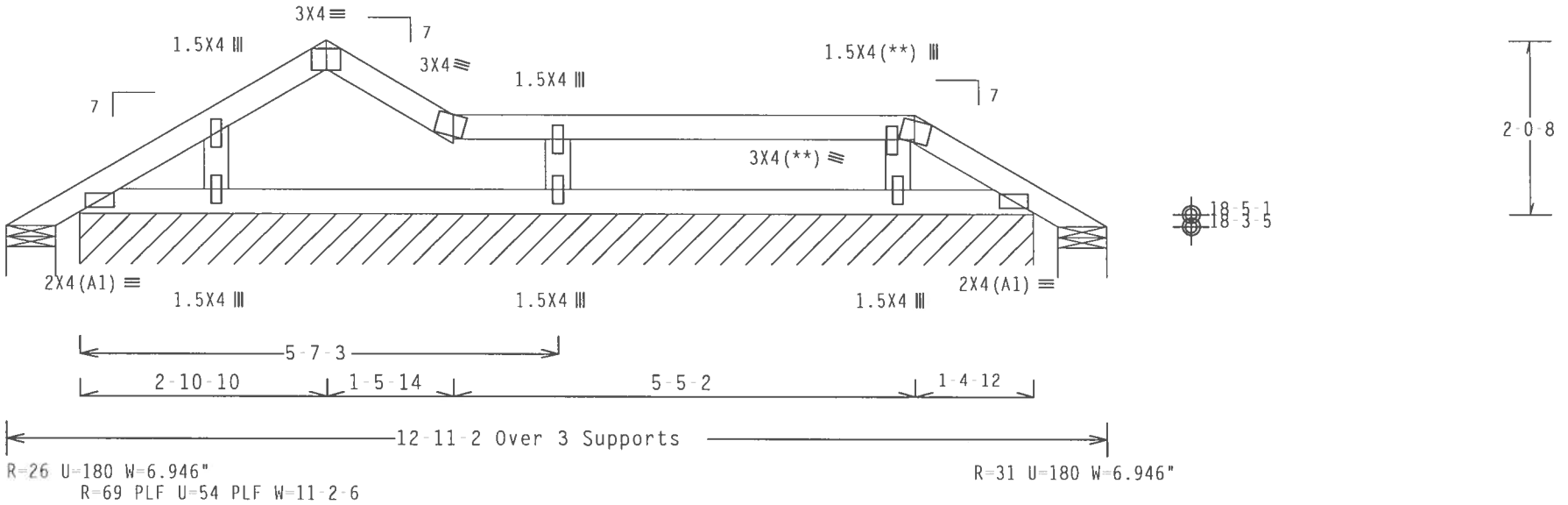
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 18.78 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=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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



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 =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93421
TC DL	10.0 PSF	DATE 01/30/07
BC DL	2.0 PSF	DRW HCUSR487 07030026
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	32.0 PSF	SEQN- 149479
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

(6 395 Stanley Crawford Construc WILMOTH , ** P4)

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

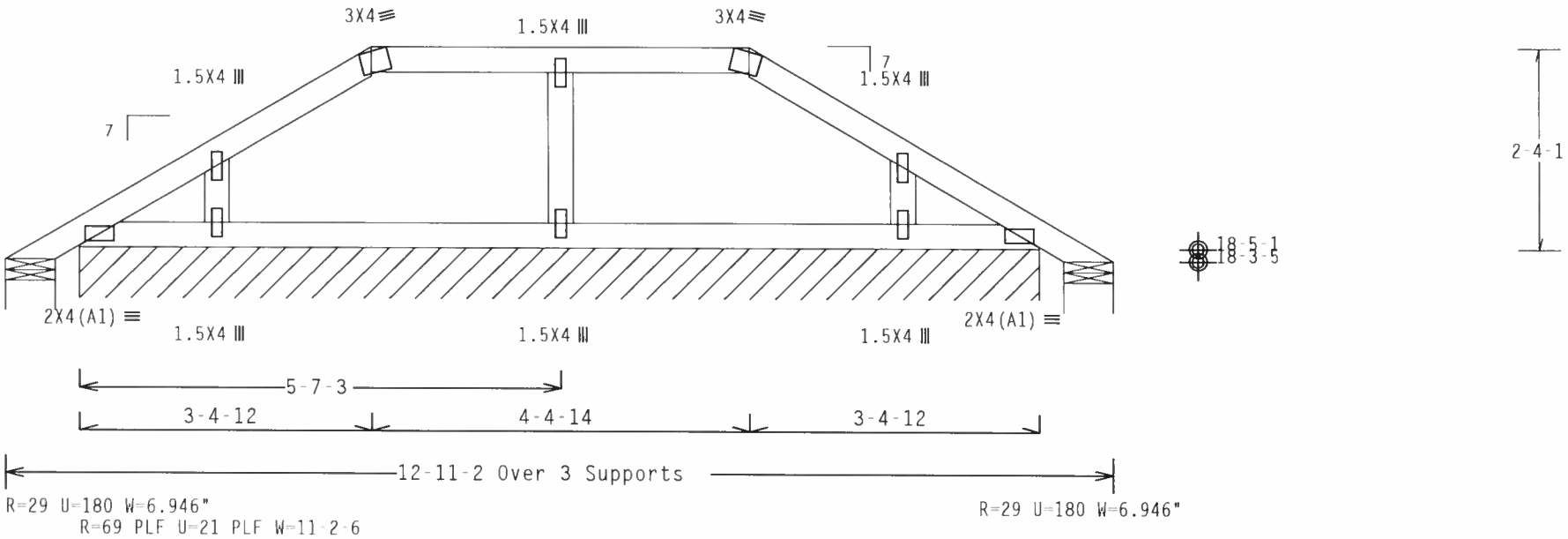
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.52 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=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible]:1 FL/-/4/-/-/R/-

Scale =.5"/Ft.

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

JAN 31 '07

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	2.0 PSF
BC LL	0.0 PSF
TOT.LD.	32.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF R487-- 93422
DATE 01/30/07
DRW HCUSR487 07030027
HC-ENG MNM/AF
SEQN- 149482
FROM JFB
JREF- 1T4G487_Z01

ALPINE

UTW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

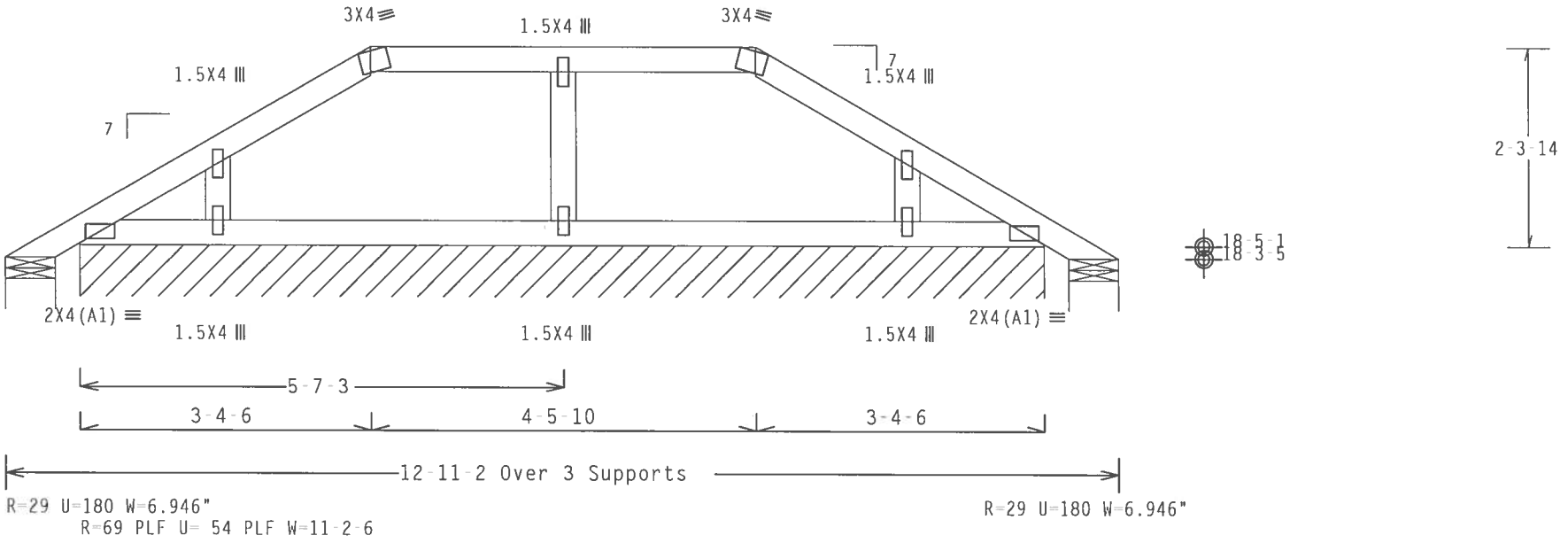
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 18.78 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=1.2 psf.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



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 =.5"/Ft.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31,07

TC LL	20.0 PSF	REF	R487-- 93423
TC DL	10.0 PSF	DATE	01/30/07
BC DL	2.0 PSF	DRW	HCUSR487 07030028
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	32.0 PSF	SEQN-	149485
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

(6-395--Stanley Crawford Construc WILMOTH -- , ** - P6)

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

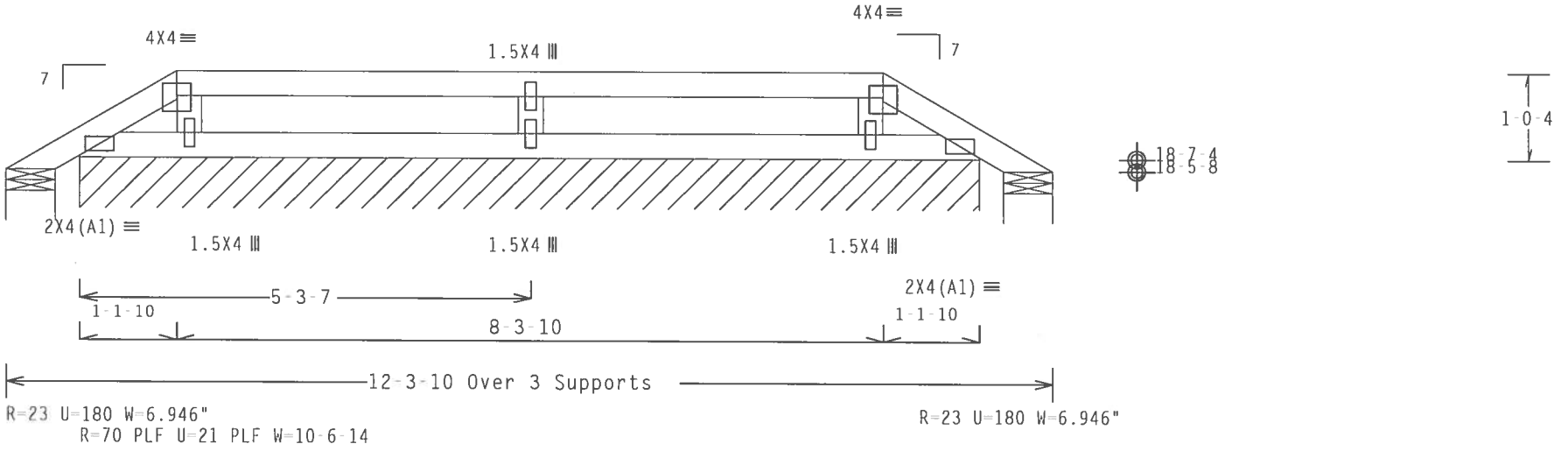
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.04 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=1.2 psf.

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 16 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 31 '07

TC LL	20.0 PSF	REF R487-- 93424
TC DL	10.0 PSF	DATE 01/30/07
BC DL	2.0 PSF	DRW HCUSR487 07030029
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	32.0 PSF	SEQN- 149488
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T4G487_Z01

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.

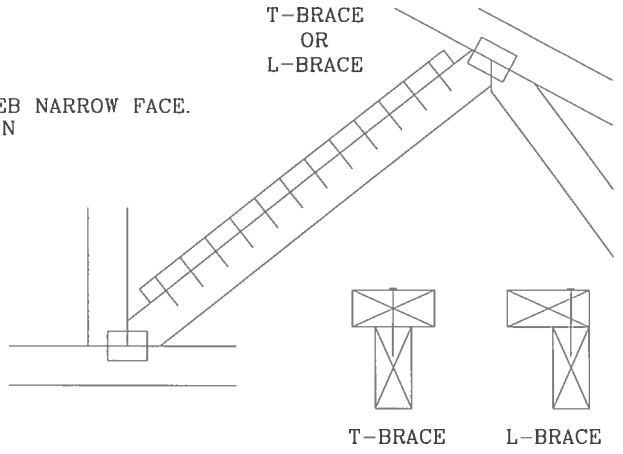
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

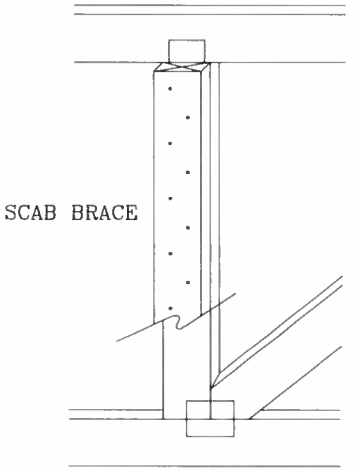
T-BRACING OR L-BRACING:

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

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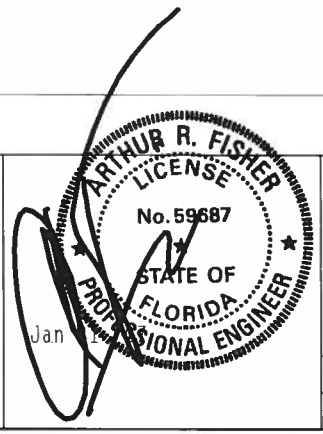


TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 11/1/06
BC DL	PSF	DRWG BRCLBSUB1106
BC LL	PSF	-ENG MLH/KAR
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

ASCE 7-02: 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 *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
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

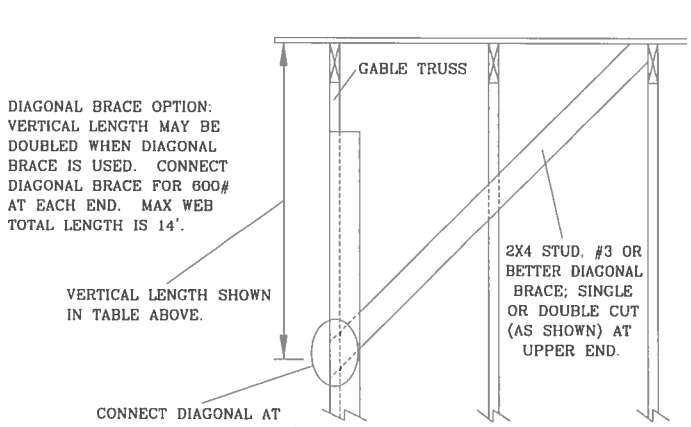
SOUTHERN PINE
#3
STUD
STANDARD

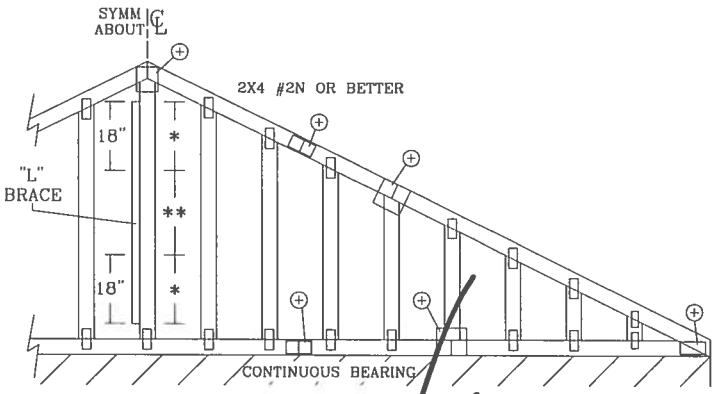
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX. GABLE VERTICAL LENGTH.

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.

ALPINE

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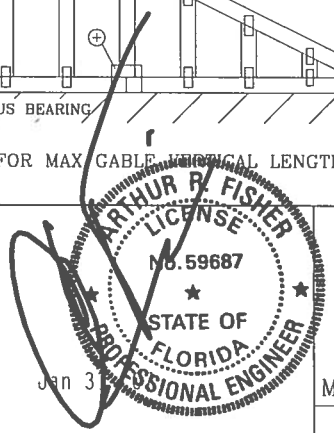
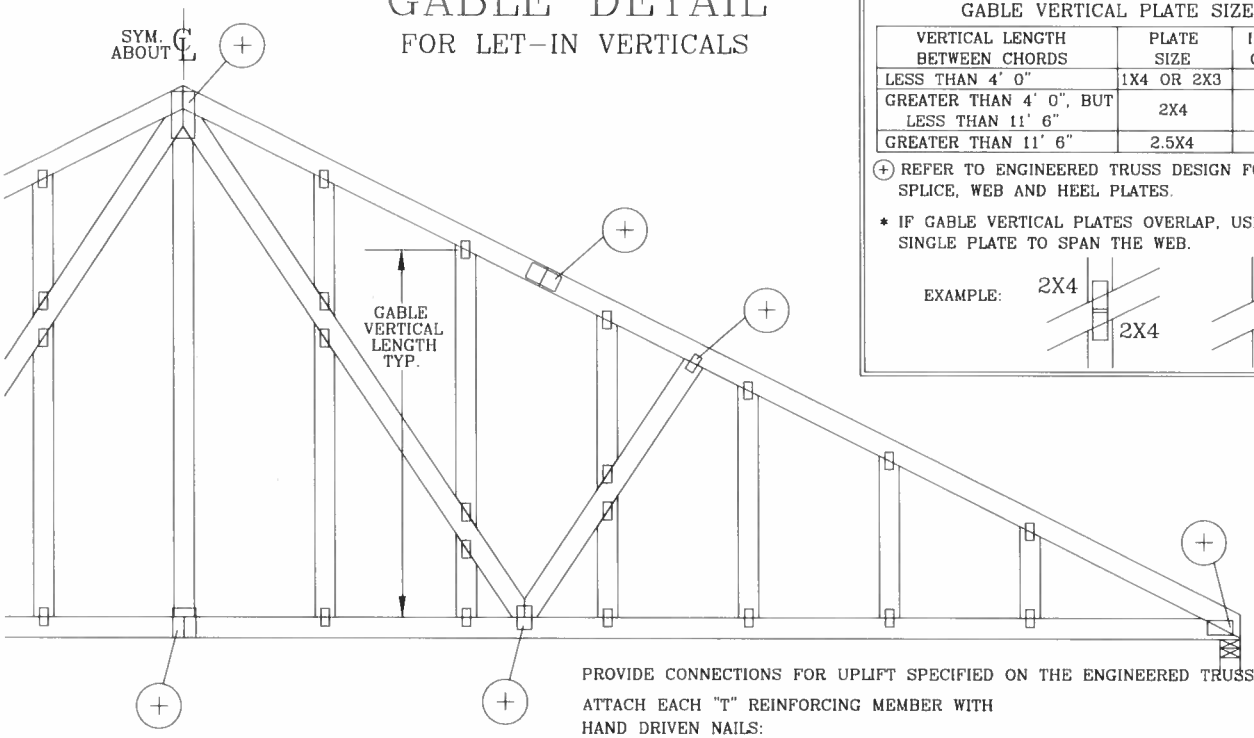


MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	11/1/06
DRWG	A11015EE1106
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

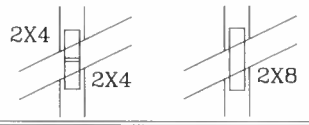


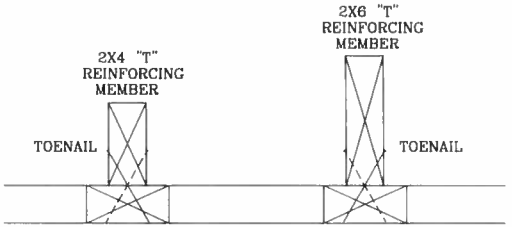
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ 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:





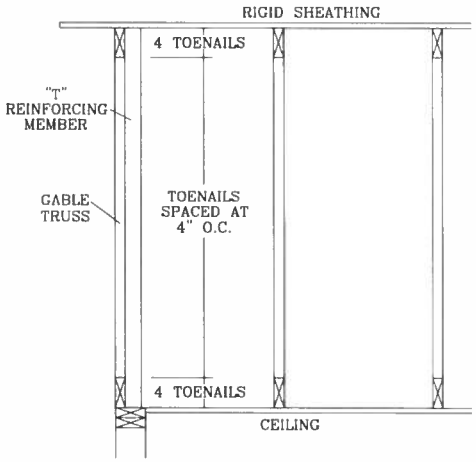
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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 (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) 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
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

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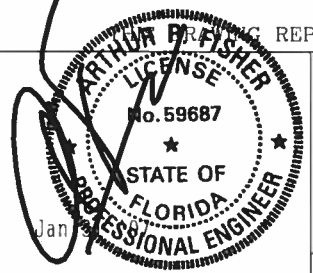

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	11/1/06
DRWG	GBLLETIN1106
-ENG	DLJ/KAR