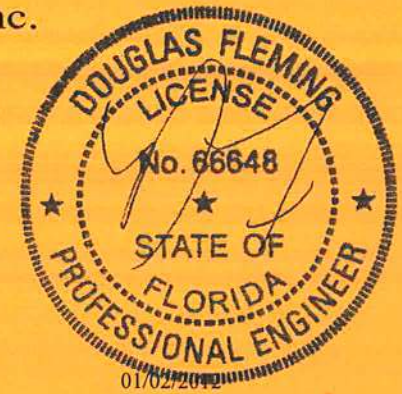


ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1UIB487-Z0102081424



Truss Fabricator: Anderson Truss Company
Job Identification: 11-232--Fill in later BRYAN ZECHER/GLENN -- , **
Truss Count: 103
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

Details: BRCLBSUB-PB120-

29863
New Set

Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	78179--A		12002048	01/02/12
2	78180--H23A		12002049	01/02/12
3	78181--H21A		12002050	01/02/12
4	78182--H19A		12002051	01/02/12
5	78183--H17A		12002052	01/02/12
6	78184--H15A		12002053	01/02/12
7	78185--H13A		12002054	01/02/12
8	78186--H11A		12002055	01/02/12
9	78187--H9A		12002056	01/02/12
10	78188--H7A		12002057	01/02/12
11	78189--AS5		12002058	01/02/12
12	78190--AS4		12002059	01/02/12
13	78191--AS3		12002060	01/02/12
14	78192--AS2		12002061	01/02/12
15	78193--AS1		12002062	01/02/12
16	78194--F7B		12002063	01/02/12
17	78195--HS9B		12002064	01/02/12
18	78196--HS11B		12002065	01/02/12
19	78197--HS13B		12002066	01/02/12
20	78198--H21B		12002067	01/02/12
21	78199--H23B		12002068	01/02/12
22	78200--B		12002069	01/02/12
23	78201--BC		12002070	01/02/12
24	78202--H15BT		12002071	01/02/12
25	78203--H17BT		12002072	01/02/12
26	78204--H19BT		12002073	01/02/12
27	78205--CG		12002074	01/02/12
28	78206--C1		12002075	01/02/12
29	78207--C		12002076	01/02/12
30	78208--H15C		12002077	01/02/12
31	78209--H13C		12002078	01/02/12
32	78210--H11C		12002079	01/02/12
33	78211--H9C		12002080	01/02/12
34	78212--H7C		12002081	01/02/12
35	78213--H7D		12002082	01/02/12
36	78214--H7D1		12002083	01/02/12
37	78215--H9D		12002029	01/02/12
38	78216--H11D		12002030	01/02/12

#	Ref	Description	Drawing#	Date
39	78217--D		12002031	01/02/12
40	78218--E		12002084	01/02/12
41	78219--E		12002085	01/02/12
42	78220--H3F		12002086	01/02/12
43	78221--FG		12002087	01/02/12
44	78222--H5G		12002088	01/02/12
45	78223--G		12002089	01/02/12
46	78224--H5H		12002090	01/02/12
47	78225--H		12002091	01/02/12
48	78226--EJ5T1		12002092	01/02/12
49	78227--EJ5T2		12002093	01/02/12
50	78228--EJ5T		12002032	01/02/12
51	78229--CJC		12002094	01/02/12
52	78230--HJT		12002095	01/02/12
53	78231--HJ5T		12002096	01/02/12
54	78232--EJ7T		12002033	01/02/12
55	78233--EJ7		12002097	01/02/12
56	78234--CJ1		12002098	01/02/12
57	78235--EJ3		12002034	01/02/12
58	78236--CJ3S		12002099	01/02/12
59	78237--EJ5		12002035	01/02/12
60	78238--HJ5		12002100	01/02/12
61	78239--EJ7H		12002101	01/02/12
62	78240--EJ7E		12002036	01/02/12
63	78241--HJ3		12002102	01/02/12
64	78242--CJ5S		12002103	01/02/12
65	78243--HJ7		12002104	01/02/12
66	78244--CJ1S		12002037	01/02/12
67	78245--EJ7G2		12002105	01/02/12
68	78246--H3M		12002106	01/02/12
69	78247--H5M		12002107	01/02/12
70	78248--M3G		12002108	01/02/12
71	78249--M5G		12002109	01/02/12
72	78250--EJ7S		12002038	01/02/12
73	78251--J3		12002110	01/02/12
74	78252--J2		12002111	01/02/12
75	78253--J1		12002039	01/02/12
76	78254--J4		12002040	01/02/12

#	Ref	Description	Drawing#	Date
77	78255--J5		12002041	01/02/12
78	78256--J6		12002042	01/02/12
79	78257--HJ7S		12002112	01/02/12
80	78258--EJ7G		12002113	01/02/12
81	78259--EJ7G1		12002114	01/02/12
82	78260--H7K		12002115	01/02/12
83	78261--M		12002043	01/02/12
84	78262--M1		12002044	01/02/12
85	78263--M2		12002116	01/02/12
86	78264--M3		12002117	01/02/12
87	78265--M4		12002118	01/02/12
88	78266--M5		12002119	01/02/12
89	78267--MG		12002120	01/02/12
90	78268--H21BP		12002121	01/02/12
91	78269--H23BP		12002122	01/02/12
92	78270--BP		12002123	01/02/12
93	78271--AP3		12002124	01/02/12
94	78272--AP2		12002125	01/02/12
95	78273--AP1		12002126	01/02/12
96	78274--AP		12002127	01/02/12
97	78275--H23AP		12002128	01/02/12
98	78276--H21AP		12002129	01/02/12
99	78277--H5T		12002130	01/02/12
100	78278--H7T		12002045	01/02/12
101	78279--H9T		12002046	01/02/12
102	78280--H11T		12002047	01/02/12
103	78281--TG		12002131	01/02/12

(11-232--Fill in later BRYAN ZECHE/GLENN --, ** - A)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MFERS loads based on trusses located at least 15.00 ft. from roof edge.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

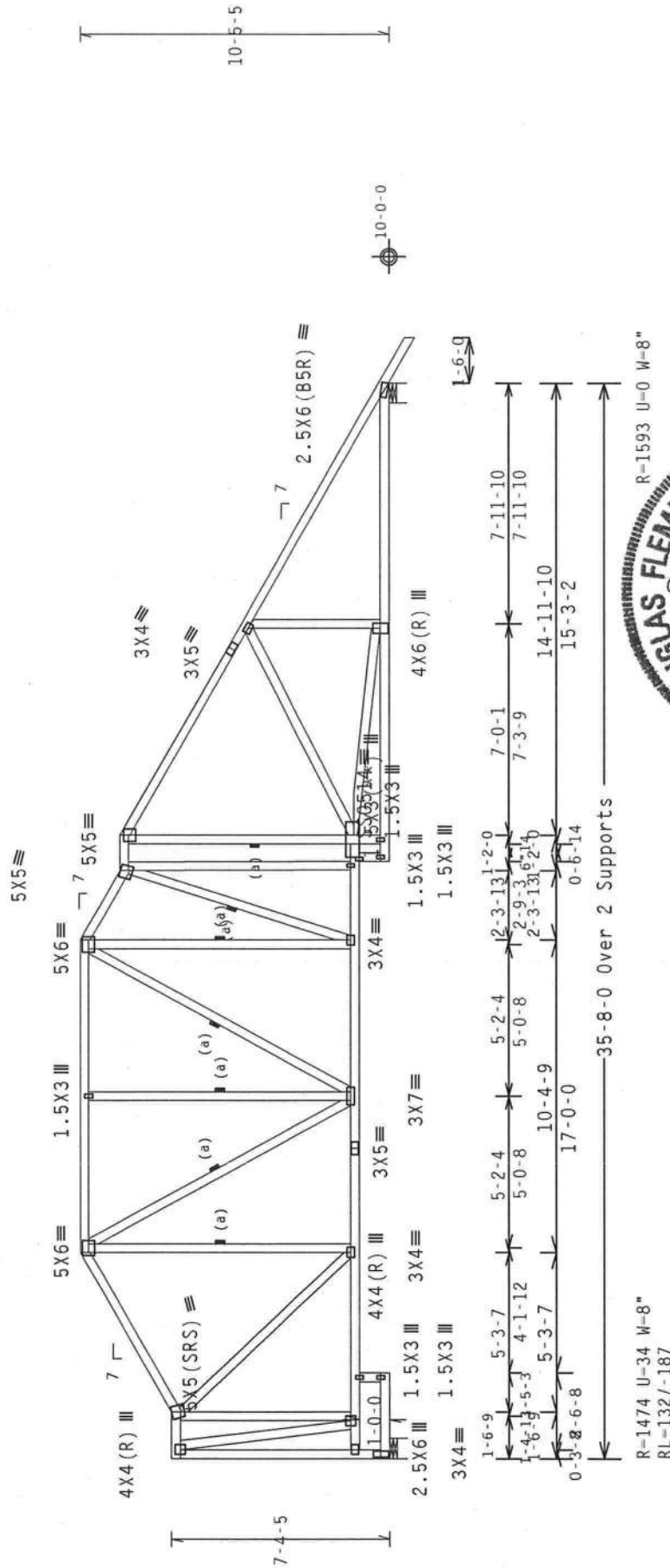
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, 1W-1.00 GCPI(+/-)-0.18

Wind loads and reactions based on MFERS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R-1474 U-34 W-8"
RL-132/-187

R-1593 U-0 W-8"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. 18 Gauge HS, Wave

Scale = .1875"/Ft.

FL/-4/-/-R/-

TY: 10.00.04.0604.16

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

01/02/2012

JREF - 1UIB487_Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

REF R487-- 78179

DATE 01/02/12

DRW HCUSR487 12002048

HC-ENG DF/DF

SEQN- 257209

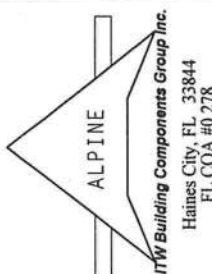
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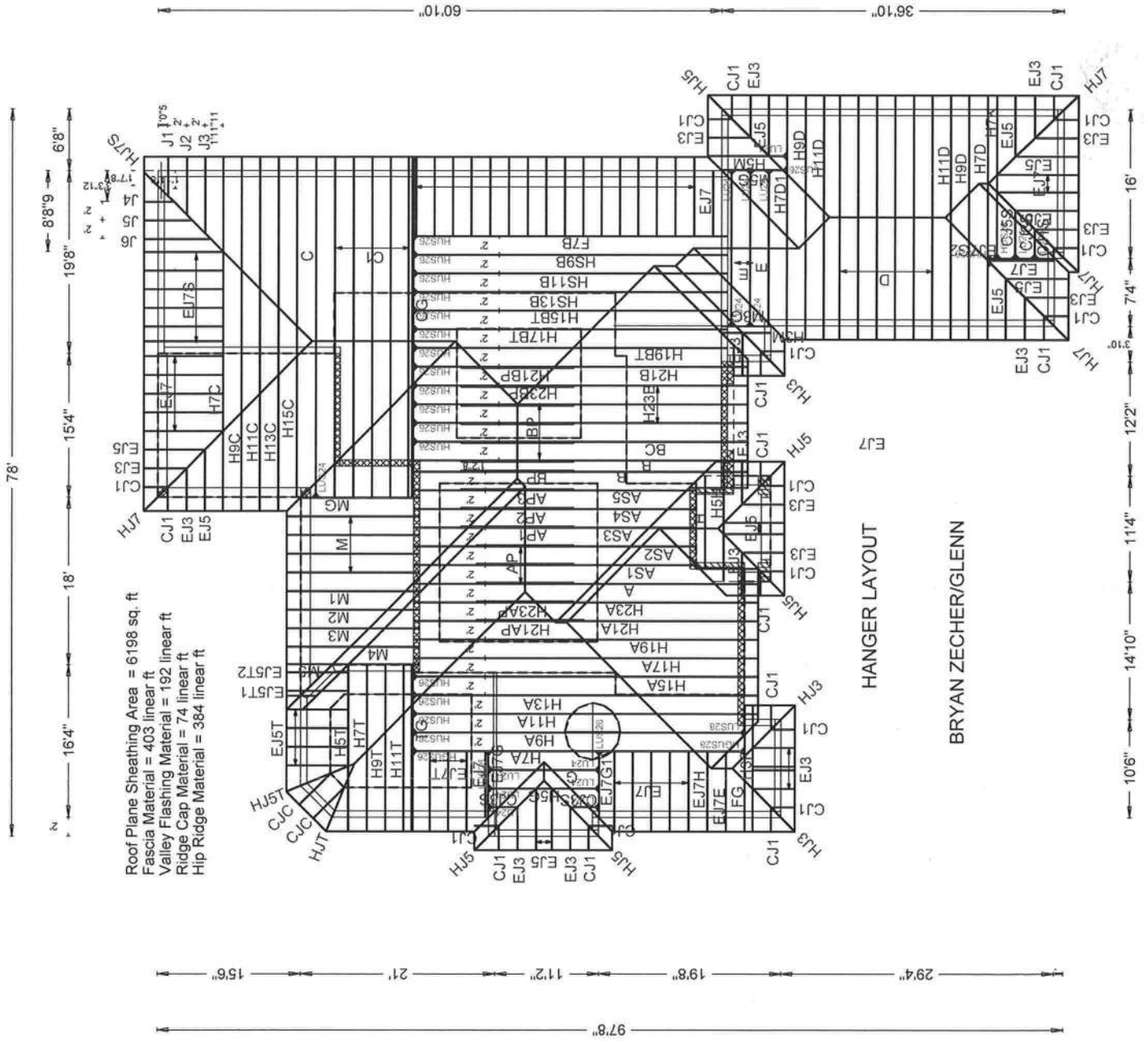
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and NCA) for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses must be braced in accordance with the proper bracing details shown on this drawing and bottom chord bracing shall be installed in accordance with the proper bracing details shown on this drawing. Trusses shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

THE Building Components Group Inc. (114863) shall not be responsible for any deviation from this design. Any deviation from this design shall be the responsibility of the installer. The installer shall be responsible for the bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; 11W-B60; www.11wb60.com; TPI: www.tpinet.org; NCA: www.ncaindustry.com; 11W-B60; www.11wb60.com; TPI: www.tpinet.org; NCA: www.ncaindustry.com.





(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - H23A)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

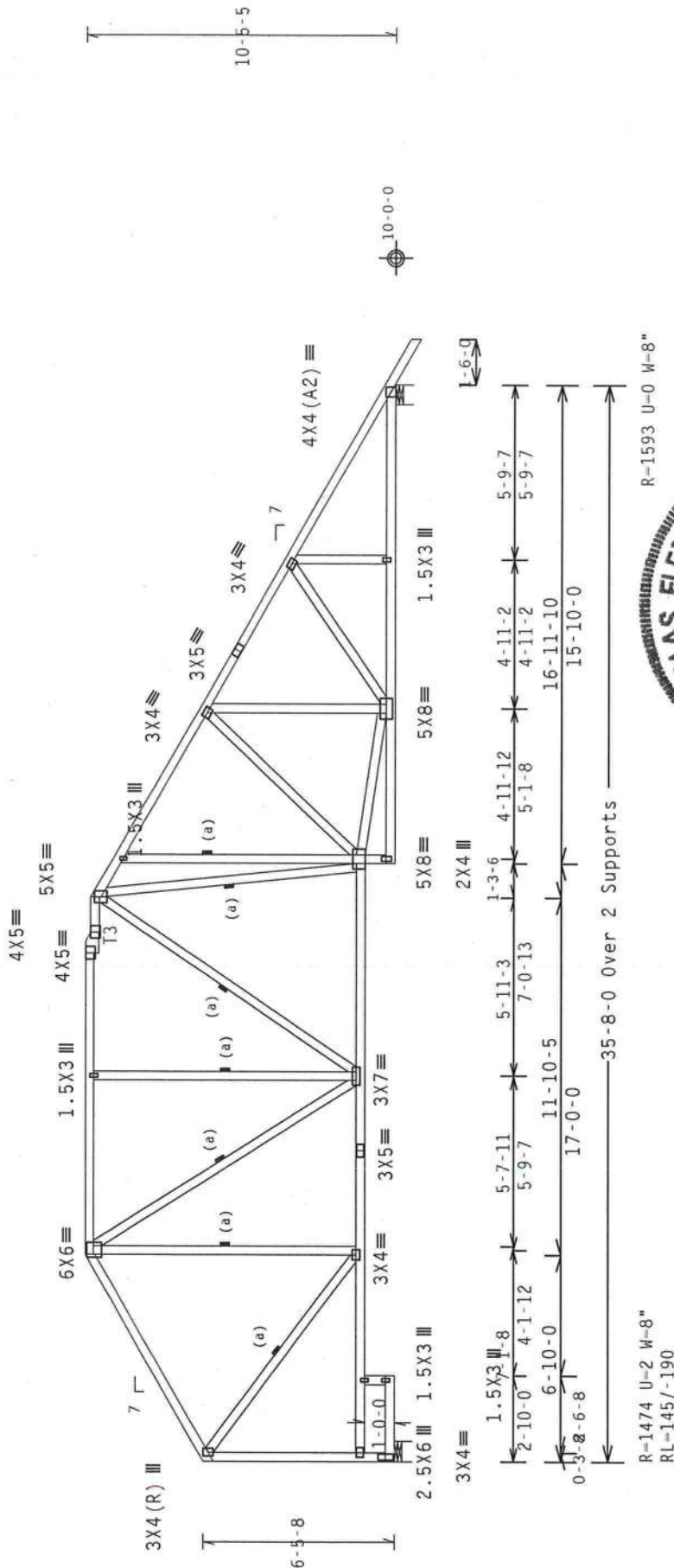
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 gcpi(+/-)-0.18

Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-1474 U-2 W-8"
RL=145/-190

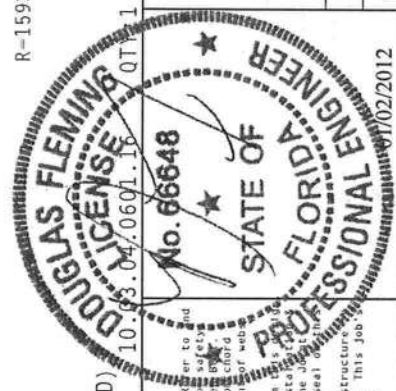
R-1593 U-0 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0(0)

PLT TYP. Wave

Scale = .1875" / Ft.

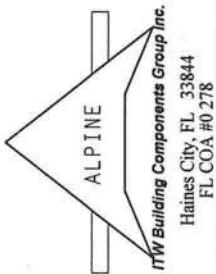
REF R487-- 78180
DATE 01/02/12
DRW HCUSR487 12002049
HC-ENG DF/DF
SEQN- 257240
DUR.FAC. 1.25
SPACING 24.0"



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for safety details, unless noted otherwise. Top chord shall have properly attached structural sheathing installed and shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

LTV Building Components Group Inc. (LTVBCG) shall not be responsible for any deviation from the design shown. Apply plates to each face of truss and position as shown above and on the Joint details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal of the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job is the property of LTVBCG. www.ltvbcg.com; TPI: www.tpinat.org; MICA: www.structure.com; ICC: www.iccsafe.org



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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffitt load.

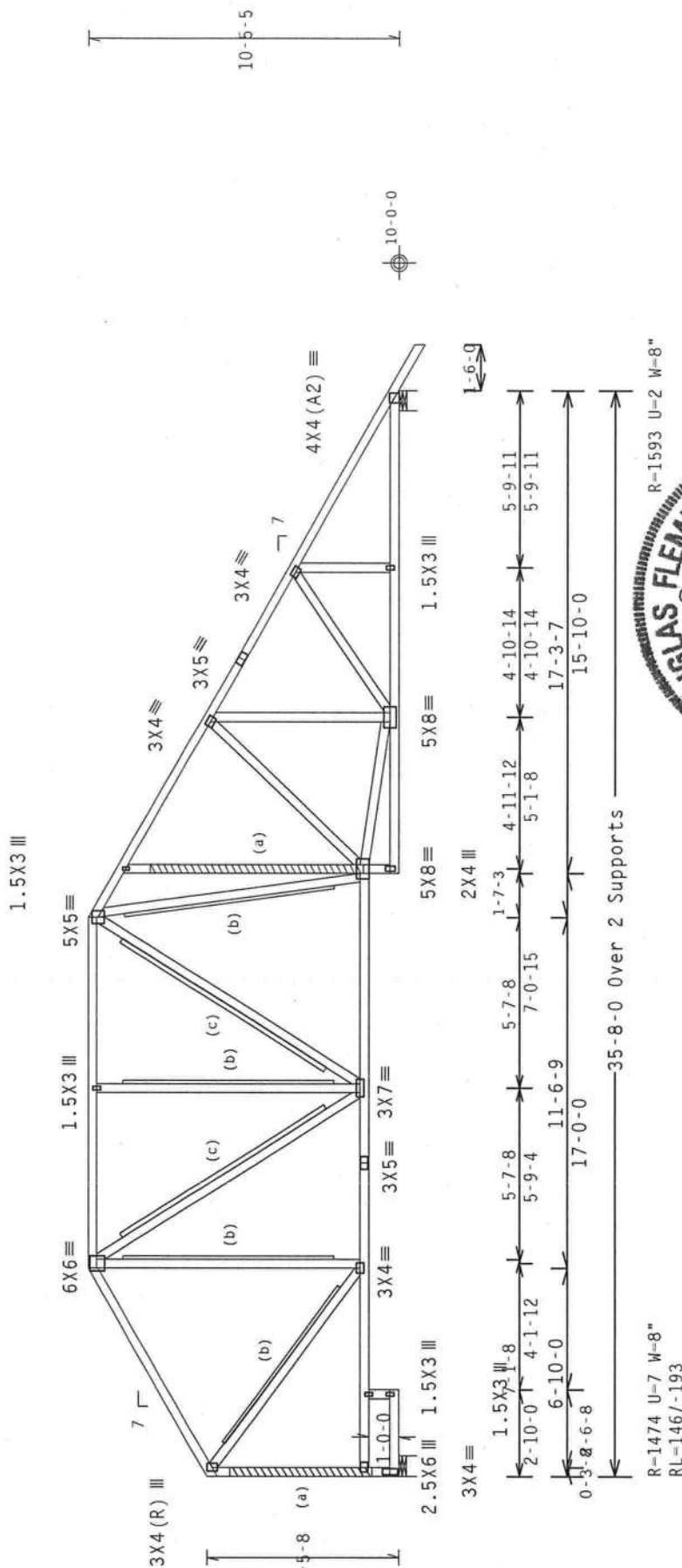
(c) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.)nails@ 6" OC.

(c) Zyx #3 or better. Place: 80% length in box or gun (0.135"x3.5", min.) nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.



R=1474 U=7 W=8"
RL=146/-193

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

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

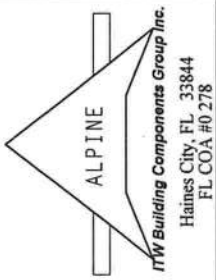
TC LL	20.0	PSF	REF_R487-- 78181
TC DL	10.0	PSF	DATE 01/02/12
BC DL	10.0	PSF	DRW HCUSR487 12002050
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 257255
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UIB487_Z01



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Practices... require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information for the correct practices for installing and bracing the BCS (bottom chord) and the temporary bracing for the BCS (bottom chord) and the temporary bracing for the BCS (bottom chord). The BCS (bottom chord) shall have a properly attached rigid ceiling. Bracing or shoring for permanent lateral restraint over the BCS shall have bracing installed per BCS1 sections 83, 87 or B10, as applicable.

ITW Building Components Group Inc. (ITW-BCG) shall not be responsible for any deviation from this specification. ITW-BCG shall be responsible for the design and construction of the building structure, including bracing of trusses, in compliance with ANSI/TPI 1 or, for handling, shipping, installation and erection of trusses, in compliance with ANSI/TPI 1-2. The drawings shall show the location and details, unless otherwise noted. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page; ITW-BCG: www.abcgroup.com; ITW-BCG: www.itwbcg.com; ITW-BCG: www.itwspin.org; NITCA: www.nitcaindust.com;



(11-232--Fill in later BRYAN ZECHER/GLENN -- ; ** - H19A)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

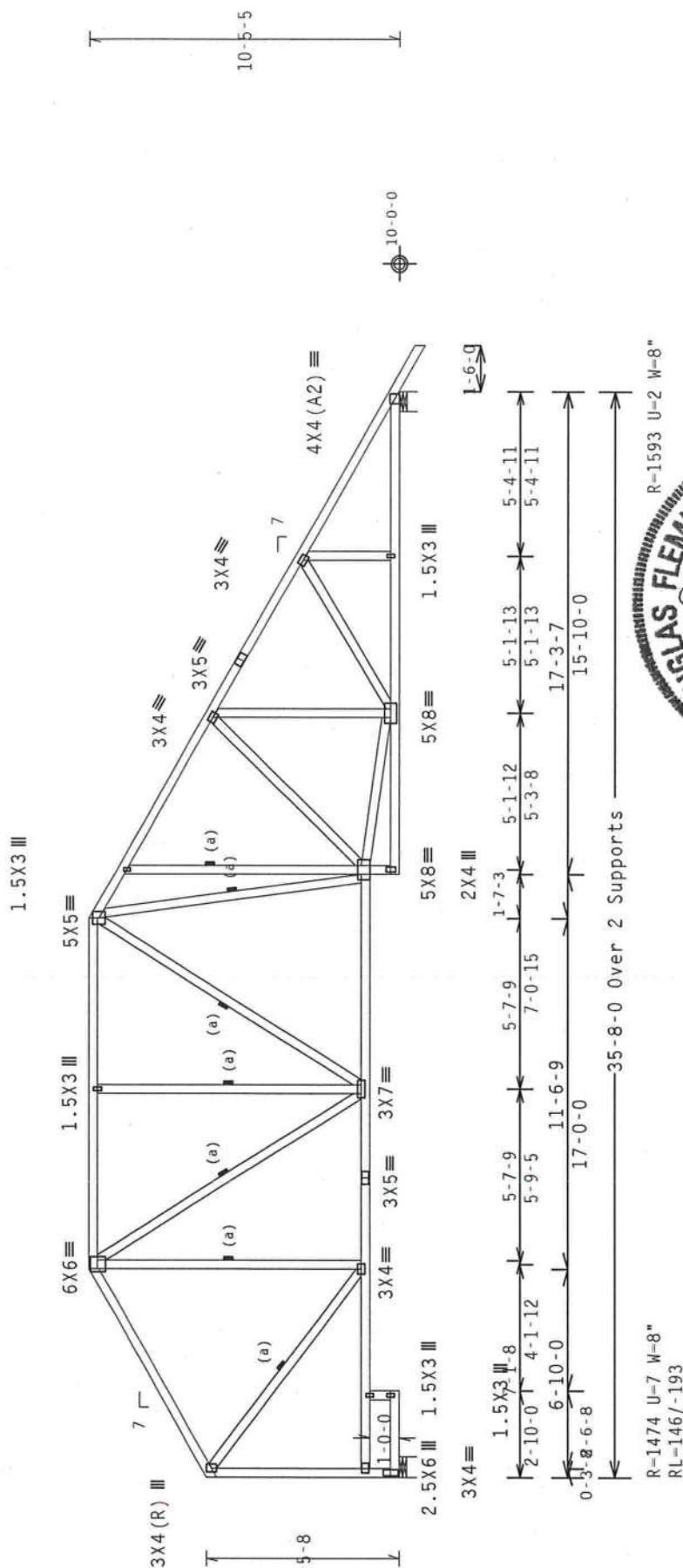
11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, lw=1.00 GCp1(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

WMFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-1474 U-7 W-8"
RL-146/-193

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

TC LL	20.0 PSF	REF R487-- 78182
TC DL	10.0 PSF	DATE 01/02/12
BC DL	10.0 PSF	DRW HCUSR487 12002051
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 257274
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIB487 Z01

[illegible]

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

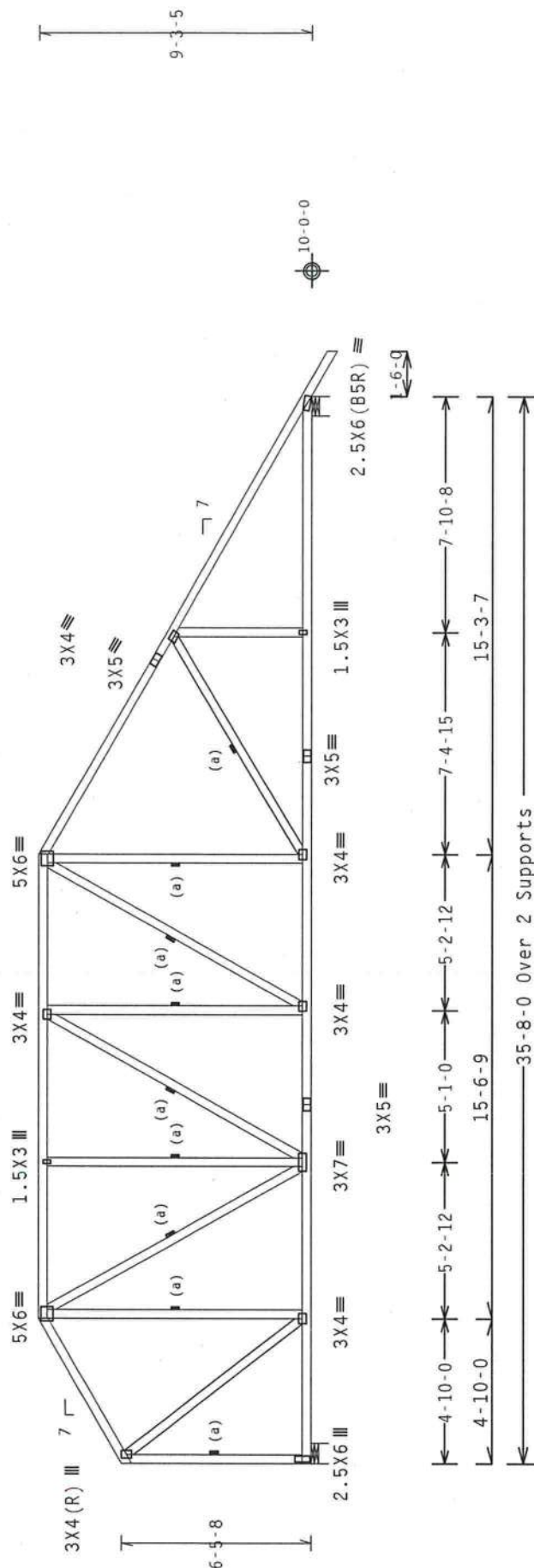
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-1474 U-36 W-8"
RL-121/-168

R=1593 H=11 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

Scale = 1875" / Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET.**

****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the following guidelines to ensure proper installation and bracing. Truss bracing practices prior to performing these functions. Installers shall provide temporary bracing for all trusses until they are properly braced. Trusses shall be braced in accordance with the following unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BC51 sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joints. Details, unless noted otherwise. Refer to drawings 1600A-2 for standard plate positions. A seal of the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the building designer per ANSI/IPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; IPI: www.tolnet.org; WTCA: www.abctindustry.com; ICC: www.iccsafe.org

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

02/20/2012

TC LL	20.0	PSF	REF	R487 --	78183
TC DL	10.0	PSF	DATE	01/02/12	
BC DL	10.0	PSF	DRW	HCUSR487	12002052
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	257281	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UIB487_Z01	

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - H15A)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

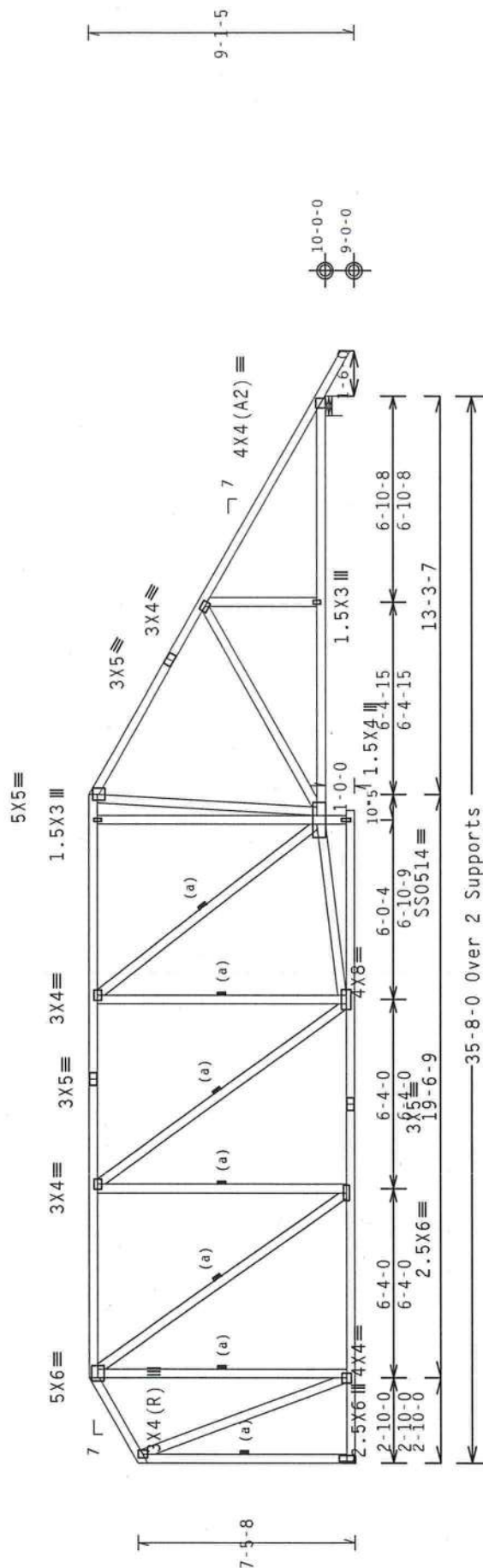
1110 mph wind. 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT II. EXP B. wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MEMBERS loads based on trusses located at least 15.00 ft. from roof edge.



R-1474 U-71
RL-96/-143

R=1593 U=14 W=8"

PLT TYP. 18 Gauge HS. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

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

[illegible]

(11-232--Fill) in later BRYAN ZECHER/GLENN -- . ** - H13A)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, LW-1.00 GCPI(+/-)-0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

SS0312 ≡

3X5 ≡

1.5X3 ≡

3X4 ≡

3X7 ≡

1.5X3 ≡

5X5 ≡

7

6-9-8

2.5X6 ≡

7X6 ≡

1.5X4 ≡

4X8 ≡

4X5 ≡

1.5X4 ≡

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

3X4 ≡

5X5 ≡

7-11-5

10-0-0

9-8-0

1.5X3 ≡

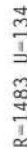
3X4 ≡

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

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R=1483 U=158
RL=26/-97

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$ FL/-/4/-/-/R/-
Scale = .1875"/Ft.

PLT TYP. Wave

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety Information, by IPI and WCA) for the latest practices noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Bottoms of trusses shall have permanent lateral restraint. Trusses shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ALPINE
NTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

A circular professional engineer seal for the State of Florida. The outer ring contains the text "FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The center of the seal contains the text "STATE OF" at the top and "No. 66648" below it. A signature is written across the seal. To the right of the seal, the date "07/02/2012" is printed vertically.

TC LL	20.0	PSF	REF R487-- 78187
TC DL	10.0	PSF	DATE 01/02/12
BC DL	10.0	PSF	DRW HCURS487 12002056
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEON- 257348
DUR.FAC.	1.25		
SPACING	24.0"		REF- 1UIB487_Z01

30t chord 2x6 SP #2 :B1 2x6 SP #1 Dense:

Webs 2x4 SP #3 :W2, W16 2x4 SP #1:

Special loads

----- (Lumber Our.Fac.-1.25 / Plate Our.Fac.-1.25)
TC- From 63 plf at 0.00 to 63 plf at 14.38

TC- From	63 p/f at 30.38 to
TC- From	63 p/f at 34.01 to 39.38

BC-From	20 p1f at	0.00 to	20 p1f at	6.33
100	100	100	100	100
90	90	90	90	90
80	80	80	80	80
70	70	70	70	70
60	60	60	60	60
50	50	50	50	50
40	40	40	40	40
30	30	30	30	30
20	20	20	20	20
10	10	10	10	10
0	0	0	0	0

[illegible]

BC- From 20 plf at 22.30 to 20 plf at 35.67

21.73, 23.79, 25.79, 27.73, 29.79

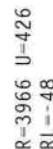
IC=	99.80	1b	Conc.	Load at 33.67	3.88	5.81	7.15
PC=	64.10	1b	Conc.	Load at 1.88			

21. 13.23.13.23.19.21.19.29.67
RC- 921 70 lb conc load at 8.10

BC- 929.20 1b Conc. Load at 20.00
BC- 82.30 1b Conc. Load at 31.73

[illegible]

Wind loads and reactions based on MWFRS with additional C&C member design.



PLT TYP. 20 Gauge HS.18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=1.0%(0%) /0(0)

IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by IPI and NCA) for safe practices prior to performing these functions. Installers shall provide temporary bracing in accordance with the manufacturer's instructions. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations for permanent lateral restraint/bracing shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

TC LL	20.0	PSF	REF R487--	78188
TC DL	10.0	PSF	DATE	01/02/12
BC DL	10.0	PSF	DRW	HCUSR487 12002057
BC LL	0.0	PSF	HC-ENG	DF/DF
TOT.LD.	40.0	PSF	SEQN-	257438
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UIB487_Z01

(11-232--Fill) in later BRYAN ZECHER/GLENN -- , ** - AS5)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W3 2x4 SP #2:

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.14" due to live load and 0.15" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

MFERS loads based on trusses located at least 33.70 ft. from roof edge.

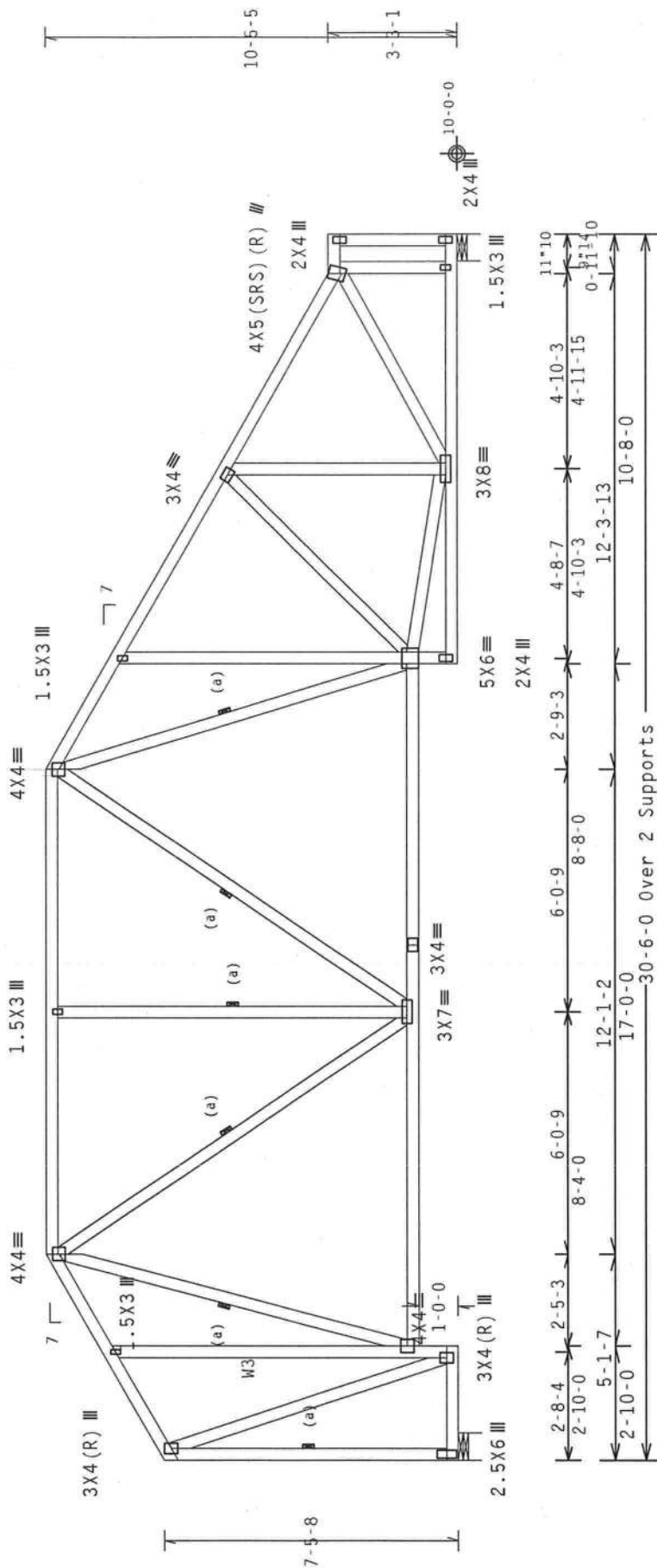
110 mph wind, 16.85 ft mean hgt, ASCE 7-05, CLOSED Bldg, not located within 9.00 ft from roof edge, Cat II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1W=1.00 GCPI (+/-)-0.18

Wind loads and reactions based on MFERS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R-1268 U-49 W-8"
RL-86/-130

R-1268 U-19 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .25" / Ft.

REF R487-- 78189

DATE 01/02/12

DRW HCUSR487 12002058

HC-ENG DF/DF

SEQN- 256953

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UIB487_Z01



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and NIAA) for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI details and shall have a properly attached rigid ceiling, locations shown for permanent lateral restraint only. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's TICS: www.ticssafe.org

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

:W3 2x4 SP #2:

110 mph wind, 17.43 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCp1(+/-)=0.18

End verticals not exposed to wind pressure.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

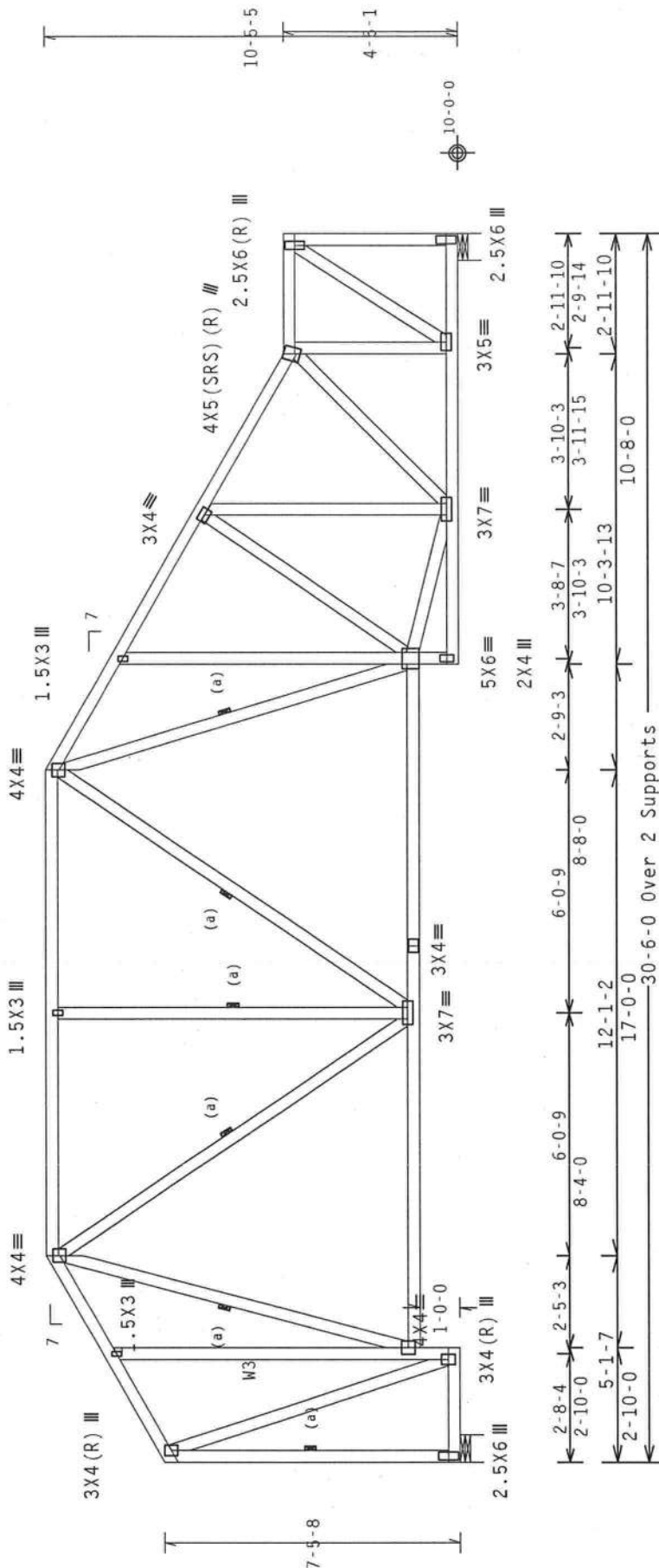
WFRS loads based on trusses located at least 34.87 ft. from roof edge.

Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R=1268 U=54 W=8"
RL=80/-112

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0(0)

PLT TYP. Wave

Scale = .25"/Ft.

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
IMPORTANT**

Installers require extreme care in fabricating, handling, shipping, installing and bracing Reinforced Polyethylene (RPE) ceiling systems. RPE ceiling systems are designed to be installed by trained installers using specific practices prior to performing these functions. Installers shall provide temporary bracing per Section 09600-Part 2, Division 9, "Finishes," and follow all instructions, drawings, specifications and manufacturer's literature. If any differences or discrepancies are noted otherwise, such third shall have properly attached structural sheathing and bottom chord members shall have a properly attached rigid ceiling. Ceiling shall be permanently restrained and braced as shown. All ceiling shall have bracing installed per S1 sections B3, B7 or B10, as applicable.

ALPINE

TTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Haines City, FL 33844
FL COA #0 278

02/2012

SPACING 24 0"

REF- 111TB487 701

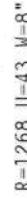
110 mph wind, 18.02 ft mean hgt. ASCE 7-05. CLOSED bldg, not located within 9.00 ft from roof edge. CAT 11. EXP 8. wind TC DL=5.0 psf. wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

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

Scale = .25"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

[illegible][illegible]

TC LL	20.0 PSF	REF R487-- 78191
TC DL	10.0 PSF	DATE 01/02/12
BC DL	10.0 PSF	DRW HCUSR487 12002060
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 256966
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIB487_Z01

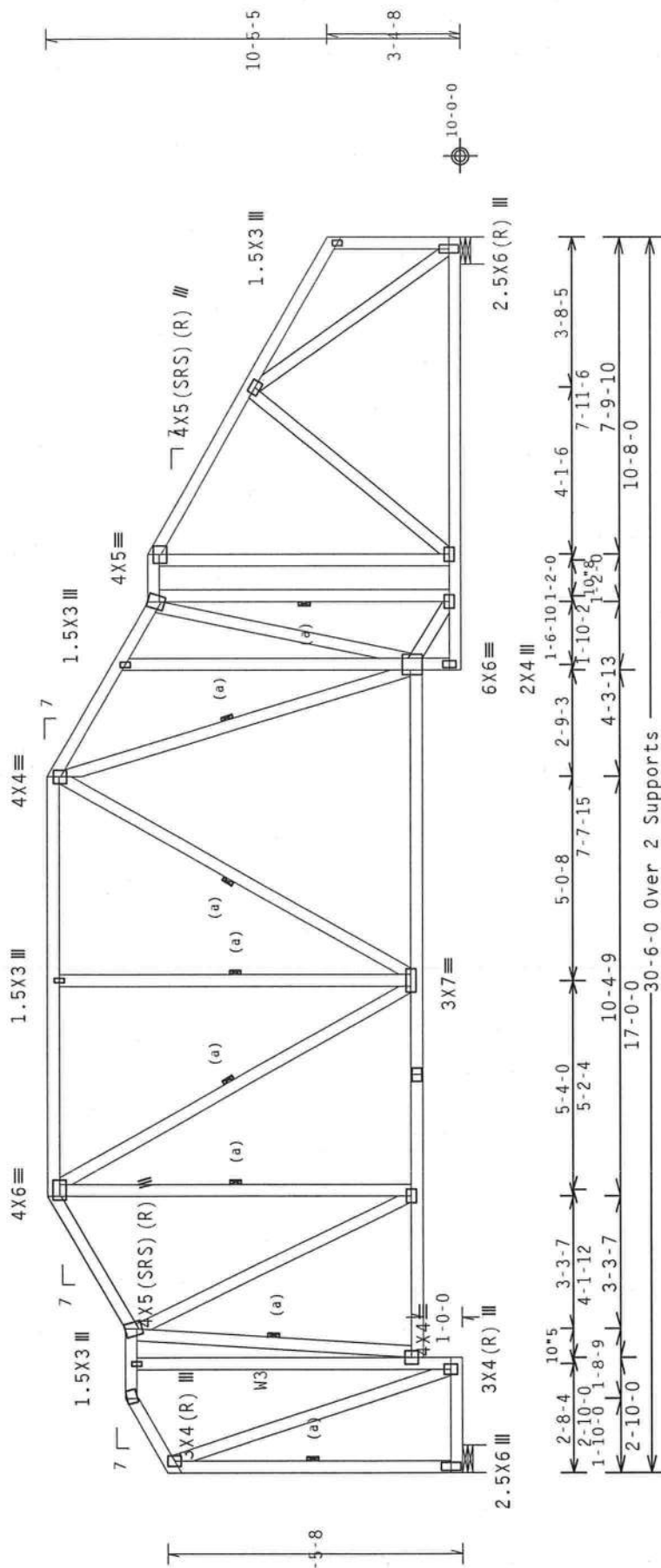
110 mph wind, 16.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ $G_{cp1}(+/-)=0.18$

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.14" due to live load and 0.15" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 16.91 ft. from roof edge.



R-1268 U-53 W-8"
RL-84/-127

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

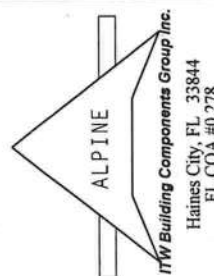
Scale = .25"/Ft.

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
IMPORTANT**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety) Information, by IPF and WCA for details on these functions. Installers shall provide temporary bracing perpendicular to the chord as needed otherwise, the chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Ceilings shown for permanent lateral restraint of webs shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

LTV Building Components Group Inc. (LVBGCS) shall not be responsible for any deviation from the manufacturer's instructions or failure to build the truss in conformance with ANSI/TPI-1 or for handling, shipping, installing, unloading, storing, bracing of trusses. Applied plates to each face of truss and position as shown above and on the Joint Detail Drawing are required details, unless noted otherwise. Refer to drawings LBOA-2 for standard plate positions. A seal around the perimeter of the drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building owner. LVBGCS does not warrant the quality of workmanship. This job is subject to change without notice.

LVBGCS: www.lvbgs.com; TPI: www.tpi-inc.org; NCA: www.ncaindustry.com;
ICC: www.iccsafe.org



TC LL	20.0 PSF	REF R487-- 78193
TC DL	10.0 PSF	DATE 01/02/12
BC DL	10.0 PSF	DRW HCUSR487 12002062
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 256987
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIB487_Z01

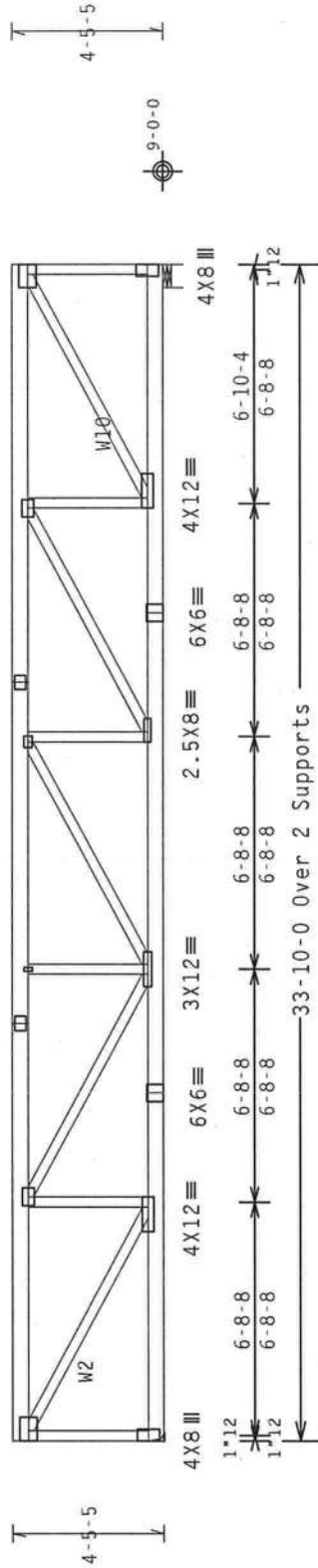
(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - F7B)

Top chord 2x6 SP M-26
Bot chord 2x6 SP M-26
Webs 2x4 SP #3 : W2, W10 2x4 SP #2:
End verticals not exposed to wind pressure.
Max JT VERT DEFL: LL: 0.24" DL: 0.26" recommended camber 1/2"
Deflection meets L/240 live and L/180 total load.
The TC of this truss shall be braced with attached spans at 24" OC in live of structural sheathing.

110 mph wind. 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCPI(+/-)-0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
Girder supports 7'-0" span to TC/BC split one face and 2'-0" span to TC/BC split opposite face.
Truss must be installed as shown with top chord up.

1.5X3 III 4X5 III

6X8 III 4X6 III 4X5 III 3X4 III 4X6 III 6X8 III



R-3165 U-267 3165 U-267 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%/0(0)

Scale = .1875"/Ft.

PLT TYP. Wave

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2.1. For more information see: This Job's ICC: www.iccsafe.org; IPI: www.tpiinst.org; WICA: www.wicaindustry.com			FL / - / 4 / - / - / R / -		
	TC LL	20.0 PSF	REF	R487 - -	78194	
	TC DL	10.0 PSF	DATE	01/02/12		
	BC DL	10.0 PSF	DRW	HCUSR487	12002063	
	BC LL	0.0 PSF	HC-ENG	DF/DF		
	TOT.LD.	40.0 PSF	SEQN	256749		
	DUR.FAC.	1.25				
	SPACING	24.0"	JREF	1UIB487_Z01		

(11-232--Fill in later BRYAN ZECHER/GLENN -- . ** - HS9B)

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

End verticals not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MFERS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. Cat II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl (+/-)=0.18

Wind loads and reactions based on MFERS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

3X5=

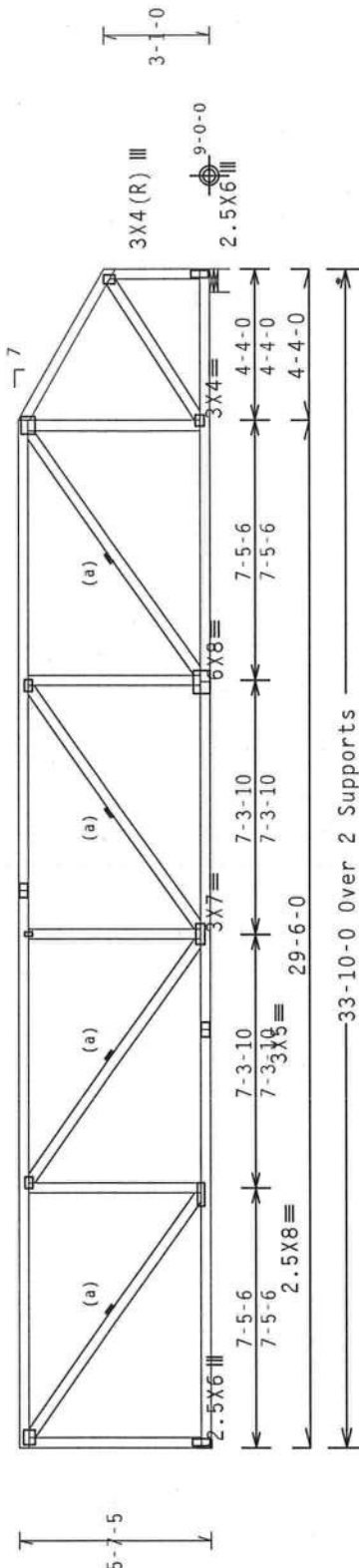
4X5=

3X4=

1.5X3 III

3X4=

5X6=



R-1407 U-152
RL--58

R-1407 U-131 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

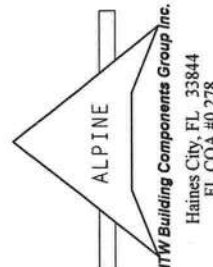
FL/-/4/-/-/R/-

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	78195
TC DL	10.0 PSF	DATE	01/02/12	
BC DL	10.0 PSF	DRW	HCUSR487	12002064
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN	256757	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UIB487_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and WCA for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI details and shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. ITWBCG does not warrant the design for any structure. This Joo's the responsible party. ITWBCG: www.itwbcg.com TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICCI: www.iccinfo.org



(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - HS11B)

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

End verticals not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MNFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, lw=1.00 GCpf(+/-)-0.18

Wind loads and reactions based on MNFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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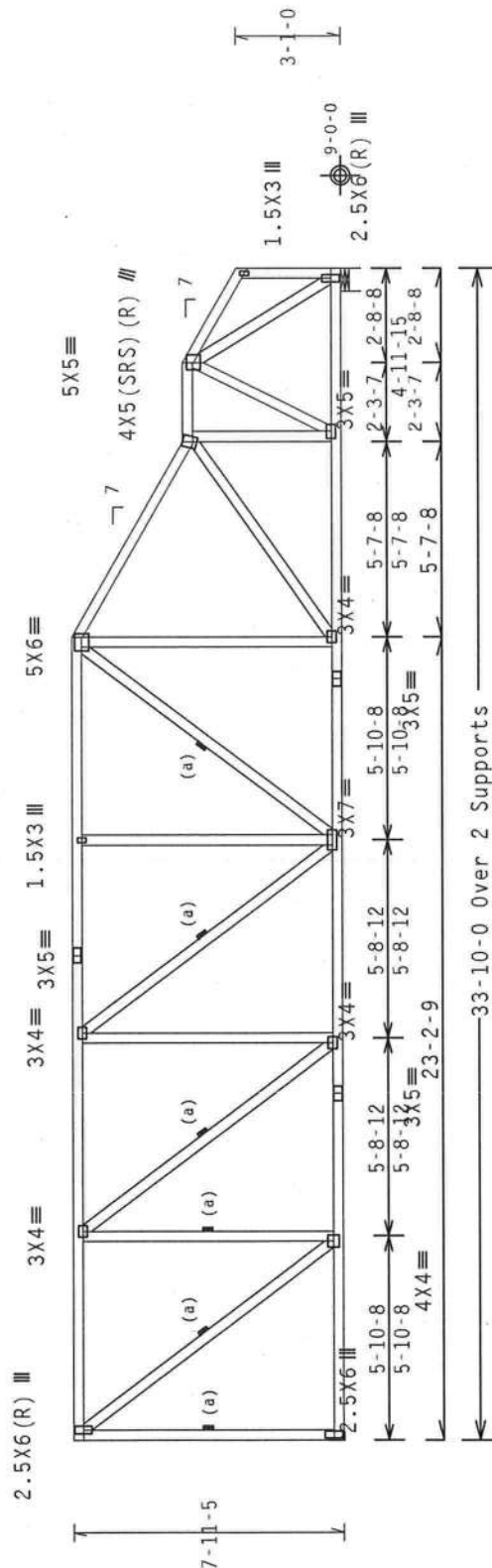
11110 mph wind. 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg, not located within 9.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCp1 (+/-)=0.18

End verticals not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMWFRS Loads based on trusses located at least 7.50 ft. from roof edge.



R-1407 U-160
RL-28/-111

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .1875" / Ft.

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

EF R487-- 78197

TC LL	20.0 P
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DATE 01/02/12

1000

FILE 01/02/12

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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RW HCUSR487 12002066

8C DL 10:0 P

IC-ENG DF/DF

77 38 0.0 P

EQN- 256771

TOT.LD. 40.0 P

OUR.FAC. 1.25

REF- 1UTB487 701

SPACING 24.0"

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING, INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Components Safety Information, by IPI and MCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing and shoring as needed. No business notes otherwise. Contractor shall have properly attached structural sheathing and blocking installed and braced prior to installing roof sheathing. All lateral bracing shall be installed per BCSP sections R301 - R306 and R307 - R310, as applicable.

TH Building Components Group, Inc. (THBG) shall not be responsible for any deviation from the instructions contained herein. The user is to comply with ANSI/TPI for handling, shipping, installation and packaging of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal of the manufacturer is required on all drawings. The user is to follow the instructions on the drawings for the responsibility and cover plate listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. Please refer to the following information for more details. This job is the property of THBG. All rights reserved. © 1999 THBG. www.thbg.com; tpi.net; tpi@tpi.net; nca; www.thbgindus.com; 1-800-355-5474

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. lw=1.00 GCp1 (+/-)=0.18

Left end vertical not exposed to wind pressure.

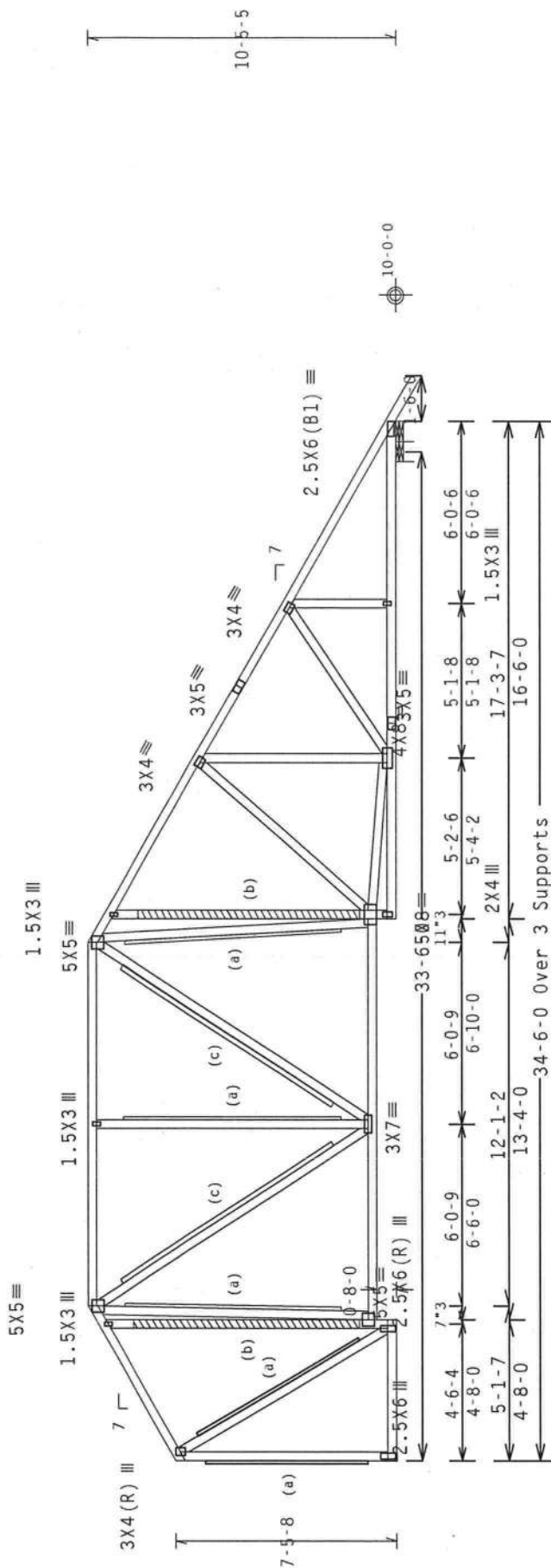
Roof overhang supports 2.00 psf soffit load.

(a) 1x4 #3SR8 SPF-5 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

MMWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1421 U=32
RL=129/-186

R-212 U=0 W=8"
11-10 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%) / 0(0)

Scale = .1875" / Ft.

TC LL	20.0	PSF	REF R487--	78198
TC DL	10.0	PSF	DATE	01/02/12
BC DL	10.0	PSF	DRW	HCUSR487 12002067
BC LL	0.0	PSF	HC-ENG	DF/DF
TOT.LD.	40.0	PSF	SEQN-	256809
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	IUIB487 Z01



****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses shall be installed in accordance with the following instructions. Trusses shall follow the latest edition of BCSP (Building Component Safety Information, by TPI and KICA) for all practices prior to performing these functions. Installers shall provide temporary bracing per the instructions noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

LTV Building Components Group Inc. (L148650) shall not be responsible for any deviation from the design shown. Failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or detailing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A 3/4" x 3/4" x 1/2" plate shall be used for all connections. Refer to drawings 160A-2 for standard plate positions. A 3/4" x 3/4" x 1/2" plate shall be used for all connections. The responsibility solely for the design shown. The suitability and use of this design for any application is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: the general notes page: L148-BCO: info@lbcog.com; TPI web: tppi.net; KICA: www.kicondustory.com

ALPINE

NTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

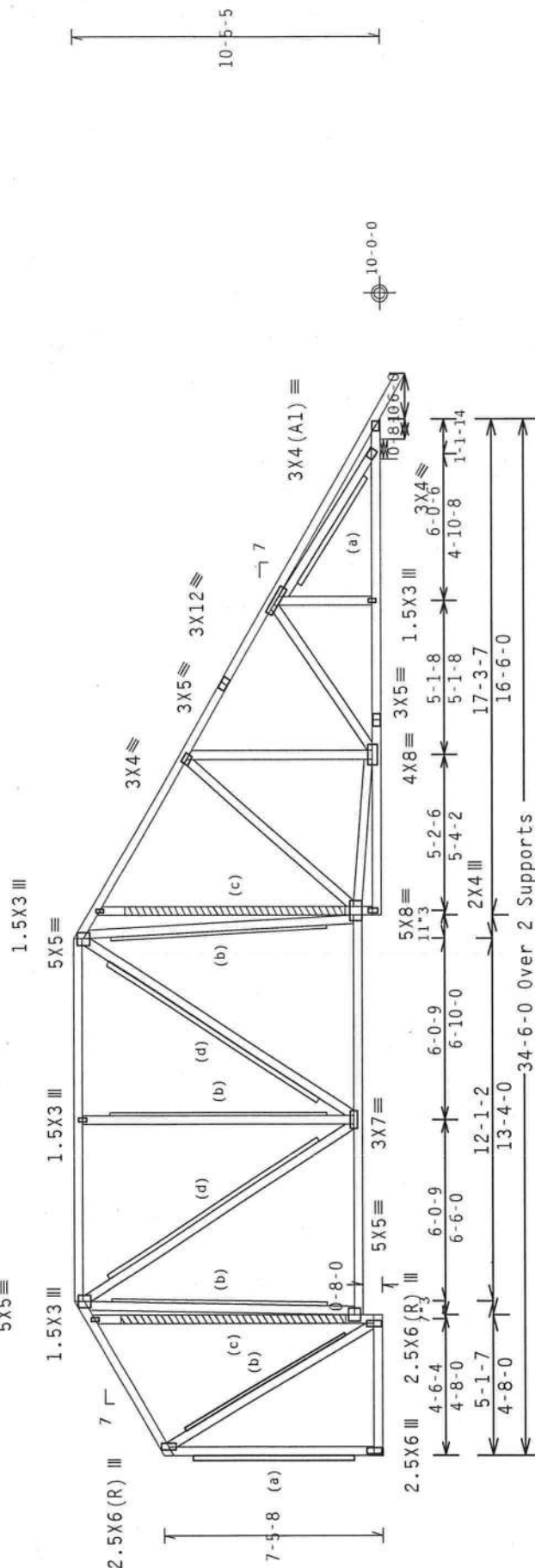
Calculated horizontal deflection is 0.17" due to live load and 0.15" due to dead load.

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

(c) #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.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=1570 U=32
RL=129/-186

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

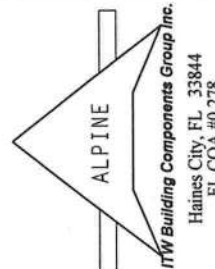
3 FL/-/4/-/-/R/-/-

Scale = .1875"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
 IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following for the latest edition of GRSI (Building Component Safety Information, by TPI and WCA) truss safety and erection practices prior to performing these functions. Installers shall provide temporary bracing until the chord has been properly attached to the ceiling. Locations shown for permanent lateral restraint of chords shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per GRSI sections 83, 87 and 810, as applicable.

THE Building Components Group, Inc. (TBGCO) shall be responsible for any deviation from the design of the building design per ANSI/AISC 360-2. TBGCO shall be responsible for the pricing of trusses. Apply plates to each face of truss and position as shown above and on the job site. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover plate listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/AISC 360-2. For more information see: This job's TBGCO web site: www.tbgroup.com or web@tbgroup.com. TBGCO web: www.tbgroup.com or web@tbgroup.com. TBGCO web: www.tbgroup.com or web@tbgroup.com.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

02/02/2012

02/02/2012

02/02/2012

(11-232--Fill) in later BRYAN ZECHER/GLENN -- , ** - B)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)-0.18

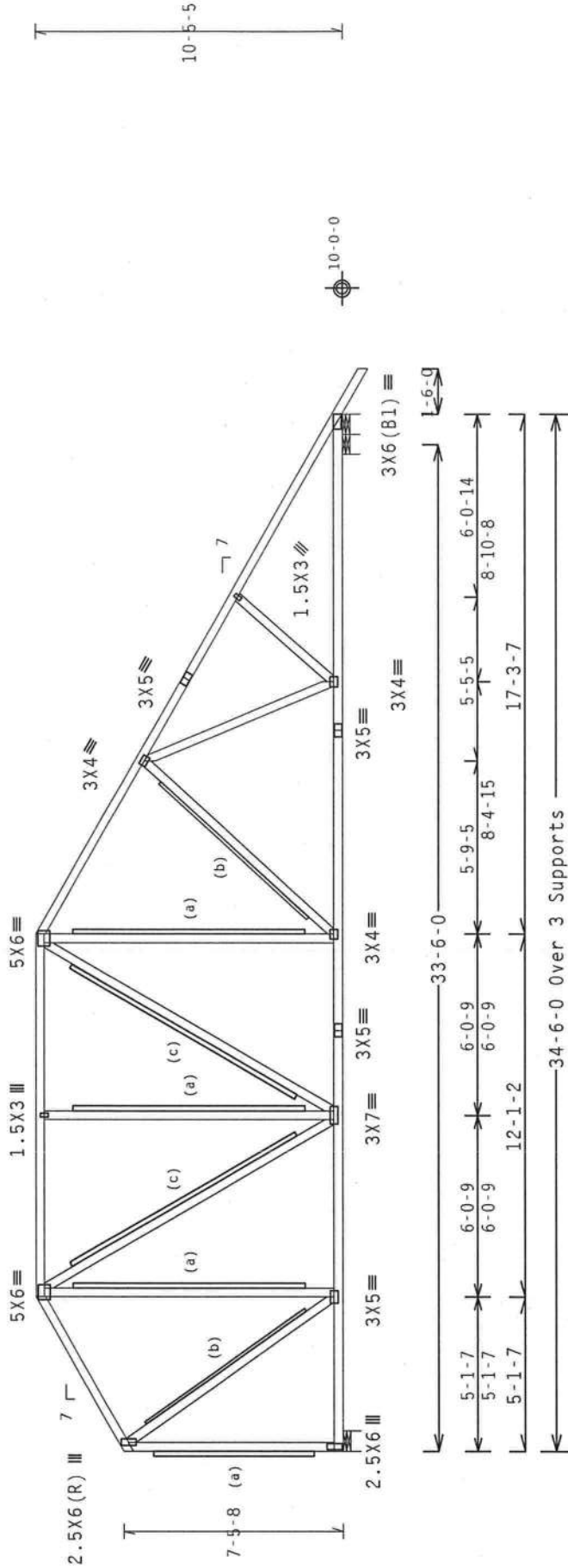
Wind loads and reactions based on MWFRS with additional C&C member design.

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

(c) 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.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

MWFRS loads based on trusses located at least 30.00 ft. from roof edge.



R-1735 U=34 W=8"
RL=129/-186

R-311 U=0 W=8"
U=26 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave

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

Scale = .1875"/Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Components Group Inc. information, by T and BCSI Building Components Group Inc. for details and instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. iTW Building Components Group Inc. (iTWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure and design by the Professional Engineer. For more information see: This job's general notes page: IIN-B005: www.iwbcg.com; TPI: www.tpinet.org; NCA: www.ncaindustry.com; ICC: www.iccsafe.org		TC LL	20.0 PSF	REF	R487--	78200
			TC DL	10.0 PSF	DATE	01/02/12	
			BC DL	10.0 PSF	DRW	HCUSR487	12002069
			BC LL	0.0 PSF	HC-ENG	DF/DF	
			TOT.LD.	40.0 PSF	SEQN-	256835	
			DUR.FAC.	1.25			
		SPACING	24.0"	JREF-	1UIB487_201		

(11-232--Fill in later BRYAN ZECHER/GLENN -- . ** - H158T)

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

End verticals not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.09 ft. from roof edge.

110 mph wind, 15.09 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. LW=1.00 GCPI (+/-)-0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

1.5X3 III

5X5 III

1.5X3 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

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3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

4X4 III

2.5X6 III

4X4 III

5X6 III

3X7 III

3X5 III

3X4 III

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - H198T)

Top chord	2x4	SP #1
Bot chord	2x4	SP #1
Web	2x4	SP #3

:W3 2x4 SP #2:

Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.12" due to live load and 0.13" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

WERS loads based on trusses located at least 15.59 ft. from roof edge.

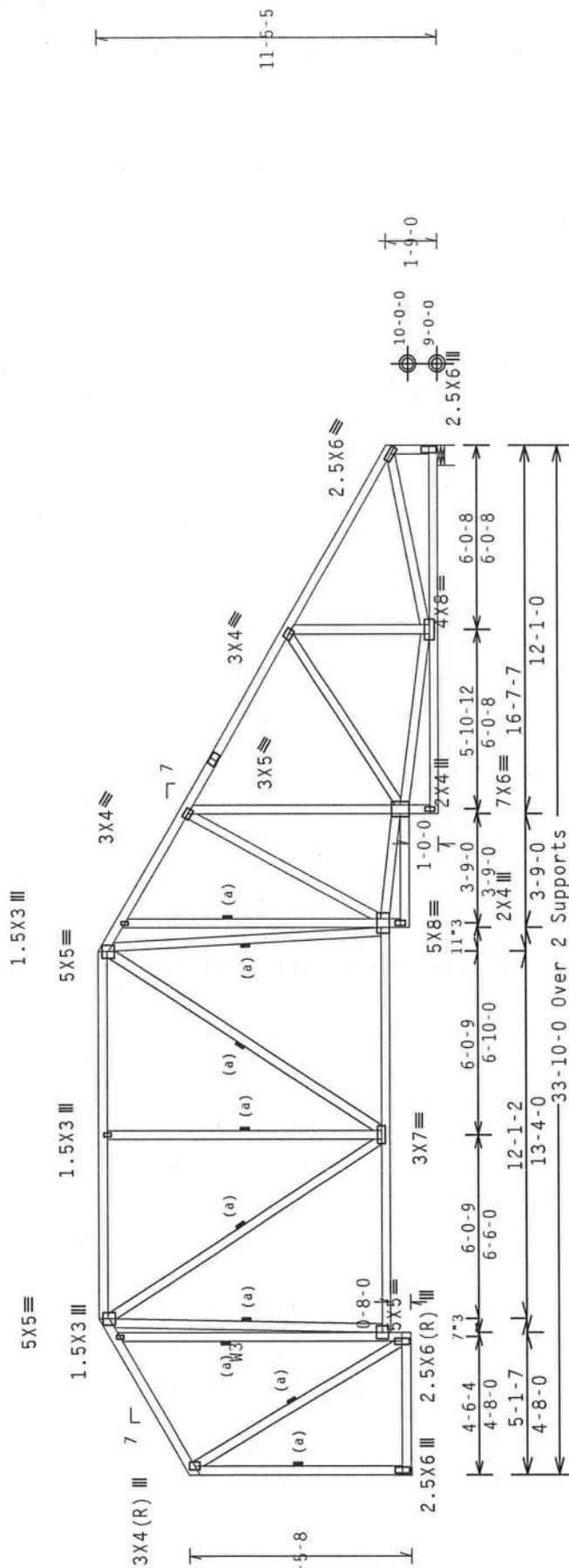
1110 mph wind, 15.59 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCp1 (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R=1407 U=35
RL=101/-168

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

Scale = .1875"/Ft.

***WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Be sure to follow the latest edition of these specifications (ASTM A901 and A902) and AISC's Manual of Steel Construction, Part 5, for all details. Installers shall provide temporary bracing per the specifications noted elsewhere. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint need not have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Haines City, FL 33844
FL COA #0 278

01/02/2012

SPACING 24.0"

REF- 1UIB487_Z01

(11-232--Fill) in later BRYAN ZECHER/GLENN -- . ** - C)

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

Roof overhang supports 2.00 psf soffit load.

(a) Continuous lateral bracing equally spaced on member.

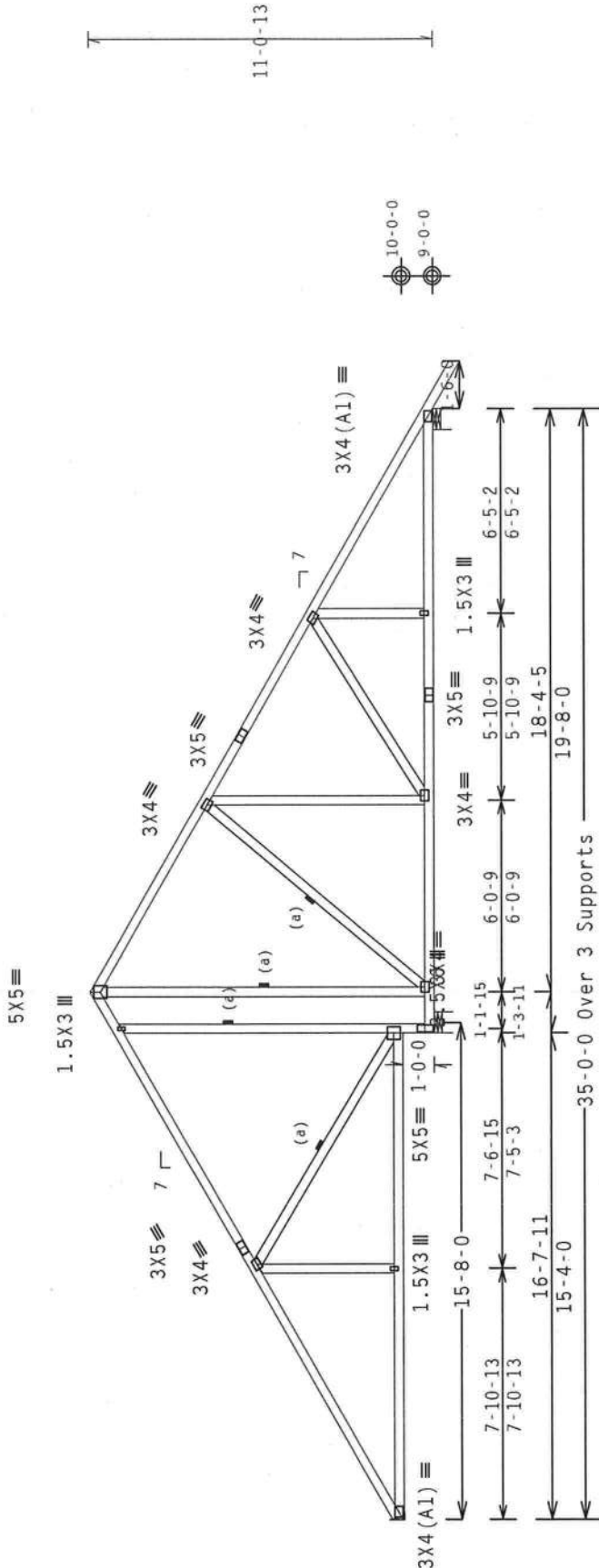
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT 11, EXP B, wind 1C DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 GCpl(+/-)-0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R-727 U=0
RL=237/-236

R-1298 U=0 W=8"

R-986 U=29 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

TC LL 20.0 PSF

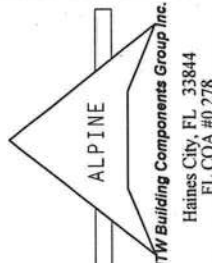
REF R487-- 78207
DATE 01/02/12
DRW HCUSR487 12002076
HC-ENG DF/DF
SEON- 258223
JREF- 1UIB487_Z01

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

Scale = .1875"/Ft.



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and NCA) rules and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural steel bracing and shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
TPI Building Components Group Inc. (TIBCIG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1 for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.2. For more information see: general notes page. 1W-BG: www.tlucy.com; TPI: www.tpinet.org; NCA: www.ncaindustry.com; IBC: www.internationalbuildingcode.org



(11-232--Fill) in later BRYAN ZECHER/GLENN -- . ** - H9C)

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

Roof overhang supports 2.00 psf soffit load.

(a) 1x4 #3SRB SPF-S 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.

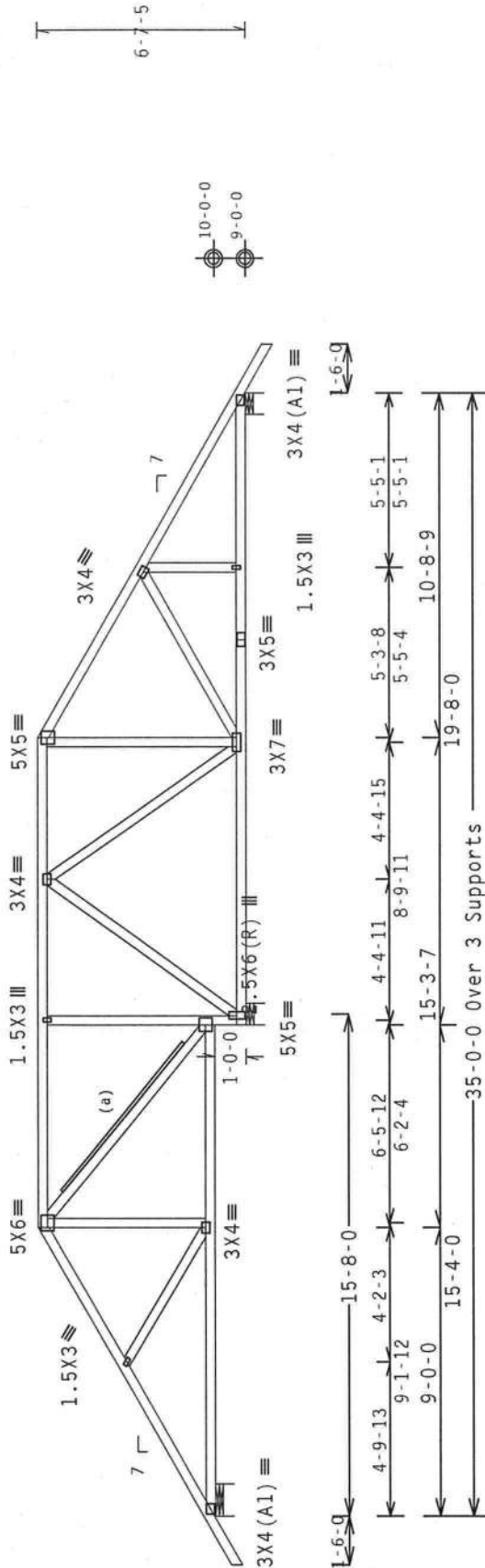
110 mph wind, 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg. not located within 9.00 ft from roof edge. CAT II. EXP B. wind TC DL=5.0 psf. wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R-735 U=100 W=12"
RL=155/-164

R-1483 U=89 W=8"

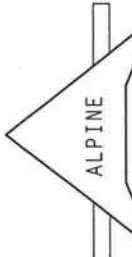
R-895 U=110 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

FL/-4/-/-R/-

Scale = .1875"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		TC LL	20.0 PSF	REF	R487-- 78211
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Suppliers Institute) for details and instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.		TC DL	10.0 PSF	DATE	01/02/12
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure. Responsibility solely for the design shown. The use of this sign and seal is a statement of the engineer's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.micaindustry.com; ICC: www.iccsafe.org		BC DL	10.0 PSF	DRW	HCUSR487 12002080
			BC LL	0.0 PSF	HC-ENG	DF/DF
			TOT.LD.	40.0 PSF	SEQN-	258318
			DUR.FAC.	1.25		
			SPACING	24.0"	JREF-	1UIB487_Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind IC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCp1(+/-)-0.18

Roof overhang supports 2.00 psf soff1t load.

(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.

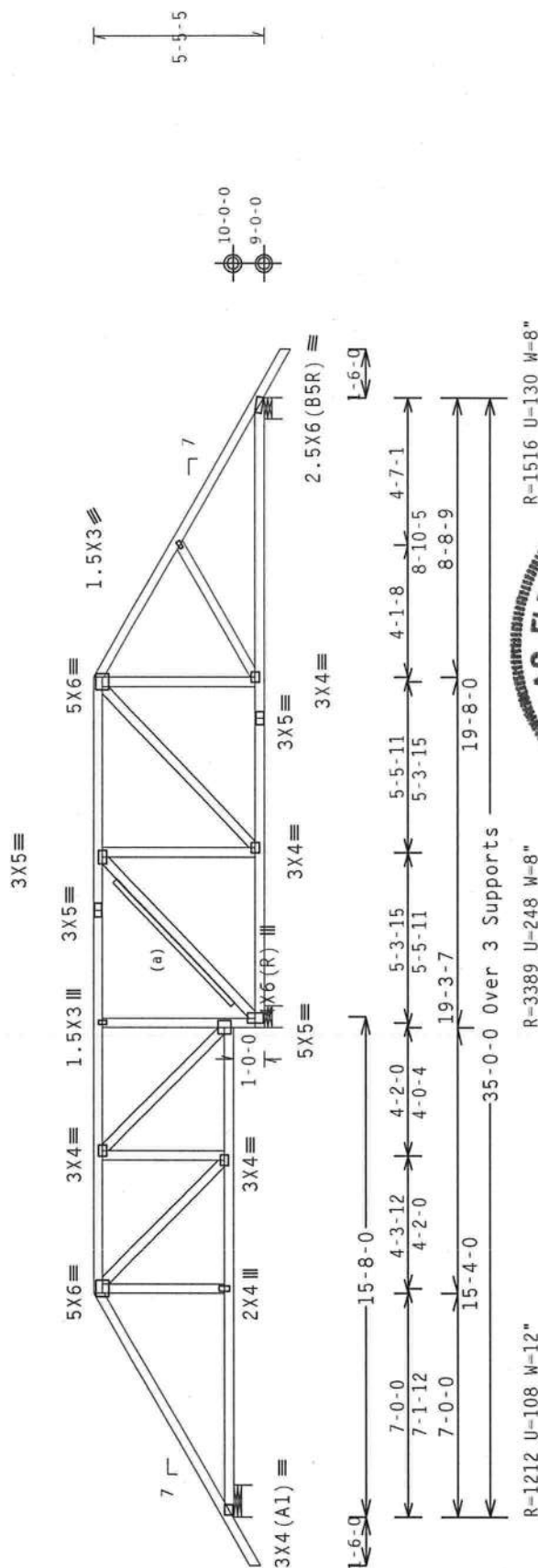
Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 8-8-9 setback with 0-0-0 cant and 1-6-0 overhang.

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

#1 hip supports 7-0-0 jacks at left end and 8-8-9 jacks at right end. Jacks have no webs.

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



6 U=130 W=8"

R=3389 U=248 W=8"

R=1212 U=108 W=12"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

~~QTY: 16~~

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

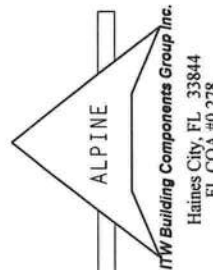
Scale = .1875"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to the later section on GSI (General Structural Installation) for details regarding the installation of trusses. When erecting these trusses installers shall comply with the following safety precautions:

- a. Truss members shall have a properly attached structural sheathing and bottom chord.
- b. Trusses shall have a permanently attached rigid ceiling.
- c. Trusses shall have bracing installed per CSI sections B3, B7 or B10, as applicable.

The Building Components Group, Inc. (BICG) shall not be responsible for any deviation from the manufacturer's instructions for the use of the product, including, but not limited to, the following: fabricating, installing, erecting, or attaching the product to the building; or for handling, shipping, installing, or erecting of trusses. Apply plates to each face of truss and position as shown above and on the joining details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or covering or cover plate listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: this job's general notes page. BICG: www.bicg.com; TPI: www.tpiinst.org; NCA: www.ncaindust.com;



TC LL	20.0 PSF	REF R487-- 78212
TC DL	10.0 PSF	DATE 01/02/12
BC DL	10.0 PSF	DRW HCUSR487 12002081
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 258352
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIB487 Z01

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

11110 mph wind. 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Roof overhang supports 2.00 psf soffit load.

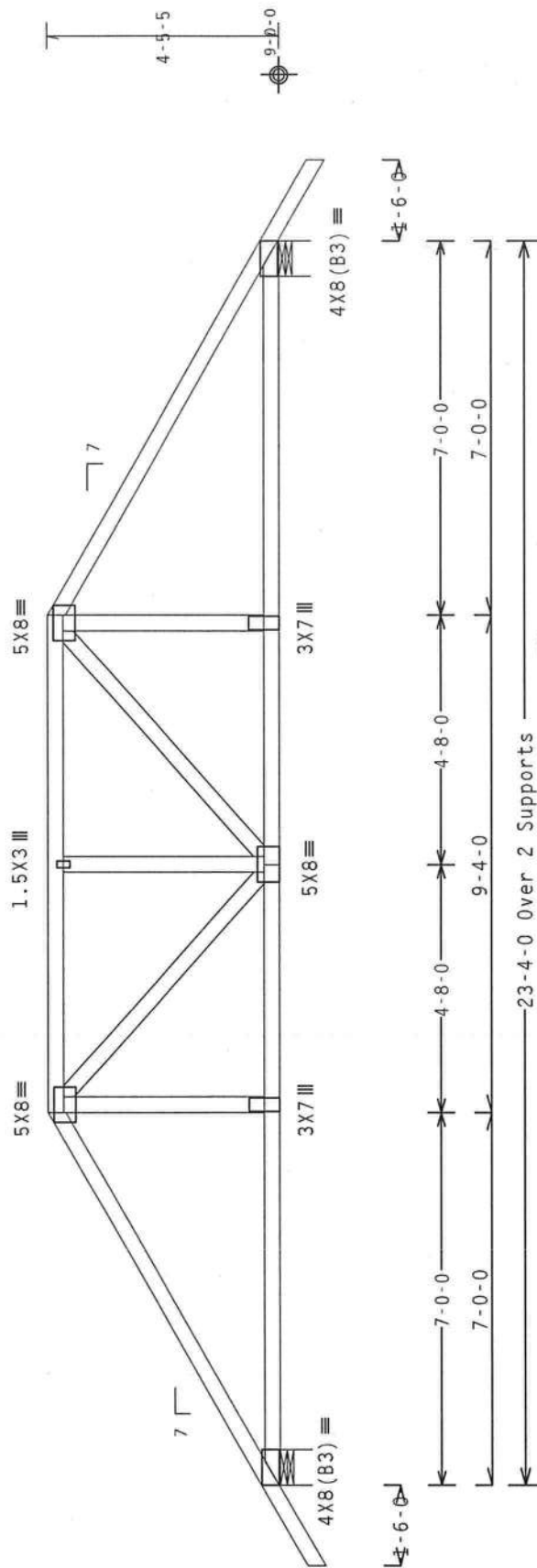
Bottom chord checked for 10.00 psf non-concurrent live load.

Special loads

[illegible]

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R-2769 H=288 W=8"

R=1816 H=198 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

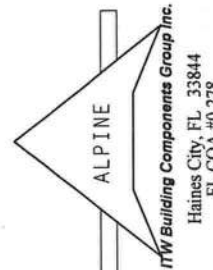
PLT TYP. Wave

Scale = .3125"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Components Information, by American Bracing Company, for more information. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Ceilings shown for permanent lateral restraint of wall shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (LHCBG) shall not be responsible for any deviation from this specification or any failure to build the truss in conformance with ANSI/PPI 1-1, or for handling, shipping, installation or packaging of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail. Seal all fasteners with a sealant approved by the manufacturer of the fastener and the sealant manufacturer, unless noted otherwise. Refer to drawings L60A-Z for standard plate positions. A seal on the bottom chord of a truss indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/PPI 1 Sec.2. For more information see: This job's general notes page; LH-B60; www.lhcbg.com; www.ppi.net; www.aiaa.org; WCA; www.fabricindust.com.



TC LL	20.0 PSF	REF R487 - - 78213
TC DL	10.0 PSF	DATE 01/02/12
BC DL	10.0 PSF	DRW HCUSR487 12002082
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 256619
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIB487_Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

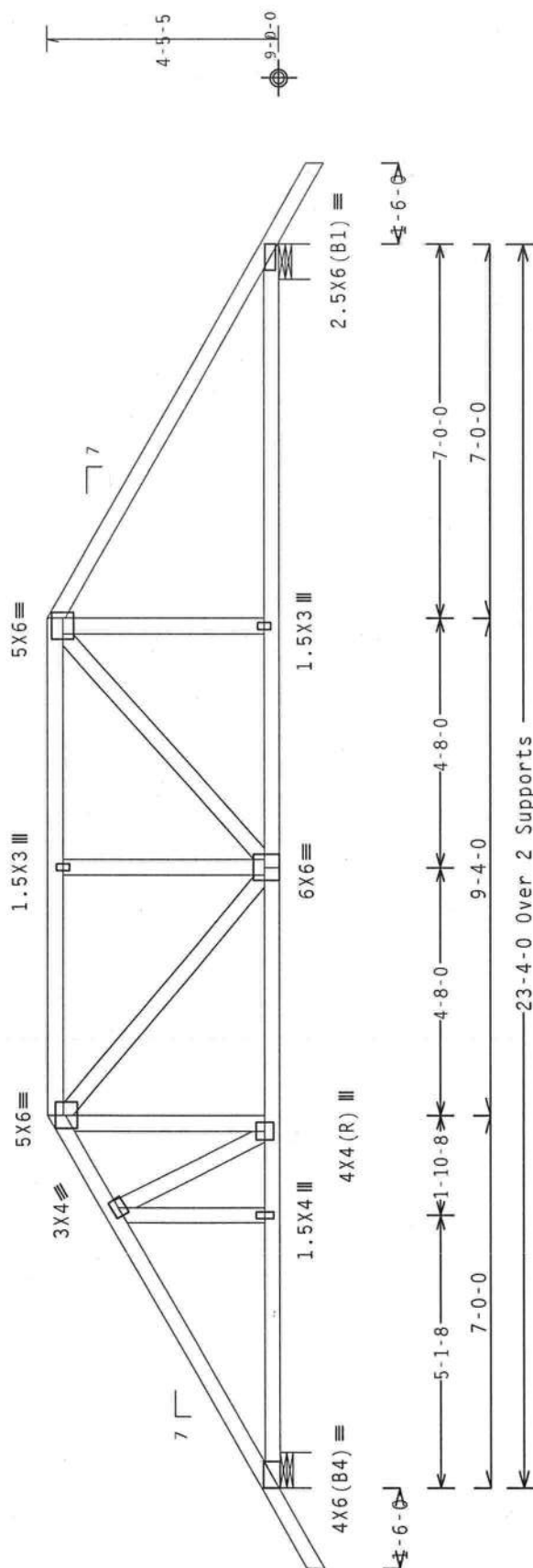
Roof overhang supports 2.00 psf soffit load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Special Loads	Dur. Fac.-1.25 / (Lumber		Plate		Dur. Fac.-1.25	
IC - From	63	pl at 1.50	to	63	pl at 1.00	
IC - From	63	pl at 1.70	to	63	pl at 1.63	
IC - From	63	pl at 1.63	to	63	pl at 2.83	
IC - From	5	pl at 1.50	to	5	pl at 1.00	
BC - From	20	pl at 0.00	to	5	pl at 2.00	
BC - From	20	pl at 0.06	to	20	pl at 5.06	
BC - From	20	pl at 5.06	to	10	pl at 6.60	
BC - From	5	pl at 23.33	to	20	pl at 24.83	
BC - 505.27 lb Conc. Load at				5	pl at 24.83	
BC - 1136.63 lb Conc. Load at						

Bottom chord checked for 10.00 psf non-concurrent live load.



R=2276 I=152 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

FL/-/4/-/-/R/-
Scale = .3125"/Ft.

*****WARNING*** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
IMPORTANT**

[illegible]

The Building Components Group Inc. (IIBCG) shall not be responsible for any deviation from the drawings shown hereon. IIBCG will not be held responsible for errors or omissions in the drafting of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless otherwise. Refer to drawings 160A-2 for standard plate positions. A seal over the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/APRI 1 Sec.2. For more information see: This Job's General notes page; IIBCG web site: www.iibcg.com; IPI: www.ipi.net.org; NICA: www.nicainformation.com.



ALPINE

TW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

SPACING	24.0"	JREF- 1UIB487 Z01
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