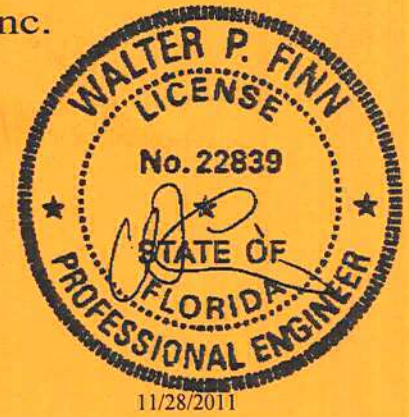


ITW Building Components Group, Inc.

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:1UHF487-Z0328145612



Truss Fabricator: Anderson Truss Company
 Job Identification: 11-209--Fill in later BOB JORDAN -- , **
 Truss Count: 107
 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

Walter P. Finn
 -Truss Design Engineer-

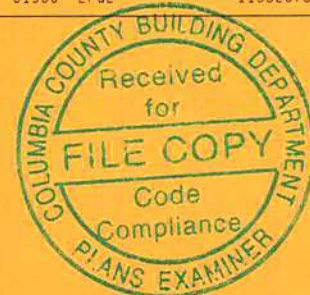
1950 Marley Drive
 Haines City, FL 33844

Details: BRCLBSUB-A1101505-GBLLETIN-PB120-

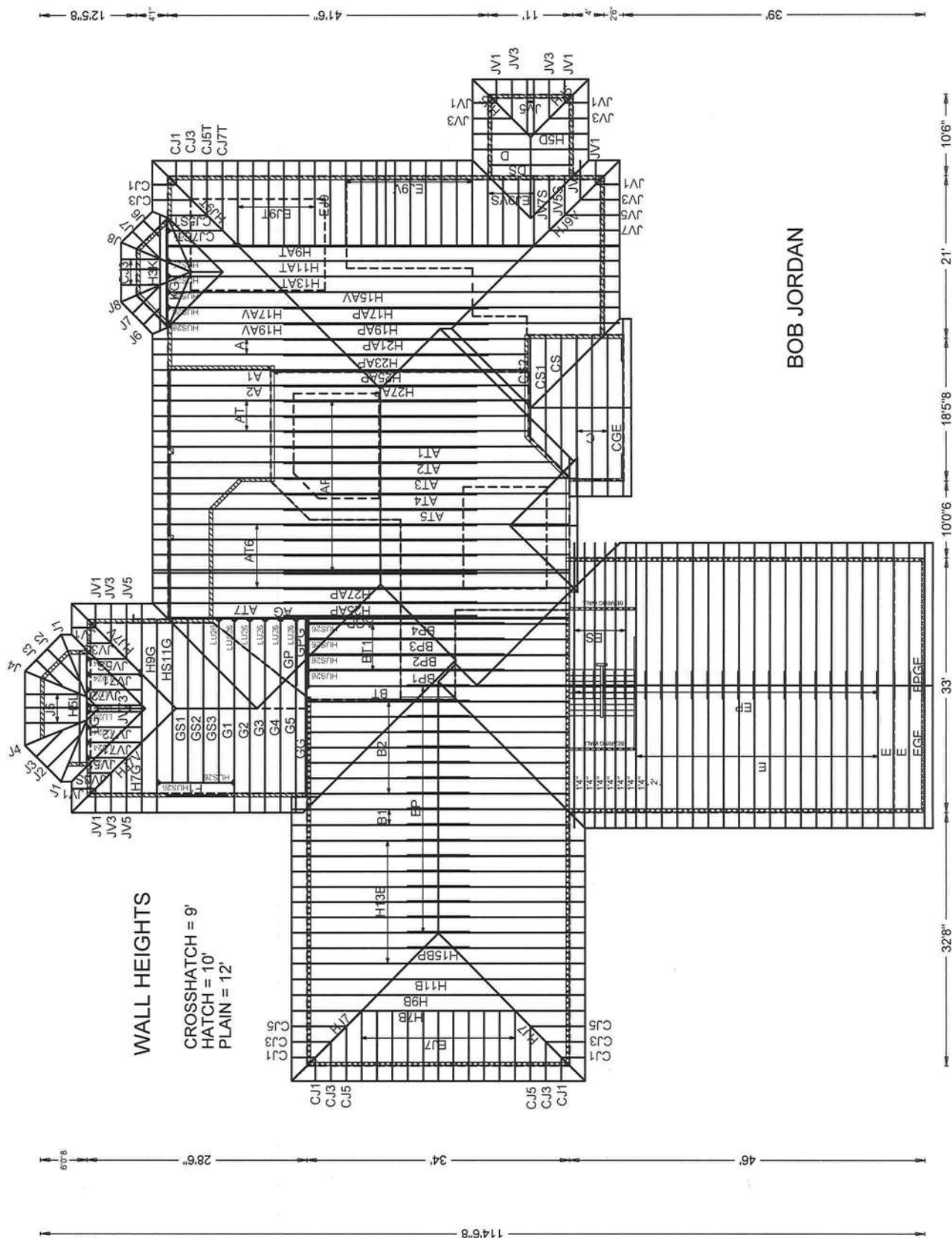
#	Ref	Description	Drawing#	Date
1	61394--A1		11332044	11/28/11
2	61395--A		11332100	11/28/11
3	61396--AG		11332079	11/28/11
4	61397--A2		11332063	11/28/11
5	61398--H9AT		11332056	11/28/11
6	61399--H11AT		11332049	11/28/11
7	61400--H13AT		11332041	11/28/11
8	61401--AT		11332081	11/28/11
9	61402--AT7		11332048	11/28/11
10	61403--AT6		11332067	11/28/11
11	61404--AT5		11332021	11/28/11
12	61405--AT4		11332070	11/28/11
13	61406--AT3		11332035	11/28/11
14	61407--AT2		11332077	11/28/11
15	61408--AT1		11332076	11/28/11
16	61409--H15AV		11332042	11/28/11
17	61410--H17AV		11332045	11/28/11
18	61411--H19AV		11332008	11/28/11
19	61412--H7B		11332018	11/28/11
20	61413--H9B		11332043	11/28/11
21	61414--H11B		11332054	11/28/11
22	61415--H13B		11332065	11/28/11
23	61416--B1		11332006	11/28/11
24	61417--B2		11332091	11/28/11
25	61418--BT		11332096	11/28/11
26	61419--BT1		11332095	11/28/11
27	61420--C		11332069	11/28/11
28	61421--CS		11332072	11/28/11
29	61422--CS2		11332071	11/28/11
30	61423--CGE		11332068	11/28/11
31	61424--H5D		11332015	11/28/11
32	61425--D		11332040	11/28/11
33	61426--DS		11332019	11/28/11
34	61427--E		11332044	11/28/11
35	61428--EGE		11332045	11/28/11
36	61429--ES		11332046	11/28/11
37	61430--F1		11332025	11/28/11
38	61431--H9G		11332037	11/28/11

#	Ref	Description	Drawing#	Date
39	61432--G1		11332064	11/28/11
40	61433--G2		11332090	11/28/11
41	61434--G3		11332089	11/28/11
42	61435--G4		11332086	11/28/11
43	61436--G5		11332088	11/28/11
44	61437--GG		11332007	11/28/11
45	61438--H7G		11332023	11/28/11
46	61439--HS11G		11332084	11/28/11
47	61440--GS1		11332013	11/28/11
48	61441--GS2		11332014	11/28/11
49	61442--GS3		11332073	11/28/11
50	61443--CJ1		11332003	11/28/11
51	61444--CJ3		11332011	11/28/11
52	61445--CJ5		11332032	11/28/11
53	61446--EJ7		11332016	11/28/11
54	61447--HJ7		11332017	11/28/11
55	61448--J1		11332102	11/28/11
56	61449--J2		11332080	11/28/11
57	61450--J3		11332103	11/28/11
58	61451--J5		11332106	11/28/11
59	61452--J4		11332101	11/28/11
60	61453--JV1		11332026	11/28/11
61	61454--JV3		11332027	11/28/11
62	61455--JV5		11332022	11/28/11
63	61456--JV3S		11332029	11/28/11
64	61457--JV5S		11332046	11/28/11
65	61458--JV71		11332024	11/28/11
66	61459--JV72		11332033	11/28/11
67	61460--JV73		11332074	11/28/11
68	61461--HJ5		11332099	11/28/11
69	61462--CJ5T		11332053	11/28/11
70	61463--CJ5ST		11332050	11/28/11
71	61464--CJ7ST		11332005	11/28/11
72	61465--CJ7T		11332060	11/28/11
73	61466--HJ9T		11332010	11/28/11
74	61467--EJ9T		11332061	11/28/11
75	61468--EJ9		11332055	11/28/11
76	61469--EJ9V		11332038	11/28/11

#	Ref	Description	Drawing#	Date
77	61470--EJ9VS		11332082	11/28/11
78	61471--JV7		11332097	11/28/11
79	61472--JV5S		11332059	11/28/11
80	61473--JV7S		11332105	11/28/11
81	61474--HJ9V		11332052	11/28/11
82	61475--J6		11332104	11/28/11
83	61476--J7		11332057	11/28/11
84	61477--J8		11332036	11/28/11
85	61478--HJ7V		11332031	11/28/11
86	61479--H3K		11332098	11/28/11
87	61480--K6		11332058	11/28/11
88	61481--H5L		11332034	11/28/11
89	61482--L6		11332028	11/28/11
90	61483--BP		11332004	11/28/11
91	61484--H15BP		11332075	11/28/11
92	61485--GP		11332087	11/28/11
93	61486--BP1		11332092	11/28/11
94	61487--BP2		11332094	11/28/11
95	61488--BP3		11332039	11/28/11
96	61489--BP4		11332085	11/28/11
97	61490--GPG		11332030	11/28/11
98	61491--H17AP		11332051	11/28/11
99	61492--H19AP		11332062	11/28/11
100	61493--H25AP		11332009	11/28/11
101	61494--H27AP		11332093	11/28/11
102	61495--AP		11332012	11/28/11
103	61496--H21AP		11332047	11/28/11
104	61497--H23AP		11332066	11/28/11
105	61498--AGP		11332083	11/28/11
106	61499--EP		11332020	11/28/11
107	61500--EPGE		11332078	11/28/11



Roof Plane Sheathing Area = 10233 sq. ft



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID:1UHF487-Z0328145612

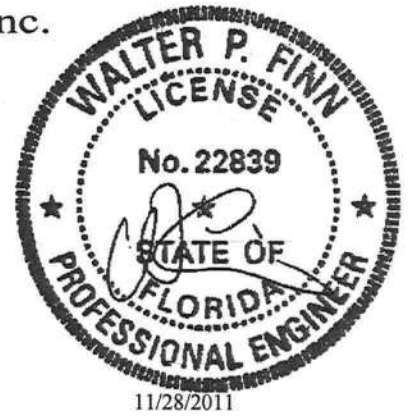
Truss Fabricator: Anderson Truss Company
Job Identification: 11-209--Fill in later BOB JORDAN -- , **
Truss Count: 1
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record:
Address:
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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	61478--HJ7V		11332031	11/28/11



-Truss Design Engineer-
Walter P. Finn

1950 Marley Drive
Haines City, FL 33844

ALPINE

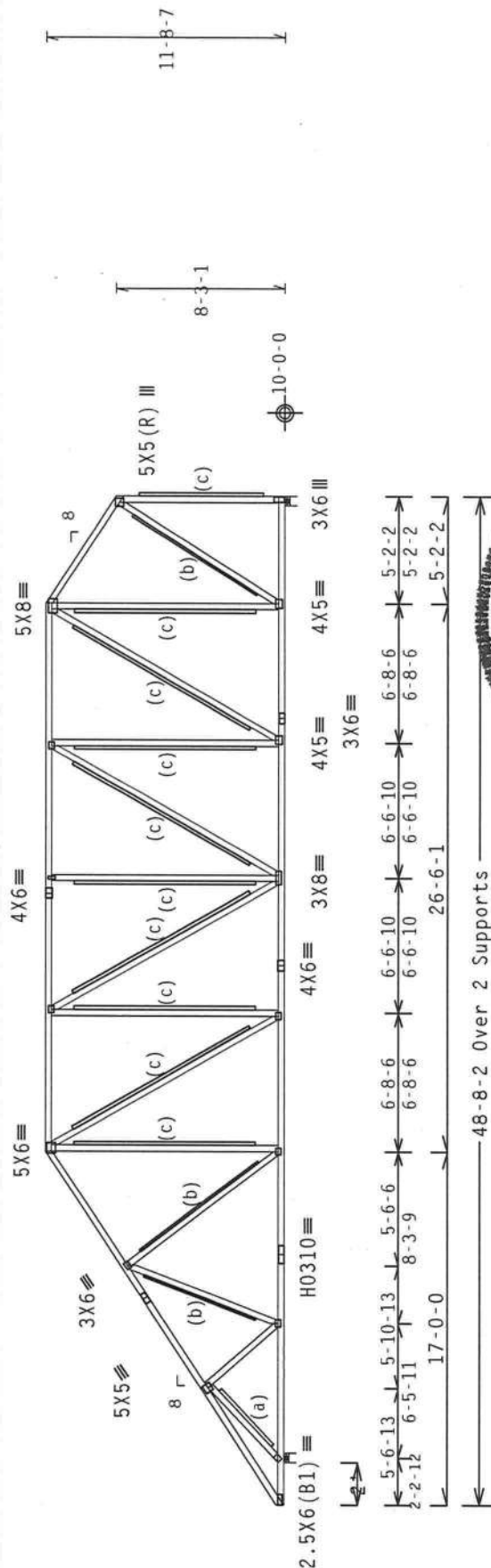
Left cantilever is exposed to wind

(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.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

MWFRS loads based on trusses located at least 16.04 ft. from roof edge.



R=2527 U=2 W=5.5"
RL=208/-155

Note: All Plates Are 3X4 Except As Shown.

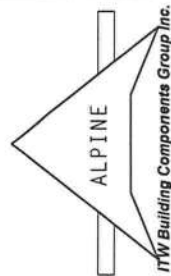
PLT TYP. 20 Gauge HS, Wave
Design Crit: FBC2007Res/TPI-2002 (STD
FT/RT=10%(0%)/0(0)

PLT TYP. 20 Gauge HS.Wave

10.03.2003. 04.06.2839

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

Scale = .125"/Ft.



Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
KNOW THIS APPLIES TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Read and follow the latest edition of BCSI (Building Component Safety Information, by IPI and HICPA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI sections 83, 87 or 810, as applicable, 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 shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

LTI Building Components Group Inc. (LHBCO) shall not be responsible for any deviation from this specification due to manufacturing or installation errors. LTI Building Components Group Inc. shall not be responsible for any failure to build the truss in accordance with ANSI/P1-1, or for handling, shipping, installing, unloading, storing, or erecting the trusses. The manufacturer's instructions for the erection, bracing of trusses, details, notations, otherwise, refer to drawings I60A-2 for standard plate positions. A seal on the bottom chord of the truss shall indicate the location of the top chord connection. The manufacturer shall be responsible solely for the design shown. The liability for the design shall rest with the designer. It is the responsibility of the Building Designer per ANSI/P1-1 Sec.2. For more information see: This Job's General Notes page; LH-BEG; www.lhbcg.com; P1: www.tpinst.org; NICA: www.sbciindustry.com; www.lccafe.org



Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP M-26
Webs 2x4 SP #3

:W3, W4, W13, W17, W18 2x4 SP #2 Dense: :W19 2x4 SP M-30:

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 64 plf at 0.00 to 64 plf at 6.56
TC- From 32 plf at 6.56 to 32 plf at 15.00
TC- From 32 plf at 15.00 to 32 plf at 17.88
TC- From 64 plf at 17.88 to 64 plf at 40.00
TC- From 64 plf at 40.00 to 64 plf at 52.00
BC- From 20 plf at 0.00 to 20 plf at 6.56
BC- From 10 plf at 6.56 to 10 plf at 17.88
BC- From 20 plf at 17.88 to 20 plf at 30.15
BC- From 20 plf at 30.15 to 20 plf at 37.19
BC- From 20 plf at 37.19 to 20 plf at 52.00
BC- 897.29 lb Conc. Load at 6.56
BC- 1121.44 lb Conc. Load at 8.56
BC- 964.19 lb Conc. Load at 10.56
BC- 942.62 lb Conc. Load at 12.56
BC- 948.09 lb Conc. Load at 14.56
BC- 940.34 lb Conc. Load at 16.56
BC- 7116.23 lb Conc. Load at 17.88

(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.

(b) (2) #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

** The maximum concentrated load is 7117# **

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 6.25" o.c.
Webs : 1 Row @ 4" o.c.

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

4" o.c. spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"

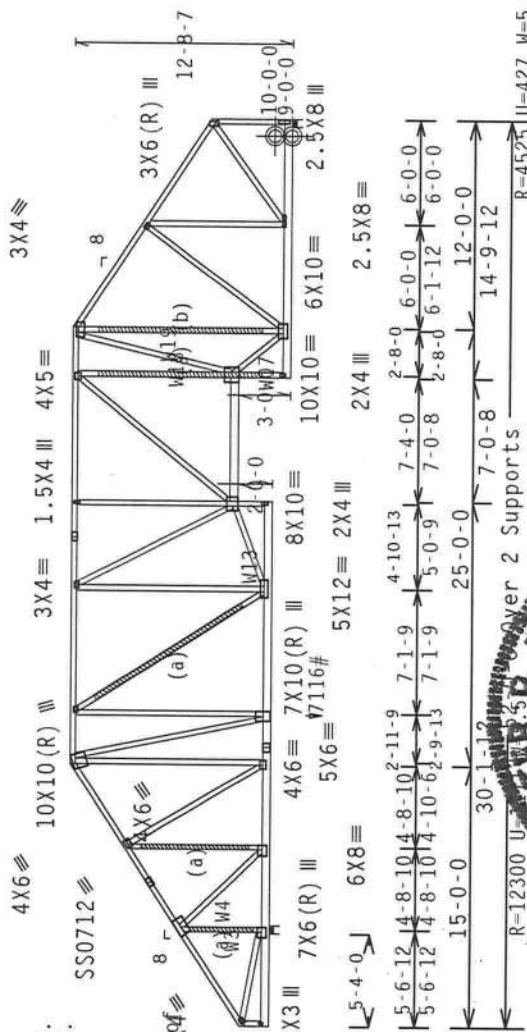
110 mph wind, 16.70 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)-0.18

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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



Design Crit: FBC2007Res/IPI-2002 (STD)

FT/RT=10% (0% / 0 (0)

PLT TYP. 18 Gauge HS, Wave

Scale = .09375" / Ft.

REF	R487--	61396
DATE	11/28/11	
DRW	HCUSR487	11332079
HC-ENG	DF/DF	
SEQN-	246373	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF-	1UHF487_Z03	

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
JREF-	1UHF487_Z03

ALPINE

11W Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WALTER P. FINN
LICENSE
No. 22858
10.03.04.0601.16
11/28/2011

FLORIDA
STATE OF
PROFESSIONAL ENGINEER

11/28/2011

11W Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

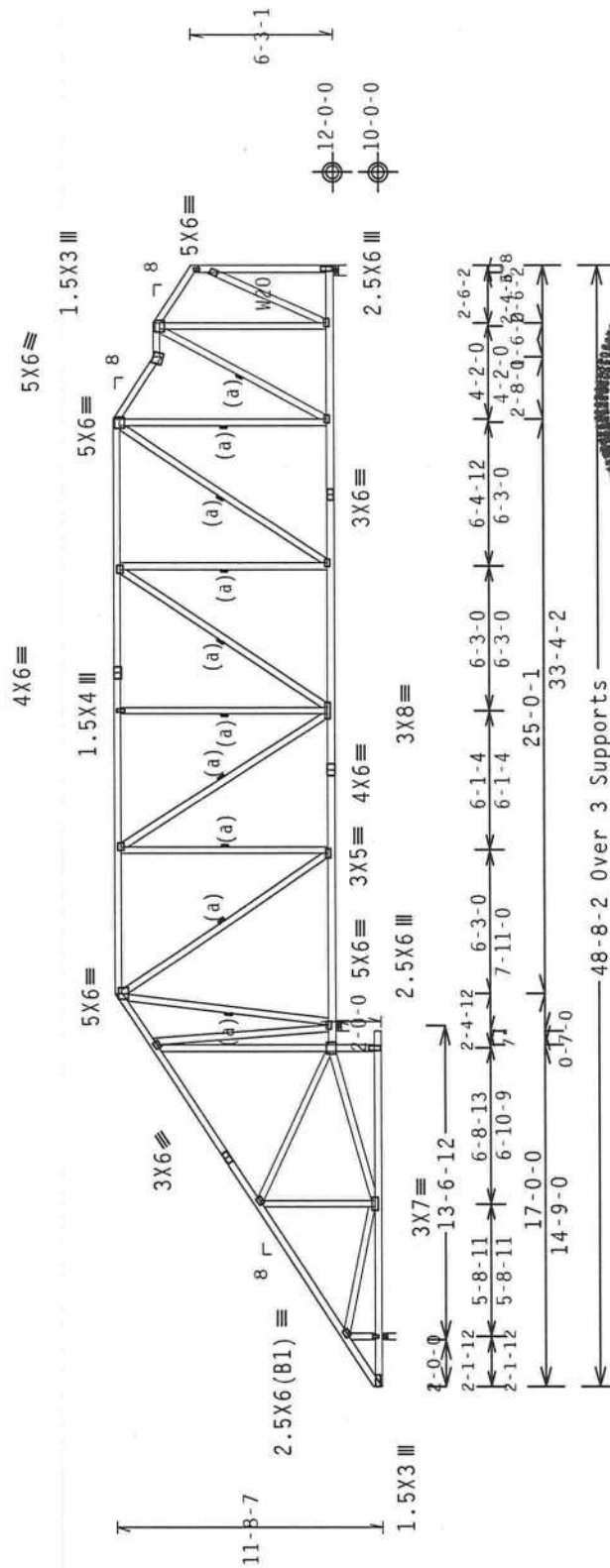
110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt1 (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=385 I=0 W=3 5"

RI=208/-154

R=2468 I=135 W=5.5"

Note: All Plates Are 3X4 Except As Shown.

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

PLT TYP. Wave

10:03. Mon 06/28/99 QTY:

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

Scale = .125"/Ft.

* *WARNING* * 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.

Brosses require extreme care in fabricating, handling, shipping, installing and bracing. It is recommended that the latest edition of BCSP (Building Component Safety Information, by IPI and NICA) for Brosses be read and understood by all personnel involved in the design and installation of Brosses. The following practices prior to performing these functions:

1. Installers shall provide temporary bracing for all Brosses until the permanent bracing is installed.

2. All noted owner/contractor shall be notified of the location of the Brosses and the location of the permanent bracing installed per BCSP sections 83, 87 or 89, as applicable.

3. All noted owner/contractor shall be notified of the location of the Brosses and the location of the permanent bracing installed per BCSP sections 83, 87 or 89, as applicable.

The Building Components Group Inc. (BICGCO) shall not be responsible for any deviation from the design shown on the drawings. The manufacturer shall be responsible for the proper installation and 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 A604-2 for standard plate positions. A seal on the bottom chord of the truss is required. The manufacturer shall be responsible for the proper installation of the 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.

THE BICGCO: www.bicgco.com TPI: www.tpi.net KICA: www.kicaind.com
BIC: www.bicusafr.org



ALPINE

ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0778

Haines City, FL 33844
FL COA #0 278

Haines City FL 33844

Haines City FL 33844

2 COMPLETE TRUSSES REQUIRED

Bot chord 2x4 SP #2 Dense :B2 2x6 SP #1 Dense :
:B3, B7 2x6 SP #2: :B5, B6 2x6 SP SS:
Webs 2x4 SP #3 :W1 2x6 SP #2:
:W9, W10, W23, W26 2x4 SP #2 Dense:

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. Iw=1.00 GCp1(+/-)=0.18

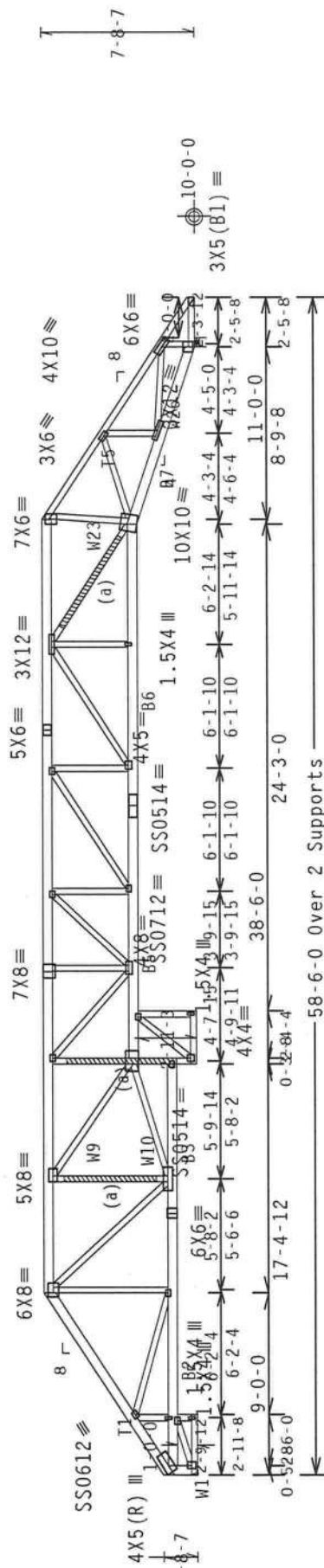
Right cantilever is exposed to wind

(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.

#1 hip supports 11-0-0 jacks W/2 panel TC and no end vert.

Left side jacks have 11-0-0 setback with 0-0-0 cant and 0-0-0 overhang. Right side jacks have 11-0-0 setback with 2-0-0 cant and 0-0-0 overhang.

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



R=5723 U=450

R=6242 H=490 W=5.5"

Note: All Plates Are 3X4 Except As Shown.

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

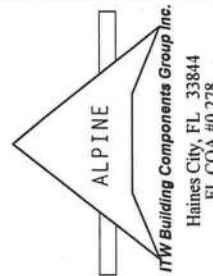
PLT TYP. 18 Gauge HS.Wave

FL/-/4/-/-/R/-
Scale = .125"/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, installing and bracing. Follow the latest edition of BCSP Building Component Safety Information for Truss and BCSIP Truss Design Manual for more information regarding truss design and construction. The following notes address top chord shall have permanently attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have bracing installed per BCSI sections 87, B7 or B10, as applicable.

The Building Components Group Inc. (IBCBG) shall not be responsible for any deviation from the above instructions. If a manufacturer fails to follow the instructions, it may be held liable for any failure to build the truss in conformance with ANSI/PPI 1... for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order Form. Refer to drawings 160A-2 for standard plate positions. A seal on the end of the truss, indicating acceptance of professional engineering responsibility solely for the design shown, 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 section 1 Sec. 2 for more information on the responsibility of the building designer. For more information on this job, contact the Building Components Group Inc. at 1-800-368-3636 or visit our website at www.bcsip.com. PPI: www.ppi.net/pri.org; NCCA: www.nccanet.org.



TC LL	20.0	PSF	REF	R487--	61398
TC DL	10.0	PSF	DATE	11/28/11	
BC DL	10.0	PSF	DRW	HCUSR487	11332056
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	246049	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UHF487_Z03	

(11-209--Fill in later BOB JORDAN --, ** - H11AT)

Top chord 2x4 SP #2 Dense :T1 2x6 SP #2:
:T3, T4 2x4 SP M-30:
Bot chord 2x4 SP #2 Dense :B2 2x6 SP #2:
:B5, B6 2x4 SP M-30:
Webs 2x4 SP #3 :W1 2x6 SP #2:
:W8, W9, W22 2x4 SP #2 Dense:

Right cantilever is exposed to wind

(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.

(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.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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

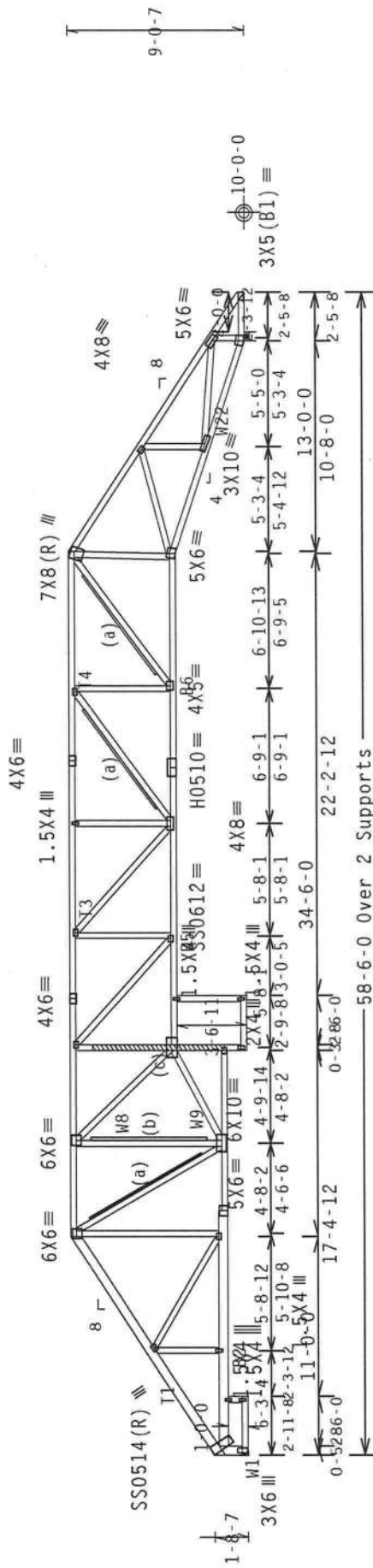
Calculated horizontal deflection is 0.35" due to live load and 0.39" due to dead load.

(b) 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.

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

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

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



R-2351 U-217
RL=214/-222

Note: All Plates Are 3X4 Except As Shown.
PLT TYP. 20 Gauge HS,18 Gauge HS, Design Cr:it: FBC2007Res/TPI-2002(STU)
Wave FT/RT=10%(0%)/0(0)

R-2576 U-216 W-5.5"

Scale =.125"/Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter tie. Trusses shall be braced laterally and bracing shall have bracing installed per BCSI section 83, 87 or 810, as applicable. **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! iTW Building Components Group Inc. (iTWBCG) shall not be responsible for any deviation from 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.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org		10-03 04-0601 16 QT 1	FL/-/4/-/R/-	REF R487-- 61399
	TC LL	20.0 PSF	TC DL	10.0 PSF	DATE 11/28/11
	BC DL	10.0 PSF	BC LL	0.0 PSF	DRW HCUSR487 11332049
	TOT.LD.	40.0 PSF	DUR.FAC.	1.25	HC-ENG DF/DF
	SPACING	24.0"	SEQN-	246119	JREF- 1UHF487_Z03

11/28/2011

110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1 (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

(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.

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.

MWFRS loads based on trusses located at least 16.04 ft. from roof edge.

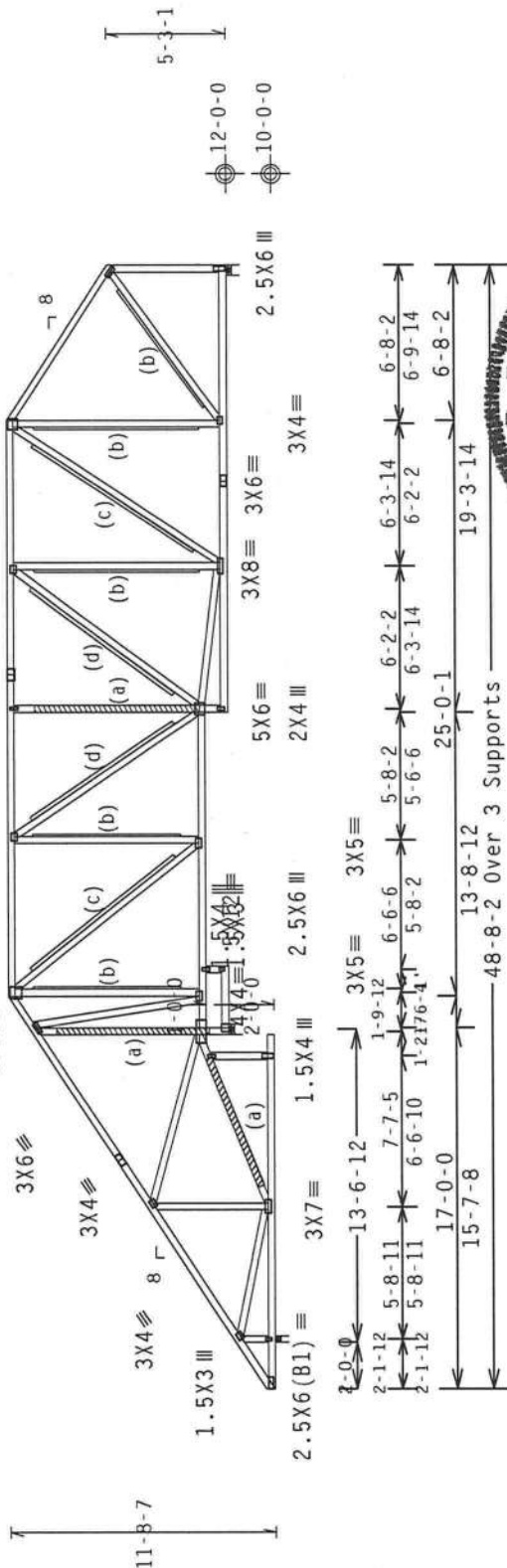
 $4 \times 6 \equiv$

WARNING: Furnish a copy of this DWG to the installation contractor.

Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

laterally brace chord member above filler

Lateral bracing chord member above upper
 chord, including a lateral brace at chord ends.



R=728 II=0 W=3 5"

R=2013 U=117 W=5.5"

RI=217/-170

Design Crit. FRC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

Scale = .125"/Ft.

FL1-141-1-R/-

10.03-01063289

1

FT/RT=10%(0%)/0(0)

Design Circle. For

DI T TVD Wave

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

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. Please refer to the latest edition of BCSP (Building Components Safety Information, by IPI and NICA) for all properties prior to performing these functions. Trusses must be properly attached structurally sheathing and bottom chord bracing must be installed in accordance with the manufacturer's instructions. Trusses must be braced. Trusses shall have bracing installed per BCSP sections B3, B7 and B10, as applicable.

The Building Components Group Inc. (LHBCG) shall not be responsible for any deviation from this specification or any failure to build the truss in accordance with ANSI/PPI 1, or for handling, shipping, installation 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 LHCG-2 for standard plate positions. A seal on 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/engineer. Sec'd _____ This job's responsibility rests with the engineer.

LHBCG: www.lhbcg.com; PPI: www.ppi.net; LHCG: www.lhbcgroup.com; LHC: www.lhcseal.com

ALPINE

W Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

11/28/2011

re: This job's

VIPI 1 Sec.2. For more information
www.tpinst.org; WTCA: www.sbcindustry.

Building Designer per ANSI/
CG: www.fibrecg.com; TPI: www.fibrecg.com

the responsibility of the general notes page: ITW-B

es City, FL 3

Haine

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

Left cantilever is exposed to wind

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

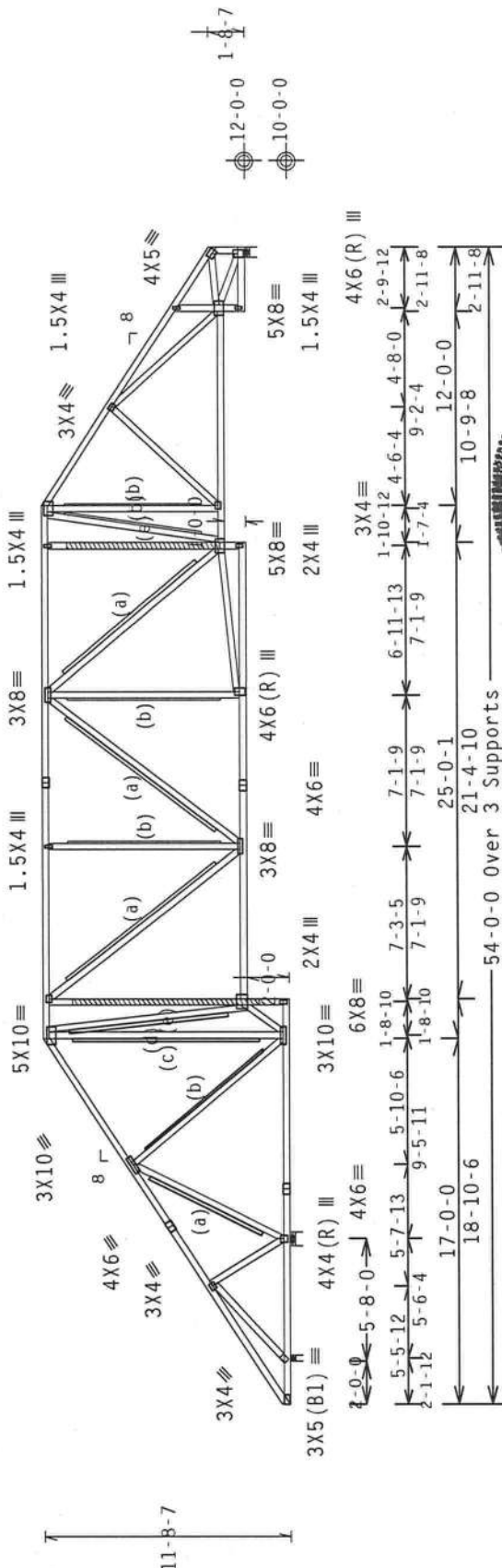
(d) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

(c) 2x8 #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.

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

WERS Loads based on trusses located at least 32.07 ft. from roof edge.

 $3 \times 4 =$ $4 \times 6 =$ 

$D = -628$ $R_W = 113$ $U = 171$ $W = 35$

R=3347 U=106 W=7.778"

PLT TYP. Wave

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

10.03.14.0601030

QTY

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

Scale = .125"/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. Follow the latest edition of BCSI (Building Component Safety) Information, by IPI and WCA for safety and bracing. Trusses shall be braced in accordance with BCSI. Trusses shall have a properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

[illegible]

ALPINE

Haines City, FL 33844
 FL COA #0 278

Haines City, FL 33844

FL COA #0278

11/28/2011

CONTACTING 24 0"

1055-1145 197 703

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

left cantilever is exposed to wind

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

(d) 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.

(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.

WARNING: Furnish a copy of this DWG to the installation contractor.

WARNING: Furnish a copy of this drawing to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Negative reaction(s) of -307# MAX. (See below) from a non-wind load case requires uplift connection.

1110 mph wind. 16.04 ft mean hgt, ASCE 7-05, CL0SED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

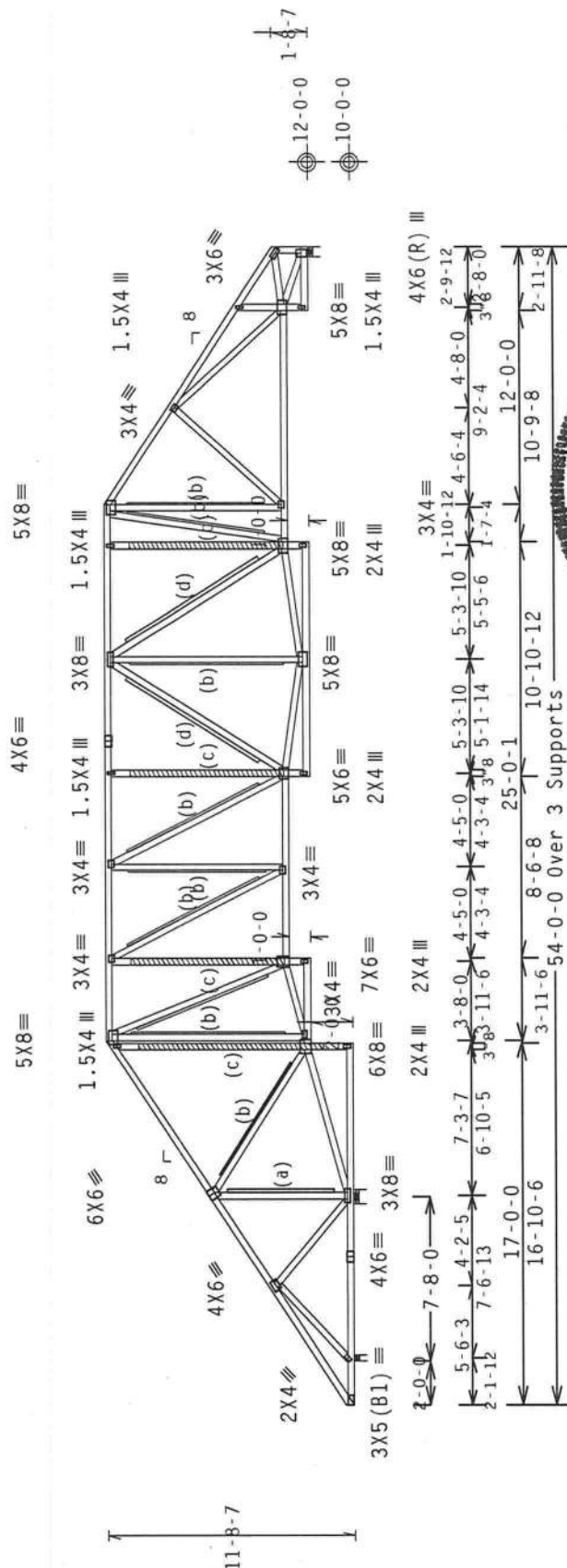
Wind loads and reactions based on MWFRS with additional C&C member design.

(a) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 6d 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.

MWFRS loads based on trusses located at least 32.07 ft. from roof edge.



P=-.308 P_W=129 II=92 W=3 5"

R=308 KW=129 U=92 W=3.5
RL=251/-230 R=3127 U=128 W=7.778"

PLT TYP. Wave

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

10.03.2028

FI 1-141-1-1R/-

Scale = .125"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FINISH THIS DESIGN TO ALL CONTRACTORS' INFORMATION. INSTALLERS

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

Issues require extreme care in fabricating, handling, shipping, installing and bracing. Please follow the latest edition of BESI (Building Components Safety Information, by IPI and MCA) for safety considerations prior to performing these functions. Installers shall provide temporary bracing for all members noted otherwise. Use of the following bracing details is required for all permanent lateral prestressing members installed per CSI sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (IN-860) shall not be responsible for any deviation from the manufacturer's instructions for the truss to conform with ANSI/TPI 1 or for handling, shipping, installation, bracing or trosses. Apply plates to each face of truss and position as shown above and on the Joiner details, unless noted otherwise. Refer to drawings IN-80-7 for standard plate positions. A seal on the drawing or cover page listing this design shows. 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. more information call: This Job's general manager, phone: (916)-860-4444 fax: (916)-860-4444 e-mail: buildingcomp@att.net. Web site: www.bciind.com; www.tpi.org; www.nrcanet.org; www.aiaa.com

ALPINE

W Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

11/28/2011

CONTACT NO. 04 00

[illegible]

110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI} (+/-)=0.18$

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

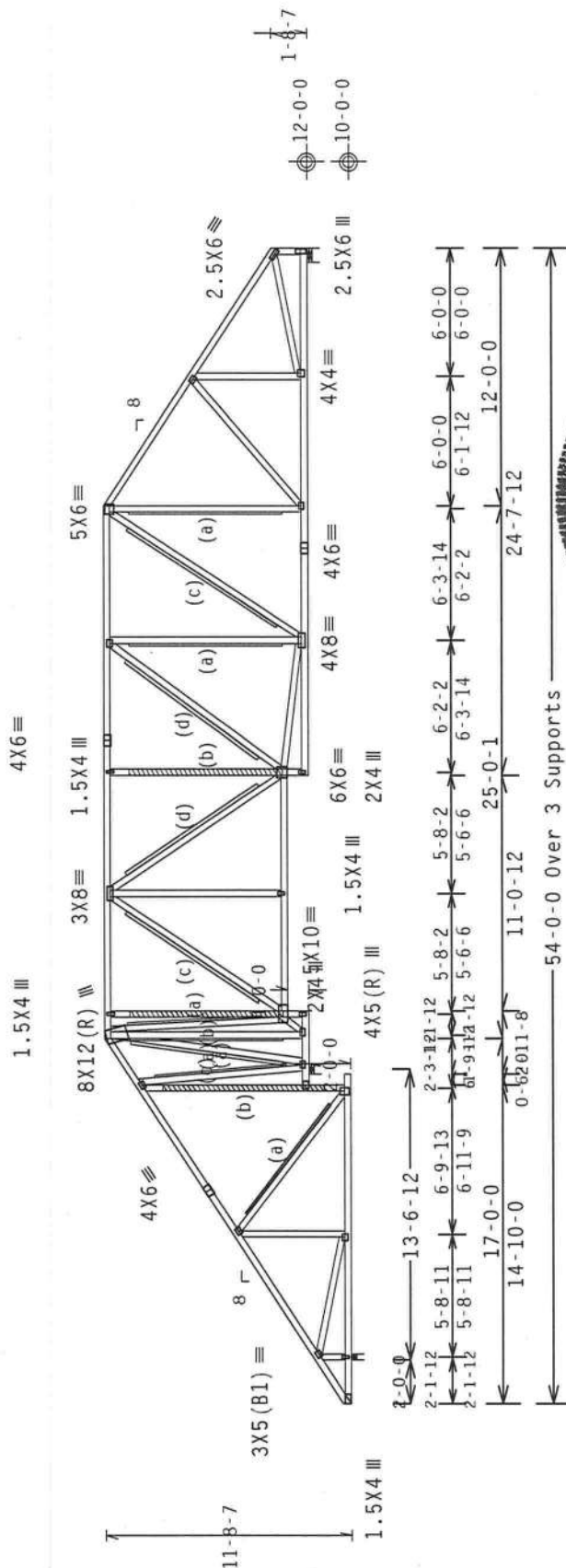
(d) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

(b) #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.

WARNING: Furnish a copy of this DWG to the installation contractor.

Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=1576 I=0 W=7.778"

R-2279 U=97 W=5.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

FT/RT=10%(0%) / 0(0)

10:03:04-0601-46

Scale = .125"/Ft.

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

*****IMPORTANT*****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing.

Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA)

practices prior to performing these functions. Installers shall provide temporary bracing

condress noted otherwise. Top chord shall have properly attached structural sheathing and voids shall have a properly attached r/aid ceiling. Locations shown for permanent lateral restr-

shall have bracing installed per 8CSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from

any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping,

bracing of trusses. Apply plates to each face of truss and position as shown above and on

Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions.

responsibility solely for the design shown. The suitability and use of this design for an

the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see

general notes page; ITH-BCo: www.ithwbcg.com; IPI: www.ipinist.org; WICA: www.socindustry.co.uk; IFF: www.iffsafe.org

Journal of Management Education 35(3)

ALPINE

ITW Building Components Group Inc.

Union City, El 33014

FL COA #0378

FL COA #0218

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

(d) 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.

(b) 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.

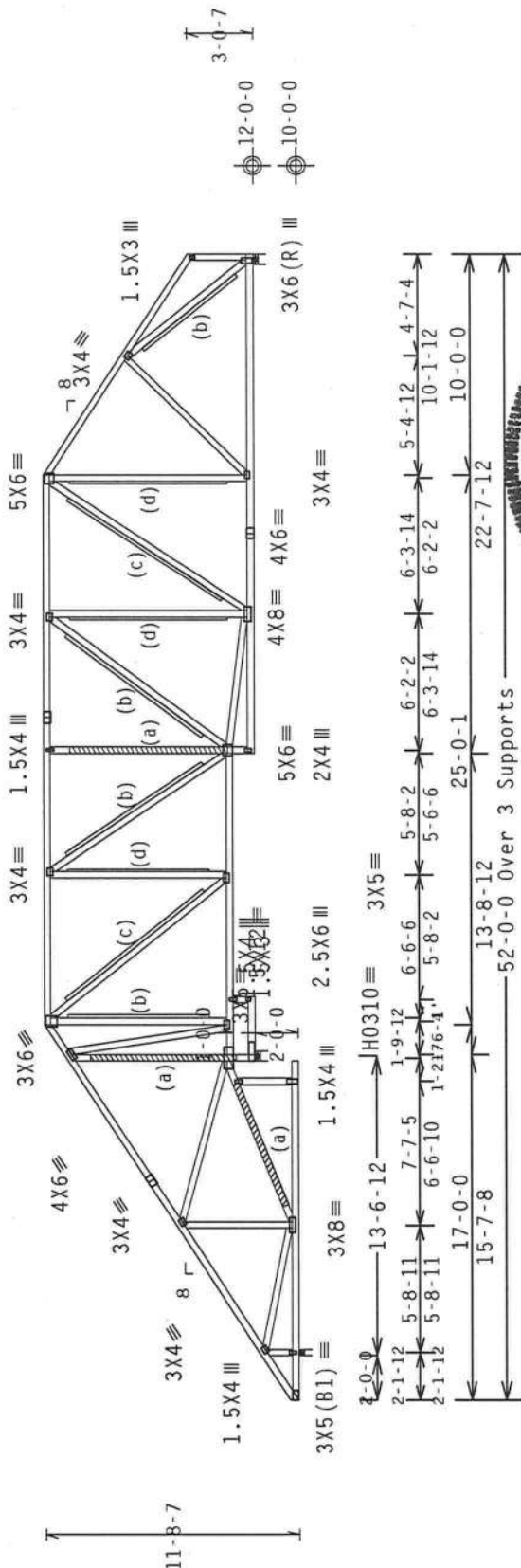
(a) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3".min.) nails @ 6" OC.

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

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

MMWERS loads based on trusses located at least 16.04 ft. from roof edge.

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

 $4 \times 6 =$ 

R=696 U=0 W=3.5"
RL=238/-208

R=2160 U=100 W=5.5"

PLT TYP. 20 Gauge HS.Wave

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

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

TC LL	20.0 PSF	REF R487 - 61407
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DATE	11/28/11
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[illegible]

BC DL	10.0 PSF	URW HCUSR487 11332077
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BC LL	0.0 PSF	HC-ENG DF/DF
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TOT.LD.	40.0 PSF	SEQN-	246647
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OUR.FAC.	1.25
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SPACING	24.0"	JREF- 1UHF487 Z03
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responsibility of the Building Designer per ANSI/ISO 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; ITI: www.tiinst.org; ITCA: www.sciindustr.com.

Haines City, FL 33844

110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=-0.18$

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

Right end vertical not exposed to wind pressure.

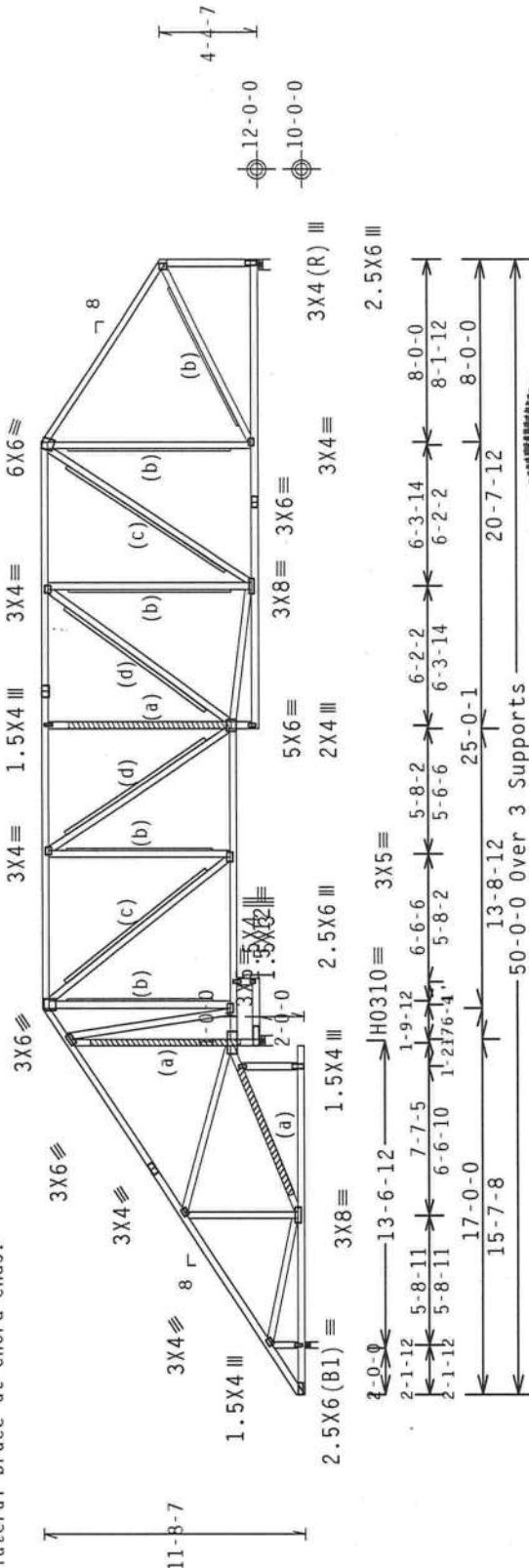
(c) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

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

MWFRS loads based on trusses located at least 16.04 ft. from roof edge.

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



R=719 U=0 W=3.5"
RL=225/-185

R=2047 U=111 W=5.5"

PLT TYP. 20 Gauge HS.Wave

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

Scale = .125"/Ft.

FL/-141-1-1R/-

TC	11	20	0	PSE
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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"

JREF- 111HF487 703

SPACING 24 0"

11/28/2011

This Job's

the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page; IIN-BGC: www.itwbccq.com; TPI: www.tpinet.org; NFCA: www.sbcindustry.com

Haines City, FL 33844

I

Top chord 2x4 SP #2 Dense :T1, T5 2x4 SP M-30:
:T6 2x4 SP #1:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W13, W19 2x4 SP #2 Dense:

Right cantilever is exposed to wind

Calculated horizontal deflection is 0.23" due to live load and 0.25" due to dead 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.

(c) 2x8 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

11110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CL05ED bldg, not located within 13.00 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.

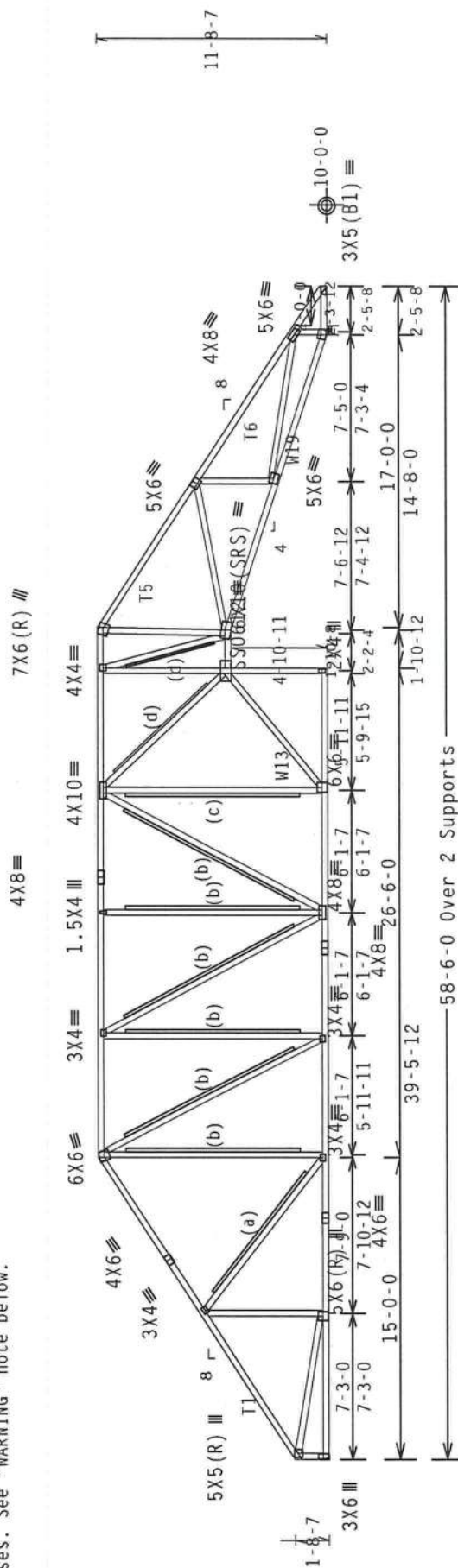
(d) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.) nails @ 6" OC.

(b) 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.

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

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

MMFRS loads based on trusses located at least 16.04 ft. from roof edge.



R=2352 U=0
RL=291/-300

R=2580 I=0 W=5 5"

PLT TYP. 18 Gauge HS.Wave

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

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

10:03.14 060126 QTY

Scale = .125"/Ft.

TC LL	20.0 PSF	REF R487-- 61409
TC DL	10.0 PSF	DATE 11/28/11
BC DL	10.0 PSF	DRW HCUR487 11332042
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 246165
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UHF487_Z03

11/28/2011

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12567
J. S. Smith
11/28/2011

[illegible]

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

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	Wbs	2x4	SP	#3	:W14, W19 2x4 SP #2 Dense:

Right cantilever is exposed to wind

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

(c) 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.

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

MMWERS loads based on trusses located at least 16.04 ft. from roof edge.

1110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 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

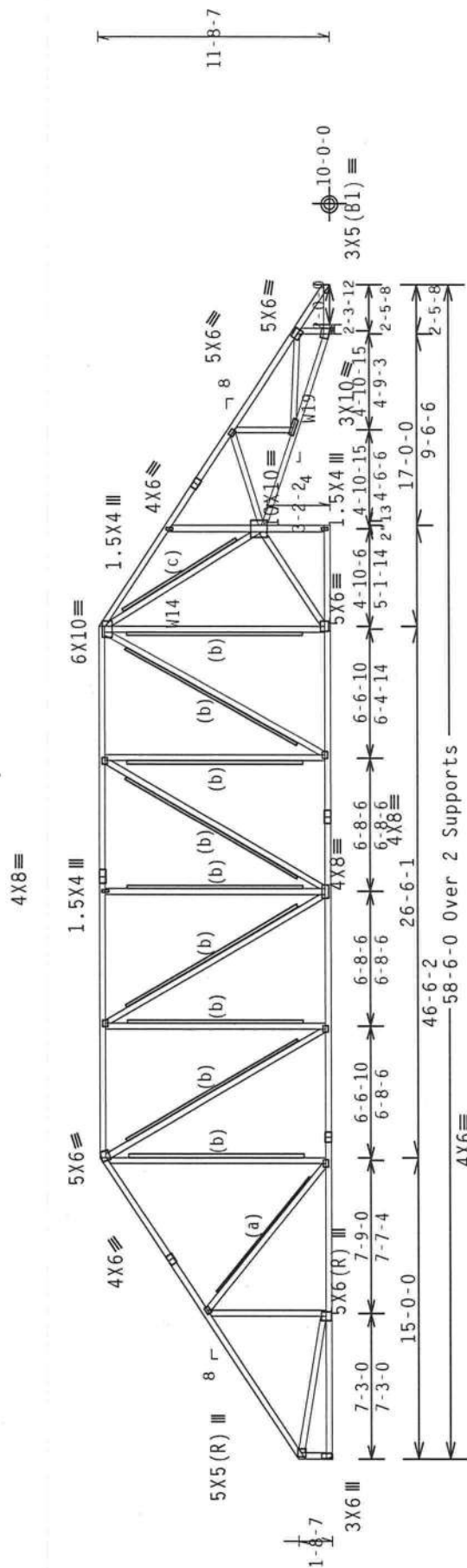
Wind loads and reactions based on MWFRS with additional C&C member design.

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

(b) 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.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=2351 U=0
RL=282 / -290

Note: All Plates Are 3X4 Except As Shown.

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

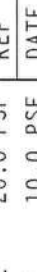
PIT TYPE Wave

Scale = .125"/Ft.

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

10.03.2009 QTY:

Scale = .125"/Ft.



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
P.O. Box 970

****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 BCSI (Building Component Safety Information, by IPT and WICA) for safety practices prior to performing these installations. Installers should be trained in proper structural practices and should be properly instructed in the proper installation of the trusses. Trusses should be installed with structural sheathing and bottom chord bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 design, any failure to build the truss in conformance with ANSI/IPT 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 1600-2 for standard plate positions. A seal on this 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/IPT 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; IPT: www.iptinst.org; WICA: www.bcsindustry.com;



11/28/2011

REF R487 --	61411	TC LL	20.0	PSF	
DATE	11/28/11	TC DL	10.0	PSF	
DRW	HCUSR487	BC DL	10.0	PSF	
HC-ENG	DF/DF	BC LL	0.0	PSF	
SEQN-	246217	TOT.LD.	40.0	PSF	
		DUR.FAC.	1.25		
JREF-	1UHF487	SPACING	24.0"		

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

Left and right cantilevers are exposed to wind

(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.

#1 hip supports 9-0-0 Jacks W/2 panel TC and no end vert.

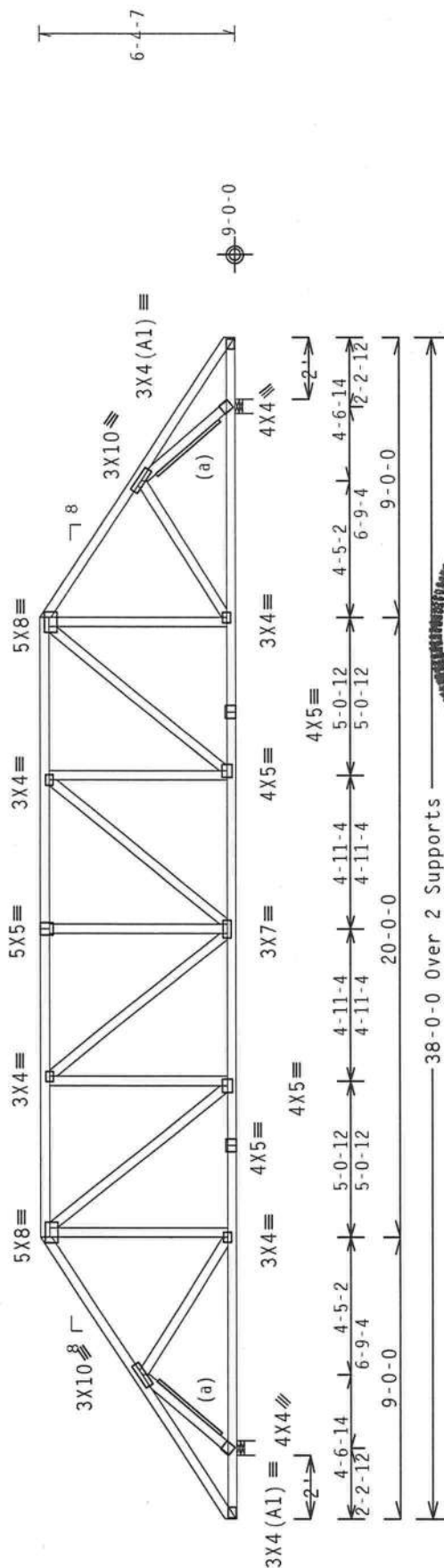
Deflection meets L/240 live and L/180 total load.

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. Iw=1.00 GCpf (+/-)=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.

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



R=3070 I=240 W=5.5"

38-0-0 Over 2 Supports

R=3070 IJ=240 W=5.5"

PLT TYP. Wave

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

10:03 AM 06/28/99

Scale = .1875"/Ft.

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

[illegible]

LTH Building Components Group Inc. (LTHBCG) shall not be responsible for any deviation from the design shown on drawings or specifications. LTHBCG shall not be responsible for any failure of any part of the building system due to improper installation, handling, shipping, installation, or use of materials, or for any failure of any part of the building system due to the use of materials other than those specified. LTHBCG shall not be responsible for any damage to or destruction of the building system or its components, or for any injury to persons or property resulting from the use of the building system. LTHBCG shall not be responsible for any liability of any kind incurred by the user of the building system. A seal on the drawings or specifications shall not constitute an 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/P1 Sec.2. For more information see: General notes page; LTH-BG02; www.lthbcg.com; P1; www.plmfirst.org; NICA; www.sbcindusnet.com;

TC LL	20.0 PSF
-------	----------

TC DL 10.0 PSF

BC DI 10 0 PSE

BC 11	0 0 PSE
BC 11	0 0 PSE

BC LL	0.0	F3F
TOT LD	40.0	DCE

101.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

11/28/2011

JREF- 1UHF487_Z03

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

nes CITY, FL 338
FL COA #0 278

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

Left and right cantilevers are exposed to wind

(a) 1x4 #3SRB SPF-S or better "J" 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 use purlins to brace all flat TC @ 24" OC.

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

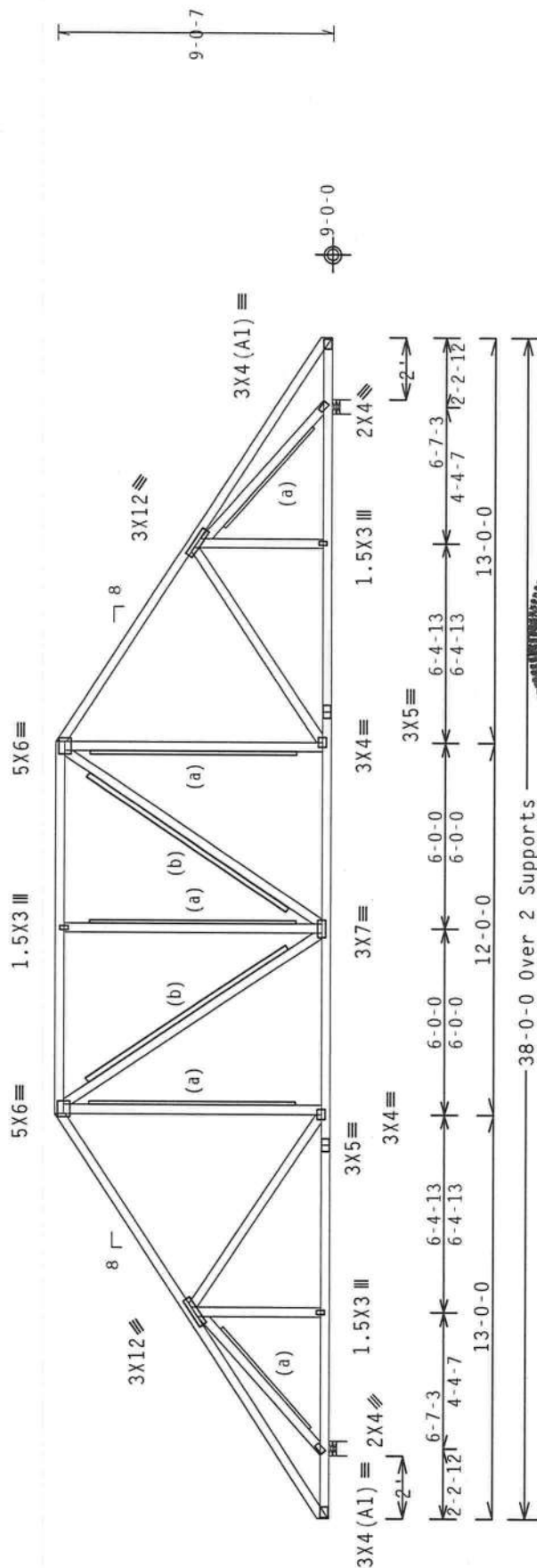
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-) -0.18

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

(b) 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.

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=1597 U=125 W=5.5"
RL=203/-203

38-0-0 Over 2 Supports

R=1597 U=125 W=5.5"

PLT TYP. Wave

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

10.03.2003. 14.06.2003. 20TY

Scale = .1875"/Ft.

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL SUBFACTORS 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 MICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Conditions shown for permanent lateral restraint. Trusses shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

LTV Building Components Group Inc. (LTVBCG) shall not be responsible for any deviation from the design shown, or for any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, or erecting of the truss. LTVBCG shall not be responsible for any details, unless noted otherwise. Apply plates to each face of truss and position as shown and on the joint. Refer to drawings I60W-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. For more information, contact Designer, Dept. ANSI/TPI 1 Sec.2, LTVBCG, 10001 Highway 100, P.O. Box 100, New Tecumseth, ON L9Y 4R2, Canada. Tel: 905-881-1800; fax: 905-881-1801; e-mail: info@lvtc.com; www.lvtc.com.

ALPINE

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

Haines City, FL 33844
FL COA #0 278

11/28/2011

NG 24.0"

JREF- 1UHF487 703

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

Left and right cantilevers are exposed to wind

- (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.
- (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.

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 GCP1(+/-)=0.18

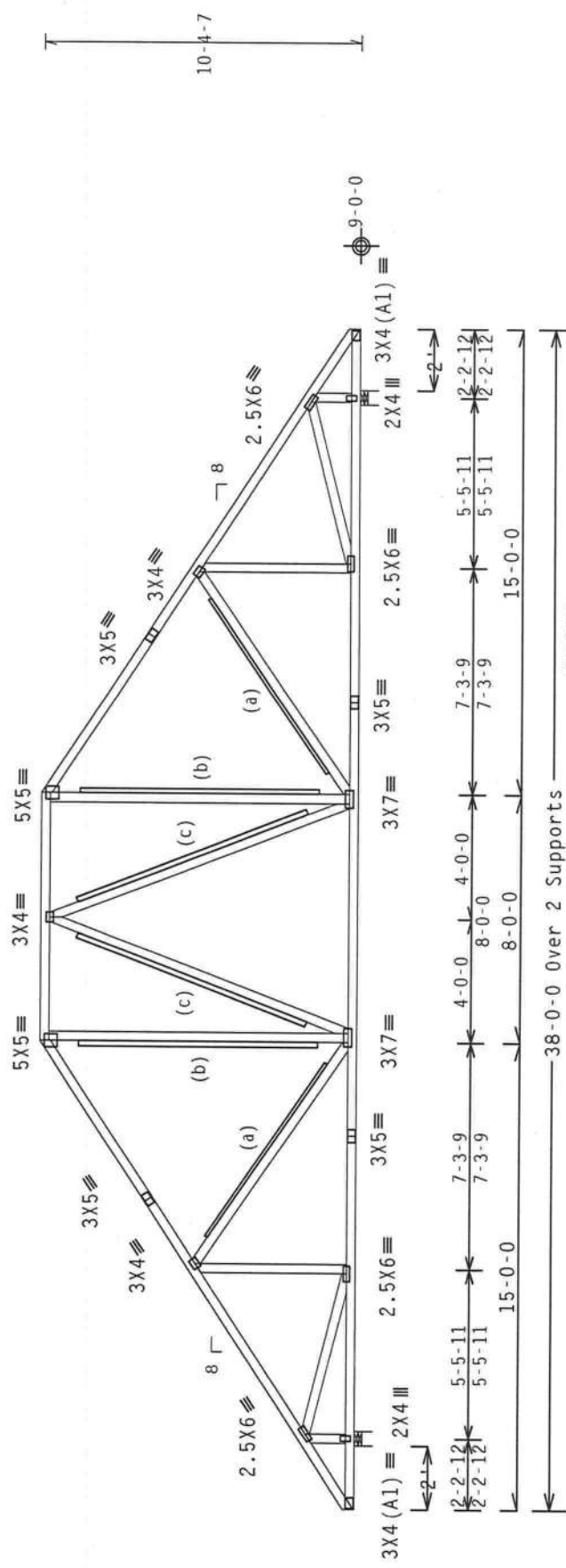
Wind loads and reactions based on MWFRS with additional C&C member design.

- (b) 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.

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



R=1685 U=0 W=5.5"
RL=234/-234

R=1685 U=0 W=5.5"

PLT TYP. Wave

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

Scale = .1875"/Ft.

WALTER P. FINN
LICENSE
No. 22839
04/06/16
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/28/2011

PLT TYP. Wave

ALPINE

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

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

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

TC LL	20.0 PSF	REF	R487--	61415
TC DL	10.0 PSF	DATE	11/28/11	
BC DL	10.0 PSF	DRW	HCUSR487	11332065
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	245251	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UHF487_Z03	

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

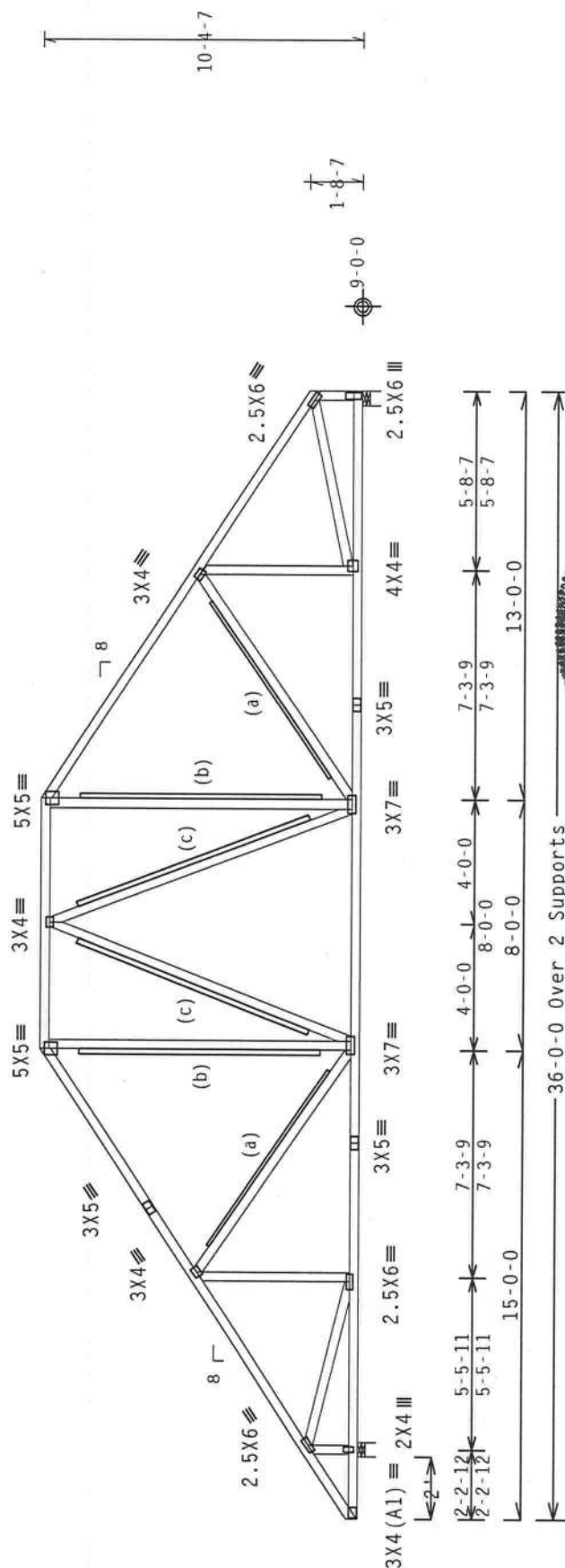
Wind loads and reactions based on MWFRS with additional C&C member design.

(b) 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.

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



R=1701 U=0 W=5.5"
RL=222/-212

R-1501 U=0 W=5.5"

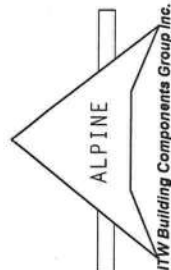
PLT TYP. Wave

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

10:03. M0602889 QTY:

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

Scale = .1875" / Ft.



Haines City, FL 33844
FL COA #0 278

11/28/2011

*****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. Knowledge of the location and placement of BCSI Building Component Safety Information, by TPI and NITCA for use by the fabricator, is essential to the proper installation of the temporary bracing per the BCSI instructions. The contractor shall have properly attached temporary bracing per the BCSI instructions. The contractor shall have a properly attached rigid ceiling. Trusses shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

general notes page: 1
 ICC: www.iccsafe.org

responsibility for the design shown, the sustainability 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; IIN-866; www.fwbcc.com; [tpi: www.tpiinst.org](http://www.tpiinst.org); WICA; www.sciindust.com.

1/28/2011

SPACING 24.0"

IRFF- 1IHF487 703

(11-209--Fill in later BOB JORDAN -- ** - B2)

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

(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.

(b) 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.

MMFRS loads based on trusses located at least 15.04 ft. from roof edge.

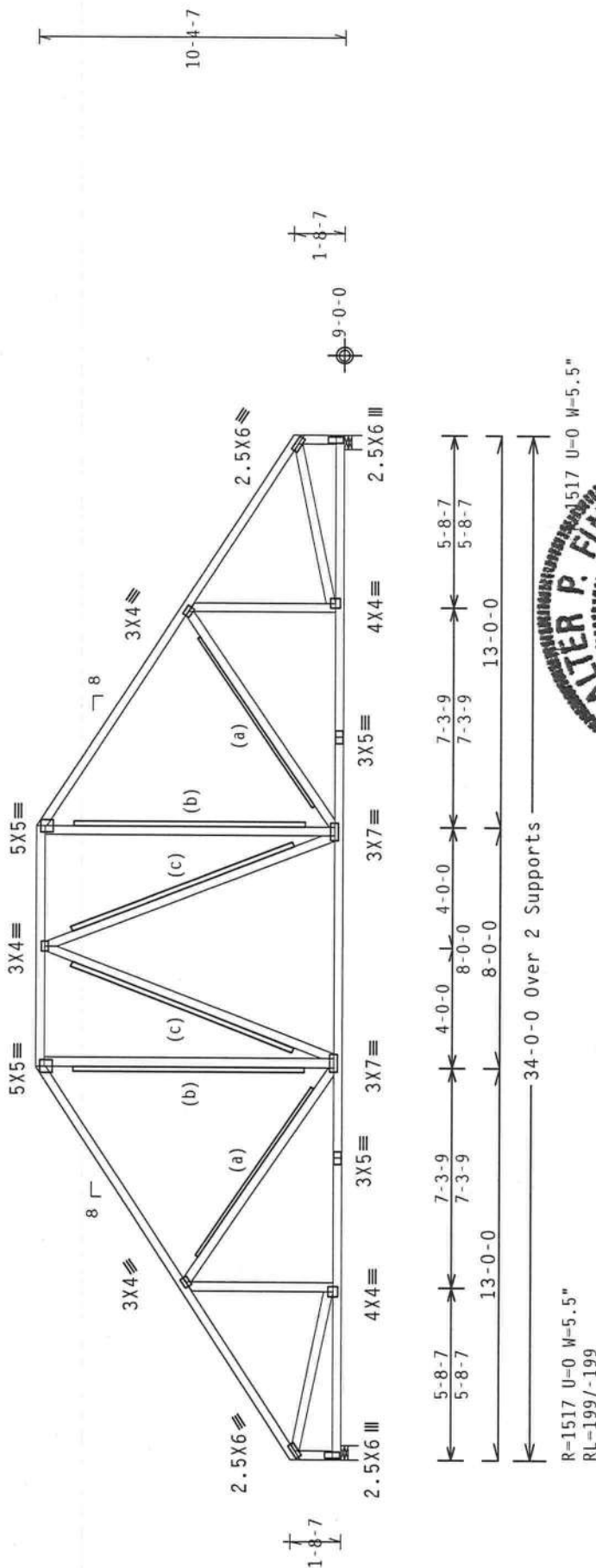
110 mph wind, 15.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

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

(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.

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



PLT TYP. Wave

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

Scale = .1875"/Ft.

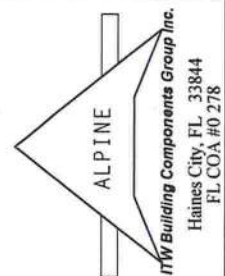
TC LL	20.0 PSF	REF	R487-- 61417
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332091
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245285
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UHF487_Z03



****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. For all editions of the IBC Building Component Safety Information, by IPI and WICA, practices apply to the truss design and installation. The truss manufacturer shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSC sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the bracing 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-Z for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility for the design and use of this design for any structure is the responsibility of the building owner. See ANSI/TPI-1 for more information. For general notes page: ITH-BCG: www.ithbcg.com; IPI: www.tpinet.org; WICA: www.sclindustry.com; ICC: www.iccsafe.org



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

: Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.816'

(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.

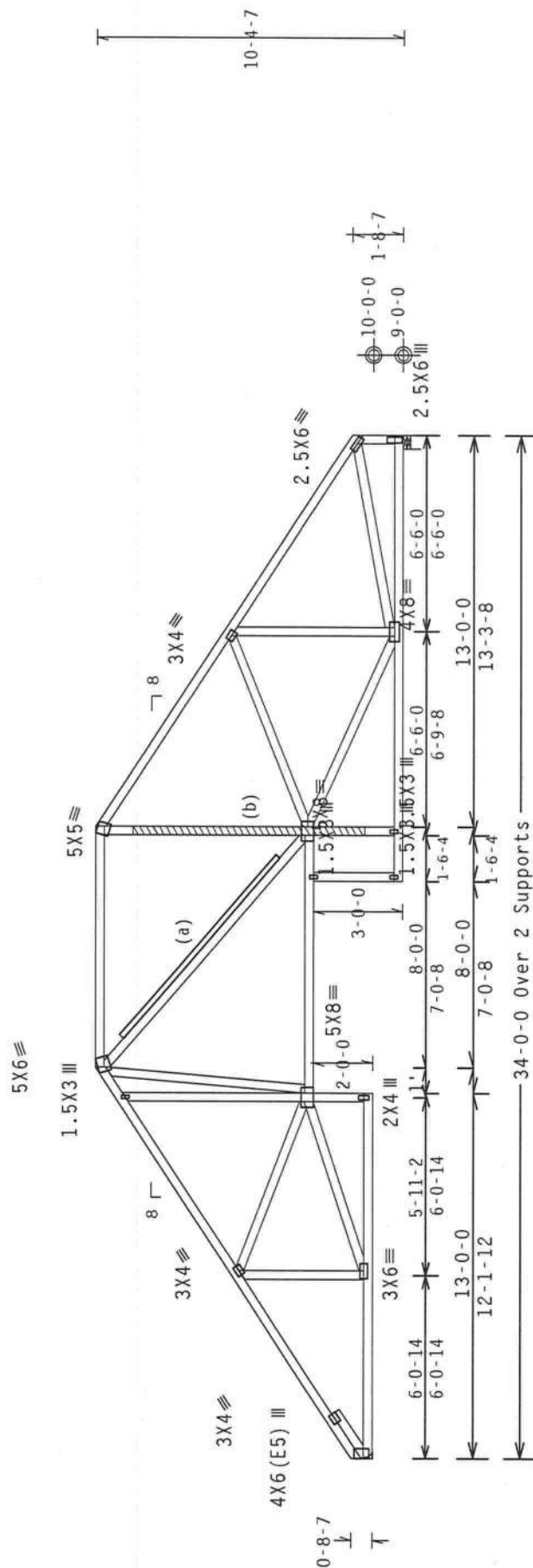
MMFRS loads based on trusses located at least 30.08 ft. from roof edge.

1110 mph wind, 15.04 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.

(b) #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.

R=1429 U=0
RL=199/-199

PLT TYP. Wave

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

10:03:04.060116

Scale = .1875"/Ft.

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

grosses require extreme care in fabricating, handling, shipping, installing and bracing. The manufacturer's edition of the Building Component Safety Information, by IFI and NELA, should be consulted for details. The following are the most common problems noted otherwise, 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 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 shown, or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or any failure of trusses. Apply plates to each face of truss and position as shown above and on the underside of the truss. Details, unless noted otherwise. Refer to drawings 1608-2 for standard plate positions. A seal 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 user and the installing designer. www.ansi/tpi.org; for more information see: ITWBCG, www.itwbcg.com; ITWBCG, info@itwbcg.com; ITWBCG, www.1554546.org.

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

11/28/2011

SPACING 24.0"

JREF- 1UHF487 Z03

(11-209--Fill in later BOB JORDAN -- , ** - BT1)

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

110 mph wind, 16.54 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 GCpl(+/-)=0.18

End verticals not exposed to wind pressure.

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

(a) Continuous lateral bracing equally spaced on member.

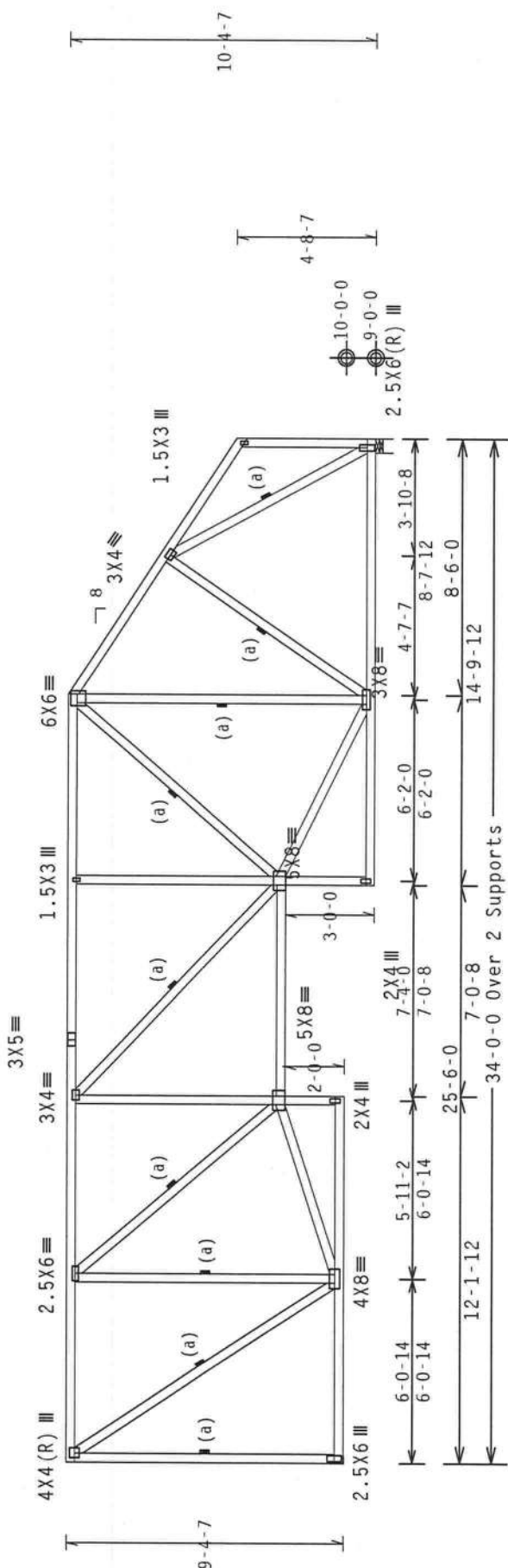
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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

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

MWFRS loads based on trusses located at least 33.07 ft. from roof edge.



R=1643 U=131
RL=41/-89

10'-1618 U=11 W=5.5"

PLT TYP. Wave

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

Scale = .1875"/Ft.

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing for all trusses until they are permanently braced. Trusses shall be braced in accordance with the attached structural sheathing and blocking details. Trusses shall have a properly attached rigid ceiling locations for lateral resistance. 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 any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, loading, bracing 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 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. For more information see: This job's drawings and specifications. ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WICA: www.sciindustry.com; ICC: www.iccsafe.org

WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/28/2011

TC LL	20.0 PSF	REF	R487--	61419
TC DL	10.0 PSF	DATE	11/28/11	
BC DL	10.0 PSF	DRW	HCUSR487	11332095
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	245658	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UHF487_Z03	

(11-209--Fill in later BOB JORDAN -- , ** - C)

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

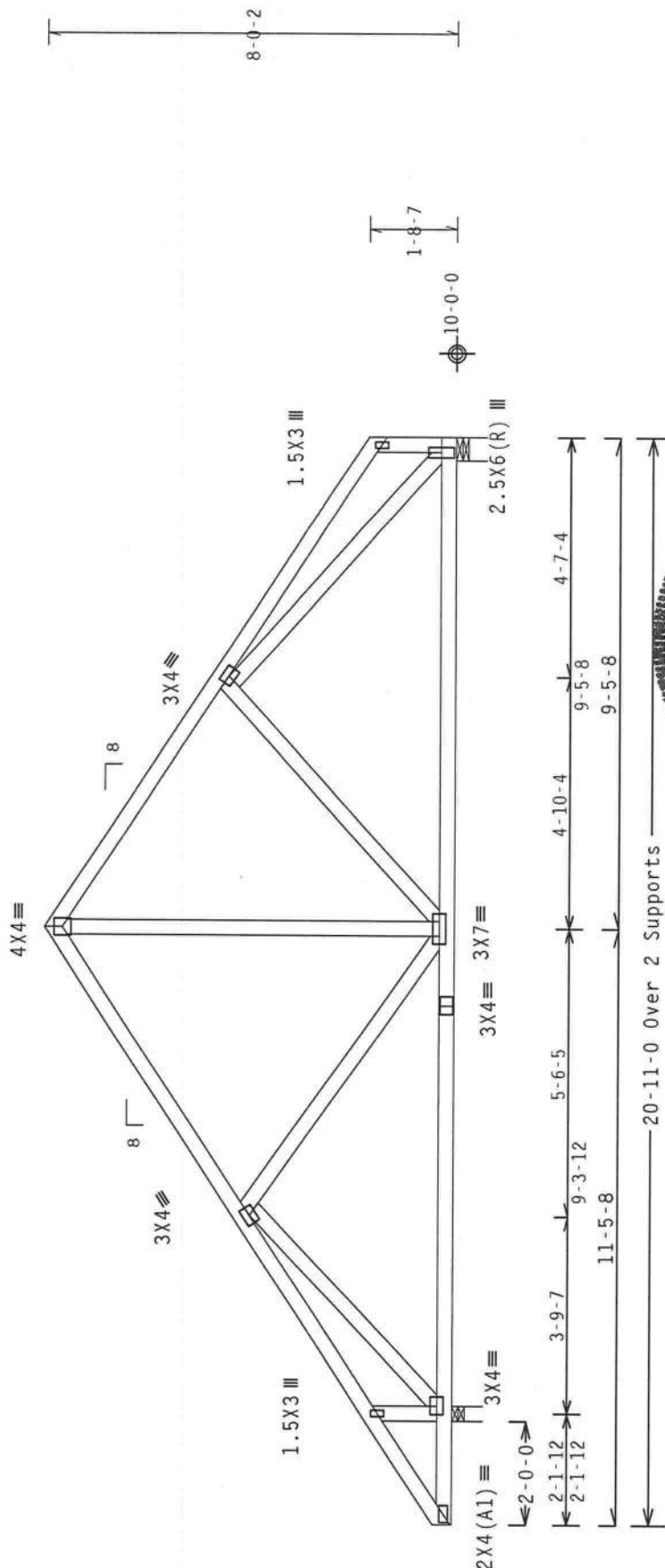
Left cantilever is exposed to wind

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

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. IW=1.00 GCPI(+/-)=0.18

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

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



R-987 U=62 W=3.5"
RL=161/-150

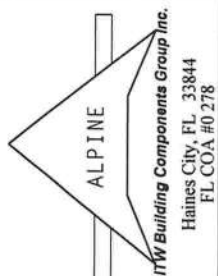
PLT TYP. Wave

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

Scale = .3125" / Ft.	FL / - / 4 / - / - / R / -
REF R487 -- 61420	TC LL 20.0 PSF
DATE 11/28/11	TC DL 10.0 PSF
DRW HCUSR487 11332069	BC DL 10.0 PSF
HC-ENG DF/DF	BC LL 0.0 PSF
SEQN - 245903	TOT.LD. 40.0 PSF
DUR.FAC. 1.25	
SPACING 24.0"	
JREF - 1UHF487_Z03	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on the drawing or cover page listing this design, the suitability and use of this design for any structure is responsibility solely for the design shown. The suitability and use of this design for any structure is responsibility solely for the design shown. For more information see: This Job's general note page: TPI-BCSI: www.tpi-bcsi.com; TPI: www.tpinat.org; WCA: www.bcsiindustry.com; ICC: www.iccsafe.org



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

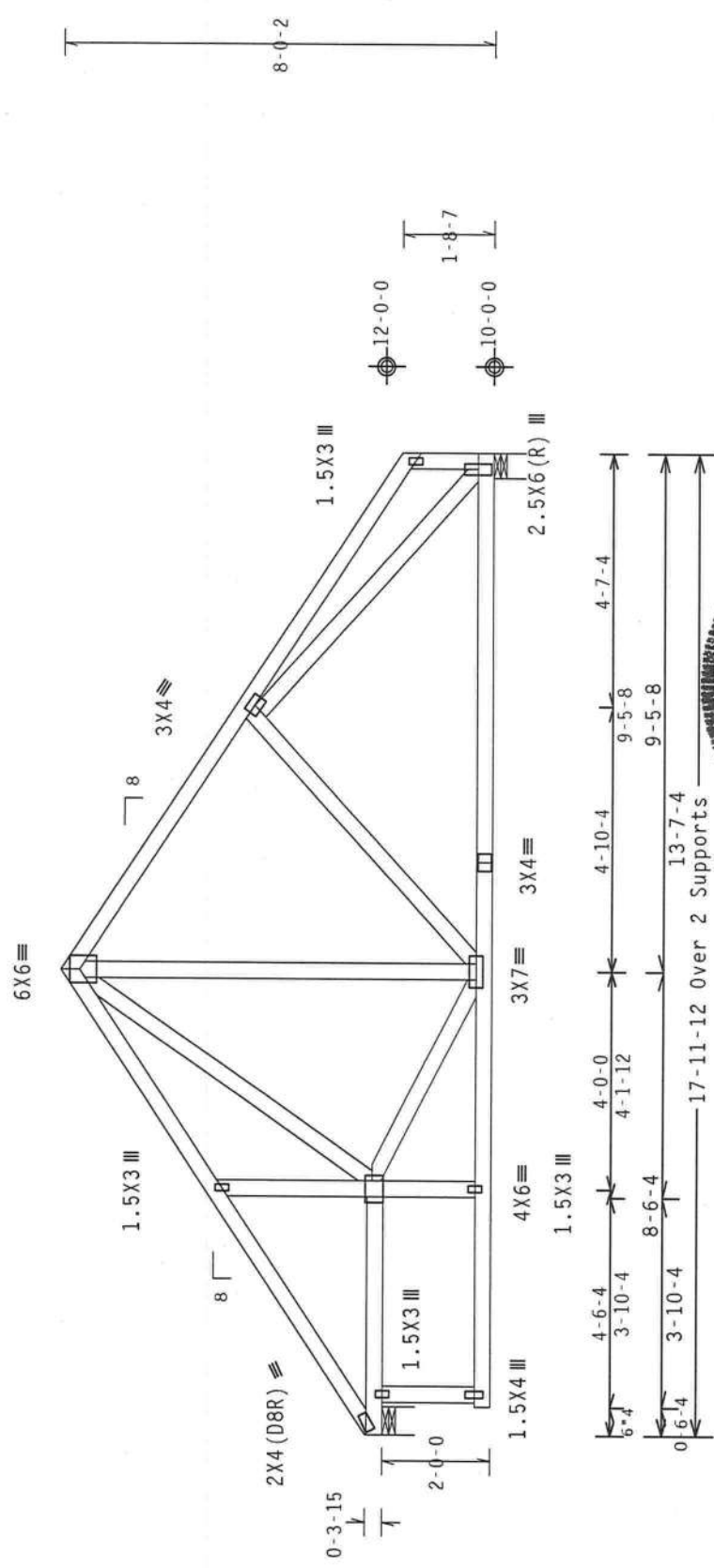
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

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. IW=1.00 GCPI(+/-)=0.18

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

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



R=762 U=56 W=6.278"
RL=130/-136

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

PLT TYP. Wave

Scale = .3125" / Ft.	FL / - / 4 / - / - / R / -
TC LL 20.0 PSF	REF R487 -- 61421
TC DL 10.0 PSF	DATE 11/28/11
BC DL 10.0 PSF	DRW HCUSR487 11332072
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 245925
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UHF487_Z03

WALTER P. FINN
LICENSE
10103. No. 0602839
11/28/2011
FLORIDA
PROFESSIONAL ENGINEER

****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. For the latest edition of BCSI Building Component Safety Information, by IPI and WICA) (www.bcsinfo.com) and BCSI Building Component Safety Information, by IPI and WICA) (www.bcsinfo.com) shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from the 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 this design shown. The availability and use of this design for any structure is the responsibility of the user. For more information see: This Job's general notes page: IPI-W-BCG: www.itwbcg.com; IPI: www.tpinat.org; WICA: www.bcsinfo.com; ICC: www.iccsafe.org

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

(11-209--Fill in later BOB JORDAN -- ** - CS2)

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

Left end vertical not exposed to wind pressure.

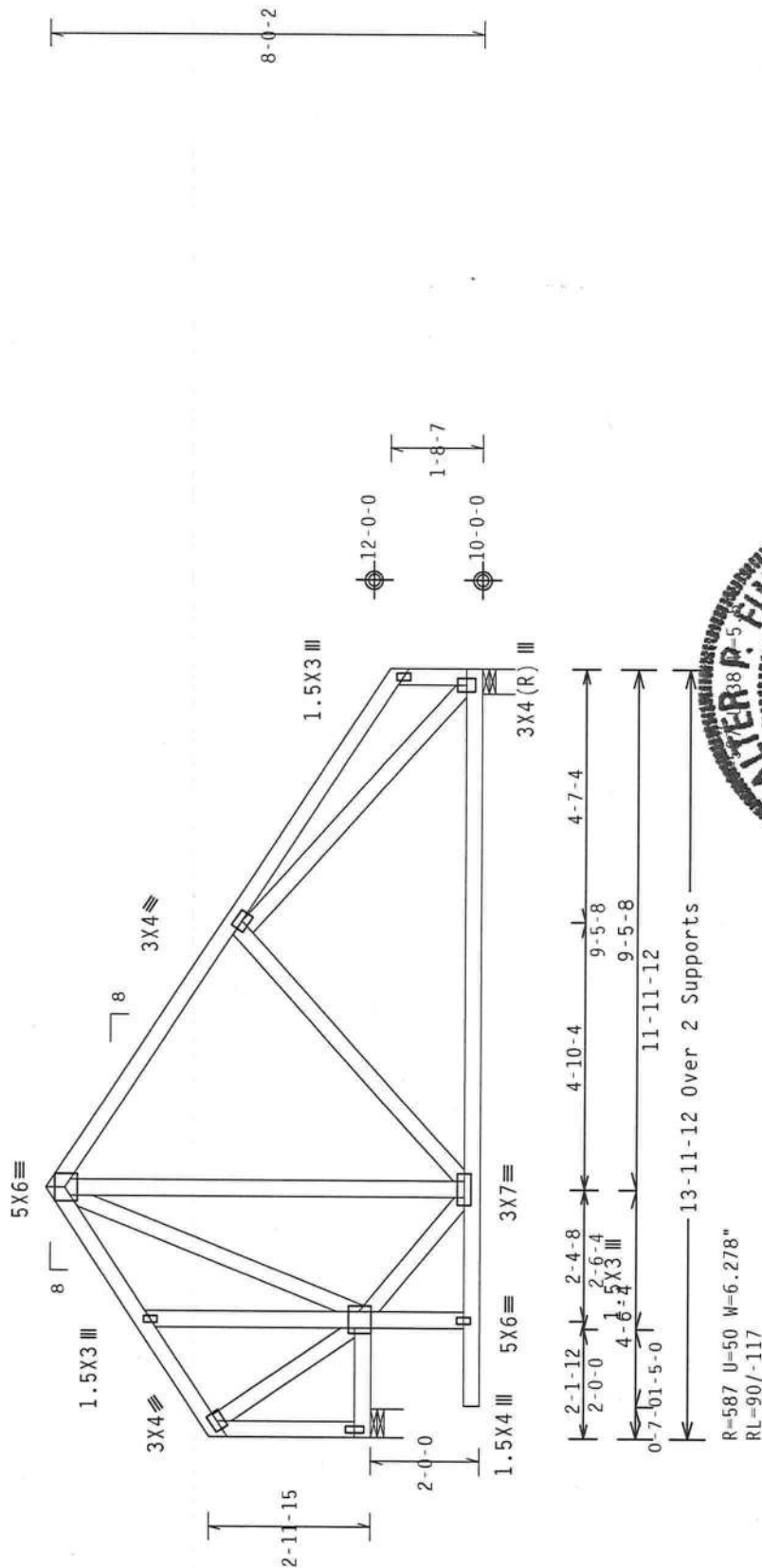
Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS 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. $I_w=1.00$ $GCP1(+/-)=0.18$

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

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



PLT TYP. Wave

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



PLT TYP. Wave	Scale = .3125"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
REF	R487-- 61422
DATE	11/28/11
DRW	HCUSR487 11332071
HC-ENG	DF/DF
SEQN	24597/1
JREF	1UHF487_Z03

11/28/2011

(11-209--Fill in later BOB JORDAN -- , ** - CGE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP M-30
Webs 2x4 SP #3

:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:

Left and right cantilevers are exposed to wind

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NUL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.

+ MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS. 4X4=

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. IW=1.00 GCPI(+/-)=0.18

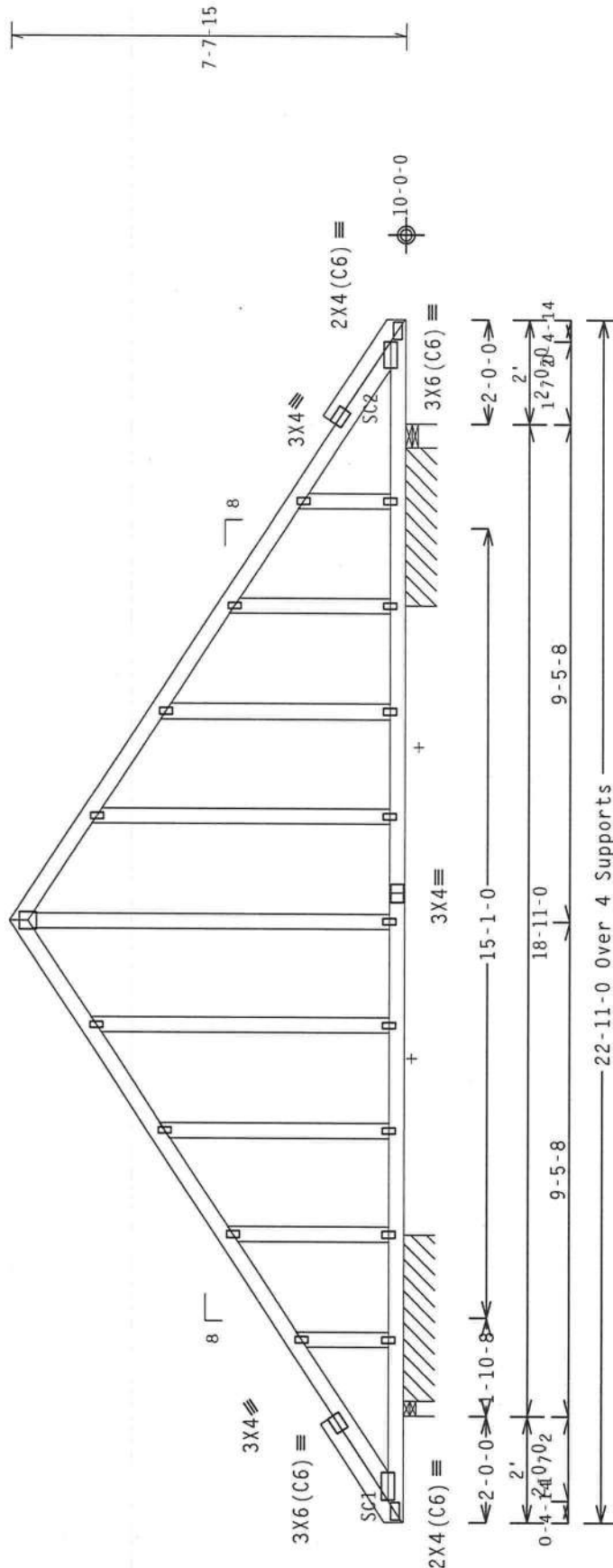
Wind loads and reactions based on MMFRS with additional C&C member design.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

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

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



R=1081 U=0 W=3.5"
RR=309 PLF6W=39 PLF U=50 PLF W=3-2-0

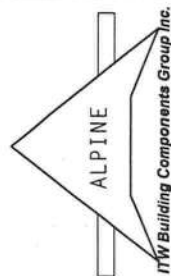
Note: All Plates Are 1.5X3 Except As Shown.

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

PLT TYP. Wave

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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) for details and instructions. Trusses shall be installed in accordance with the instructions and details 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. ITH Building Components Group Inc. (ITHBCG) shall not be responsible for any deviation from 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 details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal of responsibility is required for the design shown. The sealability and use of this design for any structure is the responsibility of the user. For more information see: This Job's general notes page: ITH-BCG: www.ithbcg.com; TPI: www.tpi.net; WICA: www.sbcindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R487-- 61423
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332068
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245979
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UHF487_Z03

Scale = .3125"/Ft.

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

1110 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, Iw=1.00 GCpf (+/-)=0.18

Left and right cantilevers are exposed to wind

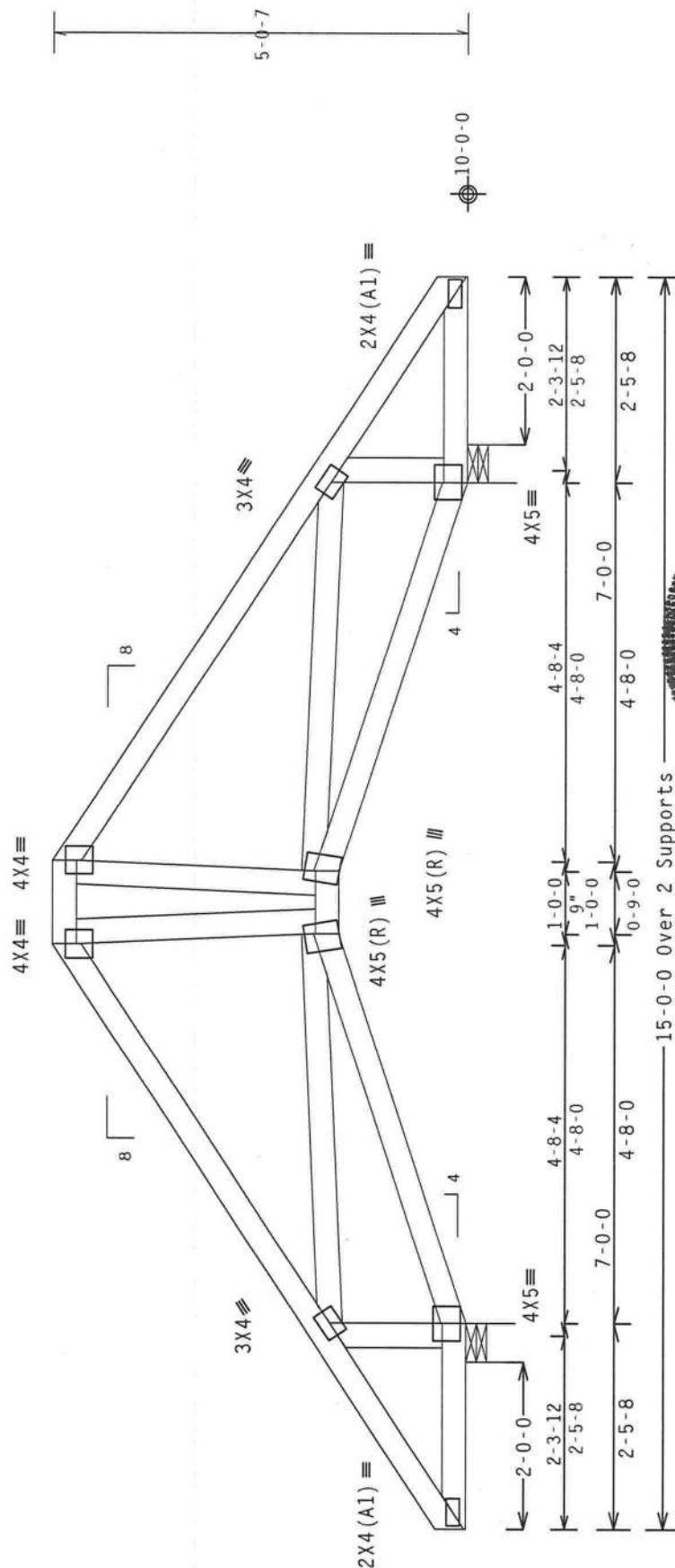
Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

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

Deflection meets L/180 live and L/120 total load.



R=806 U=63 W=5.5"

15-0-0 Over 2 Supports

11-63 W-5.5"

PLT TYP. Wave

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

10:03. No. 002839 QTY:

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

Scale = .5"/Ft.

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

crucies require extreme care in fabricating, handling, shipping, installing and bracing. Please refer to the latest edition of BCSI building Component Safety Information, by IPI and BCSA for details. If the above noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Ceilings shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, B7 or E10, as applicable.

The IITW Building Components Group Inc. (IIBCG) shall not be responsible for any deviation from this drawing or specification by the contractor. The contractor shall verify all dimensions, quantities, materials, processing 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 1600-2 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/APA 1 Sec.2.2. For more information see: This Job's Project Engineer, IIBCG.com; IIBCG e-mail: info@iibcg.com; IPI: www.iibcg.com; more information see: www.16cfsafs.org

IIBCG=www.iibcg.com

ALPINE

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

Haines City, FL 33844

FL COA #0 278

11/28/2011

SPACING

24.0"

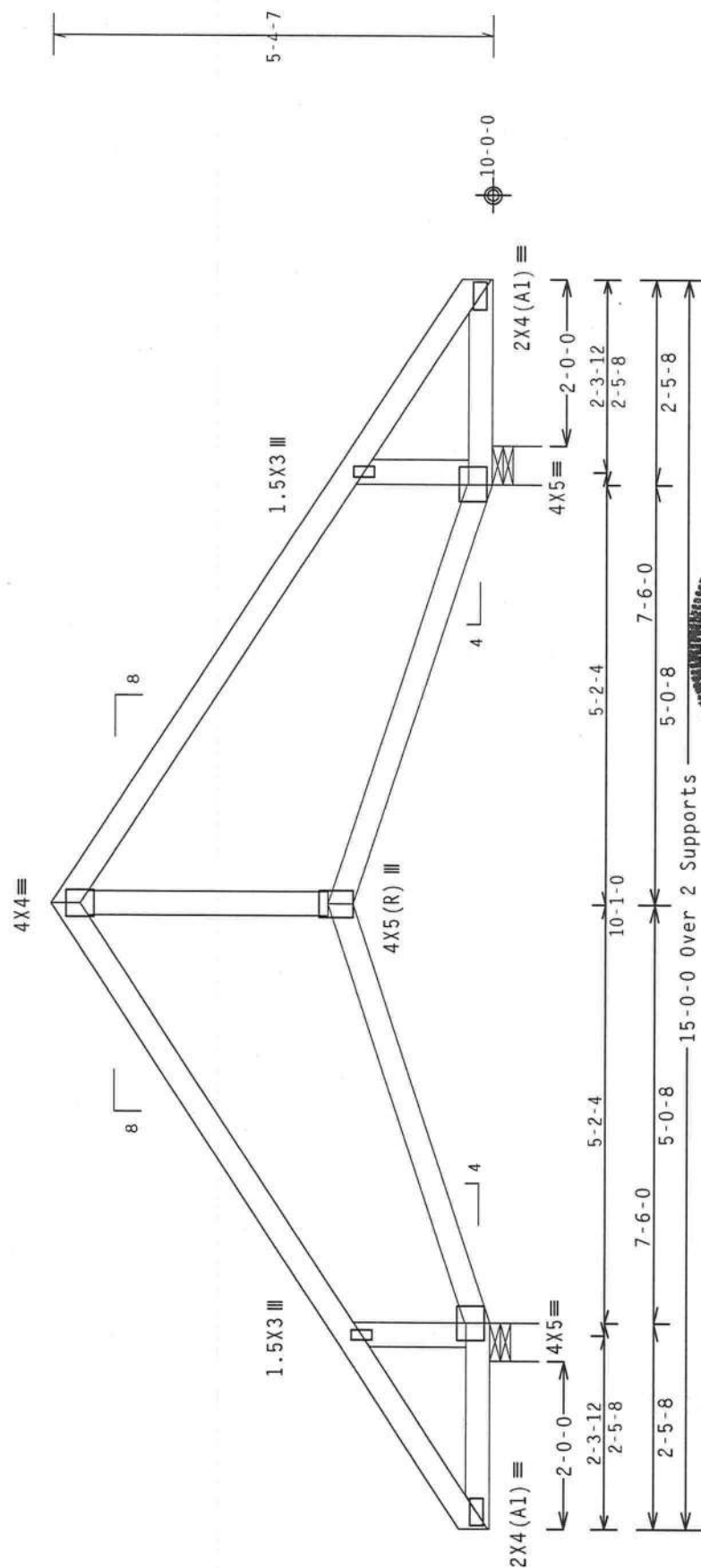
REF - 111HF487 703

111110 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.

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

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



R=636 U=34 W=5.5"
RL=111/-111

PLT TYP. Wave

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

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

11/28/2011

JREF - 1UH487 Z03

****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. Follow the latest edition of BCSI (Building Component Safety) information, both TPI and NTC's practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 bracing of trusses. Apply plates to each rafter of Truss and position as shown above and on the Joining Details, unless noted otherwise. Refer to drawings 160B-2 for standard plate positions. A seal on the drawing or cover plate listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information, contact the general notes at: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NTC: www.ntccafe.org; ICC: www.iccsafe.org.

TC LL	20.0	PSF	REF	R487 --	61425
TC DL	10.0	PSF	DATE	11/28/11	
BC DL	10.0	PSF	DRW	HCUSR487	11332040
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	245781	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UH487	Z03

(11-209--F111 in later BOB JORDAN -- , ** - DS)

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

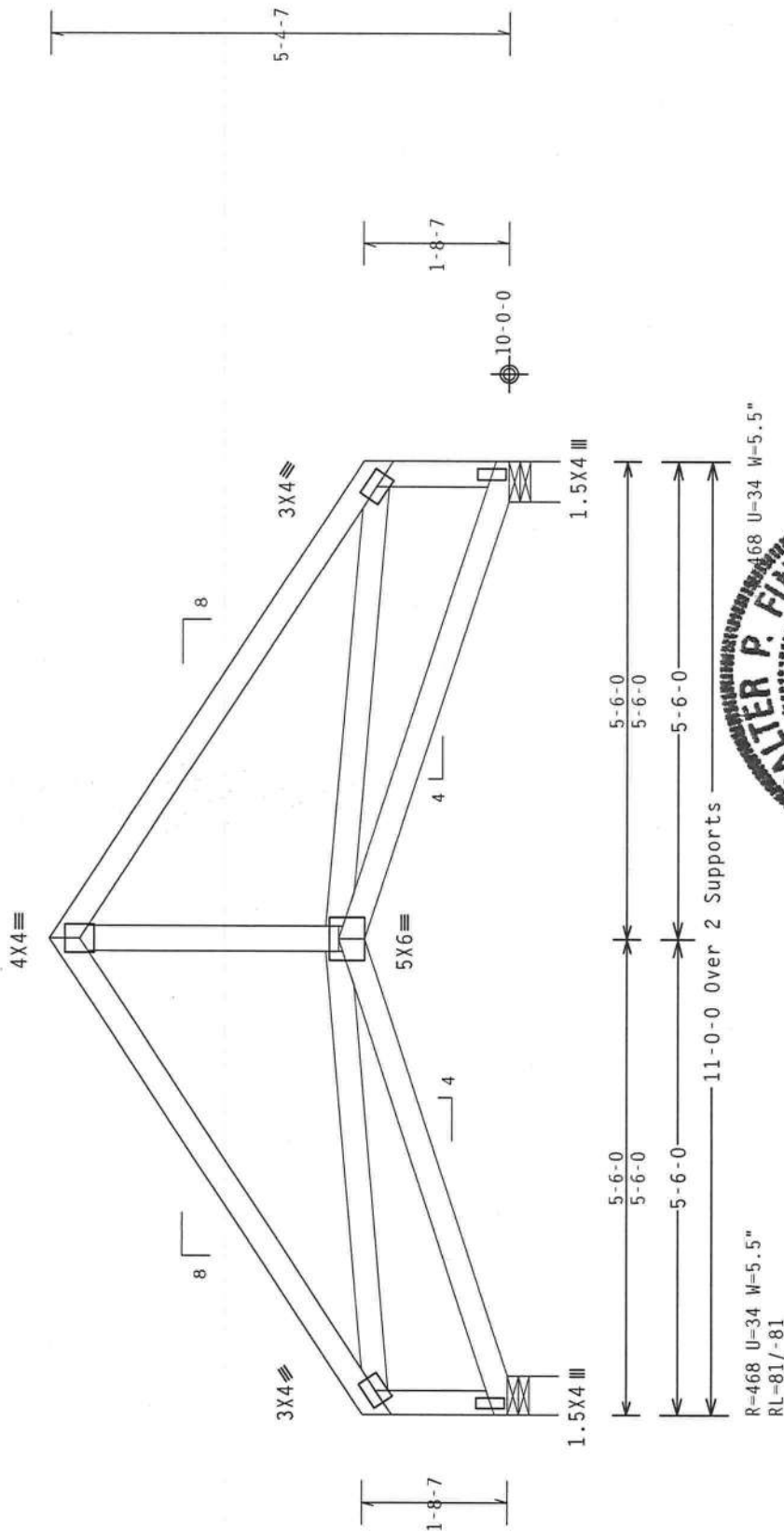
Bottom chord checked for 10.00 psf non-concurrent live load.

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 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.

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

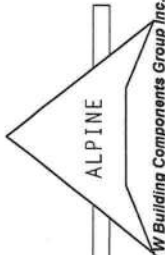


R=468 U=34 W=5.5"
RL=81/-81

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

PLT TYP. Wave

Scale = .5" / Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**IMPORTANT** 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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NCCA) for details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, 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: This Job's specifications. ITW-BCSI: www.itwbcg.com; TPI: www.tpiinc.org; NCCA: www.nccsa.org		REF	R487--	61426		
	WARNING ITW Building Components Group Inc. (ITWBCG) shall not be responsible for 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 Job details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, 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: This Job's specifications. ITW-BCSI: www.itwbcg.com; TPI: www.tpiinc.org; NCCA: www.nccsa.org		DATE	11/28/11			
			DRW	HCUSR487	11332019		
			HC-ENG	DF/DF	*		
			SEQN	245788			
			TOT.LD.	40.0 PSF			
			DUR.FAC.	1.25			
			SPACING	24.0"			
			JREF	1UHF487_Z03			

(11-209--Fill in later BOB JORDAN -- , ** - E)

Top chord 2x4 SP #1 :T2, T5 2x8 SP 2400F-2.0E:
Bot chord 2x8 SP SS :B2, B3 2x12 SP SS:
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

Calculated horizontal deflection is 0.18" due to live load and 0.22" due to dead load.

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

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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

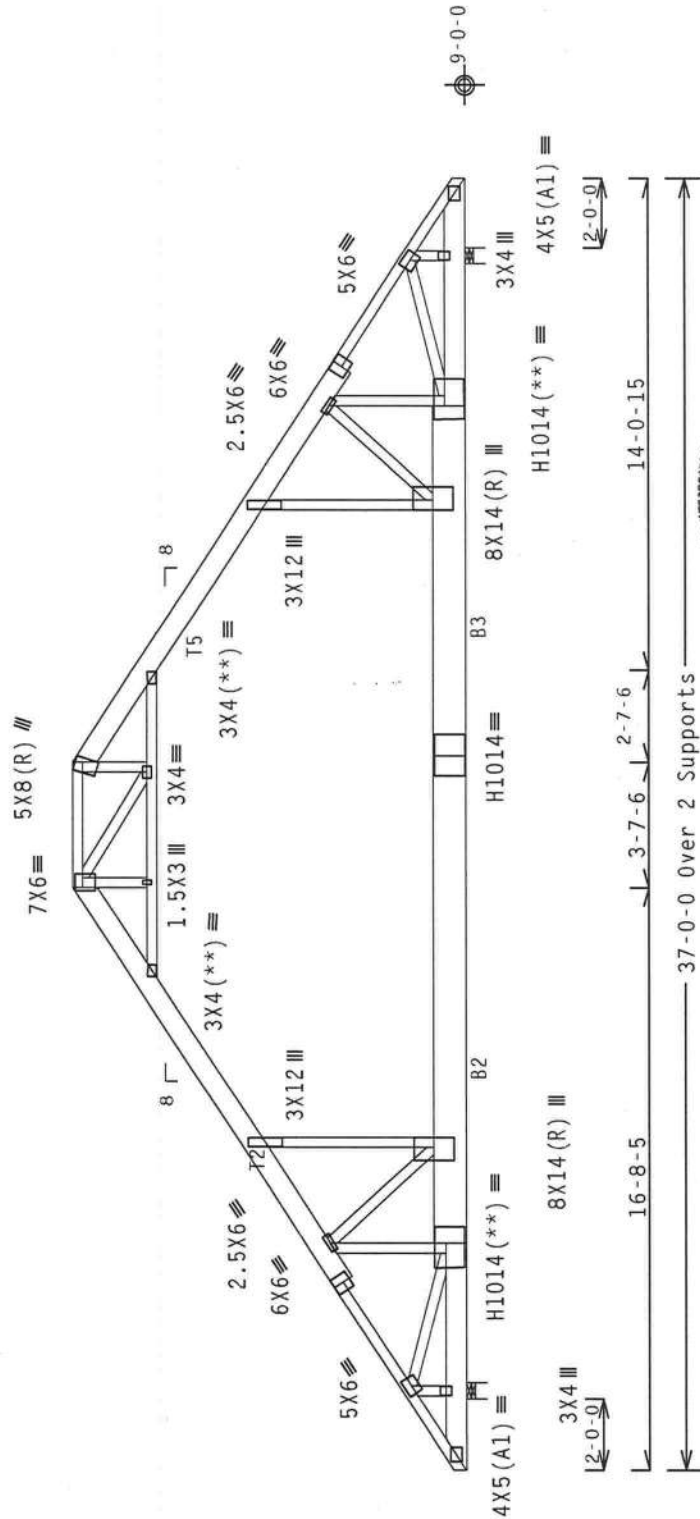
(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, 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 MMFRS with additional C&C member design.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 9-6-0 to 27-6-0.



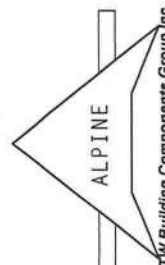
R-2772 U-112 W-5.5"
RL-259/-259

37-0-0 Over 2 Supports

PLT TYP. 20 Gauge HS, Wave

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

Scale = .1875"/Ft.

 ALPINE Haines City, FL 33844 FL COA #0278	PLT TYP. 20 Gauge HS, Wave			Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)			Scale = .1875"/Ft.								
	R-2772 U-112 W-5.5" RL-259/-259			37-0-0 Over 2 Supports			10.03 04.0601 16 No. 22839								
	16-8-5			14-0-15			19 FL/-4/-/R/-								
	12-0-0			12-0-0			TC LL 20.0 PSF								
	12-0-0			12-0-0			TC DL 10.0 PSF								
	12-0-0			12-0-0			BC DL 10.0 PSF								
11/28/2011							BC LL 0.0 PSF								
11/28/2011							TOT.LD. 40.0 PSF								
11/28/2011							DUR.FAC. 1.25								
11/28/2011							SPACING 24.0"								
11/28/2011							JREF- 1UHF487_Z03								

(11-209--Fill in later BOB JORDAN --, ** - ES)

Top chord 2x4 SP #1 :T2, T5 2x8 SP 2400F-2.0E;
Bot chord 2x8 SP 2400F-2.0E :B2, B3 2x12 SP SS;
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

Calculated horizontal deflection is 0.37" due to live load and 0.33" due to dead load.

(a) Continuous lateral bracing equally spaced on member.

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

Trusses to be spaced at 16.0" OC maximum.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 9-6-0 to 27-6-0.

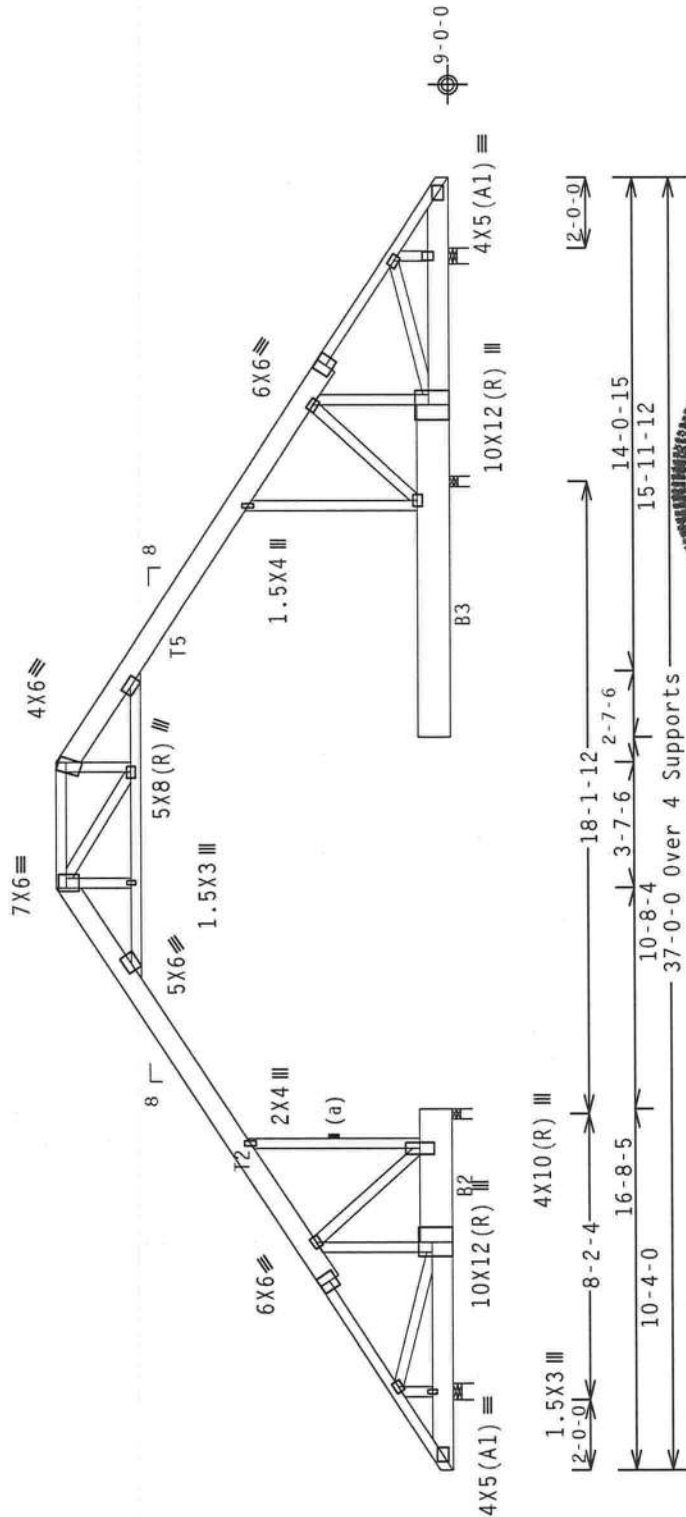
Negative reaction(s) of -451# MAX. (See below) from a non-wind load case requires uplift connection.

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, IW=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.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.



R=306 U=66 W=5.5"

RL=173/-173

R=1517 U=95 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

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

PLT TYP. Wave

1003. No. 062839

QTY

FL/-4/-/-R/-

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	61429
TC DL	10.0 PSF	DATE	11/28/11	
BC DL	10.0 PSF	DRW	HCUSR487	11332046
BC LL	0.0 PSF	HC-ENG	JB/AP	
TOT.LD.	40.0 PSF	SEQN	247959	
DUR.FAC.	1.25			
SPACING	16.0"	JREF	1UHF487_Z03	

WALTER R. FINN
LICENSE
1003. No. 062839
11/28/2011

STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

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IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from 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 1604-2 for standard plate positions. The responsibility of the Building Designer 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; IITW-BCG: www.iitwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org

ALPINE

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

(11-209--F111 in later BOB JORDAN -- , ** - F1)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W2, W6 2x4 SP #2 Dense:

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 GCpl(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design.
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 lieu
of structural sheathing.

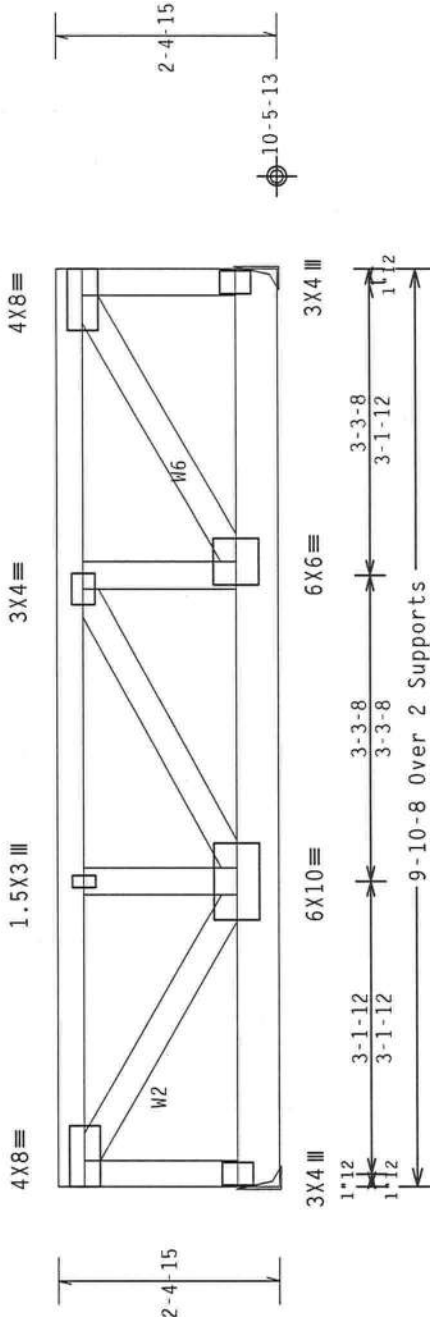
Special loads

-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at 0.00 to 60 plf at 9.88
BC- From 10 plf at 0.00 to 10 plf at 9.88
BC- 896.85 lb Conc. Load at 1.94, 3.94, 5.94, 7.94

End verticals not exposed to wind pressure.

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

Truss must be installed as shown with top chord up.



R=2140 U=4

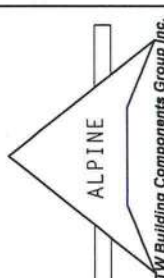
Design Crit: FBC2007Res/TPI-2002 (STD
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

10/03/2011 10:28:39

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

Scale =.5"/Ft.

 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.		REF	R487--	61430
		Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		DATE	11/28/11	
		ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for trusses. Apply plates to each face of truss and position as shown above and on the joint. Trusses, unless noted otherwise, shall be installed in accordance with the instructions on the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITN-BG: www.itnbg.com; TPI: www.tpinat.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org		DRW	HCUSR487	11332025
				HC-ENG	DF/DF	
				SEQN-	245477	
		TC LL	20.0	PSF		
		TC DL	10.0	PSF		
		BC DL	10.0	PSF		
		BC LL	0.0	PSF		
		TOT.LD.	40.0	PSF		
		DUR.FAC.	1.25			
		SPACING	24.0"			
		JREF-	1UHF487_Z03			

	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x6	SP	#2	:B3, B4	2x4 SP #2 Dense:
	webs	2x4	SP	#3		

11111110 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 GCpi (+/-)=0.18

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

Left cantilever is exposed to wind

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

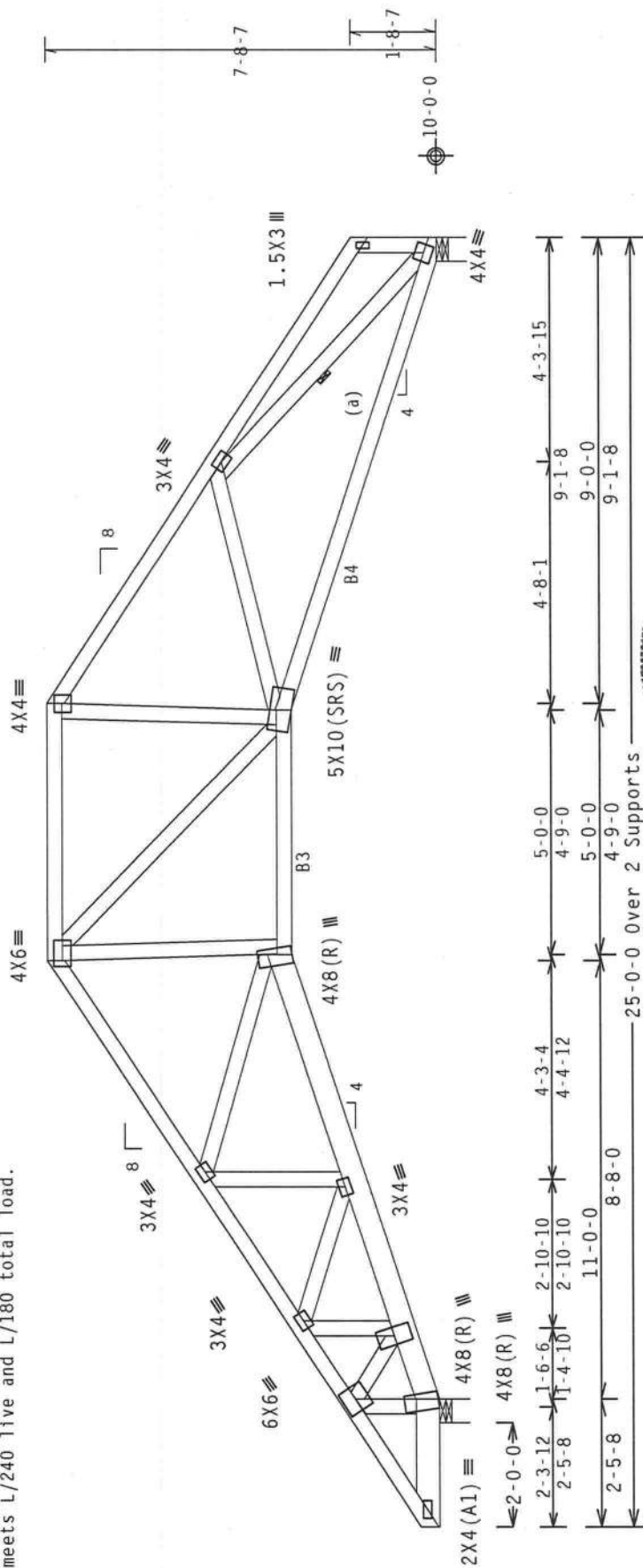
Deflection meets L/240 live and L/180 total load.

Special loads

Species	Lumber	Dur. Fac.-1.25	Plate Dur. Fac.-1.25
TC- From	64 plf at 0.00 to	64 plf at 11.00	
TC- From	64 plf at 11.00 to	64 plf at 16.00	
TC- From	64 plf at 16.00 to	64 plf at 25.00	
BC- From	20 plf at 0.00 to	20 plf at 2.46	
BC- From	21 plf at 2.46 to	21 plf at 11.13	
BC- From	20 plf at 11.13 to	20 plf at 15.88	
BC- From	21 plf at 15.88 to	21 plf at 25.00	
BC- 2139.85	lb Conc. Load at 3.85		

(a) Continuous lateral bracing equally spaced on member.

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



R=3182 U=123 W=5.5"

R=1078 U=96 W=5.5"

PLT TYP. Wave

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

Scale = .3125"/Ft.

FL1-141-1-1R1-

10 03 04 0601 16

3C200/Res/1P1-200Z(31L)
FT/RT=10%(0%) / 0(0)

Design Crit:

PIT TVD Have

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. Follow the latest edition of BCSP (Building Component Safety) information, by an authorized manufacturer, for proper bracing and installation. Top chord shall be properly attached structural steeling and bolted. Underside of top chord shall be properly attached structural steeling and bolted. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

The Building Components Group Inc. ("BAGC") shall not be responsible for any deviation or failure to build the truss in conformance with ANSI/PPI L-1 for handling, shipping, bracing of trusses. Apply plates to each face of truss and position as shown above and on details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. 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 analysis and construction are the responsibility of the building designer per ANSI/PPI L-1 Sec.2. For more information see general notes page: L1H-R60; the building designer per ANSI/PPI L-1 Sec.2. For more information see: www.bagc.com; www.ltruss.com; www.trussinfo.com

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
Tel. 800.440.378

Haines City, FL 33844
FL COA #0379

James City, FL 338
FL COA #0378

1

(11-209--Fill in later BOB JORDAN --, ** - G1)

Top chord 2x4 SP #2 Dense :T4 2x4 SP #1:
Bot chord 2x6 SP #2 :B3, B4 2x4 SP #2 Dense:
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. Iw=1.00 GCpi(+/-)-0.18

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

Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

4X5(R) III

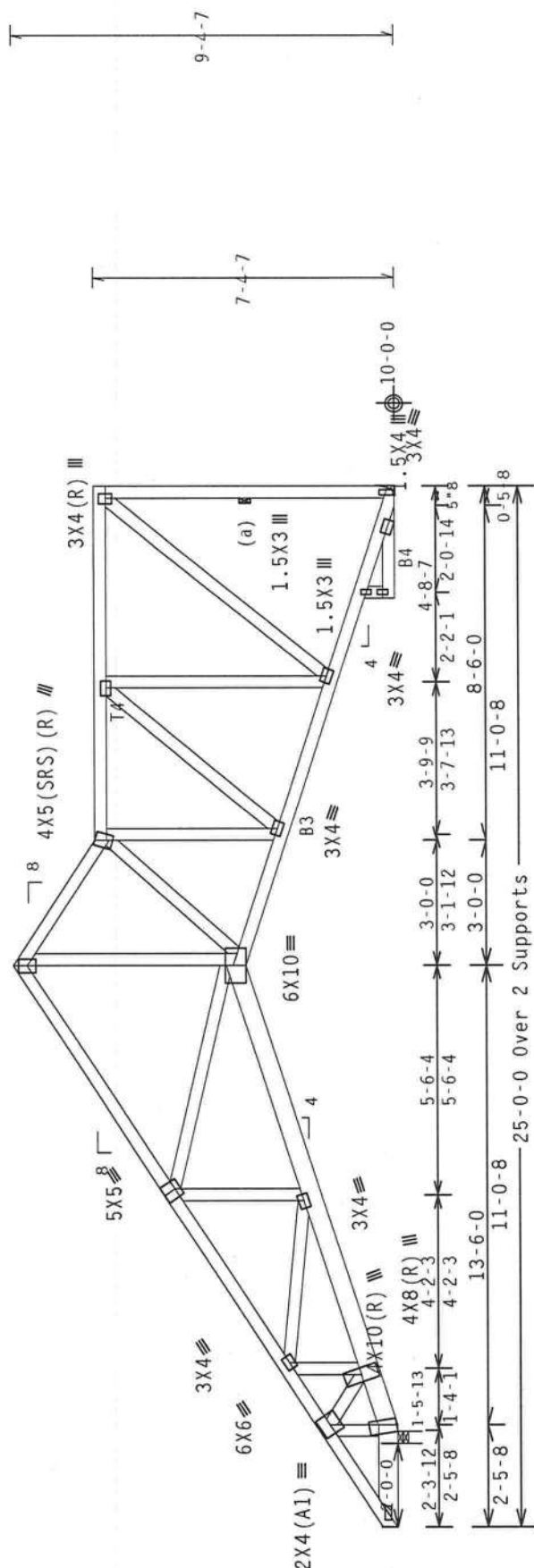
Special loads

-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 64 plf at 0.00 to 64 plf at 13.50
TC- From 64 plf at 13.50 to 64 plf at 16.50
TC- From 64 plf at 16.50 to 64 plf at 25.00
BC- From 20 plf at 0.00 to 20 plf at 2.46
BC- From 21 plf at 2.46 to 21 plf at 13.50
BC- From 21 plf at 13.50 to 21 plf at 22.32
BC- From 20 plf at 22.32 to 20 plf at 25.00
PLB- 2140.12 lb Conc. Load at (3.85,10.51)

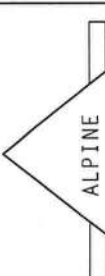
Right end vertical not exposed to wind pressure.

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-3141 U=174 W=3.5"

PLT TYP. Wave  ALPINE  ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		1003. No. 22839		FL/-4/-/-R/-		Scale =.25"/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. Kneewall and follow the latest edition of BCSP (Building Component Safety Information, by TPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for approximate lateral restraint shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.		★		★		★	
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this any failure to build the truss in conformance with ANSI/HF 1.1 for framing, including the use of detailing of connections. 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 per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page. ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org		★		★		★	
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(11-209--Fill in later	
Top	chord 2x4 SP #2 Dense
Bot	chord 2x4 SP #2 Dense
	Webs 2x4 SP #3

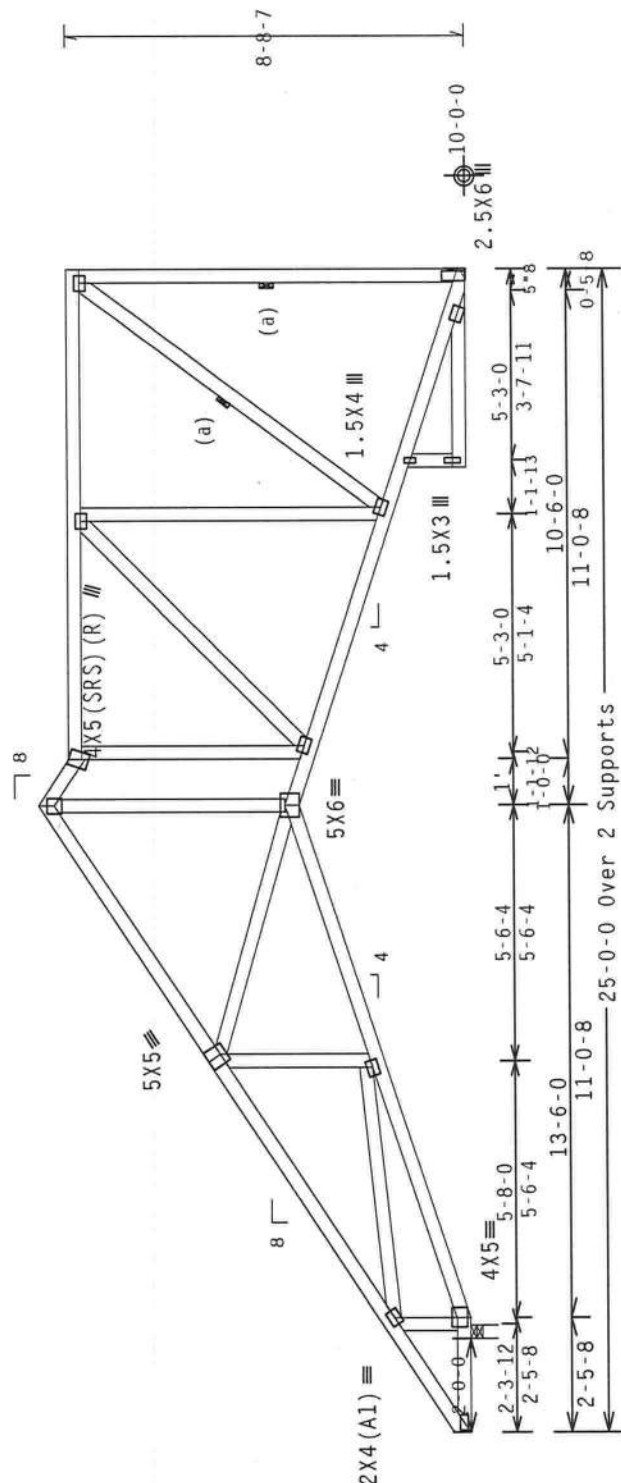
111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=-0.18

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

Right end vertical not exposed to wind pressure.

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.

 $4 \times 4 \equiv$ 

R=1161 U=0 W=3.5"
RL=149/-79

Note: All Plates Are 3X4 Except As Shown.

PLI TYP. Wave

PIT TYP. Wave

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

Scale = .25"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Components) information, by first installing the bracing system, then the trusses. Properly attached structural sheathing and bottom chords are noted requirements for permanent lateral restraint.

The Building Components Group, Inc. (IBC/GC) shall not be responsible for any deviation from the design shown on drawings or specifications. IBC/GC will build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, erecting or dismantling of trusses. Applied plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings IBC-2 for standard plate positions. A seal on the underside of the top chord is required. The seal must be applied to all joints. Sealant must be applied to all welding or cover plate latching this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design are your structures. It is the responsibility of the building engineer to determine if the design meets the requirements of applicable codes. This job's design was prepared by IBC/GC. IBC/GC was designed by TPI; www.tpinet.org; WICA; www.sbcindustry.com; IBC; www.ibc-usa.org



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

Haines City, FL 33844
FL COA #0278

James City, FL 338
FL COA #0278

11/28/2011

SPACING 24.0"

REF- 1UHF487_Z03

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

Left cantilever is exposed to wind

(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.

(b) 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.

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

WMFRS loads based on trusses located at least 30.41 ft. from roof edge $\frac{4}{5}X5 \equiv$

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

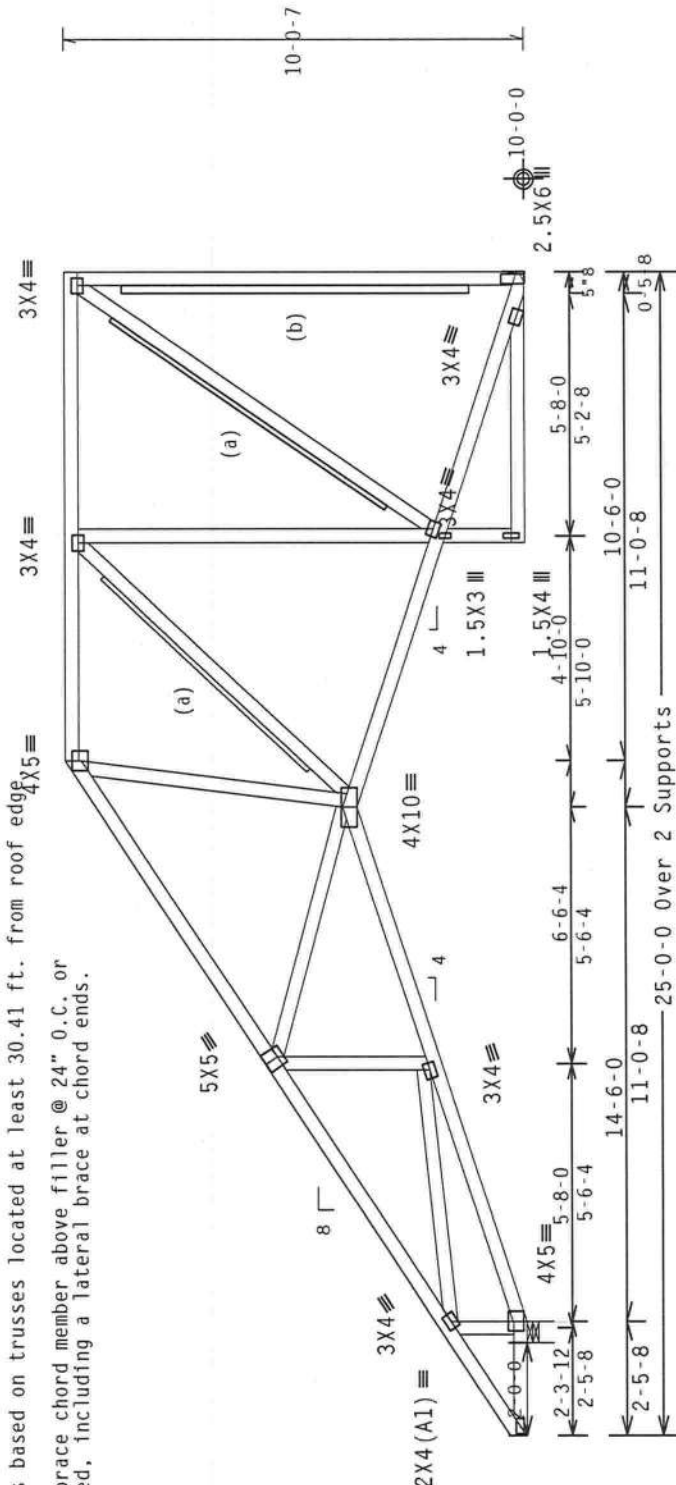
111110 mph wind, 15.20 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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=1176 U=0 W=5.5"
RL=159/-77

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

PLT TYP. Wave

10:03 AM 0622839 QTY: FL/-/4/-/-/R/-

Scale = .25"/Ft.

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

crusces require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI building component safety information for details. The following instructions are for the installation of the BCSI structural sheathing and bottom chord. The bottom chord shall have properly attached structural sheathing and bottom chord bracing. The bottom chord shall have a properly attached rigid ceiling. Bottoms shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

LTH Building Components Group Inc. (LTHBCG) shall not be responsible for any deviation from this drawing or specification due to any failure to build the truss in accordance with ANSI/APA 10-1, or for handling, shipping, installation, or packing 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 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 LTH BCG's LTH Sec.4. For more information see: This job's general notes page; LTH-BCG: www.lthbcg.com; PPI: www.ppi-net.org; WCA: www.wcaindust.com.

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

Haines City, FL 33844
FL COA #0 278

JREF- 1UHF487 Z03

SPACING 24.0"

11/28/2011

more information see:
www.sbcindustry.com

JREF- 1UHF487 Z03

(11-209--F111 in later BOB JORDAN -- , ** - G4)

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

Left cantilever is exposed to wind

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

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

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

MFERS loads based on trusses located at least 31.74 ft. from roof edge.

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

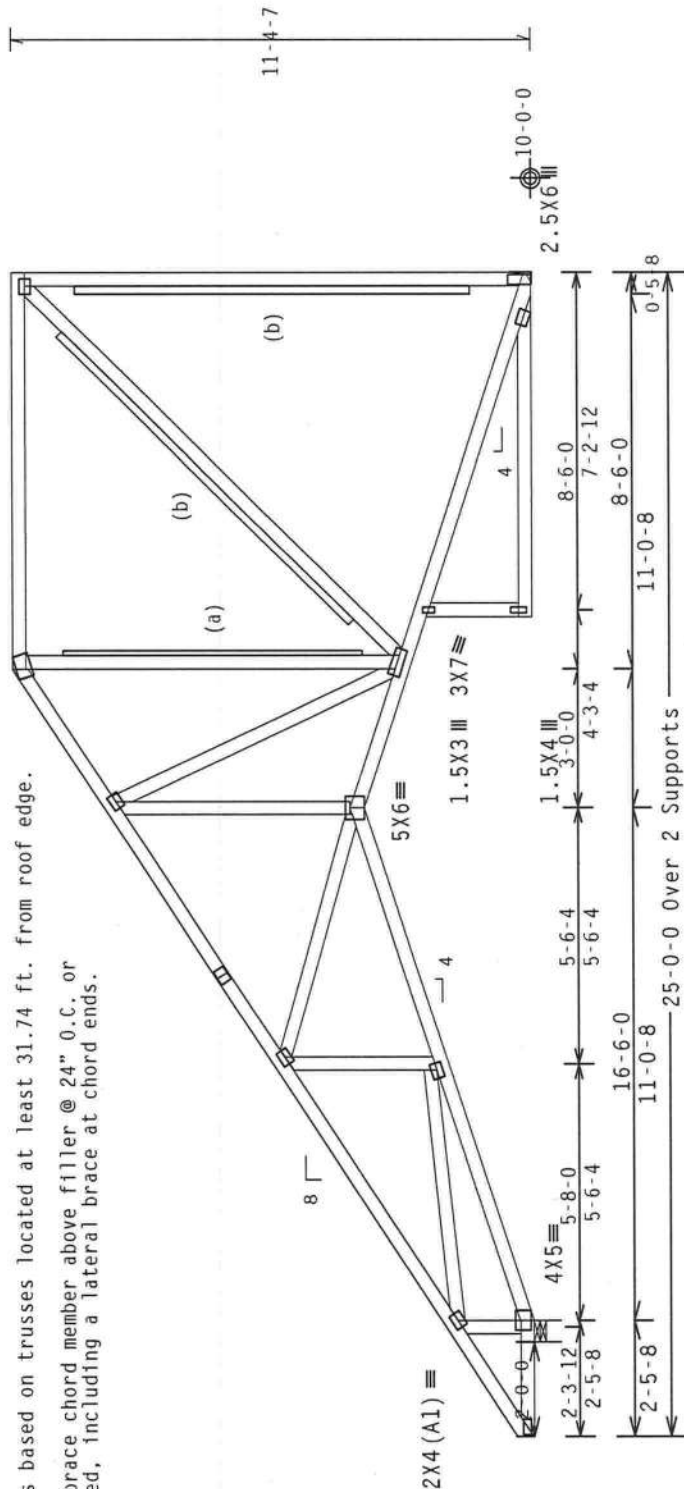
110 mph wind, 15.87 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp(+/-)=-0.18

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

Right end vertical not exposed to wind pressure.

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

4X6 Deflection meets L/240 live and L/180 total load.



R=1177 U=0 W=5.5"
RL=184/-90

Note: All Plates Are 3X4 Except As Shown.

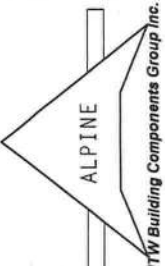
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0)/0(0)

PLT TYP. Wave

10/03/2010 10:03:28 AM

FL/-4/-/-R/-

Scale = .25"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 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 design. Any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, 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 for temporary bracing details. The installer is responsible 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: ITN-BCG: www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org		REF	R487--	61435
	DATE	11/28/11	TC LL	20.0 PSF	FL/-4/-/-R/-
	DRW	HCSR487 11332086	TC DL	10.0 PSF	10/03/2010 10:03:28 AM
	HC-ENG	DF/DF	BC DL	10.0 PSF	U=105
	SEQN-	245592	BC LL	0.0 PSF	WALTER P. FINN LICENSE No. 92839
11/28/2011	DUR.FAC.	1.25	TOT.LD.	40.0 PSF	STATE OF FLORIDA PROFESSIONAL ENGINEER
	SPACING	24.0"			
	JREF-	1UHF487_Z03			

(11-209--Fill in later BOB JORDAN -- , ** - 65)

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

Left cantilever is exposed to wind

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

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

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

MWFRS loads based on trusses located at least 31.74 ft. from roof edge.

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

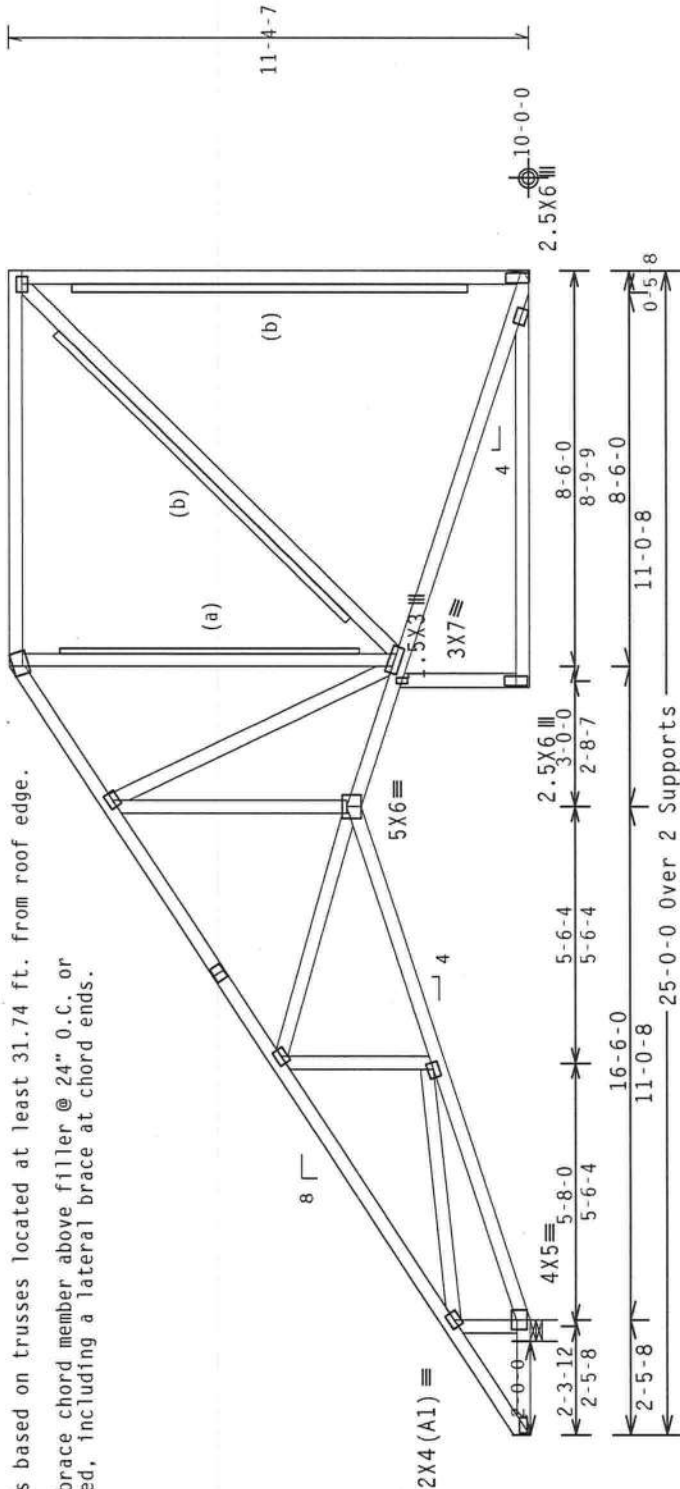
110 mph wind, 15.87 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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

4X6 Deflection meets L/240 live and L/180 total load.



R-1175 U=0 W=5.5"

RL-187/-93

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD

FT/RT=10%(0%)/0(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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from the details, unless noted otherwise. The drawings are the property of IITWBCG and shall remain the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: IITW-BCG: www.iitwbcg.com; TPI: www.tpiinst.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

PLT TYP. Wave

10-03-04 050136

10-03-04 050136

QTY 1

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

Scale =.25"/Ft.

TC LL	20.0 PSF	REF	R487--	61436
TC DL	10.0 PSF	DATE	11/28/11	
BC DL	10.0 PSF	DRW	HCUSR487	11332088
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	245611	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UHF487_Z03	

ALPINE

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

	Top chord	2x4	SP #2	Dense
Bot chord	2x4	SP #2	Dense	:B3 2x6 SP #2:
webs	2x4	SP #3	:W13 2x4 SP #2	Dense:

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.50" o.c.
Webs : 1 Row @ 4" o.c.

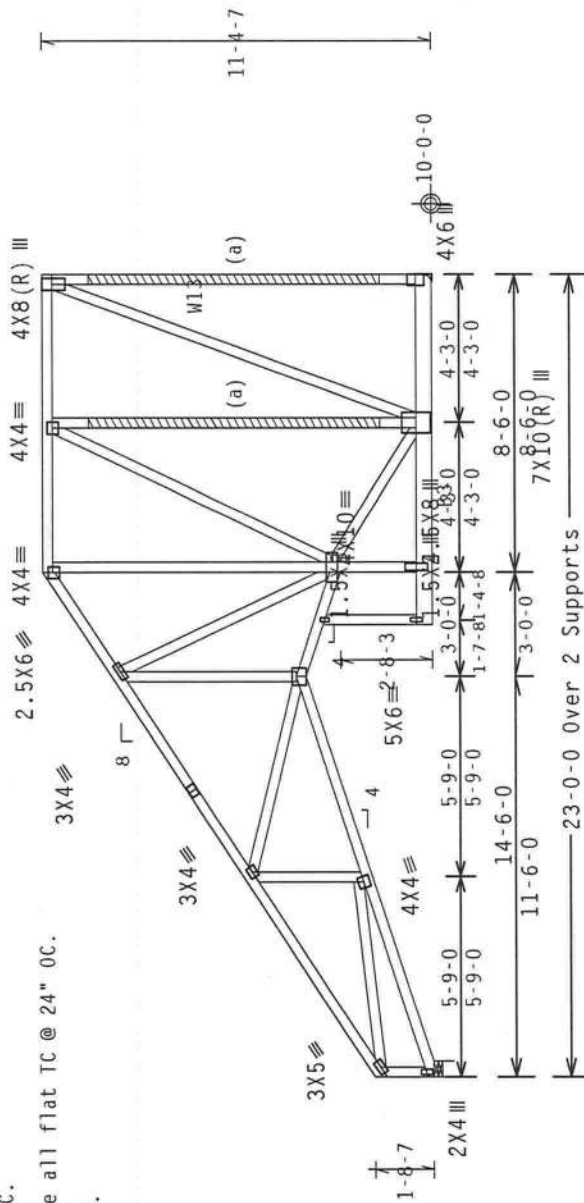
Species	(Lumber	Dur. Fac. = 1.25 / Plate Dur. Fac. = 1.25)
TC- From	64 plf at 0.00 to	64 plf at 14.50
TC- From	32 plf at 14.50 to	32 plf at 23.00
BC- From	21 plf at 0.00 to	21 plf at 11.50
BC- From	21 plf at 11.50 to	21 plf at 14.50
BC- From	10 plf at 14.50 to	10 plf at 23.00
BC- 1428.63	lb Conc. Load at 14.40	
BC- 1642.93	lb Conc. Load at 16.40	18.40, 20.40, 22.40

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

(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.

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-2475 U=184 W=5.5"

R=7116 U=512

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

PIT 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.

Process require extreme care in fabricating, handling, shipping, installing and bracing. Please follow the latest edition of BGSI (Building Component Safety Information) by American Institute of Steel Construction, Inc. for complete information on design, fabrication, bracing and erection. Components and other members shall have properly attached structural sheathing and bottom flanges. Members shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BGSI sections B3, B7 or B10, as applicable.

[illegible]

Haines City, FL 33844
FL COA #0278

JREF- 1UHF487_Z03

(11-209--Fill in later BOB JORDAN -- , ** -- H7G)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3 2x4 SP M-30:
Webs 2x4 SP #3 :W2, W8 2x4 SP #2 Dense:

Left and right cantilevers are exposed to wind

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

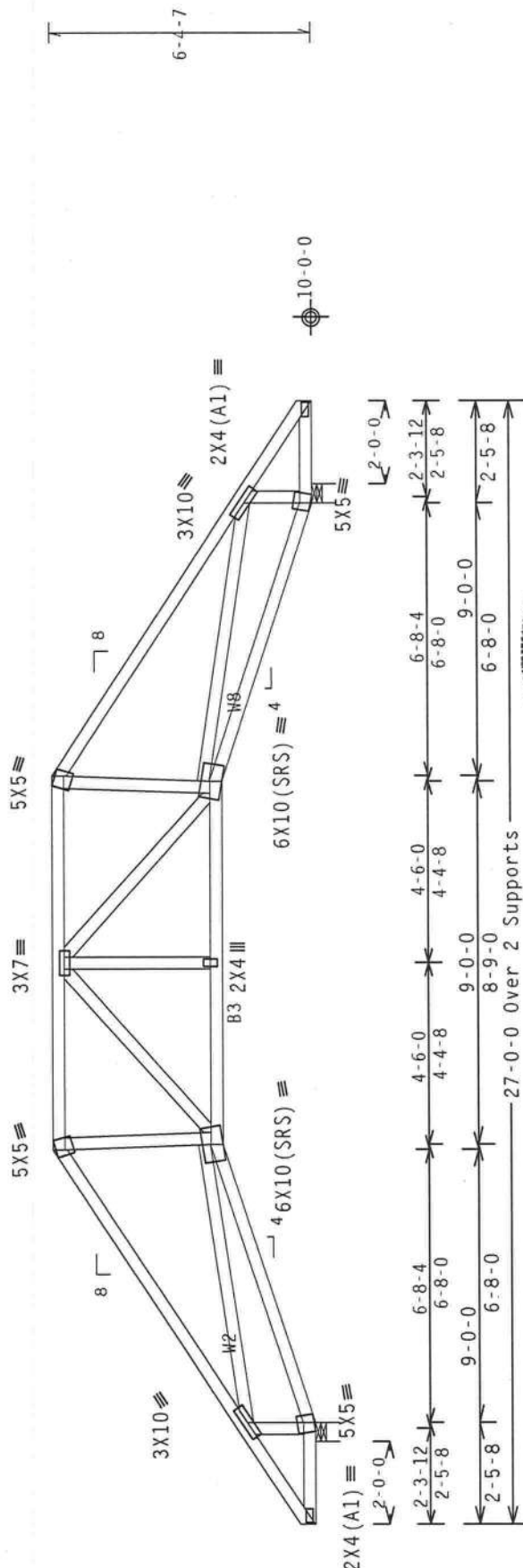
Left side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. End jacks have 9-0-0 setback with 0-0-0 cant and 0-0-0 overhang. Right side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang.

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

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



R=2518 U=197 W=5.5"

PLT TYP. Wave

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

10.03 04.0601 16
No. 22839

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

Scale =.25"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		No. Z2839		11/28/2011	
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For safety and security of the structure, the installer must follow the instructions and practices prior to performing these functions. The installer shall provide temporary bracing 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 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 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 details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal 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: the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com;					
	TC LL	20.0 PSF	REF	R487 --	61438	
	TC DL	10.0 PSF	DATE	11/28/11		
	BC DL	10.0 PSF	DRW	HCUSR487	11332023	
BC LL	0.0 PSF	HC-ENG	DF/DF			
TOT.LD.	40.0 PSF	SEQN-	246879			
DUR.FAC.	1.25					
SPACING	24.0"	JREF-	1UHF487_Z03			

(11-209--Fill in later BOB JORDAN --, ** - HSIIG)

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

Left end vertical not exposed to wind pressure.

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

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

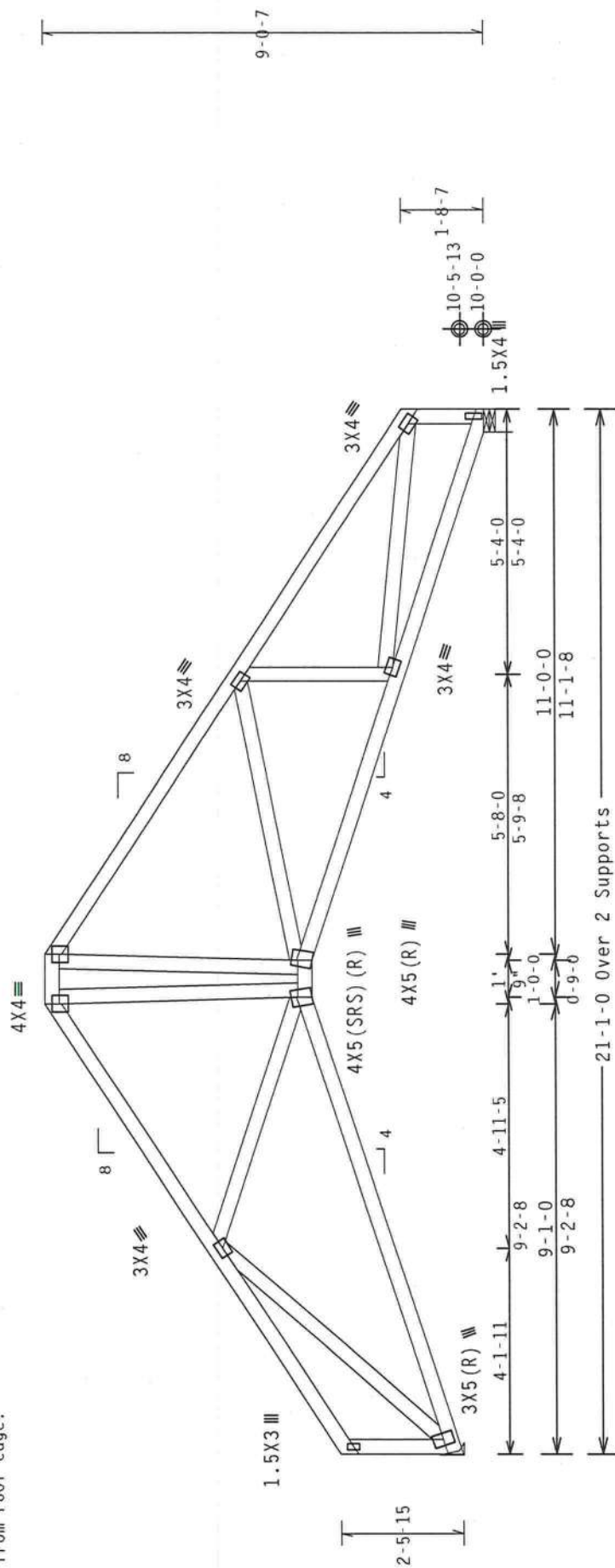
MWFRS loads based on trusses located at least 15.37 ft. from roof edge.

110 mph wind, 15.37 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.

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

Shim all supports to solid bearing.



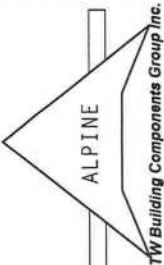
R-897 U=0
RL=147/-158

R-897 U=0 W=5.5"

PLT TYP. Wave

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

Scale = .3125"/Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		Scale = .3125"/Ft.	
	R-897 U=0 RL=147/-158		R-897 U=0 W=5.5"		10-03-04-0601-16 No. 22839	
	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		10-03-04-0601-16 No. 22839	
	R-897 U=0 RL=147/-158		R-897 U=0 W=5.5"		10-03-04-0601-16 No. 22839	
	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		10-03-04-0601-16 No. 22839	
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. All drawings are to be installed in accordance with the design and bracing details and BCSI Building Component Safety Information. BCSI and NICA practices prior to performing these functions. Installers shall provide temporary bracing 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 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 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 job details, unless noted otherwise. Refer to drawings 100A-2 For standard plate positions. A seal on drawings or cover plate listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes; LIN-BGG: www.linbogg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org						
No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/28/2011						
TC LL 20.0 PSF			REF R487 - - 61439			
TC DL 10.0 PSF			DATE 11/28/11			
BC DL 10.0 PSF			DRW HCUSR487 11332084			
BC LL 0.0 PSF			HC-ENG DF/DF			
TOT.LD. 40.0 PSF			SEQN- 245441			
DUR.FAC. 1.25						
SPACING 24.0"			JREF - 1UHF487_Z03			

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

110 mph wind, 15.54 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. $I_w=1.00$ GCPI (+/-)=0.18

Left end vertical not exposed to wind pressure.

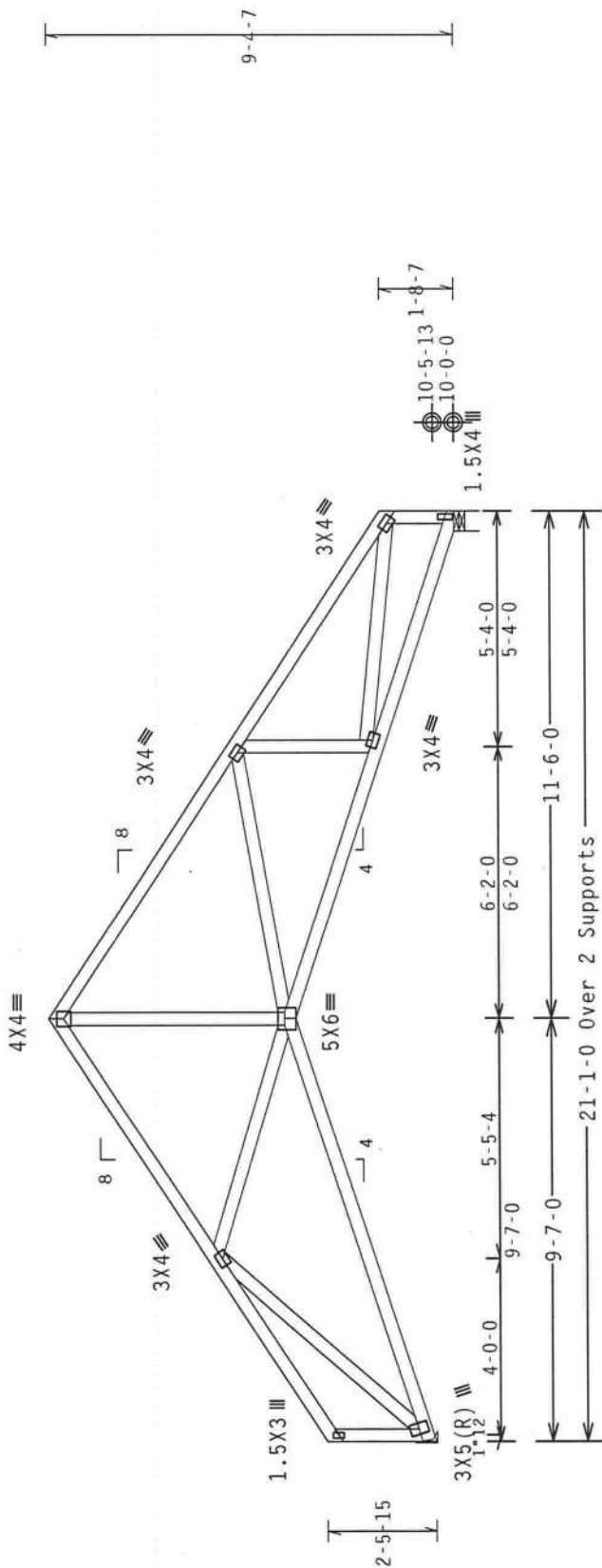
Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.

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

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

MWFRS loads based on trusses located at least 15.54 ft. from roof edge.



R=897 U=0
RL=155/-166

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

PLT TYP. Wave

FL/-/4/-/-/R/-
Scale = .25"/Ft.

	TC LL	20.0 PSF	REF R487--	61440
	TC DL	10.0 PSF	DATE	11/28/11
	BC DL	10.0 PSF	DRW HCUSR487	1132013
	BC LL	0.0 PSF	HC-ENG DF/DF	
	TOT.LD.	40.0 PSF	SEQN-	245449
DUR.FAC.	1.25	JREF-	1UHF487_Z03	
SPACING	24.0"			

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Components Safety Information, by IPT and WICA) for safety practices prior to performing these functions. Installers shall provide adequate shoring and bracing unless noted otherwise. Trusses are designed for standard sheathing and blocking. Trusses shall be properly attached per rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or E10, as applicable.
ITW Building Components Group Inc. (IWBGCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation 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 I60A-2 for standard plate positions. A seal on this 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 on this job's general specifications visit: www.itwibcg.com; www.iptusa.org; NTEA; www.structurecorp.com; www.bcsisa.com

ALPINE

itw Building Components Group inc.
Haines City, FL 33844
Tel: 888.400.9729

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

111110 mph wind, 16.18 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

End verticals not exposed to wind pressure.

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

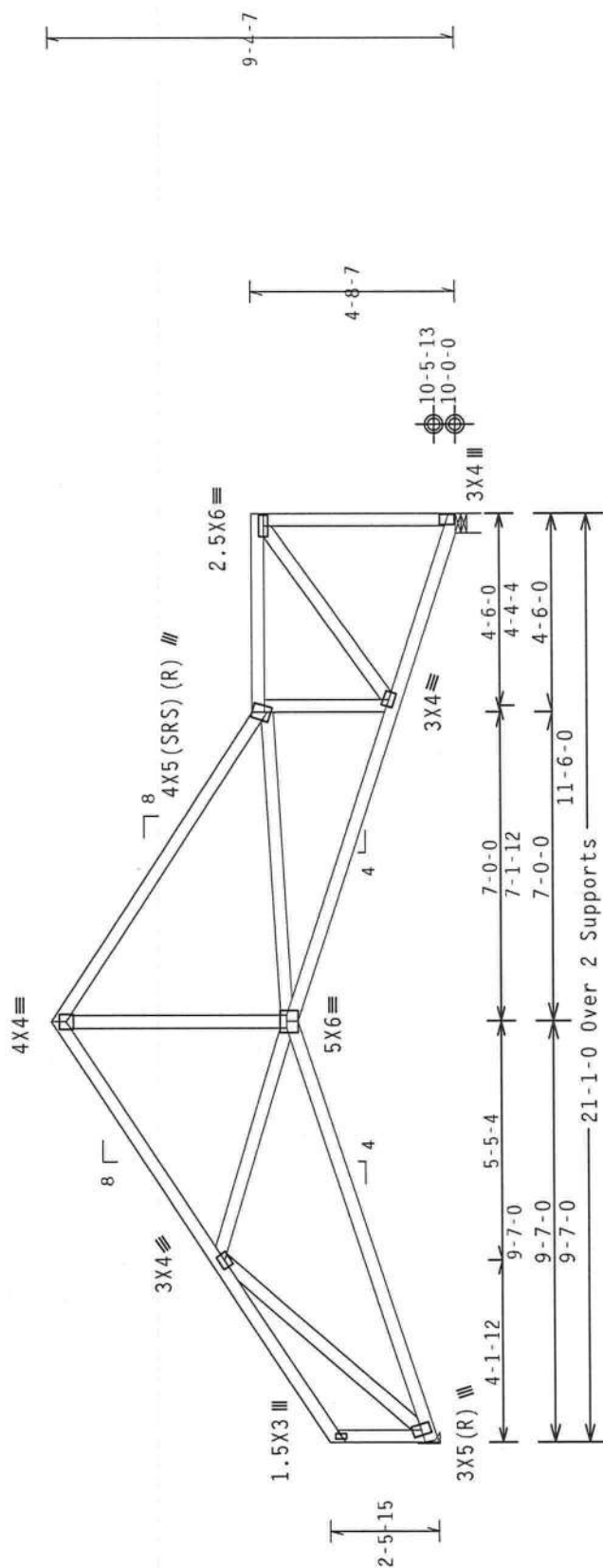
Deflection meets L/240 live and L/180 total load.

WFRS loads based on trusses located at least 16.18 ft. from roof edge.

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

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

Shim all supports to solid bearing.



R=897 U=0
RL-135/-12

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

PLT TYP. Wave

Scale = .25"/Ft.

PLI ITP. WAVE

ALPINE

nTW Building Components Group Inc.
Haines City, FL 33844

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and not a shingle. A properly attached right side ceiling. Occasional horizontal lateral resistance shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.

nTW Building Components Group Inc. (nTWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with the design and specifications. Refer to drawings 160A-2 for details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal over 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/IPI 1 Sec.2. For more information see: the notes page: ITP-Bldg-cg; www.itp-bldg-cg.com; IPI: www.itpinc.org; WICA: www.spcindustry.com;

11/28/2011

11/28/2011

(11-209--Fill in later BOB JORDAN -- , ** - GS3)

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

1110 mph wind, 16.18 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

End verticals not exposed to wind pressure.

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

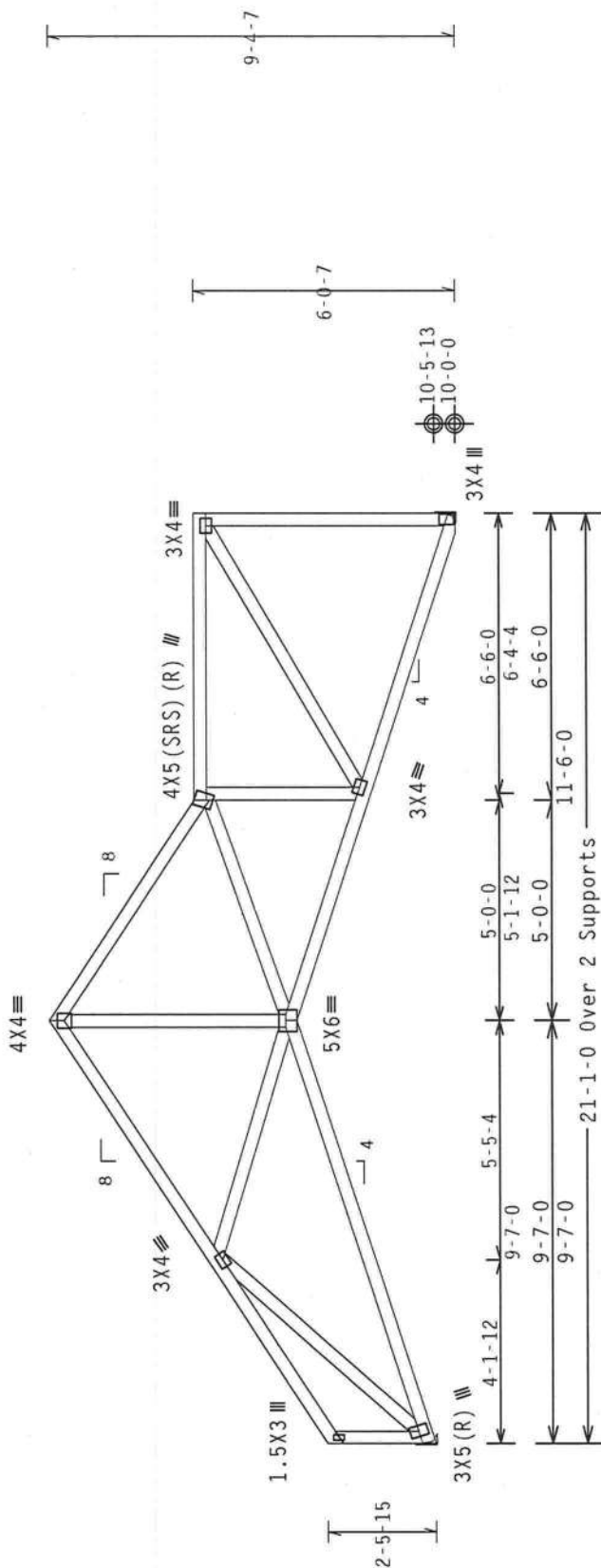
Deflection meets L/240 live and L/180 total load.

WFRS loads based on trusses located at least 8.09 ft. from roof edge.

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

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

Shim all supports to solid bearing.



R=897 U=53
RL=126/-99

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

PLT TYP. Wave

10.03.2006 22:28:39

Scale = .25"/Ft.

TC LL	20.0 PSF	REF R487 - 61442
TC DL	10.0 PSF	DATE 11/28/11
BC DL	10.0 PSF	DRW HCUR487 11332073
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 245467
DUR.FAC.	1.25	
SPACING	24.0"	REF- 1UHF487_Z03



11/28/2011

of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's
 ITH-BCG: www.ithbcg.com; TPI: www.tpinet.org; NITCA: www.sbcindustry.com

Haines City, FL 33844
FL COA #0 278

(11-209--Fill in later BOB JORDAN -- , ** - CJI)

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

Left and right cantilevers are exposed to wind

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

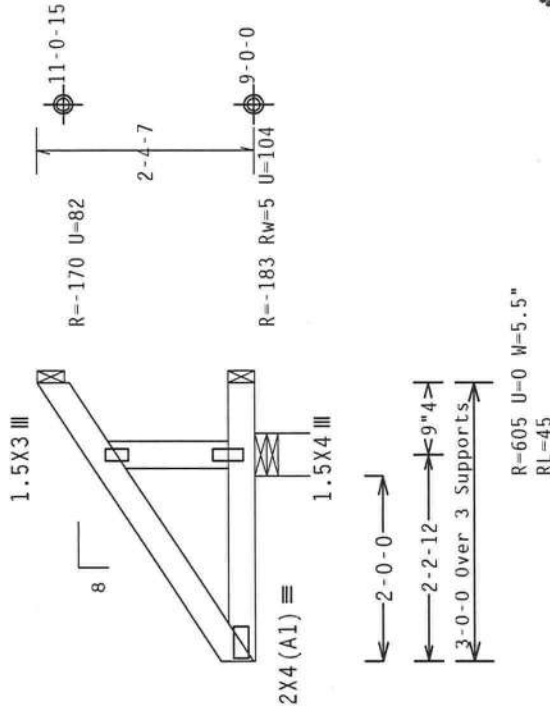
Deflection meets L/240 live and L/180 total load.

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

Negative reaction(s) of -183# MAX. (See below) from a non-wind load case requires uplift connection.

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. Iw=1.00 GCpl(+/-)=0.18

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



PLT TYP. Wave

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

10.03. No. 22839

FL/-/4/-/-/R/- Scale =.5"/Ft.

TC LL	20.0 PSF	REF R487--	61443
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332003
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245791
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UHF487_Z03

WALTER P. FINN
LICENSE
11/28/2011
STATE OF FLORIDA
PROFESSIONAL ENGINEER

READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL COMPANIES 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 NICA) for details and practices prior to performing these actions. Properly attached structural sheathing and bottom chord bracing are required for the truss to perform as designed. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from the design 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 individual designer. IPI: www.ipiinst.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org

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

(11-209--Fill in later BOB JORDAN -- . ** - CJ3)

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

Left and right cantilevers are exposed to wind

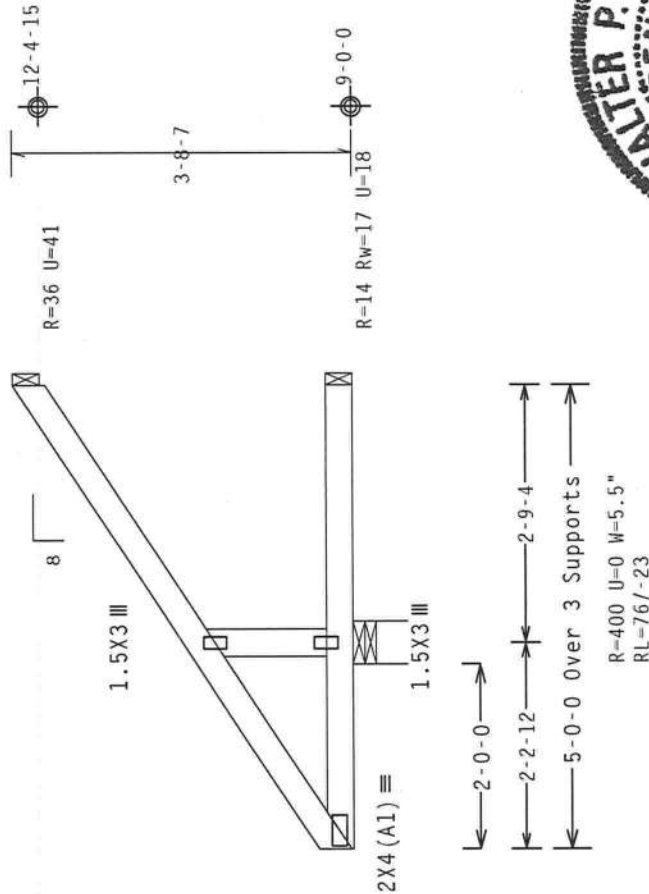
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. lw=1.00 GCpl(+/-)-0.18

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

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



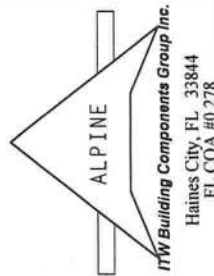
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

WARNING HEAD 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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 restraining 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 any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the detail. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. ITWBCG shall not be responsible 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.itwbcg.com; TPI: www.tpinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org



FL/-/4/-/-/R/-	Scale = 5" / Ft.
TC LL 20.0 PSF	REF R487-- 61444
TC DL 10.0 PSF	DATE 11/28/11
BC DL 10.0 PSF	DRW HCUSR487 11332011
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 245794
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UHF487_Z03

(11-209--Fill in later BOB JORDAN -- , ** - CJ5)

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

Left and right cantilevers are exposed to wind

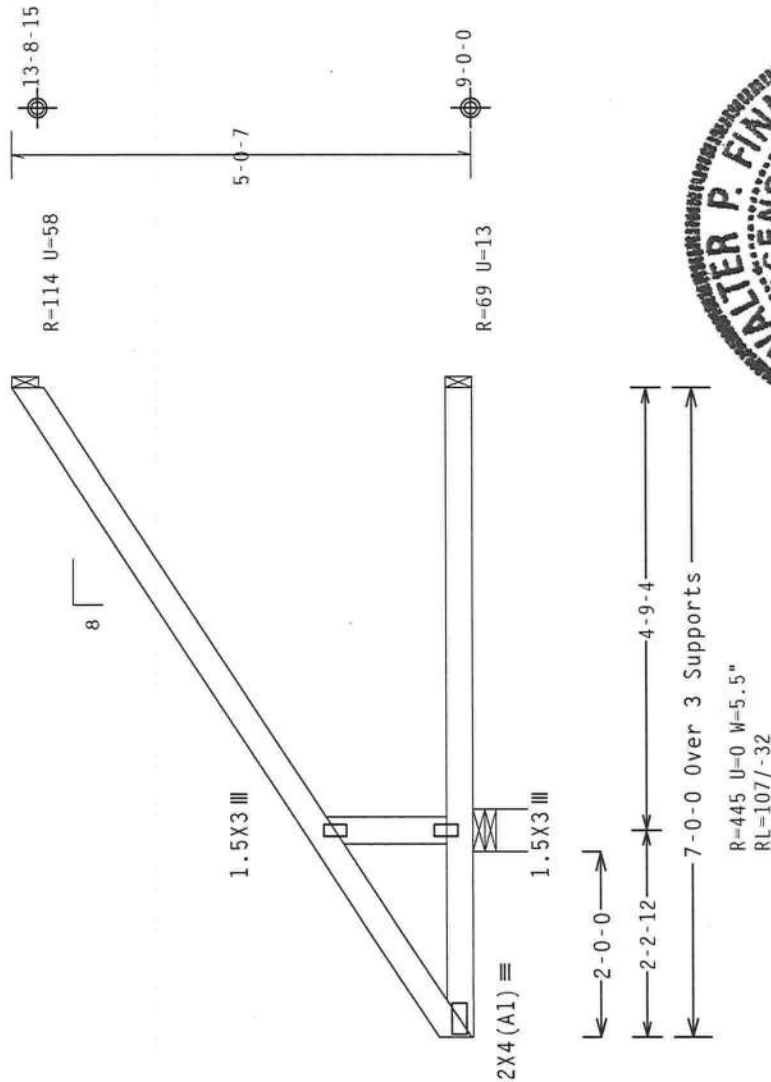
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. Iw=1.00 GCp1(+/-)=0.18

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

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



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

PLT TYP. Wave

10/03/2011 10:03 AM 2839

FL/-/4/-/-/R/- Scale =.5"/Ft.

TC LL	20.0 PSF	REF R487--	61445
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW HCUSR487	11332032
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN	245190
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UHF487_Z03

11/28/2011

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



PLT TYP. Wave

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. $I_w=1.00$ GCpf (+/-)=0.18

Left and right cantilevers are exposed to wind

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

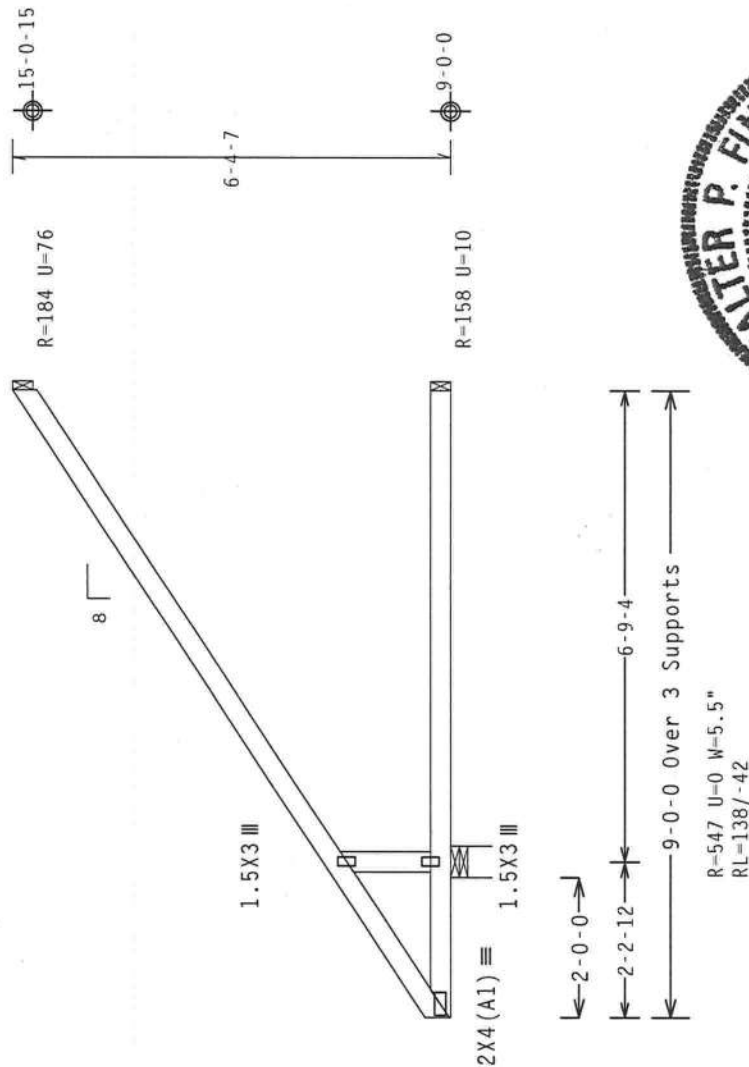
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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

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

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

Scale = .375"/Ft.

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

RFF R487-- 61446

TC LL	20.0 P
-------	--------

No. 22839

NOTES ON THIS SHEET:
S INCLUDING INSTALLED

****WARNING** READ AND FOLLOW INSTRUCTIONS THIS DESIGN TO AVOID CONSTRUCTION**

STIMULANT

[illegible]

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

[illegible]

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12586
DAVID A. SMITH

TC	DL	10.0	PSF	DATE	11/28/11
BC	DL	10.0	PSF	DRW	HCUSR487 11332016
BC	LL	0.0	PSF	HC-ENG	DF/DF
TOT.	LD.	40.0	PSF	SEQN-	245195
DUR.	FAC.	1.25			
SPACING	24.0"			JREF-	1UHF487 Z03

(11-209--Fill in later BOB JORDAN -- , ** - HJ7)

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

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs.

Hipjack supports 9-0-0 setback jacks with 2-0-0 cantilever one face; 2-0-0 cantilever opposite face.

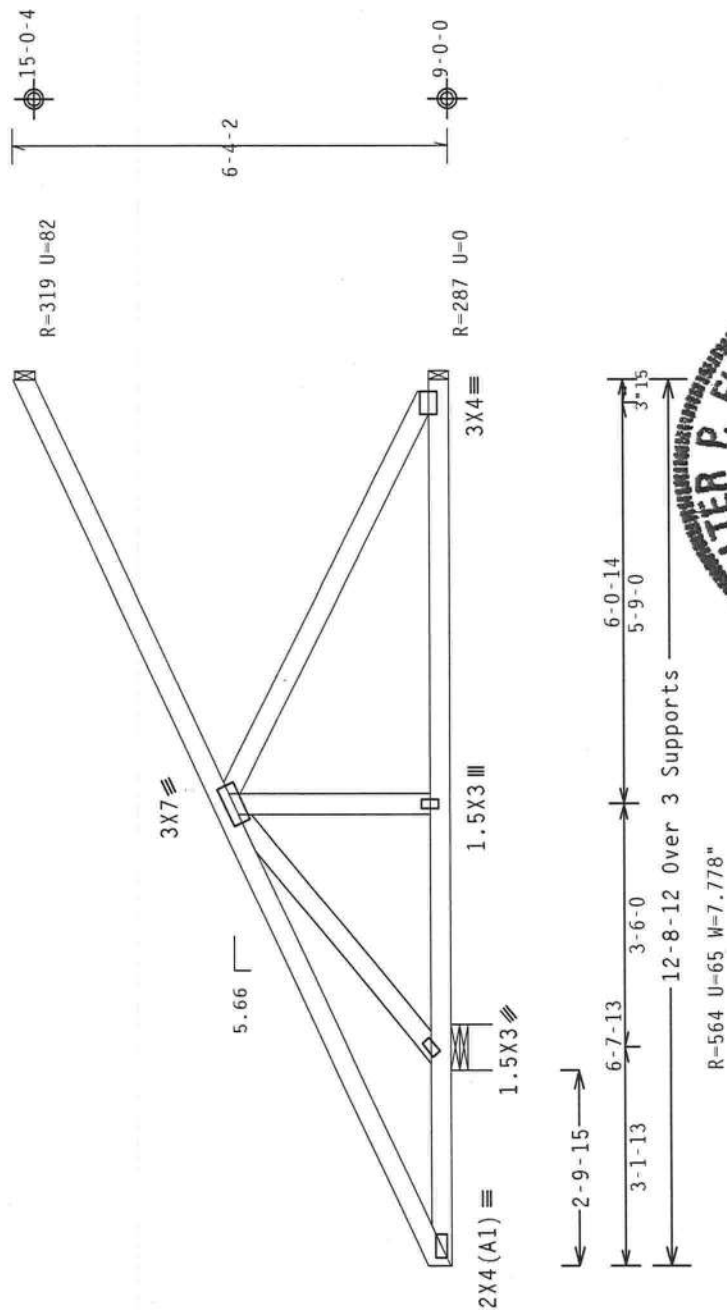
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18

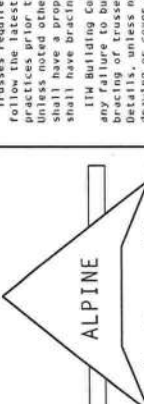
Wind loads and reactions based on MMFRS with additional C&C member design.

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side, 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

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

Provide (3) 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: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		10.03.04.0503 No. 2236		QTY:2		FL/-/4/-/-/R/-		Scale =.375"/Ft.	
 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278		**IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS NOTING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety Information, by TPI and NITCA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have bracing installed per BCSP sections 83, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for 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 following drawing or cover page of this drawing. Refer to drawings 1608-2 for standard plate positions. A seal on details, unless noted otherwise. The sealability 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.itwbcg.com; TPI: www.tpinet.org; NITCA: www.sbcindustry.com; ICC: www.iccsafe.org		TC LL		20.0 PSF		REF		R487 - - 61447	
				TC DL		10.0 PSF		DATE		11/28/11	
				BC DL		10.0 PSF		DRW		HCUSR487 11332017	
				BC LL		0.0 PSF		HC-ENG		DF/DF	
				TOT.L.D.		40.0 PSF		SEQN-		245214	
		DUR.FAC.		1.25							
		SPACING		24.0"		JREF-		1UHF487_Z03			
				11/28/2011							

(11-209--Fill in later BOB JORDAN -- , ** - J2)

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

Left and right cantilevers are exposed to wind

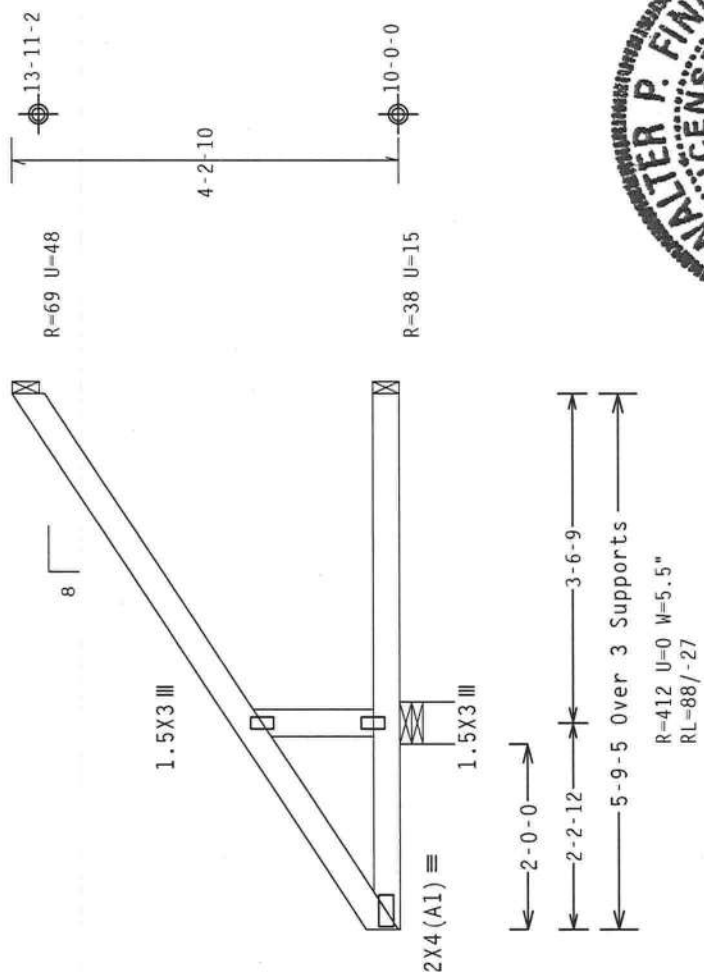
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. 1w=1.00 GCpl(+/-)=0.18

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

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



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

PLT TYP. Wave

10/03. No. 22839

FL/-/4/-/-/R/-
Scale = .5" / Ft.

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



****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. Rely on the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details on proper bracing, handling, shipping, installing and bracing. Trusses shall be braced in accordance with the details shown on this drawing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
TPI Building Components Group Inc. (TPI/BCG) shall not be responsible for any deviation from this design. Any failure to build the truss in accordance 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 this 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.
TPI/BCG: www.tpiinc.com; TPI: www.tpinet.org; WCA: www.theindustry.com; ICC: www.iccsafe.org

ALPINE

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

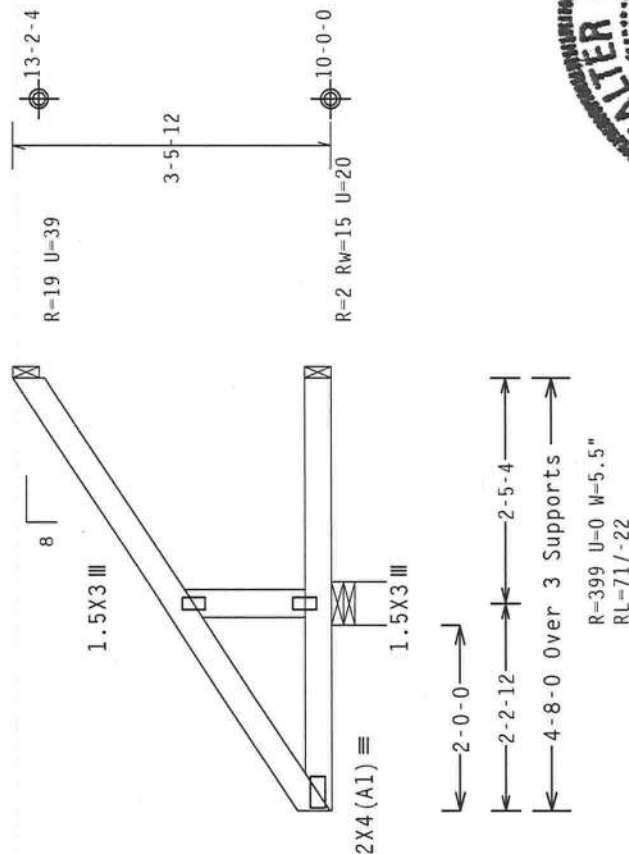
	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP	#2	Dense
		webs	2x4	SP	#3	

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

Left and right cantilevers are exposed to wind

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

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

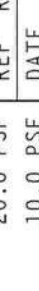


PLT TYP. Wave

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

Scale = .5"/Ft.

ALPINE



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

****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. Follow the latest edition of BCSI (Building Components Safety Institute) Manual for proper temporary bracing. If the design is to be used for a permanent lateral restraint, the design shall be in accordance with the BCSI Manual for Permanent Lateral Restraints. 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 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/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 Job Details, unless noted otherwise. Refer to drawings 160A-2 For standard plate positions. A seal on 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 design engineer. (ITW-BCG) 11/28/2011
ITW-BCG: 11N-BCG; www.itwbcg.com; IPI: www.ipi1st.org; VICA: www.vicaindustry.com; ICC: www.iccsafe.org

(11-209--Fill in later BOB JORDAN --, ** - J5)

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

Left and right cantilevers are exposed to wind

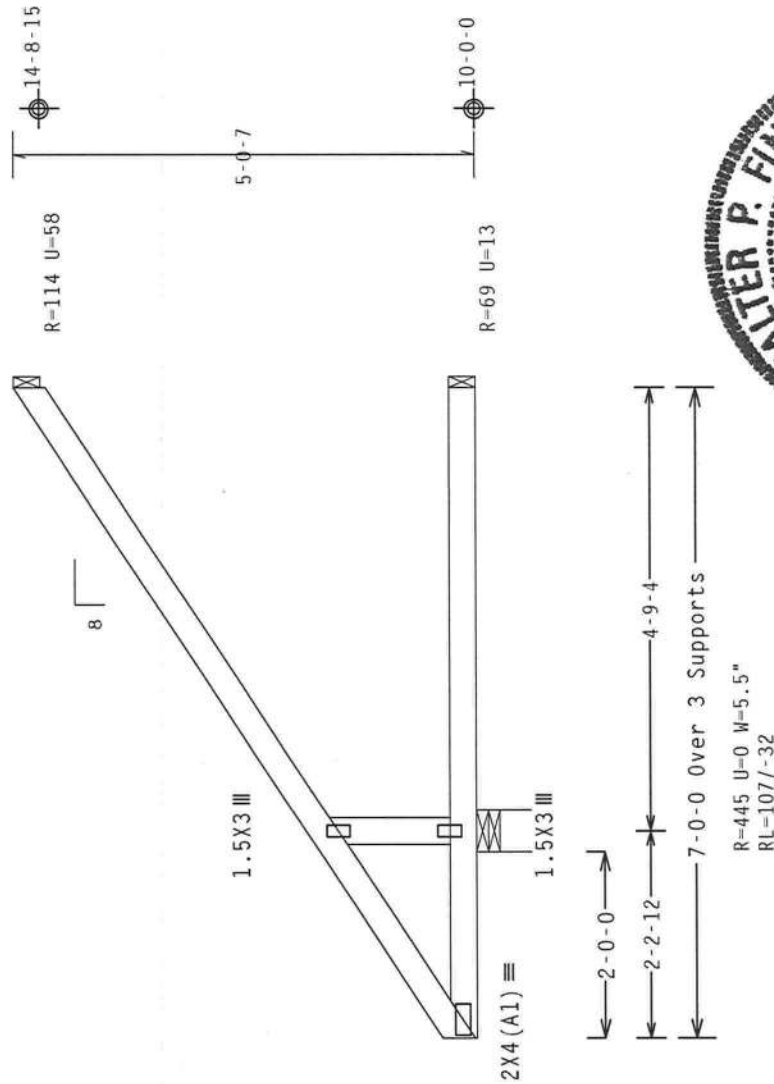
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. 1w=1.00 GCpl(+/-)=0.18

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

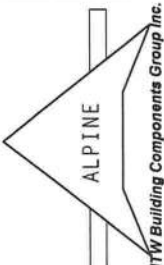
Deflection meets L/240 live and L/180 total load.



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

PLT TYP. Wave

Scale = .5" / Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	10-03-04-0601-16 No. 22839			QT 3	FL / - / 4 / - / - / R / -	REF R487 - - 61451
	DATE 11/28/11			TC LL	20.0 PSF	DRW HCUSR487 11332106
	DATE 11/28/11			TC DL	10.0 PSF	HC-ENG DF/DF
	DATE 11/28/11			BC DL	10.0 PSF	SEQN - 245309
	DATE 11/28/11			BC LL	0.0 PSF	JREF - 1UHF487_Z03
	DATE 11/28/11			TOT.LD.	40.0 PSF	
DUR.FAC. 1.25					SPACING 24.0"	

WALTER P. FINN
LICENSE
No. 22839
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
11/28/2011

IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. The latest edition of BCSI Building Component Safety Information, by TPI and NICA, shall be used by all contractors. Installers shall provide temporary bracing practices prior to performing these functions. Unless noted otherwise, top chord shall have properly attached structural sheathing and both chords shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from 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 Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page is required for the installation and use of this design for any structure. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: IITW-BCG: www.iitwbcg.com; TPI: www.tpinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-209--Fill in later BOB JORDAN --, ** - J4)

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 63 plf at 0.00 to 63 plf at 7.58
BC- From 20 plf at 0.00 to 20 plf at 7.58
TC- 19.14 lb Conc. Load at 5.10
BC- 14.00 lb Conc. Load at 5.04

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

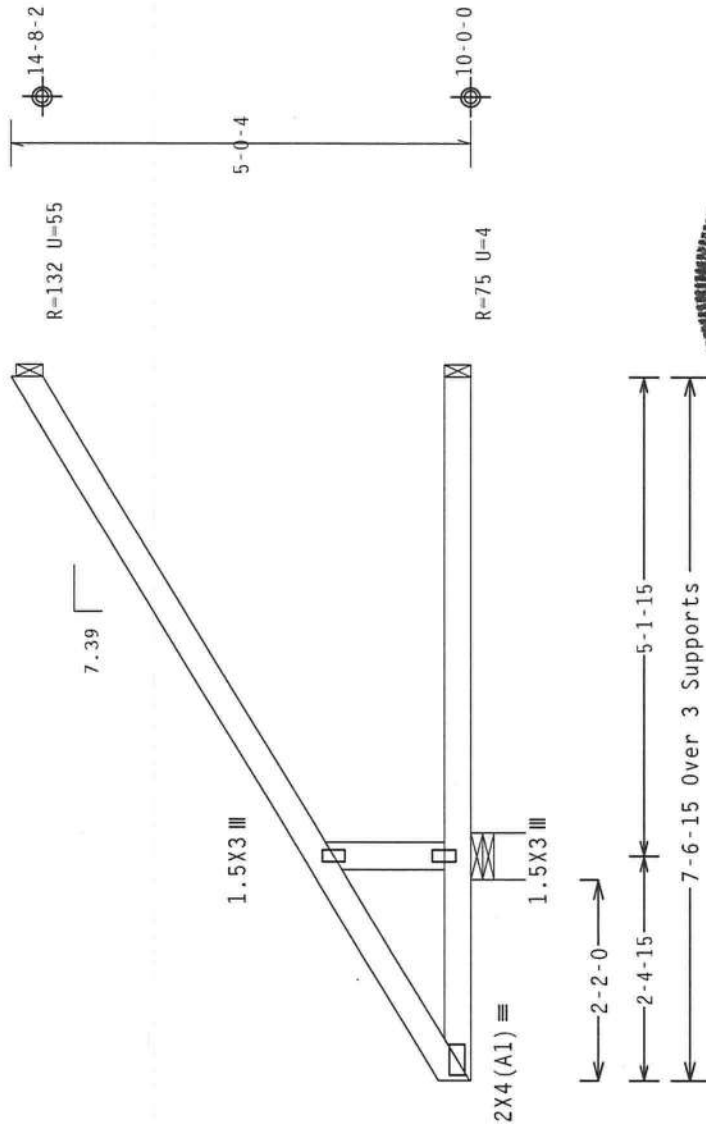
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf(+/-)=0.18

Left and right cantilevers are exposed to wind

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

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

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



PLT TYP. Wave

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

Scale =.5" /Ft.

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

QTY2

10.03 No. 22836

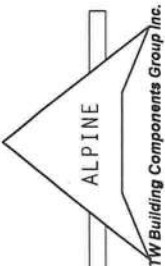
11/28/2011

10.03 No. 22836

11/28/2011

11/28/2011

11/28/2011

 ALPINE 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. For the safety of the building and the safety of the installer, the following instructions must be followed prior to performing these functions. Installer shall provide temporary bracing prior to erecting the truss. The truss shall be braced in all directions. The truss shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSC sections 83, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. 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 of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NIDA: www.shedindustry.com; ICC: www.iccsafe.org		REF	R487--	61452
	DATE		11/28/11	DATE	11/28/11
	DRW		HCUSR487	DRW	HCUSR487 11332101
	HC-ENG		DF/DF	HC-ENG	DF/DF
	SEQN-		245319	SEQN-	245319
	JREF-		1UHF487_Z03	JREF-	1UHF487_Z03

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

Left and right cantilevers are exposed to wind

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

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

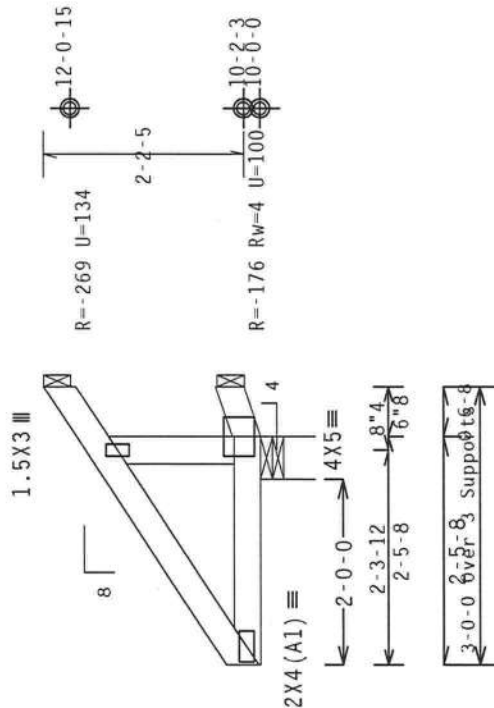
Shim all supports to solid bearing.

Negative reaction(s) of -269# MAX. (See below) from a non-wind load case requires uplift connection.

1110 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, Iw=1.00 GCpi (+/-)=0.18

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

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.



R=698 U=0 W=5.5"
RL=46

PLT TYP. Wave

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487-- 61453
TC DL	10.0	PSF	DATE 11/28/11
BC DL	10.0	PSF	DRW HCUR487 11332026
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 245332
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UHF487_Z03

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

crusies require extreme care in fabricating, handling, shipping, installing and bracing. To follow the latest edition of BCSP (Building Component Safety Institute, by IPI and NRC) practices prior to performing these functions. Install and brace the structural steel and bottom chord of the truss in accordance with the manufacturer's instructions. The truss manufacturer shall have a properly attached rigid steel ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (IIBCO) shall not be responsible for any decision from the building official or other authority regarding the use of this drawing. The user assumes all liability for tracing 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-Z for standard plate positions. A seal on the framing 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/AISC 1 Sec.2, or more information see: www.iibco.com; IIBCO: www.iibco.com; IPI: www.iipi.net; MTCA: www.mctaindust.com.



11/28/2011

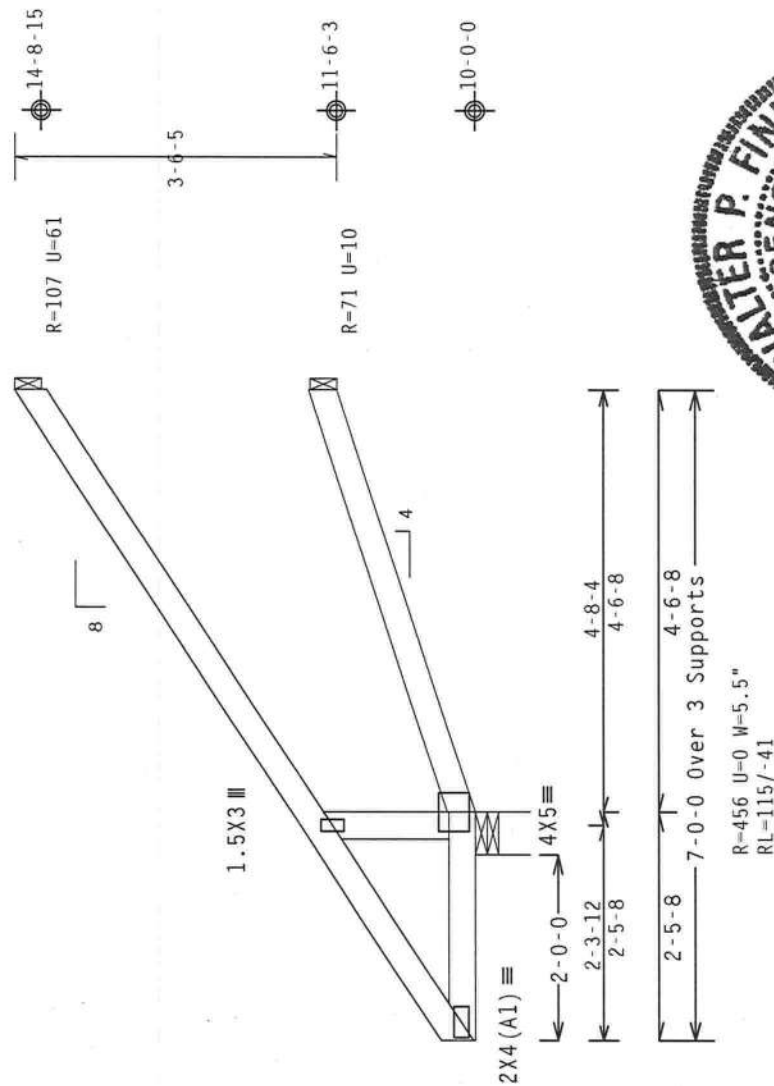
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. $I_w=1.00$ GCPI (+/-)=0.18

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

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

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

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

PLT TYP. Wave

10:03 AM 06/28/99 QTY:

FL/-/4/-/-/R/-
Scale = .5"/Ft.

[illegible]

(11-209--Fill in later BOB JORDAN -- , ** - JV35)

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

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

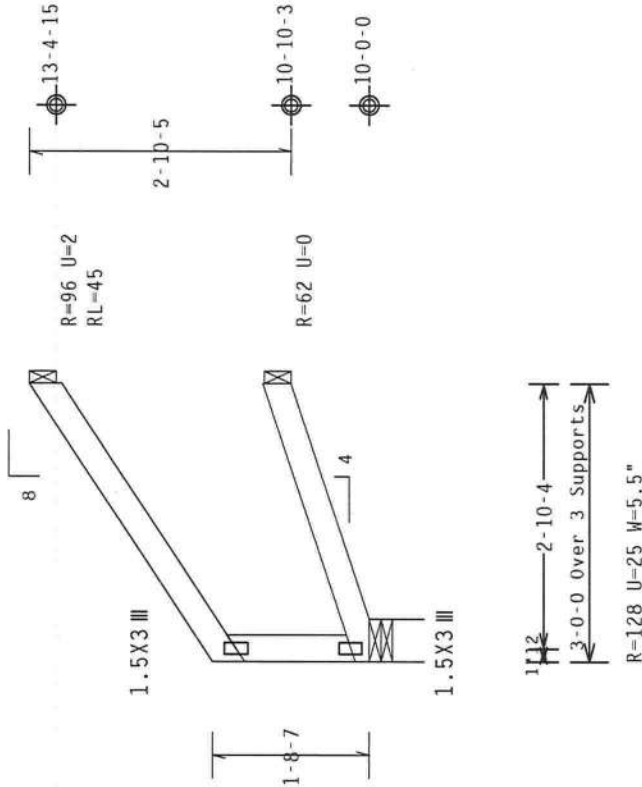
Deflection meets L/240 live and L/180 total load.

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

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. 1w=1.00 GCPI(+/-)=0.18

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

Shim all supports to solid bearing.



PLT TYP. Wave

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

Scale =.5" /Ft.

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

QTY2

10-03-10-05-2836

11/28/2011

11/28/2011

11/28/2011

 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.		NO. 22639		11/28/2011	
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and nailing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		STATE OF FLORIDA		PROFESSIONAL ENGINEER	
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on 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.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.icc-safe.org		11/28/2011			
	TC LL	20.0 PSF	REF	R487--	61456	
	TC DL	10.0 PSF	DATE	11/28/11		
	BC DL	10.0 PSF	DRW	HCUSR487	11332029	
BC LL	0.0 PSF	HC-ENG	DF/DF	*		
TOT.LD.	40.0 PSF	SEQN-	245343			
DUR.FAC.	1.25					
SPACING	24.0"	JREF-	1UHF487_Z03			

(11-209--Fill in later BOB JORDAN -- , ** - JVS5)

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

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

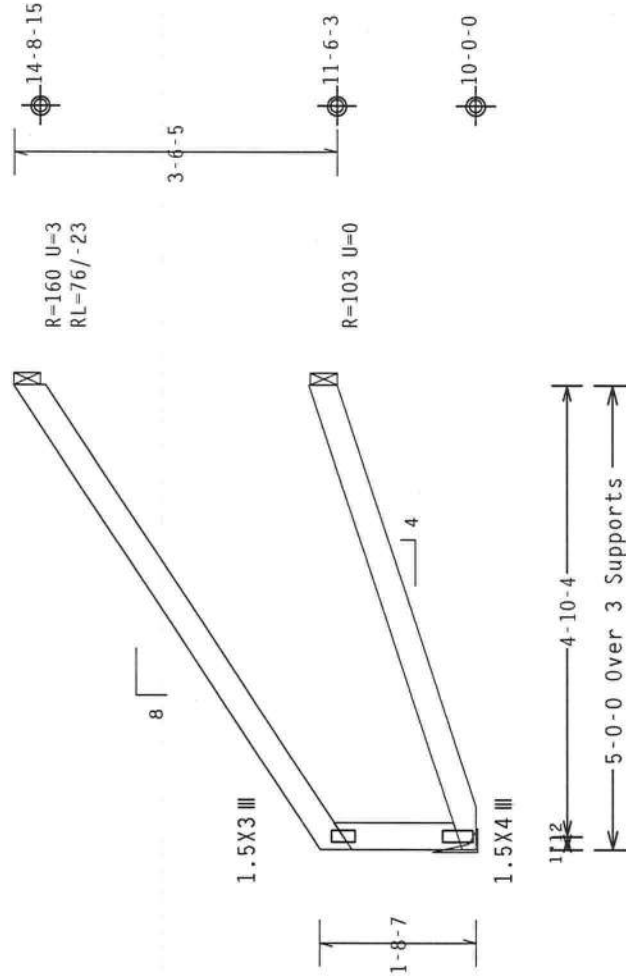
Deflection meets L/240 live and L/180 total load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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, lw=1.00 GCp1(+/-)=0.18

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

Shim all supports to solid bearing.



R=213 U=42

PLT TYP. Wave

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

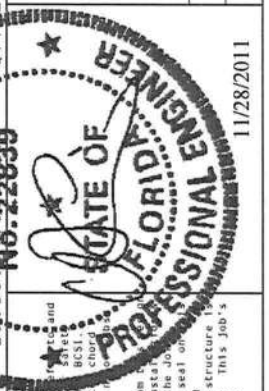
Scale =.5"/Ft.

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

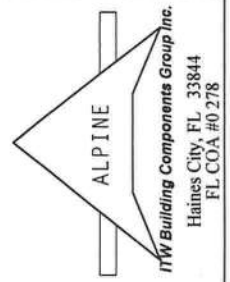
QTY2

10-03-04 060116
W6-22836

TC LL	20.0 PSF	REF	R487-- 61457
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332046
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	245346
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UHF487_Z03



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing 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 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 Job Details, unless noted otherwise. Refer to drawings 1608-2 for standard plate positions. A seal on the bottom chord is required for all trusses. The seal shall be placed on the bottom chord. 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.itwbcg.com; IPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org



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

1110 mph wind, 15.04 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. Iw=1.00 GCpf (+/-)=0.18

Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.29" due to live load and 0.19" due to dead load.

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

Fasten rated sheathing to one face of this frame.

MWFRS loads based on trusses located at least 7.52 ft. from roof edge.

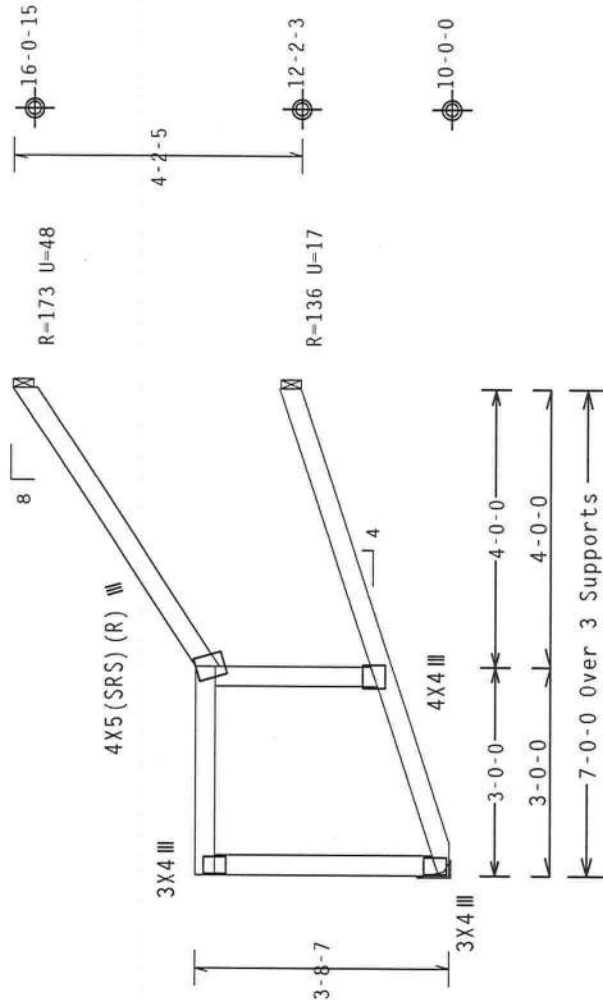
Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

Shim all supports to solid bearing.

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.



R=298 U=0
RL=72/-30

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

PLT TYP. Wave

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

Scale = .375" / 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. The following information, based on the following practices noted for performing these functions, is intended to assist the contractor in the proper installation of the trusses. The contractor shall have a properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810, as applicable lateral restraint.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown on this drawing. ITWBCG shall not be responsible for any failure to build the truss in conformance with ANSI/IPE 1 or for handling, shipping, installing, or erecting 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 plate listing this design. 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/IPE 1 Sec.2. For more information see: The general notes page: ITH-9600; WWW.ITWBCG.COM; IPE: WWW.IPE1.NET; NITCA: WWW.NITCA.ORG

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

11/28/2011

SPACING 24.0"

JREF- 1UHF487 Z03



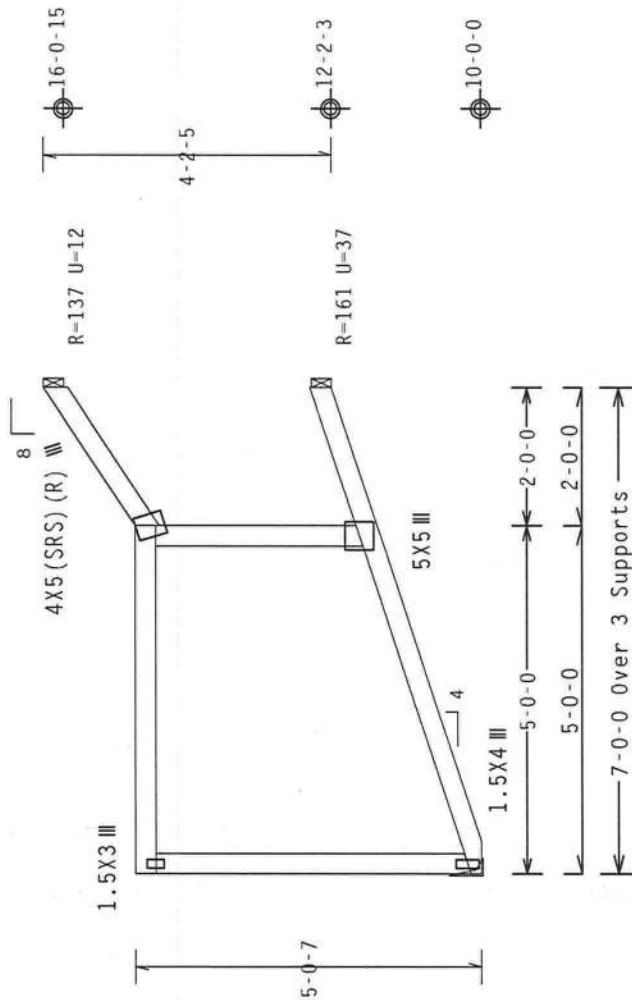
110 mph wind, 15.70 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

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.

MWFRS loads based on trusses located at least 7.85 ft. from roof edge.



R=298 U=20
RL=42/-21

PLT TYP. Wave

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

FL/-/4/-/-/R/-/
Scale = .375"/Ft.

TC LL	20.0	PSF	REF R487-- 61459
TC DL	10.0	PSF	DATE 11/28/11
BC DL	10.0	PSF	DRW HCUR487 11332033
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 245358
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UHF487_Z03



11/28/2011

ALPINE

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

1110 mph wind, 16.05 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. $I_w=1.0$ GCpf (+/-)=0.18

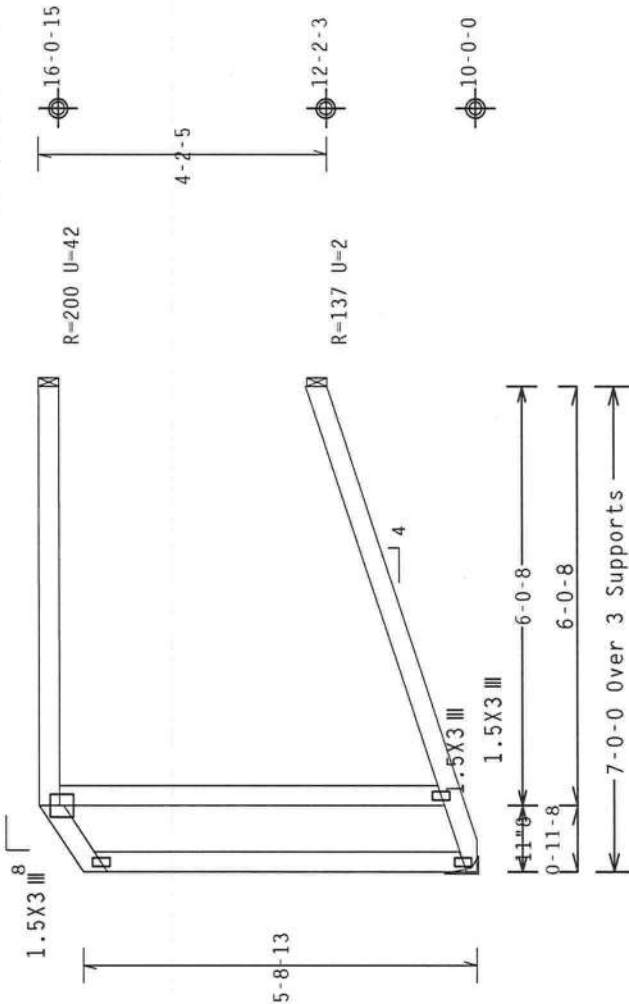
Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

Shim all supports to solid bearing.

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.

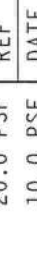


R-298 U=15
RL=26

PLT TYP. Wave

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

Scale = .375" / Ft.



ALPINE

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Practice extreme care in performing these tasks. Trusses are designed to be installed and braced in accordance with the design shown on this drawing. Trusses shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/IPE 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 details, unless noted otherwise. Refer to drawings 160M-2 for standard plate positions. A seal of 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 design engineer. IPEI: www.ipei.net; ITW-BCG: www.itwbcg.com; ICC: www.iccsafe.org

11/28/2011

(11-209--fill in later BOB JORDAN -- , ** - HJ5)

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

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs.

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

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.

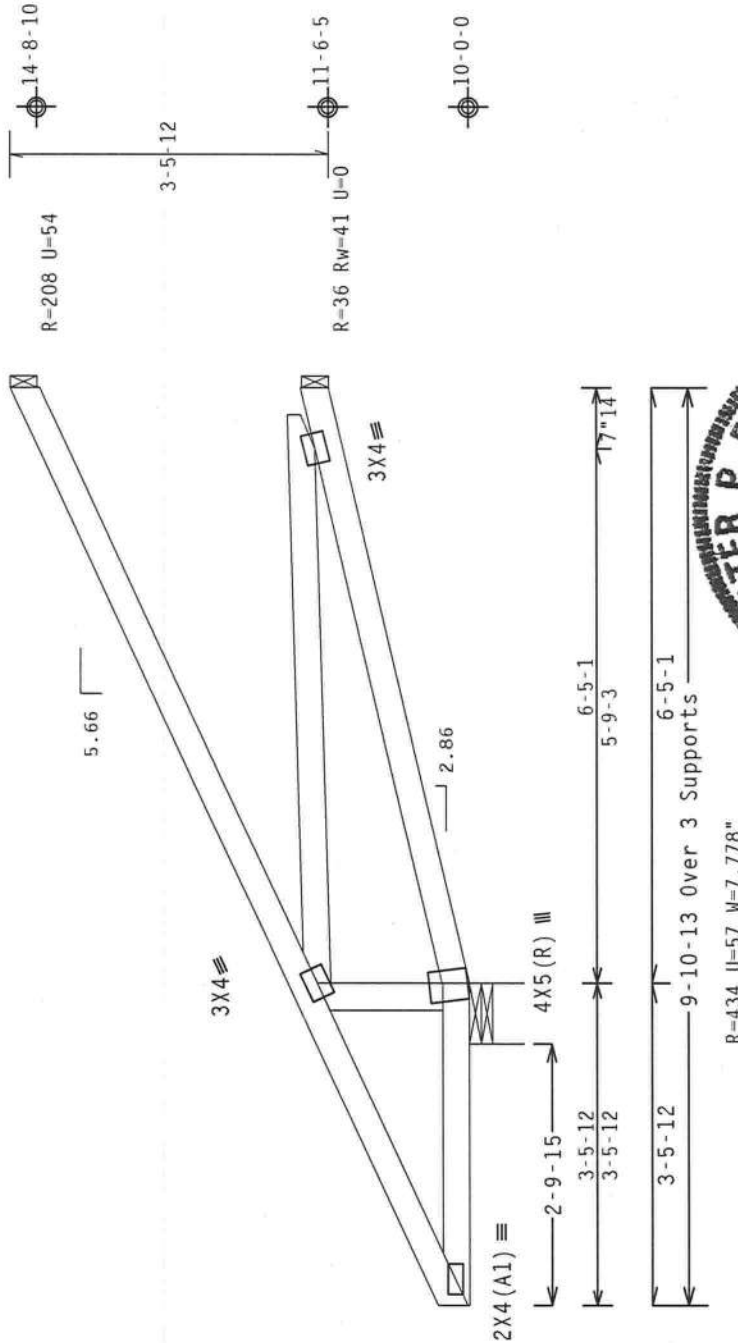
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpl(+/-)-0.18

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

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side. 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

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

Shim all supports to solid bearing.



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

PLT TYP. Wave

10.03.04.050336

Scale = .5" / Ft.

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

QTY2

REF R487 -- 61461

DATE 11/28/11

DRW HCUSR487 11332099

HC-ENG DF/DF

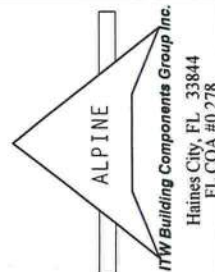
SEQN- 245771

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UHF487_Z03

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing and shoring for all trusses. Trusses shall be installed in accordance with the design and shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from the design or failure to build the truss in accordance 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 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. For more information see: www.bcsiindustry.org IBC: www.bcsiindustry.org



(11-209--Fill in later BOB JORDAN -- , ** - CJST)

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

Left and right cantilevers are exposed to wind

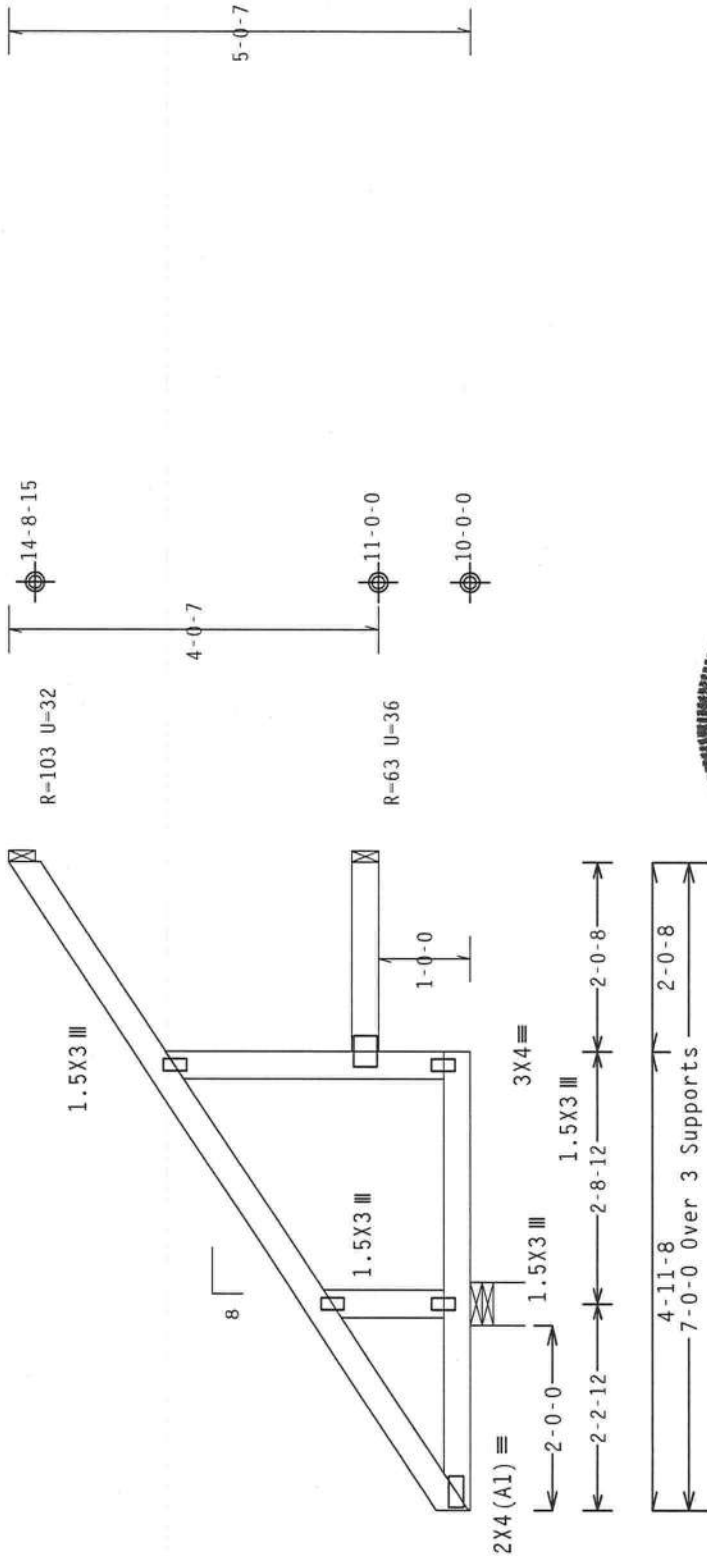
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. $I_w=1.00$ GCPI(+/-)=0.18

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

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



R=432 U=0 W=5.5"
RL=107/-32

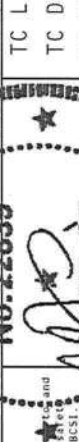
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

Scale = .5" / Ft.

Scale = .5" / Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**IMPORTANT** 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. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) unless noted otherwise. Perform all work in accordance with the latest edition of the IBC. Unless noted otherwise, all materials shall have properly attached structural sheathing and bracing. All bracing 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 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 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: www.itwbcg.com; IPI: www.tpinet.org; WICA: www.iccsafe.org				11/28/2011	
	TC LL	20.0	PSF	REF	R487--	61462
	TC DL	10.0	PSF	DATE	11/28/11	
	BC DL	10.0	PSF	DRW	HCUSR487	11332053
	BC LL	0.0	PSF	HC-ENG	DF/DF	
	TOT.LD.	40.0	PSF	SEQN-	245800	
	DUR.FAC.	1.25				
SPACING	24.0"					
			JREF-	1UHF487_Z03		

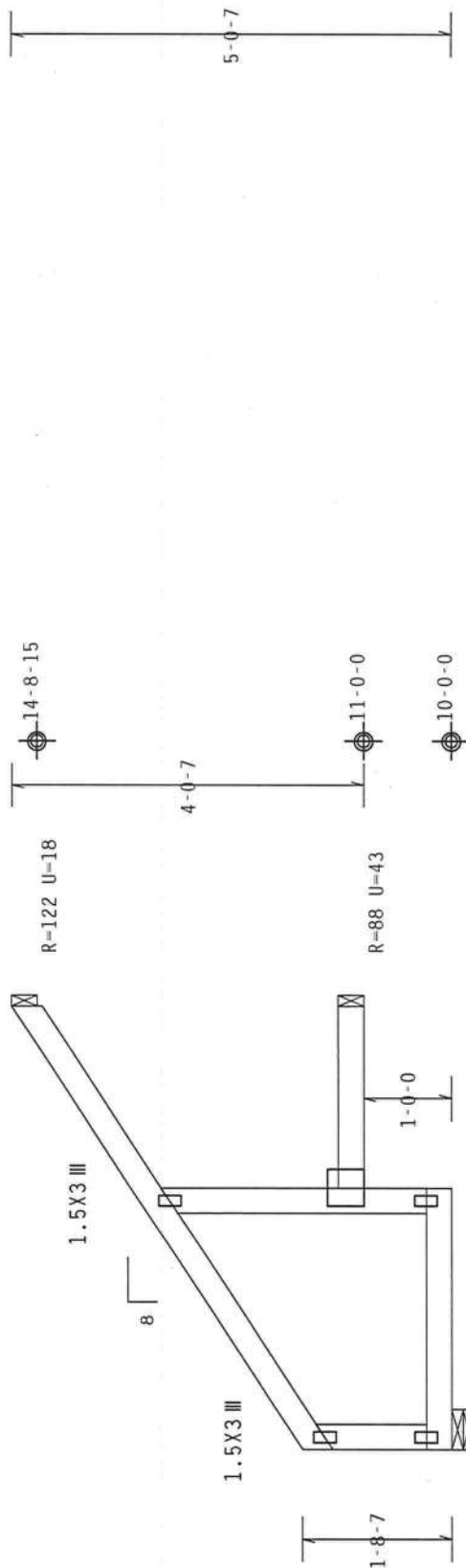


110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpt (+/-)=0.18

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

Fasten rated sheathing to one face of this frame.

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.



2-11-8 2-0-8
5-0-0 Over 3 Supports

R=211 U=0 W=5.5"
RL=76/-23

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

Scale = .5"/Ft.

[illegible]

(11-209--Fill in later BOB JORDAN -- , ** - CJ7ST)

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

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

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

Fasten rated sheathing to one face of this frame.

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

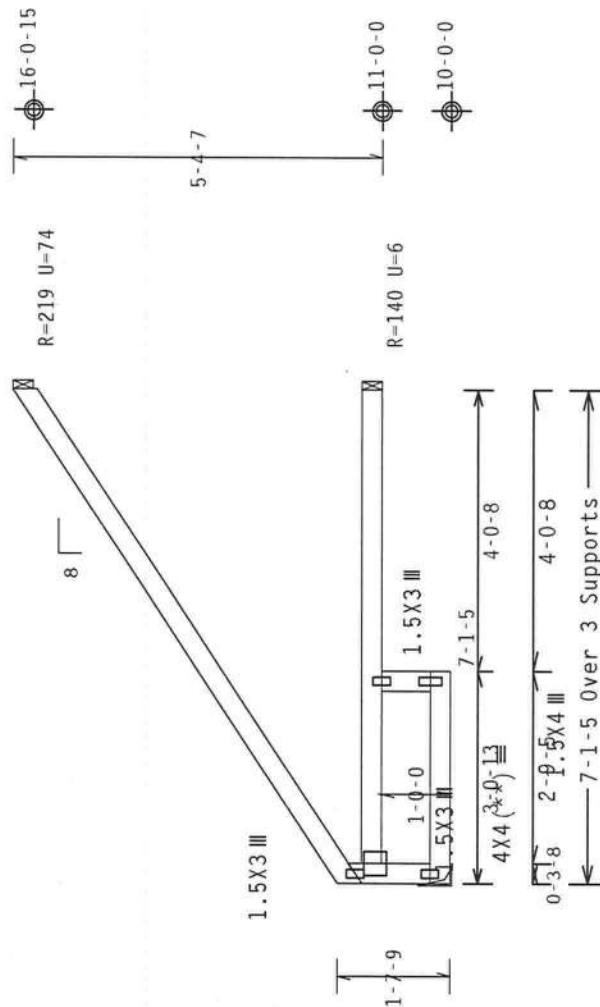
Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

(**) 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, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18

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

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.



R=300 U=0
RL=108/-33

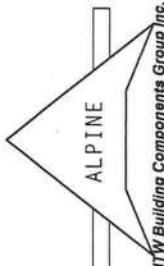
Design Crit: FBC2007Res/TPI-2002 (STD
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave

10.03.16032839

FL/-4/-/-R/-

Scale = .375"/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 Component Safety Information, by TPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be braced in accordance with the attached drawings and specifications. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		TC LL	20.0 PSF	REF	R487--	61464
	IMPORTANT The Building Components Group Inc. (iTWBCG) shall not be responsible for any deviation from 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 drawings and specifications. TPI: www.tpi.org; NICA: www.nicaindustry.com; IBC: www.iccsafe.org		TC DL	10.0 PSF	DATE	11/28/11	
			BC DL	10.0 PSF	DRW	HCUSR487	11332005
			BC LL	0.0 PSF	HC-ENG	DF/DF	
			TOT.LD.	40.0 PSF	SEQN-	245818	
11/28/2011			DUR.FAC.	1.25			
			SPACING	24.0"	JREF-	1UHF487_Z03	

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

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 GCpf(+/-)-0.18

Left and right cantilevers are exposed to wind

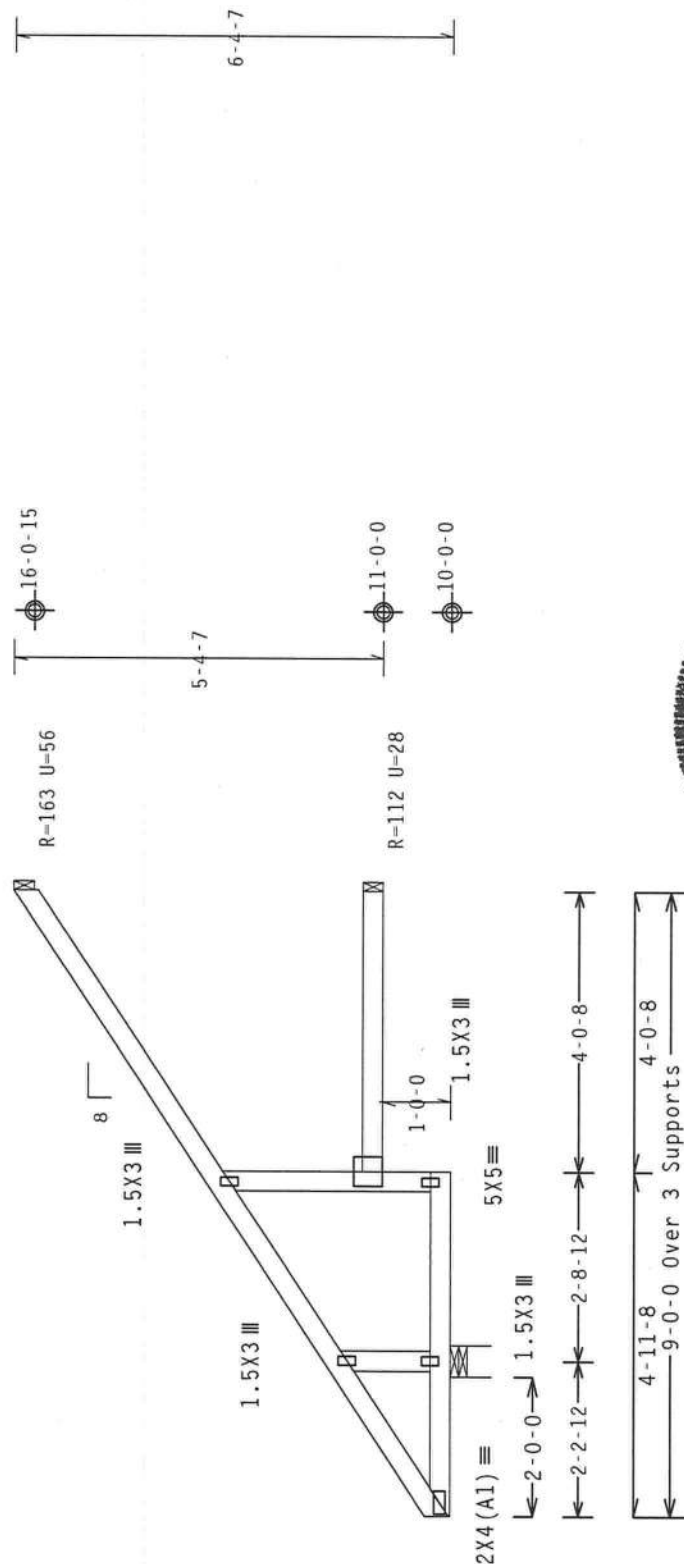
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

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

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



R=503 U=0 W=5.5"

RL-138/-42

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

PLT TYP. Wave

10:03.14 0607030

Scale = .375" / Ft.

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

IMPORTANT: Inform this dealer to ALL COMPANIES INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety Information, by IPI and NICA) for safety. Trusses are not to be used for anything other than their intended purpose. If a truss is not specifically noted otherwise, you should have a properly attached structural steel bracing system. Trusses shall have a properly attached rigid ceiling. Connections shown for permanent lateral restraining shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (IIBCBO) shall not be responsible for any deviation from the design shown herein which may occur due to unforeseen conditions during handling, shipping, installation or erection of trusses, application of sealant, fasteners, gaskets, nuts and bolts, or other materials, unless noted otherwise. Refer to drawings IBCO-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/AISC 1 Sec.2. For more information see: This Job's IBCO-REC'd; www.iwc.com; IPF: www.ipfinc.org; MICA; www.sectinduct.com; Tel: 765-854-0911; Fax: 765-854-0912.

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

11/28/2011

SPACING 24.0"

JREF- 1UHF487 703

(11-209--Fill in later BOB JORDAN -- , ** - HJ9T)

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

Left and right cantilevers are exposed to wind

(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.

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side. 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

Hipjack supports 11-0-0 setback. Jacks up to 7' have no webs. Longer jacks supported to BC. 2-0-0 cant one face, 2-0-0 cant opposite face.

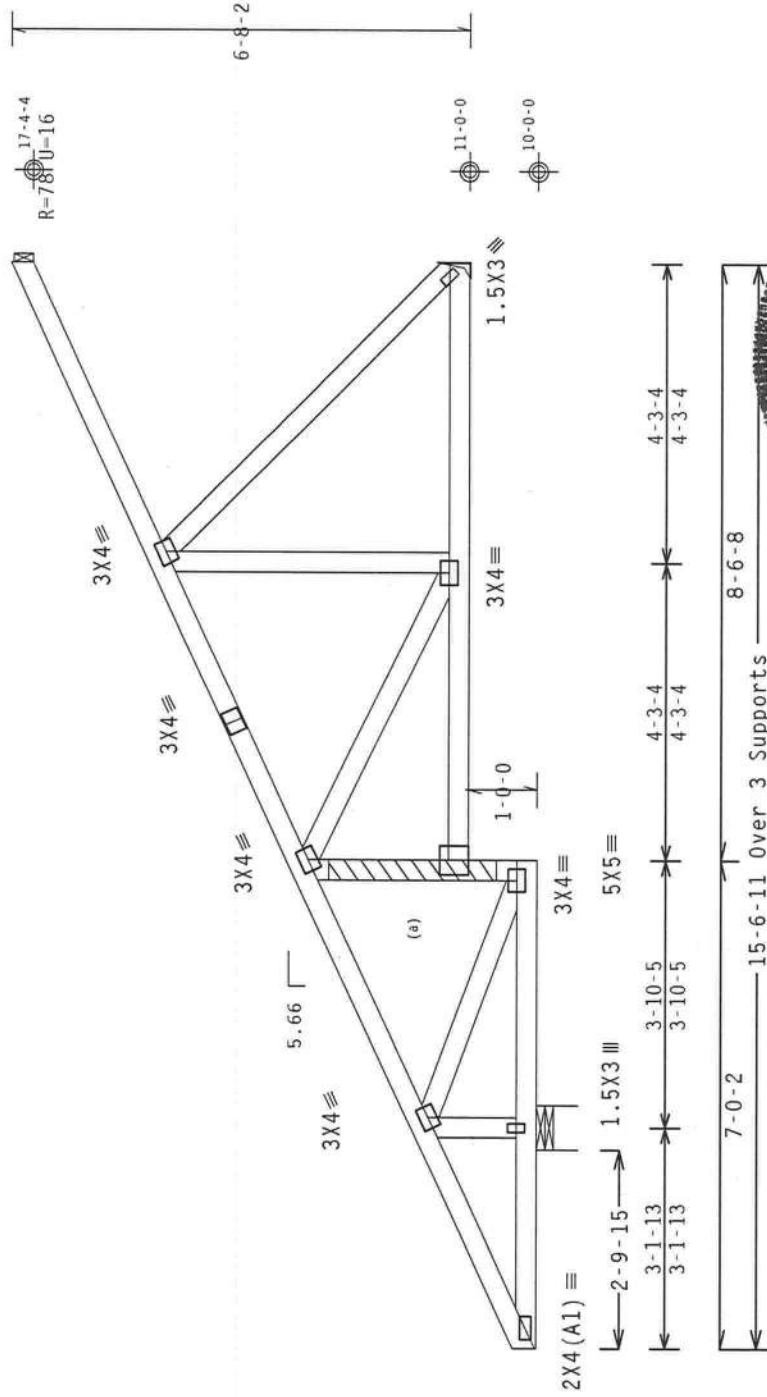
110 mph wind, 15.00 ft mean ht., ASCE 7-05, CLOSED Bldg. Located anywhere in roof, CAT II.
Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. W=1.00 Gcpi(+/-)=0.18

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

(H1) = (J) Hanger not calculated (2)2x6 SP #1 Dense supporting member.

The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs.

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



PLT TYP. Wave

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

FL/-4/-/-R/- Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487-- 61466
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332010
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245842
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UHF487_Z03

10/03. QNo. 2839

WALTER P. FINN
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/28/2011

11/28/2011

ICC: www.iccsafe.org

ALPINE

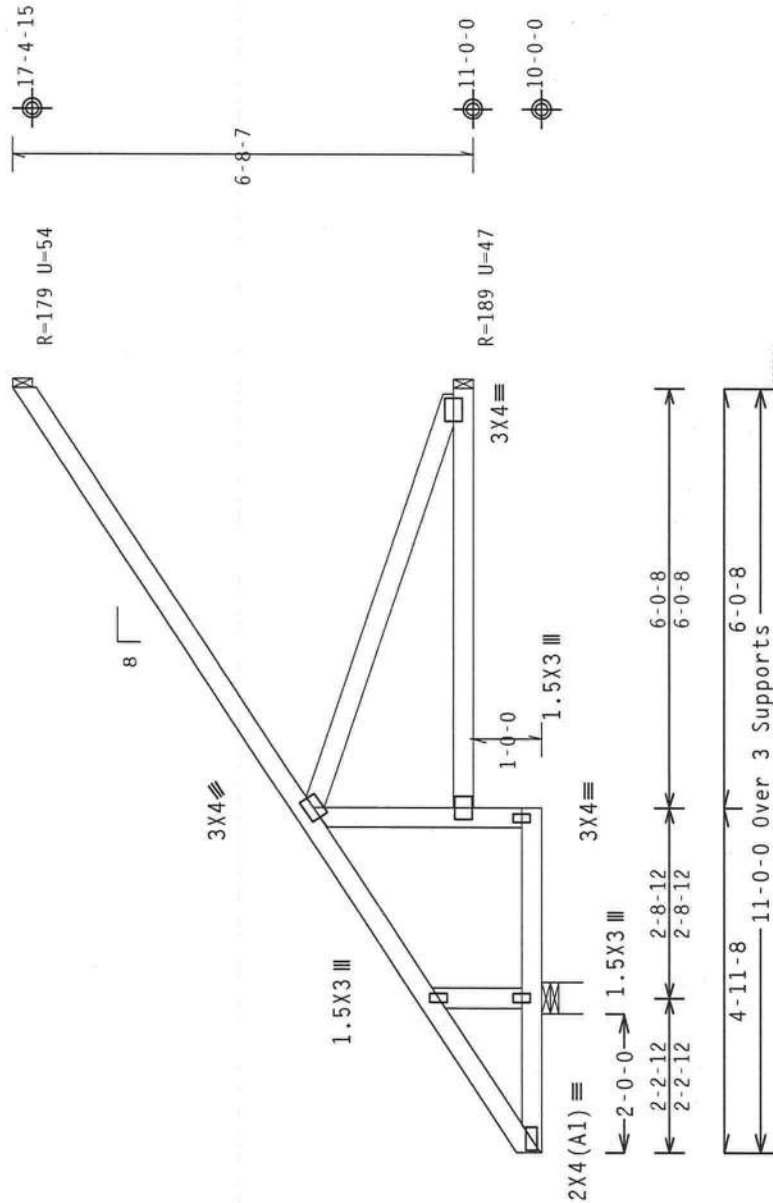
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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 GCp1(+/-)=0.18

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

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

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



R=580 U=0 W=5.5"
RL=169/-51

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

Scale = .375"/Ft.

[illegible]

(11-209--Fill in later BOB JORDAN -- , ** - EJ9)

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

Left and right cantilevers are exposed to wind

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

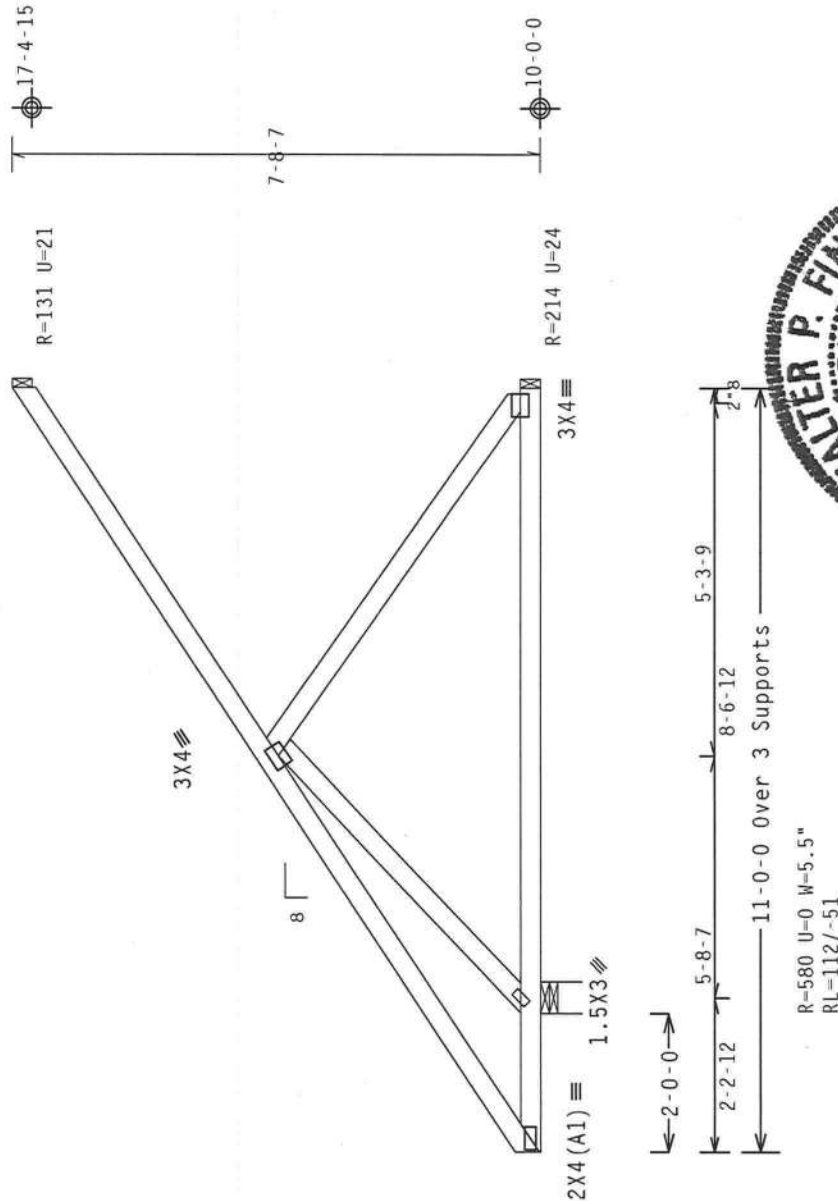
MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

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. $I_w=1.00$ GCPI (+/-)=0.18

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

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

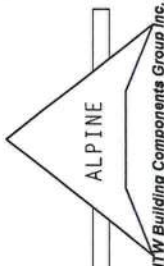
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

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

Scale = .375"/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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing and bracing details for all trusses. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job 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. For more information see: This Job's ICC: www.iccsafe.org; TPI: www.tpiinc.com; WICA: www.bcsindustry.com;			
	10-03-04-050336	QTY	FL/-4/-/-R/-	REF R487-- 61468
		TC LL	20.0 PSF	DATE 11/28/11
		TC DL	10.0 PSF	DRW HCUSR487 11332055
		BC DL	10.0 PSF	HC-ENG DF/DF
		BC LL	0.0 PSF	SEQN- 245853
11/28/2011	TOT.LD. 40.0 PSF			DUR.FAC. 1.25
	SPACING 24.0"			JREF- 1UHF487_Z03

(11-209--Fill in later BOB JORDAN -- , ** - EJ9VS)

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

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

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

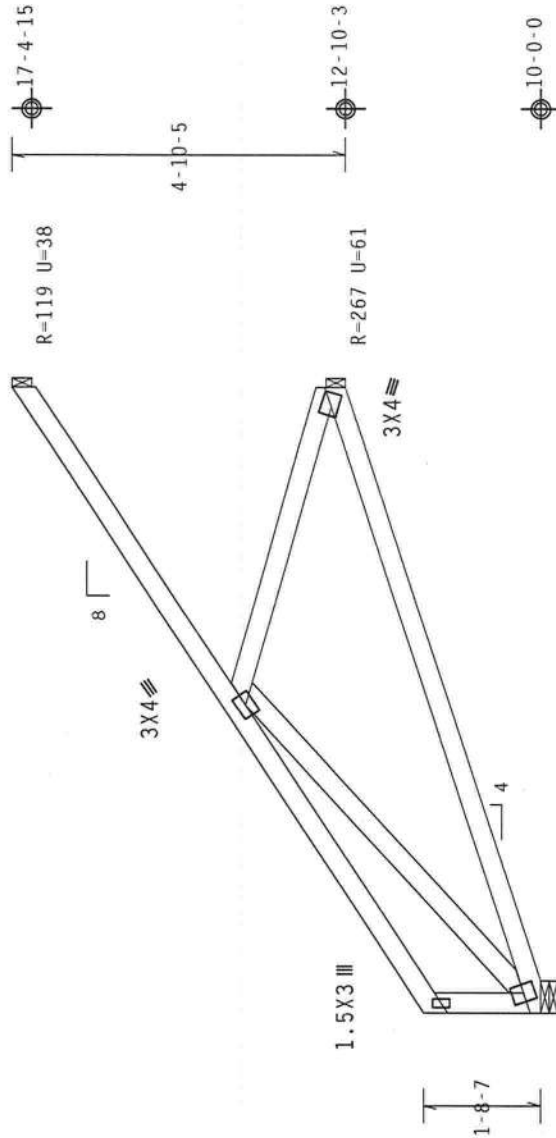
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

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. IW=1.00 GCPI(+/-)-0.18

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

Shim all supports to solid bearing.

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.



1'-12
1'-12
4-3-4
8-8-9
4-7-0
1'-1
9-0-0 Over 3 Supports
R=380 U=0 W=5.5"
RL=153/-57

PLT TYP. Wave

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

Scale = .375"/Ft.

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

10.03 No. 22836

QTY 4

REF R487 -- 61470

DATE 11/28/11

DRW HCUSR487 11332082

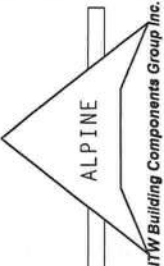
HC-ENG DF/DF

SEQN- 245871

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UHF487_Z03



ALPINE
Haines City, FL 33844
FL COA #0278

WALTER P. FINN
LICENSE
No. 22836
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/28/2011

****HARMING**** 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. Follow the instructions of the BCSI (Building Components System) and the manufacturer's practices prior to performing these functions. Installers shall provide temporary bracing 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 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 drawing or cover page listing this drawing. Indicates acceptance of professional engineering 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.itwbcg.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. Iw=1.00 GCpf (+/-)=0.18

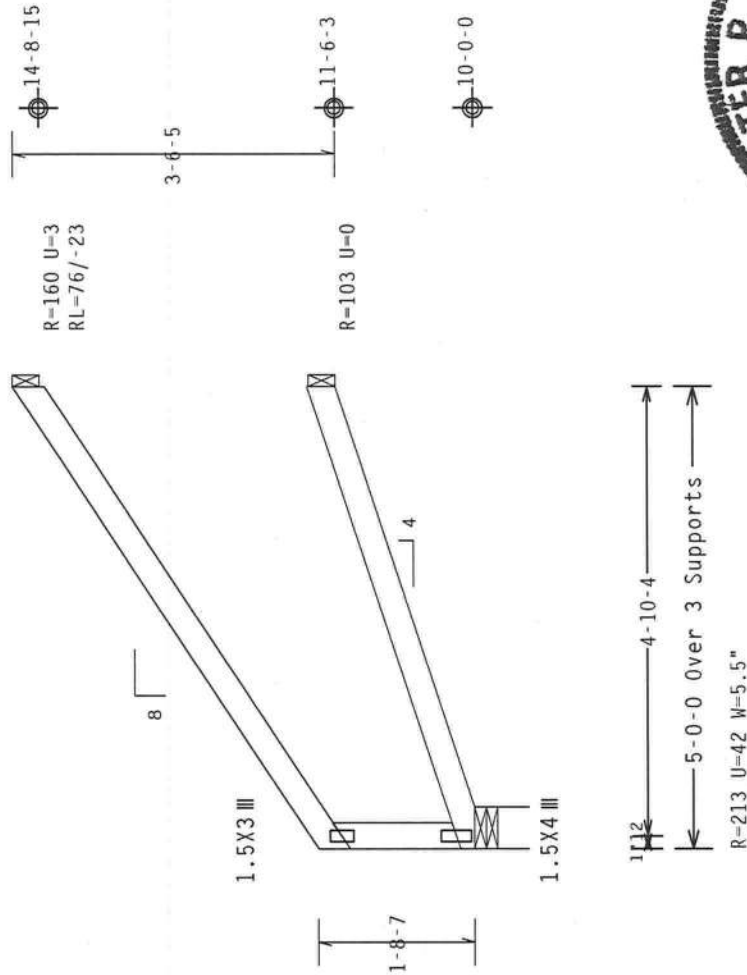
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

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

Shim all supports to solid bearing.



PLT TYP. Wave

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

Scale = .5"/Ft.

ALPINE

▲

mw Building Components Group inc.
Haines City, FL 33844
FL 33844 40 970

STATE OF FLORIDA

PROFESSIONAL ENGINEER

[Signature]

No. 22639

****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 latest edition of BCSP (Building Component Safety Information, by IPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise, and shall provide permanent bracing for all trusses. Trusses shall be braced in accordance with the bracing shown for permanent lateral restraint. Trusses shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from any failure to build this 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 details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal, 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: general notes page; IPI-BCG: www.iplnbcg.com; IPI: www.iplnbcg.org; WICA: www.bcspindustry.com. This job's

TC LL	20.0	PSF	REF R487-- 61472
TC DL	10.0	PSF	DATE 11/28/11
BC DL	10.0	PSF	DRW HCUSR487 11332059
BC LL	0.0	PSF	HC-ENG DF/DF *
TOT.LD.	40.0	PSF	SEQN- 245881
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UHF487_203

11/28/2011

(11-209--Fill) in later BOB JORDAN -- , ** - JW7S)

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

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

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

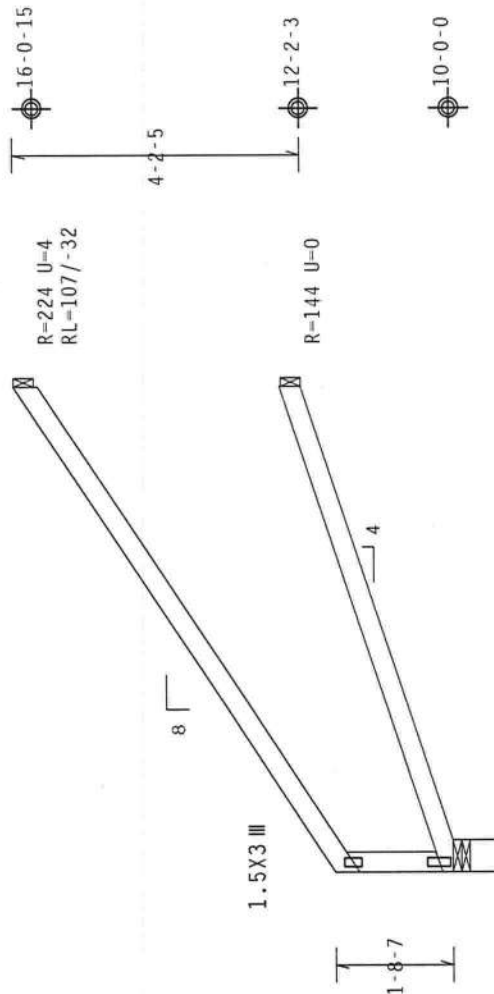
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

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

Shim all supports to solid bearing.

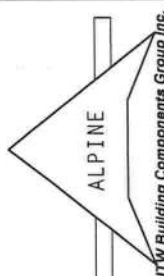
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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

Scale = .375"/Ft.

PLT TYP. Wave

 Haines City, FL 33844 FL COA #0 278	10403.04.0501336		QTY 1	FL / - / 4 / - / - / R / -	REF R487 -- 61473		
	10403.04.0501336			TC LL 20.0 PSF	DATE 11/28/11		
				TC DL 10.0 PSF	DRW HCUSR487 11332105		
				BC DL 10.0 PSF	HC-ENG DF/DF *		
				BC LL 0.0 PSF	SEQN - 245884		
				TOT.LD. 40.0 PSF			
				DUR.FAC. 1.25			
				SPACING 24.0"	JREF - 1UHF487_Z03		

WALTER P. FINN
LICENSE
No. 10403
FLORIDA
PROFESSIONAL ENGINEER
11/28/2011

IMPORTANT** 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. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and MICA) practices prior to performing these functions. Installers shall provide temporary bracing 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 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 bracing of trusses. Apply plates to meet the requirements of the design. A seal on the design 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.itwbcg.com; IPI: www.ipinst.org; MICA: www.bcsiindustry.com; ICC: www.iccsafe.org

(11-209--Fill in later BOB JORDAN -- , ** - HJ9V)

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

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 5-0-0 cant side requires 46 lbs and the 2-0-0 cant side requires 46 lbs.

HiJack supports 11-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC. 2-0-0 cant one face, 2-0-0 cant opposite face.

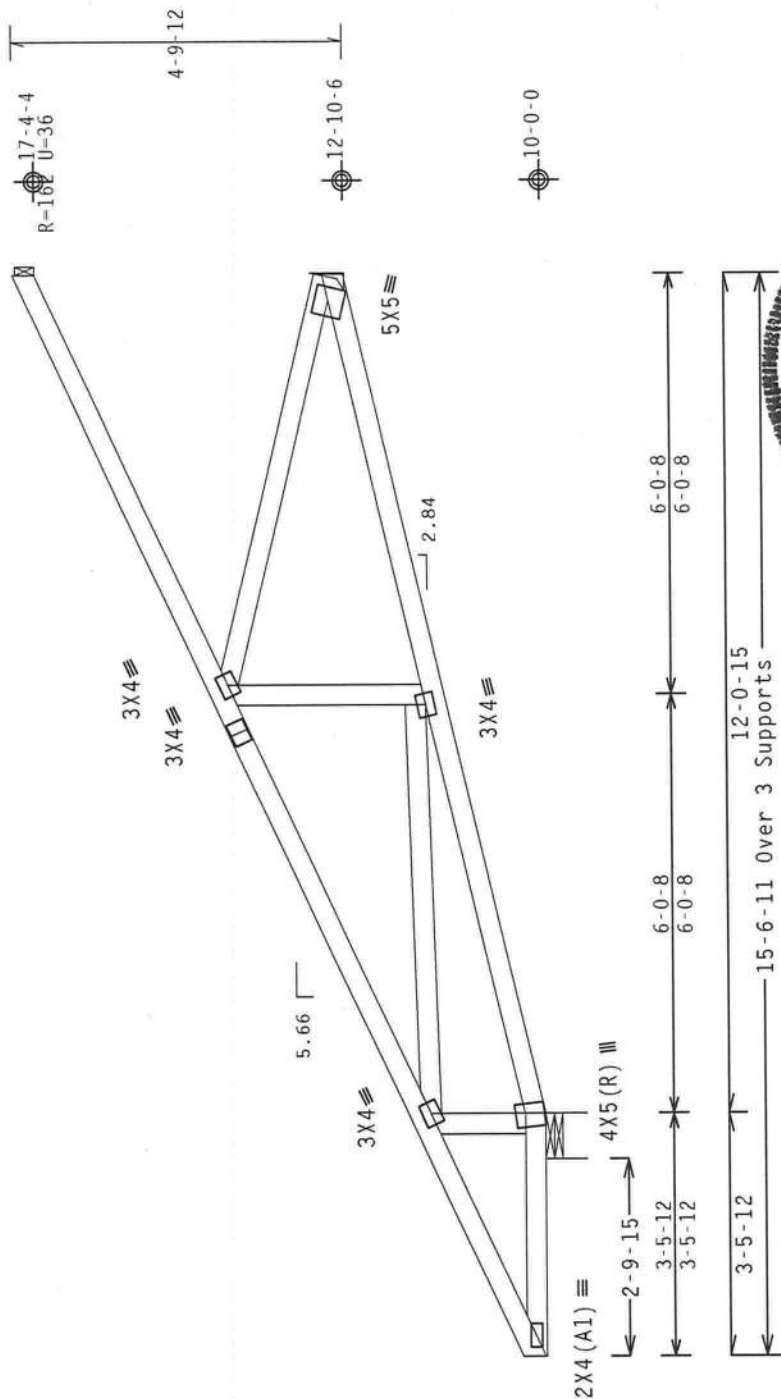
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

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

Sub-fascia beam assumptions: 5.0-0 sub-fascia beam on the 2.0-0 cantilever side. 5.0-0 sub-fascia beam on the 2.0-0 cantilever side.

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

Shim all supports to solid bearing.



R=795 U=78 W=7.778"

PLT TYP. Wave

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

3C200/Res/ IPI-2002
FT/RT=10%(0%) / 0(0)

10.03.14.0602000

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

Scale = .375"/Ft.

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

Busses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP Building Component Safety Formulation Guide and BCSL practices prior to performing this installation. Properly attached structural temporary bracing will ensure that busses are installed without damage to the bus or other components. The installers noted commonly attached rigid ceiling. Locations shown for permanent lateral restraining members may be different than those shown for temporary bracing.

All busses must have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

TW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

JREF- 1UHF487 Z03

SPACING 24.0"

11/28/2011

Job's

WTPI 1 Sec.2. For more information
visit www.wtpi.org; WTCA: www.sbcindustry.com/wtca

responsibility of the Building Design
 notes page: ITW-8CG: www.itwbcg.

Haines City, FL 33844

FL COA #0 278

1710-104-1101

0.47

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100

notes page, 114-115. www.encyclopedia.liccsafe.org

FL COA #0 278

FL COA #0 278

(11-209--Fill in later BOB JORDAN -- , ** - J6)

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

Left and right cantilevers are exposed to wind

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

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

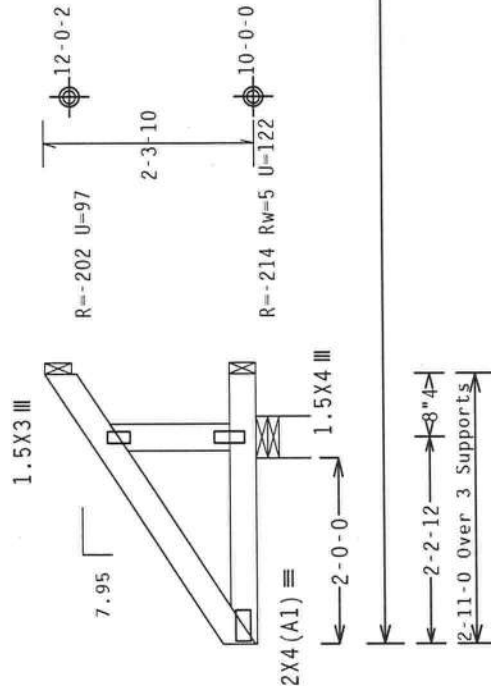
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Negative reaction(s) of -214# MAX. (See below) from a non-wind load case requires uplift connection.

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. Iw=1.00 GCPI (+/-)=0.18

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

Stacked top chord must NOT be notched or cut in area (NML). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



R=661 U=0 W=5.5"
RL=43

2-0-0 (NML)
2-0-0

20-11-0
20-11-0

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

PLT TYP. Wave

10-03. No. 22839

FL/-/4/-/-/R/-
Scale =.5"/Ft.

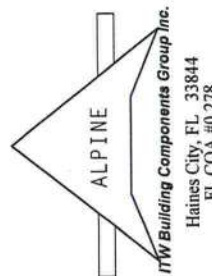
TC LL	20.0 PSF	REF R487--	61475
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332104
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245982
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UHF487_Z03



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. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for practices prior to performing these functions. Installers shall provide temporary bracing per the notes on this drawing. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IW Building Components Group Inc. (IWBG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with this design shall be the responsibility of the contractor. Refer to drawings 160A-2 for standard plate positions. A seal on this 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: IWBG: www.iwbgroup.com; IPI: www.ipinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org



(11-209--Fill1 in later BOB JORDAN -- , ** - J7)

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

Left and right cantilevers are exposed to wind

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

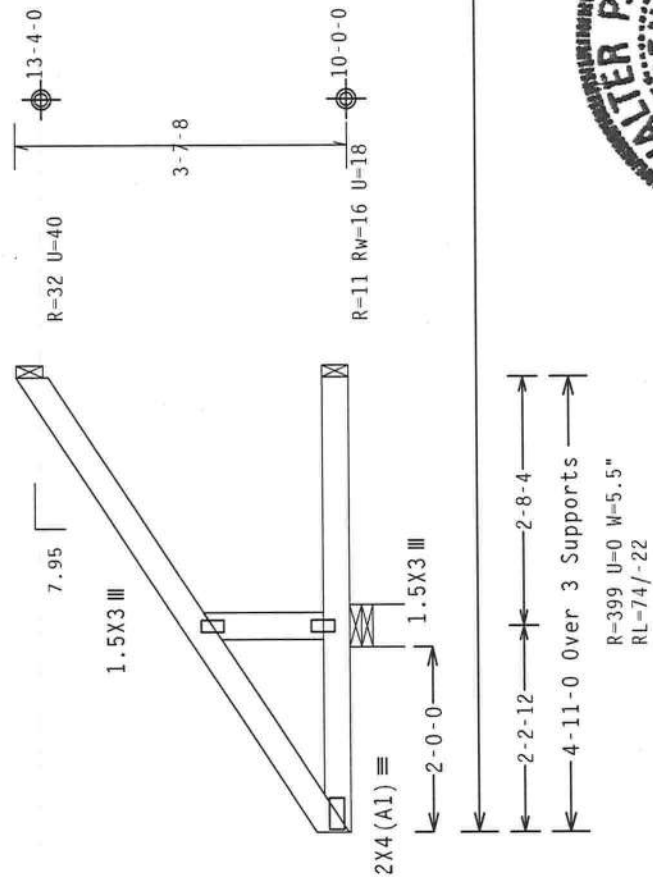
Deflection meets L/240 live and L/180 total load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. IW=1.00 GCPI(+/-)=0.18

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

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.



2-0-0 (NNL)
2-0-0

R-399 U=0 W=5.5"
RL=74/-22

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

PLT TYP. Wave

Scale = .5" / Ft.

REF	R487--	61476
DATE	11/28/11	
DRW	HCUSR487	11332057
HC-ENG	DF/DF	
SEQN	245985	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UHF487_Z03	



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and both shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, bracing of trusses. Apply plates to each face of the top chord and bottom chord in the details, 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: IITW-BCG: www.iitwbcg.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

ALPINE

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

(11-209--F111 in later BOB JORDAN -- , ** - J8)

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

Left and right cantilevers are exposed to wind

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

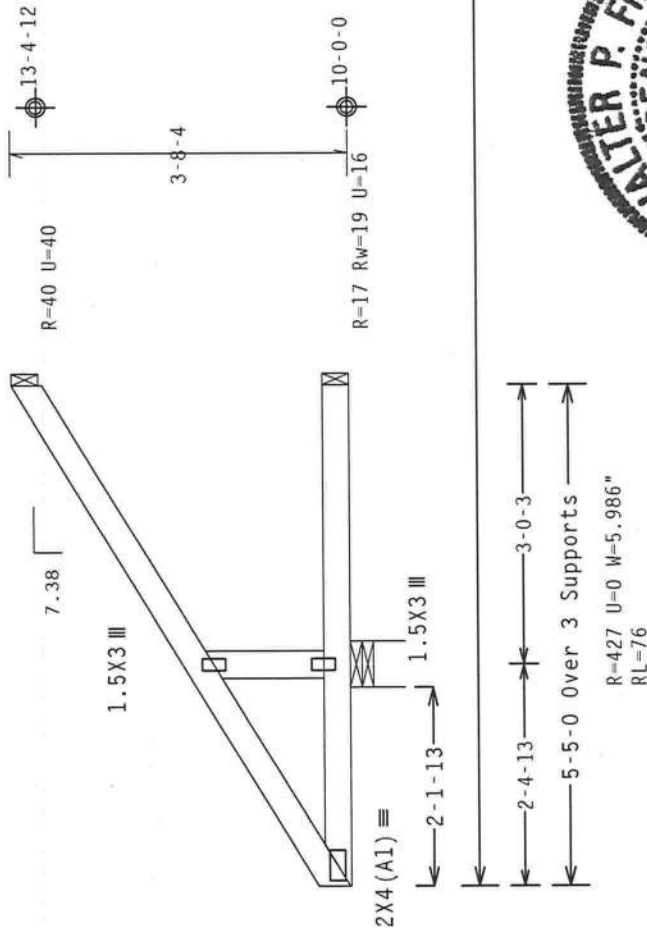
Deflection meets L/240 live and L/180 total load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. IW=1.00 GCp1(+/-)=0.18

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

Stacked top chord must NOT be notched or cut in area (NWL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.



2-0-0 (NNL)
2-0-0

20-11-0
20-11-0

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

PLT TYP. Wave

10.03. No. 022839

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

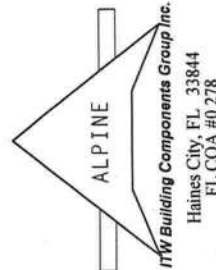
Scale = .5" / Ft.

TC LL	20.0 PSF	REF R487 --	61477
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332036
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN -	245988
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1UHF487_Z03

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 latest edition of BCSI (Building Component Safety Information, by IPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and blocking shall have a properly attached rigid ceiling. All members shall have blocking. All members shall have bracing installed per BCSI section 83, 84 or 810, as applicable.

IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from the design shown. Trusses shall be installed in accordance with the IPI/BCG installation manual. Details, unless noted otherwise, shall be in accordance with the IPI/BCG installation manual. 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: IPI-BCG: www.ipecy.com; IPI: www.ipecy.com; IPI: www.ipecy.com; IPI: www.ipecy.com; IPI: www.ipecy.com



(11-209--Fill in later BOB JORDAN --, ** - HJ7V)

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

Negative reaction(s) of -241# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. 1w=1.00 GCpl(+/-)-0.18

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

The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs.

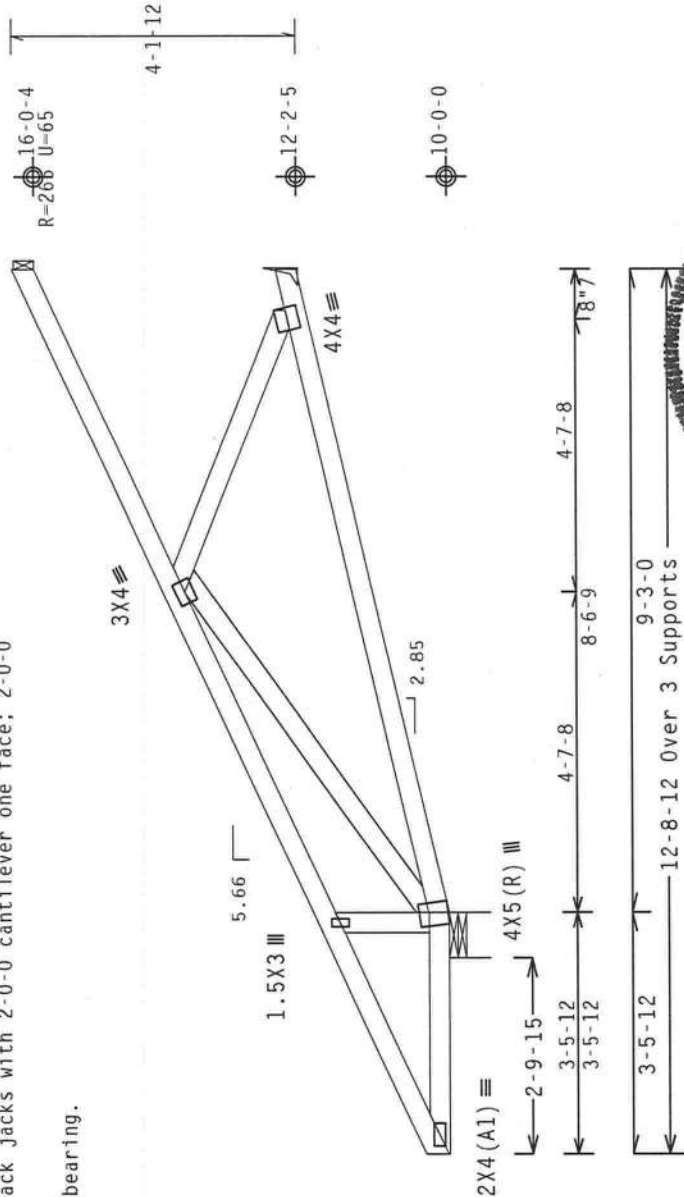
Hipjack supports 9-0-0 setback jacks with 2-0-0 cantilever one face; 2-0-0 cantilever opposite face.

Shim all supports to solid bearing.

Left cantilever is exposed to wind

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side. 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

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



R-583/-242 U-402 W-7.778"

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

PLT TYP. Wave

10.03. No. 22829

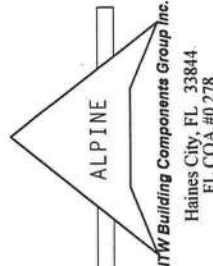
FL/-/4/-/-/R/- Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	61478
TC DL	10.0 PSF	DATE	11/28/11	
BC DL	10.0 PSF	DRW	HCSR487	11332031
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	15258	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UHF487_Z03	

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. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and MICA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural steel and bottom chord shall have a properly attached structural steel. All members shall be installed in accordance with BCSI sections 83, 87 or B10, as applicable.

IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from this drawing and shall not be responsible for any damage to property or persons caused by the use of this drawing. Refer to drawings 1500-2 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: IPI-BCG: www.ipecg.com; TPI: www.tpinet.org; MICA: www.sectrustry.com; ICC: www.iccsafe.org



(11-209--Fill in later BOB JORDAN -- ** - H3K)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, 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.

Left and right cantilevers are exposed to wind

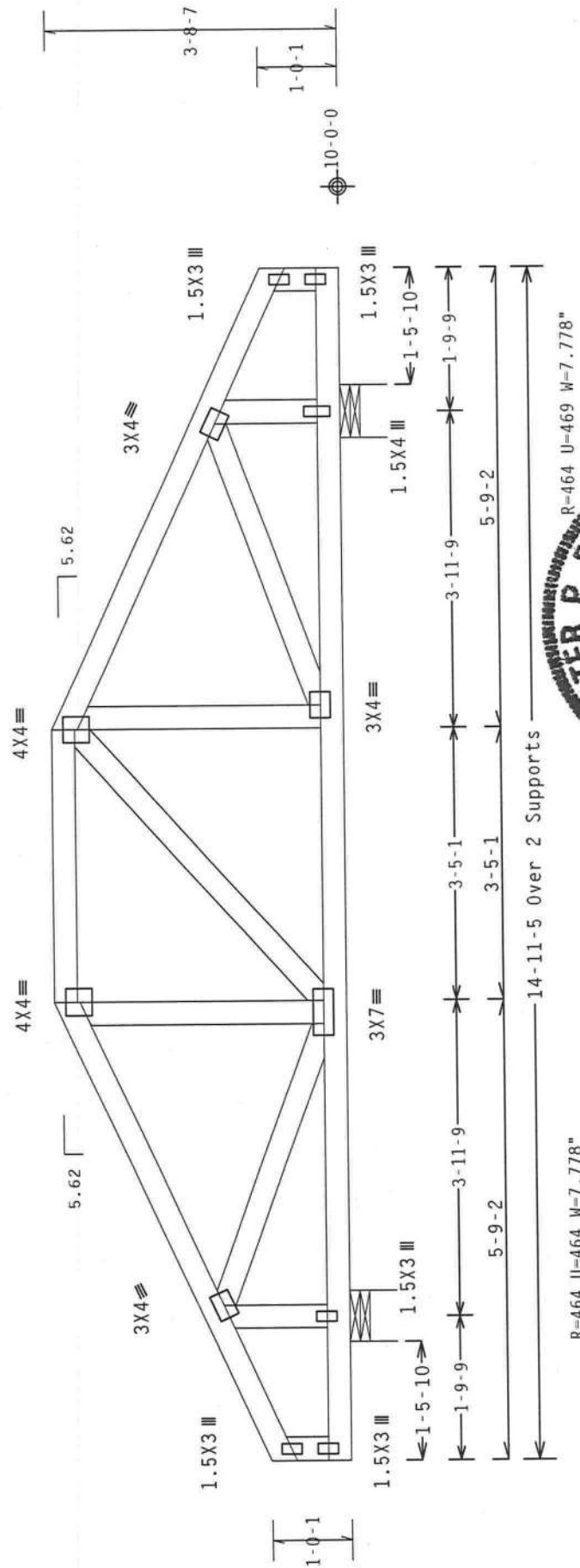
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

Special loads

-----Lumber-----
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 2.81
TC- From 31 plf at 2.81 to 31 plf at 5.76
TC- From 31 plf at 5.76 to 31 plf at 9.18
TC- From 31 plf at 9.18 to 31 plf at 12.13
TC- From 62 plf at 12.13 to 62 plf at 14.94
BC- From 20 plf at 0.00 to 20 plf at 2.81
BC- From 10 plf at 2.81 to 10 plf at 12.13
BC- From 20 plf at 12.13 to 20 plf at 14.94
TC- 143.38 lb Conc. Load at 2.81, 12.13
TC- 107.24 lb Conc. Load at 5.71, 9.27
TC- 35.69 lb Conc. Load at 7.82
BC- 173.30 lb Conc. Load at 2.81, 12.13
BC- 41.90 lb Conc. Load at 5.71, 9.28
BC- 13.82 lb Conc. Load at 7.82



PLT TYP. Wave

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

Scale = .5" / Ft.

REF R487 - 61479

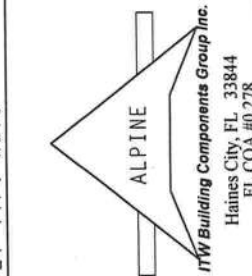
DATE 11/28/11

DRW HCUSR487 11332098

HC-ENG DF/DF

SEQN- 245993

JREF- 1UHF487_Z03



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses shall be fabricated in accordance with the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI (Building Component Safety Information, by TPI and MICA) section 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, fabricating or bracing of trusses. Apply plates to each face of truss and position plates in accordance with the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) practices prior to performing these functions. 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.itwbcg.com; TPI: www.tpinet.org; MICA: www.bcindustry.com; ICC: www.iccsafe.org



R-464 U-469 W-7.778"

(11-209--Fill in later BOB JORDAN -- , ** - H5L)

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 64 plf at 3.62
TC- From 62 plf at 3.62 to 62 plf at 5.57
TC- From 62 plf at 5.57 to 62 plf at 9.43
TC- From 62 plf at 9.43 to 62 plf at 11.38
TC- From 64 plf at 11.38 to 64 plf at 15.00
BC- From 20 plf at 0.00 to 20 plf at 15.00
TC- 67.60 lb Conc. Load at 3.62, 11.38
TC- 68.70 lb Conc. Load at 3.91, 11.09
TC- 245.20 lb Conc. Load at 5.57
TC- 113.60 lb Conc. Load at 7.51, 9.43
TC- 131.60 lb Conc. Load at 9.20
BC- 36.90 lb Conc. Load at 3.62, 11.38
BC- 18.20 lb Conc. Load at 3.91, 11.09
BC- 145.00 lb Conc. Load at 5.57, 9.43
BC- 69.10 lb Conc. Load at 7.51

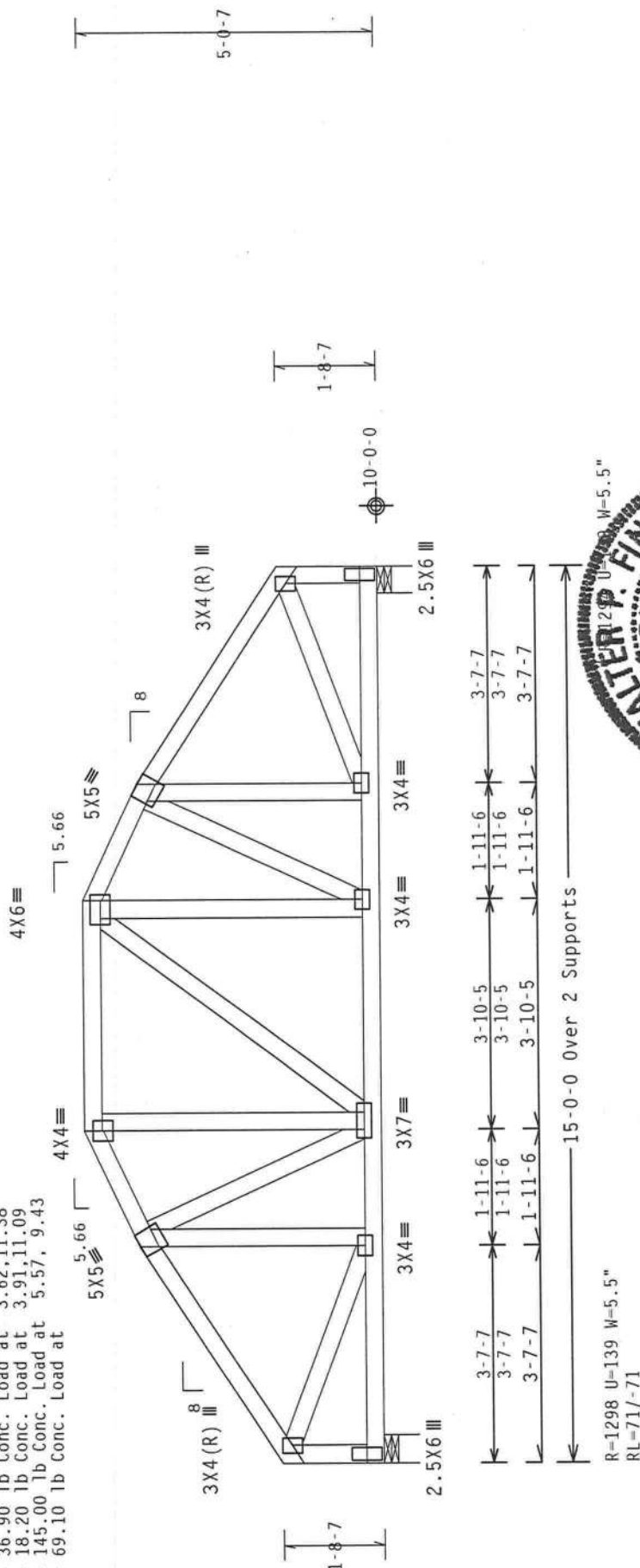
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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.

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



PLT TYP. Wave

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

Scale = .375" / Ft.

PLT TYP. Wave ALPINE nmw Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	10-03 04.0601.16 No. 22839 WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/28/2011				REF R487-- 61481
	TC LL	20.0 PSF	FL/- /4/- /- /R/-	DATE	11/28/11
	TC DL	10.0 PSF		DRW	HCUSR487 11332034
	BC DL	10.0 PSF		HC-ENG	DF/DF
	BC LL	0.0 PSF		SEQN-	246824
				TOT.LD.	40.0 PSF
				DUR.FAC.	1.25
				SPACING	24.0"
				JREF-	1UHF487_203

IMPORTANT** 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 NICA) practices prior to performing these functions. Installers shall provide temporary bracing 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

nmw Building Components Group Inc. (TPI/BCSI) shall not be responsible for any deviation from 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: TPI-BCSI: www.tpiinst.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org

(11-209--Fill in later BOB JORDAN -- , ** - LG)

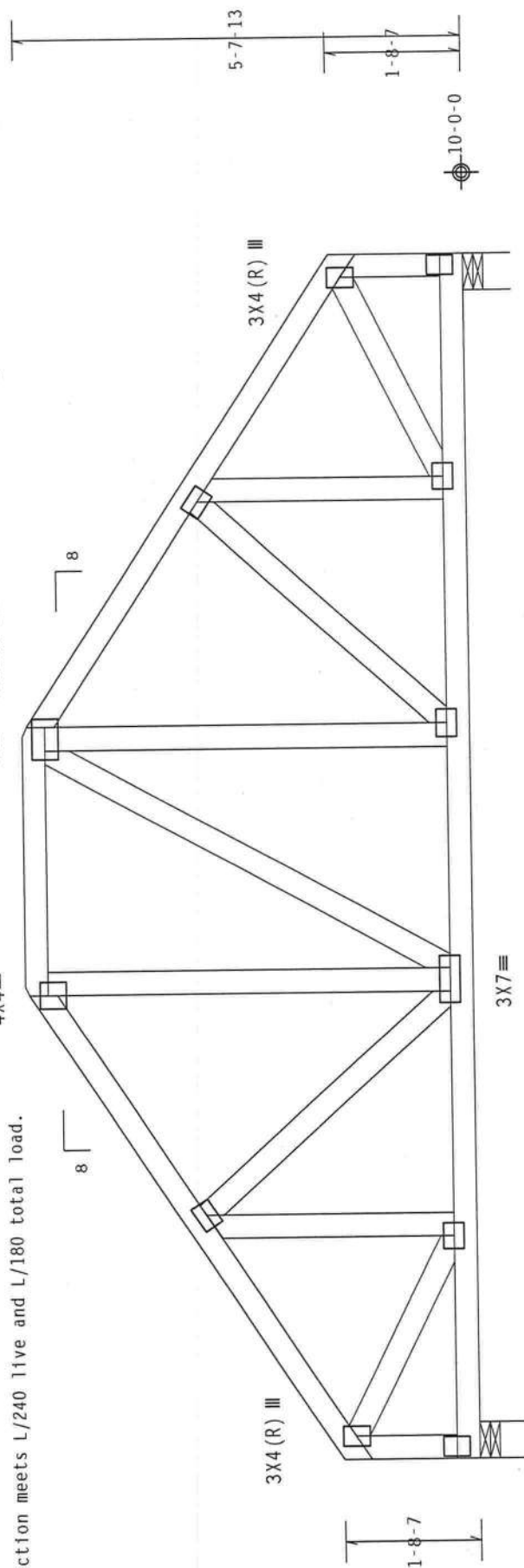
	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense	
	webs	2x4	SP	#3		

111110 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.

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

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



15-0-0 Over 2 Supports

R=1520 H=134 W=5.5"

Note: All Plates Are 3X4 Except As Shown.

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

PLT TYP. Wave

Scale = .5"/Ft.

TC	LL	20.0	PSF	REF	R487 - -	61482
TC	DL	10.0	PSF	DATE	11/28/11	
BC	DL	10.0	PSF	DRW	HCUSR487	11332028
BC	LL	0.0	PSF	HC-ENG	DF/DF	
TOT.	L.D.	40.0	PSF	SEQN-	245376	
DUR.	FAC.	1.25				
SPACING	24.0"			JREF-	1UHF487_Z03	

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
PROFESSIONAL SEAL DESIGN YOUR CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT****

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and WCA) or other applicable code requirements. Installers shall provide temporary bracing as required by the design engineer. Trusses shall be installed in accordance with the chord wall attachment details shown. Chord walls shall have a properly attached permanent lateral restraint system. See drawings for details. See also BCS-810, where applicable.

[illegible]

general notes page: 1
 ICC: www-iccsafe.org



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

11/28/2011

This job's

information see:

ec.2. For more

per ANSI/TPI 1

Building Designer

responsibility of the

the responsibility

1. *Adenovirus* group:

Building a

(11-209--Fill in later BOB JORDAN -- , ** - BP)

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

110 mph wind, 20.70 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=2.0 psf. IW=1.00
GCp1(+/-)=0.18

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

MWFRS loads based on trusses located at least 10.35 ft. from roof edge.

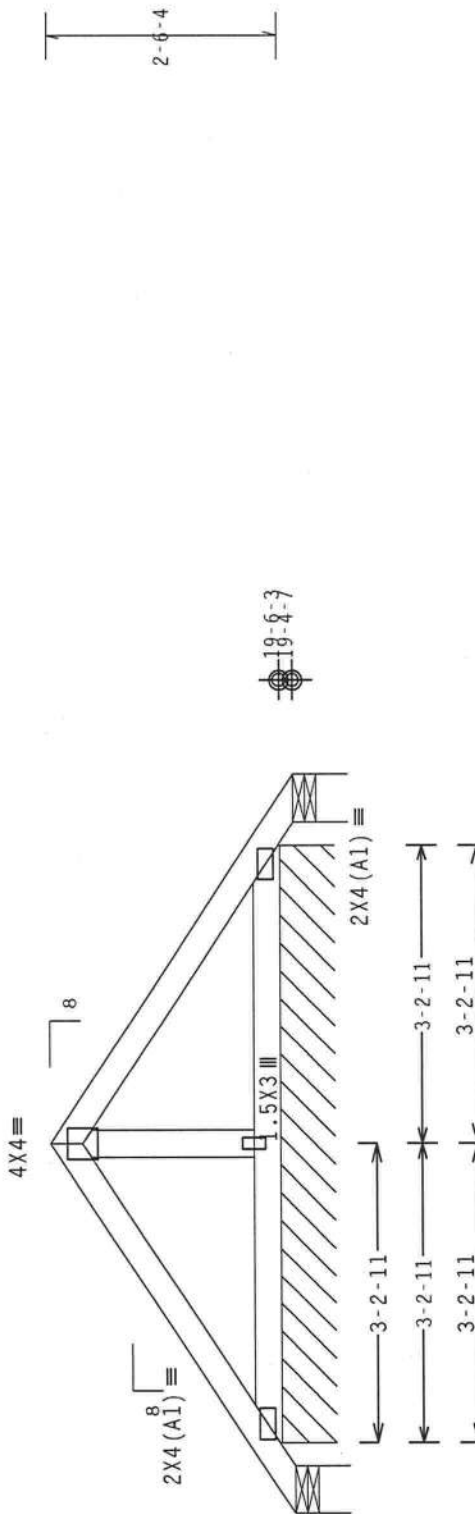
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 64 plf at 0.00 to 64 plf at 4.00
TC- From 64 plf at 4.00 to 64 plf at 8.00
BC- From 4 plf at 0.00 to 4 plf at 8.00

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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



8-0-0 Over 3 Supports

R=-22 Rw=49 U=53 W=6.31"
RL=59/R506 PLF U=20 PLF W=6-5-6

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

PLT TYP. Wave

REF	R487--	61483
DATE	11/28/11	
DRW	HCUSR487	11332004
HC-ENG	DF/DF	
SEQN	245288	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UHF487_Z03	

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



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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached and secured minimum 2x4 bracing. Bracing 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 approved design. All trusses shall be braced with ANSI/TPI 1 or for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint 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-BG: www.itwbcg.com; TPI: www.tpinet.org; WICA: www.wicaindust7.com; IBC: www.iccsafe.org

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

(11-209--Fill in later BOB JORDAN -- , ** - H15BP)

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

110 mph wind, 20.04 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=2.0 psf. IW=1.00
GCpl (+/-)-0.18

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

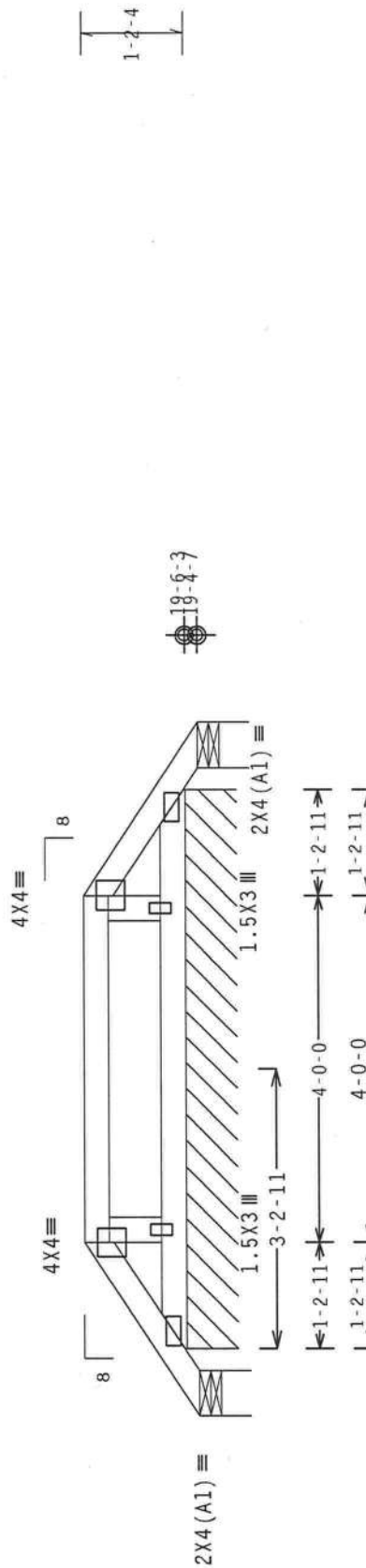
Deflection meets L/240 live and L/180 total load.

Refer to DWG PB1200310 for piggyback details.

Special loads
----- (Lumber
TC- From Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
64 plf at 0.00 to 64 plf at 2.00
TC- From 64 plf at 2.00 to 64 plf at 6.00
64 plf at 6.00 to 64 plf at 8.00
BC- From 4 plf at 0.00 to 4 plf at 8.00

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

MWFRS loads based on trusses located at least 10.02 ft. from roof
edge.



R=24 U=13 W=6.31"
RL=28/R#81 PLF U=15 PLF W=6-5-6

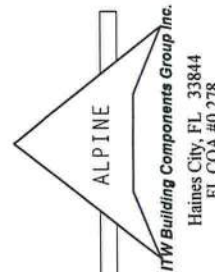
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

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. It is the responsibility of the truss manufacturer to provide the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing and bracing details, unless noted otherwise. Trusses shall be braced in accordance with the BCSI and WICA specifications. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

TPI Building Components Group Inc. (TPI/BCG) shall not be responsible for any deviation from this design for any reason. The truss manufacturer shall be responsible for the design, fabrication, handling, shipping, installing and 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. 2.2. For more information see: This Job's general notes page. TPI-800, www.tpi.org; WICA, www.wicainst.org; IBC, www.iccsafe.org



FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
TC LL 20.0 PSF	REF R487 -- 61484
TC DL 10.0 PSF	DATE 11/28/11
BC DL 10.0 PSF	DRW HCUSR487 11332075
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 245294
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UHF487_Z03

(11-209--Fill in later BOB JORDAN -- , ** - GP)

Top chord 2x4 SP #2 Dense :T2 2x4 SP #1:

Bot chord 2x4 SP #2 Dense

Webs 2x4 SP #3

110 mph wind, 22.04 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=2.0 psf. IW=1.00 GCpi(+/-)-0.18

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

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

Refer to DWG PB1200310 for piggyback details.

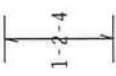
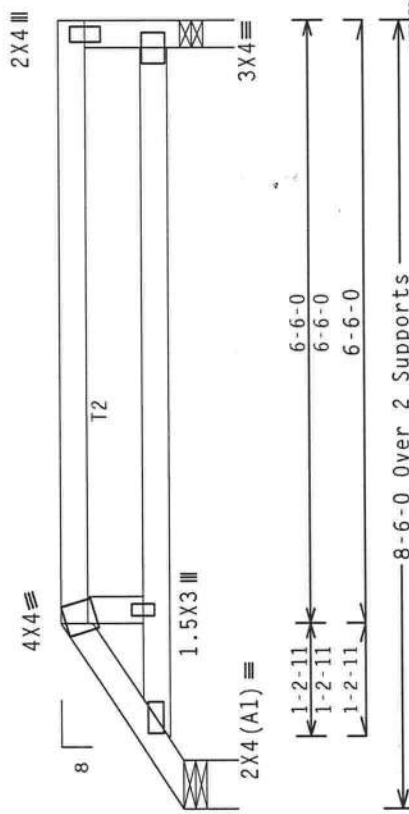
Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 64 plf at 0.00 to 64 plf at 2.00
TC- From 64 plf at 2.00 to 64 plf at 8.50
BC- From 4 plf at 0.00 to 4 plf at 8.50

Left cantilever is exposed to wind

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

MWFRS loads based on trusses located at least 22.04 ft. from roof edge.

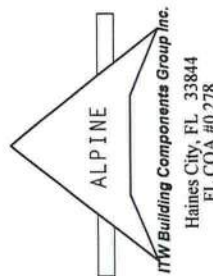


Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale =.5"/Ft.

TC LL	20.0 PSF	FL/-/4/-/-/R/-	REF R487--	61485
TC DL	10.0 PSF		DATE	11/28/11
BC DL	10.0 PSF		DRW HCUSR487	11332087
BC LL	0.0 PSF		HC-ENG DF/DF	
TOT.LD.	40.0 PSF		SEQN-	245620
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UHF487_Z03



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. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached bracing for lateral stability. Webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
MW Building Components Group Inc. (IPI/NICA) shall not be responsible for any deviation from any code and shall be responsible 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 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; IPI-BCSI: www.ftwccp.com; IPI: www.tpinet.org; NICA: www.bcsiindustry.com; IEC: www.tccsafe.org

(11-209--Fill in later BOB JORDAN -- , ** - BP1)

Top chord 2x4 SP #2 Dense : T1 2x4 SP #1:

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

11110 mph wind, 21.15 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=2.0 psf. 1w=1.00 GCpi (+/-)0.18

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

Left end vertical not exposed to wind pressure.

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

Refer to DWG PB1200310 for piggyback details.

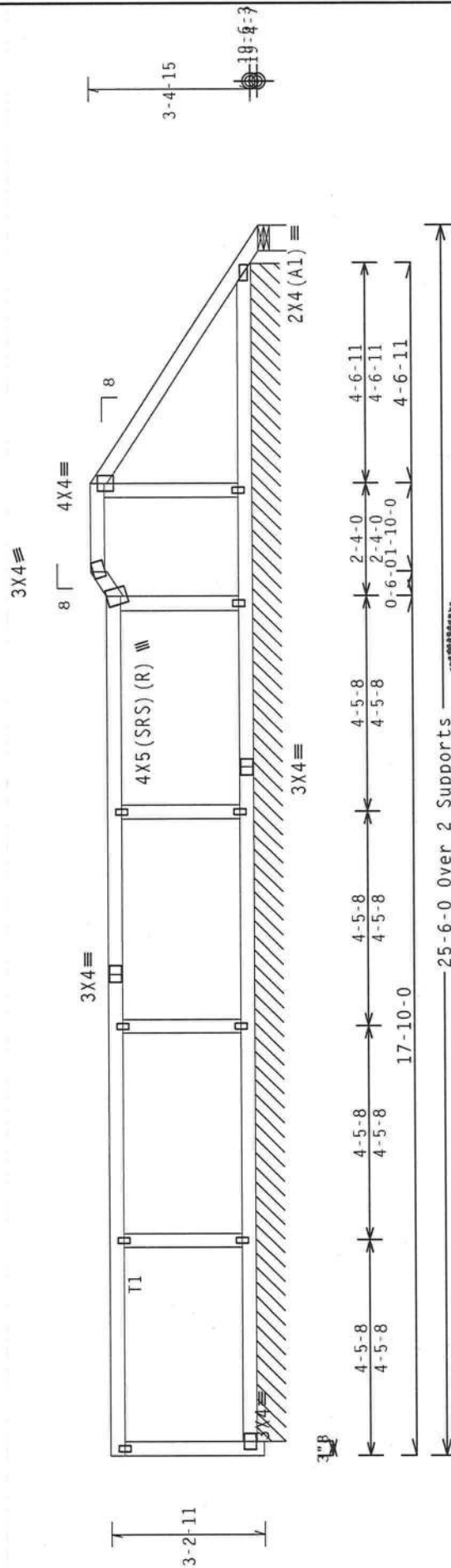
Special loads

Spectral	Number	Dur. Fac.=1.25 / Plate Dur. Fac.=1.25
TC-	From 64 pif at 0.00 to 64 pif at 17.83	
TC-	From 64 pif at 17.83 to 64 pif at 18.33	
TC-	From 64 pif at 18.33 to 64 pif at 20.17	
TC-	From 64 pif at 20.17 to 64 pif at 25.50	
BC-	From 4 pif at 0.00 to 4 pif at 25.50	

Left and right cantilevers are exposed to wind

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

MWFRS loads based on trusses located at least 42.30 ft. from roof edge.



R=76 PIF U=20 PIF W=24-5-0

 $RI=1/-3 \text{ PIF}$

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FRC2007Res/TPI-2002 (STD)

PIT TYPE Wave

3C200/Res/PI-2002
FT/RT=10%(0%)/0(0)

15

10.03.24.0501316

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

Scale = .3125"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. The latest edition of *First Building Component Safety Information* by LPI and UICAI contains this data to help contractors increase productivity and safety.

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 shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of the truss shown on the drawings. ITWBCG shall not be responsible for any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or using the truss in a manner not intended by ITWBCG.

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 bottom flange of the truss is required to indicate acceptance of professional engineering inspection. The seal must come from the same place as the seal on the top flange.

the responsibility of the Building Designer per ANSI/TP1 1 Sec.2. For more information see: This Job's

general notes page: [ITH-BCG: www.ithbcg.com](http://www.tpinst.org); [TPI: www.tpinst.org](http://www.tpinst.org); [MICA: www.abelindustry.com](http://www.abelindustry.com);
[ICC: www.icsafe.org](http://www.icsafe.org)

(11-209--Fill in later BOB JORDAN -- , ** - BP2)

Top chord	2x4	SP	#2	Dense	:T1	2x4	SP	#1:
Bot chord	2x4	SP	#2	Dense				
webs	2x4	SP	#3					

Negative reaction(s) of -278# MAX. (See below) from a non-wind load case requires uplift connection.

11110 mph wind, 21.65 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=2.0 psf. Iw=1.00 GCp1 (+/-)=0.18

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

Left end vertical not exposed to wind pressure.

refer to DWG PB1200310 for piggyback details.

Special loads

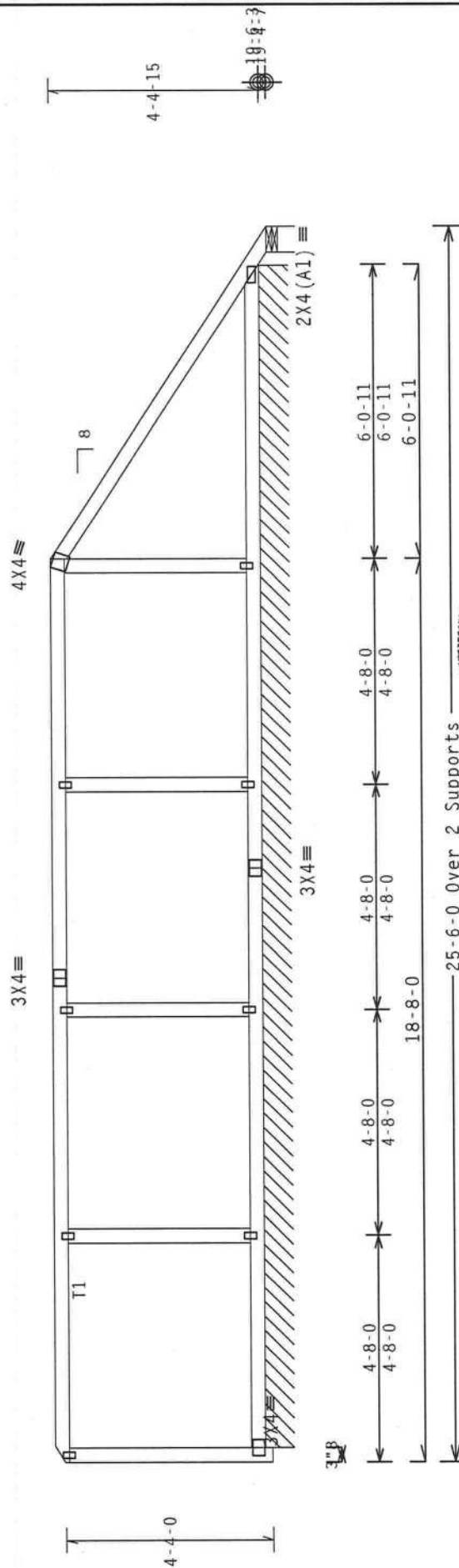
	Dur. Fac. = 1.25 / Plate Dur. Fac. = 1.25	
----- (Lumber	60 plf at 0.00 to	60 plf at 0.33
IC- From	64 plf at 0.33 to	64 plf at 18.67
IC- From	64 plf at 18.67 to	64 plf at 25.50
IC- From	64 plf at 0.00 to	4 plf at 25.50
BC- From		

Left and right cantilevers are exposed to wind

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

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

MMWFRS loads based on trusses located at least 43.30 ft. from roof edge.



R-81 PLF U=21 PLF W=24-5-0

 $RL=2/-4\text{ PLF}$

Note: All Plates Are 1.5X3 Except As Shown.

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.

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety Information, by IPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing and shoring to support the trusses until the roof and wall framing is in place. Unless noted otherwise, top chord bracing is required for all trusses shown for permanent lateral restraint. All trusses shall be installed per BCSP sections 83, 87 or 810, as applicable.

The Building Components Group Inc. (IBACOG) shall not be responsible for any deviation from the drawings and specifications. The manufacturer would be responsible for any shipping and handling charges. Apply plates to each face of truss and position as shown above and on details. Details, unless noted otherwise. Refer to drawings 160A-7 for standard plate positions. A drawing or cover page listing this drafting. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any purpose is the responsibility of the Building Designer. Please visit our Website: www.ibacog.com. IBACOG: www.ibacog.com; NICA: www.nica-usa.org

ALPINE

W Building Components Group Inc.

Haines City, FL 33844

FL. COA #0 278

11/28/2011

SPACING 24.0"

REF- 1UHF487_Z03

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

1110 mph wind, 22.32 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=2.0 psf. Iw=1.00 GCpf (+/-)=0.18

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

Left end vertical not exposed to wind pressure.

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

Refer to DWG PB1200310 for piggyback details.

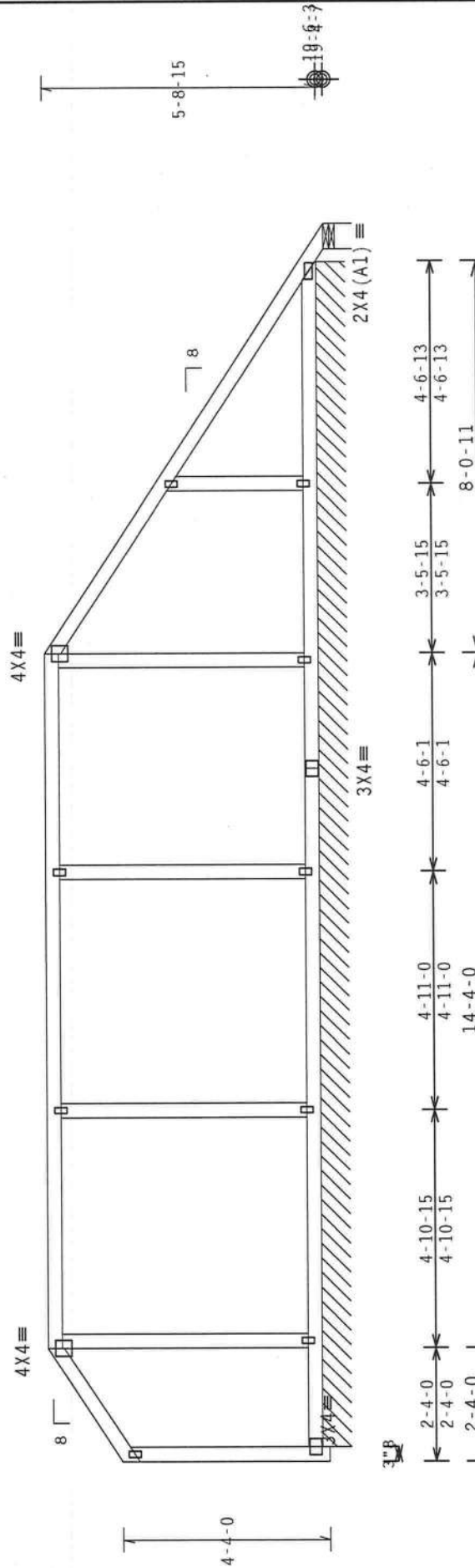
Special loads

	Dur. Fac. = 1.25 / Plate Dur. Fac. = 1.25	
----- (Number	64 p/f at 0.00 to	64 p/f at 2.33 to
TC- From	64 p/f at 2.33 to	64 p/f at 16.67
TC- From	64 p/f at 16.67 to	64 p/f at 25.50
BC- From	4 p/f at 0.00 to	4 p/f at 25.50

Left and right cantilevers are exposed to wind

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

MWFRS loads based on trusses located at least 44.63 ft. from roof edge.



9-7E DIE 11-17 DIE W=24-5-0

R1-4/-6 PIF

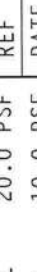
Note: All Plates Are 1.5X3 Except As Shown.

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

PIT TYP. Wave

FL 1-141-1-1R/- Scale = .3125"/Ft.

PLT Typ. Wave



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844

DATE: 11/28/11

REF: R487 - - 61488

****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 latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBG) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/APA 1, or for handling, shipping, installing, bracing of trusses. Apply plates and bracing as indicated on drawings. Do not alter the design or drawings 100-2 for standard plate positions. A seal on this drawing on 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/APA 1 Sec.2. For more information see: This Job's general notes page: ITW-BG: www.itwbg.com; IPI: www.spint.org; WICA: www.sbcindustry.com;

11/28/2011

(11-209--Fill in later BOB JORDAN --, ** - BP4)

Top chord 2x4 SP #2 Dense :T1 2x4 SP #1:

Bot chord 2x4 SP #2 Dense

Webs 2x4 SP #3

Negative reaction(s) of -224# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 22.98 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=2.0 psf. 1w=1.00 GCP1(+/-)-0.18

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

Left end vertical not exposed to wind pressure.

Refer to DWG PB1200310 for piggyback details.

Special loads

- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
- TC- From 64 plf at 0.00 to 64 plf at 4.33
- TC- From 64 plf at 4.33 to 64 plf at 14.67
- TC- From 64 plf at 14.67 to 64 plf at 25.50
- BC- From 4 plf at 0.00 to 4 plf at 25.50

Left and right cantilevers are exposed to wind

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

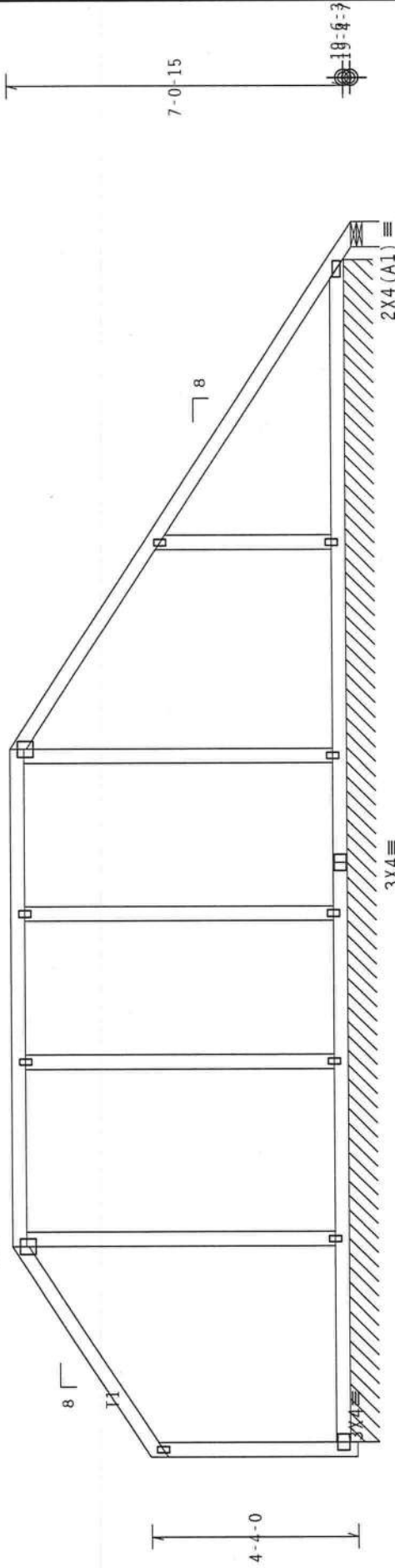
Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 45.96 ft. from roof edge.

4X4=

4X4=

3X4=



3" B

5-9-13

5-9-13

10-0-11

4-2-15

4-2-15

3-5-1

3-5-1

3-1-0

3-1-0

3-9-15

3-9-15

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

4-4-0

R=224 RW=74 U=123 W=6.31"

R=80 PLF U=16 PLF W=24-5-0

RL=5/-7 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD

FT/RT=10% (0%)/0 (0)

PLT TYP. Wave

1003. No. 022839

FL/-4/-/-R/-

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.

Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) practices prior to performing these functions.

Installers shall provide temporary bracing for all trusses.

Unless noted otherwise, top chord shall have permanent lateral bracing for all trusses.

Bottom chord shall have permanent lateral bracing for all trusses.

Trusses shall be braced in accordance with BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the

design shown on this drawing. The suitability and use of this design for any structure is

the responsibility of the Building Designer per ANSI/TPI 1 Section 1.6.2. For more information see: This Job's

general notes page: ITW-BCSI: www.itwbcg.com; TPI: www.tpiinc.org; WICA: www.wicaindustries.com;

ICC: www.iccsafe.org



REF	R487--	61489
DATE	11/28/11	
DRW	HCUSR487	11332085
HC-ENG	DF/DF	
SEQN	245733	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UHF487_Z03	

(11-209--F11) in later BOB JORDAN -- , ** - GPG)

Top chord 2x4 SP #2 Dense :T2 2x4 SP #1:

Bot chord 2x4 SP #2 Dense

Webbs 2x4 SP #3

110 mph wind, 22.45 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=2.0 psf. Iw=1.00 GCp1(+/-)=0.18

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

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

Refer to DWG PB1200310 for piggyback details.

Special loads

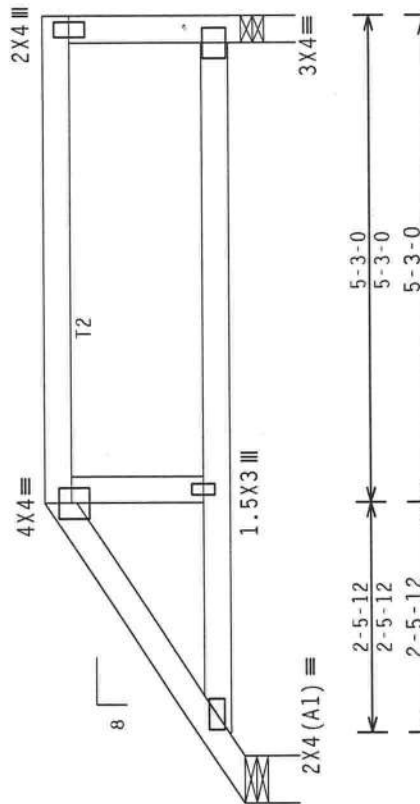
-----Lumber Dur.Fac.=1.25 / plate Dur.Fac.=1.25)
TC- From 64 plf at 0.00 to 64 plf at 3.25
TC- From 64 plf at 3.25 to 64 plf at 8.50
BC- From 4 plf at 0.00 to 4 plf at 8.50

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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

MWFRS loads based on trusses located at least 22.45 ft. from roof edge.



8'-6-0 Over 2 Supports

R=284 U=55 W=6.31"

RL=47/-26

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

PLT TYP. Wave

10.03. No. 0602839

WALTER R. FINN
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER

11/28/2011

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487 --	61490
TC DL	10.0 PSF	DATE	11/28/11	
BC DL	10.0 PSF	DRW	HCUSR487	11332030
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN	245768	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UHF487_Z03	

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.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses shall be installed in accordance with the latest edition of BCSI (Building Component Safety Information, by TPI and NKA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have bracing installed per BCSI sections 85, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown for any reason. The user of this design shall be responsible for the safety and bracing of trusses. Apply plates and bolts as shown. Refer to drawings 1600-2 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. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NKA: www.nkaindustry.com; ICC: www.iccsafe.org

(11-209--Fill in later BOB JORDAN -- , ** - H17AP)

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

110 mph wind, 22.37 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=2.0 psf. IW=1.00 GCPI(+/-)=0.18

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

MMFRS loads based on trusses located at least 11.19 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber
TC- From Dur.Fac.-1.25 / plate Dur.Fac.=1.25
64 plf at 0.00 to 64 plf at 2.00
TC- From 64 plf at 2.00 to 64 plf at 24.50
TC- From 64 plf at 24.50 to 64 plf at 26.50
BC- From 4 plf at 0.00 to 4 plf at 26.50

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

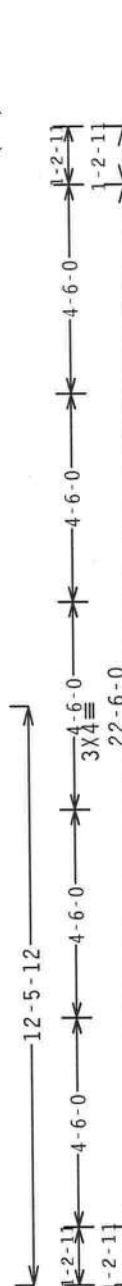
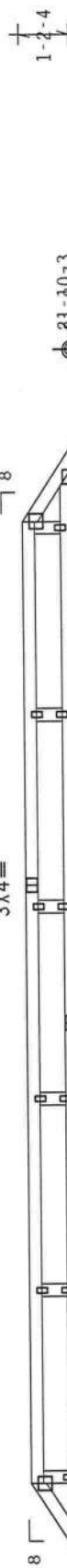
4X4=

2X4 (A1) =

4X4=

3X4=

2X4 (A1) =



R-24 U-13 W=6.31"

RI-80928LF U-18 PLF W=24-11-7

Note: All Plates Are 1.5X3 Except As Shown.

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

PLT TYP. Wave

Scale = .25" / Ft.

1003. No. 002839

1003. No. 002839

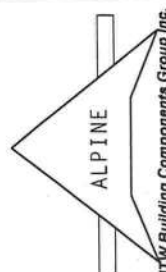
1003. No. 002839

1003. No. 002839

1003. No. 002839

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

TC LL	20.0 PSF	REF R487 - -	61491
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332051
BC LL	0.0 PSF	HC-ENG	DF / DF
TOT.LD.	40.0 PSF	SEQN-	246237
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UHF487_Z03



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



11/28/2011

(11-209--Fill in later BOB JORDAN -- . ** - H19AP)

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

110 mph wind, 23.04 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=2.0 psf. IW=1.00 GCPI (+/-)=0.18

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

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

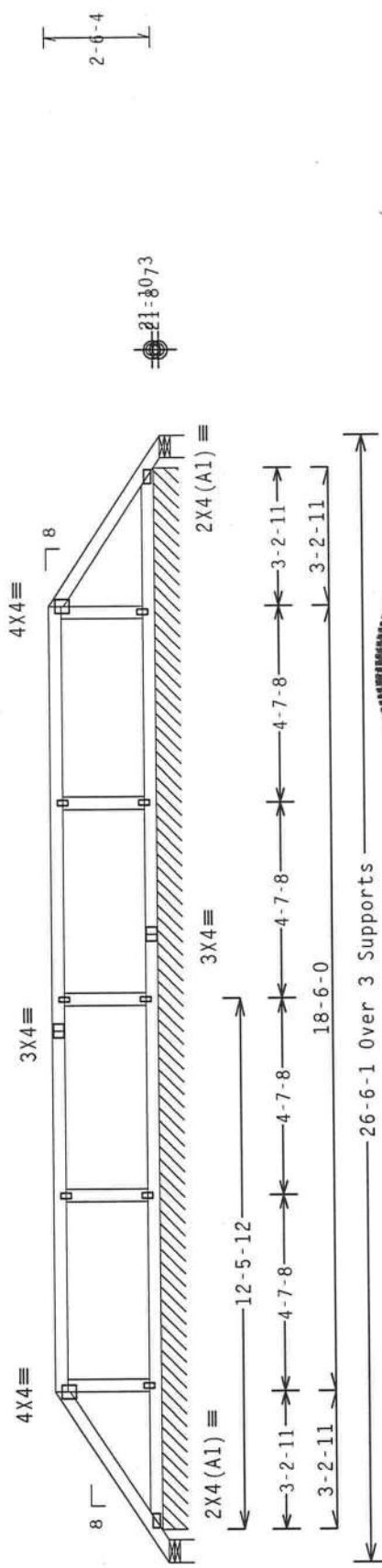
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber
Dur.Fac.=1.25 / plate Dur.Fac.=1.25)
TC- From 64 plf at 0.00 to 64 plf at 4.00
TC- From 64 plf at 4.00 to 64 plf at 22.50
TC- From 64 plf at 22.50 to 64 plf at 26.50
BC- From 4 plf at 0.00 to 4 plf at 26.50

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

MWFRS loads based on trusses located at least 11.52 ft. from roof edge.



R=14 Rw=14 U=17 W=6.309"

R=14 Rw=49 U=52 W=6.31"
RL=8 1/2 26RLF U=16 PLF W=24-11-7

Note: All Plates Are 1.5X3 Except As Shown.

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

PLT TYP. Wave

Scale = .25" / Ft.

TC LL	20.0 PSF	Q1	1	FL / - / 4 / - / R / -
TC DL	10.0 PSF	DATE	11/28/11	REF R487 - - 61492
BC DL	10.0 PSF	DRW	HCUSR487 11332062	
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN	246247	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UHF487_Z03	



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. Installers shall provide temporary bracing for BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from bracing of trusses. Apply plates to each face of truss and position as shown on drawings. Details, unless noted otherwise, shall be as shown on drawings. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: IITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; NICA: www.bcindustry.com; ICC: www.iccsafe.org

ALPINE

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

(11-209--Fill in later BOB JORDAN --, ** - H25AP)

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 all flat TC @ 24" OC, all BC @ 24" OC.

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

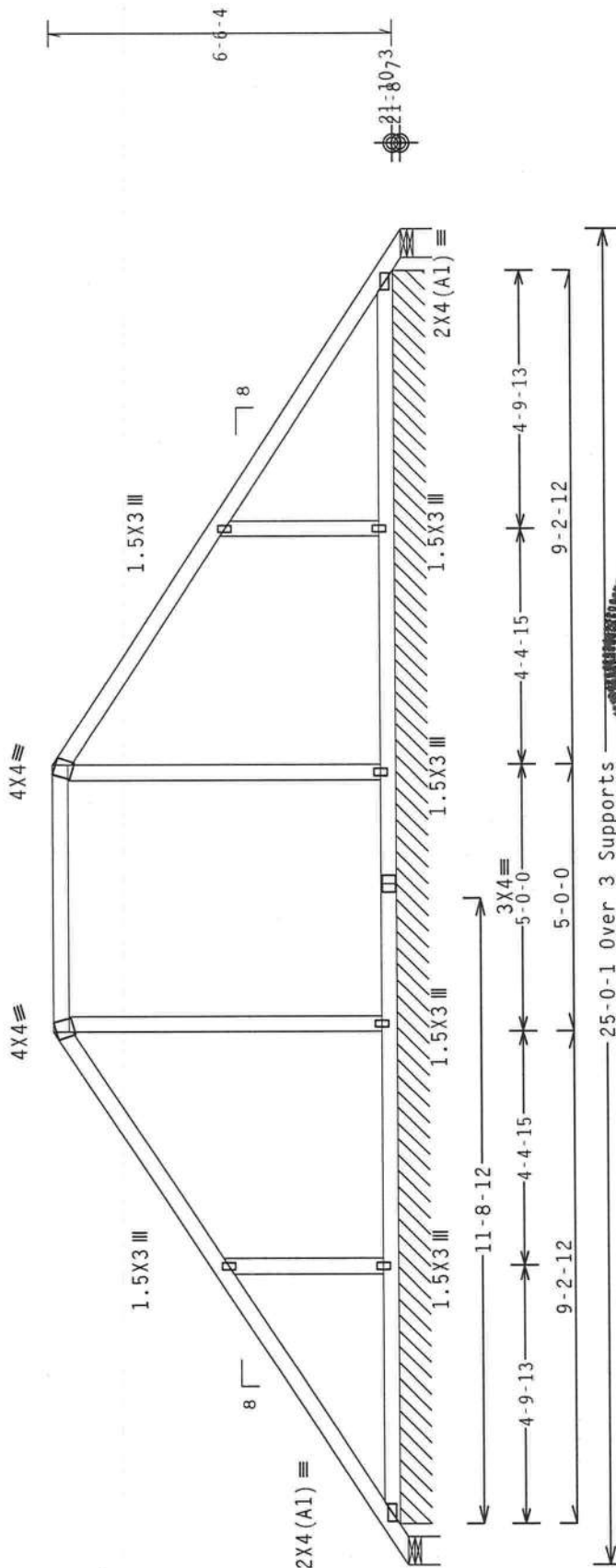
Refer to DWG PB1200310 for piggyback details.

110 mph wind, 25.04 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=2.0 psf. Iw=1.00 Gcpl(+/-)=0.18

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

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

MWFRS loads based on trusses located at least 25.04 ft. from roof edge.



R=76 Rw=123 U=139 W=6.31"
RL=1807 180F U=13 PLF W=23-5-7

R=75 Rw=36 U=50 W=6.309"

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

PLT TYP. Wave

FL/-4/-/-R/-

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R487 -- 61493
TC DL	10.0 PSF	DATE	11/28/11
BC DL	10.0 PSF	DRW	HCUSR487 11332009
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	246279
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UHF487_Z03

10.03. NO. 28399

WALTER P. FINN
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER

11/28/2011

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 latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Connections shall be made in accordance with the BCSI section 8.1, 8.2 or 8.10, 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 accordance with this design. The responsibility 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.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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

(11-209--Fill in later 808 JORDAN -- , ** - H27AP)

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

110 mph wind, 25.70 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=2.0 psf. Iw=1.00 GCp1(+/-)=0.18

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

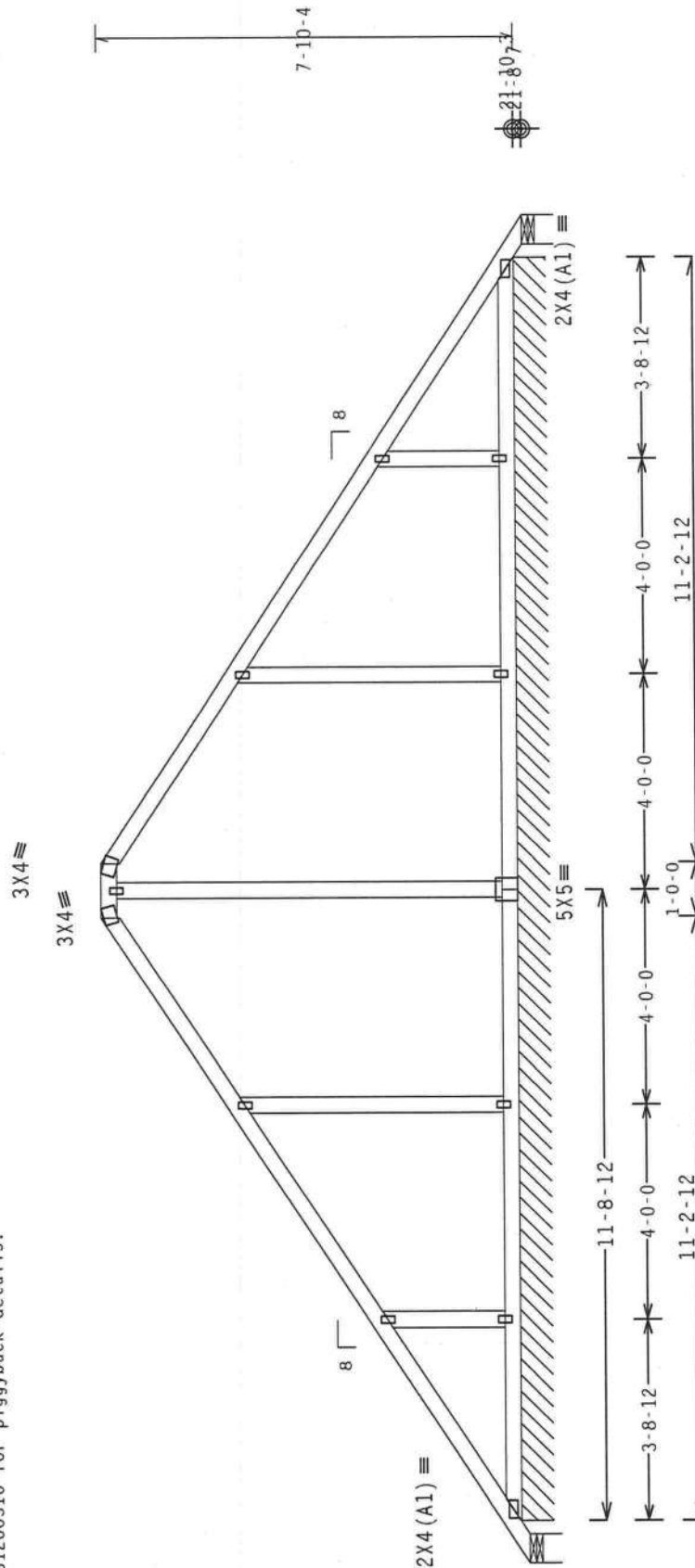
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

MWERS loads based on trusses located at least 25.70 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

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

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



D = -27 P.W. = 125 H = 124 W = 6 31"

RL=10385103F U=11 PLF W=23-5-7

Note: All Plates Are 1.5X3 Except As Shown.

P	I	T	TYP	Wave
Design Crit: FBC2007Res/TPI-2002 (STD)				
FT/RT=10%(0%)/0(0)				

PLT TYP. Wave

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

TC LL	20.0	PSF	REF R487-- 61494
TC DL	10.0	PSF	DATE 11/28/11
BC DL	10.0	PSF	DRW HCUR487 11332093
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 246443
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UHF487_Z03

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

****IMPORTANT****

IMPORTANT: FURNISH THIS DESIGN TO ALL COMPANIES INVOLVED IN PROJECT.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety) Information, by American Institute of Steel Construction, Inc., for complete details on proper bracing for steel trusses prior to performing the connections. Properly attached structural sheathing and bottom chord bracing are required for the stability of the truss. The bottom chord bracing must be installed on all trusses. The top chord bracing must be installed on all trusses. The bottom chord bracing shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (IBCBG) shall not be responsible for any deviation from this drawing. The manufacturer shall be responsible for any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installation, 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 IBCA-2 for standard plate positions. A seal on this drawing indicates acceptance of professional engineering responsibility for this design. The seal of the engineer responsible for this drawing is on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The seal of the engineer responsible for this drawing is on the drawing or cover page listing this drawing. The seal of the engineer responsible for this drawing is on the drawing or cover page listing this drawing. This job's responsibility is the responsibility of: IBCB-BCG: new-11nbg.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; CE: www.15c3safe.org

ALPINE

NTW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

11/28/2011

(11-209--Fill in later BOB JORDAN -- , ** - AP)

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

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

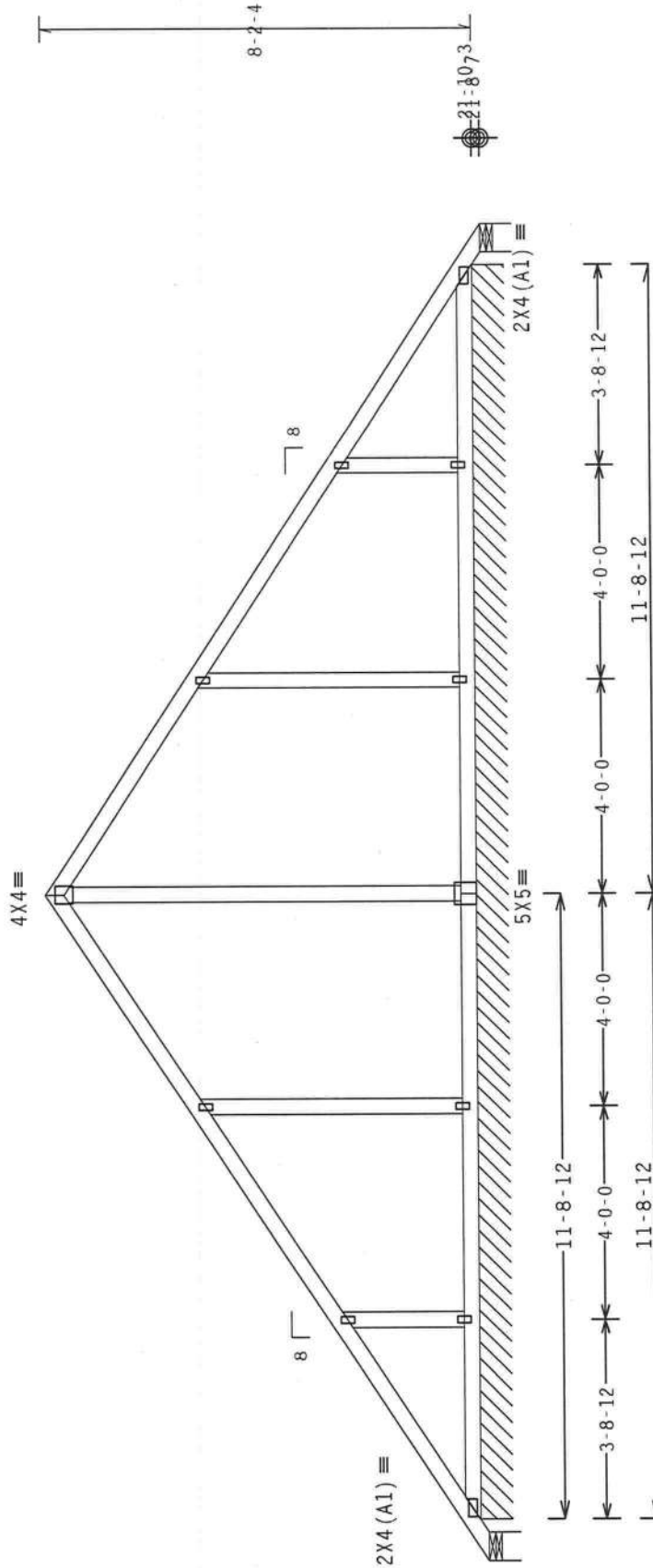
Deflection meets L/240 live and L/180 total load.

Refer to DWG PB1200310 for piggyback details.

110 mph wind, 25.87 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=2.0 psf. lw=1.00 GCpl(+/-)=0.18

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

MWFRS loads based on trusses located at least 25.87 ft. from roof edge.



R=31 Rw=130 U=129 W=6.31"
RL=2049620UF U=11 PLF W=23-5-7

Note: All Plates Are 1.5X3 Except As Shown.

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

PLT TYP. Wave

Scale = .3125" / Ft.

REF R487 -- 61495

DATE 11/28/11

DRW HCUSR487 11332012

HC-ENG DF/DF

SEQN- 246440

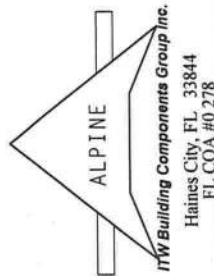
JREF- 1UHF487_Z03



IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET!

PURSH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from 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 trusses in positions shown. A seal on details, unless noted otherwise, 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: IITW-BCG: www.iitwbcg.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org



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

(11-209--Fill in later BOB JORDAN -- , ** - H21AP)

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

11110 mph wind, 23.70 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=2.0 psf. Iw=1.00 GCpt (+/-)=0.18

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

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

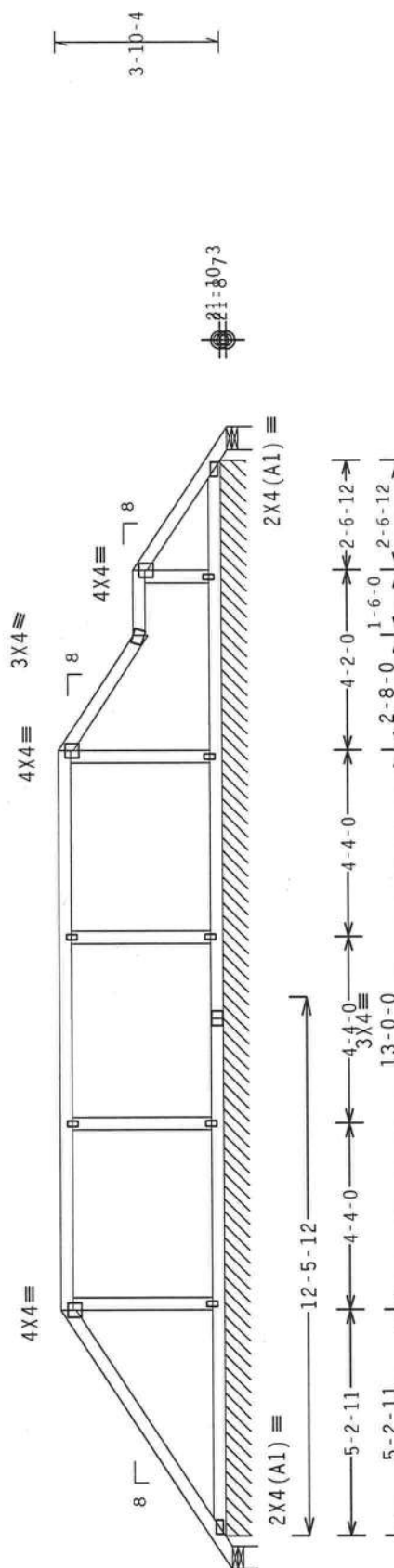
WWFERS loads based on trusses located at least 11.85 ft. from roof edge.

refer to DWG PB1200310 for piggyback details.

Special loads
-----/lumber

----- (Lumber	Dur. Fac.=1.25 /	Plate Dur.Fac.=1.25)
TC-From	64 plf at 0.00 to	64 plf at 6.00
TC-From	64 plf at 6.00 to	64 plf at 19.00
TC-From	64 plf at 19.00 to	64 plf at 21.67
TC-From	64 plf at 21.67 to	64 plf at 23.17
TC-From	64 plf at 23.17 to	64 plf at 25.50
BC-From	4 plf at 0.00 to	4 plf at 25.50

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



P = 153 P.W. = 90 H = 116 W = 6 31"

K=133 KW=30 U=110 W=0.31
RI=1779 PLF U=17 PLF W=24-11-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit.: FBC2007Res/TPI-2002(STP)

PLOT 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. Follow the latest edition of BCSP (Building Component Suppliers) Manual for bracing, burlap and WCA's instructions prior to erection. Components shall be properly attached to provide temporary bracing. The top chord shall have a properly attached structural sheathing and burlap. The bottom chord shall have bracing installed per BCSP sections 83, 87 or 810, as applicable. Restraints shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

[illegible]

general notes page: 1
 FCC: www.fccsafe.org

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R487-- 61496
TC DL	10.0	PSF	DATE 11/28/11
BC DL	10.0	PSF	DRW HCUSR487 11332047
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 246307
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UHF487_Z03

R=-.5 RW=10 IL=6 W=6 309"

26-6-1 Over 3 Supports

Design Crit.: FBC2007Res/TPI-2002(STP)

FT/RT=10%(0%)/0(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. Follow the latest edition of BCSP (Building Component Suppliers) Manual for bracing, burlap and WCA's instructions prior to erection. Components shall be properly attached to provide temporary bracing. The top chord shall have a properly attached structural sheathing and burlap. The bottom chord shall have bracing installed per BCSP sections 83, 87 or 810, as applicable. Restraints shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

[illegible]

general notes page: 1
 FCC: www.fccsafe.org

(11-209--Fill in later BOB JORDAN -- , ** - H23AP)

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

110 mph wind, 24.37 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=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

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

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

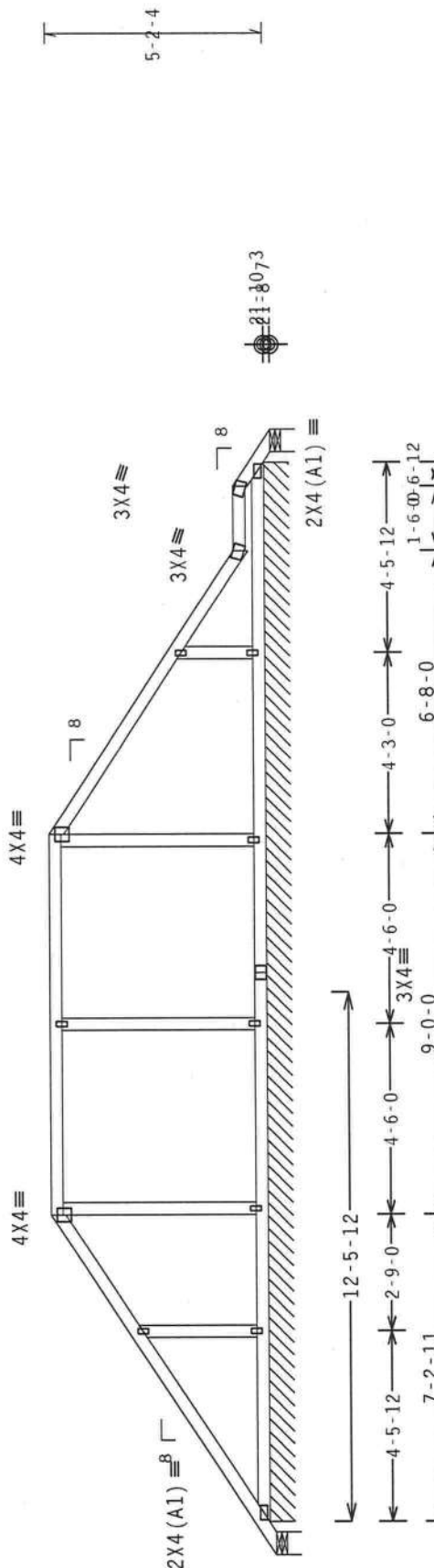
MWFRS loads based on trusses located at least 24.37 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

Special loads

----- (Lumber
TC- From Dur.Fac.=1.25 / plate Dur.Fac.=1.25)
64 plf at 0.00 to 64 plf at 8.00
TC- From 64 plf at 8.00 to 64 plf at 17.00
64 plf at 17.00 to 64 plf at 23.67
TC- From 64 plf at 23.67 to 64 plf at 25.17
TC- From 64 plf at 25.17 to 64 plf at 26.50
BC- From 4 plf at 0.00 to 4 plf at 26.50

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



R=92 Rw=101 U=120 W=6.31"

RL=227-1226 U=14 PLF W=24-11-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD

FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale =.25"/Ft.

10.03. No. 022839

FL/-4/-/-R/-

REF R487-- 61497

DATE 11/28/11

DRW HCUSR487 11332066

HC-ENG DF/DF

SEQN- 246324

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UHF487_Z03

WALTER P. FINN
LICENSE
10.03. No. 022839

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

11/28/2011

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(11-209--Fill in later BOB JORDAN -- , ** - AGP)

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

110 mph wind, 24.37 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=2.0 psf. 1w=1.00 GCp1(+/-)-0.18

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

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

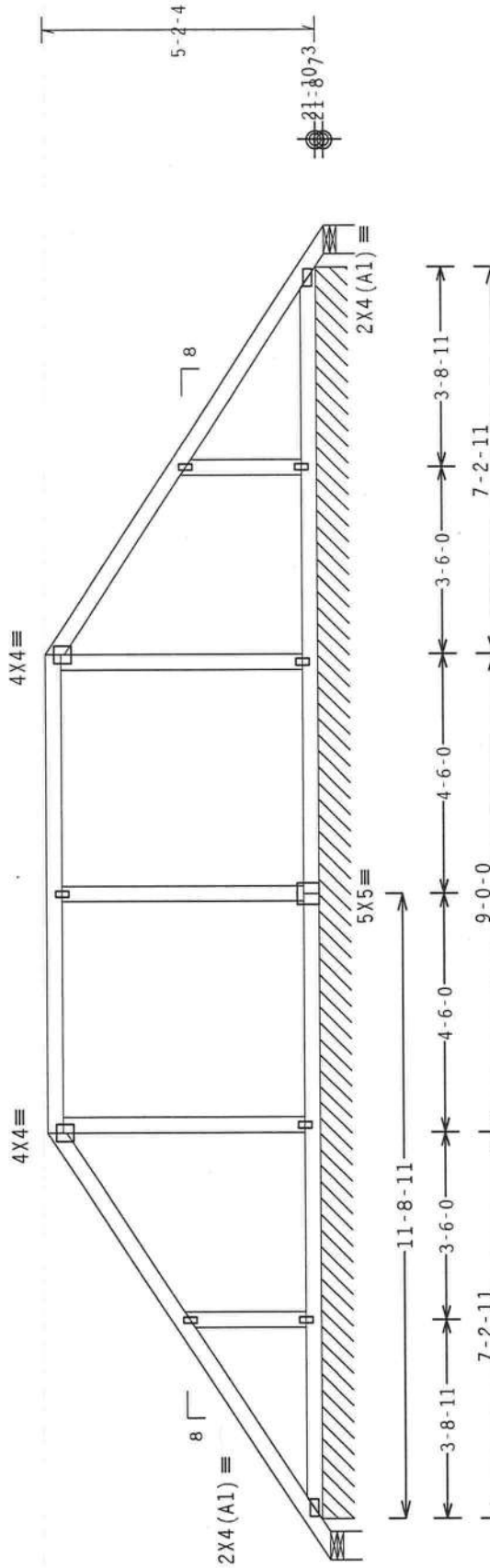
Refer to DWG PB1200310 for piggyback details.

Special loads

----- (Lumber
Dur.Fac.=1.25 / plate Dur.Fac.=1.25)
TC- From 64 plf at 0.00 to 64 plf at 8.00
TC- From 64 plf at 8.00 to 64 plf at 17.00
TC- From 64 plf at 17.00 to 64 plf at 25.00
BC- From 4 plf at 0.00 to 4 plf at 12.50
BC- From 4 plf at 12.50 to 4 plf at 25.00

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

MMFRS loads based on trusses located at least 48.74 ft. from roof
edge.



R=-33 Rw=86 U=93 W=6.31"
RL=126/74 106F U=12 PLF W=23-5-6

Note: All Plates Are 1.5X3 Except As Shown.

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

R=-33 Rw=17 U=22 W=6.31"

PLT TYP. Wave

Scale = .3125"/Ft.

REF	R487--	61498
DATE	11/28/11	
DRW	HCUSR487	11332083
HC-ENG	DF/DF	
SEQN-	246382	
DUR.FAC.	1.25	
SPACING	24.0"	

FL/-	4/-	/-R/-	QTY	10.03	No. 0602839
TC LL	20.0	PSF			
TC DL	10.0	PSF			
BC DL	10.0	PSF			
BC LL	0.0	PSF			
TOT.LD.	40.0	PSF			
DUR.FAC.	1.25				
SPACING	24.0"				

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. Trusses and bracing shall be installed in accordance with the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 restraining shall have bracing installed per BCSI sections 93, 97 or 816, as applicable.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from the any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing and bracing of trusses. Apply plates as shown on drawings. Refer to drawings 1000-2 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. For more information see: This Job's general notes page: IITW-BCG: www.iitwbcg.com; IPI: www.spinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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



(11-209--Fill in later BOB JORDAN -- , ** - EP)

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

110 mph wind, 21.10 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=2.0 psf. lw=1.00
6Cp1(+/-)=0.18

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

Refer to DWG PB1200310 for piggyback details.

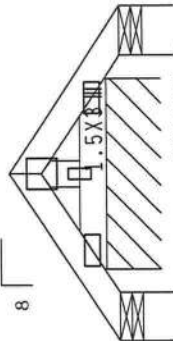
Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 64 plf at 0.00 to 64 plf at 1.81
TC- From 64 plf at 1.81 to 64 plf at 3.61
BC- From 4 plf at 0.00 to 4 plf at 3.61

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

4X4=

8



2X4 (A1) =

28-6-12

1-0-11

3-7-6 Over 3 Supports

R-19 U=9 W=6.31" R=19 U=9 W=6.31"
RL=25/R283 PLF U=21 PLF W=2-0-12

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

PLT TYP. Wave

Scale = .5" / Ft.

10.03. No. 022839

10.03. No. 022839

10.03. No. 022839

10.03. No. 022839

10.03. No. 022839

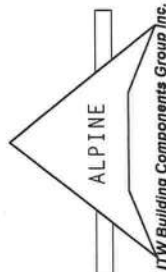
10.03. No. 022839

10.03. No. 022839

IMPORTANT** 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. It is the responsibility of the truss manufacturer to provide the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from this design for trusses. Apply plates to each face of top chord 180s-2 for standard plate positions. A seal on the details 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. 6. For more information see: This job's general notes page: IITW-BCG: www.iitwbcg.com; TPI: www.tpinst.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org



REF	R 487 - -	61499
DATE	11/28/11	
DRW	HCUSR487	11332020
HC-ENG	DF/DF	
SEQN	246871	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UHF487_Z03	

(11-209--Fill in later BOB JORDAN -- , ** - EPGE)

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

110 mph wind, 20.93 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=2.0 psf. IW=1.00
GCPI (+/-)-0.18

Wind loads and reactions based on MMFRS with additional C&C member design.
Refer to DWG PB1200310 for piggyback details.

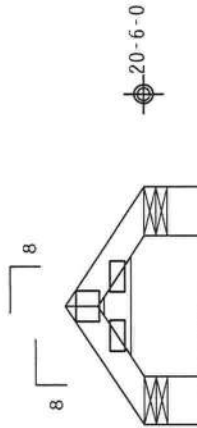
Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 64 plf at -0.74 to 64 plf at 0.54
TC- From 64 plf at 0.54 to 64 plf at 1.82
BC- From 4 plf at -0.74 to 4 plf at 1.82

Left and right cantilevers are exposed to wind

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

3X4=



2X4 (A1) =

2X4 (A1) =

0-6-0-6-7

2'-6-12 Over 2 Supports

R=69 U=20 W=6.31"

R=69 U=20 W=6.31"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STE
FT/RT=10%(0%)/0(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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IW Building Components Group Inc. (IWBCG) shall not be responsible for any deviation from any failure to build the truss in accordance with ANSI/HFMA 1.1 for handling, transporting, erecting, installing, or dismantling. Refer to drawings 1600-2 for standard plate positions. A seal or 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: IIN-B00: www.iwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

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



10.03	04.0601.16	QT	1	FL/-/4/-/R/-	Scale = .5"/Ft.
TC LL	20.0 PSF	REF	R487--	61500	
TC DL	10.0 PSF	DATE	11/28/11		
BC DL	10.0 PSF	DRW	HCSR487	11332078	
BC LL	0.0 PSF	HC-ENG	DF/DF		
TOT.LD.	40.0 PSF	SEQN-	246799		
DUR.FAC.	1.25				
SPACING	24.0"	JREF-	1UHF487_Z03		

0-8-8

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

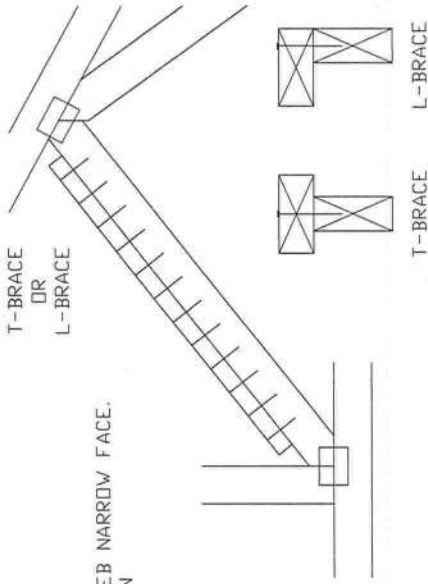
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

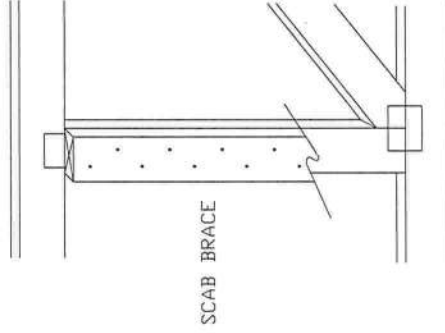
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 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



Building Components Group Inc.

Earth City, MO 63045

WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. This detail is for use in fabricating, shipping, installing and bracing. Refer to any applicable building code for details. Follow BCSI Building Component Safety Information, by TPI and VICA for safety practices when performing these functions. Installers shall provide temporary bracing per BCSI. Unless otherwise noted, all bracing shall be installed in accordance with the BCSI Building Component Safety Information. Top chord shall have properly attached structural panels and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs are for bracing installed per BCSI sections B3 & B7. See this job's general notes page for more details.

IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from design, any failure to build the truss in conformance with TPI, or fabricating, shipping, installing and bracing of trusses. ITWBCG connector plates are made of 6061-T6 aluminum and are not to be used in place of steel. Apply plates to each face of truss, positioned as shown on joint details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per AISI/TPI 1 Sec 2. ITW-BCG www.itwbcg.com, TPI www.tpiinc.com, VICA www.vicainc.com, ICD www.icdsafe.org



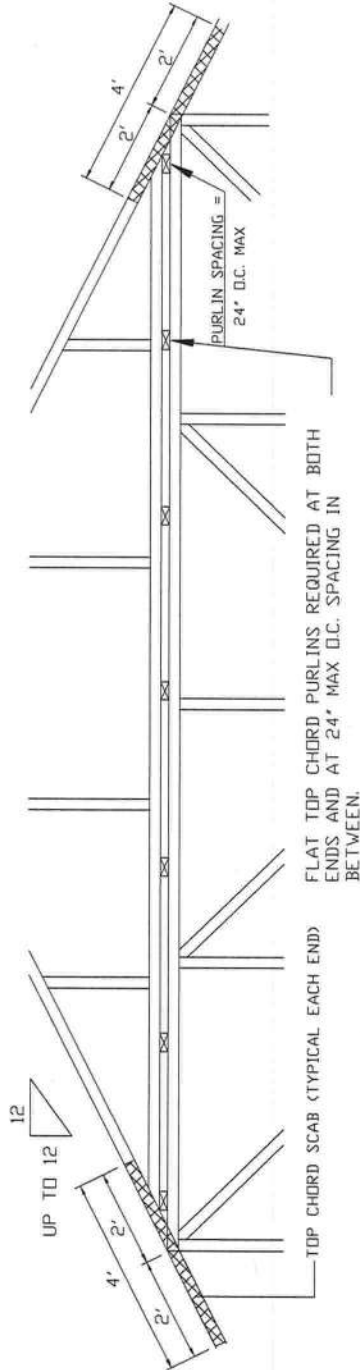
TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

UP TO 120 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND DL= 5.0 PSF (MIN), Kzt=1.0.

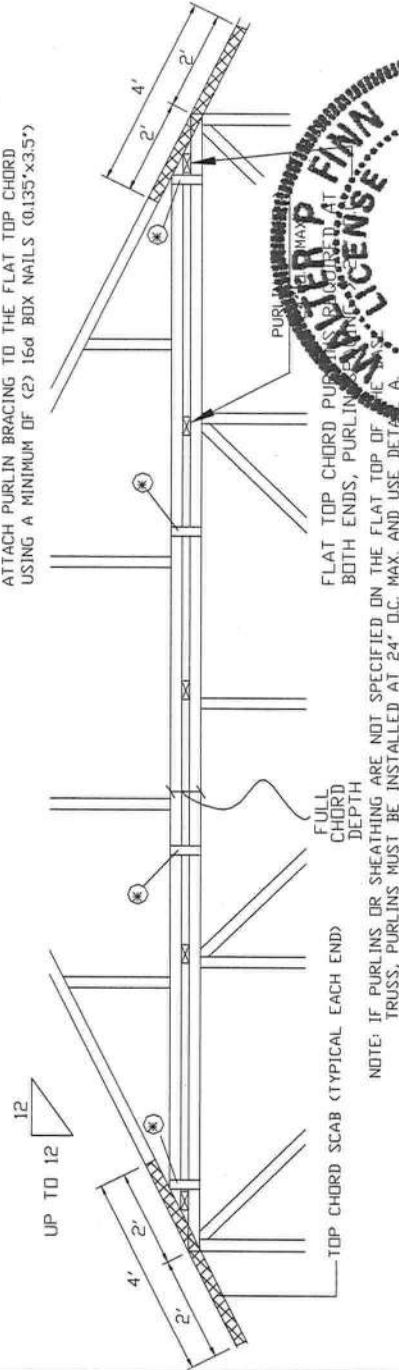
NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR ANY OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS, AND LATERAL BRACING FOR OUT OF PLANE LOADS OVER GABLE ENDS.

*** REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR PIGGYBACK AND BASE TRUSS SPECIFICATIONS.

DETAIL A : PURLIN SPACING = 24" O.C. OR LESS



DETAIL B : PURLIN SPACING > 24" O.C.



NOTE: IF PURLINS OR SHEATHING ARE NOT SPECIFIED ON THE FLAT TOP OF THE TRUSS, PURLINS MUST BE INSTALLED AT 24" O.C. MAX. AND USE DETAIL A.

WARNING READ AND FOLLOV ALL NOTES ON THIS SHEET

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following resources for more information on these topics:

- Follow BCESI Building Component Safety Information, by TPI and VITCA. For safety practices when performing these functions.
- Installers shall provide temporary bracing per BCESI.
- Otherwise, top chord shall have properly attached structural panels and bottom chord shall properly attached rigid ceiling.
- Locations shown for permanent lateral restraint of webs all along the length of the truss.
- Bracing installed per BCESI sections B3 & B7. See this job's general notes page for more information.

■ ■ ■ IMPORTANT ■ ■ ■ FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from design, any failure to build the truss in conformance with IPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2018/16GA (W/H/S) A572M steel. Apply plates to each face of truss, positioned as shown on drawings. Grade 30/40/60 (K/M/H/S) galv. steel. Details on Joint.

A seal on this drawing or cover page indicates acceptance and 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.

ITW-BGC www.itwbgc.com TPI www.tpinet.com VTCA www.vtcaindustry.com ICC www.iccsafe.org

Earth City, MO 63045

★ IN ADDITION, PROVIDE CONNECTION WITH ONE OF THE FOLLOWING METHODS:

[illegible]

USE 3x8 TRULUX PLATES FOR 2x4 CHORD MEMBER, AND 3x10 TRULUX PLATES FOR 2x6 AND LARGER CHORD MEMBERS. ATTACH TO EACH FACE @ 8" O.C. WITH (4) 0.120"x1.375" NAILS INTO CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. TRULUX PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

APA RATED GUSSET

8"x8"x7/16" (MIN) APA RATED SHEATHING GUSSETS (EACH FACE) ATTACH @ 8' O.C. WITH (8) 6d COMMON (0.113"x2") NAILS PER GUSSET, (4) IN CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. GUSSETS MAY BE STAGGERED 4' O.C. FRONT TO BACK FACES.

2x4 VERTICAL SCARS

2x4 SPF #2, FULL CHORD DEPTH SCABS (EACH FACE).
ATTACH @ 8' O.C. WITH (6) 10d BOX NAILS (0.128"x3")
PER SCAB, (3) IN CAP BOTTOM CHORD AND (3) IN
BASE TRUSS TOP CHORD. SCABS MAY BE STAGGERED
4' O.C. FRONT TO BACK FACE.

28PR WAVE PIGGYBACK PLATE

ONE 28PB WAVE PIGGYBACK PLATE TO EACH FACE @ 8' O.C. ATTACH TEETH TO PIGGYBACK AT TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120"x1.375" NAILS PER FACE PER PLY. PIGGYBACK PLATES MAY BE STAGGERED 4' O.C. FRONT TO BACK FACES.

REF PIGGYBACK

DATE 03/15/10

DRWG PB1200310

SPACING 24.0"