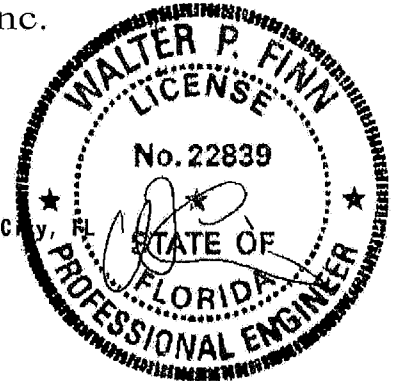


ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
 Florida Engineering Certificate of Authorization Number 0 278
 Florida Certificate of Product Approval # FL1999
 Page 1 of 1 Document ID 1V2T487-Z0207082342



01/07/2014

Truss Fabricator **Anderson Truss Company**
 Job Identification **13-296A--BRYAN ZECHER /Greenbrier 1087F - Willia -- Lake City, FL**
 Truss Count **66**
 Model Code **Florida Building Code 2010**
 Truss Criteria **FBG2010Res/TPI-2007(STD)**
 Engineering Software **Alpine Software, Version 12.03.**
 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 - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -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: HCUSR9114

Walter P. Finn
 -Truss Design Engineer-

1950 Marley Drive
 Haines City, FL 33844

Details: BRCLBSUB-12015EC1-GBLLETIN-GABRST10-12030EC1-DEFLCAMB-PB16010-CNNAILSP-

#	Ref	Description	Drawing#	Date
1	19080--A	25'4" Common	14007001	01/07/14
2	19081-A1	12'9"8 Common	14007002	01/07/14
3	19082--AGE	25'4" Gable	14007036	01/07/14
4	19083-B	38'4" Stepdown	14006042	01/06/14
5	19084-B1	38'4" Stepdown	14006056	01/06/14
6	19085-BG	38'4" Stepdown	14007037	01/07/14
7	19086--C	34'10" Common	14007003	01/07/14
8	19087--C1	33'4" Common	14007004	01/07/14
9	19088-CGE	34'10" Gable	14007005	01/07/14
10	19089--CJ1	1' Jack	14006045	01/06/14
11	19090--CJ3	3' Jack	14006044	01/06/14
12	19091--CJ3A	3' Jack	14006053	01/06/14
13	19092--CJ5	5' Jack	14006043	01/06/14
14	19093--CJ5A	5' Jack	14007006	01/07/14
15	19094-D1	39'2"8 Stepdo	14007007	01/07/14
16	19095--D10	47' Special	14007008	01/07/14
17	19096--D11	47' Special	14007009	01/07/14
18	19097-D2	39'2"8 Stepdo	14007010	01/07/14
19	19098-D3	39'2"8 Stepdo	14007011	01/07/14
20	19099-D4	47' Stepdown	14007012	01/07/14
21	19100--D5	47' Special	14007013	01/07/14
22	19101--D6	47' Special	14007014	01/07/14
23	19102--D7	47' Special	14007015	01/07/14
24	19103--D8	47' Special	14007016	01/07/14
25	19104--D9	47' Special	14007017	01/07/14
26	19105--EJ7	7' End Jack	14006046	01/06/14
27	19106-H11	38'4" Stepdo	14006055	01/06/14
28	19107-H11A	51' Stepdown	14007018	01/07/14
29	19108-H13	38'4" Stepdo	14006058	01/06/14
30	19109-H13A	47' Stepdown	14007019	01/07/14
31	19110-H15	38'4" Stepdo	14006063	01/06/14
32	19111-H15A	47' Stepdown	14007020	01/07/14
33	19112-H17	38'4" Stepdo	14006065	01/06/14
34	19113-H17A	47' Stepdown	14007021	01/07/14
35	19114-H19A	47' Stepdown	14007022	01/07/14
36	19115-H7	38'4" Stepdown	14006047	01/06/14

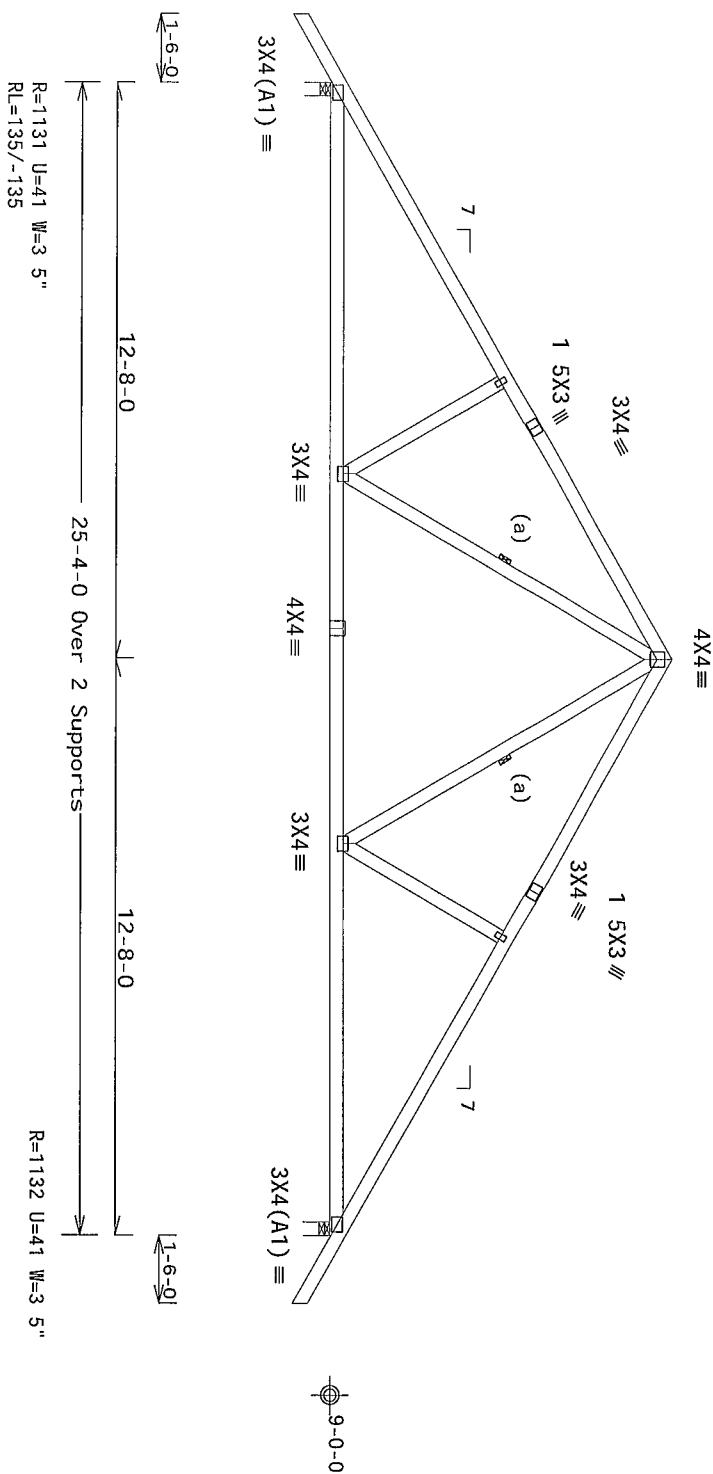
#	Ref	Description	Drawing#	Date
37	19116-H7A	51' Stepdown	14006052	01/06/14
38	19117-H9	38'4" Stepdown	14006050	01/06/14
39	19118-H9A	51' Stepdown	14006051	01/06/14
40	19119-HJ7	9'10"13 Hip	14006048	01/06/14
41	19120-HJ7A	9'10"13 Hip	14006060	01/06/14
42	19121--J10	9'10"8 Mono	14006062	01/06/14
43	19122--J10B	9'10"8 Mono	14006061	01/06/14
44	19123--J7	6'10"8 End Ja	14006068	01/06/14
45	19124--J7B	7' End Jack	14007023	01/07/14
46	19125--MH11	47' Common	14006064	01/06/14
47	19126--MH13	47' Common	14006059	01/06/14
48	19127--MH15	47' Common	14007024	01/07/14
49	19128-MH17	47' Mono Hi	14007025	01/07/14
50	19129-MH19	47' Mono Hi	14007026	01/07/14
51	19130-MH7	48'10" Mono	14007039	01/07/14
52	19131-MH9	48'10" Commo	14006049	01/06/14
53	19132-MHG10	9'10"8 Mon	14007038	01/07/14
54	19133-PBA1	20'10"7 Ste	14007027	01/07/14
55	19134-PBA10	32'2"4 Mon	14007028	01/07/14
56	19135-PBA2	20'10"7 Ste	14007029	01/07/14
57	19136-PBA3	20'10"7 Ste	14007030	01/07/14
58	19137-PBA4	20'10"7 Ste	14007031	01/07/14
59	19138-PBA5	16'10"7 Com	14007032	01/07/14
60	19139-PBA6	13'11"5 Com	14006066	01/06/14
61	19140-PBA7	15'10"1 Ste	14007033	01/07/14
62	19141-PBA8	11'10"1 Ste	14007034	01/07/14
63	19142-PBA9	30'5"11 Mon	14007035	01/07/14
64	19143-PBB1	8'2"7 Stepd	14006057	01/06/14
65	19144-PBB2	8'2"7 Commo	14006054	01/06/14
66	19145-PBB3	8'2"7 Commo	14006067	01/06/14

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP1(+/-)=0 18

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

(a) Continuous lateral restraint equally spaced on member



PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(Std) FT/RT=10%(0%)/0(0)
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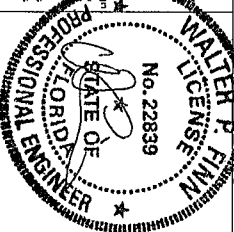
12.03.04 08:26:13

QTY:11 FL/-/5/-/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc
Orlando FL, 32837
FL COA #0278

[illegible]

TC LL	20.0 PSF	REF	R9114- 19080
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14007001
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	338351
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487 Z02

(13-296A--BRYAN ZECHER /Greenbrier 1087F - Willia -- Lake City FL - A1 12 9 8 Common)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Left end vertical not exposed to wind pressure

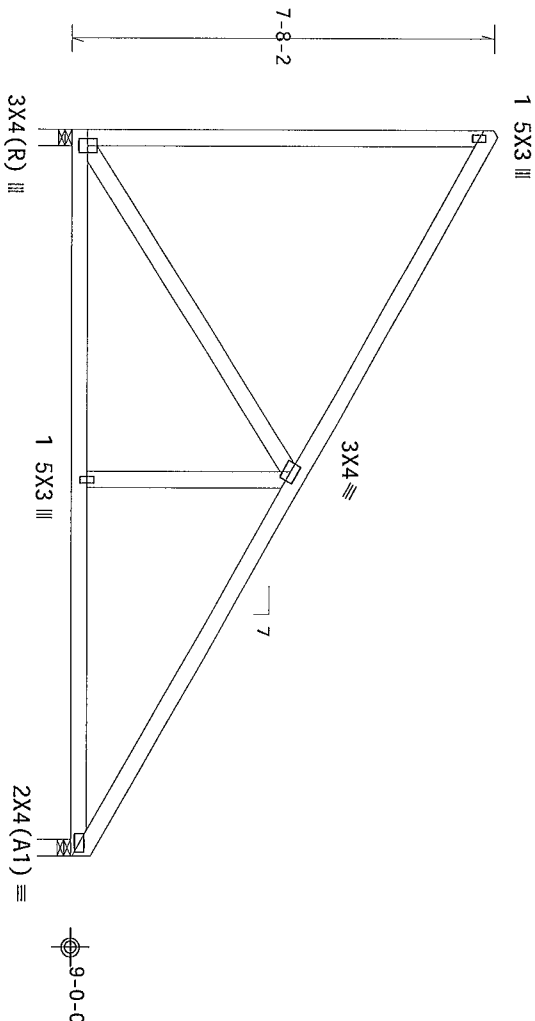
Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf,
wind BC DL=5.0 psf GCPI(+/-)=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

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



12-9-8 Over 2 Supports
R=482 U=3 W=3.5"
RL=28/-81
R=493 U=0 W=3.5"

PLT TYP Wave

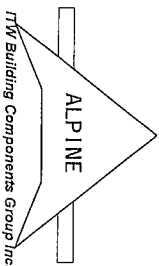
Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04.02.13

QTY: 1 FL/-/5/-/-/R/-

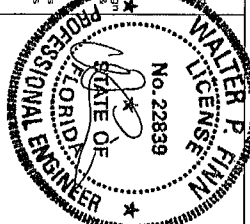
Scale = .3125"/Ft.

ALPINE



Orlando, FL 32837
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, shipping, installing and bracing. Refer to and
follow the latest edition of BCSI (Building Component Safety) Information on TP1 and WTCA 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 of webs
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/TP1-1 or for handling, shipping, installation,
or bracing of the truss. The user of this design shall be responsible for the design and the joint
details unless noted otherwise. Refer to drawings for details of connections and bracing. The user
drawing or cover page listing this design shall be the authority and use of this design for any structure is
the responsibility of the building designer per ANSI/TP1-1 Sec 2. For more information see This Job's
general notes page. ITW BCG www.ltwbcg.com TP1 www.tp1inst.org WTCA www.sbcindustry.com
ICC www.iccsafe.org



TC LL	20.0 PSF	REF R9114-19081
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14007002
BC LL	0.0 PSF	HC-ENG JB/WMP
TOT LD	37.0 PSF	SEQN- 338355
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V2T487_Z02

01/07/2014

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

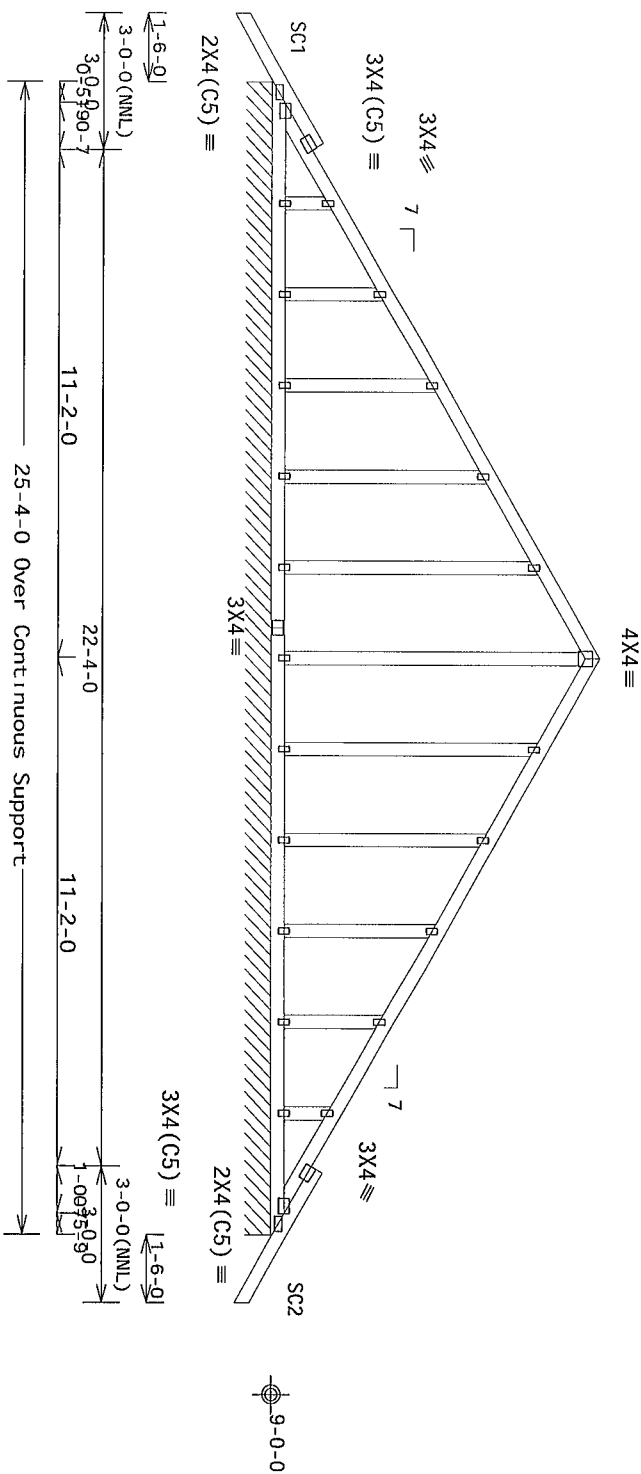
Webs 2x4 SP #3-13B

Stack Chord SC1 2x4 SP #1-13B Stack Chord SC2 2x4 SP #1-13B

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements

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 noticable area using 3x6 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



R=193 PLF U=21 PLF W=25-4-0
RL=12/-12 PLF

Note All Plates Are 1 5X3 Except As Shown

PLT TYP	Wave	Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0)/0(0)
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12.03.04

QTY:1

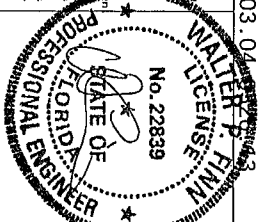
FL--/5/--/R/

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~01/07/2014~~

TC LL	20 0 PSF	REF	R9114- 19082
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	HCUSE114 14007036
BC LL	0.0 PSF	HC-ENG	JB/MPP
TOT.LD	37 0 PSF	SEQN-	338347
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bid, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

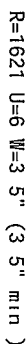
(a) Continuous lateral restraint equally spaced on member

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 (creep increase factor for dead load is 1.50)

MMFRS loads based on trusses located at least 15 00 ft from roof edge



Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
1.1.1.1	100%
1.1.1.2	100%
1.1.1.3	100%
1.1.1.4	100%
1.1.1.5	100%
1.1.1.6	100%
1.1.1.7	100%
1.1.1.8	100%
1.1.1.9	100%
1.1.1.10	100%
1.1.1.11	100%
1.1.1.12	100%
1.1.1.13	100%
1.1.1.14	100%
1.1.1.15	100%
1.1.1.16	100%
1.1.1.17	100%
1.1.1.18	100%
1.1.1.19	100%
1.1.1.20	100%
1.1.1.21	100%
1.1.1.22	100%
1.1.1.23	100%
1.1.1.24	100%
1.1.1.25	100%
1.1.1.26	100%
1.1.1.27	100%
1.1.1.28	100%
1.1.1.29	100%
1.1.1.30	100%
1.1.1.31	100%
1.1.1.32	100%
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1.1.1.36	100%
1.1.1.37	100%
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1.1.1.41	100%
1.1.1.42	100%
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1.1.1.44	100%
1.1.1.45	100%
1.1.1.46	100%
1.1.1.47	100%
1.1.1.48	100%
1.1.1.49	100%
1.1.1.50	100%
1.1.1.51	100%
1.1.1.52	100%
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1.1.1.60	100%
1.1.1.61	100%
1.1.1.62	100%
1.1.1.63	100%
1.1.1.64	100%
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1.1.1.70	100%
1.1.1.71	100%
1.1.1.72	100%
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1.1.1.74	100%
1.1.1.75	100%
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1.1.1.82	100%
1.1.1.83	100%
1.1.1.84	100%
1.1.1.85	100%
1.1.1.86	100%
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1.1.1.89	100%
1.1.1.90	100%
1.1.1.91	100%
1.1.1.92	100%
1.1.1.93	100%
1.1.1.94	100%
1.1.1.95	100%
1.1.1.96	100%
1.1.1.97	100%
1.1.1.98	100%
1.1.1.99	100%
1.1.1.100	100%

12.03 04 03 26 13

QTY-3 FL/-/5/-/-/R/-

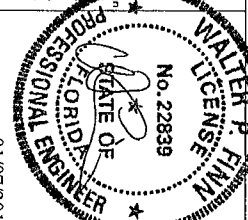
Scale = 1875"/Ft.

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

At D 1817

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114 - 19083
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	H05R9114 14006042
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT LD	37 0 PSF	SEQN-	337628
DUR.FAC.	1.25	FROM	JMMW
SPACING	24 0"	JREF-	1V2T487_Z02

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

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member
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

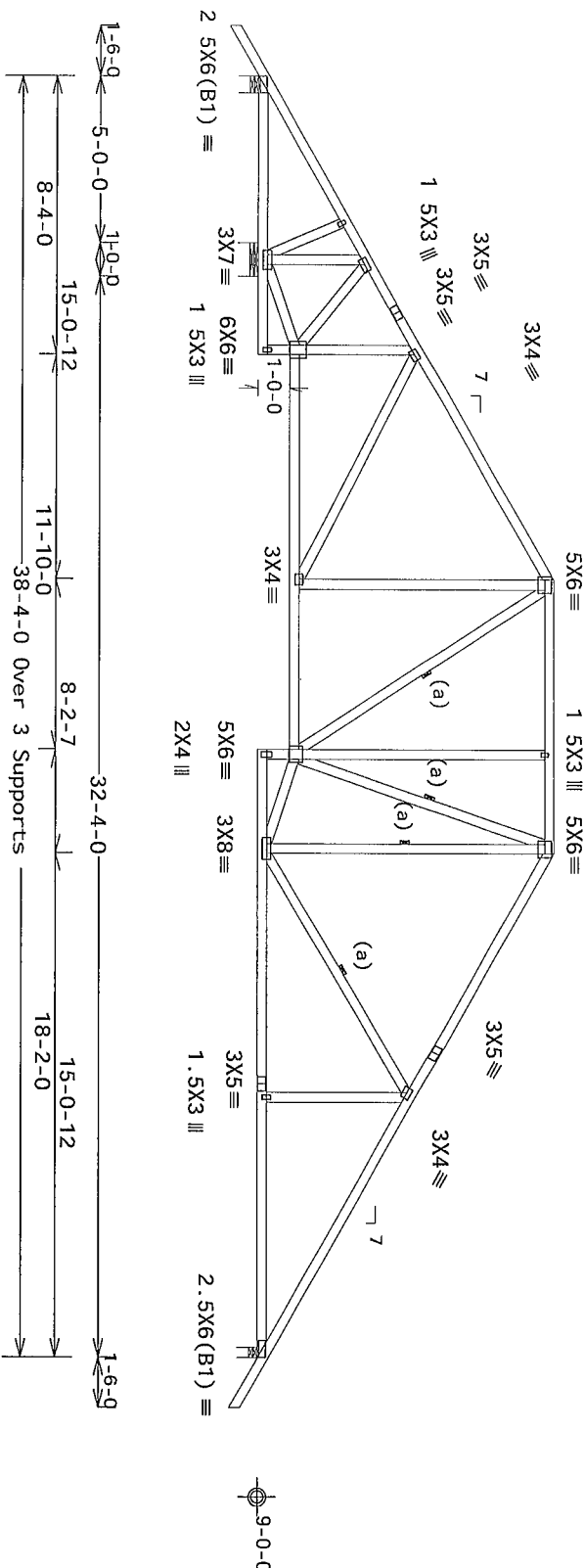
Negative reaction(s) of -23.7# MAX (See below) from a non-wind load case requires uplift connection

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP(+/-)=0.18

Wind loads and reactions based on MMFRS 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

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



R=122/-237 U=77 W=6" (6' min)
RL=163/-163 R=1941 U=0 W=12' (12 min)

R=1321 U=0 W=3 5" (3 5' min)

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

12.03 04 082613

QTY:1

FL/-/5/-/-/R/-

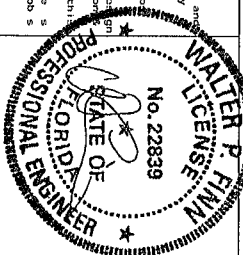
Scale = .1875"/Ft

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

2017

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0 278



~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114 - 19084
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	H05R9114 14006056
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT LD	37.0 PSF	SEQN-	337606
DUR. FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487_Z02

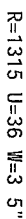
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 44 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf Gcp1(+/-)=0 18

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

(a) Continuous lateral restraint equally spaced on member

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



Design Crit FBC2010Res/TP1-2007(STD)

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

12 03.04.2013

QTY:1 FL/-/5/-/-/R/-

Scale = 1875"/Ft.

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

Trussing requires extreme care in fabricating and hanging an p.g. retailing and brace ng. Refer to section 10.0 for more information. To ensure proper installation, follow the following steps:

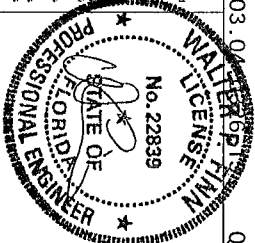
1. Review the latest edition of BCSI's Building Component Safety Information on by TPI and WTCN) for safety information and details.
2. Verify that the trussing system is compatible with the building's design and loading conditions.
3. Obtain the necessary permits and approvals from the local building department.
4. Prepare the trussing system in accordance with the manufacturer's instructions and the building code.
5. Install the trussing system in accordance with the manufacturer's instructions and the building code.
6. Inspect the trussing system after installation to ensure it is properly installed and meets the required safety standards.

Trussing is a critical component of a building's structural system and must be installed correctly to ensure the safety and integrity of the structure. Following these steps will help ensure a successful installation.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278



TC LL	20 0 PSF	REF	R9114 - 19086
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	H0USR9114 14007003
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	338342
DUR.FAC	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487_Z02

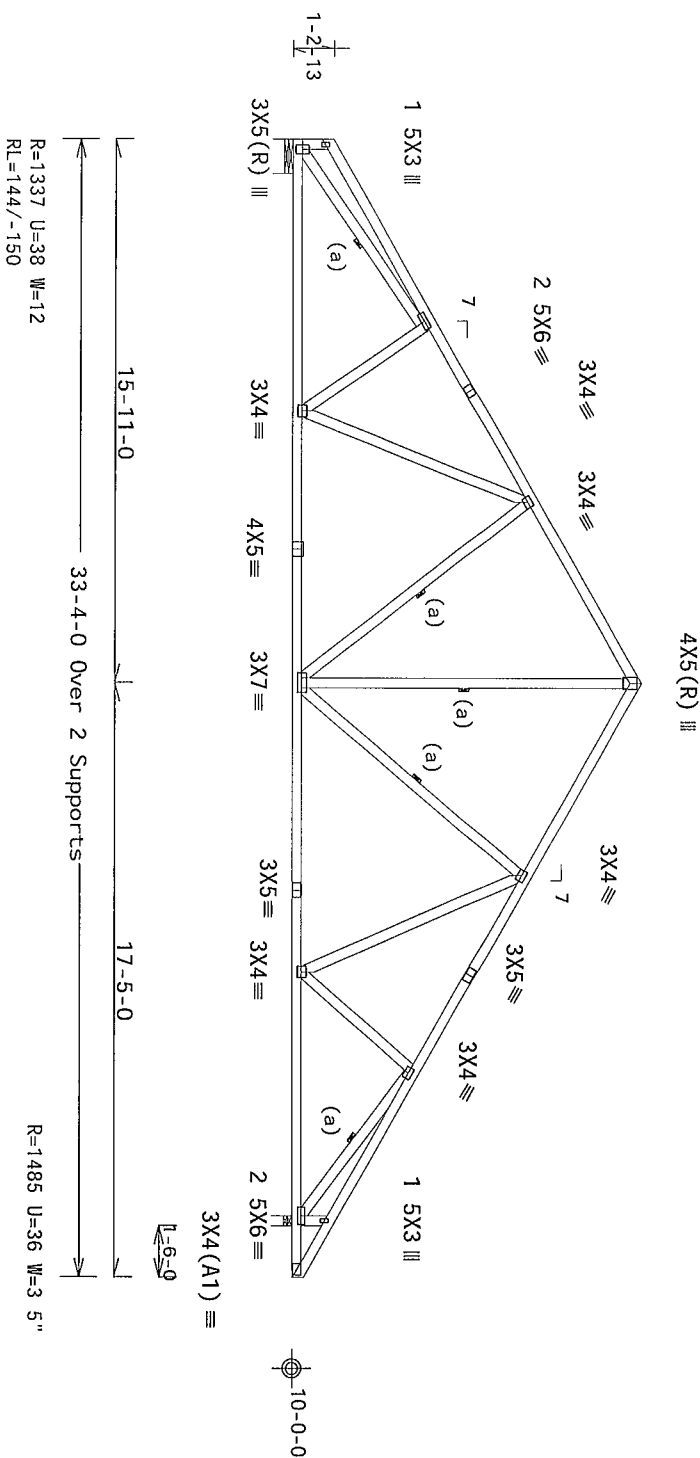
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 44 ft mean hgt, ASCE 7-10, CLOSED bid, not located within 4 50 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

(a) Continuous lateral restraint equally spaced on member

Bottom chord checked for 10 00 psf non-concurrent live load
Deflection meets $L/240$ live and $L/180$ total load Creep increase
factor for dead load is 1 50



Scale = .1875"/Ft



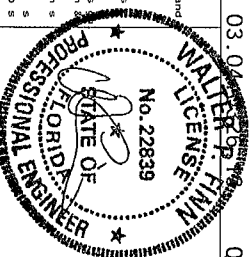
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**

Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to another section of the Manual for details.

Tenants requiring entrance care a fair cuting handeling setting and bracing refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and ATCA) for safety practices prior to performing these functions. Insulators shall provide temporary bracing per BCSI unless noted otherwise as top chord shall have properly attached structural shafting and bottom chord shall have brace guyed or supported by other means. All members shall be braced at all points where they will have a netted load per BCSI section 83.07 or B10 as applicable.

ITW Bu-Id ng Components Group (ITWBOC) shall not be responsible for any deviation from this design or specification. The design and specification are the property of ITW Bu-Id ng Components Group. Any failure to build the Truss in conformance with the ANSI/TPI-1 or for handling, shipping, installation or bracing of trusses. Apply plates to each face of trusses and position as shown above and on the Joist. The design or cover plates listing this drawing and all classes and conditions of products shall be the responsibility of the designer. The use of this drawing and use of the design for any structure shall be the responsibility of the Building Designer. Per ANSI/TPI-1 Sec 2 For more information on see this job general notes page. ITW BOC www.itwbcg.com TPI www.tpi.net WTCA www.stc-industry.com



2 FL/-/5/-/-/R/-		Scale = .1875"/Ft
TC LL	20 0 PSF	REF R9114- 19087
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUR9114 14007004
BC LL	0.0 PSF	HC-ENG JB/MPF
TOT. LD.	37.0 PSF	SEQN- 338334
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V2T487_Z02

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

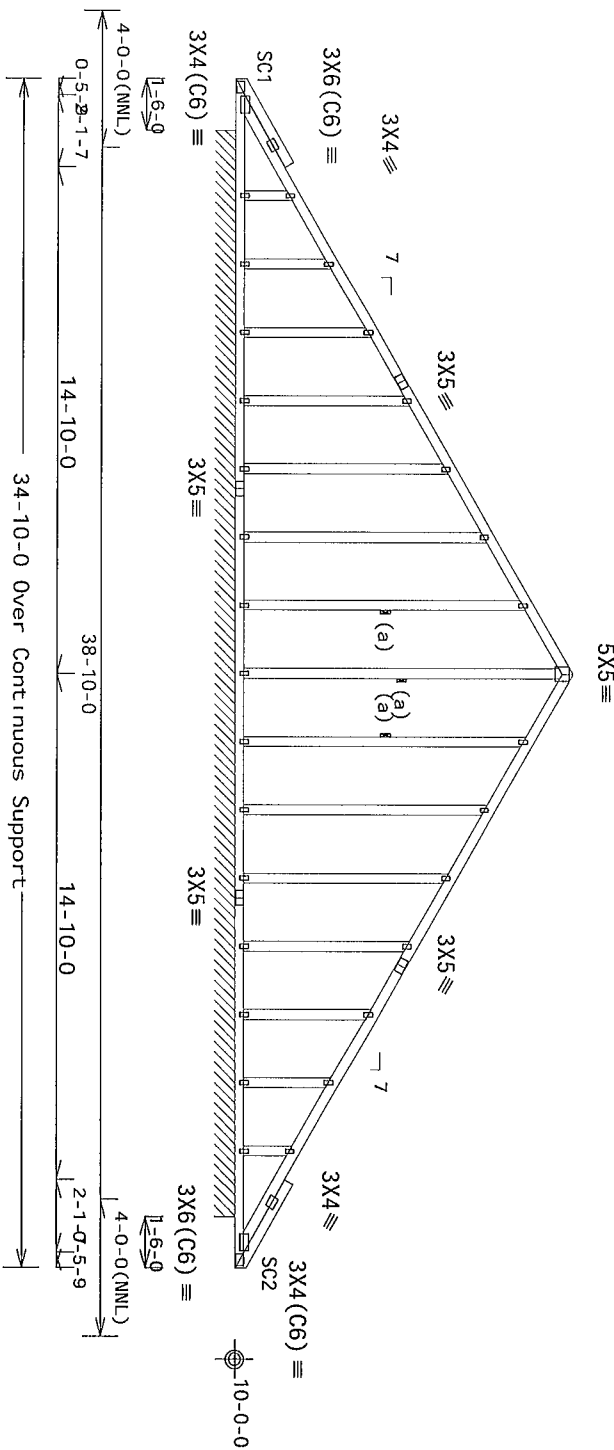
See DWGS A12030ENC100212, GBLLET1N0212, & GABRST100212 for more requirements

Left and right cantilevers are exposed to wind

Stacked top chord must NOT be notched or cut in area (NML). 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.

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

Gable end supports 8 max rake overhang



R=83 PLF U=1 PLF W=31-10-0
RL=5/-5 PLF

Note All Plates Are 1 5X3 Except As Shown

PLT_TYP	Wave	Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
---------	------	-------------	--


12.03 04 0336 13 QTY:1 FL/-/5/-/-/R/-

Scale = .1875"/Ft

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

Insurers require a firm name on a fabricating handling slip, mg. and bracing. Refer to the following the latest edition of BCSI (Building Component Safety Information by TPI and WTA) for safety practice and prior to performing these functions. Insulators shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural bracing and bottom chord shall have a properly attached 2" x 4" cut. Local ones shown for permanent lateral restraint or where shall have brace installed per BCSI sec 8.87 or 8.10 as appl. cable.

ITW Building Components, Group Inc. (ITWBCG) shall not be responsible for any design or construction of a building or structure, or any failure to build the truss in conformance with ANSI/TPI-1 or for handling, shipping, metalizing or coating of trusses. Apply plates to each face of truss and position as shown above and on the Joist Bracing of trusses. Refer to drawings 160A-2 for standard plate positions. A seal on the truss, unless noted otherwise. The suitability and use of the truss in design and construction is the responsibility of the Building Designer. For more information see ANSI/TPI-1 Sec 2. This job 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.tpi.net.org WTCA www.ibtca.org
ITC www.locate.org



ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom, separated by two stars. The inner circle contains the name "WALTER P. FINN" at the top, "LICENSE" at the bottom, and the license number "No. 22839" in the center. A stylized signature is written across the seal.

TC LL	20.0 PSF	REF	R9114- 19088
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	H05R9114 14007005
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	338320
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487_Z02

(13-296A--BRYAN ZECHER /Greenbrier 1087F - Willia -- Lake City, FL - CJ1 1 Jack)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf 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 Creep increase
factor for dead load is 1 50

R=-51 Rw=18 U=37 (1 5' min)



1-6-0-0
1-0-0 Over 3 Supports

R=232 U=30 W=3 5 (3 5' min)
RL=24

PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12 03 04 09 26 13

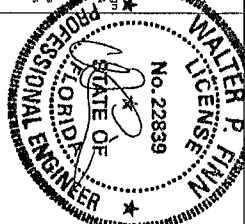
QTY: 10 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.
Orlando FL 32837
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 and bracing. Refer to and
follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTCI for safety
instructions 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 r/gid ceiling. Locations shown for permanent lateral restraint of wood
shall have bracing indicated 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 trusses in conformance with ANSI/TP1 1 or for handling, shipping, installation,
or bracing. The user shall be responsible for the design and construction of the structure. A seal on the
drawing or cover page listing the design shall be provided. The user shall be responsible for the design and
construction of the structure. The user shall be responsible for the design and construction of the structure.
Details unless noted otherwise. Refer to drawings 1004-2 for standard plate positions. A seal on the
drawing or cover page listing the design shall be provided. The user shall be responsible for the design and
construction of the structure. The user shall be responsible for the design and construction of the structure.
general notes page ITW-BDC www.tlbbag.com www.tlbbag.com WTCI www.structure.com This job is
IDC www.tlbbag.com



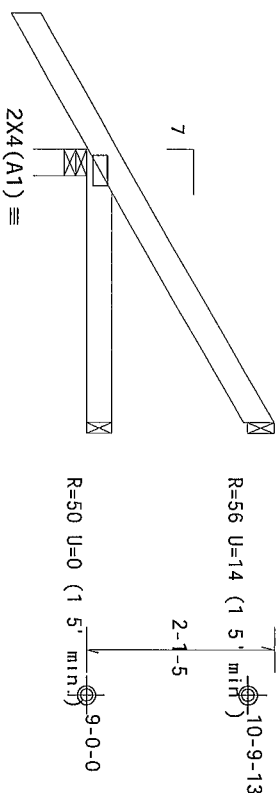
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BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	337580
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V2T487_Z02

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

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP1(+/-)=0.18



1-6-0
3-0-0 Over 3 Supports

R=240 U=11 W=3 5' (3 5" min)
RL=43/-23

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

12.03.04

QTY:23 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

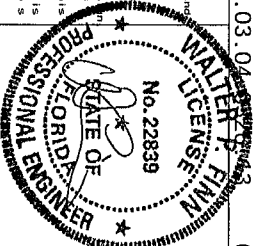
*****IMPORTANT*** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

Trusseurs require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety) Information by TPI and WTCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Units are notched otherwise so that chord shall have properly attached structural sheathing and become chord shall have bracing notched per BCSP sect one 83, 87 or 810 as appl. cable.

17B Building Components Group Inc. (17B/BCG) shall not be responsible for any damage from a design failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint. Deck is unless notched otherwise. Refer to drawings 160A-2 for standard plate posit on. A seal on this drawing of cover plate 1 stating this drawing indicates acceptance of professional seal meeting the responsibility. By of the Building Drawing per ANSI/TPI 1, Sect 2. For more information on seal the responsibility. By of the Building Drawing per ANSI/TPI 1, Sect 2. For more information on seal

general notes page 17B-BGC www 17bdcg.com TPI www tpi net org WTCO www wtc industry com

17C www 17ccare org



~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19090
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCSR9114 14006044
BC LL	0.0 PSF	HC-ENG	SSB/WIPF
TOT.LD.	37.0 PSF	SEQN-	337585
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V2T487_Z02

(13-296A--BRYAN ZECHEER /Greenbrier 1087F - Willia -- Lake City, FL - C/J3A 3' Jack)

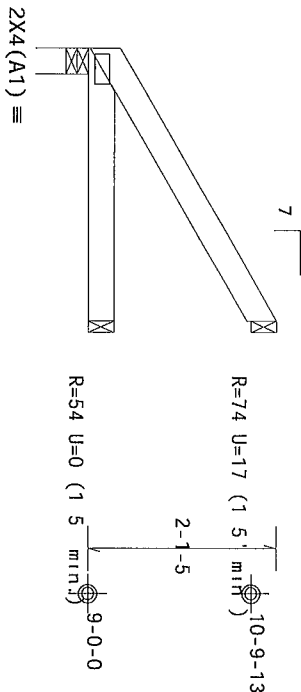
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B

Lumber grades designated with '13B' use design values approved
1/30/2013 by ALSC

Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf 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 Creep increase
factor for dead load is 1 50



3-0-0 Over 3 Supports
R=120 U=0 W=3 5' (3 5' min)
RL=28

PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)

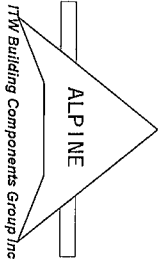
FT/RT=10%(0%)/0(0)

12.03.04

QTY:1 FL/-/5/-/-/R/-

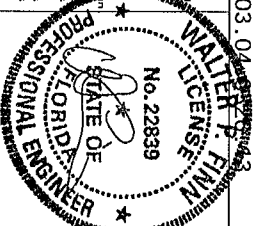
Scale = .5"/Ft.

ALPINE



Orlando FL 32837
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 and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, TP and WTC for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r d ceiling. Local ends shown for permanent lateral restraint of web. 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/TP1 1 or for handling, shipping, installation, or bracing shall be the responsibility of the contractor. Refer to drawing 160A-2 for standard plate details. Details, unless noted otherwise, shall be in accordance with the standard plate details. A seal on this drawing or cover page listing the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TP1 1 Sec 2. For more information on seal, general notes page ITW-BCSI www.itwbcg.com TP1 www.tp1inst.org WTC www.sbcindustry.com ICC www.iccsafe.org



01/07/2014

TC LL	20.0 PSF	REF R9114- 19091
TC DL	7.0 PSF	DATE 01/06/14
BC DL	10.0 PSF	DRW HCUR9114 14006053
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT. LD.	37.0 PSF	SEQN- 337722
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V2T487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf 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 Creep increases factor for dead load is 1.50

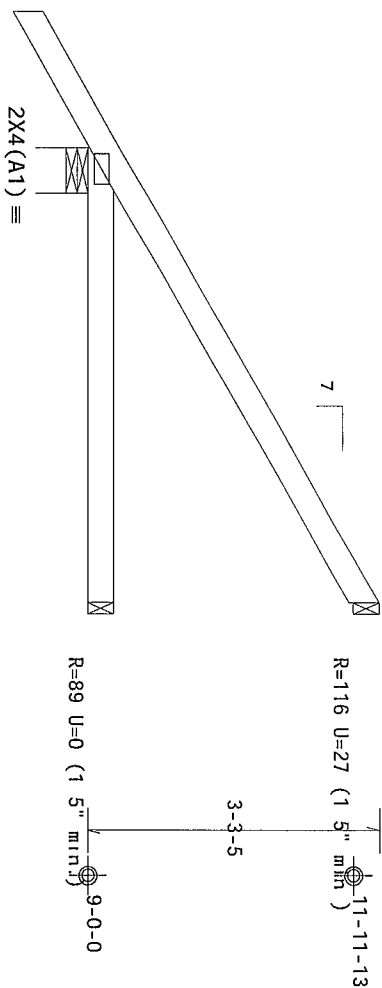


Diagram of a 3-span continuous beam with dimensions and material properties:

- Span lengths: 1-6-0 (feet)
- Supports: 5-0-0 (feet)
- Material properties: $R=304$, $U=6$, $W=6"$ (6" min), $RL=62/-27$

Design Crit.	FBC2010Res/TP1-2007(STD)	FT/RT=10%(0%)/0(0)

12.03.04 09:26:13

QTY:9

FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

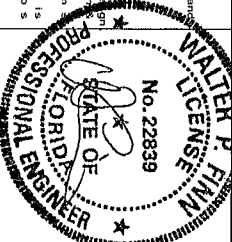
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

These rules require extreme care in their catting handling shipping installing and bracing
follow the latest edition of BCSI Building Component Safety Information from by TPI and WTCOA for safety
practices prior to or performing these functions Installers shall provide temporary bracing per BCSI
units needed otherwise units should have properly attached structural sheathing and bottom chord
units shall have bracing installed per BCSI sections 87 or 810 as applicable

TPI Building Components Group Inc. (TIBGCO) shall not be responsible for any damage from this design
any failure to build the trusses in conformance with ANSI/TPI-1 or for hand nailing or splitting installations
bracing of trusses Apply pressure to each face of truss and post it as shown above and on the Joint
Details unless noted otherwise Refer to drawing NDS 160A-2 for standard gable positions A seal on the
truss shall be required for all exterior wall framing and eaves overhangs of profiles and end members
responsible for covering the roof and walls of the building during construction The contractor is
the responsibility of the Build ing Designer per ANSI/TPI-1 Sec 2 For more information see
general notes page TIBGCO www tpiinc org TPI www wtcna org WTCOA www sbc industry com
www creative.org CC



~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19092
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCSR9114 14006043
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT. LD.	37.0 PSF	SEQN-	337582
DUR. FAC.	1.25	FROM	JMMW
SPACING	24 0"	JREF-	1V2T487_Z02

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

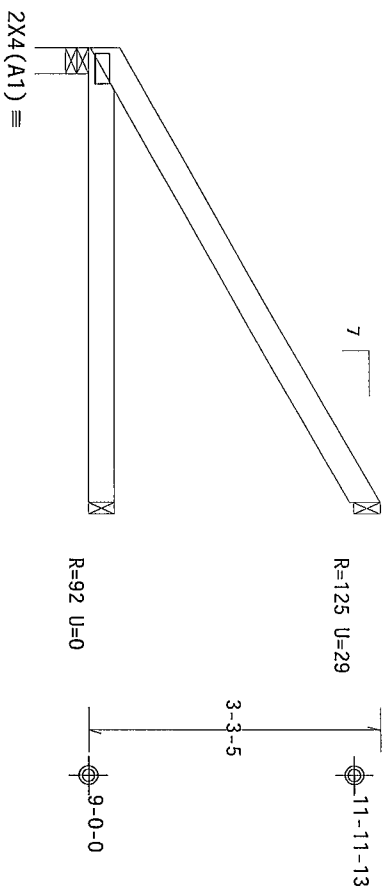
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf 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 Creep increase factor for dead load is 1.50



← 5-0-0 Over 3 Supports →
R=196 U=0 W=3 5'
RL=48

Design Crit FBC2010Res/TP1-2007(STD)

PLT TYP Wave

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

12.03.04 08:26:13

QTY:1

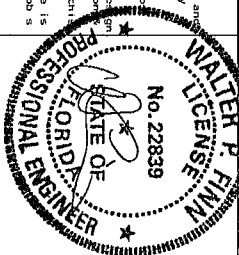
FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0 278

[illegible]

~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19093
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	H0USR9114 14007006
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT.LD.	37.0 PSF	SEQN-	338872
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCP1 (+/-)=0 18

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

Right end vertical not exposed to wind pressure

Deflection waate 1/240 live and 1/180 total load Green INC

factor for dead load is 1.50



R=1085 U=0
H=H1

12 03.04.2013 QTY: 1 FL/-/5/-/-/R/- Scale = .1875"/Ft.

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

12 03.04.2016

QTY:1	FL/-/5/-/-/R/-
TC LL	20.0

Scale = .1875"/Ft.
REF R9114- 19094

03.04.1968

WALTER P. FINN
LICENSE
No. 22839
STATE OF

DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF -	1V2T487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE -10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1(+/-)=0 18

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

Max Jt VERT DEF LL 0 17" DL 0 23" See detail DEFLCMB0813 for

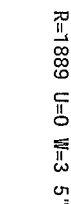
consideration for ponding design by Building Designer

In lieu of structural panels use purlins to brace all flat IC @ 24

Deflection: more and 1/180 total load (green increases)

factor for dead load is 1.50

MMFRS loads based on trusses located at least 15 00 ft from roof edge



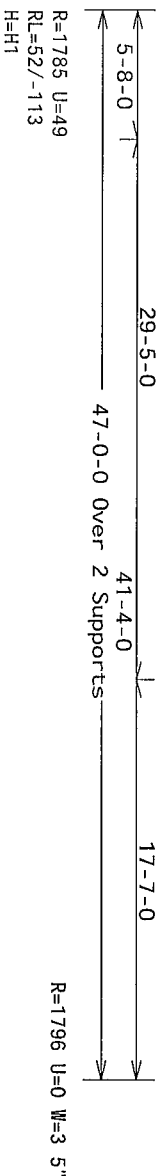
Scale = 125"/Ft.

FROM JMW
JREF- 1V2T487_Z0;

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5
psf wind BC DL=5 0 psf 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 Creep increase factor for dead load is 1.50



Scale = .125"/Ft.



01/07/2014

TC LL	20.0 PSF	REF	R9114- 19096
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	H05R9114 14007009
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	338701
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V2T487_Z02

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

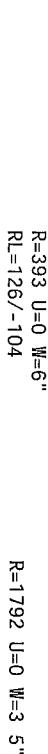
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED Bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP1 (+/-)=0 18

Wind loads and reactions based on MWFRS with additional CXC member design

Right end vertical not exposed to wind pressure

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 Creep increases factor for dead load is 1.50

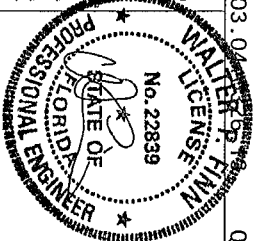


Scale = 1875"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** TURN THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Tusness require extreme care in fabricating handling sniping metaling and bracing Refer to and follow the latest edition of ECOS (Building Component Safety Information on by TPI and WTCO) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BS8061 shall have a properly attended rrig & colling B3 87 or B10 as appli cable. The use of temporary bracing will ensure the stability of the building during construction and prevent structural damage.
ITW Build to Build Components Group, (ITWBODG) shall not be responsible for any deviation from this design. Any failure to build to the Tusness in conformance with ANSI/TPI 1 or for handling sniping installation or bracing of trusses. Apply plates to each face of truss and post on as shown above and on the Joint. Details unless noted otherwise. Refer to drawngs ITBOD-2 for standard plate positions. A seal on this drawing indicates that the design was prepared by a registered professional engineer. The seal on this drawing is valid solely for the design shown. The suitability and use of the design for any structure is the responsibility of the designer per ANSI/TPI 1 Sec 2. For more information see This job has been approved by the Building Design Group per ANSI/TPI 1 Sec 2. WTCA www.bcb industry.com
TDC www.tdc.org
www.tpi.org
www.tbcdg.com
TPI



TC LL	20.0 PSF	REF	R9114- 19097
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	H05R9114 14007010
BC LL	0.0 PSF	HC-ENG	JB/WMPF
TOT.LD.	37.0 PSF	SEQN-	338862
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

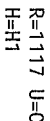
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DE=3 5 psf wind BC DE=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MMFRS 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

Factor for dead load is 1.50

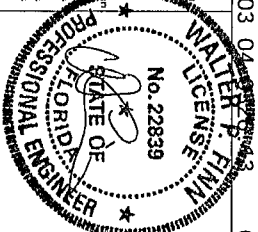


Scale = .1875"/Ft.

These rules require care in fabricating shipping installings and those who follow the latest edition of BCS (Building Component Safety Information) by TPI and WFOA for safety practices prior to performing these functions. Installations shall provide temporary bracing per BCS unless noted otherwise. Top chord shall have properly attached structural sheath and bottom chord shall have properly attached radial collar girders. Locations shown for permanent lateral restraint or where shall have bracing installed per BCS sects 83, 87 or 810 as applicable.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



TC LL	20.0 PSF	REF R9114- 19098
TC DL	7 0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUR9114 14007011
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 338871
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V2T487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gc_{p1}(+/-)=0 18

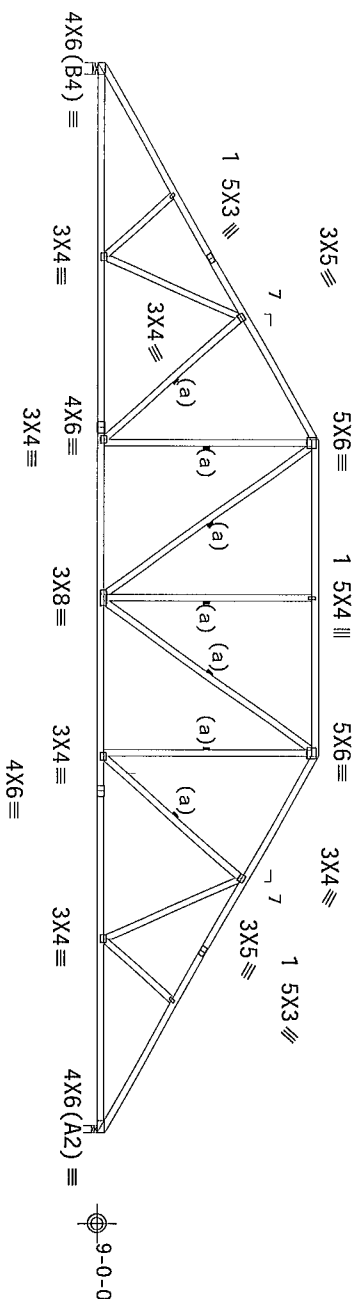
Wind loads and reactions based on MNFRS with additional C&C member design

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

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.

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.



16-6-5 13-11-5 16-6-5

47-0-0 Over 2 Supports

R=2074 U=0 W=6' RL=155/-155 R=2075 U=0 W=3.5'

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

QTY:2 FL/-/5/-/-/R/-

Scale = 125"/Ft.

ALPINE

ITW Building Components Group Inc.

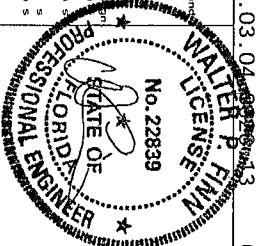
Orlando FL, 32837
FL COA #0278

****IMPORTANT**** • **STUDENT IS THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**

Trussware requires extensive care in fabricating, handling, air drying, metalizing and bracing. Follow the latest edition of BCSI's Building Component Safety Information by TPI and WTCA) for safety practices on pit or performing these trusses. Installers shall provide temporary bracing per BCSI's design manual. Trusses are designed to be installed with top chord members resting and bottom chord members being supported by temporary bracing. Trusses shall have a properly attached r/t/g d/c on top. Locals are shown for component details. Installation shall have bracing installed per BCSI section 8.3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBGC) shall not be responsible for any deviation from this design due to failure to build the trusses in conformance with ANSI/TPI-1 or for handing any steel on site. Bracing of trusses. Apply places to each face of trusses and position as shown above and on the Joist Details. It is understood that the contractor will be responsible for providing all materials and labor required to erect the trusses. The undersigned hereby releases and holds harmless the manufacturer of the building design and the responsibility of the building designer per ANSI/TPI-1 Sec 2. For more information see This Job's general notes only. ITW BCG www.itwbog.com TPI www.tpinet.org WTCA www.sdc.industry.com

ICC www.iccsafe.org



~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19099
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	HGUSR9114 14007012
BC LL	0.0 PSF	HC-ENG	JB/MPP
TOT.LD.	37.0 PSF	SEQN-	338854
DUR.FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V2T487_Z02

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

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

Bottom chord checked for 10 00 psf non-concurrent live load

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

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

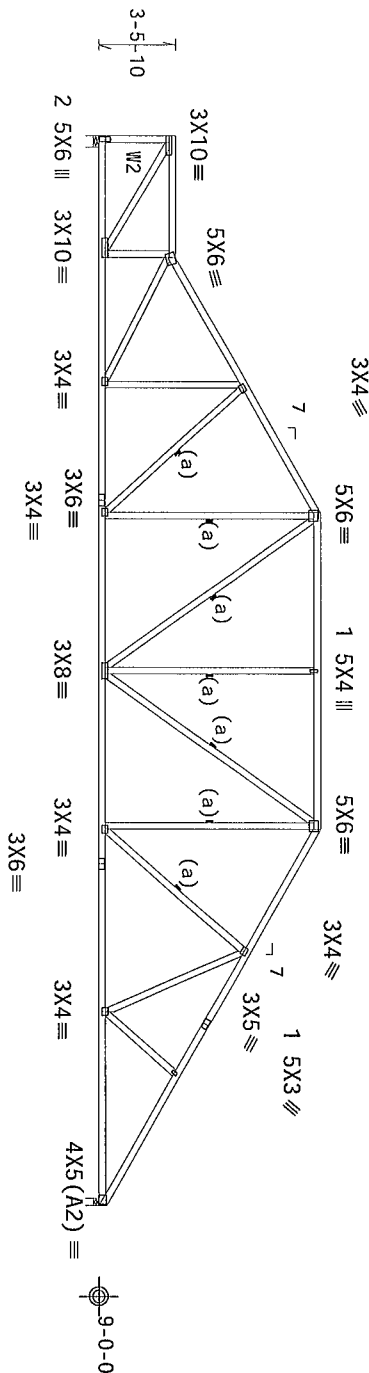


Diagram of a continuous beam with three supports. The beam is divided into four spans: 5'-4", 11'-2", 13'-1", and 16'-6". The total length is 47'-0". The beam is supported by two interior supports, labeled "Over 2 Supports". The beam is labeled "R=1785 U=0 W=6"

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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12.03.04-0326-13

QTY:1

FL/-/5/-/-/R/-

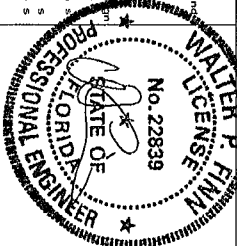
Scale = .125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** PURSUANT TO ALL CONTRACTORS INCLUDING INSTALLERS
Trussteel require extreme care in fabricating handling shipping metaling and bracing Refer to and
follow the latest edition of ECOS (Building Component Safety Information by TPI and WTCO) for safety
practice code per or to perform these duties. Installers shall provide temporary bracing per BS807
shall have a properly detailed gusseting. All locations are shown for permanent lateral restraint of web.
IWB Building Components Group Inc. (ITWBCOG) shall not be responsible for any deviation from the design
any failure to build the trusses in conformance with the ANSI/TPI-1 or for handling any shipment
of trusses. Apply plates to each face of truss and post on as shown above and on the Joist
designs are uniform model shown. Refer to drawing B600-2 for standard plate connections. A seal on the
response b) is solely for the design shop. The suitability and use of this design for any structure's
general notes page. IWB COG www.itwbog.com per ANSI/TPI-1 Sec 2 For more information on see This job s
www.tpinet.org WTCO www.abcdindustry.com
ICC www.iccsafe.org



~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19100
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10 0 PSF	DRW	HCSR9114 14007013
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	338428
DUR FAC.	1.25	FROM	JMMW
SPACING	24 0"	JREF-	1V2T487_Z02

(13-296A--BRYAN ZECHEER /Greenbrier 1087F - Willia -- Lake City, FL - D6 47 Special)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with '13B" use design values approved
1/30/2013 by ALSC

Left end vertical not exposed to wind pressure

(J) Hanger Support Required, by others

(a) Continuous lateral restraint equally spaced on member

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

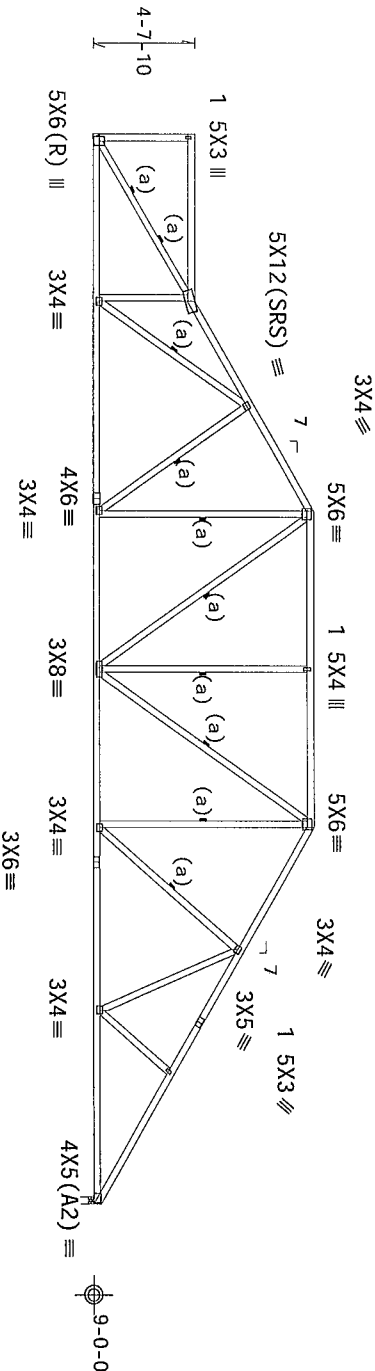
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5
psf, wind BC DL=5 0 psf GCPI(+/-)=0 18
Wind loads and reactions based on MMFRS with additional C&C member
design

Max JT VERT DEFL LL 0 18" DL 0 25" See detail DEFLCMB0813 for
camber recommendations Roofs incorporating this truss require
consideration for ponding design by Building Designer

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

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50

MMFRS loads based on trusses located at least 30 00 ft from roof
edge



7-4-0 9-2-5 13-11-5 16-6-5
47-0-0 Over 2 Supports
R=1785 U=0
RL=108/-133
H=H1
R=1796 U=0 W=3 5"

PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04.0966.13

QTY: 1

FL/-/5/-/-/R/-

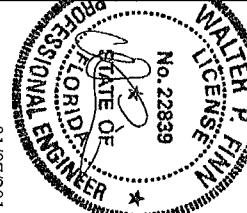
Scale = .125"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, and bracing. Refer to and
follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety
practices, practices, or to perform 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 structural sheathing. Locate one shown for permanent lateral restraint of web.
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/TPI 1 or for handling, shipping, or installing on site.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any failure to seal on the
details unless noted otherwise. Refer to drawing 180A-2 for standard plate positions. Seal on the
drawing or cover page listing the design shown. The liability 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 the
general notes page ITW BCSI www.tbcsig.com TPI www.tpinet.org WTC www.abctindustry.com
ICC www.iccsafe.org



TC LL	20 0 PSF	REF	R9114 - 19101
TC DL	7 0 PSF	DATE	01/07/14
BC DL	10 0 PSF	DRW	HCSR9114 14007014
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT. LD.	37 0 PSF	SEQN-	338434
DUR. FAC	1 25	FROM	JMW
SPACING	24 0"	JREF-	1V2T487_Z02

01/07/2014

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, closed bldg, not located
within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5
psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

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

Max JI VERI DEFL LL 0 17 DL 0 23 See detail DEFLCMB0813 for
member recommendations. Beams incorporating this truss require

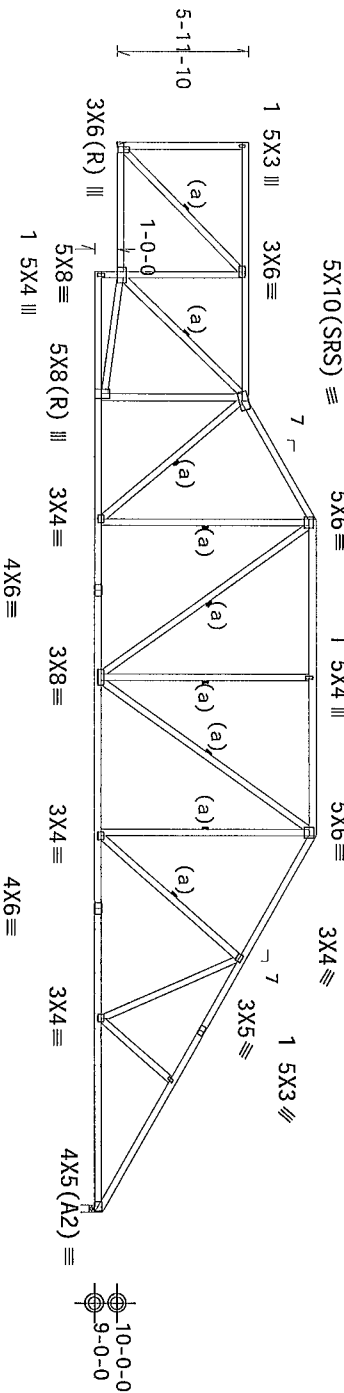
consideration for ponding design by building designer

In lieu of structural panels use purlins to brace all flat l @ 24

Detailed description of the figure content.

factor for dead load is 1.50

MMFRS loads based on trusses located at least 15 00 ft from roof



11-4-0	13-11-5	16-6-5
5-8-0	5-2-5	
47-0-0	Over 2 Supports	41-4-0

R=1785 U=0

H=H

R=1796 U=0 W=3 5''

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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$$FT/RT=10\%(0\%)/0(0)$$

12 03.04 0326 13

QTY-1

FL/-/5/-/-/R/-

Scale = 125"/Ft

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

Follow the latest edition of BCS1 (Building Component Safety Information by TPI and WTCA) for safety

shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of walls shall have bracing installed per BCS1 sections 83.87 or 810 as applicable.

Apply plates to each face of truss and post on as shown above and on the joint

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

www.iccsafe.org www.lcwdbg.com www.cprinst.org www.sdcindustry.com

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0278

Orlando FL, 32837
FL COA #0278

general notices page
ICC www.iccsafe.org

www.lwdbcg.com if you want to find out more about the program, visit www.epiinc.org.

www.sdcindustry.com

SPACING

$$\frac{1}{2}$$

2T487_Z02

(13-296A--BRYAN ZECHER /Greenbrier 1087F - Willa -- Lake City, FL - D9 47 Special)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with '13B' use design values approved
1/30/2013 by ALSC

Left end vertical not exposed to wind pressure

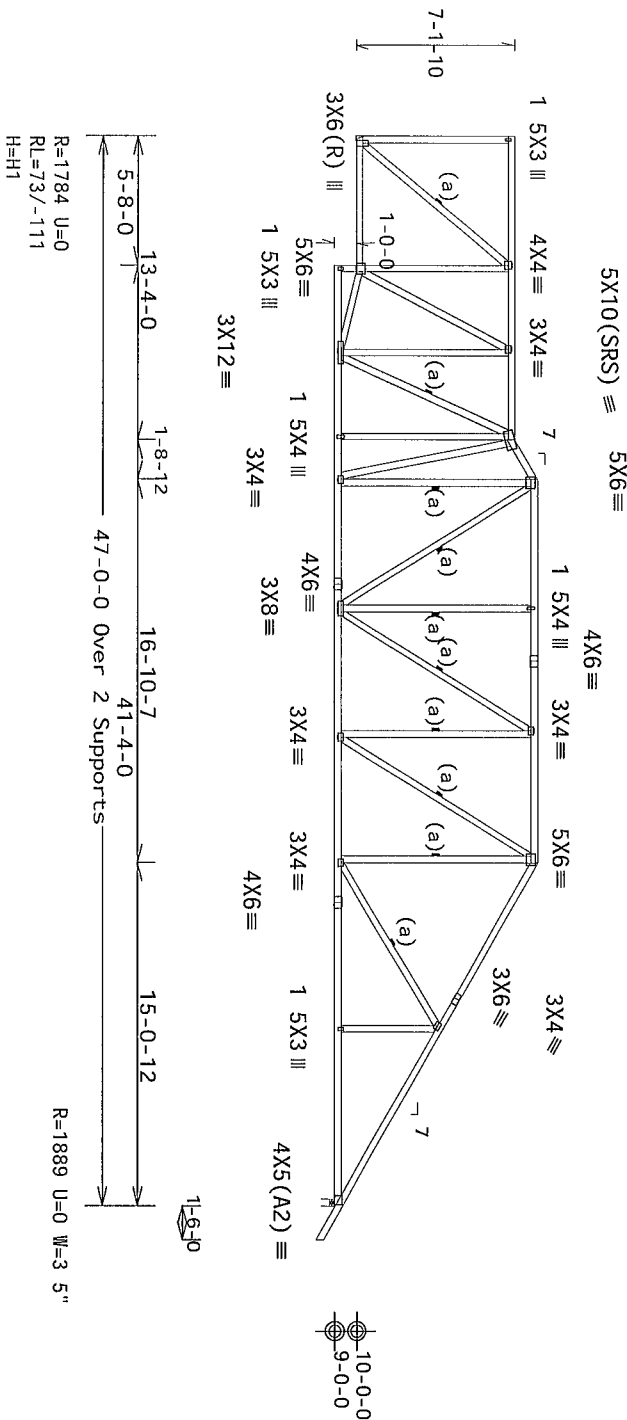
(J) Hanger Support Required, by others

(a) Continuous lateral restraint equally spaced on member

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5
psf, wind BC DL=5 0 psf 6Cpi(+/-)=0 18
Wind loads and reactions based on MMFRS with additional C&C member
design
Max JT VERT DEFL LL 0 17" DL 0 23" See detail DEFLCMB0813 for
camber recommendations Roofs incorporating this truss require
consideration for ponding design by Building Designer
In lieu of structural panels use purlins to brace all flat TC @ 24"
OC
Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50
MMFRS loads based on trusses located at least 15 00 ft from roof
edge



PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)

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

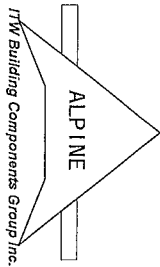
12 03 04

QTY. 1

FL/-/5/-/-/R/-

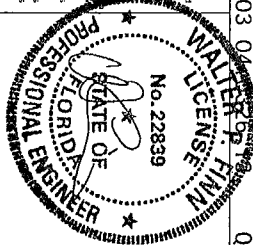
Scale = 125"/Ft

ALPINE



Orlando FL, 32837
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 and bracing. Refer to and
follow the latest edition of BCSI (Building Components Safety Information) by TP1 and WTC 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 rafter. Locate one shown for permanent lateral restraint of webs.
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/TP1-1 or for handling, shipping, installation or
use of the truss. ITWBCG shall not be responsible for any failure to follow the design or for any
data is. Unless noted otherwise, refer to drawings 1604-2 for standard plate details. Seal on this
drawing or cover page stating the design drawing and use of this design for any structure is
the response by the building designer per ANSI/TP1-1 Sec 2. For more information see the job's
general notes page ITW-BCG www.itwbcg.com TP1 www.tp1inc.org WTC www.sbc-industry.com
ICC www.icc-alle.org



TC LL	20.0 PSF	REF R9114-19104
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUR9114 14007017
BC LL	0.0 PSF	HC-ENG JB/WMP
TOT. LD.	37.0 PSF	SEON-338454
DUR. FAC.	1 25	FROM JMW
SPACING	24.0"	JREF-1V2T487_Z02

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

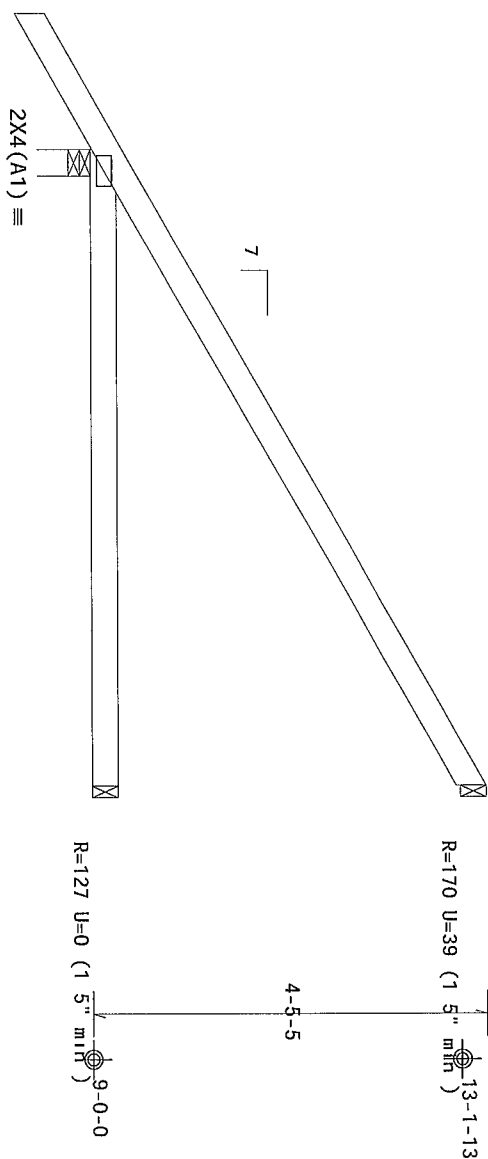
Lumber grades designated with 13B use design values approved 1/30/2013 by ALSC

Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf 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 Creep increase factor for dead load is 1.50



7-0-0 Over 3 Supports

R=376 U=2 W=3 5 (3 5 min)
 RL=81/-32

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

12	03	04	0326	13	QTY:34	FL/-/5/-/-/R/-
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Scale = .5" / Ft

ALPINE

ITW Building Components Group Inc.

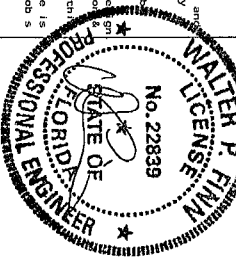
Orlando FL, 32837
FL COA #0278

••IMPORTANT•• FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trauses need to be effective made in fabricating hand, no shipping, installing and brace and refer to any follow the latest edition of BCSI (but is not component Safety Information on by TPI and WTA) for safety practices used to perform any these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all top chord shall have properly attached structural strength and bottom chord shall have a properly attached a g or c section. Local ones shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10 as apply cable

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation or erection of trusses. Apply plates to each face of truss and post as shown above and on the joint.

Decals unless noted otherwise. Refer to drawings 160M-4 for standard plate post tongs. Seal on the drawing or cover page listing this drawing indicates acceptance of product and engineering responsibility solely for the design shown. The suitability and use of it is for any structure is the responsibility of the Building Designer. per ANSI/TPI 1 Sec 2 For more information see This Job is general notes page 17M-805 www.tlwbcc.com TPI www.tpi.net.org WCCA www.sdc industry.com



TC LL	20.0 PSF	REF	R9114-19105
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCUSR9114 14006046
BC LL	0.0 PSF	HC-ENG	SSB/WMPF
TOT.LD.	37.0 PSF	SEQN-	337579
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

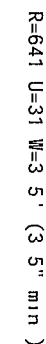
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

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

Deflection was about 1/340 in. and 1/180 in. total load from increased

factor for dead load is 1.50



Scale = .1875"/Ft.



Professional Engineer Seal for the State of Florida, License No. 22839, signed by Wallace H. Finn.

TC LL	20.0 PSF	REF	R9114 - 19106
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	H05R9114 14006055
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT.LD.	37.0 PSF	SEQN-	337599
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487_Z02

(13-296A--BRYAN ZECHER /Greenbrier 1087F - Willia -- Lake City, FL - H11A 51 Steeple Hill)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Calculated horizontal deflection is 0.11" due to live load and 0.15" due to dead load

Bottom chord checked for 10.00 psf non-concurrent live load

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

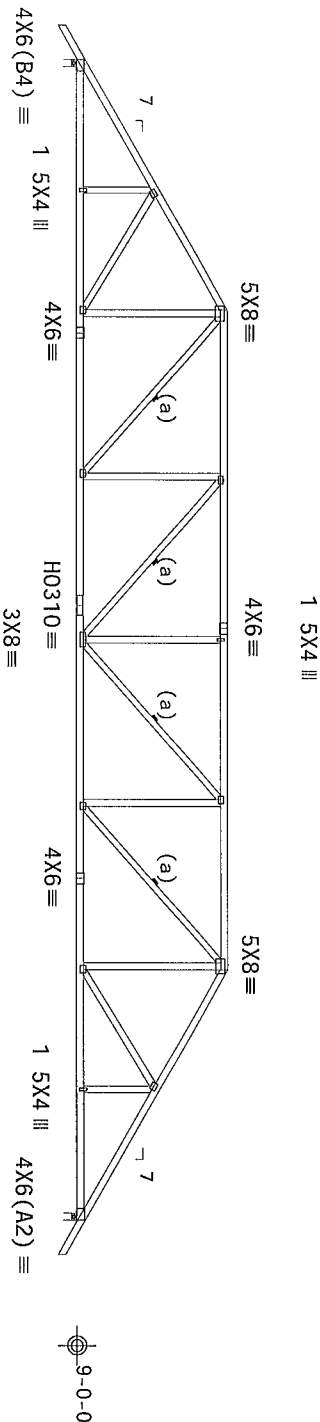
MMFRS loads based on trusses located at least 7.50 ft from roof edge

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCPI(+/-)=0.18

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

(a) Continuous lateral restraint equally spaced on member
In lieu of structural panels use purlins to brace all flat TC @ 24' OC

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



11'-0" over 2 supports
29'-0" over 2 supports
11'-0" over 2 supports

R=2035 U=86 W=3.5'
RL=131/-131

R=2035 U=86 W=3.5"

Note All Plates Are 3X4 Except As Shown.

Design Crit FBC2010Res/TP1-2007(STD)

PLT TYP 20 Gauge HS, Wave

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

12.03.04

QTY: 1 FL/-/5/-/-/R/-

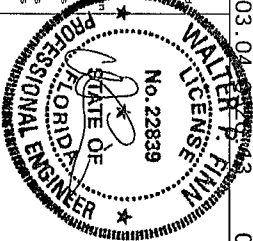
Scale = .125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses must be erected care in favor of no shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTC) for safety practices per or 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 of webs shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build this truss in conformance with ANSI/TP1-1 or for handling, shipping, installation, or erection shall be the responsibility of the user. Refer to drawings 180A-2 for standard plate positions. A seal on this drawing or cover page listing this design shall indicate acceptance of professional engineering. The responsibility of the Building Designer per ANSI/TP1-1 Section 2. For more information see the general notes page ITW-B05 www.tlwdg.com TPI www.tpi.net WTC www.dcs-industry.com IBC www.lobble.org



TC LL	20.0 PSF	REF R9114-19107
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14007018
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT. LD.	37.0 PSF	SECON-338385
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF-1V2T487_Z02

(13-296A--BRYAN ZECHER /Greenbrier 1087F - William -- Lake City, FL - H13 38'4 Stepdown Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

Bottom chord checked for 10 00 psf non-concurrent live load

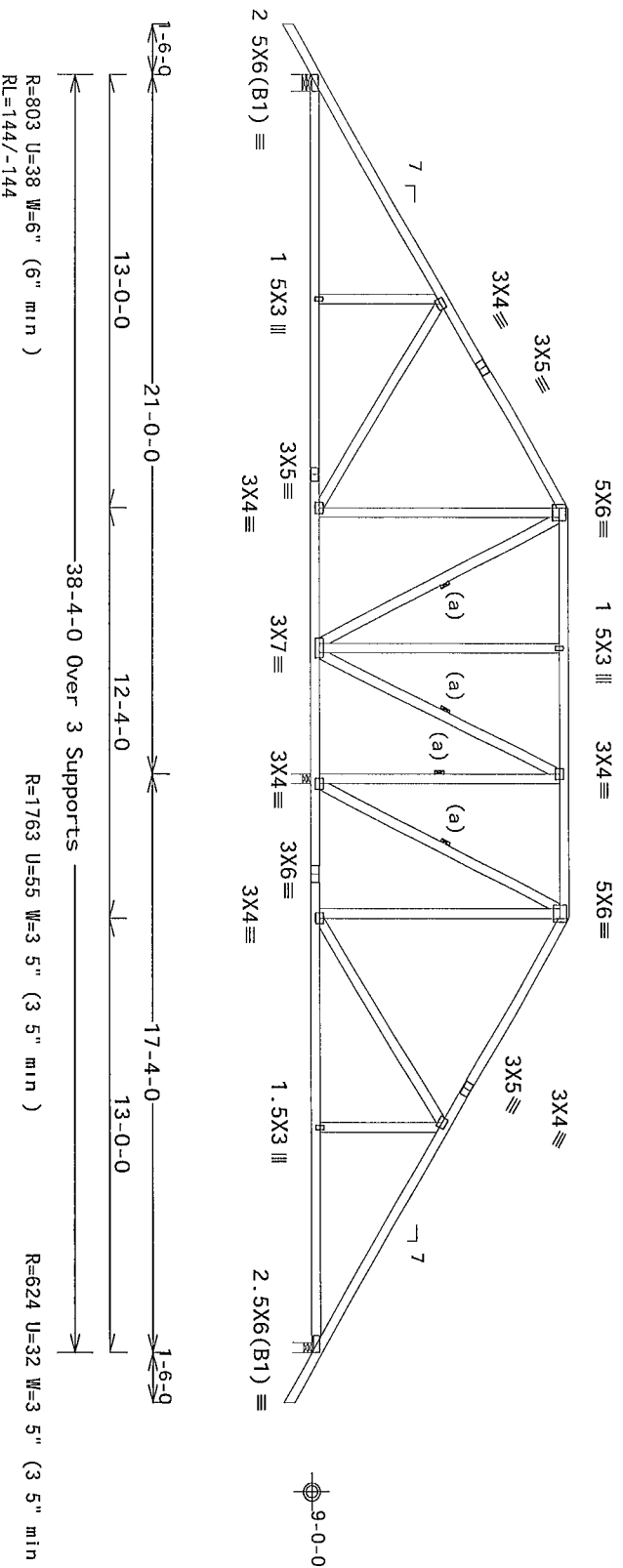
MMFRS loads based on trusses located at least 7 50 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9 00 ft from roof edge, RISK CAT II, Exp B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS 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 Creep increase
factor for dead load is 1 50



PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.01

QTY:1

FL/-/5/-/-/R/-

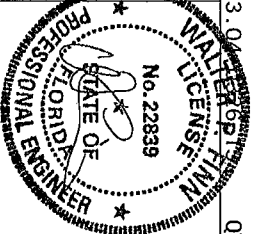
Scale = .1875"/Ft.

ALPINE

NTW Building Components Group Inc.

Orlando FL 32837
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, shipping, installing and bracing. Refer to and
follow the latest edition of BCSI (Building Component Safety Information) by TPI and WDA 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 of webs
shall have bracing installed per BCSI sections 85, 87 or 810 as applicable.
NTW Building Components Group Inc. (NTWBCG) shall not be responsible for any deviation from this design
specification. The user of this design is responsible for obtaining all necessary permits and for
compliance with all applicable codes and regulations. The user of this design is responsible for
obtaining all necessary permits and for compliance with all applicable codes and regulations. The user
of this design is responsible for obtaining all necessary permits and for compliance with all applicable
codes and regulations. Refer to drawings 160A-2 for standard plate positions. A seal on this
drawing or cover page listing this design and the suitability and use of this design for any structure is
the responsibility of the Building Design Group per ANSI/TP1 Section 2. For more information on seal
licensing, visit the BCG website at www.bcginc.org. For more information on seal licensing, visit the
BDA website at www.bdaindustry.com. This is Job #
100 www.bcginc.org www.bdaindustry.com TPI www.tpiinc.org



TC LL	20.0 PSF	REF	R9114- 19108
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCS9114 14006058
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	37.0 PSF	SECON-	337595
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V2T487_Z02

(13-296A--BRYAN ZECHE /Greenbrier 1087F - Willia -- Lake City, FL - H13A 47 Steepdown Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5
psf, wind BC DL=5.0 psf GCPI(+/-)=0.18

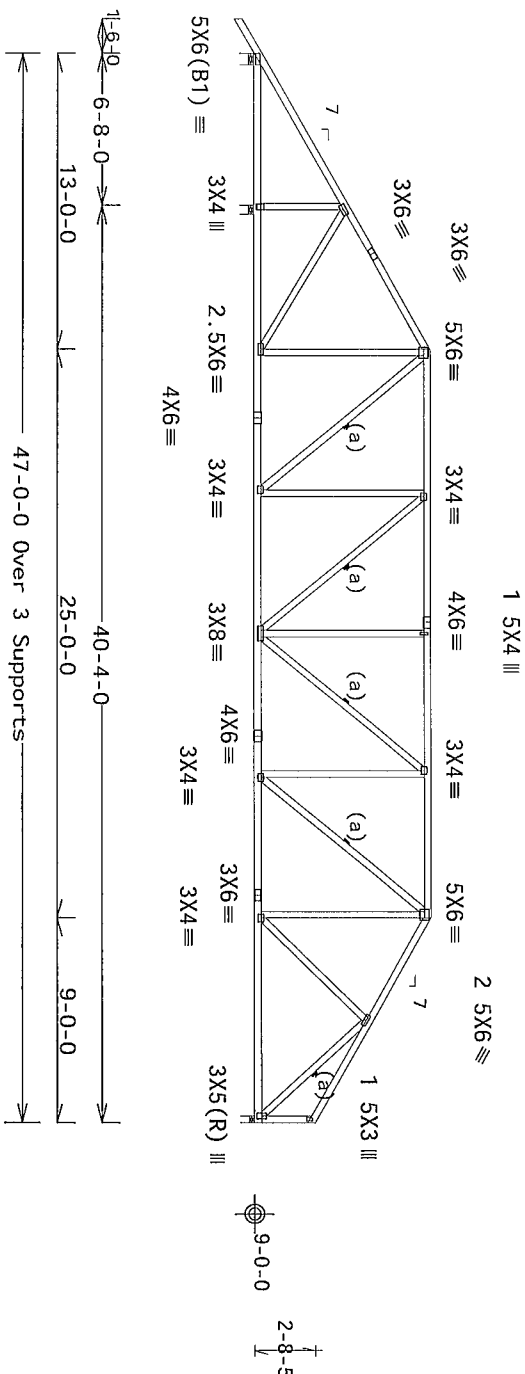
Wind loads and reactions based on MMFRS with additional C&C member
design

Right end vertical not exposed to wind pressure

Bottom chord checked for 10.00 psf non-concurrent live load

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

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



R=279 U=3 W=6"
RL=119/-113 R=2052 U=87 W=4.95"

R=1495 U=57 W=3.5"

PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)

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

12.03.04

QTY:1

FL/-5/-/-/R/-

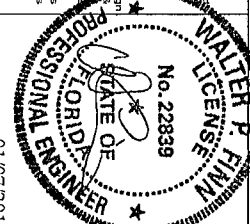
Scale = .125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
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 their cutting, handling, shipping and bracing. Refer to the
latest edition of BCSI (Building Component Safety) Information by TPI and WFOA for safety
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI
units noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord
shall have a properly attached rigid ceiling. Locate and show for permanent lateral restraint of web.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
any future to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation
or bracing of the truss. The user shall be responsible for the design and construction of the
details, units noted otherwise. Refer to drawing 150A-2 for standard plate positions. A seal on this
drawing or cover page listing this design shall be used for the design 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.tpi.net WFOA www.wfoa.com This job is
ITC www.itc.com



TC LL	20.0 PSF	REF R9114-19109
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUS9114 14007019
BC LL	0.0 PSF	HC-ENG JB/MPF
TOT. LD.	37.0 PSF	SEON- 338389
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V2T487_202

01/07/2014

(13-296A--BRYAN ZECHER /Greenbrier 1087F - Wallia -- Lake City FL - H15 38.4' Steepdown Hip)

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

Top chord 2x4 SP #1-13B B1 2x4 SP M-30
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

Bottom chord checked for 10 00 psf non-concurrent live load

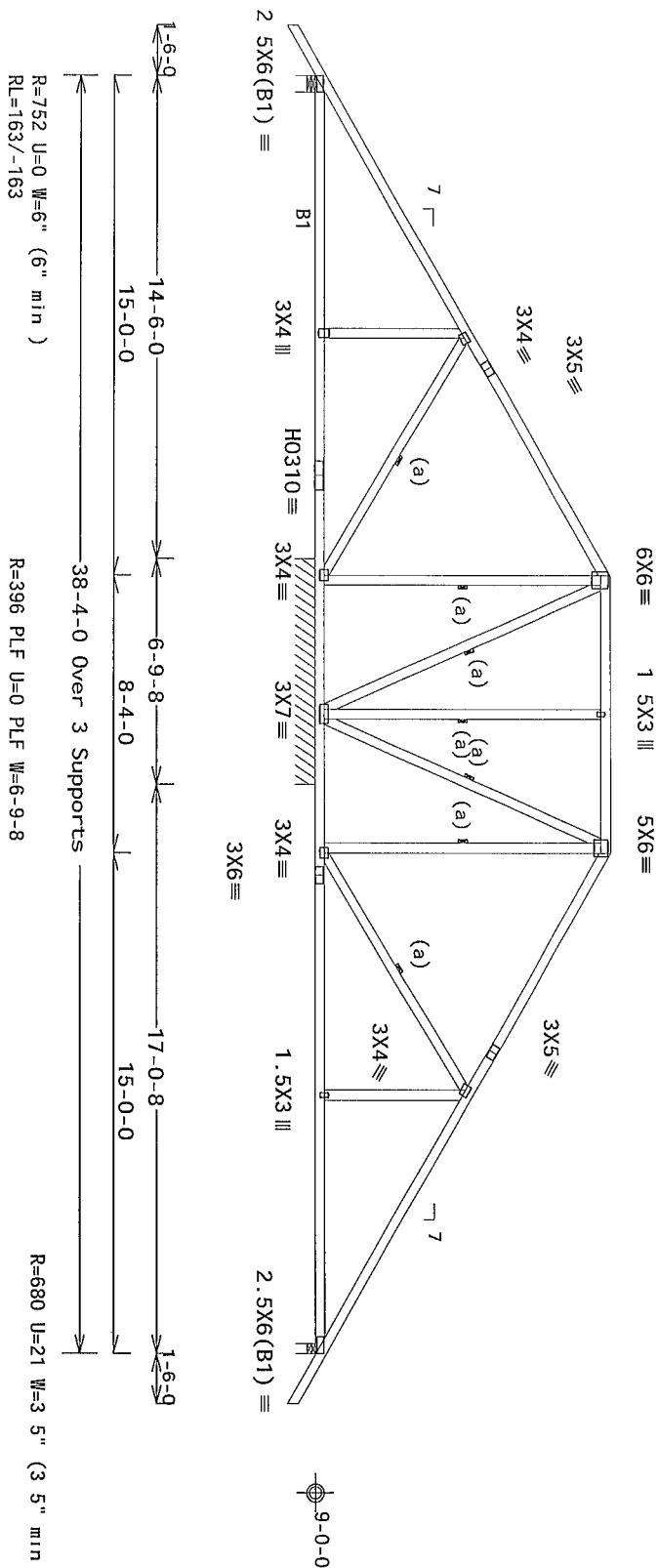
MMFERS loads based on trusses located at least 15 00 ft from roof
edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf 6Cpl(+/-)=0 18

Wind loads and reactions based on MMFERS 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 Creep increase
factor for dead load is 1 50



PLT TYP 20 Gauge HS, Wave

Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04 0826.13

QTY:1

FL/-/5/-/-/R/-

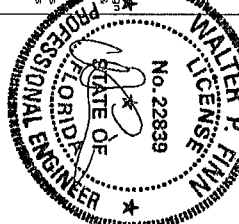
Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
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, shipping, installing and bracing. Refer to any
follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDA for safety
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI
units noted otherwise. Top chord shall have properly attached structural sheath 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 this design
any trussing or bracing. The user shall be responsible for handling, shipping, installing, labeling,
bracing or trusses. Apply plates to each face of trusses and post on handling and installation.
Details, unless noted otherwise. Refer to drawings 180A-Z for standard plate posts. A seal on the
drawing or cover page listing the design shown. The submittal 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
drawing. ITWBCG www.itwbcg.com TPI www.tpiinc.org WDA www.wdaindustry.com This Job's
ICD www.escalife.org



TC LL	20.0 PSF	REF R9114- 19110
TC DL	7.0 PSF	DATE 01/06/14
BC DL	10.0 PSF	DRW HCUSR9114 14006063
BC LL	0.0 PSF	HC-ENG SSB/MPF
TOT LD.	37.0 PSF	SEON- 337588
DUR. FAC.	1.25	FROM JMW
SPACING	24 0"	JREF- 1V2T487_Z02

01/07/2014

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind psf, wind BC DL=5 0 psf GCP1 (+/-)=0 18

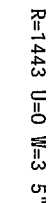
Wind loads and reactions based on MMFRS with additional C&C member design

Right end vertical not exposed to wind pressure

Bottom chord checked for 10 00 psf non-concurrent live load

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

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

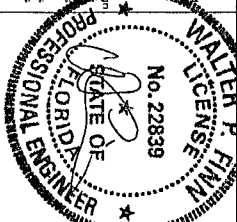


Scale = .125"/Ft

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trussess require extensive care in fabrication, handling, shipping and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information by TPI and WTCA for safety practices prior to performing these trussing. Installers shall provide temporary bracing per BCSI shall have a properly attached rafter ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sect. 83, B7 or B10 as applicable.

11TW Building Components Group Inc. (11TWBCG) shall not be responsible for any delay due to from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, bracing or erection of trusses. Apply places to each face of trusses and position as shown above and on the Joint Detail. The unders noted otherwise. Refer to drawing 1800-2 for standard placement points. A seal on the responsible by solely for the design shown. The suitability and use of the design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job general notes page 11TW BCG www 11twbcg.com TPI www tpi net.org WTCA www abc industry com

11TW BCG www 11twbcg.com TPI www tpi net.org WTCA www abc industry com



~~01/07/2014~~

TC LL	20.0 PSF	REF R9114- 19111
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUR9114 14007020
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 338395
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V2T487_Z02

(13-296A--BRYAN ZECHEK /Greenbrier 1087F - William -- Lake City FL - H17A 47' Steepdown Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

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

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5
psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

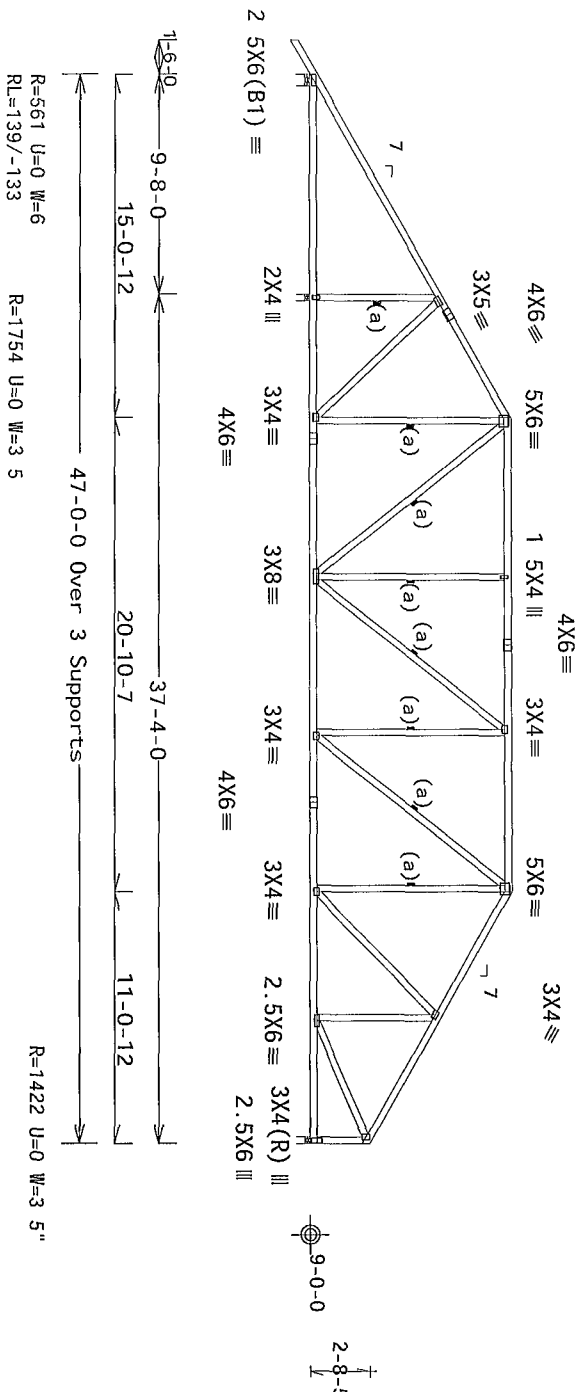
Wind loads and reactions based on MMFRS with additional C&C member
design

Right end vertical not exposed to wind pressure

Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50

MMFRS loads based on trusses located at least 15 00 ft from roof
edge



PLT TYP Wave

Design Crit FBC2010Res/TP1-2007 (STD)
FT/RT=10%(0%/0/0)

12.03.01

QTY: 1

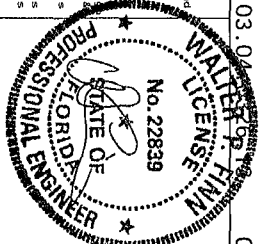
FL/-/5/-/-/R/-

Scale = .125"/Ft.

ALPINE

ALPINE Building Components Group Inc.
Orlando FL 32837
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. Refer to and
follow the latest edition of BCS (Building Components Safety Information) by TPI and WTC for safety
practices prior to performing these functions. Installers shall provide temporary bracing per BCS.
Unless noted otherwise, the top chord shall have properly attached structural sheathing and bottom chord
shall have a properly attached rafter girding. Locations shown for permanent lateral restraint of webs
shall have bracing installed per BCS section 83.07 or 81.0 as applicable.
If Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
any failure to build the truss in accordance with this design. The user shall be responsible for any
deviations from this design. The user shall be responsible for any deviations from this design.
Details: Unless noted otherwise, the user shall be responsible for any deviations from this design.
Refer to drawings 160A-Z for standard plate positions. A seal on this
drawing or cover page listing this drawing and dates 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/TP1 Section 2. For more information see
the general notes page ITW BCG www.itwbcg.com TPI www.tpi.net WTC www.sbc-industry.com
100 www.creative.org



TC LL	20.0 PSF	REF	R9114- 19113
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14007021
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT. LD	37.0 PSF	SEQN-	338400
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V2T487_202

(13-296A--BRYAN ZECHER /Greenbrier 1087F - William -- Lake City, FL - H19A 47 Steepdown Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

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

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5
psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

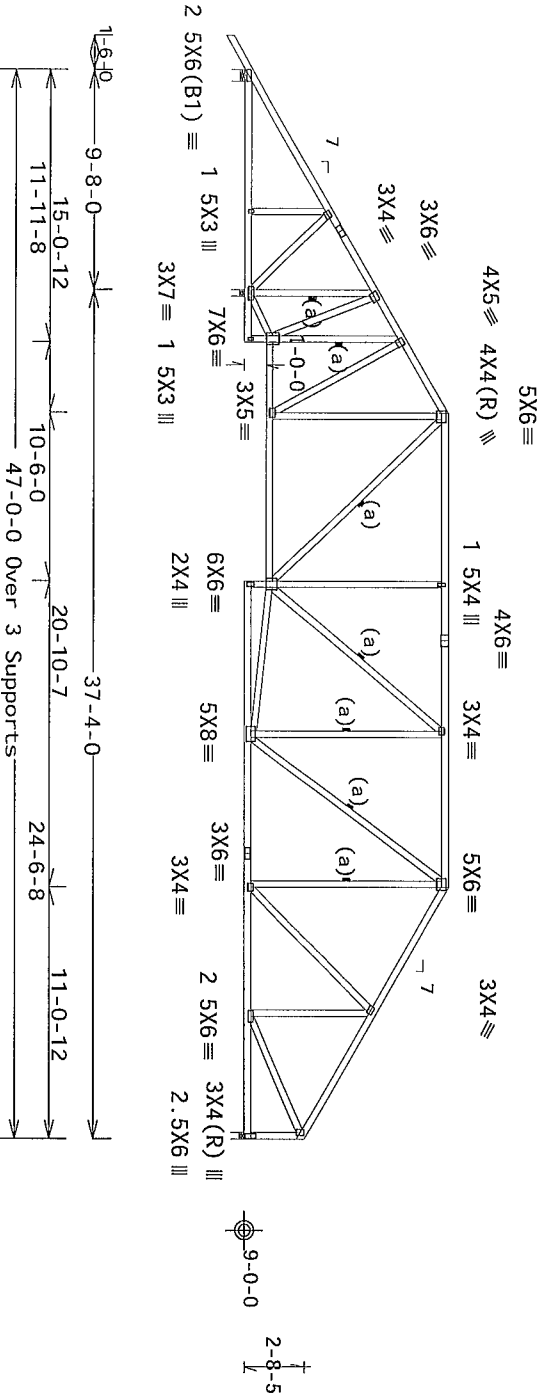
Wind loads and reactions based on MMFRS with additional C&C member
design

Right end vertical not exposed to wind pressure

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 Creep increase
factor for dead load is 1 50

MMFRS loads based on trusses located at least 15 00 ft from roof
edge



R=329 U=0 W=6"
RL=139/-133 R=2266 U=0 W=3 5"

R=1473 U=0 W=3 5"

PLT TYP Wave

Design Crit FBC2010Res/TP1 -2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04

QTY:3 FL/-/5/-/-/R/-

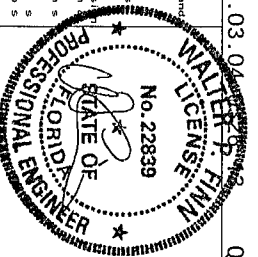
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ALPINE

ITW Building Components Group Inc.

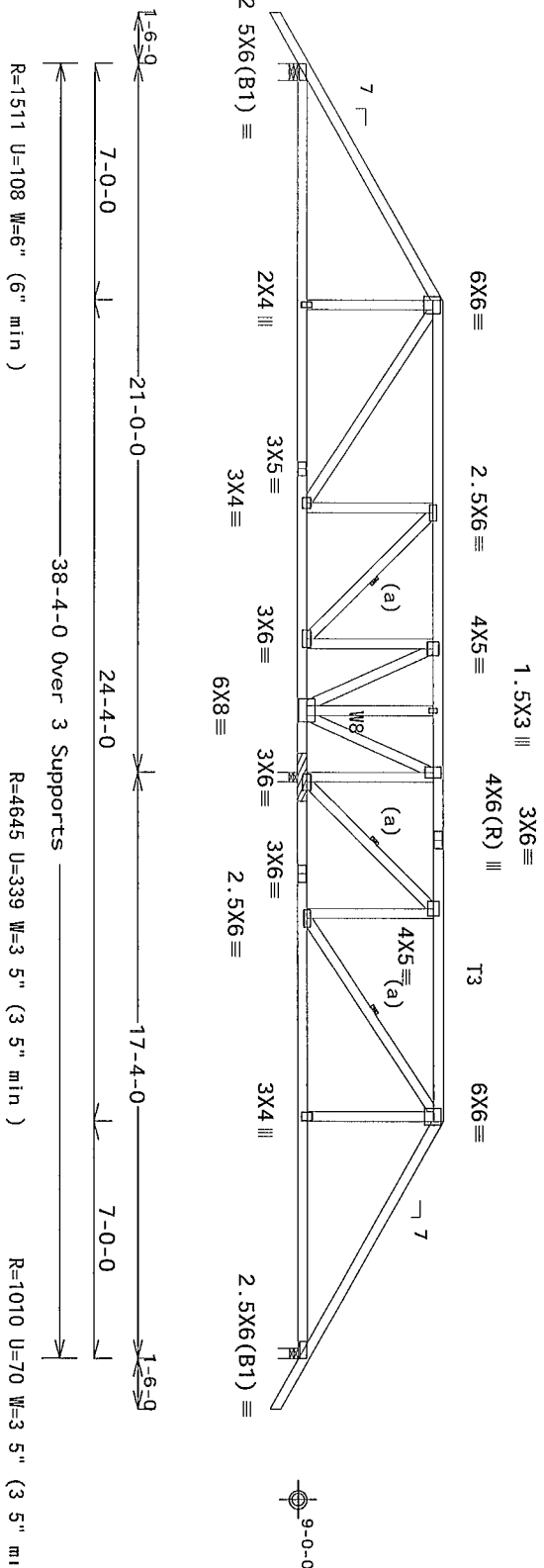
Orlando FL 32837
FL COA #0278

****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, and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and WDA for safety practices and procedures for 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 rafter girding. Locate one shown for permanent lateral restraint of member. Shall have bracing installed per BCSI section 63 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any device or from this design. Any failure to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, installation, or bracing shall be the responsibility of the user. Refer to drawings 180A-2 for standard placement on a wall or on a drawing or cover page illustrating this design. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 Section 2. For more information see This Job's general notes page ITW-BDG www.itwbdg.com TPI www.tpi.net.org WDA www.wda-industry.com
ITW Building Components Group Inc.
Orlando FL 32837
FL COA #0278



TC LL	20.0 PSF	REF R9114 - 19114
TC DL	7 0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUR9114 14007022
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT. LD.	37.0 PSF	SEON- 338404
DUR. FAC.	1.25	FROM JMMW
SPACING	24 0"	JREF- 1V2T487_Z02

Top chord 2x4 SP #1-13B T3 2x4 SP M-30
Bot chord 2x4 SP #1-13B W8 2x4 SP #2-13B
Webs 2x4 SP #3-13B
Lumber grades designated with 13B use design values approved 1/30/2013 by ALSC
Brg blocks 0 131 x3 min nails
Brg x-loc #blocks length/blok #nails/blok wall plate
2 21 000 17 11 Rigid Surface
Brg block to be same size and species as chord
Refer to drawing CNAALLSP0109 for more information
120 mph wind 15 00 ft mean hgt ASCE 7-10 CLOSED bldg not located within 9 00 ft from roof edge RISK CAT II EXP B wind TC DL=3 5 psf wind BC DL=5 0 psf GCpl (+/-)=0 18
Wind loads and reactions based on MMFRS
(a) Continuous lateral restraint equally spaced on member
Bottom chord checked for 10 00 psf non-concurrent live load
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50
WARNING! This truss is not symmetric but its exterior geometry makes erection error more probable It is imperative that this truss be installed properly Truss manufacturer is to mark this truss for proper erection



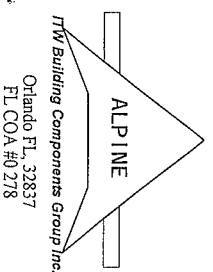
Special loads

TC-From	Dur Fac = 1 25 / Plate Dur Fac = 1 25	TC-From	Dur Fac = 1 25 / Plate Dur Fac = 1 25
TC-From	56 pif at -1 50 to 56 pif at 7 00	TC-From	56 pif at -1 50 to 56 pif at 7 00
TC-From	28 pif at 7 00 to 28 pif at 23 00	TC-From	28 pif at 7 00 to 28 pif at 23 00
TC-From	28 pif at 23 00 to 28 pif at 31 33	TC-From	28 pif at 23 00 to 28 pif at 31 33
TC-From	56 pif at 31 33 to 56 pif at 39 83	TC-From	56 pif at 31 33 to 56 pif at 39 83
TC-From	5 pif at -1 50 to 5 pif at 0 00	TC-From	5 pif at -1 50 to 5 pif at 0 00
TC-From	20 pif at 0 00 to 20 pif at 7 03	TC-From	20 pif at 0 00 to 20 pif at 7 03
TC-From	10 pif at 7 03 to 10 pif at 12 00	TC-From	10 pif at 7 03 to 10 pif at 12 00
TC-From	10 pif at 12 00 to 10 pif at 24 00	TC-From	10 pif at 12 00 to 10 pif at 24 00
TC-From	20 pif at 24 00 to 20 pif at 31 30	TC-From	20 pif at 24 00 to 20 pif at 31 30
TC-From	5 pif at 31 30 to 5 pif at 38 33	TC-From	5 pif at 31 30 to 5 pif at 38 33
TC-From	169 81 lb Conc Load at 9 06,11 06,13 06 15 06	TC-From	169 81 lb Conc Load at 9 06,11 06,13 06 15 06
TC-From	17 06 19 06 19 27 21 27 23 27 25 27,27,29 27	TC-From	17 06 19 06 19 27 21 27 23 27 25 27,27,29 27
TC-From	BC- 455 39 lb Conc Load at 7 03 31 30	TC-From	BC- 455 39 lb Conc Load at 7 03 31 30
TC-From	BC- 127 34 lb Conc Load at 9 06,11 06,13 06 15 06	TC-From	BC- 127 34 lb Conc Load at 9 06,11 06,13 06 15 06
TC-From	17 06 19 06 19 27 21 27 23 27 25 27,27,29 27	TC-From	17 06 19 06 19 27 21 27 23 27 25 27,27,29 27

In lieu of structural panels use purlins to brace all flat TC @ 24 0C

PLT TYP Wave
Design Crit FBC2010Res/TP1-2007 (STD)
FT/RT=10%(0%/0/0)

12.03.04
QTY: 1
FL/-/5/-/R/-
Scale = .1875"/Ft.



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 and follow the latest edition of BCSI (Building Components Safety Information) by TPI and WTC (Wood Truss Council of America) 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. Locate one shown for permanent lateral restraint of webs. Shall have bracing installed per BCSI, section 83.87 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any truss to be built in conformance with ANSI/TPI 1 or for handling, shipping or installation shall be marked with the ITWBCG logo. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1 Section 2. For more information on seal specifications, refer to the Building Designer per ANSI/TPI 1 Section 2. This job is the property of ITWBCG. ITWBCG www.tobeg.com TPI www.tpi.net.org WTC www.wtcindustry.com
IDC www.idcinc.org



TC LL	20.0 PSF	REF	R9114- 19115
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HUSP9114 14006047
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	37.0 PSF	SEQN-	338137
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131 x3 min nails

lop	Chord	1 Row	@12	00	o c
Bot	Chord	1 Row	@12	00	o c

Webbs	1 Row	@ 4" o c
Doc Mirold	1 Row	@ 4" o c

Use equal spacing between rows and stagger nails

in each row to avoid splitting

120 mph wind 15 00 ft mean hgt. ASCE 7-10, CLOSED bldg, not located

within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf,

wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWERS

WILLIAM L. BROWN, JR.

Calculated horizontal deflection is 0.14" due to live load and 0.18"

due to dead load

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

20

Bottom checked for 10 00 def non-concurrent live load

bottom chord checked for 10 00 psi non-concurent live load

Deflection meets L/240 live and L/180 total load Creep increase

factor for dead load is 1.50

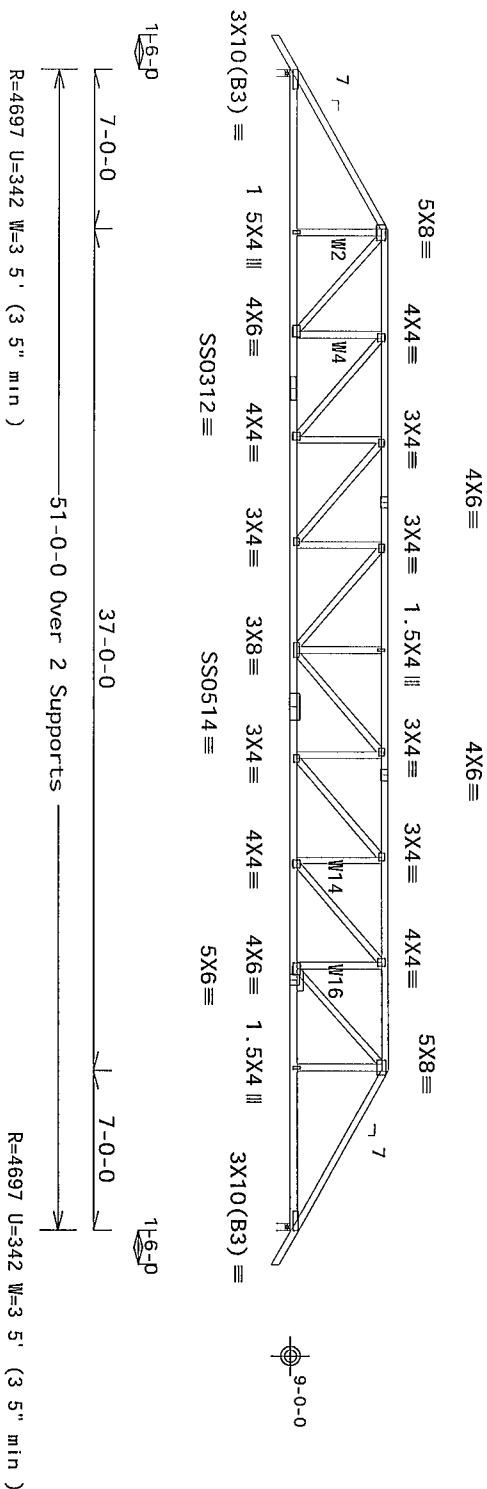
Calculated vertical deflection is 0.63 due to live load and 0.80 due

to dead load at $X = 25-6-C$

WADSWORTH UNIVERSITY

Special care must be taken during handling, shipping and installation. Please refer to the installation manual for more details.

of trusses See WARNING note below



PLT TYP 18 Gauge HS, Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
-------------	--

12.03.04 08:55 13

QTY:1

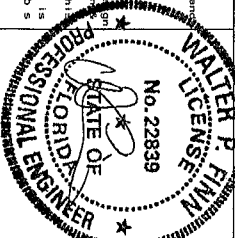
FL/-/5/-/-/R/-

Scale = .125"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19116
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCSR9114 14006052
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD	37.0 PSF	SEON-	337602
DUR. FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V21487_Z02

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with 13B" use design values approved
1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

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

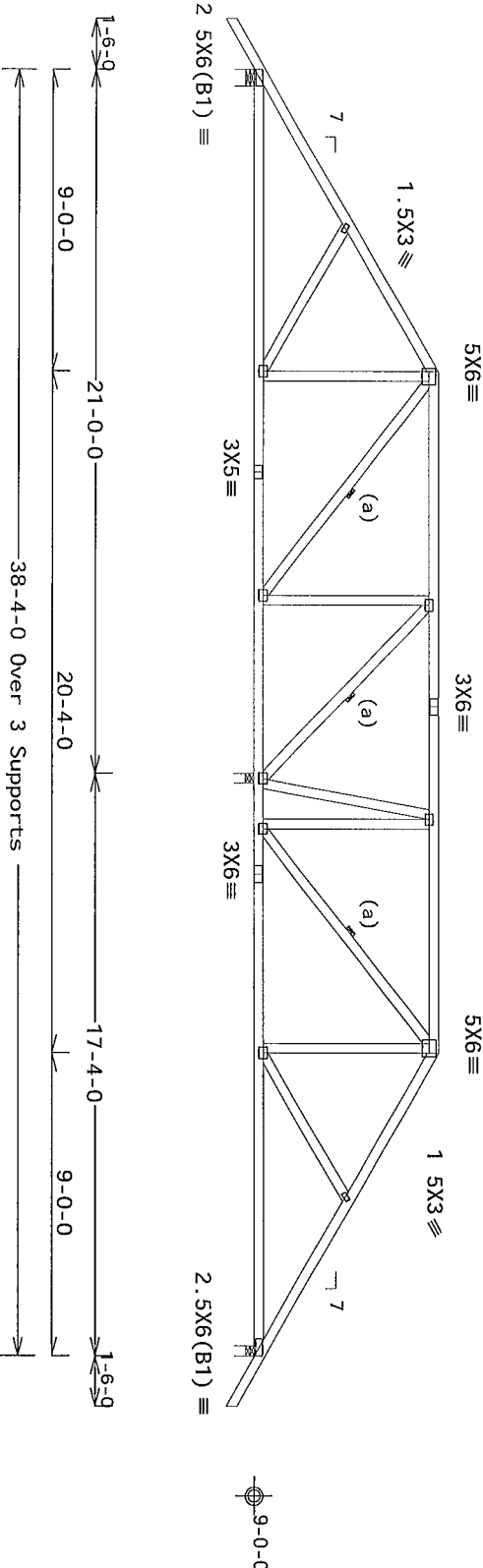
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS 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 Creep increase
factor for dead load is 1 50

WARNING! This truss is not symmetric, but its exterior
geometry makes erection error more probable It is imperative
that this truss be installed properly Truss manufacturer is
to mark this truss for proper erection



R=815 U=31 W=6" (6" min)
RL=108/-108

R=1702 U=80 W=3 5" (3 5" min)

R=668 U=22 W=3 5" (3 5" min)

Note All Plates Are 3X4 Except As Shown

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave

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

12.03.04 0226.13

QTY:1

FL/-/5/-/R/-

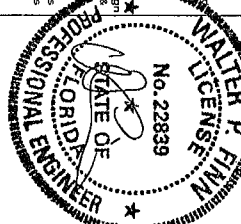
Scale = .1875"/Ft.

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ITW Building Components Group Inc.

Orlando FL 32837
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 shipping, handling, and bracing. Refer to and
follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTC 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 of webs
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 time to build the truss in conformance with ANSI/TPI 1 or for handling shipping, installation,
or use of the truss. The user shall be responsible for the design and use of the truss. The user shall
decide if the truss is suitable for the intended use. The user shall be responsible for the design and use of the truss.
drawing or cover page listing this design. The user shall be responsible for the design and use of the truss.
responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information on see this job's
general notes page ITW BCG www.itwbcg.com TPI www.tpinet.org WTC www.stc-industry.com
ITW BCG www.itwbcg.com TPI www.tpinet.org WTC www.stc-industry.com



TC LL	20 0 PSF	REF R9114- 19117
TC DL	7.0 PSF	DATE 01/06/14
BC DL	10.0 PSF	DRW HCUS9114 14006050
BC LL	0 0 PSF	HC-ENG SSB/WPF
TOT LD	37 0 PSF	SEON- 337590
DUR.FAC.	1 25	FROM JMW
SPACING	24.0"	JREF- 1V21487_Z02

(13-296A--BRYAN ZECHER /Greenbrier 1087F - William -- Lake City, FL - H9A 51 Steppdown Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with '13B' use design values approved
1/30/2013 by ALSC

Calculated horizontal deflection is 0.13" due to live load and 0.17"
due to dead load

Bottom chord checked for 10.00 psf non-concurrent live load

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

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

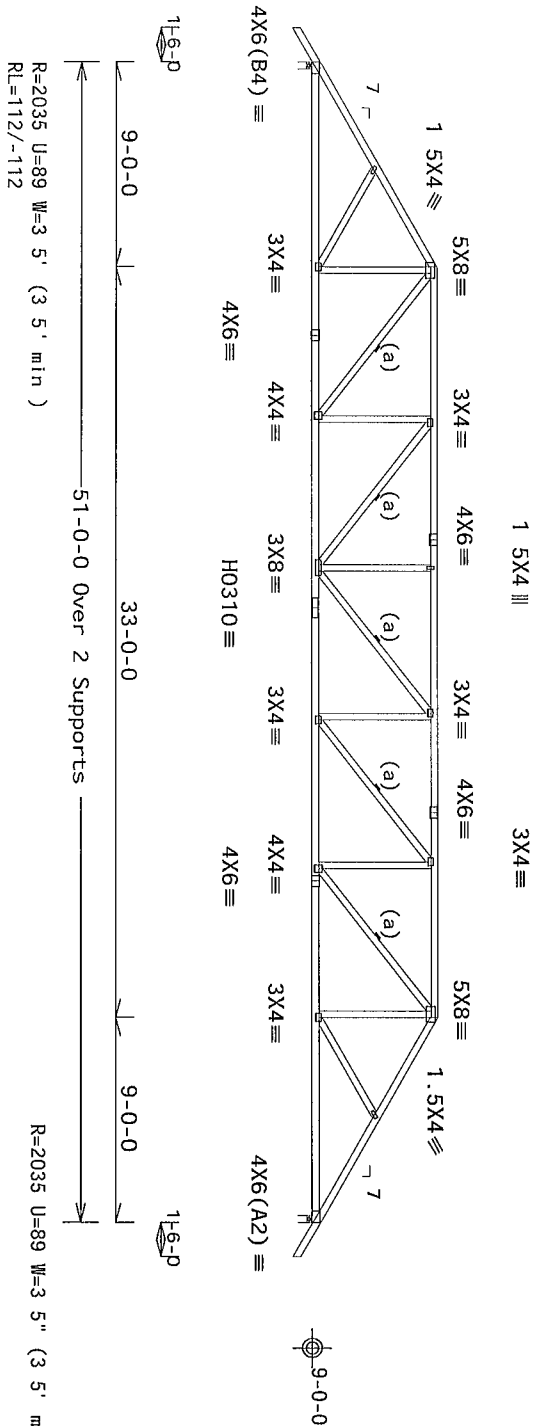
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 6.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf,
wind BC DL=5.0 psf GCP(+/-)=0.18

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

(a) Continuous lateral restraint equally spaced on member
In lieu of structural panels use purlins to brace all flat TC @ 24'
OC

Calculated vertical deflection is 0.45" due to live load and 0.59" due
to dead load at X = 22-2-12

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



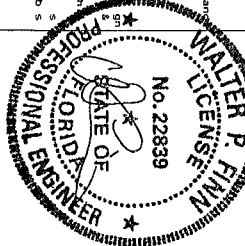
PLT TYP 20 Gauge HS Wave
Design Crit FBC2010Res/TPI-2007(STD)
RT/RT=10%(0%)/0(0)

12.03.04.0326.13 QTY. 1 FL/-/5/-/-/R/- Scale = 125"/Ft.

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ITW Building Components Group Inc.
Orlando FL 32837
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses are to be erected in the order shown on this drawing. Before so
follow the latest edition of BCS (Building Component Safety) for details
practices prior to performing these functions. Installers shall provide temporary bracing per BCS
Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord
shall have a properly attached rafter girding. Locate on shown for permanent lateral restraint of web.
shall have bracing installed per BCS section B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
any future building code or local ordinance. The user shall be responsible for any deviation from this design
drawing of trusses. Apply bracing to each face of truss and post on as shown above and on the job site
Drawings are for information only. The user shall be responsible for any deviation from this design
drawing or cover page 1 of this drawing. The user shall be responsible for any deviation from this design
responsibility of the building designer per ANSI/TPI 1 Section 2. For more information on see this job's
the responsibility of the building designer per ANSI/TPI 1 Section 2. For more information on see this job's
general notes page ITW BCG www.itwbcg.com TPI www.tpi.net.org ITCA www.stc-industry.com This job's
ITC www.itcsteel.org



TC LL	20.0 PSF	REF	R9114-19118
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCSR9114 14006051
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD	37.0 PSF	SEON-	337597
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF	1V2T487_202

01/07/2014

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

Lumber grades designated with 13B use design values approved 1/30/2013 by ALSC

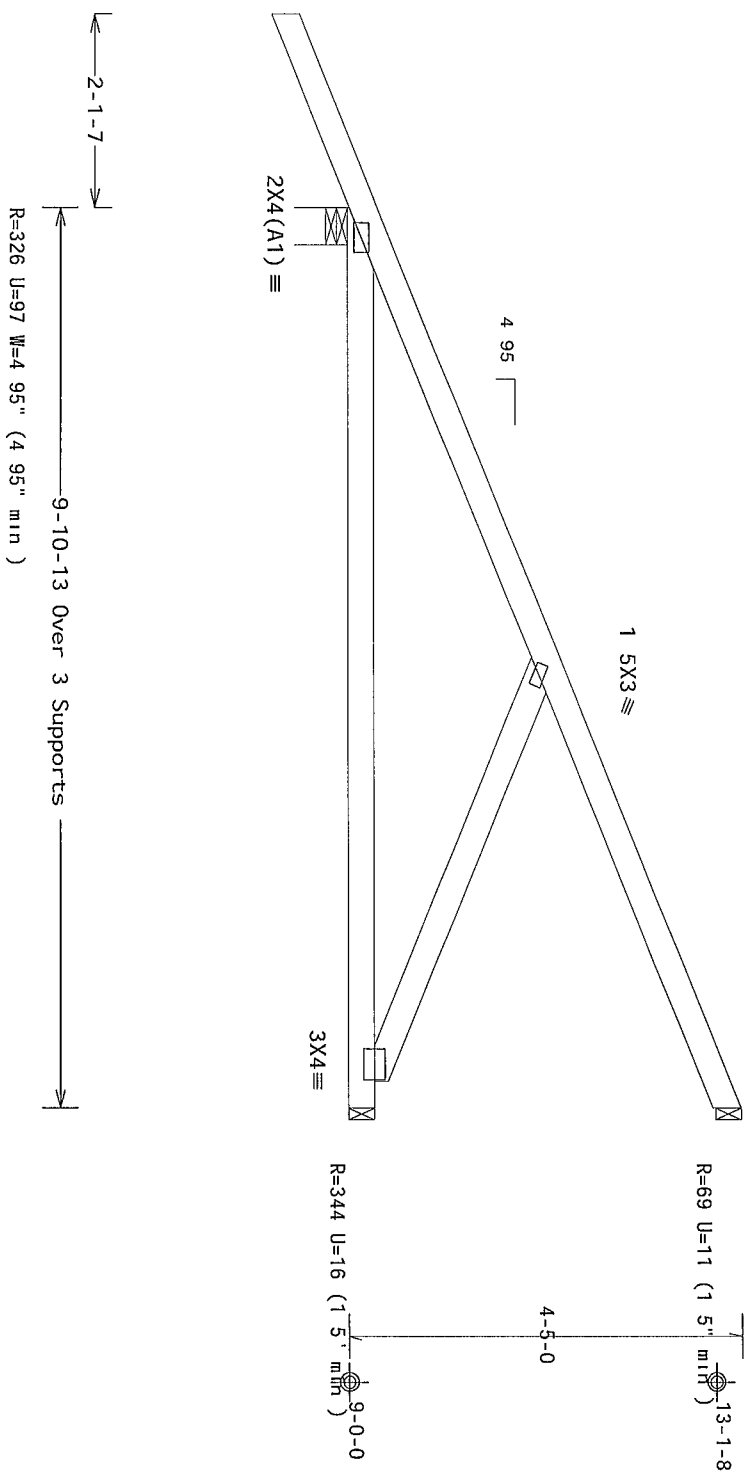
120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP1 (+/-)=0.18

Wind loads and reactions based on MWFRS

Bottom chord checked for 10 00 psf non-concurrent live load

Special loads	Dur	Fac = 1.25	/	Plate	Dur	Fac = 1.25)
-----Lumber						
TC-From	0	pif at -2	12	to	55	pif at 0 00
TC-From	2	pif at 0	00	to	2	pif at 9 90
BC-From	0	pif at -2	12	to	4	pif at 0 00
BC-From	2	pif at 0	00	to	2	pif at 9 90
TC--34 00	1b	Conc	Load at	1	48	
TC-129 74	1b	Conc	Load at	4	31	
TC-240 88	1b	Conc	Load at	7	13	
BC-15 06	1b	Conc	Load at	1	48	
BC-103 77	1b	Conc	Load at	4	31	
BC-180 92	1b	Conc	Load at	7	13	

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



PLT TYP Wave

Design Crit.	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
1.1.1.1	100%
1.1.1.2	100%
1.1.1.3	100%
1.1.1.4	100%
1.1.1.5	100%
1.1.1.6	100%
1.1.1.7	100%
1.1.1.8	100%
1.1.1.9	100%
1.1.1.10	100%
1.1.1.11	100%
1.1.1.12	100%
1.1.1.13	100%
1.1.1.14	100%
1.1.1.15	100%
1.1.1.16	100%
1.1.1.17	100%
1.1.1.18	100%
1.1.1.19	100%
1.1.1.20	100%
1.1.1.21	100%
1.1.1.22	100%
1.1.1.23	100%
1.1.1.24	100%
1.1.1.25	100%
1.1.1.26	100%
1.1.1.27	100%
1.1.1.28	100%
1.1.1.29	100%
1.1.1.30	100%
1.1.1.31	100%
1.1.1.32	100%
1.1.1.33	100%
1.1.1.34	100%
1.1.1.35	100%
1.1.1.36	100%
1.1.1.37	100%
1.1.1.38	100%
1.1.1.39	100%
1.1.1.40	100%
1.1.1.41	100%
1.1.1.42	100%
1.1.1.43	100%
1.1.1.44	100%
1.1.1.45	100%
1.1.1.46	100%
1.1.1.47	100%
1.1.1.48	100%
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1.1.1.50	100%
1.1.1.51	100%
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1.1.1.55	100%
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1.1.1.59	100%
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1.1.1.61	100%
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1.1.1.69	100%
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1.1.1.79	100%
1.1.1.80	100%
1.1.1.81	100%
1.1.1.82	100%
1.1.1.83	100%
1.1.1.84	100%
1.1.1.85	100%
1.1.1.86	100%
1.1.1.87	100%
1.1.1.88	100%
1.1.1.89	100%
1.1.1.90	100%
1.1.1.91	100%
1.1.1.92	100%
1.1.1.93	100%
1.1.1.94	100%
1.1.1.95	100%
1.1.1.96	100%
1.1.1.97	100%
1.1.1.98	100%
1.1.1.99	100%
1.1.1.100	100%

12.03.04

QTY:1

FL/-/5/-/-/R/-

Scale = .5"/Ft.

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Orlando FL, 32837
FL COA #0 278

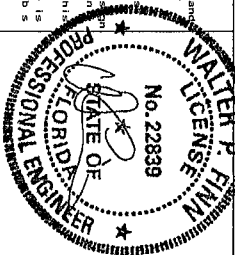
****IMPORTANT** FURNISH THIS DECISION TO ALL CONTRACTORS, INCLUDING INSTALLERS**

Tenusers require extreme care in fabricating, handling, air pigging, installing and bracing. Follow the latest edition of BCSI (Building Component Steeple Information) from TPI and WTCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unions noted otherwise, two chord shall have properly attached structural strength and become chord shall have bracing per BCSI sections 83, 87 or 810.

17M Building Component Group Inc. (17MBCG) shall not be responsible for any deviation from this document. If you have to build the truss in conformance with ANSI/TPI 1, you should use the design load and bracing of trusses. Apply details to each face of truss and post it as shown above and on the Joint Details, unless noted otherwise. Refer to draw ngs 180A-2 for standard p.c. post truss. A seal on this drawing or cover page listing this is drawing not a class abstraction of professional engineering. The responsibility of the build ng does not per ANSI/TPI 1, Sec 2. For more information see the general notes page. 17M-BCG www.twbog.com TPI www.tpinet.org WTCO www.sbcindustry.com

www.sbc.org

CCC



~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19120
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCUSR9114 14006060
BC LL	0.0 PSF	HC-ENG	SSB/MMP
TOT.LD.	37.0 PSF	SEON-	337735
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V121487_Z02

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

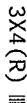
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI (+/-)=0 18

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

Right end vertical not exposed to wind pressure
MMFES loads based on trusses located at least 15 00 ft from roof edge

1.5X3 III

1 5X3 ≡

$$\frac{6-1-9}{2-1-7}$$


9-10-8 Over 2 Supports

R=362 U=3
H=H1

Design Crit	FBC2010Res/TP1-2007(Std) FT/RT=10%(0%)/0(0)
-------------	--

12.03.04-0886-13

QTY:4 FL/-/5/-/-/R/-

Scale = .375"/Ft.

WALTER P. F.

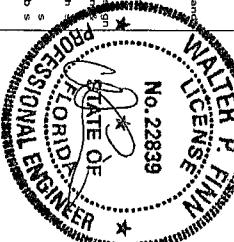
TC LL	20.0 F
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REF R9114- 1912:

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19121
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCUSR9114 14006062
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD	37.0 PSF	SEQN-	337726
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

120 mph wind within 9 00 ft wind BC DL=5 0	15 00 ft from roof edge psf GCPI(+/-)=0	mean hgt RISK CAT II	ASCE 7-10 EXP B	CLOSED bidg not located	TC DL=3 5 psf
--	---	-------------------------	--------------------	----------------------------	------------------

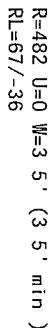
Wind loads and reactions based on MMFRS with additional C&C member design

Right end vertical not exposed to wind pressure

Hanger specified assumes connection to supporting chord is located minimum of five times the depth of the supporting chord from any unsupported end unless unsupported chord end has 85% plating coverage

In lieu of structural panels use purlins to brace all that @ 24" OC

Deflection meets L/240 live and L/180 total load creep increases factor for dead load is 1.50



Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

12.03.04-0826-13

QTY:1

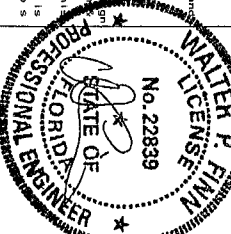
FL/-/5/-/-/R/-

Scale = .375"/Ft.

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

ALPINE

ITW Building Components Group Inc
Orlando FL, 32837
FL COA #0 278



01/07/2014

TC LL	20 0 PSF	REF	R9114- 19122
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCUSR9114 14006061
BC LL	0.0 PSF	HC-ENG	SSB/MPPF
TOT LD	37 0 PSF	SEON-	337742
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

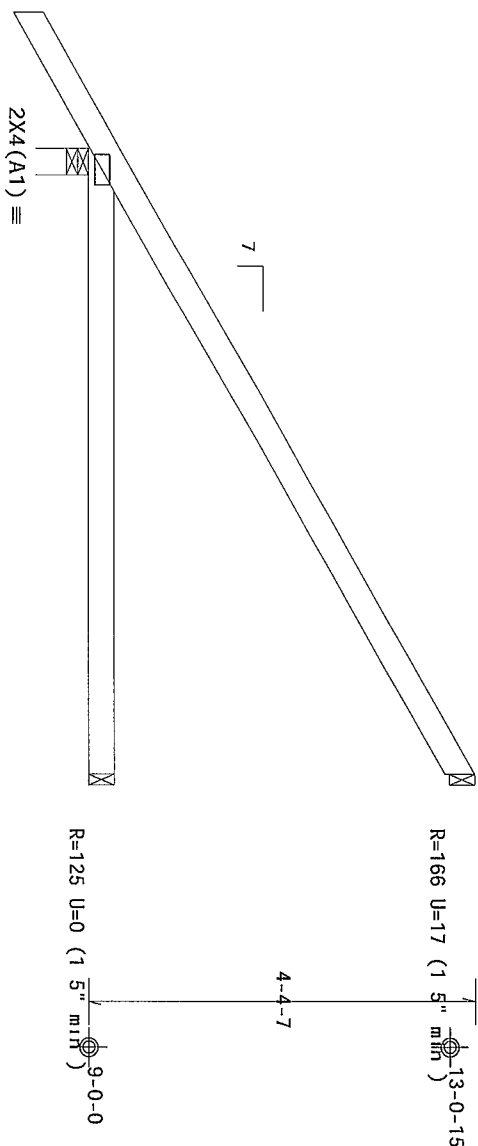
Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

MMFRS loads based on trusses located at least 30 00 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf 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 Creep increase factor for dead load is 1.50



←1-6-0→
6-10-8 Over 3 Supports
R=371 U=0 W=3 5 (3 5' min)
RL=54/-31

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

12.03.04

QTY:15 FL/-/5/-/-/R/-

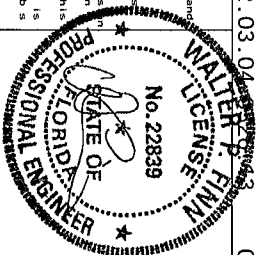
Scale = .5"/Ft.

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

STYLING

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19123
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCUSR9114 1406068
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT.LD.	37.0 PSF	SEQN-	337719
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

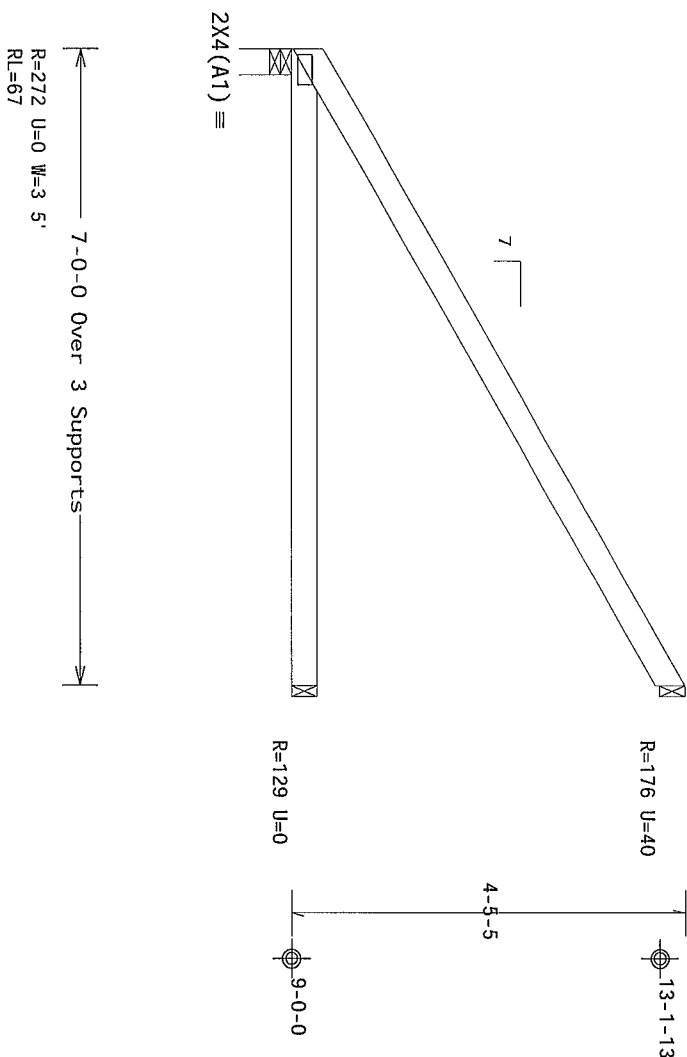
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 450 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI (+/-)=0 18

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



PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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12.03.04

QTY:2 FL/-/5/-/-/R/-

Scale = 5"/Ft.

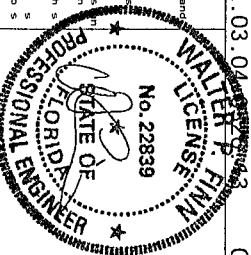
ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

These rules were set in place regarding shipping, handling, and use of BCS. Refer to the latest edition of BCS (Bu. of Component Safety Information) for TPI and WTA for safety practices and to perform on these functions. Insulators shall provide temporary brace per BCS. Units not otherwise specified shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter or ceiling. Load cases shown for permanent lateral restraint of web shall have brace installed per BCS section 8.7 or BCS or B10 as applicable.

[illegible]

TC LL	20.0 PSF	REF	R9114- 19124
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14007023
BC LL	0.0 PSF	HC-ENG	JB/MPP
TOT LD	37.0 PSF	SEQN-	338873
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V2T487_Z02

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

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

End verticals not exposed to wind pressure

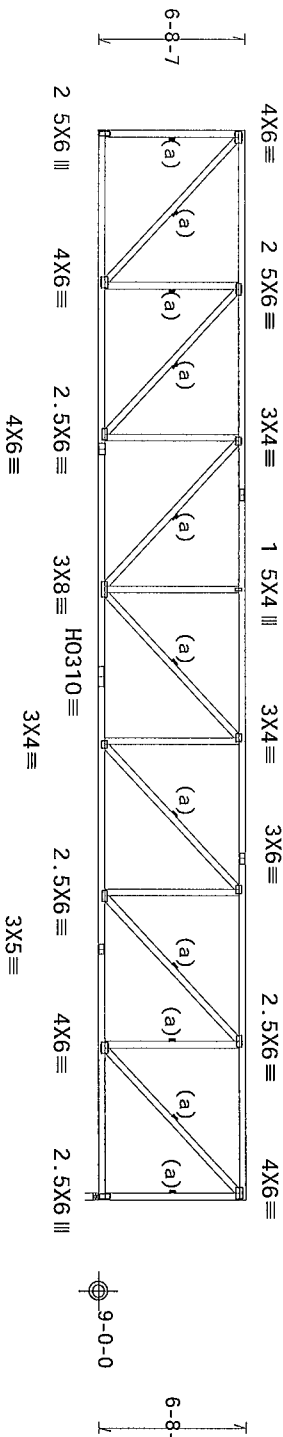
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

These support conditions used at bearings indicated (H1) = LU24 w/ (3)2x8 SP SS-13B supporting member into supporting member, into supported member

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

Truss must be installed as shown with top chord up

3X6 =

 $3 \times 4 =$ 

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.

MMFRS loads based on trusses located at least 7 85 ft from roof edge

120 mph wind within 6 50 ft wind BC DL=5 0 psf
15 70 ft mean hgt., ASCE 7-10, CLOSED bldg, not located on roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf
GCp1(+/-)=0 18

Max JT VERT DEFL LL 0 26" DL 0 33" See detail DEFLCAMB0813 for camber recommendations. Roofs incorporating this truss require consideration for ponding design by Building Designer

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member
Bottom chord checked for 10 00 psf non-concurrent live load

47-0-0 Over 2 Supports
R=1739 U=87
I=H1

R=1739 U=87 W=3 5"

PLT TYP 20 Gauge HS, Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

12 03.04.2013

QTY:1

FL/-/5/-/-/R/-

Scale = .125"/Ft.

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

CONFIDENTIAL

TC LL	20.0
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REF R9114- 1912

Trusses, roof or eave structure, care in their cutting, handling, and piling, installing, and bracing. Refer to the latest edition of BCSI Building Component Safety Information on by TPI and WDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI Unbraced eave or roof top chord shall have properly attached structural sheath and bottom chord shall have a properly installed r g d c line. Load on show for permanent lateral restraint of web shall have bracing attached per BCSI section B3, B7 or B10 as applicable.

LIBRARY
No. 22839

TC DL	7.0 PSF
BC DL	10.0 PSF

DATE	01/06/14
DRW	HCUSR9114 140060C

ITW Building Components Group Inc
Orlando FL, 32837
FL COA #0 278

www.ccsafe.org
 www.twbcg.com
 www.tpinst.org
 www.sdc.industry.com

01/07/2014

SPACING 24.0"

JREF - 1V2T487_Z0

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf 60pi (+/-)=0 18

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

C&C member

Max JT VERDEFL LL 0 21" DL 0 28" See detail DEFLICAIB0813 for camber recommendations Roofs incorporating this truss require consideration for ponding design by Building Designer

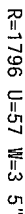
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

(a) Continuous lateral restraint equally spaced on member

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

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



Scale = .125"/Ft.

Orlando FL, 32837
FL COA #0278

A circular professional engineer seal for the State of Florida. The outer ring contains the text "WALTER P. FINN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by stars. The inner circle contains the text "STATE OF FLORIDA" on the left and "LICENSE" on the right, with "No. 22839" in the center. A stylized signature is written across the seal.

TC LL	20.0 PSF	REF R9114- 19126
TC DL	7.0 PSF	DATE 01/06/14
BC DL	10.0 PSF	DRW HCU89114 1400605
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT. LD.	37 0 PSF	SEQN- 337810
DUR. FAC.	1.25	FROM JANU
SPACING	24.0"	JREF- 1V2T487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf G6p1 (+/-)=0 18

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

Max JT VERT DEFL LL 0 18" DL 0 25" See detail DEFLCAMB0813 for camber recommendations

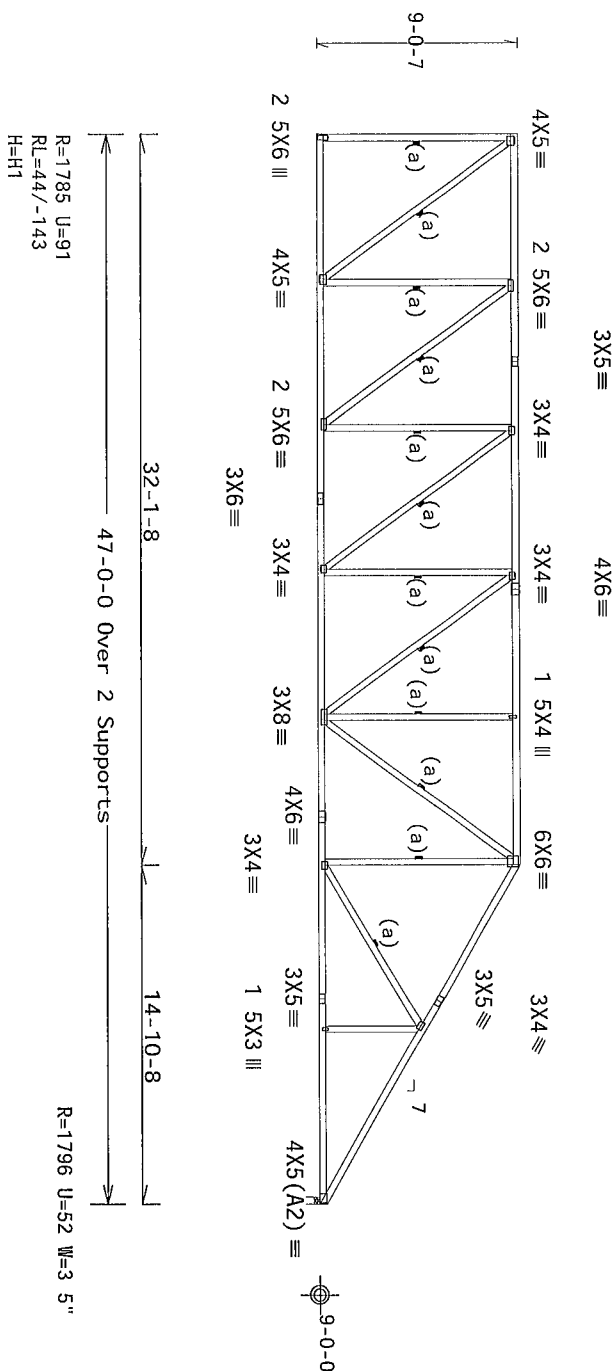
consideration for ponding design by Building Designer

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

Deflection meets L/240 live and L/180 total load Creep increases

factor for dead load is 1.50

MMFRS loads based on trusses located at least 7 50 ft from roof edge



Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)

QTY:1

Scale = .125"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

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

Trusses tend to be extremely cheap in fabric, cut and handling. Installing and bracing them to meet the latest edition of BCOS (Building Component Safety Information) by TPI and WITCA for safety practices prior to or perform any these trusses. One installer shall provide temporary bracing per BCOS. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCOS section 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 to this design or to follow the instructions of this design shall be the responsibility of the fabricator. Details, unless noted otherwise. Refer to draw nos. 180A-2 for standard plate positions. A seal on the drawing or cover plate listing this drawing. The seal acceptance of Professional engineering responses by TPI solely for the design shown. The seal approval and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see This job is general notes page. ITW-BCG www.itwbcg.com TPI www.tpi.net WITCA www.theindustry.com

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build to this design or to follow the instructions of this design shall be the responsibility of the fabricator. Details, unless noted otherwise. Refer to draw nos. 180A-2 for standard plate positions. A seal on the drawing or cover plate listing this drawing. The seal acceptance of Professional engineering responses by TPI solely for the design shown. The seal approval and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see This job is general notes page. ITW-BCG www.itwbcg.com TPI www.tpi.net WITCA www.theindustry.com

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom, separated by two stars. The inner circle contains the name "WALTER P. FINN" at the top, "LICENSE" at the bottom, and the license number "No. 22839" in the center. A stylized signature is written across the seal.

TC LL	20.0 PSF	REF R9114- 19127
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUR9114 1400702
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 338705
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V2T487_Z02

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B use design values approved
1/30/2013 by ALSC

Left end vertical not exposed to wind pressure

(J) Hanger Support Required, by others

(a) Continuous lateral restraint equally spaced on member

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5
psf, wind BC DL=5 0 psf GCpl(+/-)=0 18

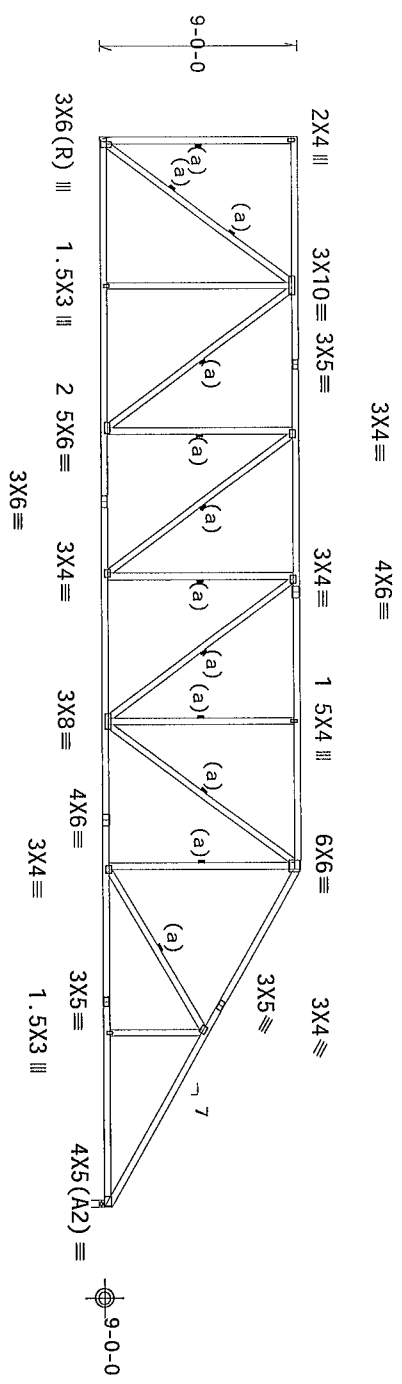
Wind loads and reactions based on MMFRS with additional C&C member
design

Max JT VERT DEFL LL 0 17" DL 0 23" See detail DEFLCMB0813 for
camber recommendations Roofs incorporating this truss require
consideration for ponding design by Building Designer

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

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50

MMFRS loads based on trusses located at least 15 00 ft from roof
edge



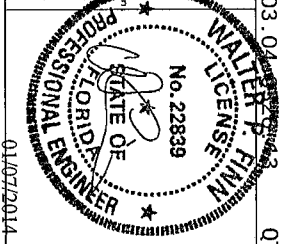
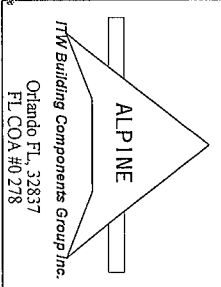
32'-2.4"
47'-0.0" Over 2 Supports
14'-9.12"
R=1785 U=48
RL=44/-95
H=H1
R=1796 U=0 W=3 5"

PLT TYP Wave Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

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 and follow the latest edition of BCSI (Building Component Safety Information) by TPI and WIDA for safety practices prior to or during 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 section 63 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/TPI or other standards shall be the responsibility of the fabricator. ITWBCG shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI or other standards shall be the responsibility of the fabricator. ITWBCG shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI or other standards shall be the responsibility of the fabricator.



QTY:1	FL/-/5/-/-/R/-	Scale = .125"/Ft.
TC LL	20.0 PSF	REF R9114- 19128
TC DL	7 0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14007025
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT LD	37.0 PSF	SECON- 338478
DUR. FAC.	1.25	FROM JMMW
SPACING	24.0"	JREF- 1V2T487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gcpi(+/-)=0 18

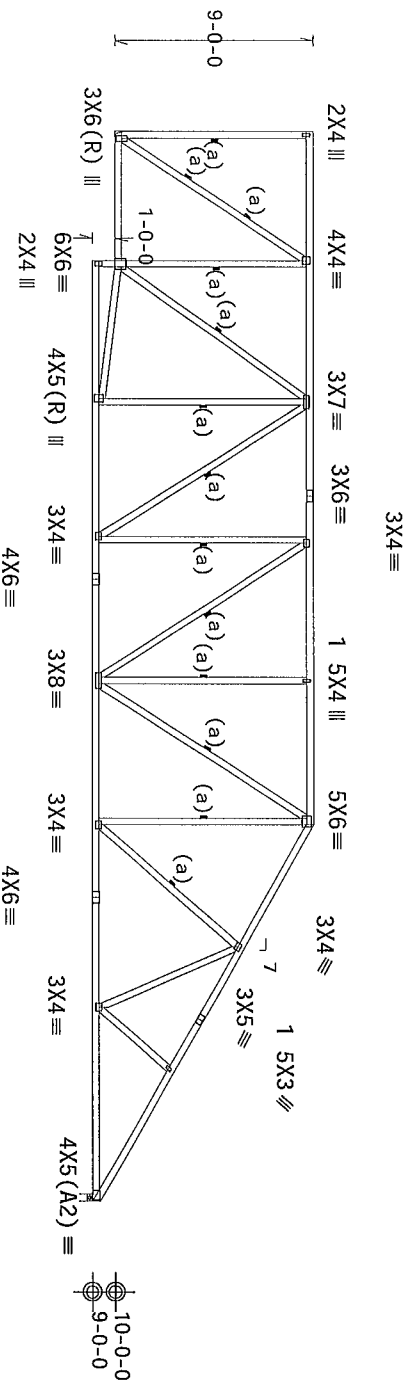
Wind loads and reactions based on MMFRS with additional C&C member design

Max JT VERT DEFLL 0 16" DL 0 22" See detail DEFLCAMB0813 for camber recommendations
Roofs incorporating this truss require consideration for ponding design by Building Designer

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

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

MMWFRS loads based on trusses located at least 15 00 ft from roof edge



R=1796 U=0 W=3 5"

12.03.04 QTY:1 FL/-/5/-/-/R/- Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R9114- 19129
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No. 22839

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

This job
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see
General notes page 1/19-BG6 www.tb6g.com TPI www.tpinet.org WDA www.sbcindustry.com
ICC www.ccsafe.org

01/07/2014

TC LL	20.0 PSF	REF	R9114- 19129
TC DL	7 0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	H05R9114 14007026
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	338472
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

2 COMPLETE TRUSSES REQUIRED

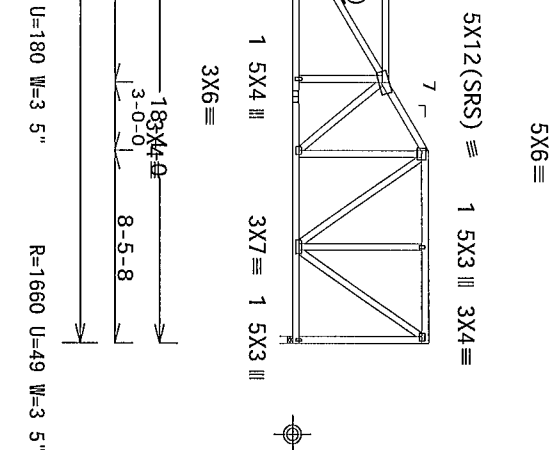
Top Chord	1 Row	@12 00"	o c
Bot Chord	1 Row	@12 00	o c
Webs	1 Row	@ 4" o c	

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

Wind loads and reactions based on MWFRS
End verticals not exposed to wind pressure
Max. JT VERT DEF. LL 0 15 DL 0 21" See detail DEFLCAMB0813 for
camber recommendations. Roofs incorporating this truss require
consideration for ponding design by Building Designer
(J) Hanger Support Required, by others

In lieu of structural panels use purlins to brace all Flat TC @ 24 OC

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



Scale = .125"/Ft.



TC LL	20.0 PSF	REF	R9114- 19130
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14007039
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT.LD	37.0 PSF	SEQN-	338880
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V21487_Z02

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

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

Max JT VERT DEFL LL 0 40" DL: 0 55" See detail DEFLCAMB0813 for

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating

(a) Continuous lateral restraint equally spaced on member

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factor for dead load is 1.50

MMFRS loads based on trusses located at least 7.71 ft from roof edge

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

12.03.04

QTY:1

FL/-/5/-/-/R/-

Scale = .125"/Ft.

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
BEARING IN MIND AND FOLLOW ALL NOTES ON THIS SHEET!

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-28-2001 BY 60322 UCBAW

2000

TC LL 20.0 H

REF R9114- 19137

practitioner or to performing these functions. Installers shall provide temporary bracing per BCS1 to follow the installation of BCS1 (but not any component safety information by IPI and WCA) for safety.

Ms. 22028

100

100

DATE	01/08/14
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shall have bracing installed per BCS1 sections B3 B7 or B10 as applicable

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不滿意

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any failure to build the cruss in conformance with ANSI/HPI-1 or forming snppng install on
braing of crusses Apply plates to each face of cruss and posit on as shown above and on the joint

The seal of the Federal Bureau of Investigation (FBI) is partially visible on the right edge of the document. It features a circular design with the words "DEPARTMENT OF JUSTICE" and "FEDERAL BUREAU OF INVESTIGATION" around the perimeter. In the center, there is a shield with various symbols, including a scale of justice and a sword. The seal is partially cut off by the right edge of the page.

100

TOT ID 37.0 F

SFON- 338087

responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Department and AEC/TD 1-2-2-2. For more information, see the Building Department and AEC/TD 1-2-2-2. For more information, see the Building Department and AEC/TD 1-2-2-2.

ADDITIONAL ENTRIES

DUR. FAC. 1.25

FROM JMW

ICC www.iccsafe.org

01/10

4

SPACING 24.0

JREF- 1V21481_202

(13-296A--BRYAN ZECHER /Greenbrier 1087F - Willia -- Lake City, FL - PBA1 20'10"7 Steepdown Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

120 mph wind, 18.71 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9.00 ft from roof edge, RISK CAT 11, EXP B wind TC DL=3.5 psf,
wind BC DL=2.0 psf GCPI(+/-)=0.18

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

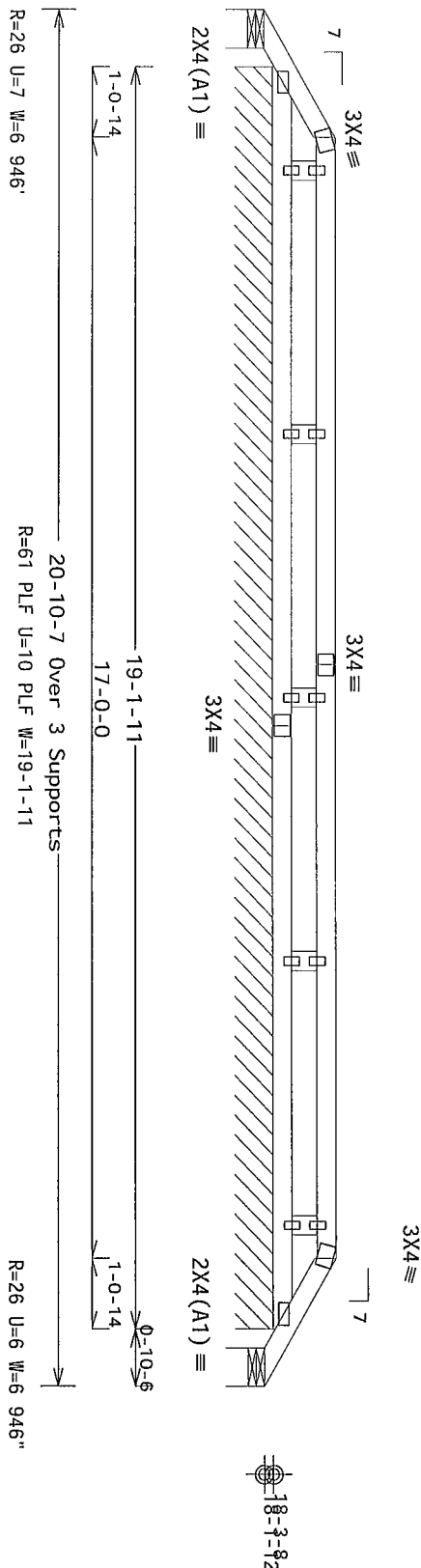
Refer to DWG PB160100212 for piggyback details

Special loads			
-----Lumber	Dur. Fac = 1.25 / Plate Dur. Fac = 1.25		
TC- From	56 pif at 0.00 to 56 pif at 1.94		
TC- From	56 pif at 1.94 to 56 pif at 18.94		
TC- From	56 pif at 18.94 to 56 pif at 20.87		
BC- From	4 pif at 0.00 to 4 pif at 20.87		

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 Creep increase
factor for dead load is 1.50

MMFRS loads based on trusses located at least 9.36 ft from roof edge

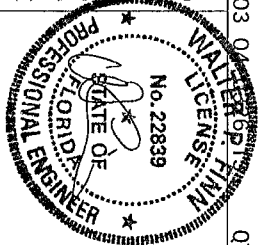


Note All Plates Are 1 5X3 Except As Shown
Design Crit FBC2010Res/TP1-2007(STD)
PLT TYP Wave FT/RT=10%(0%)/0(0)

ALPINE

Orlando FL, 32837
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, and bracing. Refer to and
follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTA 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 rafter ceiling. Locate one shown for permanent lateral restraint of webs.
TPI Building Components Group Inc. (TPI/BCG) 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 &
use of the truss. The user shall be responsible for obtaining all necessary permits and approvals. A seal on this
drawing or cover page listing the design shall be required. The manufacturer's seal on this 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/BCG www.tpiinc.com TPI www.tpiinc.com WTA www.sbcindustry.com This Job's
ICC www.iccinfo.org



QTY. 1		FL/-/5/-/-/R/-		Scale = 3/8" = 1'-0"	
TC LL	20.0 PSF	REF	R9114-19133		
TC DL	7.0 PSF	DATE	01/07/14		
BC DL	10.0 PSF	DRW	HCSR9114 14007027		
BC LL	0.0 PSF	HC-ENG	JB/WMP		
TOT LB	37.0 PSF	SECON	338493		
DUR. FAC	1.25	FROM	JMW		
SPACING	24.0"	JREF	1V2T487_Z02		

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

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

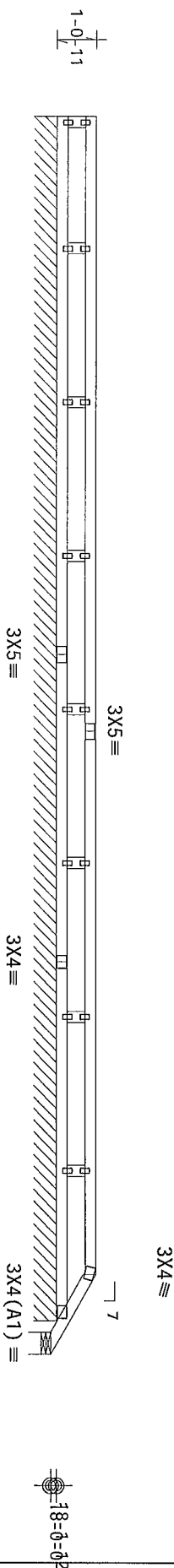
Wind loads and reactions based on MMFRS with additional C&C member design

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

MMFRS loads based on trusses located at least 9 30 ft from roof edge

Refer to DWG PB160100212 for piggyback details

Special loads
 ---Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
 TC-From 56 pif at 0 00 to 56 pif at 30 13
 TC-From 56 pif at 30 13 to 56 pif at 32 19
 BC-From 4 pif at 0 00 to 4 pif at 32 19
 120 mph wind, 18 60 ft mean hgt, ASCE 7-10, CLOSED bldg, not located,
 within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
 wind BC DL=2 0 psf GCPI(+/-)=0 18
 Deflection meets L/240 live and L/180 total load Creep increase
 factor for dead load is 1 50

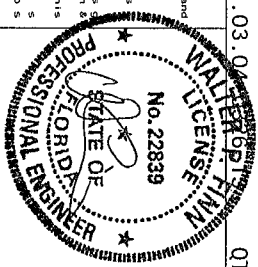


32-2-4 Over 2 Supports

Note	All Plates Are 1 5X3 Except As Shown
PLT TYP	Wave
	Design Crit
	FBC2010Res./TP1-2007(STD), FT/RT=10%(0%)/0(0)

ALPINE

Orlando FL, 32837
FL COA #0278

[illegible]

QTY. 1	FL/-/5/-/-/R/-	Scale = 25"/Ft.
TC LL	20.0 PSF	REF R9114- 19134
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10 0 PSF	DRW HCURS9114 14007028
BC LL	0.0 PSF	HC-ENG JB/W/PF
TOT LD	37.0 PSF	SEQN- 338497
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V21487_Z02

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

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

120 mph wind, 19 29 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DE=3 5 psf, wind BC DE=2 0 psf GCPI (+/-)=0 18

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

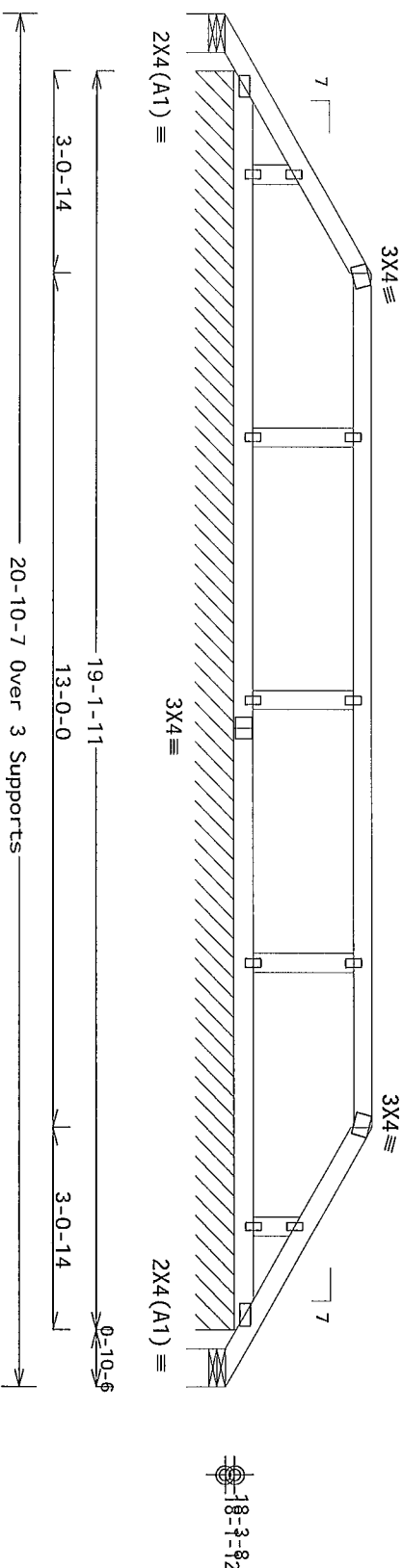
Refer to DWG PB160100212 for piggyback details

Special loads				
-----Lumber				
TC-From	Dur Fac =1	25 /	Plate	Dur Fac =1 (25)
TC-From	56 pif at	0 00 to	56 pif at	3 99
TC-From	56 pif at	3 94 to	56 pif at	16 99
TC-From	56 pif at	16 94 to	56 pif at	20 87
BC-From	4 pif at	0 00 to	4 pif at	20 87

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

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

MMFRS loads based on trusses located at least 19.29 ft from roof edge



R=25 U=14 W=6 946
RL=34/-34

R=61 PLF U=8 PLF W=19-1-11

R=25 U=4 W=6 946"

PLT TYP	Wave	Design Crit	FBC2010Res./TP1-2007(STD, FT/RT=10%(0%)/0(0)
Note	All Plates Are 1 5X3	Except As Shown	

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

12.03 04 26 13

QTY

FL/-/5/-/-/R/-

Scale = 375"/Ft.

ALPINE

ITW Building Components Group Inc.

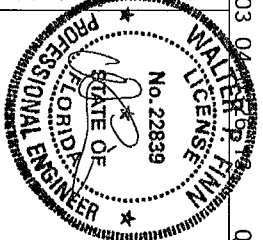
Orlando FL, 32837
FL COA #0 278

• IMPORTANT: •
• WORKING •
• READ AND FOLLOW ALL NOTES ON THIS SHEET •
• FURNISH THIS DESIGN TO ALL CONSTRUCTORS INCLUDING THE INSTALLERS •

Trussess require extreme care in their carrying hand ng an sp ng mett ng and bracing. Refer to and follow the latest edition of BS1 (Building Component Safety) Information by TPI and WTCa. For safety reasons, in order to performing these functions, installers shall provide temporary bracing per BS1. The use of any other bracing system shall be agreed in writing with the manufacturer. The use of any other bracing system shall have a properly attended r g d c n g Locat ns are shown for permanent lateral restraint of webs. Install have g n g mett ng per BS1 sections B3, B7 or B10 as applicable.

ITW Build ng Components Group Inc. (ITWBCG) shall not be responsible for any detail on from this design or any failure to build the trusses in conformance w th ANSI/TPI 1 or for handling any design detail or bracing of trusses. Apply plates to each face of the ANSI/TPI 1 or as shown above and on the Joist n g Details unless noted otherwise. Refer to draw ngs 180A-2 for standard plate pos tions. A seal on this drawing or cover plate stating th s drawing The seal acceptance of professional ng neering respons b l y for the Build ng des gn shown. The seal n g and use of this des gn for any structure is the respons b l y of the Build ng des gn ng per ANSI/TPI 1 Sec 2. For more informat on see Th s job s general notes page. ITW BCG www.itwbcg.com TPI www.tpinet.org WTCa www.abcdindustry.com

ITC www.itcscare.org



01/07/2014

TC LL	20.0 PSF	REF	R9114-19135
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14007029
BC LL	0.0 PSF	HC-ENG	JB/MMP
TOT. LD.	37.0 PSF	SEQN-	338484
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V2T487_Z02

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

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

120 mph wind, 19.88 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=2.0 psf GCPI (+/-)=0.18

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

Refer to DWG PB160100212 for piggyback details

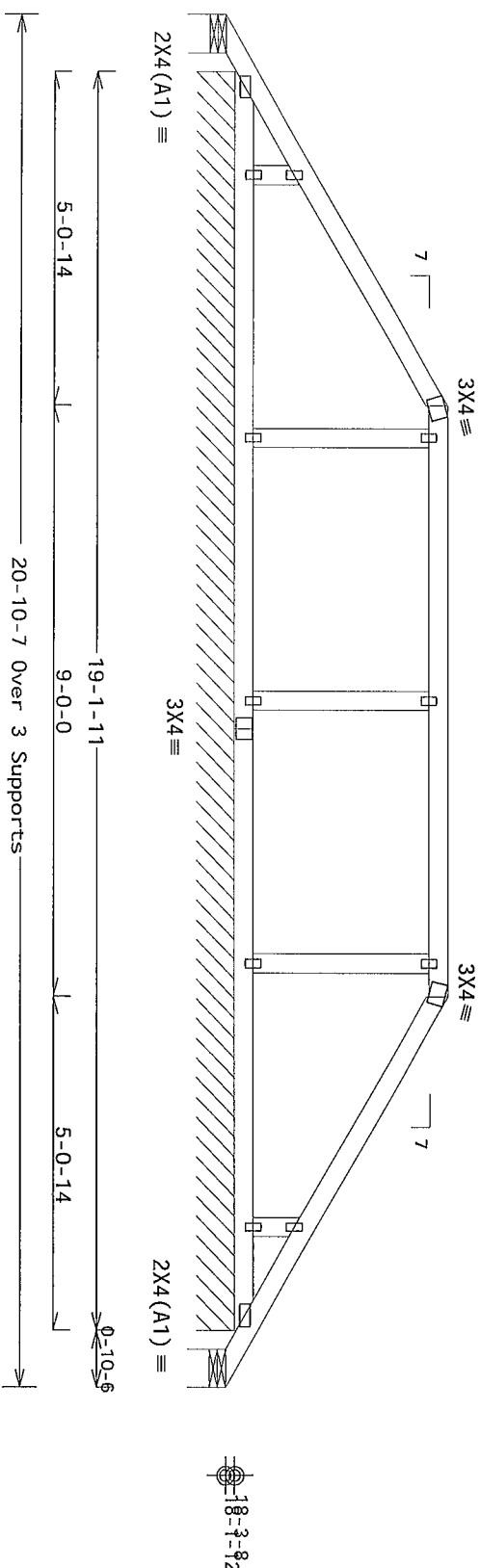
Special loads

-----Lumber	Dur Fac = 1 25 /	Plate Dur Fac = 1 25)
TC- From	56 pif at 0 00 to	56 pif at 5 94
TC- From	56 pif at 5 94 to	56 pif at 14 94
TC- From	56 pif at 14 94 to	56 pif at 20 87
BC- From	4 pif at 0 00 to	4 pif at 20 87

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 Creep increase factor for dead load is 1 50

MMFRS loads based on trusses located at least 19 88 ft from roof edge



R=26 R_w=31 U=24 W=6 946"
RL=53/-53

R=61 PLF U=6 PLF W=19-1-11

R=26 U=4 W=6 946"

Note All Plates Are 1 5X3 Except As Shown

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
-------------	--

12 03.04 0326 13

QTY:1

FL/-/5/-/-/R/-

Scale = 375"/Ft

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

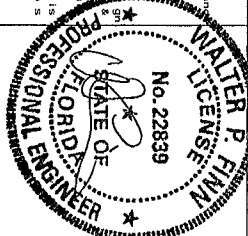
Trusses require extreme care in fabricating, handling, shipping and bracing. Refer to the latest edition of BCSI (Building Component Safety) information by TPI and WTCa for safety information on performing these functions. Installers shall provide temporary bracing per BCSI. Truss chord shift shall have properly attached structural sheathing and batten boards.

Small have bracing installed per BCSI section 83.87 or 810 as applicable

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



TC LL	20.0 PSF	REF	R9114-19136
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14007030
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT. LD.	37.0 PSF	SEQN-	338501
DUR. FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V2T487_Z02

(13-296A--BRYAN ZECHER /Greenbrier 1087F - William -- Lake City FL - PBA4 20'10 7 Steppdown Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with '13B' use design values approved
1/30/2013 by ALSC

120 mph wind, 20 46 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
wind BC DL=2 0 psf GCPI (+/-)=0 18

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

Refer to DWG PB160100212 for piggyback details

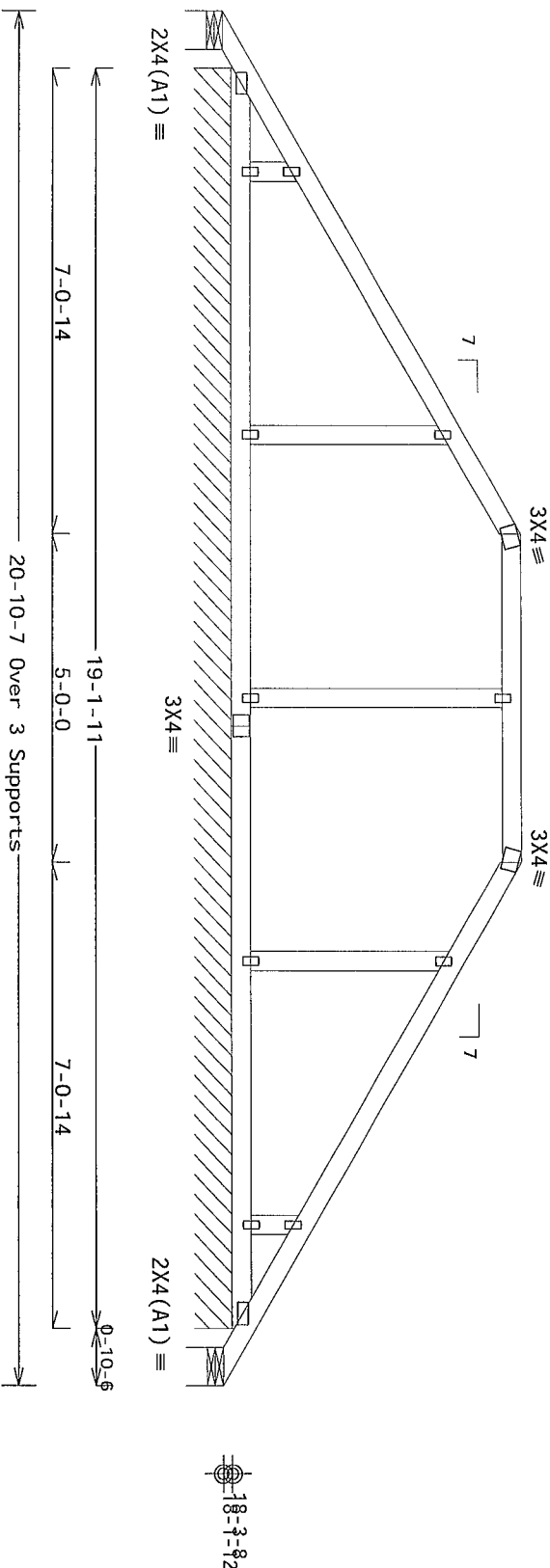
Special loads

-----Lumber	Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From	56 pif at 0 00 to 56 pif at 7 94
TC- From	56 pif at 7 94 to 56 pif at 12 94
TC- From	56 pif at 12 94 to 56 pif at 20 87
BC- From	4 pif at 0 00 to 4 pif at 20 87

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 Creep increase
factor for dead load is 1 50

MMFRS loads based on trusses located at least 20 46 ft from roof
edge



R=29 Rw=42 U=33 W=6 946
RL=73/-73

R=61 PLF U=4 PLF W=19-1-11

R=29 U=3 W=6 946"

Note All Plates Are 1 5X3 Except As Shown
Design Crt. FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04

QTY: 1

FL/-/5/-/-/R/-

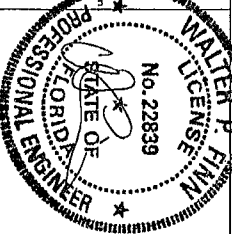
Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDA 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 of web shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, or bracing of the truss. The user of this design shall be responsible for the proper use of the design. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this design and the suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Section 2. For more information see the general notes page. ITW BCG www.itwbcg.com TPI www.tpi.net.org WDA www.bcg-industry.com This job is ITC www.locate.org



TC LL	20.0 PSF	REF R9114- 19137
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCSR9114 14007031
BC LL	0.0 PSF	HC-EMG JB/WPF
TOT. LD.	37.0 PSF	SEON- 338495
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V21487_202

01/07/2014

(13-296A--BRYAN ZECHEER /Greenbrier 1087F - William -- Lake City FL - PBA6 13.11.5 Common)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

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

In lieu of rigid ceiling use purlins to brace BC @ 24' 0C
MMFRS loads based on trusses located at least 21 03 ft from roof
edge

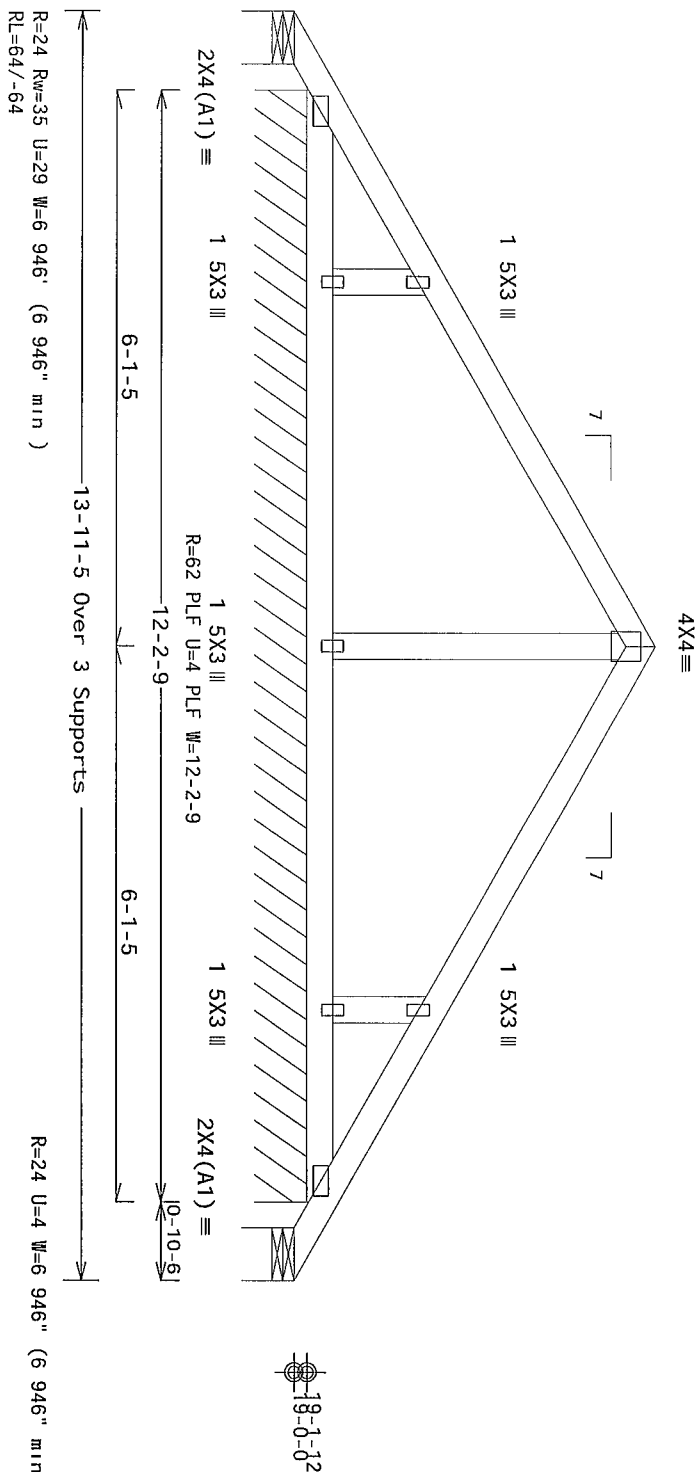
Refer to drawing PB160100212 for piggyback detail. Top chord of
supporting truss under piggyback to be braced @ 24" 0 C ,
unless otherwise specified

Special loads

-----Lumber
Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 pif at 0 00 to 56 pif at 6 97
TC- From 56 pif at 6 97 to 56 pif at 13 94
BC- From 4 pif at 0 00 to 4 pif at 13 94

120 mph wind, 21 03 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
wind BC DL=2 0 psf GCpi(+/-)=0 18

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50



PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)

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

12.03.04.08.08.13

QTY:6 FL/-/5/-/-/R/-

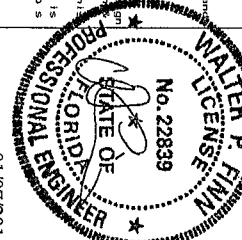
Scale =.5"/Ft..

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0 278

****IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to manufacturer's literature for detailed instructions. Follow the latest edition of BCS (Building Component Safety Information by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locate one shown for permanent lateral restraint of web. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any deviation to build this truss in conformance with ANSI/TPI 1 or for handling, shipping, installing or bracing of this truss shall be the responsibility of the installer. Refer to drawing 180A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page ITW-BGC www.tandem.com TPI www.tpi.net.org WTC www.sbc-industry.com ITC www.itcnafe.org



TC LL	20.0 PSF	REF R9114- 19139
TC DL	7.0 PSF	DATE 01/06/14
BC DL	10.0 PSF	DRW HCUSR9114 14006066
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	37.0 PSF	SEON- 337878
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V2T487_Z02

01/07/2014

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

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

120 mph wind, 20.58 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=2.0 psf GCPI (+/-)=0.18

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

Refer to DMG PB160100212 for piggyback details

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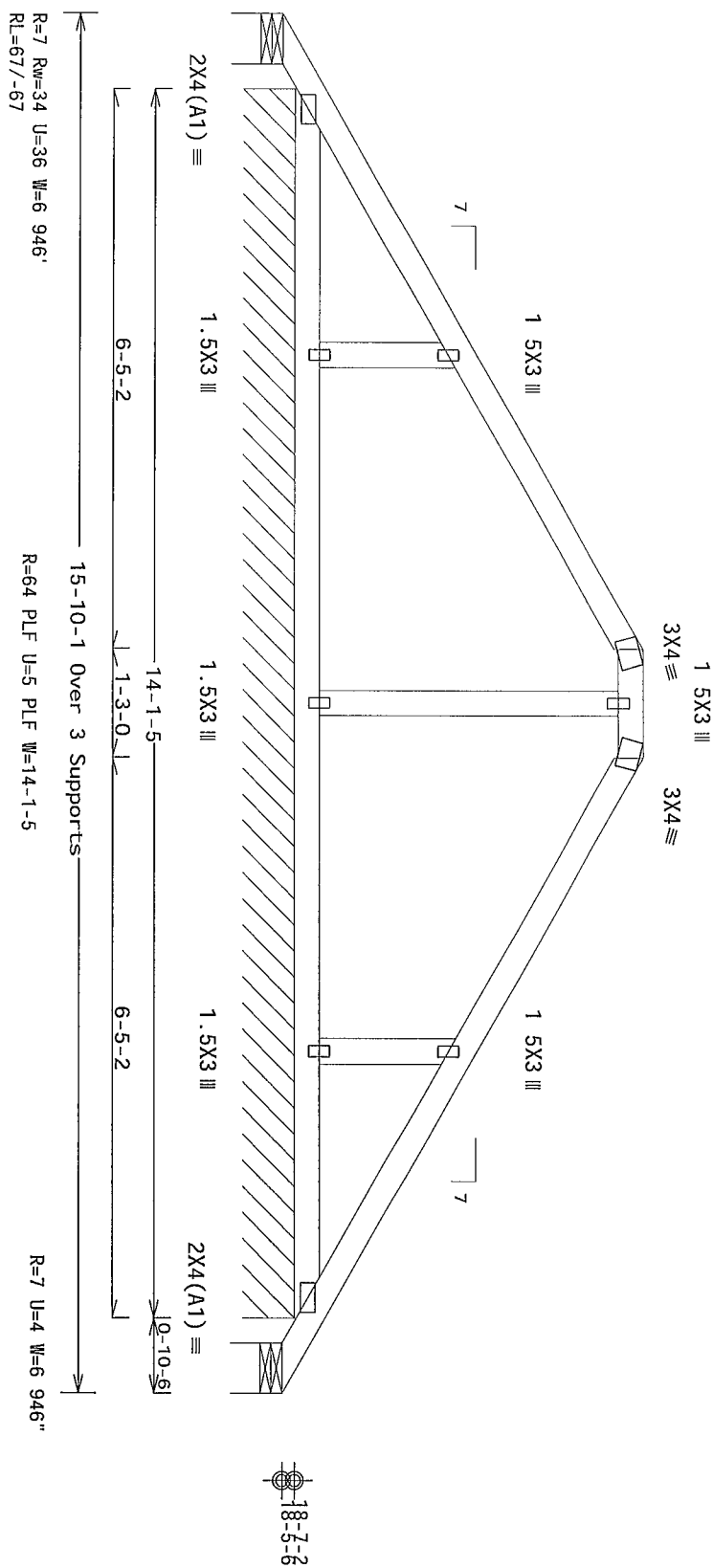
Special loads
-----
Lumber Dur Fac = 1 25 / Plate Dur Fac = 1 25
TC-From 56 pif at 0 00 to 56 pif at 7 29
TC-From 56 pif at 7 29 to 56 pif at 8 54
TC-From 56 pif at 8 54 to 56 pif at 15 84
BC-From 4 pif at 0 00 to 4 pif at 15 84

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 Creep increase
factor for dead load is 1 50

MMF/Rs loads based on trusses located at least 20 58 ft from roof
edge

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PLT TYP. Wave

Design Crit. FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04.0326.13

QTY:

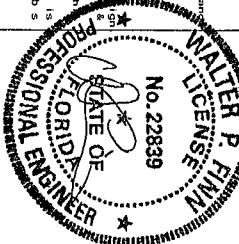
FL/-/5/-/-/R/-/

Scale = .5"/Ft

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

[illegible]

TC LL	20.0 PSF	REF R9114- 19140
TC DL	7.0 PSF	DATE 01/07/14
BC DL	10.0 PSF	DRW HCSR9114 14007033
BC LL	0.0 PSF	HC-ENG JB/W/PF
TOT LD	37 0 PSF	SEQN- 338587
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V21487 Z02

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

Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

120 mph wind, 20.58 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DE=3.5 psf, wind BC DE=2.0 psf GCP1 (+/-)=0.18

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

Refer to DWG PB160100212 for piggyback details

Special loads

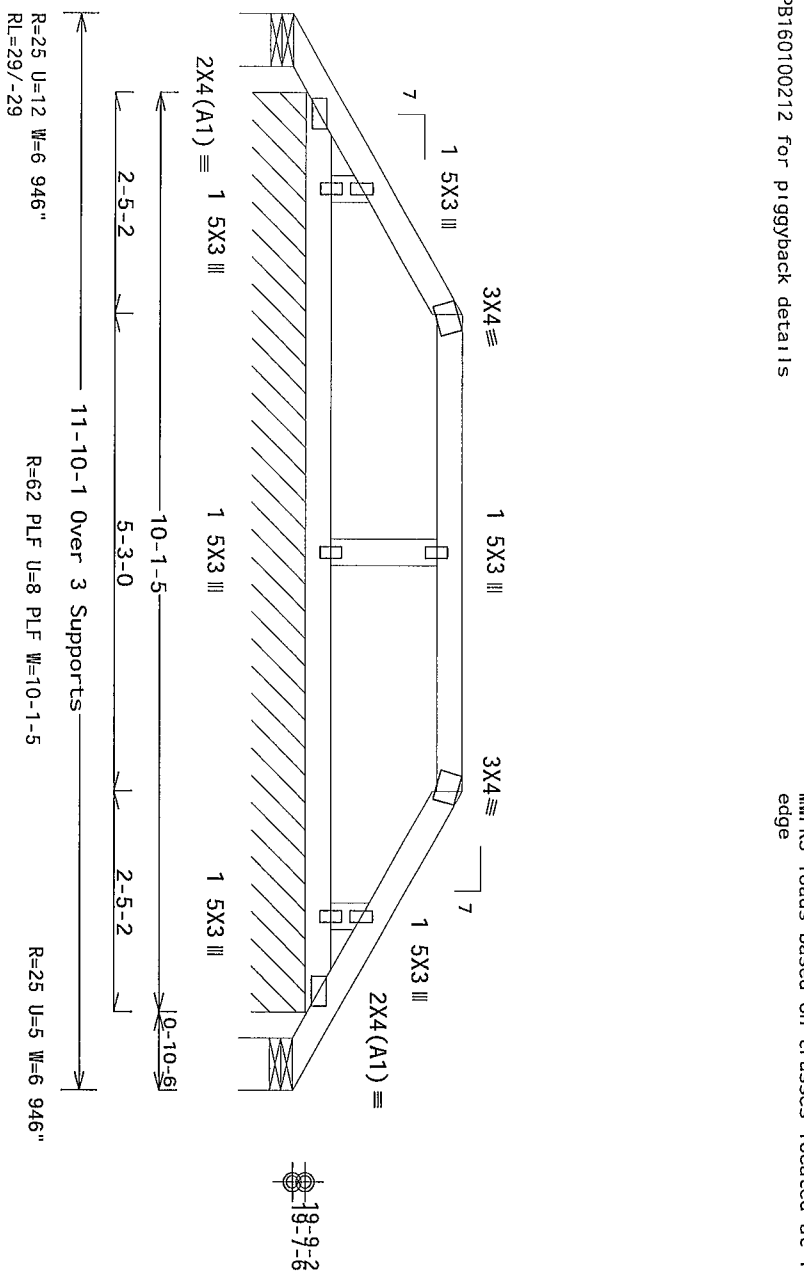
-----Lumber Dur Fac = 1 25 / Plate Dur Fac = 1 25)

TC- From	56 pif at	0 00 to	56 pif at	3 29
TC- From	56 pif at	3 29 to	56 pif at	8 54
TC- From	56 pif at	8 54 to	56 pif at	11 84
BC- From	4 pif at	0 00 to	4 pif at	11 84

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 Creep increase factor for dead load is 1 50

MMFRS loads based on trusses located at least 20 58 ft from roof edge



PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

12.03.04 0326.13

QTY:1

FL/-/5/-/-/R/-

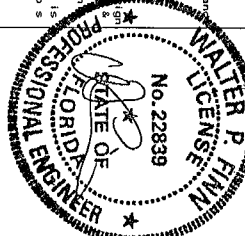
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 IMPORTANT
 Trussco repn re extreme care in fabricating and shipping metal and brace
 follow the latest edn of BCSI (Building Component Safety Information by TPI and WTCO) for safety
 practice prior to performing these functions. Metal bracing shall provide temporary bracing prior BCSI
 bracing not otherwise specified. Top chord shall have properly attached structural sheathing and bottom chord
 bracing shall have one installed prior BCSI section 83.07 or B10 as applicable.
 TPI Building Components Group Inc. (TIBCO) shall not be responsible for any deviation from this design
 any TIBCO drawings. Apply plates to each row of truss and top chord bracing. Metal plates shall be
 details unless noted otherwise. Refer to drawing TAB-2 for standard plate position. A seal on the
 drawing or cover page indicating 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 AISI/TPI Section 2. For more information see: This job is
 general note page TIBCO www.tibco.com TPI www.tpi.net WTCO www.abc-industry.com
 www.abc-industry.com



01/07/2014

TC LL	20.0 PSF	REF	R9114-19141
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10.0 PSF	DRW	H0USE114 14007034
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT.LD	37.0 PSF	SEQN-	338693
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V2T487_Z02

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

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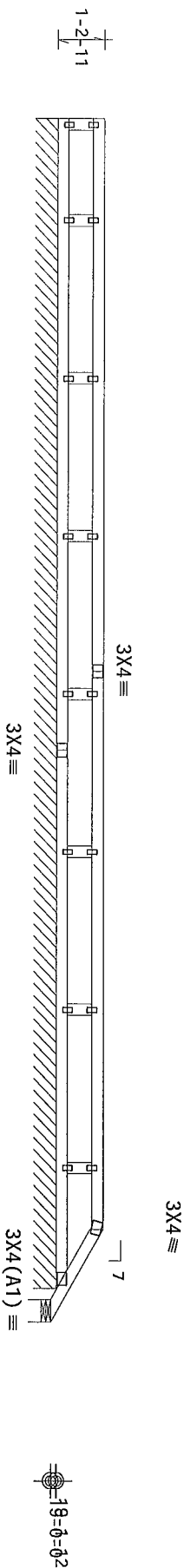
Special loads
-----
Lumber      Dur Fac = 1 25 / Plate Dur Fac = 1 25
TC-From     56 pif at 0 00 to 56 pif at 28 13
TC-From     56 pif at 28 13 to 56 pif at 30 47
BC-From     4 pif at 0 00 to 4 pif at 30 47

```

120 mph wind, 19.68 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=2.0 psf GCP1 (+/-)=0.18

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

Refer to DWG PB160100212 for piggyback details



$R=62$ PLF $U=12$ PLF $W=29-7-5$
 $28-1-8$
 $30-5-11$ Over 2 Supports
 $R=10$ $U=7$ $W=6$ 946
 $1-5-13$

Note: All Plates Are 1 5X3 Except As Shown

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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12 03 04 ~~03 02 01 13~~

QTY:1

FL--/5/--/--/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

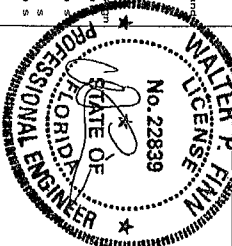
Orlando FL, 32837
FL COA #0278

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

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenuses requir re-extreme care in fabricating shipping installation and bracing Refer to and follow the latest edition of BCSI Fabricating Component Shipping Information on by TPJ and WITCA for safety practice prior to performing these functions installers shall provide temporary bracing per BCSI standards otherwise the contractor shall have properly attached structural attach top and bottom chords shall have bracing installed per BCSI section B3 B7 or B10 as applicable cable

TPJ Building Components Group Inc. (TWBCB) shall not be responsible for any deviation from this design or any other drawings or specifications in connection with this design. The user of this design shall be responsible for all deviations from this design. Apply please. Refer to drawing 160A-2 for standard details point on a steel on the drawing or cover plate indicating the drawing the autoclaving and use of this design for any structure responsible by solely for the design shown. The autoclaving and use of this design for any structure the responsibility of the building designer per ANSI/TPI Section 2. For more information on see this job's general notes page TWBCG www.twbcg.com TPI www.tpi.net org WITCA www.sdc industry.com CC www.ccsc.org



~~01/07/2014~~

TC LL	20.0 PSF	REF	R9114- 19142
TC DL	7.0 PSF	DATE	01/07/14
BC DL	10 0 PSF	DRW	HCSR9114 14007035
BC LL	0.0 PSF	HC-ENG	JB/MPE
TOT LD	37.0 PSF	SEON-	338490
DUR.FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V2T487 Z02

(13-296A--BRYAN ZECHER /Greenbrier 1087F - Willia -- Lake City FL - PB82 8 2 7 Common)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with '13B' use design values approved
1/30/2013 by ALSC

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

In lieu of rigid ceiling use purlins to brace BC @ 24" OC
MWFRS loads based on trusses located at least 19 34 ft from roof
edge

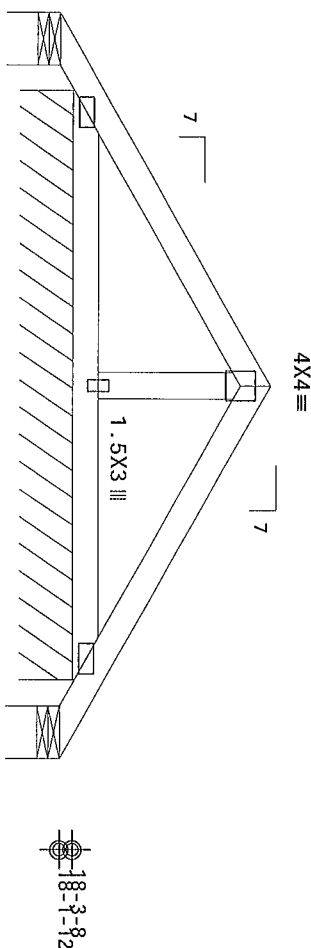
Refer to drawing PB160100212 for piggyback detail Top chord of
supporting truss under piggyback to be braced @ 24' 0 C ,
unless otherwise specified

Special loads

Lumber Dur Fac =1 25 / Plate Dur Fac =1 25
TC- From 56 pif at 0 00 to 56 pif at 4 10
TC- From 56 pif at 4 10 to 56 pif at 8 21
BC- From 4 pif at 0 00 to 4 pif at 8 21

120 mph wind, 19 34 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=2 0 psf GCpl(+/-)=0 18

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50



2X4 (A1) ≡ R=75 PLF U=5 PLF W=6-5-11 2X4 (A1) ≡
3-2-14 6-5-11 3-2-14 10-10-51
8-2-7 Over 3 Supports
R=2 Rw=25 U=35 W=6 946" (6 946" min) R=2 Rw=7 U=17 W=6 946" (6 946" min)
RL=36/-36

PLT TYP Wave

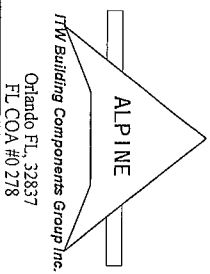
Design Crit FBC2010Res/TP1 -2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04 0926.13

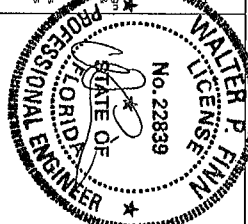
QTY:3

FL/-/5/-/-/R/-

Scale =.5"/Ft.



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to any
follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTC 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 B3, B7 or B10 as applicable.
1TW Bu, 14 ng Components Group Inc. (1TWBCG) shall not be responsible for any deviation from this design
any failure to build the truss in accordance with the information provided on this drawing 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 the design shows the submittal and use of this design for any structure is
the responsibility of the building designer. TPI 1 Sec 2 For more information on see This Job's
general notes page 1TWBCG www.1twbcg.com WTC www.wtcindustry.com This Job's
1CC www.1ccare.org



TC LL	20.0 PSF	REF	R9114- 19144
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCSR9114 14006054
BC LL	0 0 PSF	HC-ENG	SSB/MFP
TOT. LD.	37.0 PSF	SEQN-	337609
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V2T487_Z02

01/07/2014

(13-296A--BRYAN ZECHER /Greenbrier 1087F - William -- Lake City FL - PBB3 8 2 7 Common Girder)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with 13B use design values approved
1/30/2013 by ALSC

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

In lieu of rigid ceiling use purlins to brace BC @ 24 OC

MMFRS loads based on trusses located at least 19 34 ft from roof
edge

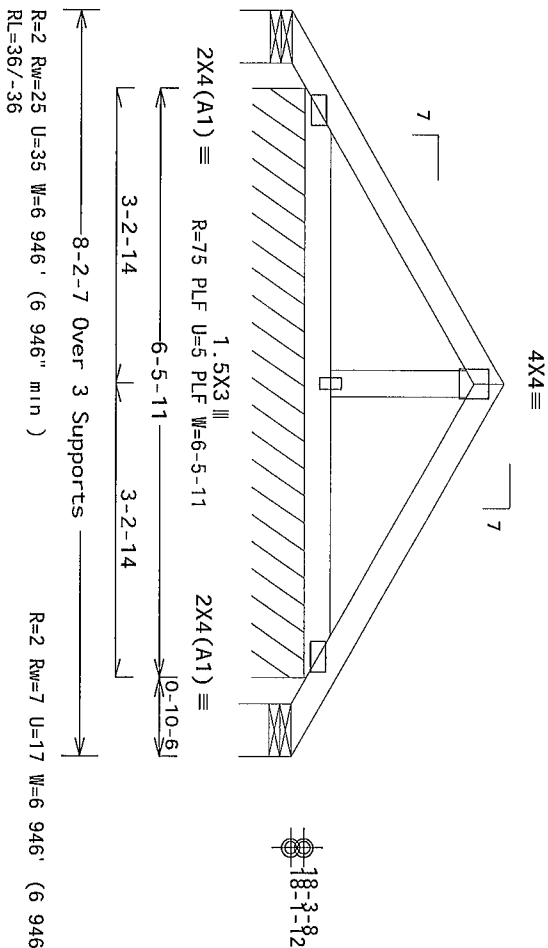
Refer to drawing PB160100212 for piggyback detail Top chord of
supporting truss under piggyback to be braced @ 24" OC,
unless otherwise specified

Special loads

-----Lumber
TC- From Dur Fac =1 25 / Plate Dur Fac =1 25)
56 pif at 0 00 to 56 pif at 4 10
TC- From 56 pif at 4 10 to 56 pif at 8 21
BC- From 4 pif at 0 00 to 4 pif at 8 21

120 mph wind, 19 34 ft mean hgt, ASCE 7-10, CLOSED bldg, located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=2 0 psf GCpl(+/-)=0 18

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50



PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12 03 04 2014

QTY: 1

FL/-/5/-/-/R/-

Scale = .5"/Ft.

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

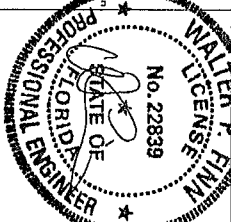
Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTC (for safety practice) prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses noted otherwise shall have properly attached structural sheathing and bottom chord bracing. Trusses shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the trusses 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 joint details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page indicating it is a drawing and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1.1. This is a general note page. ITW BCG www.itwbcg.com TPI www.tpiinc.org WTC www.wtcindustry.com ICC www.iccsafe.org

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278



TC LL	20.0 PSF	REF	R9114 - 19145
TC DL	7.0 PSF	DATE	01/06/14
BC DL	10.0 PSF	DRW	HCSR9114 14006067
BC LL	0.0 PSF	HC-ENG	SSB/MFP
TOT LD.	37.0 PSF	SEQN-	337616
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF -	1V2T487_Z02

01/07/2014

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired

Notes

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement
Alternative reinforcement specified in chart below may be conservative for minimum alternative reinforcement, re-run design with appropriate reinforcement type

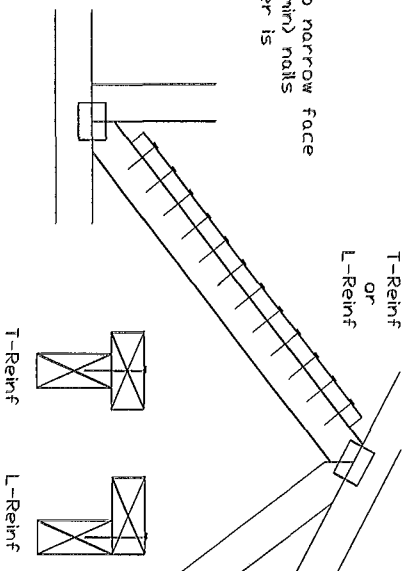
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

T-reinforcement, L reinforcement, or scab reinforcement 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

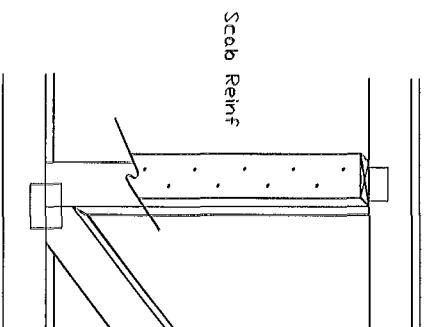
T-Reinforcement or L-Reinforcement

Apply to either side of web narrow face Attach with 10d (0.128"x30" min) nails at 6" o.c Reinforcing member is a minimum 80% of web member length



Scab Reinforcement:

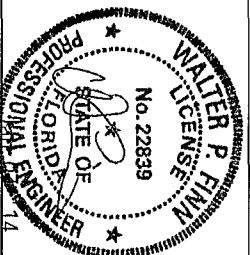
Apply (scabs) to wide face of web. No more than (1) scab per face Attach with 10d (0.128"x30" min) nails at 6" o.c Reinforcing member is a minimum 80% of web member length



Building Components Group Inc.

Earth City MO 63045

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING**
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE 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 IPI and BCSA for safety information. Trusses are designed and manufactured to meet or exceed the requirements of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 53, 57 or 810, as applicable. Apply plates to each face of webs as shown. Refer to drawings 160A-2 for standard plate positions.
ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, including but not limited to, bracing of trusses, handling, shipping, installation & bracing of trusses. The undersigned hereby certifies that the design, fabrication, and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sect. 1.1. For more information see this job's general notes page and these web sites: ITWBCG www.itwbcg.com IPI www.ipi.org BCSI www.bcsa.org



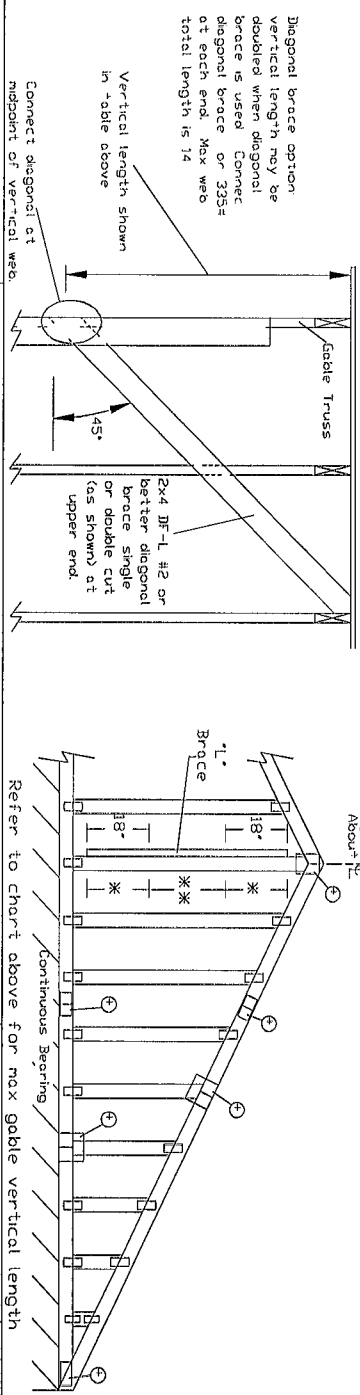
TC LL	PSF	REF	CLR Subst
TC DL	PSF	DATE	8/15/13
BC DL	PSF	DRWG	BRCLBSUB0813
BC LL	PSF		
TOT LD	PSF		
DUR FAC			
SPACING			

01/07/2014

ASCE 7-10 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or 100 mph Wind Speed 15 Mean Height Partially Enclosed Exposure C Kzt = 1.00
Or 100 mph Wind Speed 15 Mean Height Enclosed, Exposure D Kzt = 1.00

Gable Vertical Spacing	Brace Vertical Spacing	Brace Grade	No. Braces	Max Gable Vertical Length											
				12" o.c.						16" o.c.					
				(1) 1x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace	(1) 2x4 L ¹ Brace
24" o.c.	SPF	#1 / #2	4 10"	8 2"	8 6"	9 8"	10 1"	11 6"	12 0"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#3	4 7"	7 9"	8 3"	9 7"	9 11"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		Stud	4 7"	8 1"	8 4"	9 7"	9 11"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
	HF	Standard	4 7"	8 1"	8 4"	9 7"	9 11"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#1	4 11"	8 3"	8 7"	9 9"	10 1"	11 7"	12 1"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#2	4 10"	8 2"	8 6"	9 8"	10 1"	11 6"	12 0"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
16" o.c.	SPF	#1 / #2	4 7"	6 11"	7 4"	9 3"	9 10"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#3	4 7"	6 0"	6 4"	8 0"	8 6"	10 10"	11 7"	12 6"	13 5"	14 0"	14 0"	14 0"	14 0"
		Stud	4 7"	6 5"	6 9"	8 5"	9 9"	11 6"	12 2"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
	HF	Standard	4 7"	6 5"	6 9"	8 5"	9 9"	11 6"	12 2"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#1	4 7"	6 5"	6 9"	8 5"	9 9"	11 6"	12 2"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#2	4 7"	6 5"	6 9"	8 5"	9 9"	11 6"	12 2"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
12" o.c.	SPF	#1 / #2	4 7"	6 11"	7 4"	9 3"	9 10"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#3	4 7"	6 0"	6 4"	8 0"	8 6"	10 10"	11 7"	12 6"	13 5"	14 0"	14 0"	14 0"	14 0"
		Stud	4 7"	6 5"	6 9"	8 5"	9 9"	11 6"	12 2"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
	HF	Standard	4 7"	6 5"	6 9"	8 5"	9 9"	11 6"	12 2"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#1	4 7"	6 5"	6 9"	8 5"	9 9"	11 6"	12 2"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#2	4 7"	6 5"	6 9"	8 5"	9 9"	11 6"	12 2"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"



Bracing Group Species and Grades			
Group A		Group B	
Species-Pine-Fir	Species-Pine-Fir	Species-Pine-Fir	Species-Pine-Fir
#1 / #2	#2	#1 / #2	#2
Standard	Stud	Standard	Stud
Douglas Fir-Larch		Southern Pine	
#3	#3	#3	#3
Stud	Stud	Stud	Stud
Standard		Standard	



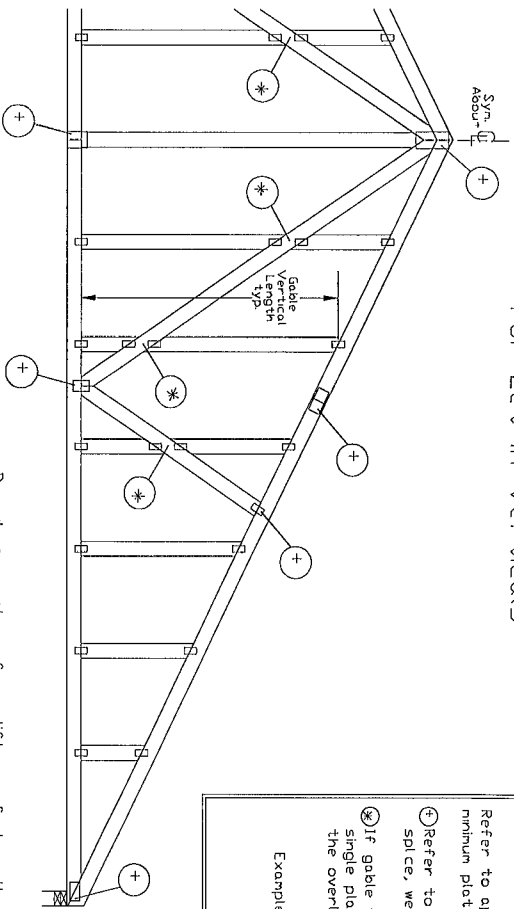
Building Components Group Inc.
Earth City MO 63045



MAX TDT LD 60 PSF
MAX SPACING 24 0"

Diagonal brace connection
Vertical length shown in table above
Connect diagonal at midpoint of vertical web
Vertical length may be doubled when diagonal brace is used. Connect diagonal brace at 33% at each end. Max web total length is 14
Refer to the Building Designer for conditions not addressed by this detail
ATTACH 1" BRACES WITH 10d (0.128"x3.0" min) NAILS
* For (1) 1" brace space nails at 2' o.c. in 18' end zones and 4' o.c. between zones.
* For (2) 1" brace space nails at 3' o.c. in 18' end zones and 6' o.c. between zones.
1" bracing must be a minimum of 80% of web member length.
Gable Vertical Plate Sizes
Vertical Length No Splice
Less than 4' 0" 1x4 or 2x3
Greater than 4' 0" but less than 11 6" 2x4
Greater than 11 6" 2x4
Refer to common truss design for peak, splice and heel plates.
REF ASCE 7-10-GAB2015
DATE 2/14/12
DRWG A12015ENC100212

Gable Detail For Let-in Verticals



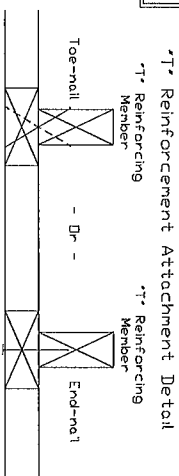
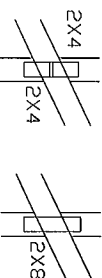
Gable Truss Plate Sizes

Refer to appropriate ITW gable detail for minimum plate sizes for vertical studs

⊕ Refer to Engineered truss design for peak splice, web and heel plates

⊗ If gable vertical plates overlap use a single plate that covers the total area of the overlapped plates to span the web

Example

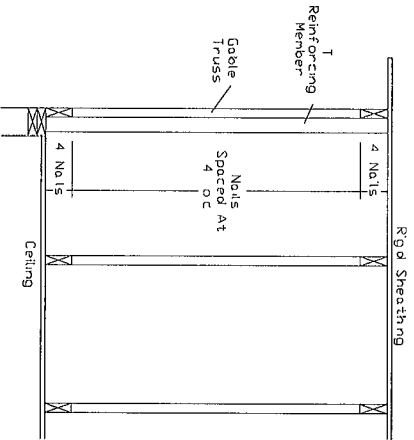


To convert from 'L' to 'T' reinforcing members multiply 'T' increase by length based on appropriate ITW gable detail.

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord
'T' reinforcing member material must match size specie and grade of the 'L' reinforcing member
Web Length Increase w/ 'T' Brace

'T' Reinf	'T'
Min Size	Increase
2x4	30 %
2x6	20 %

Example
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24' o.c. SP #3
'T' Reinforcing Member Size = 2x4
'T' Brace Increase (from Above) = 30% = 1.30
(1) 2x4 'L' Brace Length = 8' 7"
Maximum 'T' Reinforced Gable Vertical Length
1.30 x 8 7' = 11 2'



Provide connections for uplift specified on the engineered truss design.
Attach each 'T' reinforcing member with
End Driven Nails
10d Common (0.148 x 3" min) Nails at 4' o.c. plus
(4) nails in the top and bottom chords
Toenailed Nails
10d Common (0.148 x 3" min) Toenails at 4' o.c. plus
(4) toenails in the top and bottom chords.

This detail to be used with the appropriate ITW gable detail for ASCE

- Wind Load
- ASCE 7-98 Gable Detail Drawings
- A1301S980109, A1201S980109, A1101S980109
A1303S980109, A1203S980109, A1103S980109
A1003S980109
- ASCE 7-02 Gable Detail Drawings
- A1301S020109, A1201S020109, A1101S020109
A1303S020109, A1203S020109, A1103S020109
A1003S020109
- ASCE 7-05 Gable Detail Drawings
- A1301S050109, A1201S050109, A1101S050109
A1303S050109, A1203S050109, A1103S050109
A1003S050109
- ASCE 7-10 Gable Detail Drawings
- A1101S100212, A1201S100212, A1401S100212
A1801S100212, A2001S100212, A2001S100212
A1103S100212, A1203S100212, A1403S100212
A1803S100212, A2003S100212, A2003S100212

See appropriate ITW gable detail for maximum unreinforced gable vertical length.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

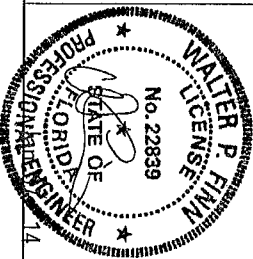
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCIS (Building Component Safety) for information on safety practices prior to performing these functions. Installers shall provide temporary bracing per BCIS unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Connections shown for permanent lateral restraint of webs shall have properly attached rigid ceiling. Connections shown for permanent lateral restraint of each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 1004-Z for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation or bracing of trusses. 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 drawing shall be determined by the user. For more information see this job's general notes page and these web sites: ITWBCG: www.itwbcg.com, TPI: www.tpinet.org, VITCA: www.vitca.com, ICC: www.iccsafe.org



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Earth City MO 63045



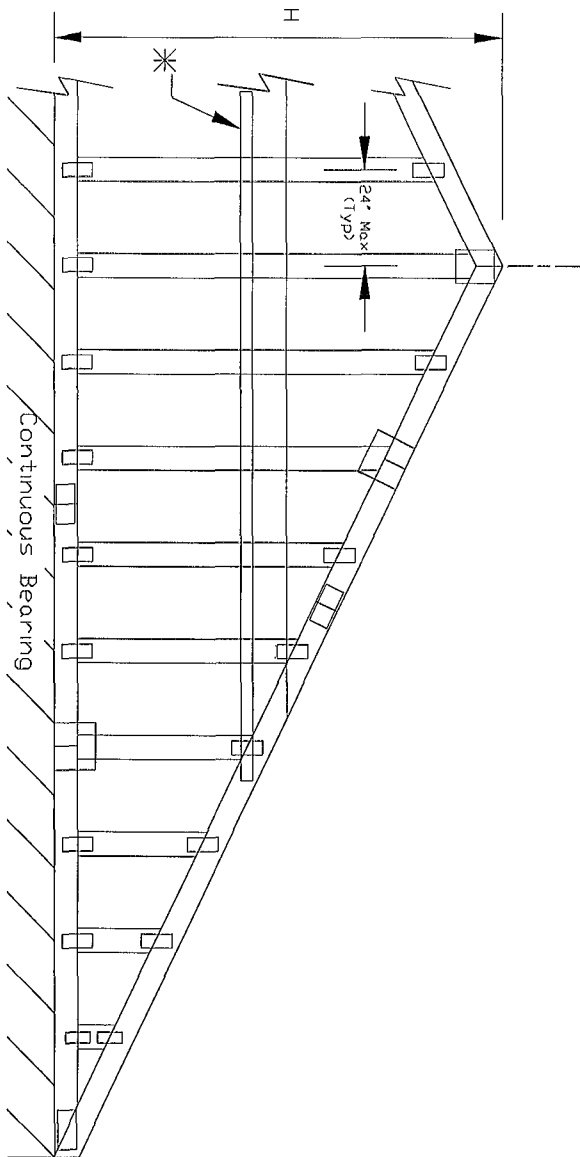
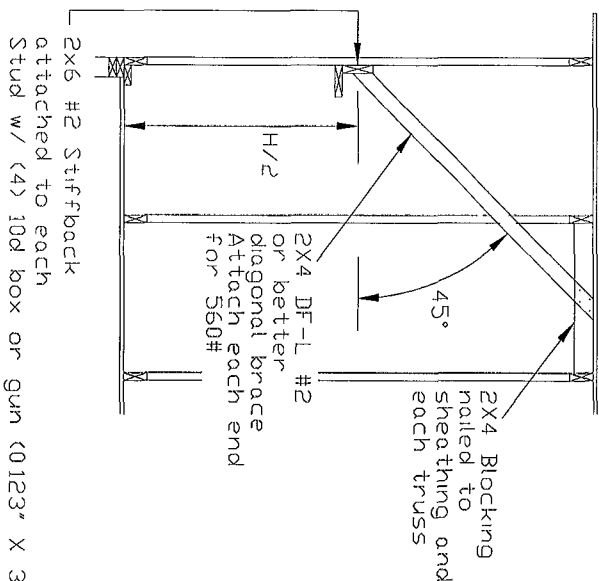
REF	LET-IN VERT
DATE	2/16/12
DRWG	GILLETIN0212
MAX TOT LD	60 PSF
DUR FAC	ANY
MAX SPACING	24 0"

120 mph, 30 ft Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30 ft Mean Hgt, ASCE 7-10, Enclosed, Exp D, or
100 mph, 30 ft Mean Hgt, ASCE 7-10, Part Enclosed, Exp C,
Kzt = 1.00, Wind TC DL=50 psf, Wind BC DL=50 psf

Lateral chord bracing requirements
Top Continuous roof sheathing
Bot Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail for lumber plates, and other information not shown on this detail

Nails 10d box or gun (0.128"x3",min) nails



H Less than 4'6" - no stud bracing required

H Greater than 4'6" to 7'6" in length provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DWG A12030ENC100212)

H Greater than 7'6" to 12'0" max
provide a 2x6 stiffback at mid-height and brace
to roof diaphragm every 4'0" (see detail below or
refer to DRWG A12030ENC100212)

* Optional 2x L-reinforcement attached
to stiffback with 10d box or gun
(0.128" x 3", min) nails @ 6" o.c

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.



TM

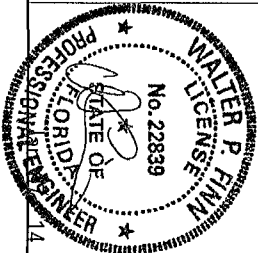
Building Components Group Inc.

Building Components Group Inc.

Earth City MO 63045

ITV Building Components Group Inc shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, or erection of trusses. A seal on this drawing or cover page in this drawing, indicates acceptance of the drawing by the manufacturer and the manufacturer shall be responsible for the accuracy of the drawing for any structure as the responsibility of the building designer per ANSI/TPI 1 Sec 2.1 for more information see this job's General notes page and these web sites:

ITVBCG:www.itvbcg.com TPI:www.tpi.org VITA:www.vita-usa.org ITC:www.itcusa.org



MAX TOT LD 60 PSF

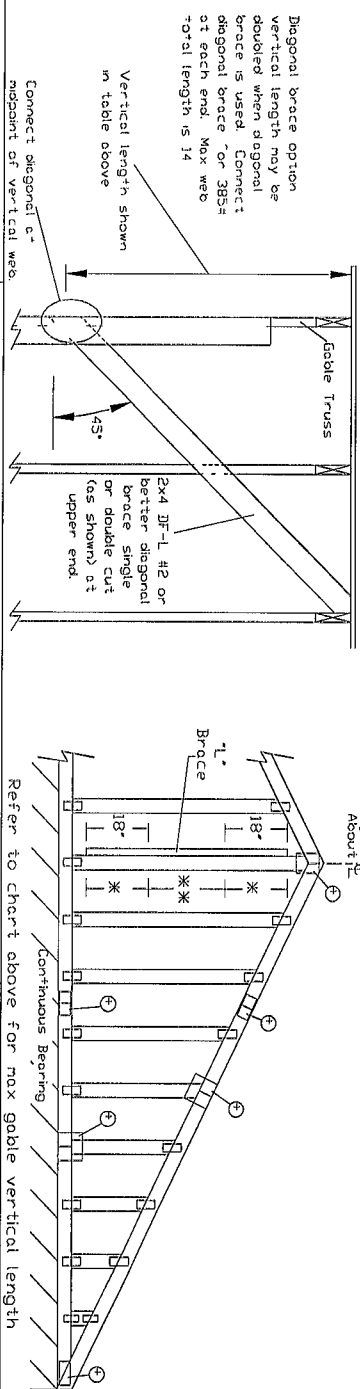
MAX SPACING

REF	GE WHALER
DATE	2/14/12

DRWG GABRST100212

ASCE 7-10 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00 Dr 100 Mph Wind Speed 30' Mean Height Partially Enclosed, Exposure C, Kzt = 1.00 Dr 100 mph Wind Speed 30' Mean Height Enclosed, Exposure D, Kzt = 1.00

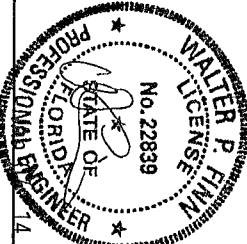
Max Gable Vertical Length		2x4 Gable Vertical Spacing		Brace		No		(1) 1x4 1" Brace *		(1) 2x4 1" Brace *		(2) 2x4 1" Brace *		(1) 2x6 1" Brace *		(2) 2x6 1" Brace *	
		Species		Grade		Braces		Group A		Group B		Group A		Group B		Group A	
12" o c	DFL	SPF	#1 / #2	#3	Stud	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 2"	7' 8"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 8"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 6"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
16" o c	DFL	SPF	#1 / #2	#3	Stud	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 2"	7' 8"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 8"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 6"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
24" o c	DFL	SPF	#1 / #2	#3	Stud	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 2"	7' 8"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 8"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
						4' 4"	7' 6"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"



Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1x4 or 2x3
Greater than 4' 0" but less than 11' 6"	2x4
Greater than 11' 6"	25x4
+ Refer to common truss design for peak splice, and heel plates.	



Building Components Group Inc.
Earth City MO 63045



MAX TOT LD 60 PSF
MAX SPACING 24 0

REF ASCE7-10-GAB12030
DATE 2/14/12
DRWG A12030ENC100212

Commentary Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied
- Facilitates drainage to avoid ponding on flat or low slope roofs
- Compensates for different deflection characteristics between adjacent trusses
- Improves appearance of garage door headers and other long spans that can appear to sag
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses

in accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, etceteras

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	Deflection Limits	
	L/D	Total Load
Pitched Roof Trusses	24 L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24 L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24 L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24 L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20 L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24 0.75" (horizontal)	1.25" (horizontal)
Truss Type	Recommended Camber	
Pitched Trusses	1.00 x Deflection from Actual Dead Load	
Sloping Parallel Chord Trusses	1.5 x Vertical Deflection from Actual Dead Load	
Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load	
Flat Roof Trusses	(0.25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection)	
Note The actual dead load may be considerably less than the design dead load		

Note The actual dead load may be considerably less than the design dead load

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
 *** FURNISH THE DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



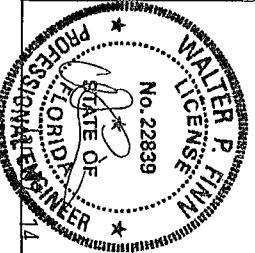
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Trusses require extreme care in fabricating, handling, installing, and bracing. Refer to and follow the latest edition of ECIS (Building Component 3a, Ery Information, by IPI and S&G) or society practices prior to performing these actions. Insist that all structural temporary bracing per ECIS be noted otherwise, too. Truss shall have properly attached structural sheathing and bottom chord shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per ECIS sections 33, 37 or 310, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 350A-2 for standard plate positions.

[illegible]

Earth City MO 63045



01/07/2014

REF	DEFLEC/CAMB
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
10	0.0000
11	0.0000
12	0.0000
13	0.0000
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96	0.0000
97	0.0000
98	0.0000
99	0.0000
100	0.0000

DATE 8/2/13

DRWG DEFLCMB0813

Piggyback Detail - ASCE 7-10 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

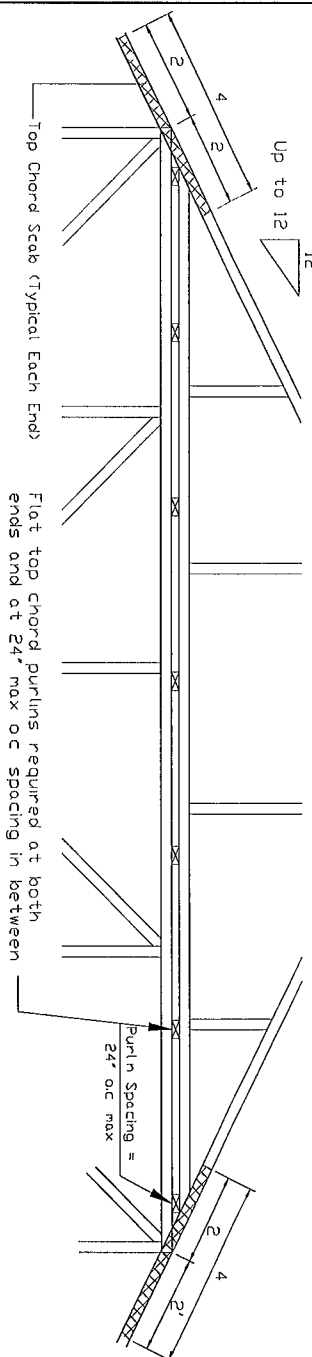
160 mph Wind 3000 ft Mean Hgt ASCE 7-10 Enclosed Bldg located anywhere in roof Exp C Wind DL= 50 psf (min) Kzt=1.0
Dr 140 mph Wind 3000 ft Mean Hgt ASCE 7-10 Enclosed Bldg located anywhere in roof Exp D Wind DL= 50 psf (min) Kzt=1.0

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.

Maximum truss spacing is 24' o.c detail is not applicable if cap supports additional loads such as cupola steeple chimney or drag strut loads

** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications

Detail A Purlin Spacing = 24" o.c. or less

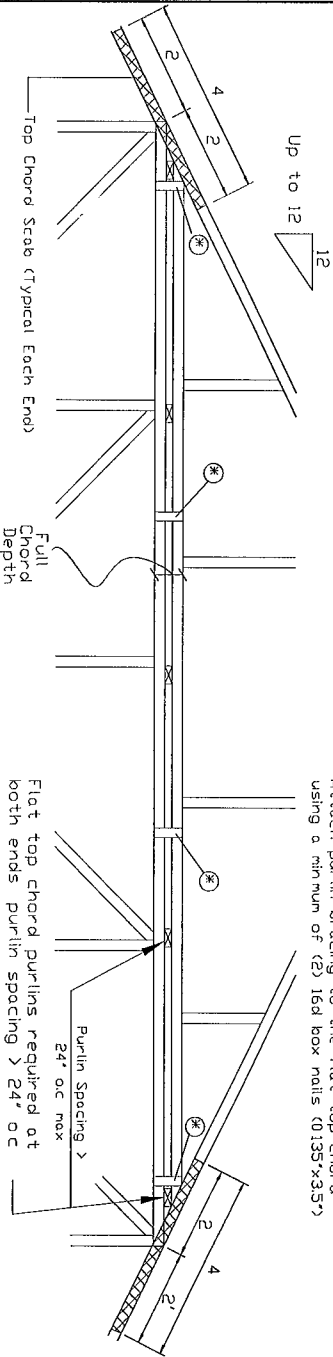


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5")

The top chord #3 grade 2x4 scab may be replaced with either of the following (1) 3x8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 2x8 PB wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note Nailing thru holes of wave plate is acceptable

Detail B Purlin Spacing > 24" o.c.



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5")

* In addition provide connection with one of the following methods.

<p>Trulox</p> <p>Use 3x8 Trulox plates for 2x4 chord member and 3x10 Trulox 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. Trulox plates may be staggered 4' o.c front to back faces.</p> <p>APA Rated Gussset</p> <p>8"x8"x7/16" (min) APA rated sheathing gusssets (each face) Attach @ 8 o.c with (8) 6d common (0.113"x2") nails per gussset (4) in cap bottom chord and (4) in base truss top chord. Gusssets may be staggered 4' o.c front to back faces.</p> <p>2x4 Vertical Scabs</p> <p>2x4 SFR #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 faces.</p> <p>2x8 PB Wave Piggyback Plate</p> <p>One 2x8 PB 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.</p>	<p>REF PIGGYBACK</p> <p>DATE 2/14/12</p> <p>DRWG PB16100212</p>
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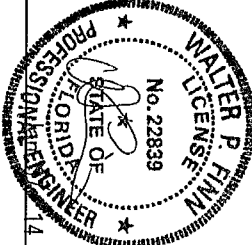


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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions of the Building Component Safety Information, by IPI and UIC or safety practices prior to erecting the trusses. The trusses shall be erected in accordance with the practices noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to refer to drawings 160A-2 for standard plate positions.

Building Components Group Inc. shall not be responsible for any deviation from this drawing, any truss or truss in connection with this drawing, or for handling, shipping, installation & erection of trusses. The truss manufacturer shall be responsible for the design, engineering, or professional engineering responsibility solely for the design shown. The safety and use of this drawing for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec.2. For more information see the job's general notes page and these web sites: IPI/BCG www.bcg.com, IPI www.ipi.com, UIC www.uic.com, BCSI www.bcsi.org



SPACING 24'0"

01/07/2014

MINIMUM NAIL SPACING DISTANCES			
DISTANCES			
A	B*	C**	I

MIN)	3/4"	1 3/8"	1 3/4"	7
MIN)	7/8"	1 5/8"	2"	

25" MIN	7/8"	1 5/8"	2"
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5", MIN)	7/8"	1 5/8"	2 1/8"	1 1/2"
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1"	1 7/8"	2 1/4"	1 1/2"
7/8"	1 5/8"	3"	1 3/4"
3/4"	1 1/2"	2 3/4"	1 1/4"
1/2"	1 1/4"	2 1/2"	1 1/2"
3/8"	1 1/8"	2 1/8"	1 1/8"
1/4"	1 1/4"	2 1/4"	1 1/4"
3/16"	1 1/8"	2 1/8"	1 1/8"
1/8"	1 1/4"	2 1/4"	1 1/4"
3/32"	1 1/8"	2 1/8"	1 1/8"
1/32"	1 1/4"	2 1/4"	1 1/4"

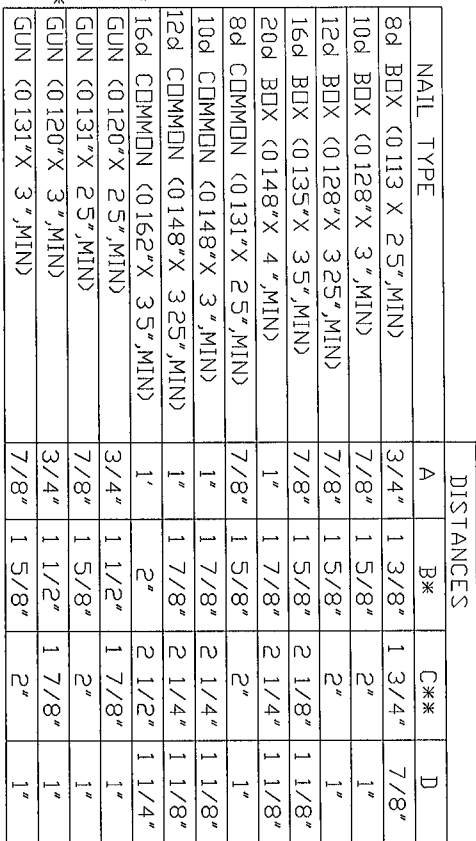
3" MIN)	1"	1 7/8"	2 1/4"	1 1/2"
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325" MIN	1"	1 7/8"	2 1/4"	1 1/2"
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35", MIN	1'	2"	2 1/2"	1 1/2"
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N)	3/4"	1 1/2"	1 7/8"	
D)	7/8"	1 5/8"	2"	

3/4"	1 1/2"	1 7/8"	
7/8"	1 5/8"	2"	

[illegible]

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 AISI/ISI 1-1, Sec. 2.

For more information, visit www.specification101.com, www.aisc.org, www.aisi.org, www.aisi-usa.org and on Joint Details.

grade 37/40/46 (K/41/43) galv steel. Apply plates to each face of truss, positioned as shown above

