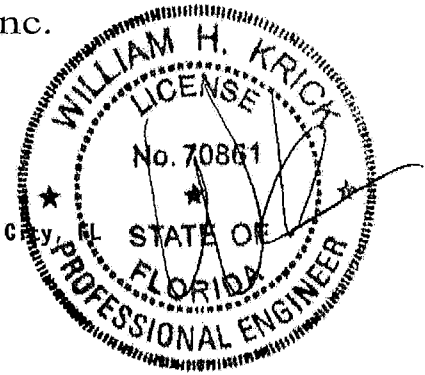


ITW Building Components Group, Inc.

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 IV1V487-Z0304112444



Truss Fabricator **Anderson Truss Company**
Job Identification **13-285--Fill in later /Anita and Jerry West Resi -- Lake City**
Truss Count **93**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Res/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

12/04/2013

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

William H Krick
-Truss Design Engineer-

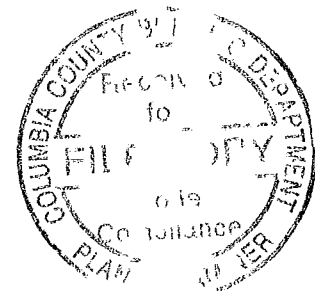
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	02645-EJ11	19'11" 8 End	13337096	12/03/13
2	02646-EJ12	19'11" 8 End	13337065	12/03/13
3	02647--EJ3	3' End Jack	13337148	12/03/13
4	02648--EJ3	3 End Jack	13337142	12/03/13
5	02649--EJ3	3' End Jack	13337064	12/03/13
6	02650-EJ3	2'6" 8 End Ja	13337112	12/03/13
7	02651-EJ3	2'6" 8 End Ja	13337073	12/03/13
8	02652--EJ5	5 End Jack	13337144	12/03/13
9	02653--EJ7	7' End Jack	13337113	12/03/13
10	02654--EJ7	7 End Jack	13337081	12/03/13
11	02655--EJ7	7' End Jack	13337124	12/03/13
12	02656-EJ9	19'11" 8 End	13337074	12/03/13
13	02657-EJ67	19'11" 8 End	13337097	12/03/13
14	02658-FTG1	15'4" 1 Flat	13337123	12/03/13
15	02659-H11A	32' 8" Stepd	13337133	12/03/13
16	02660-H13A	32' 8" Stepd	13337134	12/03/13
17	02661-H15A	32' 8" Stepd	13337136	12/03/13
18	02662-H9A	24' 8" Stepd	13337076	12/03/13
19	02663-H9B	19' 2" Stepd	13337121	12/03/13
20	02664-H9C	32' 8" Stepd	13337132	12/03/13
21	02665-H611A	24' 8" Step	13337126	12/03/13
22	02666-HG3A	13' 8" Stepd	13337075	12/03/13
23	02667-HG5A	13' Stepdow	13337143	12/03/13
24	02668-HG7A	15'11" 8 Ste	13337083	12/03/13
25	02669-HG7B	24' 8" Stepd	13337080	12/03/13
26	02670-HG7C	19' 2" Stepd	13337130	12/03/13
27	02671-HG7D	32' 8" Stepd	13337147	12/03/13
28	02672-HG7E	32' 8" Stepd	13337116	12/03/13
29	02673-HG9A	24' 8" Stepd	13337138	12/03/13
30	02674-HJ10	9'10"13 Hip	13337141	12/03/13
31	02675-HJ10	9'10"13 Hip	13337129	12/03/13
32	02676-HJ10	9'10"13 Hip	13337127	12/03/13
33	02677-HJ10	9'10"13 Hip	13337078	12/03/13
34	02678-HJ10	9'10"13 Hip	13337135	12/03/13
35	02679-HJ10	9'10"13 Hip	13337095	12/03/13
36	02680-HJ4	4'2"3 Hip Ja	13337150	12/03/13
37	02681-HJ4	3'6"6 Hip Ja	13337062	12/03/13
38	02682-HJ7	7'0"14 Hip J	13337146	12/03/13

#	Ref	Description	Drawing#	Date
39	02683--J1	1' Jack	13337149	12/03/13
40	02684--J1	1' Jack	13337069	12/03/13
41	02685--J1	1' Jack	13337093	12/03/13
42	02686--J1	1' Jack	13337077	12/03/13
43	02687--J1	1' Jack	13337114	12/03/13
44	02688--J3	3 Jack	13337070	12/03/13
45	02689--J3	3 Jack	13337125	12/03/13
46	02690--J3	3 Jack	13337092	12/03/13
47	02691--J3	3 Jack	13337105	12/03/13
48	02692--J5	5 Jack	13337090	12/03/13
49	02693--J5	5 Jack	13337094	12/03/13
50	02694--M1	13'10" 8 Mono	13337120	12/03/13
51	02695-MG1	5'7" 2 Mono G	13337066	12/03/13
52	02696-MH1	49'10"8 Mono	13337115	12/03/13
53	02697-MH2	49'10"8 Mono	13337068	12/03/13
54	02698-MH3	49'10" 8 Mono	13337145	12/03/13
55	02699-MH4	49'10"8 Mono	13337067	12/03/13
56	02700-MH5	49'10" 8 Mono	13337091	12/03/13
57	02701-MH6	49'10" 8 Mono	13337071	12/03/13
58	02702-MHG1	49'10" 8 Mon	13337140	12/03/13
59	02703-MHG2	7 Mono Hip	13337085	12/03/13
60	02704-T-1	15'11" 8 Comm	13337098	12/03/13
61	02705-T-2	12'10" Commo	13337099	12/03/13
62	02706-T-3	12'10" Commo	13337086	12/03/13
63	02707-T-4	15'11" 8 Comm	13337102	12/03/13
64	02708-T-5	15'11"8 Comm	13337103	12/03/13
65	02709-T-6	15'11"8 Comm	13337100	12/03/13
66	02710-T-7	15'11" 8 Comm	13337104	12/03/13
67	02711-T-8	15'11" 8 Comm	13337106	12/03/13
68	02712-T-9	15'11"8 Comm	13337088	12/03/13
69	02713-T-10	12'10' Comm	13337101	12/03/13
70	02714-T-11	15'11"8 Com	13337079	12/03/13
71	02715-T-12	15'11" 8 Com	13337089	12/03/13
72	02716-T-13	53' 2" Commo	13337107	12/03/13
73	02717-T-14	53'2 Commo	13337087	12/03/13
74	02718-T-15	53'2" Commo	13337117	12/03/13
75	02719-T-16	42'2"8 Comm	13337110	12/03/13
76	02720-T-17	42' 2 8 Comm	13337084	12/03/13

#	Ref	Description	Drawing#	Date
77	02721-T-18	46' 2 8 Comm	13337082	12/03/13
78	02722-T-19	46'2"8 Comm	13337063	12/03/13
79	02723-T-20	28'4' 6 Comm	13337072	12/03/13
80	02724-T-21	24'10' 6 Com	13337119	12/03/13
81	02725-T-22	21'4'14 Com	13337108	12/03/13
82	02726-T-23	21'4"14 Com	13337111	12/03/13
83	02727-T-24	24'10"6 Com	13337122	12/03/13
84	02728-T-25	24'10' 6 Com	13337118	12/03/13
85	02729-T-26	19' 2" Commo	13337128	12/03/13
86	02730-T-27	11'2 Commo	13337131	12/03/13
87	02731-T-28	32'8 Commo	13337137	12/03/13
88	02732-T-29	13' Commo	13337139	12/03/13
89	02733-TG-1	49'4"8 Comm	13337109	12/03/13
90	02734-TG-3	46'2"8 Comm	13338003	12/04/13
91	02735-HG4A	13'8" Stepd	13338004	12/04/13
92	02736-TG-2	53'2" Commo	13338006	12/04/13
93	02737-FTG2	15'4"1 Flat	13338005	12/04/13



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

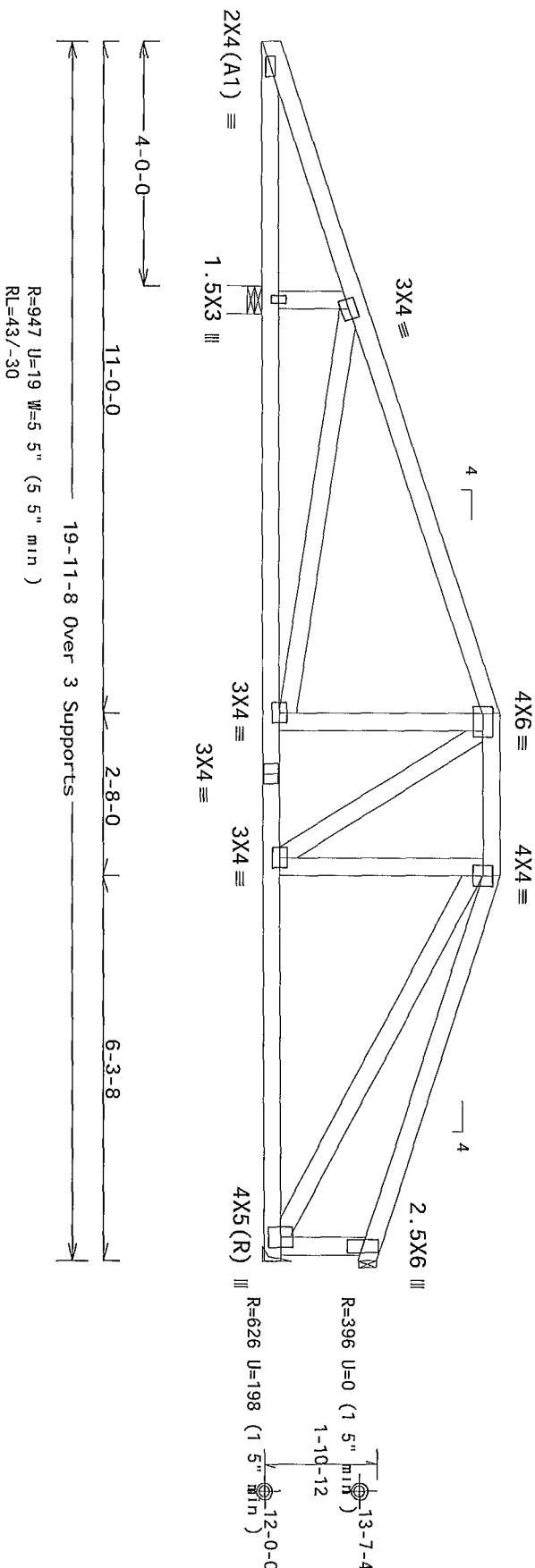
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpl(+/-)=0 18

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

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

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



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%
1.1.1.49	100%
1.1.1.50	100%
1.1.1.51	100%
1.1.1.52	100%
1.1.1.53	100%
1.1.1.54	100%
1.1.1.55	100%
1.1.1.56	100%
1.1.1.57	100%
1.1.1.58	100%
1.1.1.59	100%
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%
1.1.1.65	100%
1.1.1.66	100%
1.1.1.67	100%
1.1.1.68	100%
1.1.1.69	100%
1.1.1.70	100%
1.1.1.71	100%
1.1.1.72	100%
1.1.1.73	100%
1.1.1.74	100%
1.1.1.75	100%
1.1.1.76	100%
1.1.1.77	100%
1.1.1.78	100%
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%

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

Scale = 375"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** **INSTALL THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**
Trustees require extensive care in fabricating handling and installing and bracing
Follow the latest edition on or BCSI (Bu Id ng Component Safety Information by TPI and WTCA)
Practice care prior to performing these functions. Installers shall provide temporary bracing
Trustees need otherwise can chord shall have properly attached structural sheathing and bracing
shall have bracing installed per BCSI sect one B3, B7 or B10 as applicable
1TW Bu Id ng Components Group Inc. (1TWBGD) shall not be responsible for any action
any failure to bu Id the trusts in conformance w th ANSI/TPI 1 or for handling as per TPI
bracing of trustees. Apply plates to each face of trusts and post it on as shown above and on A
Do not install unless properly braced. Refer to draw ngs 180A-2 for standard plate poses tions A
Trustees shall be braced in accordance with the following minimum design requirements
Reason for bracing shall be noted on drawings and approved by the engineer
The responsible 1/2 of the Bu Id ng Docs give per ANSI/TPI 1 Sec 2 For more format on see
general notes page 1TW-BGD www 1twbgd.com TPI www tpi.net WTCA www stc industry.com
www ccaale.org

Professional Engineer Seal for Rick Williams, State of Florida, No. 70861, expires 12/04/2004.

IC LL	20.0 PSF	REF R9114-2645
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUR9114 1333709
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD	37.0 PSF	SEON- 335056
DUR FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 11V1V487_Z03

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

Left cantilever is exposed to wind

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

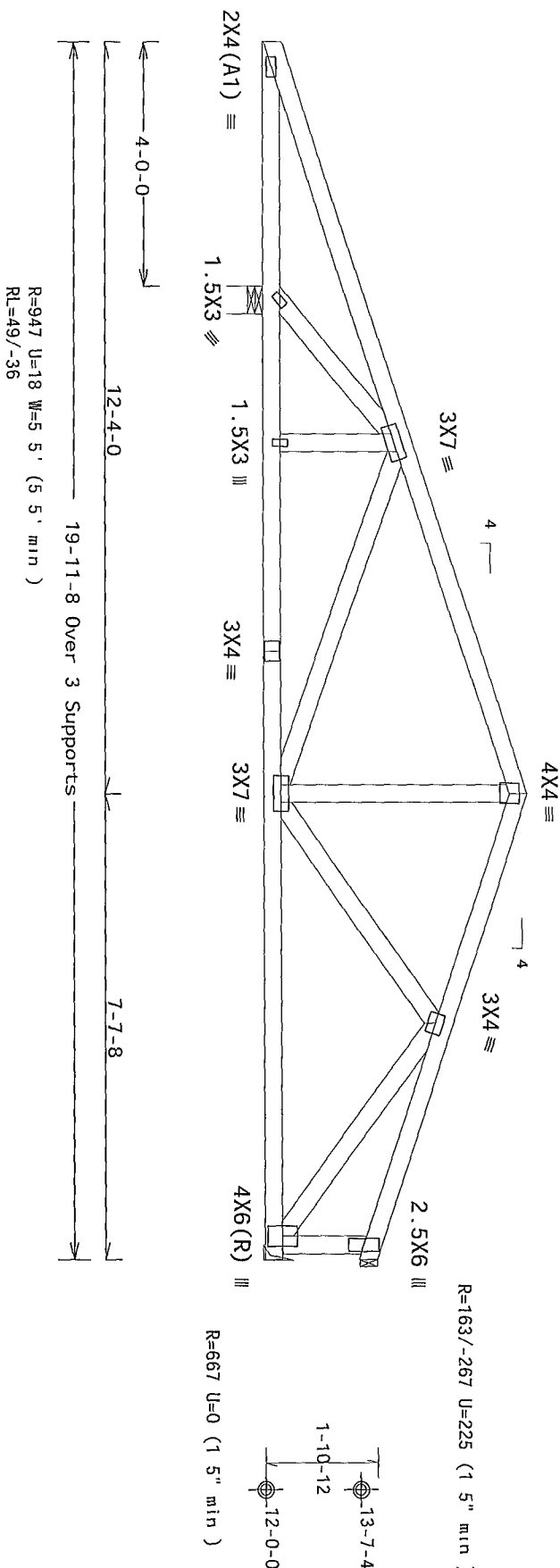
MMFRS loads based on trusses located at least 7 50 ft from roof edge

Negative reaction(s) of ~267# MAX (See below) from a non-wind load case requires uplift connection

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 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



PLT TYP Wave

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

12 08-04-0326 13

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

Scale = .375"/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

[illegible][illegible]

7-11-60

No. 70861

10



...

[illegible]

12/04/2013

SPACING

24 0"

JREF- 1V1V487_203

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - EJ3 3' End Jack)

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
Lt Bearing Leg 2x4 SP #3-13B

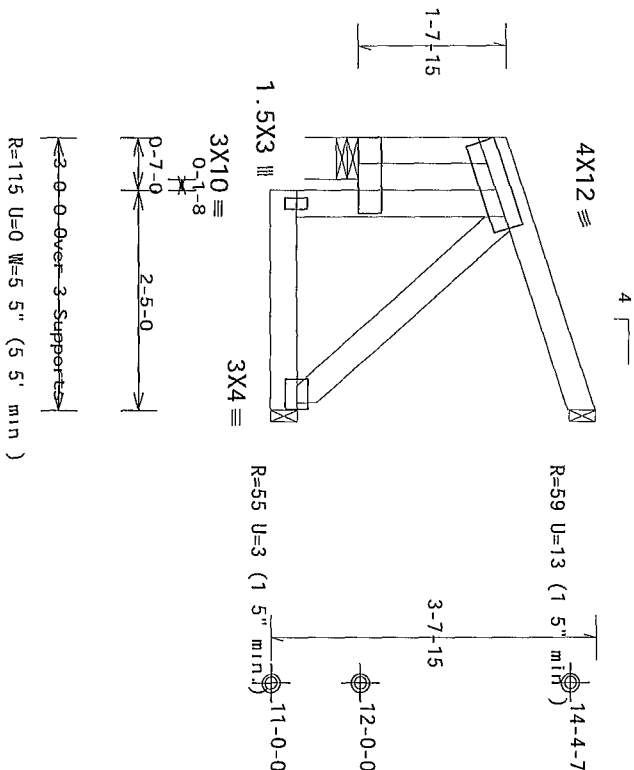
Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

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, 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

Bottom chord checked for 10.00 psf non-concurrent live load



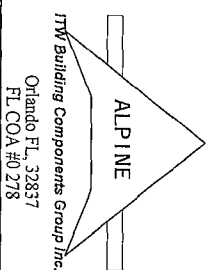
PLT TYP. Wave

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

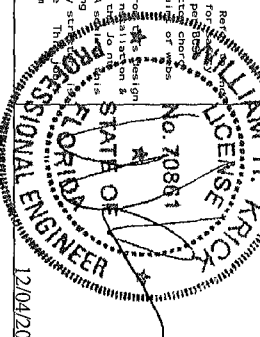
12/04/2013

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

Scale = .5"/Ft.



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the layout and erection of BCS1 (Building Component Safety) information by TPI and WTC. For practices or to perform these functions. Installers shall provide temporary bracing and bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bracing. BCS1 or B10 as appropriate shall have bracing installed per BCS1 instructions B5, B7 or B10 as appropriate.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure of the truss. The user shall be responsible for any deviation from this design or any failure of the truss. Apply plates to each face of truss and post on as shown above and on from Joist details unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal or drawing or cover page listing the design and use of this design for any other purpose is not permitted. The user shall be responsible for any deviation from this design or any failure of the truss. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure of the truss. ITWBCG www.itwbcg.com WTC www.wtcindustry.com ICC www.iccsafe.org



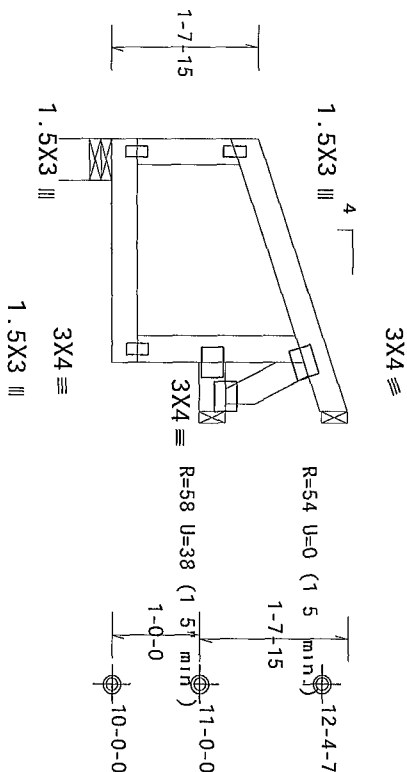
TC LL	20.0 PSF	REF	R9114-2647
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337148
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335491
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_203

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 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 increasee factor for dead load is 1.50



2-5-8 0-6-8
~~3-0-0 Over 3 Supports~~
 R=112 U=0 W=5 5' (5 5' m

R=112 U=0 W=5 5' (5 5' min)

PLT TYP Wave

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

12 03:04:03 13

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

Scale = 5"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** **WARNING**

Please read and follow all notes on this sheet prior to this decision to ALL CONTRACTORS INCLUDING INSTALLERS.

Tenuses requ re extreme care n fab cat ng hand ng n p ng install ng and bracing follow the latest edition of BCSI Building Component Safety Informac on by TPI and WTCO. Unles noted otherwise, all components shall be installed as shown. Temporary bracing shall have a properly stretched rigid coil n g locations shown for permanent lateral resistan e; shal have bracing metal ed per BCSI sections S3, B7 or B10 as applicable.

[T] Building Components Group Inc. (ITBCCI) shall be responsible for any deviation from any failure to build the truss in accordance with the drawings. No responsibility shall be placed on any failure to build the truss in accordance with the drawings. Apply plates to each face of the trusses and joists n g as shown above. Data is covered note othere s. Refer to drawings I60A-Z for standard plate posit on. A drawing or cover page listing this drawing indicates acceptance of profess onal seal near responsibility solely for the design shown. The suitability and use of th s design for any general notes page [T] BCS www.tbcs.com TPI www.tpinet.org WTCO www.stcindustry.com CC www.cccable.org

12/04/2013

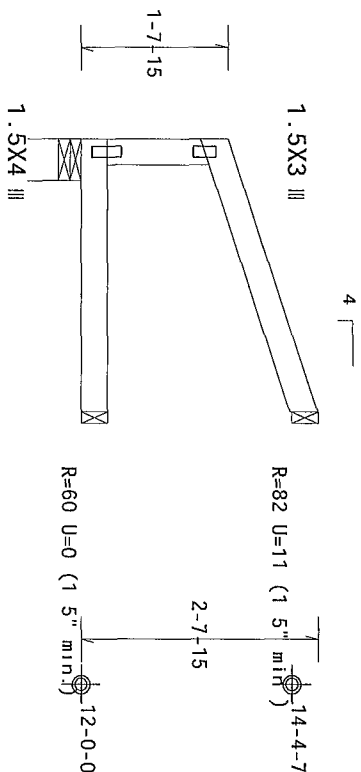
TC LL	20 0 PSF	REF R9114- 2648
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10 0 PSF	DRW HCUR9114 1333714Z
BC LL	0.0 PSF	HC-ENG WHK/MHK
TOT.LD	37.0 PSF	SEQN- 335488
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V1V487_Z03

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

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



~~≤ 3 0 0 Over 3 Supports~~

PLT Typ Wave

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

12 03:04 03:05 13

QTY.7

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 from extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BGSI (Building Component Safety Information) on BPI and WTCA. Products are prior to performing these functions. Installers shall provide temporary bracing. Unless noted otherwise, so that chord shall have properly attached structural sheathing and bolts shall have a properly attached r/g or d/c fitting. Locks are shown for permanent lateral restraint shall have brace installed per BGSI code one 3/4" or 1"0 as applicable.

[illegible]

RECEIVED
JUL 10 1964
U.S. DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

7086-1

STATISTICS

[illegible]

12/04

12/04/2013

SPALING

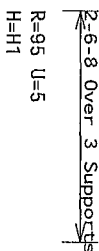
JKEF-141V481-203

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 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 increases factor for dead load is 1.50



Scale = .5"/Ft.

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0 278

12/04/20

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2650
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCS9114 13337112
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37 0 PSF	SEQN-	335037
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487 Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - EJ3 2 6 8 End Jack)

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

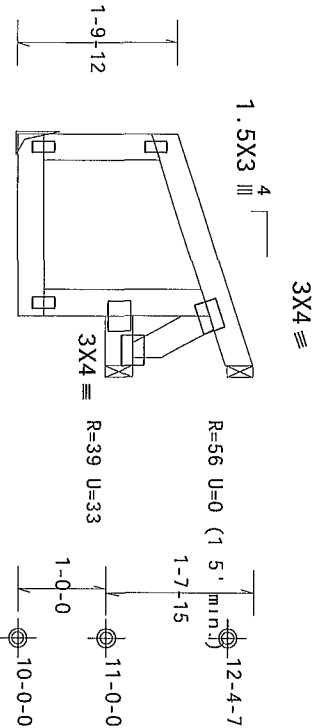
Bottom chord checked for 10 00 psf non-concurrent live load

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, Located anywhere in roof, 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



2-6-8 2-0-0 3 Supports

R=95 U=0
H=H1

PLT TYP Wave

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

12 03 04 2013

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

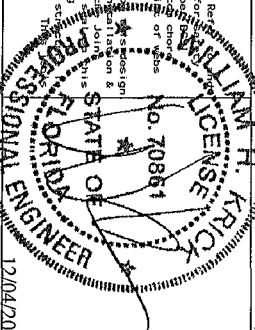
Scale =.5"/Ft.

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 fabricating handling shipping installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for the correct method of performing these functions. Truss installers shall provide temporary bracing per BCSI and WTC. Truss installers shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of the truss or for any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installing or bracing of trusses. Apply plates to each face of truss and post them as shown above and on the back of trusses. Unless noted otherwise. Refer to drawings 1804-2 for standard plate positions. A design engineer shall be responsible for the design of the truss. The manufacturer of the truss shall be responsible for the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information on the general notes page ITW-BCG www.itwbcg.com TPI www.tpinet.org WTC www.abctindustry.com ICC www.icccare.org



TC LL	20.0 PSF	REF R9114- 2651
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUSR9114 1337073
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SECON- 335014
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V1V487_Z03

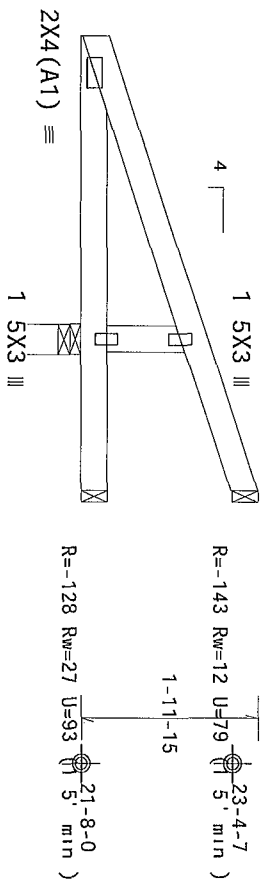
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 22.83 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 MRF-RS 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



3-2-0

5-0-0 Over 3 Supports

R=614 U=73 W=4" (4" min)
RL=38

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%
1.1.1.49	100%
1.1.1.50	100%
1.1.1.51	100%
1.1.1.52	100%
1.1.1.53	100%
1.1.1.54	100%
1.1.1.55	100%
1.1.1.56	100%
1.1.1.57	100%
1.1.1.58	100%
1.1.1.59	100%
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%
1.1.1.65	100%
1.1.1.66	100%
1.1.1.67	100%
1.1.1.68	100%
1.1.1.69	100%
1.1.1.70	100%
1.1.1.71	100%
1.1.1.72	100%
1.1.1.73	100%
1.1.1.74	100%
1.1.1.75	100%
1.1.1.76	100%
1.1.1.77	100%
1.1.1.78	100%
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%

12.02.04.0326.13

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

Scale = .5"/Ft.

ALPINE

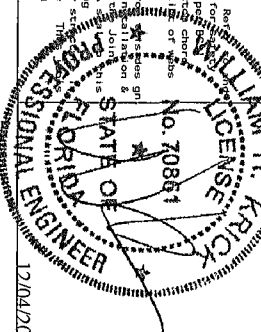
ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

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

Trussing, requiring extreme care in fabricating, handling, shipping, installing, and bracing, follow the latest edition of BCSI (Building Component Safety Information on by TPI and WTCB). Practices noted otherwise, per third party shall have properly attached structural sheath ng and bracing shall have a properly attached r g ceiling. Local ones shown for permanent lateral restrai nt shall have braci ng installed per BCSI sections 8.3, 8.7 or 8.10 as appli cable.

I^TBUILDING Components Group Inc. (**ITBDCO**) shall not be responsible for any damage or liability resulting from its failure to build the Trusts in conformance with ANSI/TPI-1 or for handling shiping or bracing of trusses. Apply plates to each face of Truss web position as shown above and on drawings. The contractor shall be responsible for obtaining all permits required by local building department drawing or cover page listing this drawing indicates acceptance of professional engineer responsibility solely for the design system. The AIA/EI/TPI-1 Sec 2. For more information see the responsibility of the Build ng Designer TPI www.tpinet.org WTCA www.slicindustry.com general home page ITH-BDC www.itdbco.com
www.itecusa.org



TC LL	20.0 PSF	REF	R9114 - 2652
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HOUSE9114 13337144
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335510
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1V487_Z03

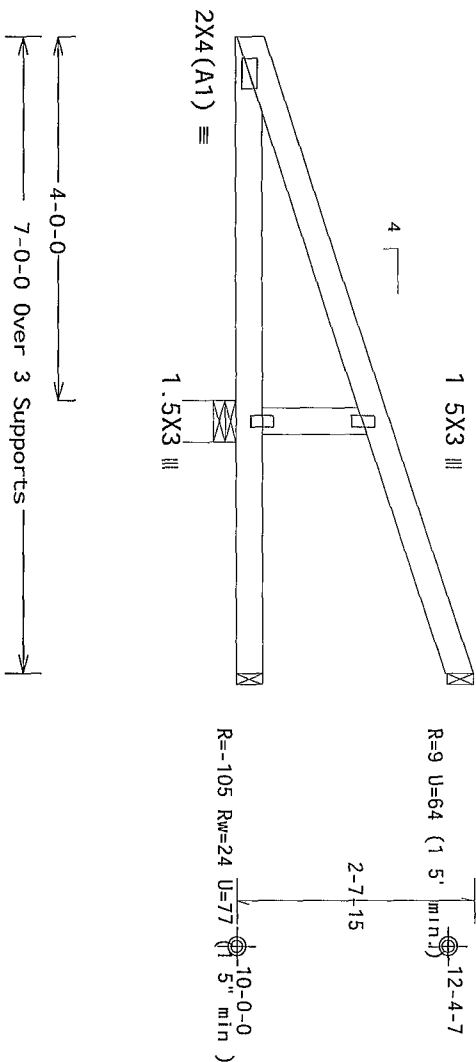
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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 6cpi(+/-)=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

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



R=698 U=28 W=5 5" (5 5" min)
RL=38

PLT TYP Wave

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

12-03-04-0026.13

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

Scale = .5"/Ft.

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

Tenureds require extreme care in fabricating, handling, air pigging, installing and bracing. Refer to the latest edition of BGS's Building Component Safety Information by TPI and WTCO. Follow the practices prior to performing these functions. Installers shall provide temporary bracing and bolting 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 or where there shall have bracing installed per BGS sections E3 and F3 or as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

ICC www.iccsafe.org

1. *Chlorophyll a* (Chl *a*)

CONFIDENTIAL

12/04/2013

TC LL	20.0 PSF	REF R9114- 2653
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUSR9114 13337113
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37 0 PSF	SEON- 335044
DUR. FAC.	1.25	FROM JMMW
SPACING	24.0"	JREF- 1V1V487_Z03

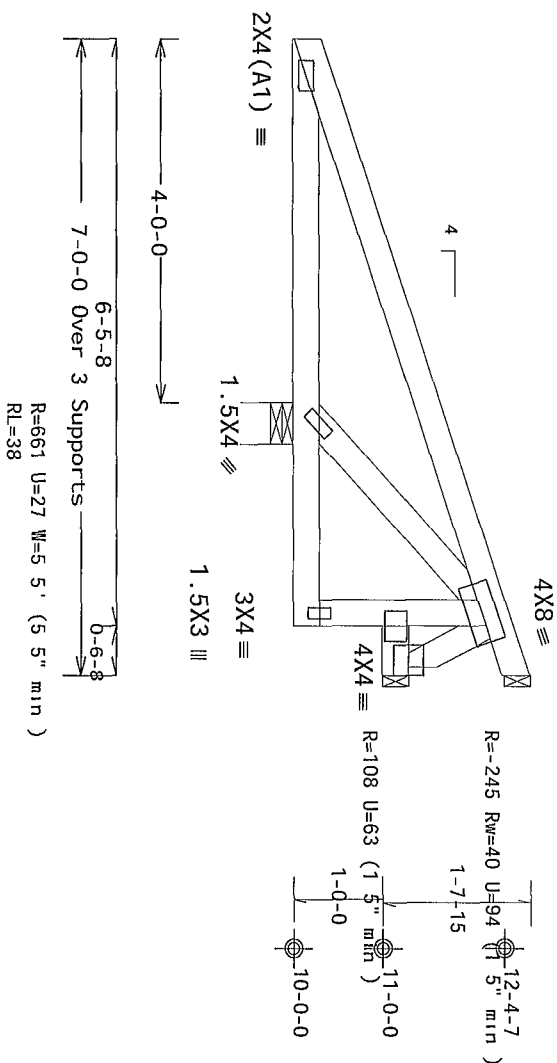
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Negative reaction(s) of -245# 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, 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 MWFRS 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



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

QTY:1

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

Scale = .5"/Ft.

ALPINE

ITV Building Components Group Inc

Orlando FL, 32837
FL COA #0278

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

Tensile reinforcement shall be fabricated, handling, installing and bracing in accordance with the provisions of the current edition of ACI 308R. Reinforcement shall follow the latest edition of BS81 (Building Component Safety) in respect of practices prior to or performing these functions. Installers shall provide temporary bracing prior to the installation of reinforcement. Reinforcement shall be installed in accordance with the provisions of BS81 (Building Component Safety) in respect of practices prior to or performing these functions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BS81 sections E3.07 or D.03 as applicable.

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

The Building Components Group (ITB-BCG) shall not be responsible for any design or engineering work performed by others. The BCG will not be responsible for any failure to build the trust in conformance with ANSI/TPI 1 or for handling shipping or warehousing of trusts. Apply places to each face of trusts and points on as shown above and on the back of trusts. Indicate the location of the trust on the drawing and on the drawing of cover page. If no data are available, indicate the location of the trust on the drawing of cover page. The responsibility solely for the design engineer. The suitability and use of the design for any application is the responsibility of the building designer. For more information see ITB-BCG www.itbdcg.com TPI www.tpi.net.org WTCA www.abcdindustry.com general notes page 178-006

ICC www.iccsafe.org

12047

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2654
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337081
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335029
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

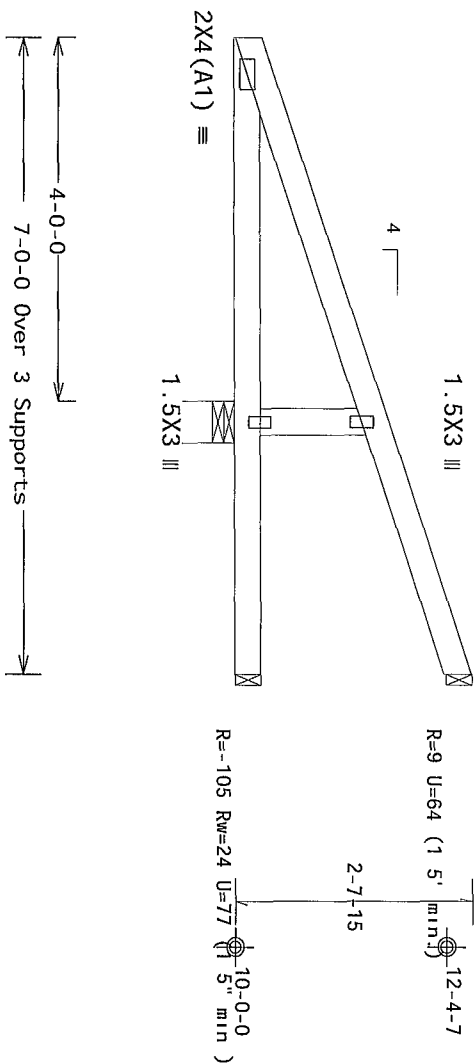
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf G_{CPI}(+/-)=0 18

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

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

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



R=698 U=28 W=5 5" (5 5" min)
RL=38

PLT TYP Wave

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

12.03.04.0326.13

QTY:43 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

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

Towers require extensive care in fabricating, handling, shipping, installing and bracing. To follow the latest edition of BCSI's Building Component Safety Information on by TPI and WTC's project case prior to performing these functions, installers shall provide temporary bracing. Unless noted otherwise, top chord shall have properly attached structural sheath rig and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints shall have bracing installed per BCSI's section 8.0 or 9.0 as applicable.

[illegible]

RECEIVED
JAN 10 1964
U.S. DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C.

No. 70854

**Graphic design
illustration &
production**

0-103

PROFESSIONAL ENGINEER

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114- 2655
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337124
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	335011
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

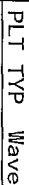
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf Gcpl(+/-)=0 18

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

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

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

Deflection meets $L/240$ live factor for dead load is 1 50



12.03.04.0326.13

Scale = .375"/Ft.

工 務 局

REF R9114- 2656

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

Trussers require extreme care in fabric casting handling, shipping, installing and bracing. Follow the latest edition of BCS (but id ing Component Safety Information by TPI and WTCB) product specs prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly installed per § 602 ceiling. Eave overhangs shall have permanent lateral restraint. All other bracing shall have one installed per § 602 section (BS, BD or BTW as applicable).

ITW Building Components Group Inc (IMBCG) shall not be responsible for any deviation from any future building codes or standards in conformance with ANSI/APA 1 or for handling, shipping, storing or erecting trusses. The design engineer shall ensure all trusses are shown above and on drawings of trusses. All girders shall be shown below and on drawings of trusses.

The design engineer shall pay no less than \$100,000 per year for liability insurance covering drawing and cover pages. If the design engineer indicates acceptance of professional and engineering responsibility solely for the design shown, the suitability and use of the design for installation and erection of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page ITW-BGC www.tbccg.com TPI www.tpi.net.org WTCB www.sbcindustry.com

A circular professional seal for the State of Florida, Professional Engineer. The seal contains the text "STATE OF FLORIDA", "PROFESSIONAL ENGINEER", and "No. 70861". There are two stars on the seal. A signature is written across the seal.

12/04/2017

TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 1333707
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37 0 PSF	SEON-	335081
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

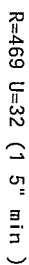
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP1 (+/-)=0 18

Wind loads and reactions based on MWFRS with additional 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

factor for dead load is 1.50



Scale = .375"/Ft.

ITV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 Trussers require extreme care in fabricating, handling, and bracing. Follow the latest edition of BCOS (Bu id mg Component Safety Information by TPI and WTCO). Practices prior to performing these functions Insulators shall provide temporary bracing. Unless noted otherwise, no top chord shall have properly attached structural sheathing and booms shall have a properly attached 2" x 10" ceiling. Locations shown for permanent lateral restraints shall have bracing installed per BCOS (Bu id mg) Section 63, 64, 65, 67 or 610 as applicable.
 ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any delay at or on Friday, June 10, 2011, due to this Truss in a conference with the ASHRAE 151 or for handling, and bracing. Data is, unless noted otherwise, Refer to drawing nos. 100A-2 for standard plate positions, drawing or cover page illustrating this drawing indicates acceptance of processes and methods near responsibility solely for the design shown. The suitability and use of this design and information and the responsibility of the Bu id mg Designer per ASHRAE 151 Sec 2. For more information see the general notes page ITW-BCG www.itwbcg.com TPI www.tpi.net WTCO www.theindustrycode.com ITW-BCG www.itwbcg.com

~~12/04/2013~~

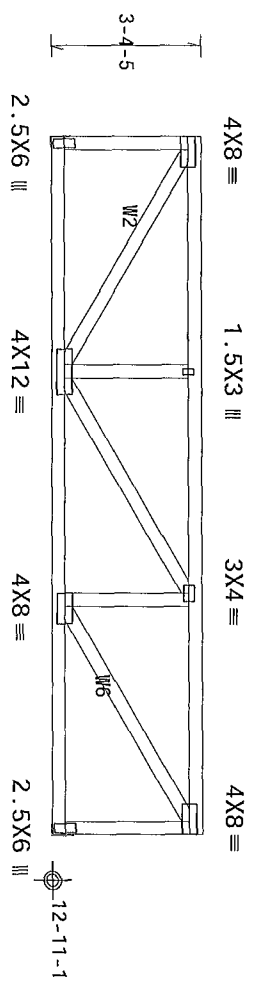
TC LL	20.0 PSF	REF	R9114- 2657
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337097
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335077
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3-13B W2, W6 2x4 SP #2-13B
Lumber grades designated with '13B' use design values approved
1/30/2013 by ALSC

Special loads
-----Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 177 pif at 0 00 to 177 pif at 15 34
BC- From 10 pif at 0 00 to 10 pif at 15 34
BC- 276 45 lb Conc Load at 2 06
BC- 300 42 lb Conc Load at 4 06
BC- 245 27 lb Conc Load at 6 06
BC- 183 21 lb Conc Load at 8 06
BC- 220 93 lb Conc Load at 9 28
BC- 216 98 lb Conc Load at 11 28, 13 28

(1) Hanger Support Required, by others
(H2) = HUS26 w/ (2) 2x6 SP #2-13B supporting member
(14) 0 162 x3 5" nails into supporting member,
(4) 0 162 x3 5" nails into supported member

Truss must be installed as shown with top chord up

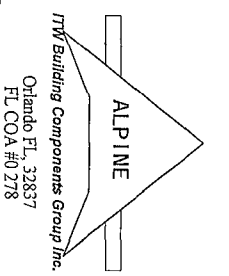


R=2303 U=135
H=H1

R=2225 U=171
H=H2

15'-4-1 Over 2 Supports

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 =.25"/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. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any delays or for the cost of any failure to build the truss in conformance with ANSI/TPI 1, or for any other reason.
Bracing of trusses: Apply bracing to each face of truss and position as shown above and on the back of the truss. Refer to drawings 160A-Z for standard plate positions. Always check the truss for proper bracing and use of this design for any other purpose without the written consent of ITWBCG. For more information see the ITWBCG website at www.itwbcg.com. TPI website at www.tpi.com. WTC website at www.wtc.com.
ICC www.iccsafe.org

TC LL	20.0 PSF	REF	R9114- 2658
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337123
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335167
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

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 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

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

factor for dead load is 1.50



Orlando FL, 32837
FL COA #0278

Trussers require extreme care in rafter and/or rafter shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety) information on BT and BTCA. Practice each step prior to performing these functions. Trussers shall provide temporary bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP section 6.3 BT or BTCA as applicable.

ITW Building Components Group Inc (ITWBCG) shall not be responsible for:

[illegible]

~~12/04/2013~~

TC LL	20 0 PSF	REF	R9114- 2659
TC DL	7 0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13357133
BC LL	0.0 PSF	HC- ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335493
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

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 and right cantilevers are exposed to wind

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

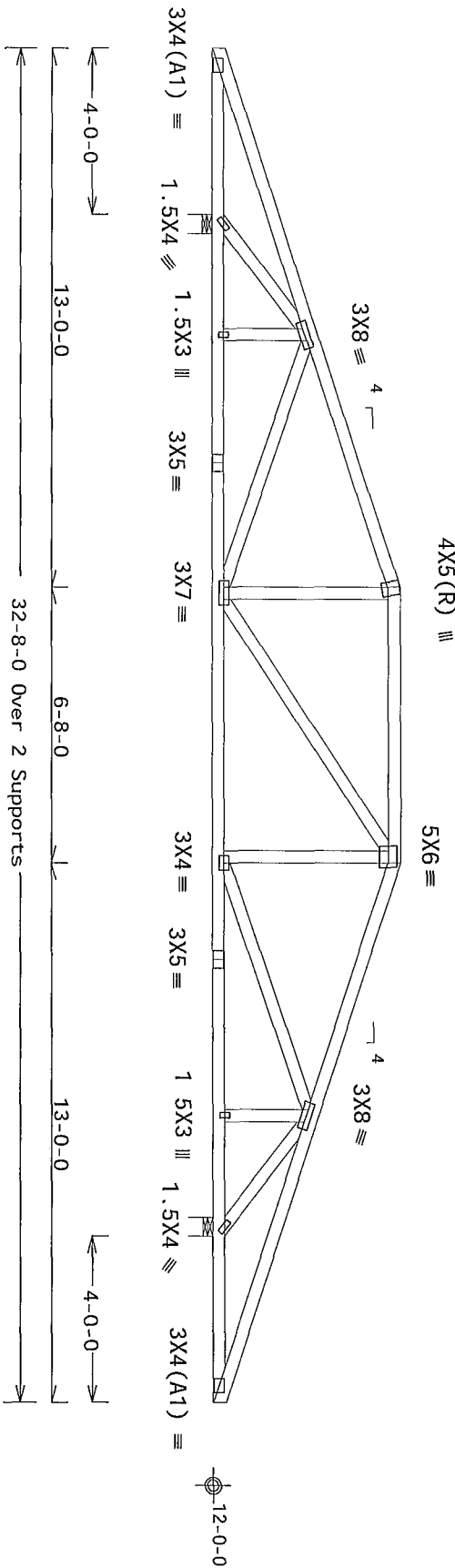
MMFRS loads based on trusses located at least 7 50 ft from roof edge

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



R=1236 U=35 W=5 5" (5 5" min)
RL=58/-58

R=1236 U=35 W=5 5" (5 5" min)

PLT TYP Wave Design Crit FBC2010Res/TPI-2007(STD) 12-03-04 0326.13 QTY:2 FL/-/5/-/5/-/R/- Scale =.25"/Ft.

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

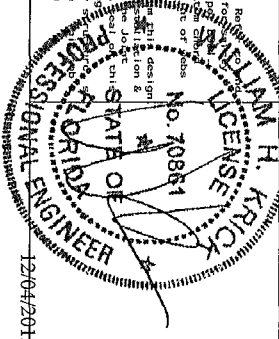
Trusses require extreme care in fabricating handling shipping installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WTC) for practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS1 sections B3 B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from the design and any failure to build the trusses in accordance with the design. Apply bracing to each face of truss and post it on as shown above and on the back of cover page listing this design. Refer to drawings 160A-2 for standard plate positions. A seal of approval is required for the design. The suitability and use of this design for any structure shall be the responsibility of the user. ITWBCG shall not be responsible for any structure. For more information see general notes page 117W-BGC www.itwbcg.com TPI www.tpiinc.com WTC www.structure.com ICC www.iccsafe.org

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278



12/04/2013

TC LL	20.0 PSF	REF	R9114- 2660
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337134
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335495
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

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

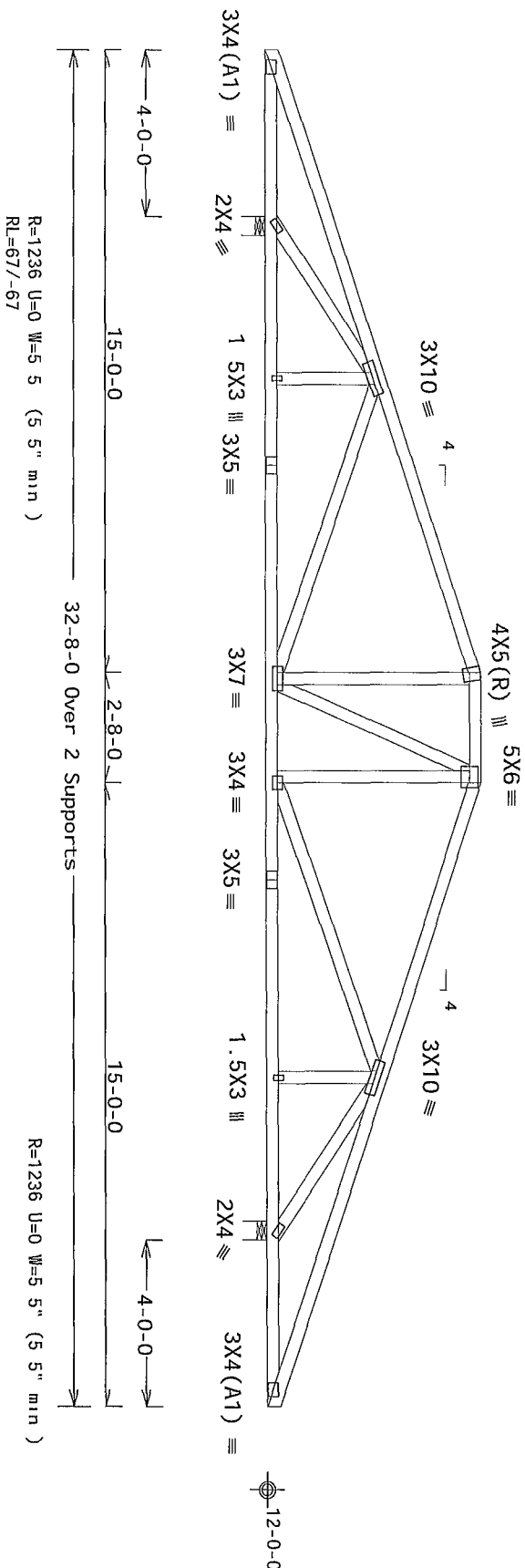
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

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 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%	100%
1.1.1.2	100%	100%
1.1.1.3	100%	100%
1.1.1.4	100%	100%
1.1.1.5	100%	100%
1.1.1.6	100%	100%
1.1.1.7	100%	100%
1.1.1.8	100%	100%
1.1.1.9	100%	100%
1.1.1.10	100%	100%
1.1.1.11	100%	100%
1.1.1.12	100%	100%
1.1.1.13	100%	100%
1.1.1.14	100%	100%
1.1.1.15	100%	100%
1.1.1.16	100%	100%
1.1.1.17	100%	100%
1.1.1.18	100%	100%
1.1.1.19	100%	100%
1.1.1.20	100%	100%
1.1.1.21	100%	100%
1.1.1.22	100%	100%
1.1.1.23	100%	100%
1.1.1.24	100%	100%
1.1.1.25	100%	100%
1.1.1.26	100%	100%
1.1.1.27	100%	100%
1.1.1.28	100%	100%
1.1.1.29	100%	100%
1.1.1.30	100%	100%
1.1.1.31	100%	100%
1.1.1.32	100%	100%
1.1.1.33	100%	100%
1.1.1.34	100%	100%
1.1.1.35	100%	100%
1.1.1.36	100%	100%
1.1.1.37	100%	100%
1.1.1.38	100%	100%
1.1.1.39	100%	100%
1.1.1.40	100%	100%
1.1.1.41	100%	100%
1.1.1.42	100%	100%
1.1.1.43	100%	100%
1.1.1.44	100%	100%
1.1.1.45	100%	100%
1.1.1.46	100%	100%
1.1.1.47	100%	100%
1.1.1.48	100%	100%
1.1.1.49	100%	100%
1.1.1.50	100%	100%
1.1.1.51	100%	100%
1.1.1.52	100%	100%
1.1.1.53	100%	100%
1.1.1.54	100%	100%
1.1.1.55	100%	100%
1.1.1.56	100%	100%
1.1.1.57	100%	100%
1.1.1.58	100%	100%
1.1.1.59	100%	100%
1.1.1.60	100%	100%
1.1.1.61	100%	100%
1.1.1.62	100%	100%
1.1.1.63	100%	100%
1.1.1.64	100%	100%
1.1.1.65	100%	100%
1.1.1.66	100%	100%
1.1.1.67	100%	100%
1.1.1.68	100%	100%
1.1.1.69	100%	100%
1.1.1.70	100%	100%
1.1.1.71	100%	100%
1.1.1.72	100%	100%
1.1.1.73	100%	100%
1.1.1.74	100%	100%
1.1.1.75	100%	100%
1.1.1.76	100%	100%
1.1.1.77	100%	100%
1.1.1.78	100%	100%
1.1.1.79	100%	100%
1.1.1.80	100%	100%
1.1.1.81	100%	100%
1.1.1.82	100%	100%
1.1.1.83	100%	100%
1.1.1.84	100%	100%
1.1.1.85	100%	100%
1.1.1.86	100%	100%
1.1.1.87	100%	100%
1.1.1.88	100%	100%
1.1.1.89	100%	100%
1.1.1.90	100%	100%
1.1.1.91	100%	100%
1.1.1.92	100%	100%
1.1.1.93	100%	100%
1.1.1.94	100%	100%
1.1.1.95	100%	100%
1.1.1.96	100%	100%
1.1.1.97	100%	100%
1.1.1.98	100%	100%
1.1.1.99	100%	100%
1.1.1.100	100%	100%

12 03:04:0026.13

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

Scale = .25"/Ft.

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

F. K.

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

REF R9114- 266.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI's (Building Component Safety Information by TPI and WCA) *Trussing* for more information.

RECEIVED

TC DL	7.0 F
-------	-------

DATE 12/03/11

practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom

pep
B
chora

100

ac ni

DBP# 110100174 42222-

shall have a properly attached rigid ceiling locations shown for permanent lateral restraints shall have bracing installed per BCS sections B3, B7 or B10 as appl cable

No. 70861

BC 11	10:01
BC DL	10:01

DRW HLUSKJ114 13332

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping

designations of the stars

BC	0.0
LL	0.0

HC-ENG WHK/WHK

bracing of trusses. Apply plates to each face of truss and position as shown above and on details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A

OFFICE OF THE ATTORNEY GENERAL

TOT LB.	37.0 H
---------	--------

SEQN-	335484
-------	--------

drawing or cover page listing this drawing indicates acceptance of professional engineer respons ability solely for the design shown The suitability and use of this design for any

9
SEN
703104
NEE

DUR.FAC. 1.25

FROM JMW

the respons b ility of the Building Designer per ANSI/TP1 1 Sec 2
general notes page 17W BCG www iwbcbg com TP1 www tpinst org WICA www sbcindustry com

SPACING 24.0"

IBEE- 1V1V487 70

ILL www.iccsafe.org

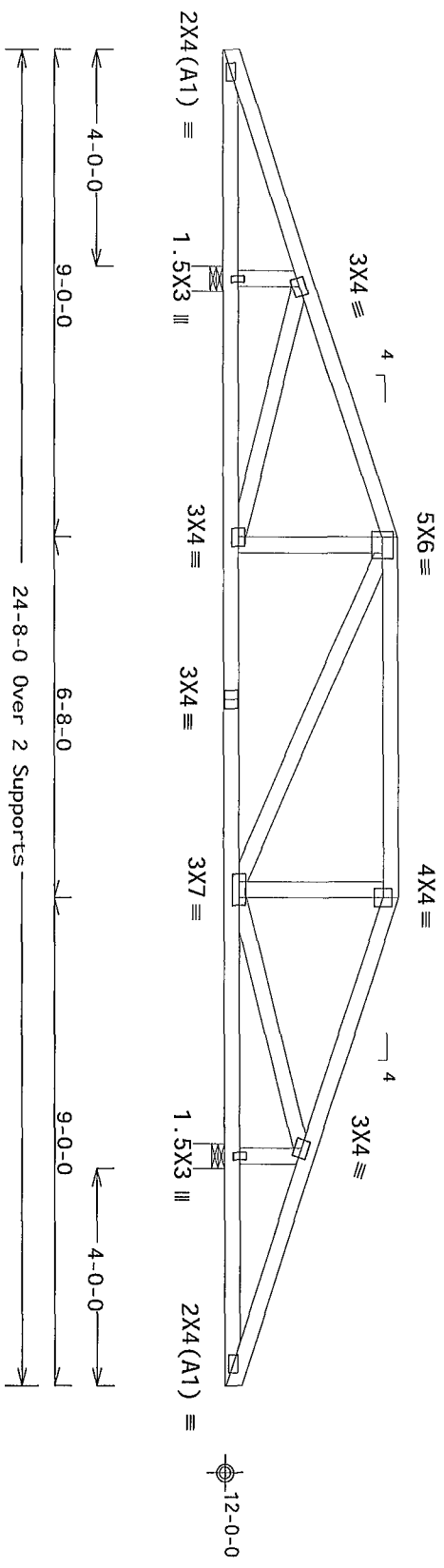
CONFIDENTIAL

2013	21,701,180	27.0
------	------------	------

191701-2

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 and right cantilevers are exposed to wind
 Bottom chord checked for 10 00 psf non-concurrent live load
 MMFRS loads based on trusses located at least 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 GCP(+/-)=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



R=944 U=22 W=5 5" (5 5" min)
 RL=38/-38
 R=944 U=22 W=5 5" (5 5" min)

PLT TYP Wave Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 12 02 2013 0626.13 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/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 installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WTC) for details. Trusses shall have a properly attached field joint. Lateral bracing shall be provided for all trusses. Trusses shall have bracing installed per BCSI sheet one B3 by or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any damage or injury resulting from the use of this design for any structure not specifically designed for this purpose. The user of this design shall be responsible for obtaining all necessary permits and for complying with all applicable codes and regulations. The user of this design shall be responsible for obtaining all necessary permits and for complying with all applicable codes and regulations.

any 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 posit on as shown above and on details unless noted otherwise. Refer to drawings 180A-2 for standard plate positions. A drawing or cover page listing the truss design and use of this design for any structure not specifically designed for this purpose shall be the responsibility of the user of this design. The user of this design shall be responsible for obtaining all necessary permits and for complying with all applicable codes and regulations.

general notes page ITW BCG www.bcg.com TPI www.tpi.com WTC www.wtc.com

PROFESSIONAL ENGINEER

FLORIDA

12/04/2013

TC LL		TC DL		BC DL		BC LL		TOT LD		DUR.FAC.		SPACING	
20.0	PSF	7.0	PSF	10.0	PSF	0.0	PSF	37.0	PSF	1.25		24.0"	

REF	DATE	DATE	DATE
R9114-	2662	12/03/13	
DRW	HCSUR9114	13337076	
HC-ENG	WHK/WHK		
SEQN-	335021		
FROM	JMM		

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

Left and right cantilevers are exposed to wind

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

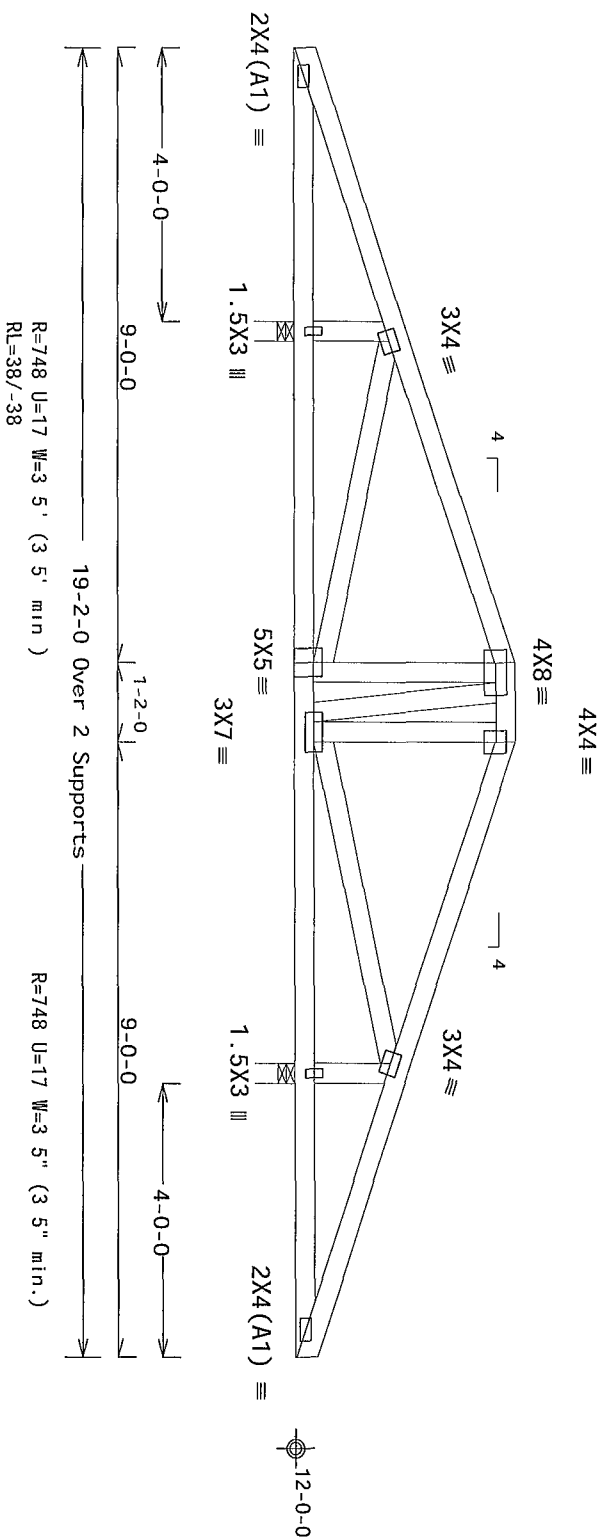
MMFRS loads based on trusses located at least 7 50 ft from roof edge

120 mph wind, 15 00 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, 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

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 04 0326.13

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

Trusses require extreme care in fabricating, shipping, installing and bracing. To follow the latest edition of BCSI's Building Component Safety Information on (by TPI and WTC) practices as per or to performing these functions, installers shall provide temporary bracing. Unless noted otherwise, see top chord shall have properly attached structural sheath and bottom chord shall have a properly attached rigid girding. Local ones shown for permanent lateral restraint shall have bracing installed per BCSI's section 83, 87 or 810 as applicable.

ALPINE

ITW Building Components Group Inc.

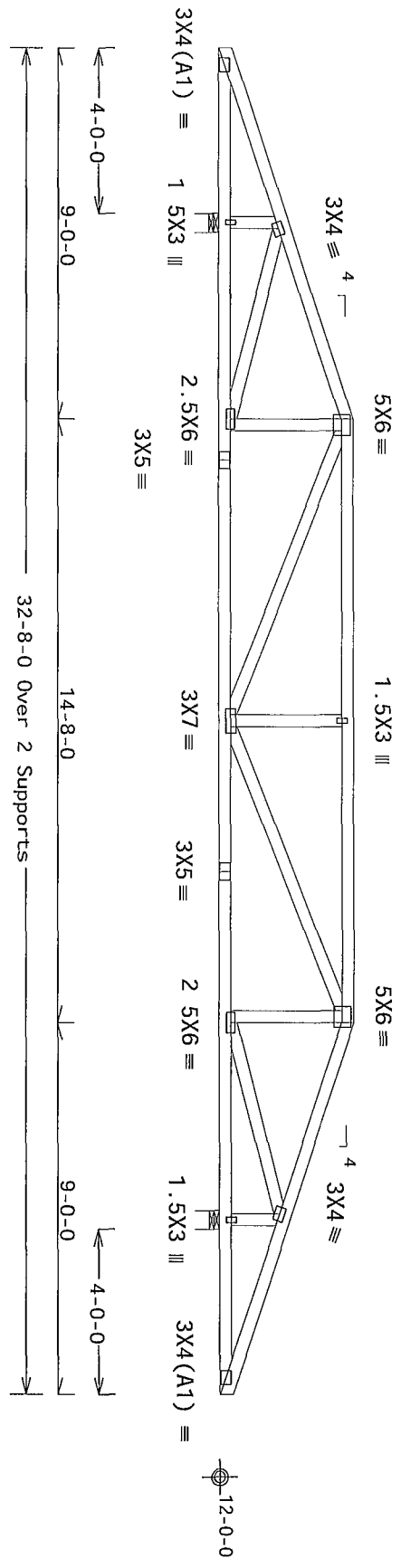
Orlando FL, 32837
FL COA #0278

the response by the Building Design Partnership (BDS) to the 2002
general notes page 176 BDS www.bds.org.uk
ICC www.iccsafe.org

TC LL	20.0 PSF	REF	R9114- 2663
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337121
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD	37 0 PSF	SEQN-	335462
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1VVV487_Z03

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 and right cantilevers are exposed to wind
Bottom chord checked for 10 00 psf non-concurrent live load
MMFRS loads based on trusses located at least 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



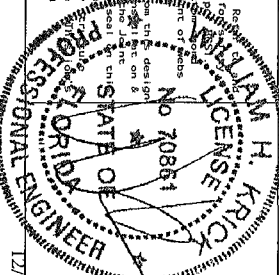
R=1236 U=36 W=5 5 (5 5" min)
RL=40/-40
R=1236 U=36 W=5 5 (5 5" min)

PLT TYP Wave Design Crit FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0) 12.03.04.0326.13 QTY:2 FL/-/5/-/5/-/R/- Scale =.25"/Ft.

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

ALPINE

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



TC LL	20.0 PSF	REF	R9114- 2664
TC DL	7 0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337132
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	335486
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

12/04/2013

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP #1 Dense-13B B2 2x6 SP #2-13B
Webs 2x4 SP #3-13B

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 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

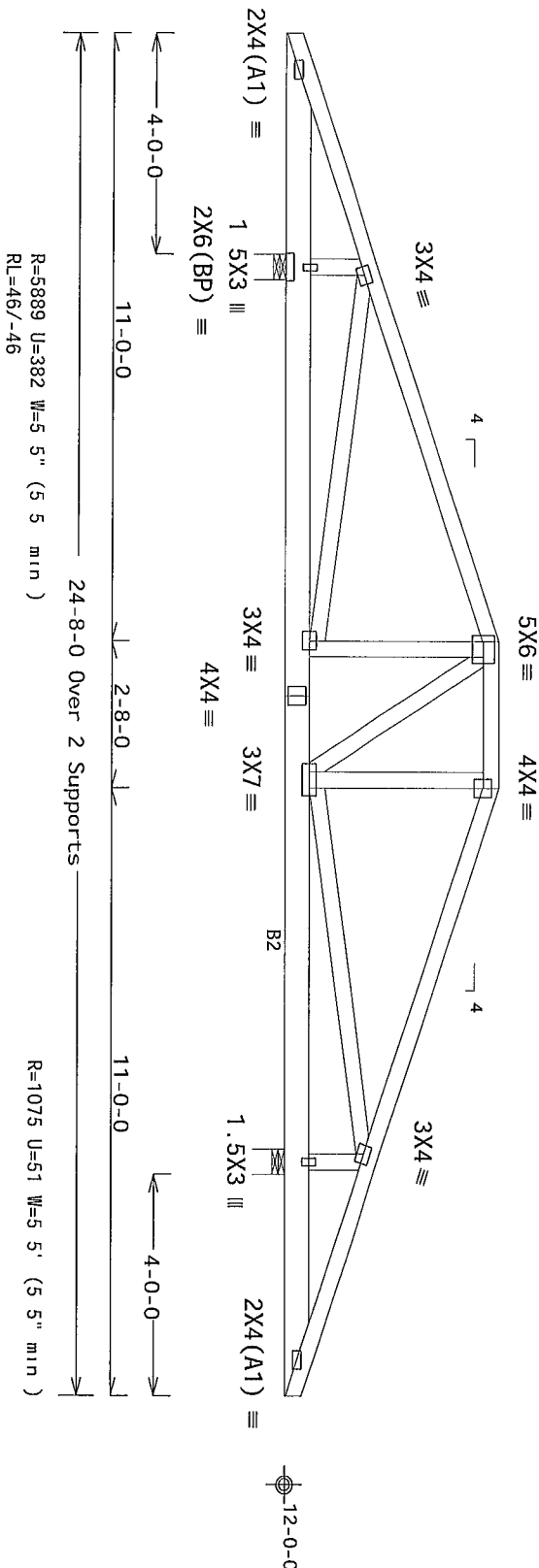
Bottom chord checked for 10 00 psf non-concurrent live load

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

Special loads
-----Lumber
TC- From Dur Fac =1 25 / Plate Dur Fac =1 25
55 pif at 0 00 to 55 pif at 11 00
TC- From 55 pif at 11 00 to 55 pif at 13 67
TC- From 55 pif at 13 67 to 55 pif at 24 67
BC- From 20 pif at 0 00 to 20 pif at 24 67
BC- 5075 69 lb Conc Load at 4 65

Left and right cantilevers are exposed to wind
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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



PLT TYP Wave

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

12 03 04 0326 13

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

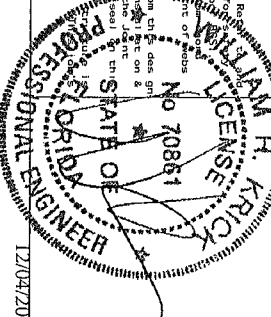
Scale =.3125"/Ft

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 INSTALLERS
Trusses require extreme care in fabricating handling and bracing. Follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WIGA for proper installation. Trusses shall have properly attached structural sheathing and bracing. Trusses shall have a properly attached ridge beam. Trusses shall have bracing installed per BCSI section B3 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown in this drawing. The suitability and use of this design for any particular application shall be the responsibility of the user. For more information see general notes page ITW BCS www.bcsinfo.org ITW BCS www.bcsinfo.org
ITW BCS www.bcsinfo.org



TC LL	20.0 PSF	REF R9114- 2665
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCSR9114 13337126
BC LL	0.0 PSF	HC-ENG WHK/MHK
TOT LD.	37.0 PSF	SEQN- 335318
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V1V487_Z03

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

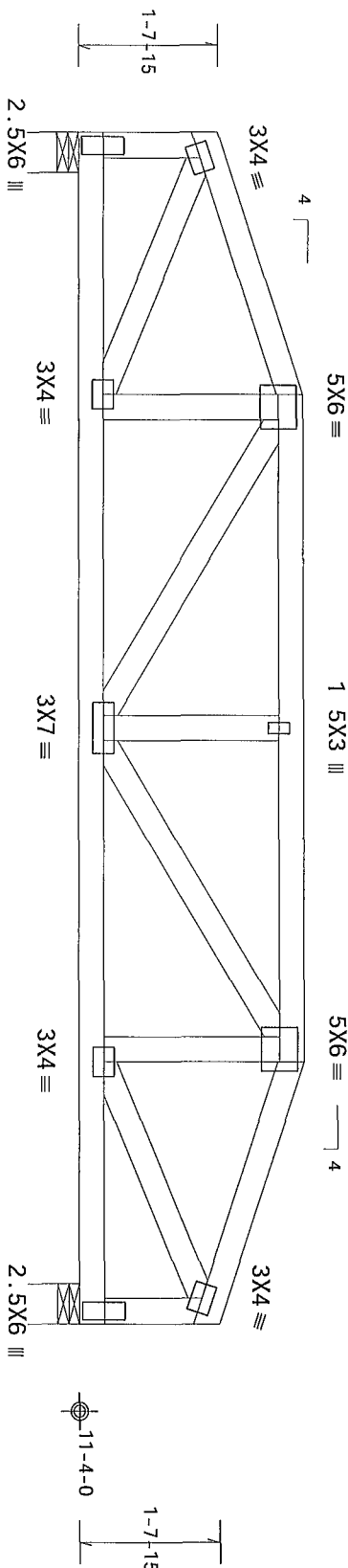
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

Wind loads and reactions based on MWFRS

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



```

Special loads
-----
Lumber      Dur  Fac =1 25 / Plate Dur Fac =1 25)
TC-From      55 pif at 0 00 to 55 pif at 3 00
TC-From      27 pif at 3 00 to 27 pif at 10 67
TC-From      55 pif at 10 67 to 55 pif at 13 67
BC-From      20 pif at 0 00 to 20 pif at 3 03
BC-From      10 pif at 3 03 to 10 pif at 10 64
BC-From      20 pif at 10 64 to 20 pif at 13 67
TC-18 37 lb Conc Load at 3 03
TC-TC-8 63 lb Conc Load at 5 06, 6 83, 8 60
TC-16 06 lb Conc Load at 10 64
BC-168 95 lb Conc Load at 3 03
BC-37 39 lb Conc Load at 5 06, 6 83, 8 60
BC-186 50 lb Conc Load at 10 64

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

```

R=374 U=779 W=5 5" (5 5" min)

13-8-0 Over 2 Supports

3-0-0

7-8-0

3-0-0

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

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

Tinnsos requ extreme care n fair cat handng shpping mscalling and brac ng
follow the latest edition of BCSI (8) id ng Component Safety Information by TPI and WtCA)
practices prior to performing these functions. Insellers shall prov a temporary brac ng system
Unless noted otherwise top chord shall have properly attached structural sheath ng and bol
shall have brace ng installed per BCSI section E3.57 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any delay in the construction of the building or any failure to build the structure in accordance with ANSI/TPI-1 or for building the structure in accordance with the approved plans.

decisions are addressed under the rubric of "designing this way" and "designing that way." The author's understanding of professional engineering responsibility is largely based on the design of the responsibility of the Building Division for the design of the building. For more information see the responsible page 171-BCC www.tedco.org ITCA www.sdcindustry.co.uk www.tedco.org

12/04/2013

TC LL	20 0 PSF	REF R9114- 2666
TC DL	7 0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUR9114 1337075
BC LL	0.0 PSF	HC-ENG WHK/MMHK
TOT. LD.	37.0 PSF	SEQN- 335444
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V1/487_Z03

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, 22.83 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 MWFRS

Left and right cantilevers are exposed to wind

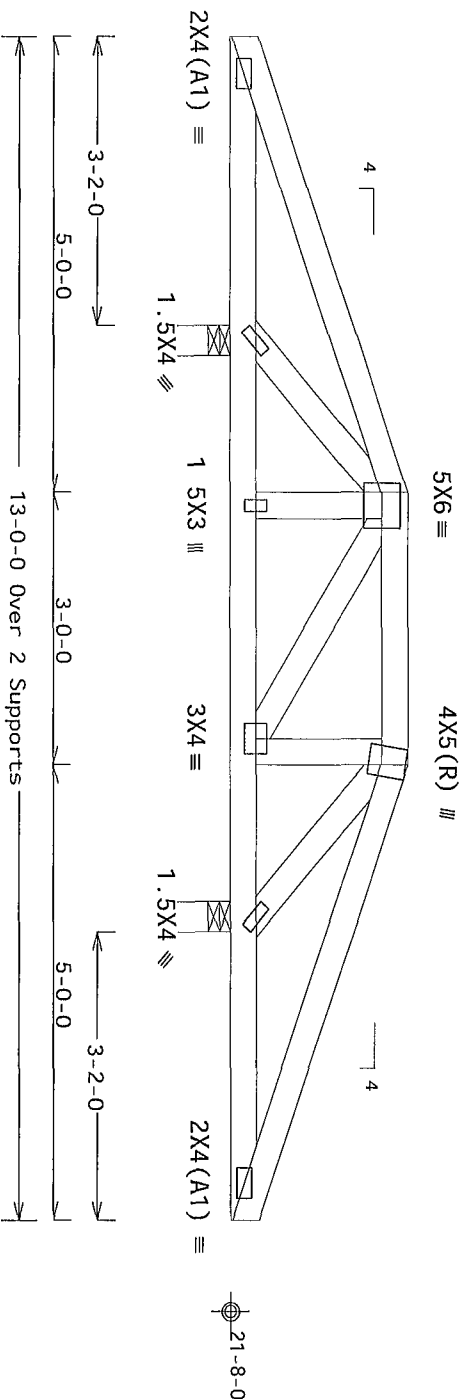
Bottom chord checked for 10.00 psf non-concurrent live load

Special loads

TC-From	55 pif at 0.00 to 55 pif at 5.00
TC-From	27 pif at 5.00 to 27 pif at 8.00
TC-From	55 pif at 8.00 to 55 pif at 13.00
BC-From	20 pif at 0.00 to 20 pif at 5.03
BC-From	10 pif at 5.03 to 10 pif at 7.97
BC-From	20 pif at 7.97 to 20 pif at 13.00
TC-141.93 lb Conc	Load at 5.03, 7.97
TC-25.91 lb Conc	Load at 6.50
BC-151.58 lb Conc	Load at 5.03, 7.97
BC-55.84 lb Conc	Load at 6.50

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



R=356 U=321 W=4 (4 min)

R=356 U=321 W=4 (4 min)

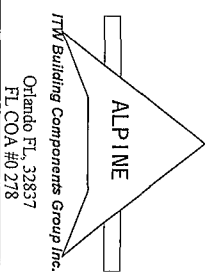
PLT TYP Wave

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

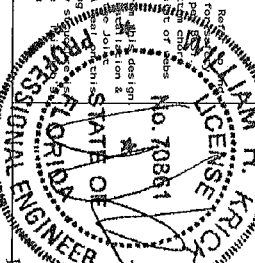
12.03.04.0326.13

QTY:2 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, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTC. 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 r/gid ceiling. Locations shown for permanent lateral restraint of chords shall have bracing installed per BCSI sections B3, B7 or B10 as apply. Cable any failure to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, installation, or erection. Refer to drawings 1604-Z for standard plate positions. A design engineer shall be responsible for the design shown. The suitability and use of this design for any specific application is the responsibility of the Building Designer per ANSI/TP1-1 Sec 2. For more information on see the BCSI notes page (BCSI-800) www.bcsinfo.com TPI www.tpi.net org WTC www.stc industry.com ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R9114-2667
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H05R9114 13337143
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335511
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF	1V1V487_Z03

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, 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

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.

These support conditions used at bearings indicated
(H1) = LU24 w/ (2)2x6 SP SS-13B supporting member,
(4) SD9112, 0.131"x1.5" into supporting member,
(2) SD9112, 0.131"x1.5" into supported member

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

Special loads

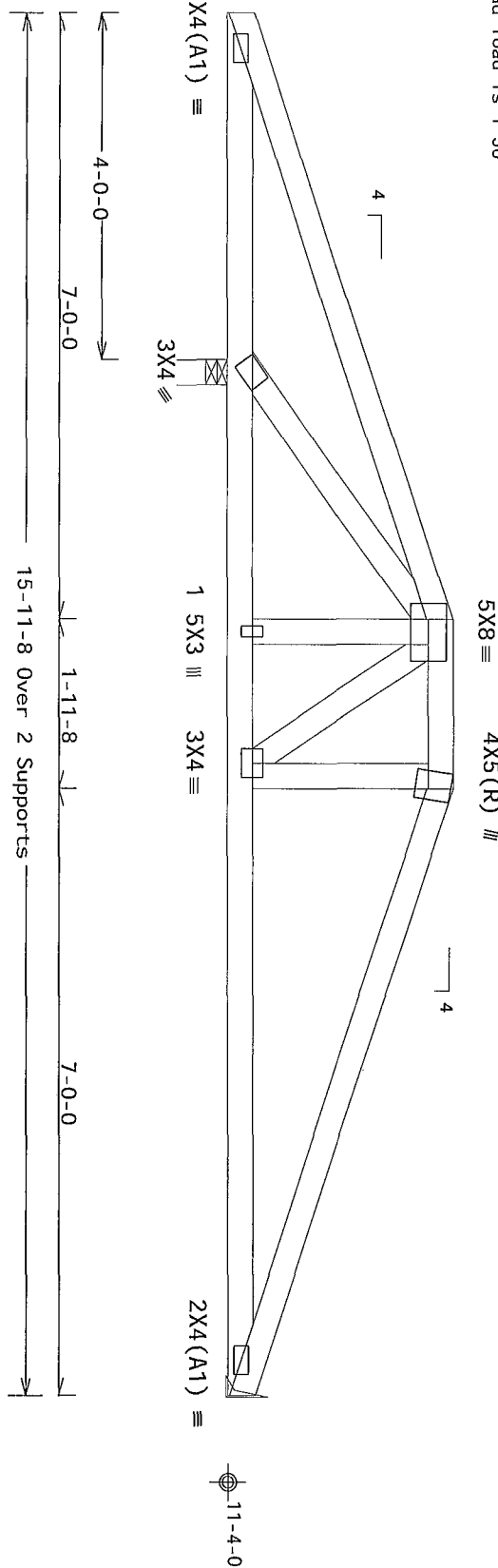
-----Lumber	Dur Fac = 1.25 / Plate Dur Fac = 1.25
TC-From	55 pif at 0.00 to 55 pif at 7.00
TC-From	55 pif at 7.00 to 55 pif at 8.96
TC-From	55 pif at 8.96 to 55 pif at 15.96
BC-From	20 pif at 0.00 to 20 pif at 7.03
BC-From	10 pif at 7.03 to 10 pif at 8.93
BC-From	20 pif at 8.93 to 20 pif at 15.96
TC-18.37 lb Conc	Load at 7.03, 8.93
BC-168.95 lb Conc	Load at 7.03, 8.93

Left cantilever is exposed to wind

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

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



R=587 U=717 W=3.5' (3.5" min)

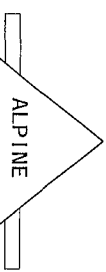
R=316 U=322
H=H1

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.

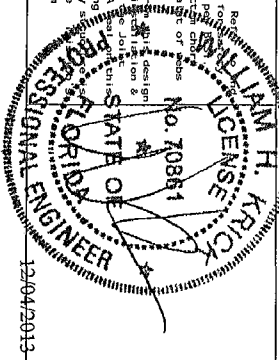


ITW Building Components Group Inc.
Orlando FL 32837
FL COA #0278

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 erecting. Be sure to follow the latest edition of BCSI (Building Component Safety Information by TPI and WTC) for practices prior to performing these functions. Installers shall provide temporary bracing and shoring unless noted otherwise. Top chord shall have properly attached structural sheathing and blocking. Truss shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design and/or use of the truss in accordance with ANSI/TPI 1 or for handling, shipping, erecting, bracing, blocking, or any other use of the truss. Refer to drawings 160A-Z for standard plate positions. A truss shall be drawn and cover page listing the design shown. The suitability and use of this design for any specific responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see the general notes page ITW-BCSI www.tlccog.com TPI www.tpinet.org WTC www.structure.com



TC LL	20.0 PSF	REF	R9114- 2668
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337083
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQR-	335144
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

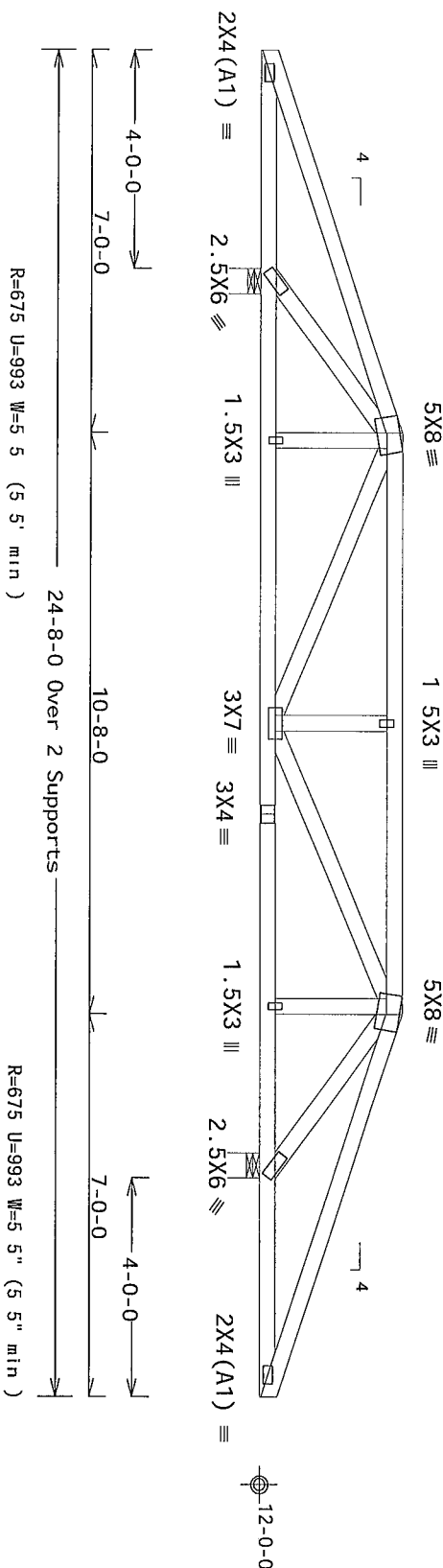
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MWFRS

Left and right cantilevers are exposed to wind

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

Special loads					
-----Lumber					
TC-From	Dur	Fac = 1 25 /	Plate	Dur	Fac = 1 (25)
	55 pif at	0 00 to	55 pif at	7 00	
TC-From	27 pif at	7 00 to	27 pif at	17 67	
TC-From	55 pif at	17 67 to	55 pif at	24 67	
BC-From	20 pif at	0 00 to	20 pif at	7 03	
BC-From	10 pif at	7 03 to	10 pif at	17 64	
BC-From	20 pif at	17 64 to	20 pif at	24 67	
TC-18 37 lb Conc	Load at	7 03, 17 64			
TC-8 63 lb Conc	Load at	9 06, 11 06, 12 33, 13 60			
15 60					
BC--168 95 lb Conc	Load at	7 03, 17 64			
BC--37 39 lb Conc	Load at	9 06, 11 06, 12 33, 13 60			
15 60					
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					



PLT_TYP Wave

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

12.034104140326.13

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

Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Tenuses require extreme care in fabricating, handling, shipping, installing, and bracing
follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCO)
shall be prior to performing these functions. Installers shall provide temporary bracing
bracketing have a properly attached rigid ceiling
bracketing shall be shown structural bracing and load
bracketing shall be shown structural bracing and load
bracketing shall be shown structural bracing and load

ITL Bu. 14 mg Components Group Inc. (ITMBOS) shall not be responsible for any deviation from
any drawing or building code. Apply places to each piece of truss and post to
Details unless noted otherwise. Refer to draw ncs 160A-7 for standard plate positions. A
draw ng or cover page 1 et ng this drawing do not exceed accordance of professional engineer
responsibility solely for the design shown. The suitability and use of this design for any
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see
general notes page ITM-BOS www.tlbbow.com TPI www.tpinet.org WTCO www.structure.com
ICC www.iccinc.org

WILLIAM H. KRICK
LICENSE
No. 70861

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114- 2669
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCU8R9114 1333708
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335148
DUR. FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V1V487 Z03

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, 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 GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS

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

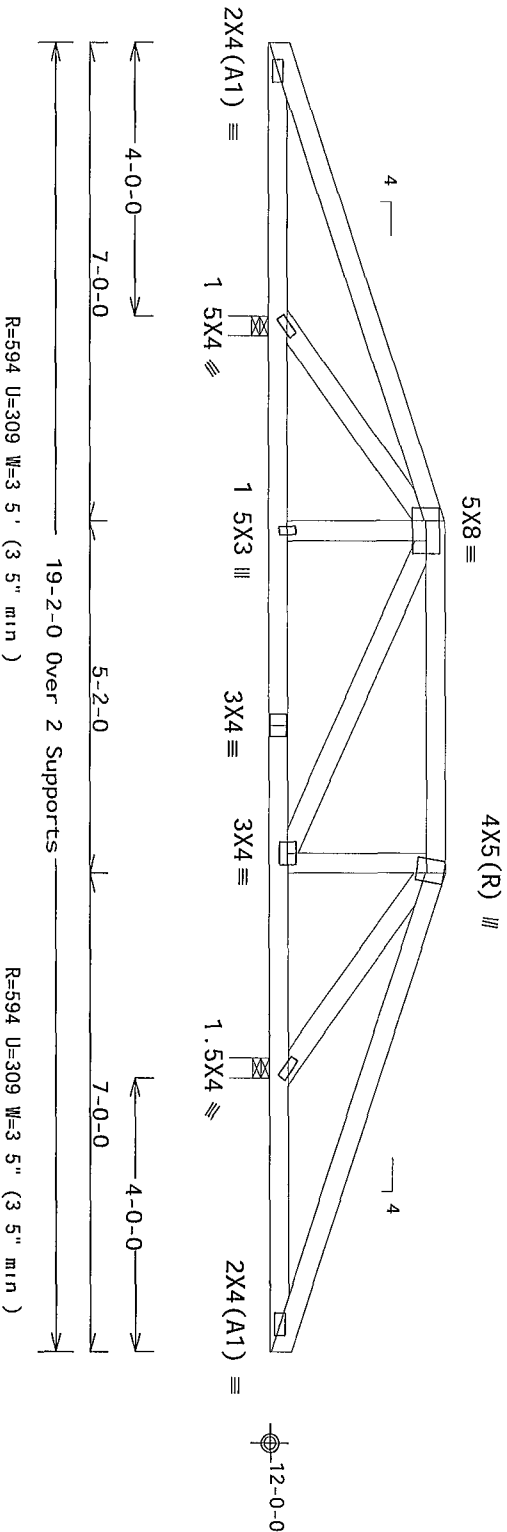
Special loads

-----Lumber	Dur Fac = 1.25 / Plate Dur Fac = 1.25
TC-From	55 pif at 0 00 to 55 pif at 7 00
TC-From	27 pif at 7 00 to 27 pif at 12 17
TC-From	55 pif at 12 17 to 55 pif at 19 17
BC-From	20 pif at 0 00 to 20 pif at 7 03
BC-From	10 pif at 7 03 to 10 pif at 12 14
BC-From	20 pif at 12 14 to 20 pif at 19 17
TC-From	8 63 lb Conc Load at 7 03, 9 06, 10 10, 12 14
BC-From	37 39 lb Conc Load at 7 03, 9 06, 10 10, 12 14

Left and right cantilevers are exposed to wind

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

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



R=594 U=309 W=3.5" (3.5" min)

R=594 U=309 W=3.5" (3.5" min)

PLT TYP Wave

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

12.03.04.0326.13

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

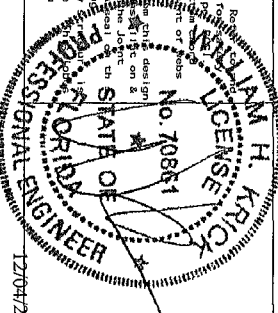
Scale = .375"/Ft.

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 installing by TP1 and WDA
Follow the latest edition of BCSI (Building Component Safety Information by TP1 and WDA) for
protection prior to performing these functions. Installers shall provide temporary bracing for
the trusses during transport and installation. The trusses shall be stored on a flat surface
and shall have a properly attached rigid ceiling. The trusses shall be stored in a dry area
and shall have no installed per BCSI sections 83, 87 or 810 as appl cable
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the
any failure to build the truss in conformance with ANSI/TP1 1 or for handling shipping or
bracing of trusses. Apply plates to each face of truss and position as shown above and on the
Details unless noted otherwise. Refer to drawings 180A-2 for standard plate positions. Address
drawing or cover page listing this drawing indicates acceptance of professional engineer's
the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see
general notes page ITW-BCG www.itwbcg.com TP1 www.tp1net.org WDA www.structure.com
ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 2670
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337130
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335467
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF	1V1V487_Z03

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 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP(+/-)=0 18

Wind loads and reactions based on MWFRS

Left and right cantilevers are exposed to wind

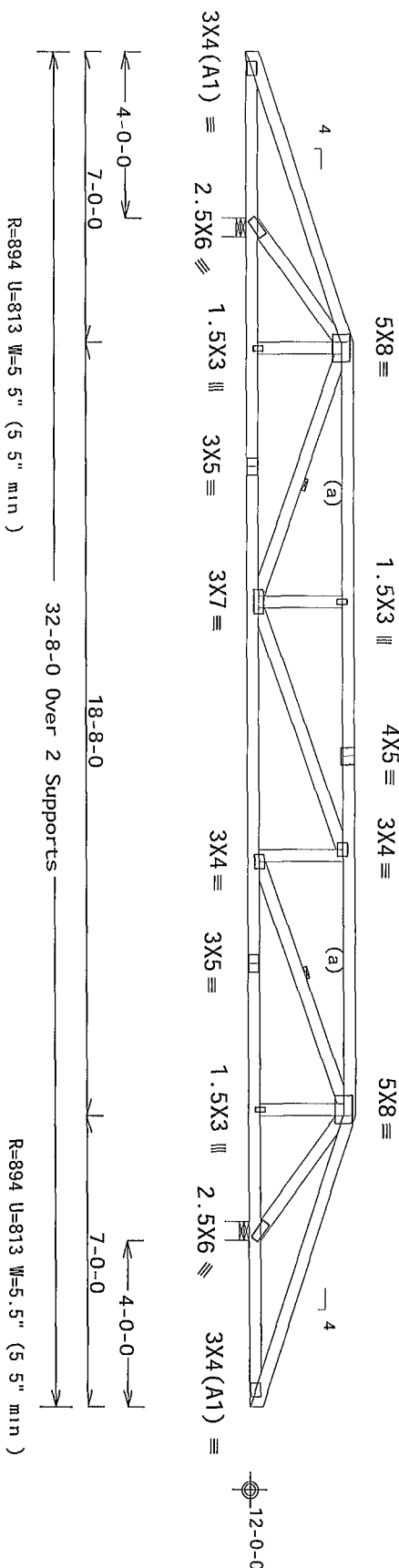
In lieu of structural panels use purlins to brace all flat TC @ 24 OC

Special loads
-----Lumber
TC- From Dur Fac =1 25 / Plate Dur Fac =1 25)
55 pif at 0 00 to 55 pif at 7 00
TC- From 27 pif at 7 00 to 27 pif at 25 67
TC- From 55 pif at 25 67 to 55 pif at 32 67
BC- From 20 pif at 0 00 to 20 pif at 7 03
BC- From 10 pif at 7 03 to 10 pif at 25 64
BC- From 20 pif at 25 64 to 20 pif at 32 67
TC- 8 63 1b Conc Load at 7 03, 9 06, 11 06, 13 06
15 06, 16 33, 17 60, 19 60, 21 60, 23 60, 25 64
BC- -37 39 1b Conc Load at 7 03, 9 06, 11 06, 13 06
15 06, 16 33, 17 60, 19 60, 21 60, 23 60, 25 64

(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



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 = .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

Tensues requires extensive care in fabric cutting handling shipping installing and bracing follow the latest edition of BCSI Building Component Survey Information by TPI and WTCO practices prior to performing these functions Installers shall provide temporary bracing unless noted otherwise Top chord shall have properly attached structural sheathing and bottom chord shall have properly installed per BCSI Section 85 B7 or B10 as applicable

The Building Components Group Inc. (TBGCO) shall not be responsible for any deviation from the design shown herein. The user of this design assumes all responsibility for the design details unless noted otherwise. Refer to draw nos. 160A-D for standard plate pos. t angles & drawing or cover page listing vs. s drawing n notes acceptance of profess. en engineer r responses b l y solely for the des gen shown The suitability and use of th s des gn for any other than the intended application shall be the responsibility of the user. For more information see general notes page TBG BCS www.tbgroup.com TPI www.tpi.net.org WTCO www.sbcindustry.com

OTC www.otcsteel.org

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2671
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337147
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD	37.0 PSF	SEQN-	335497
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

Webs 2x4 SP #3-13B

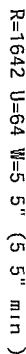
/2013 by ALSC

0 psf GCp1 (+/-)=0 18

loads and reactions based on MFRS

and right cantilevers are exposed to wind

factor for dead load is 1.50



$R=1583$ $U=92$ $W=5$ $5''$ $(5$ $5''$ $\text{min})$

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

QTY:1

Scale = .25"/Ft.

ALPINE

ing Components Group Inc.

FL COA #0278

general notes page 1-10-000 www twocq com ip1 www cpinst org wica www sdcindustry com
icc www iccsafe org

ESS/IN/PA/1/ENG

12/04/2013

SPACING	24 0"	JREF- 1V1V487_Z03
---------	-------	-------------------

JREF- 1V1V487_Z03

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

Webs 2x4 SP #3-13B

Negative reaction(s) of -24# MAX (See below) from a non-wind load case requires uplift connection

Left canti lever is exposed to wind

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



12.034402410226.13

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

[illegible]

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

REF R9114- 2674

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information) by TPI and WCA.

RECEIVED
JUL 17 1964
U.S. DEPT. OF JUSTICE

TC DL	7.0 PSF
-------	---------

DATE 12/03/13

Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter collar. Installers shall provide temporary bracing prior to performing these functions.

POK4

BC DL	10.0 PSF
-------	----------

DRW HCUSR9114 13337

ITW Build no Components Group, Inc. (ITWBCG) shall not be responsible for any deviation that shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

No. 10001

BC LL 00 PSE

HC-ENG WHK/WHK

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

STATE OF NEW YORK

TOT LD. 37.0 PSF

SEON- 335502

drawing or cover page listing this drawing indicates acceptance of professional engineering need in accordance with the provisions of the design shown. The suitability and use of this design for any other purpose is solely the responsibility of the designer.

Data is unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A drawing or cover page listing this drawing indicates acceptance of professional engineering need in accordance with the provisions of the design shown. The suitability and use of this design for any other purpose is solely the responsibility of the designer.

6
5
4
3
2
1

DIR FAC	1 25
---------	------

FROM IMM

For more information see ANSI/TPI 1 Sec 2
 www.stcindustry.com WTCA
 www.tpinist.org TPI
 www.itwbcg.com ITW-BCG
 general notes page

DATE: 11-10
CDAC INC 24 011

INDIC 4141407 70

CC www.iccsafe.org

CONFIDENTIAL

SPALING	24.0
2013	

JREF- IVIV481_20

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

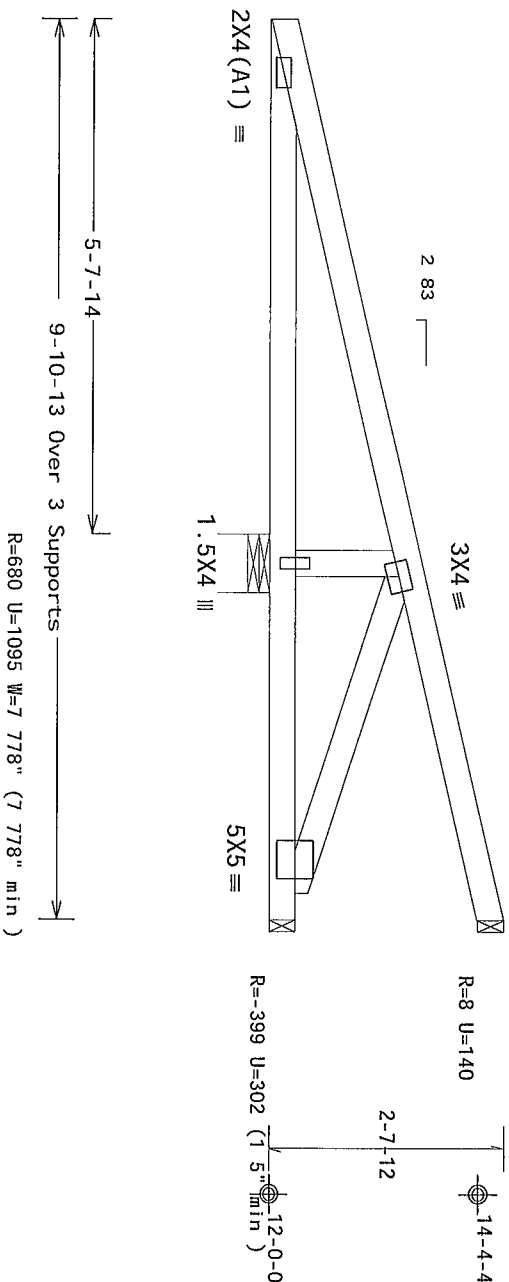
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -398# 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, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpl(+/-)=0 18

Left canti lever is exposed to wind

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)

12.03.04.03.26 13

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

Scale = .5"/Ft.

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

1

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

TC LL	20.0 PSF	REF	R9114 - 2676
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337127
BC LL	0.0 PSF	HC-ENG	WHK/MMH
TOT LD.	37.0 PSF	SEQN-	335451
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF -	1V1V487 Z03

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

Negative reaction(s) of -325# 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, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCp1(+/-)=0 18

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

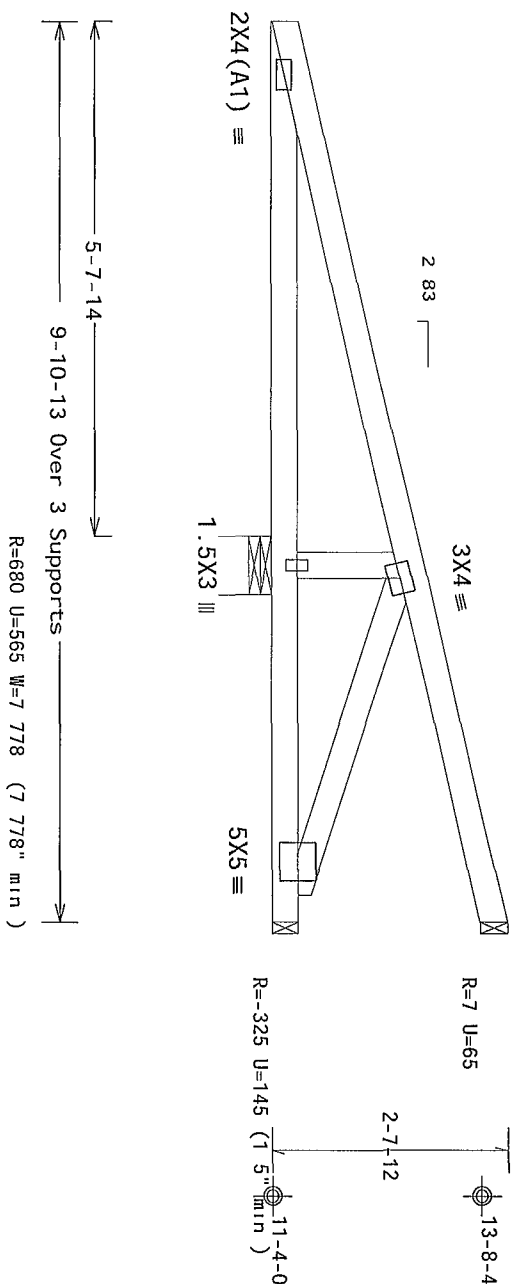
Special loads

-----Lumber	Dur	Fac = 1 25 /	Plate	Dur	Fac = 1 25
TC- From	2 pif	at 0 00 to		2 pif	at 9 90
BC- From	2 pif	at 0 00 to		2 pif	at 9 90
TC- 70 20 1b Conc	Load	at 1 48			
TC- 278 46 1b Conc	Load	at 4 31			
TC- 208 50 1b Conc	Load	at 7 13			
BC- 28 99 1b Conc	Load	at 1 48			
BC- 103 37 1b Conc	Load	at 4 31			
BC- 253 54 1b Conc	Load	at 7 13			

Wind loads and reactions based on MMFRS

Left canti lever is exposed to wind

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 034104140326.13

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

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Trustees, require extensive care in fabricating, handling, shipping, installing and bracing
 follow the latest edition of BCS1 (Building Component Safety Information on by TPI and WTCA)
 practice care prior to performing these functions. Installers shall provide temporary bracing
 shall have a proper attachment (see by TPI and WTCA) and be properly attached and secured during and before
 shall have bracing installed per BCS1 sects on B3, B7 or B10 as applicable.

17M Building Components Group Inc. (17MBG3) shall not be responsible for any deviation from
 bracing of trustees. Apply places to each piece of trustee and post it on as shown above.
 Decal is unless noted otherwise. Refer to drawings 160A-2 for standard decal positions. A
 drawing or cover page listing the design showing indications acceptance of professional and certification
 responsibility solely for the design shown. The availability and use of this design for any
 the responsibility of the Building Designer. TPI www.tpinet.org per ANSI/TPI 1 Sec 2. For more information on section
 general notice page 17M-BG3 www.tcbg.com WTCA www.sbc-industry.com
 TCB www.tcbg.com

12-047

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114 - 2677
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337078
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335441
DUR.FAC	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - H/10 9'10 13 Hip Jack Girder) THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

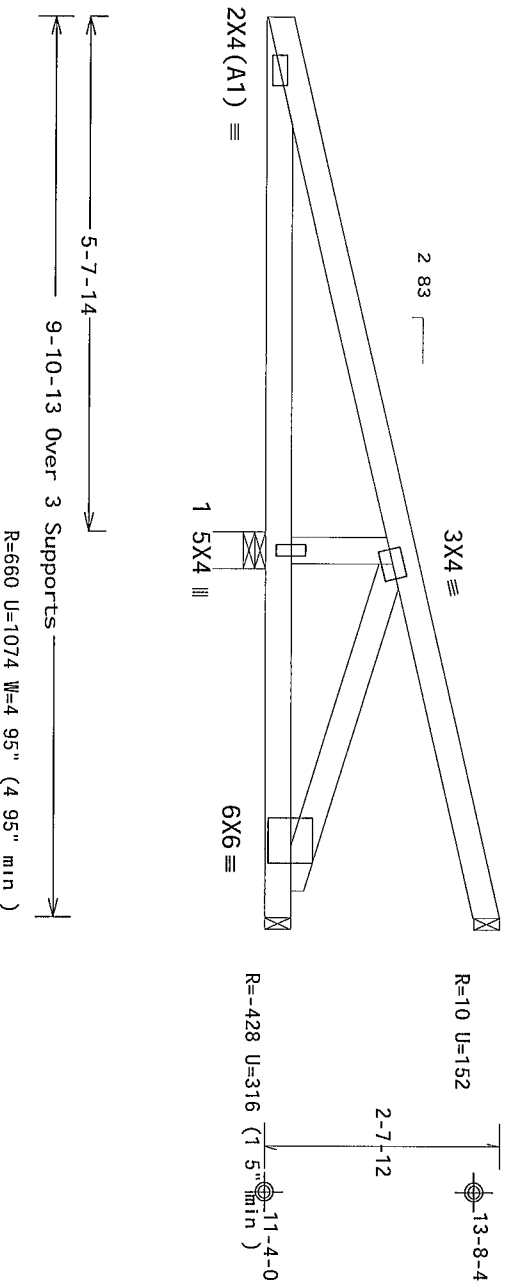
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -427# 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 11, EXP B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf GCpl(+/-)=0 18

Left cantilever is exposed to wind

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/TPI-2007(STD)

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

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

Scale =.5"/Ft

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET

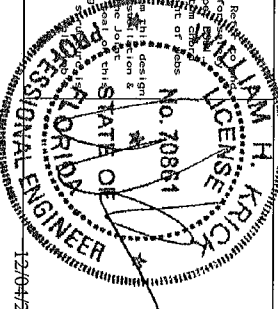
Trusses require extreme care in fabricating and shipping. Installing and bracing
shall be in accordance with the latest edition of BCS1 (Building Component Safety Information by TPI and WTC) and
shall have a properly attached field collar. Locations shown for permanent lateral resistance of
shall have bracing installed per BCS1 sections B3 B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design
any failure to build the truss in accordance with ANSI/TPI 1 or for handling shipping and on site
details of trusses. Apply plates to each face of truss and post on as shown above and on
drawing for cover plates. Refer to drawings 150A-Z for standard plate positions. A local engineer
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information, visit
general notes page ITW-BCG www.itwbcg.com TPI www.tpiinc.org WTC www.structure.com

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278



12/04/2013

TC LL	20.0 PSF	REF R9114- 2678
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUR9114 13337135
BC LL	0 0 PSF	HC-ENG WHK/WHK
TOT. LD.	37 0 PSF	SEQN- 335141
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V1V487_Z03

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

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

Negative reaction(s) of -248# 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 GCP1(+/-)=0 18

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

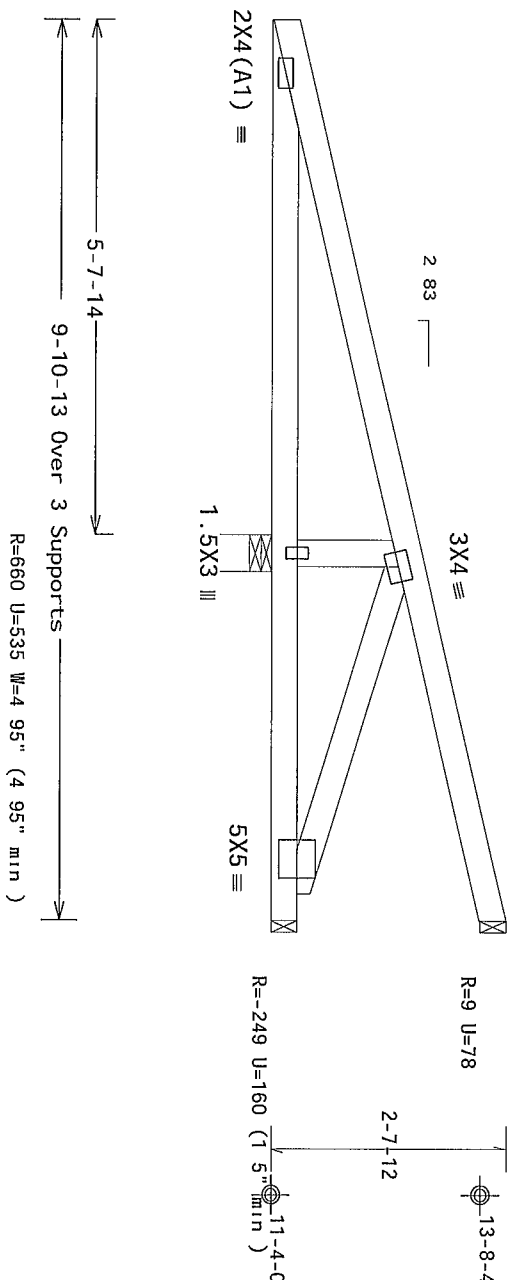
	Dur	Fac = 1 25 /	Plate	Dur	Fac = 1 25)
TC-From	2 pif at	0 00 to	2 pif at	9 90	
BC-From	2 pif at	0 00 to	2 pif at	9 90	

TC-208	85 lb	Conc	Load at	4 31
TC-115	69 lb	Conc	Load at	7 13
BC-29	32 lb	Conc	Load at	1 48
BC-103	37 lb	Conc	Load at	4 31
BC-184	62 lb	Conc	Load at	7 13

Wind loads and reactions based on MMFRS

Left cantilever is exposed to wind

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)

12.03040326.13

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

Scale = .5"/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

[illegible][illegible]

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114 - 2679
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCURS9114 13337095
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN -	335138
DUR. FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF -	1V1V487_Z03

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

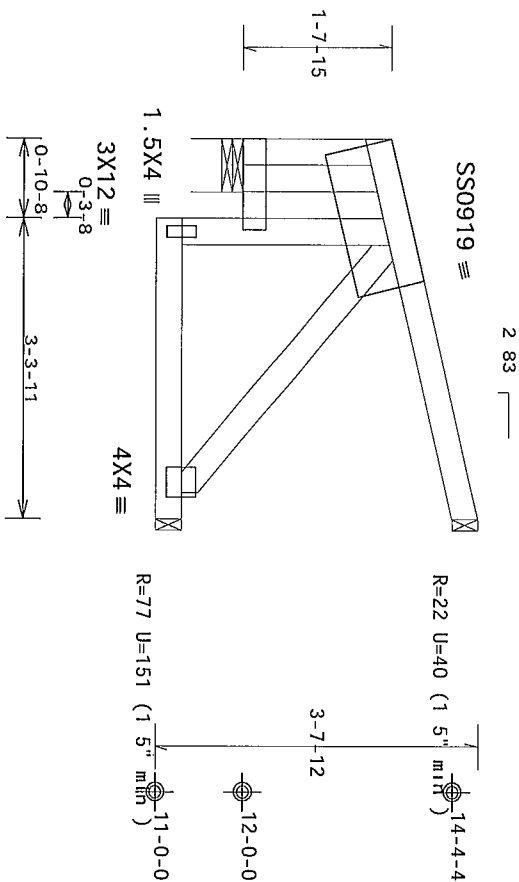
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -356# 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, 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

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



← 4-2-3 Over 3 Supports →

PLT TYP. 18 Gauge HS, Wave

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

12.03040326.13

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

三

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

[illegible]

Referred to the
Committee on
Education and
Labor
No. 70861
WILLIAM H. KRICK
LICENSE

12/04/2013

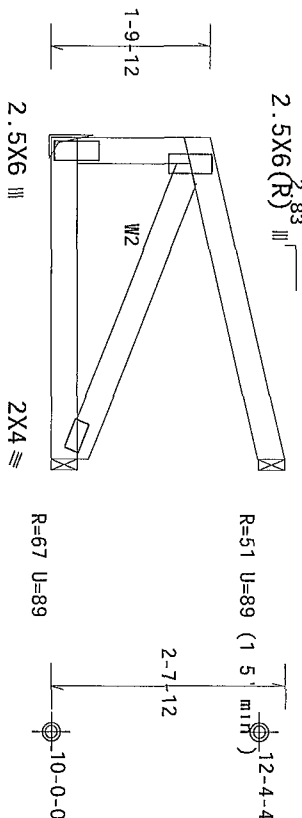
TC LL	20.0 PSF	REF R9114- 2680
TC DL	7 0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW H04SR9114 13337750
BC LL	0 0 PSF	HC-ENG WHK/WHK
TOT. LD	37 0 PSF	SEQN- 335503
DUR. FAC	1.25	FROM JMMV
SPACING	24 0"	JREF - 1V1V487_Z03

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

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, Located anywhere in roof, RISK CAT 11, Exp B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP1(+/-)=0 18



< 3-6-6 Over 3 Supports >

R=92/-265 U=601
H=H1

PLT TYP. Wave	FT/RT=10%(0%)/0(0)

12 03 04 03 26 13

QTY:1

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

Scale = 5"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

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

Trusses, require extreme care in fabricating and handling shipping, installing and bracing. Follow the latest edition of BCS (Building Component Safety Information) by TPI and WFLCA practices prior to performing these functions. Installers shall provide temporary bracing. Unless noted otherwise, no top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCS section B3, B7 or B10 as applicable. Cable

LTV Building Systems Group Inc. (**LTVBOS**) shall not be responsible for any delay at or after failure to build the trusts in conformance w/ the ANSI/TPI-1 or for handling or shipping of bricks of trustsees. Applied plasma to each face of trusts and point on as shown above and on Data is unless noted otherwise. Refer to drawings 180A-2 for standard plastic posts on responsibility for the design of the trusts. The LTV Building System Inc. shall not be responsible for the building designer per ANSI/TPI-1 sec 2. For more information on section general notes page TPI-106 www.tbog.com TPI www.tp.net.org WTC www.sbc.industry.com CDC www.cdc.gov

No. 70851

5

20

三

91-6-103

中国书画函授大学肇庆分校

ORIGINAL

0876/2022-0000000000000000

~~12/04/2013~~

SPACING 24.0"

JREF- 1V1

203

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, 22 81 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 Gcpl(+/-)=0 18

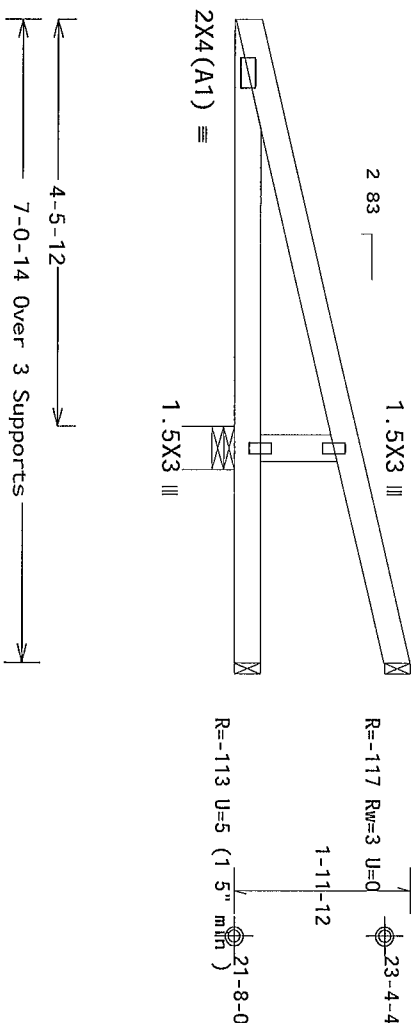
Left cantilever is exposed to wind

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

---	Lumber	Dur	Fac	= 1 25 /	Plate	Dur	Fac	= 1 25 /
TC-	From	2 pif	at 0 00			2 pif	at 7 07	
BC-	From	2 pif	at 0 00			2 pif	at 7 07	
TC-	35 10 lb Conc	Load at	1 48					
BC-	278 46 lb Conc	Load at	4 31					
BC-	29 65 lb Conc	Load at	1 48					
BC-	103 37 lb Conc	Load at	4 31					

Wind loads and reactions based on MWFRS

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



R=687 U=11 W=5 657" (5 657" min)

PLT TYP Wave

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

12.03.04.0326.13

QTY·4 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

IMPORTANT ***PUSHING*** ***READ AND FOLLOW ALL NOTES ON THIS SHEET***
FORNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trussmen require extreme care in fabricating, handling, shipping, installing, and bracing to follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTCa) practice as prior to performing these functions. Installers shall provide temporary bracing and bracing to maintain a properly attached roof or ceiling. The lateral resistance of the lateral resistance shall have been as installed per BCSI sections 83, 87 or 810 as applicable.

ITW Building Components Group Inc. (TMBGC) shall not be responsible for any deviation from the above. Future shall not be responsible for any deviation from the above. The responsibility for bracing of trusses. Apply plates to each brace of truss and gusset on as shown on drawings. Details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A drawing of cover plate detailing is drawing. The suitability for use of the design for any other application is the responsibility of the Building Designer. The suitability for use of the design for any other application is the responsibility of the Building Designer. For more information see per ANSI/TPI 1 Sec 2. For more information see per ANSI/TPI 1 Sec 2. For more information see per ANSI/TPI 1 Sec 2. For more information see per ANSI/TPI 1 Sec 2.

www.tmbgc.com www.tmbgc.com www.tmbgc.com www.tmbgc.com
www.tpi.com www.tpi.com www.tpi.com www.tpi.com
www.wtca.com www.wtca.com www.wtca.com www.wtca.com

~~12/04/2013~~

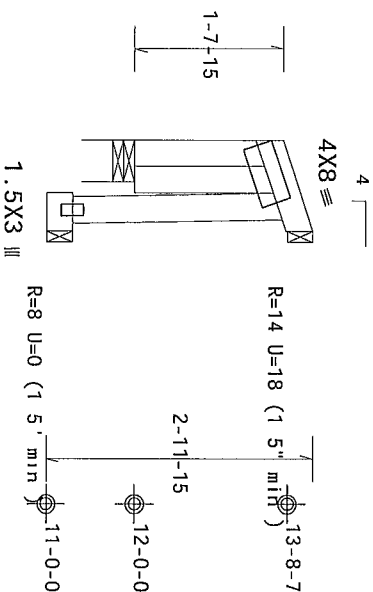
TC LL	20.0 PSF	REF	R9114- 2682
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337146
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEON-	335508
DUR.FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V1V487_Z03

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

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, Located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gcpl (+/-)=0 18



1-0-0 Over 3 Supports
R=45 U=0 W=5 5' (5 5' min)

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.

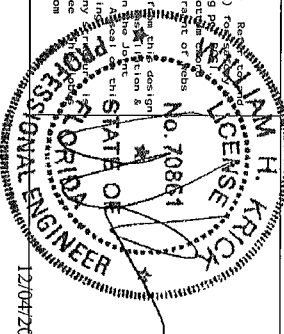
ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

ITW Building Products Group Inc. (ITWBG) shall not be responsible for any delay at on any failure to build the trust, in conformance with ASNI/TP1 or for handling any aping
breach of trust. App y placed to each trust of trust and pos it on as shown above and on
the trust and not otherwise. Refer to draw ings 1804-2 for standard pipe connections
responsibility solely for the building Dos shown. The au tility and use of this design for any
general notes page ITW-BG www.itw.com TP1 www.tp1.net.org WTC www.sbc.industry.com



~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114 - 2683
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337149
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	335498
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J1 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

4



2X4 (A1) ≡

R=18 U=3 (1 5-7 11-11) 12-4-7
R=15 U=0 12-0-0

1-0-0 Over 3 Supports

R=43 U=0
H=H1

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

12 03 04 0326.13

QTY.10 FL/-/5/-/-/R/-

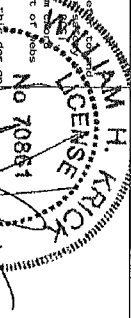
Scale = 5"/Ft.

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, installing and bracing. Follow the latest edition of BCS1 (Building Component Safety Information by TPI and WTC) for all truss details. Trusses must be properly braced prior to performing these functions. Installers shall provide temporary bracing per the design shown. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS1. Details B3, B7 or B10 as apply. Cable any failure of trusses. Apply plates to each face of trusses and post it on as shown above and on the drawing or cover page. Refer to drawings 180A-2 for standard plate positions. Data is unless noted otherwise. The submittal and use of this design for any other project is the responsibility of the building designer per ANSI/TP1 Sec 2. For more information on see the website of the building designer per ANSI/TP1 www.tpinet.org WTC www.abctindustry.com IBC www.iccsafe.org



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

TC LL	20.0 PSF	REF	R9114- 2684
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337069
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335108
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

12/04/2013

(13-286--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J1 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

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.

These support conditions used at bearings indicated
(H1) = LU24 w/ (2)2x6 SP SS-13B supporting member
(4) 0 148"x3 nails into supporting member,
(2) 0 148"x1 5' nails into supported member

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 GCpl(+/-)=0 18

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

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

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

4



2X4 (A1) ≡

R=18 U=3 (1 5-7 11-8-7
minh) 11-4-0
R=15 U=0

1-0-0 Over 3 Supports

R=43 U=0
H=H1

PLT TYP. Wave

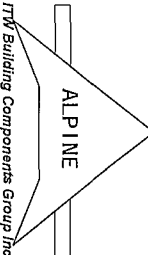
Design Crit. FBC2010Res/TP1-2007(STD)
FT/RT=10%(0)/0(0)

12.03.04.0326.13

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

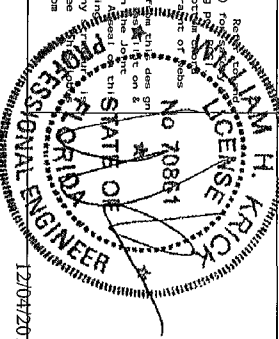
Scale = .5"/ft.

ALPINE



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. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC. Follow practices per or to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bolts shall have bracing installed per BCSI section 83, 87 or 810 as applicable.
TPI Building Components Group Inc. (TPI/BCG) shall not be responsible for any deviation from the design shown on this drawing. The suitability and use of this design for any other purpose is the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see general notes page 17B-B05 www.tpiinc.com www.tpinet.org WTC www.bcsiindustry.com IBC www.license.org



12/04/2013

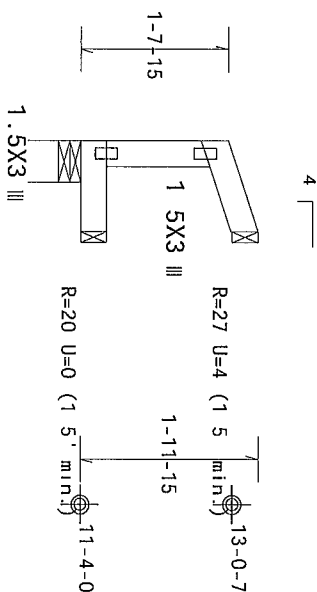
TC LL	20.0 PSF	REF	R9114- 2685
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337093
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SECON-	335085
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF	11/1V487_Z03

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 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



1-0-0 Over 3 Supports

R=37 U=2 W=5 5' (5 5" min)

PLT_TYP Wave

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

12 08:04, 0326.13

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

Scale = .5"/Ft.

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

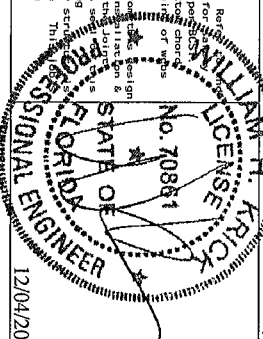
Trussers require extreme care in fabricating, handling, shipping, installing, and bracing. Refer to the manufacturer's literature for specific instructions. Trussers shall be installed and braced following the latest edit on or BCSI 181, including Component Safety Information by TPI and WTCO. For practices prior to performing these punch notes, installers shall provide temporary bracing per BCSI 181. Trusses need otherwise top chord nails have properly attached structural sheathing and blocking. Trusses shall have a properly attached rigid ceiling. Locations for permanent lateral bracing or where trusses shall have bracing installed per BCSI sections 83, 87, or 810 as applicable.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

general notes page 118-800 www.123dcbg.com ip1 www.cpnst.org w1ca www.sbcindustry.com
icc www.icsafe.org



12/04/2013

TC LL	20.0 PSF	REF	R9114 - 2686
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H0USR9114 13337077
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335071
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

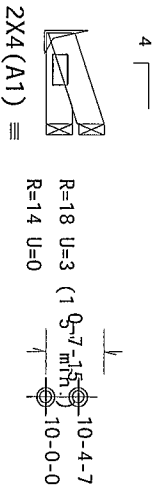
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC

DL=5 0 psf G_{CPI}(+/-)=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

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



1-0-0 Dyer 3 Supports
R=43 U=0
H=H1

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

12 08:04:0326 13

QTY:17 FL/-/5/-/-/R/-

Scale = .5"/Ft.

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

an extreme care in Tabr caring hand! no shibo no nstallir

Follow the latest edit on of BCS1 (Building Component Safety Information by TPI and WTCA)

practices prior to performing these functions, installers shall provide temporary bracing,

Unless noted otherwise top chord shall have properly attached structural sheathing and bot

shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints shall be bracing installed per BCS sections B3, B7 or B10 as applicable.

primary, these marketing materials put over 600,000 copies in 17 of 610 as applicable

IIW Building Components Group Inc (IIWBCG) shall not be responsible for any deviation from failure to build the tower in accordance with ANSI CMI 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 or 76 or 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 89 or 90 or 91 or 92 or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100 or 101 or 102 or 103 or 104 or 105 or 106 or 107 or 108 or 109 or 110 or 111 or 112 or 113 or 114 or 115 or 116 or 117 or 118 or 119 or 120 or 121 or 122 or 123 or 124 or 125 or 126 or 127 or 128 or 129 or 130 or 131 or 132 or 133 or 134 or 135 or 136 or 137 or 138 or 139 or 140 or 141 or 142 or 143 or 144 or 145 or 146 or 147 or 148 or 149 or 150 or 151 or 152 or 153 or 154 or 155 or 156 or 157 or 158 or 159 or 160 or 161 or 162 or 163 or 164 or 165 or 166 or 167 or 168 or 169 or 170 or 171 or 172 or 173 or 174 or 175 or 176 or 177 or 178 or 179 or 180 or 181 or 182 or 183 or 184 or 185 or 186 or 187 or 188 or 189 or 190 or 191 or 192 or 193 or 194 or 195 or 196 or 197 or 198 or 199 or 200 or 201 or 202 or 203 or 204 or 205 or 206 or 207 or 208 or 209 or 210 or 211 or 212 or 213 or 214 or 215 or 216 or 217 or 218 or 219 or 220 or 221 or 222 or 223 or 224 or 225 or 226 or 227 or 228 or 229 or 230 or 231 or 232 or 233 or 234 or 235 or 236 or 237 or 238 or 239 or 240 or 241 or 242 or 243 or 244 or 245 or 246 or 247 or 248 or 249 or 250 or 251 or 252 or 253 or 254 or 255 or 256 or 257 or 258 or 259 or 260 or 261 or 262 or 263 or 264 or 265 or 266 or 267 or 268 or 269 or 270 or 271 or 272 or 273 or 274 or 275 or 276 or 277 or 278 or 279 or 280 or 281 or 282 or 283 or 284 or 285 or 286 or 287 or 288 or 289 or 290 or 291 or 292 or 293 or 294 or 295 or 296 or 297 or 298 or 299 or 300 or 301 or 302 or 303 or 304 or 305 or 306 or 307 or 308 or 309 or 310 or 311 or 312 or 313 or 314 or 315 or 316 or 317 or 318 or 319 or 320 or 321 or 322 or 323 or 324 or 325 or 326 or 327 or 328 or 329 or 330 or 331 or 332 or 333 or 334 or 335 or 336 or 337 or 338 or 339 or 340 or 341 or 342 or 343 or 344 or 345 or 346 or 347 or 348 or 349 or 350 or 351 or 352 or 353 or 354 or 355 or 356 or 357 or 358 or 359 or 360 or 361 or 362 or 363 or 364 or 365 or 366 or 367 or 368 or 369 or 370 or 371 or 372 or 373 or 374 or 375 or 376 or 377 or 378 or 379 or 380 or 381 or 382 or 383 or 384 or 385 or 386 or 387 or 388 or 389 or 390 or 391 or 392 or 393 or 394 or 395 or 396 or 397 or 398 or 399 or 400 or 401 or 402 or 403 or 404 or 405 or 406 or 407 or 408 or 409 or 410 or 411 or 412 or 413 or 414 or 415 or 416 or 417 or 418 or 419 or 420 or 421 or 422 or 423 or 424 or 425 or 426 or 427 or 428 or 429 or 430 or 431 or 432 or 433 or 434 or 435 or 436 or 437 or 438 or 439 or 440 or 441 or 442 or 443 or 444 or 445 or 446 or 447 or 448 or 449 or 450 or 451 or 452 or 453 or 454 or 455 or 456 or 457 or 458 or 459 or 460 or 461 or 462 or 463 or 464 or 465 or 466 or 467 or 468 or 469 or 470 or 471 or 472 or 473 or 474 or 475 or 476 or 477 or 478 or 479 or 480 or 481 or 482 or 483 or 484 or 485 or 486 or 487 or 488 or 489 or 490 or 491 or 492 or 493 or 494 or 495 or 496 or 497 or 498 or 499 or 500 or 501 or 502 or 503 or 504 or 505 or 506 or 507 or 508 or 509 or 510 or 511 or 512 or 513 or 514 or 515 or 516 or 517 or 518 or 519 or 520 or 521 or 522 or 523 or 524 or 525 or 526 or 527 or 528 or 529 or 530 or 531 or 532 or 533 or 534 or 535 or 536 or 537 or 538 or 539 or 540 or 541 or 542 or 543 or 544 or 545 or 546 or 547 or 548 or 549 or 550 or 551 or 552 or 553 or 554 or 555 or 556 or 557 or 558 or 559 or 560 or 561 or 562 or 563 or 564 or 565 or 566 or 567 or 568 or 569 or 570 or 571 or 572 or 573 or 574 or 575 or 576 or 577 or 578 or 579 or 580 or 581 or 582 or 583 or 584 or 585 or 586 or 587 or 588 or 589 or 590 or 591 or 592 or 593 or 594 or 595 or 596 or 597 or 598 or 599 or 600 or 601 or 602 or 603 or 604 or 605 or 606 or 607 or 608 or 609 or 610 or 611 or 612 or 613 or 614 or 615 or 616 or 617 or 618 or 619 or 620 or 621 or 622 or 623 or 624 or 625 or 626 or 627 or 628 or 629 or 630 or 631 or 632 or 633 or 634 or 635 or 636 or 637 or 638 or 639 or 640 or 641 or 642 or 643 or 644 or 645 or 646 or 647 or 648 or 649 or 650 or 651 or 652 or 653 or 654 or 655 or 656 or 657 or 658 or 659 or 660 or 661 or 662 or 663 or 664 or 665 or 666 or 667 or 668 or 669 or 670 or 671 or 672 or 673 or 674 or 675 or 676 or 677 or 678 or 679 or 680 or 681 or 682 or 683 or 684 or 685 or 686 or 687 or 688 or 689 or 690 or 691 or 692 or 693 or 694 or 695 or 696 or 697 or 698 or 699 or 700 or 701 or 702 or 703 or 704 or 705 or 706 or 707 or 708 or 709 or 710 or 711 or 712 or 713 or 714 or 715 or 716 or 717 or 718 or 719 or 720 or 721 or 722 or 723 or 724 or 725 or 726 or 727 or 728 or 729 or 730 or 731 or 732 or 733 or 734 or 735 or 736 or 737 or 738 or 739 or 740 or 741 or 742 or 743 or 744 or 745 or 746 or 747 or 748 or 749 or 750 or 751 or 752 or 753 or 754 or 755 or 756 or 757 or 758 or 759 or 760 or 761 or 762 or 763 or 764 or 765 or 766 or 767 or 768 or 769 or 770 or 771 or 772 or 773 or 774 or 775 or 776 or 777 or 778 or 779 or 780 or 781 or 782 or 783 or 784 or 785 or 786 or 787 or 788 or 789 or 790 or 791 or 792 or 793 or 794 or 795 or 796 or 797 or 798 or 799 or 800 or 801 or 802 or 803 or 804 or 805 or 806 or 807 or 808 or 809 or 810 or 811 or 812 or 813 or 814 or 815 or 816 or 817 or 818 or 819 or 820 or 821 or 822 or 823 or 824 or 825 or 826 or 827 or 828 or 829 or 830 or 831 or 832 or 833 or 834 or

bracing of trusses. Apply plates to each face of truss and position as shown above and on 1

Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions A

drawing or cover page listing this drawing indicates acceptance of professional engineering

responsibility for the design shown. The suitability and use of this design for any other purpose is solely the responsibility of the user.

General notes page 17W-BGG www.fwbsa.com TP1 www.folinet.org WTC4 www.ebiondustry.com
and responds only to care containing designer per ANSI/IF1 1 sec 2 For more information see

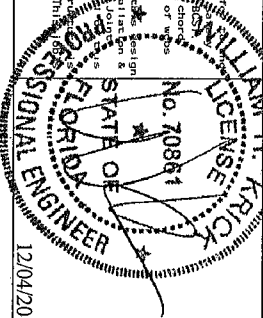
ICC www.iccsafe.org

1

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



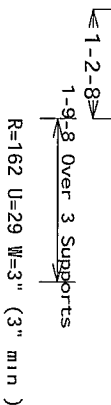
TC LL	20.0 PSF	REF	R9114- 2687
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337114
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEON-	335124
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1/487_Z03

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

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



Scale = .5"/Ft.

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

Professional Engineer Seal for the State of Florida, License No. 70861. The seal is circular with the text "PROFESSIONAL ENGINEER" and "STATE OF FLORIDA" around the perimeter. The center contains the text "LICENSE No. 70861". A signature, "W. J. Bouslog", is written across the seal.

12/04/2013

TC LL	20.0 PSF	REF	R9114 - 2688
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337070
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335499
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1V487 Z03

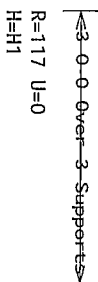
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

DL=5 0 psf GCp1 (+/-)=0 18

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

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



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

12 000 04 0326 13

Scale = .5"/Ft.

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, requiring extreme care in fabric cast, not handling, no shipping, installing and bracing. For the following, the latest edition of BCSI (Building Component Safety Information) on by TPI and WTCO for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Practices not otherwise noted shall have properly attached structural sheathing and bracing. Practices not otherwise noted shall have a properly attached r/gid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

[illegible]

70861

74

TC DL	7.0 PSF
BC DL	10.0 PSF

DATE	12/03/13
DRW	HCUSR9114 13337125

1	2	3
---	---	---

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

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.

These support conditions used at bearings indicated
(H1) = LU24 w/ (2)2x6 SP SS-13B supporting member
(4) 0 148 "x3" nails into supporting member,
(2) 0 148 "x1 5" nails into supported member

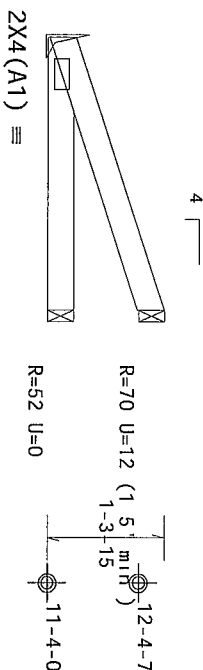
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gdpl(+/-)=0 18

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

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

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



~~3 0 0 Over 3 Supports~~
R=117 U=0
H=H1

PLT Typ Wave

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

12 08:04:03Z 13

QTY:1

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

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

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

Trussess require extreme care in fabricating, handling, as per ng installing and bracing. Refer to drawings 160A-D for standard brace points. One end of the brace must be secured to the truss web. The other end shall be secured to the chord or the gable end of the truss. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses.

Practices have to perform on these truss one. Installers shall provide temporary bracing per drawings 160A-D for standard brace points. One end of the brace must be secured to the truss web. The other end shall be secured to the chord or the gable end of the truss. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses.

shall have a proper attachment. All trusses shall have property attached structural sheathing and bracing per drawings 160A-D for standard brace points. One end of the brace must be secured to the truss web. The other end shall be secured to the chord or the gable end of the truss. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses.

shall have bracing installed per BSC sections B3, B7 or B10 as applicable

TW Building Components Group Inc. (TWBCG) shall not be responsible for any deviate on from the drawings. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses.

Drawings and cover page listing this drawing indicates acceptance of profess and one near ng responsibility solely for the design team. The suitability and use of this design for any other structure is the responsibility of the Building Designer. per ANSI/TPI 1 Sec 2. For more information see This drawing is the property of TWBCG and shall not be reproduced without written permission. TWBCG shall not be responsible for any deviate on from the drawings. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses. Apply all bracing in accordance with ANSI/TPI 1 or for handling, as per ng installation and bracing of trusses.

general notes page TWBCG www.twbcg.com TPI www.tpi.net WTC www.sbcindustry.com

Professional Engineer Seal for the State of Florida, No. 70861, Krick. The seal is circular with the text "PROFESSIONAL ENGINEER" and "STATE OF FLORIDA" around the perimeter. The center contains "No. 70861" and "KRICK". A signature is written across the seal.

12/04/2013

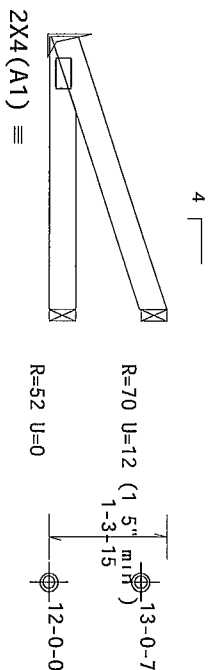
TC LL	20.0 PSF	REF	R9114-2690
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H09SR9114 1333709
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SECON-	335039
DUR. FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V1V487_Z03

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



$\overleftarrow{3} \ 0 \ 0 \ \overrightarrow{3}$ Over 3 Supports
 $R=117 \ U=0$
 $H=H1$

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%
1.1.1.49	100%
1.1.1.50	100%
1.1.1.51	100%
1.1.1.52	100%
1.1.1.53	100%
1.1.1.54	100%
1.1.1.55	100%
1.1.1.56	100%
1.1.1.57	100%
1.1.1.58	100%
1.1.1.59	100%
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%
1.1.1.65	100%
1.1.1.66	100%
1.1.1.67	100%
1.1.1.68	100%
1.1.1.69	100%
1.1.1.70	100%
1.1.1.71	100%
1.1.1.72	100%
1.1.1.73	100%
1.1.1.74	100%
1.1.1.75	100%
1.1.1.76	100%
1.1.1.77	100%
1.1.1.78	100%
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 00:04:03.25 13

QTY:25 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**

Trussload can be extremely easy to fabricating, handling, and shipping and bracing. Follow the latest code set of BCOS (Building Component Steeple Information by TPI and WTCO) practices per or to performing these fabricating. Installers shall provide temporary bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCOS section 8.5, B7 or B10. All applicable.

17W Building Component Group Inc. (17WBCG) shall not be responsible for any delays or any failure to build the trusses in conformance with the ANSI/TPI 1 or for handling, shipping, or bracing of trusses. Apply places to each face of truss and position as shown above and on. Bracing is unless noted otherwise. Refer to drawings 160A-2 for standard details per 17WBCG. The responsibility for solely for the design and use of this design for any other purpose is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page 17W-BGC. www.17wbcg.com TPI www.tpi.net WTCO www.steelindustry.com www.17wbcg.com

12/04/20

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2691
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H0USR9114 1333710
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335129
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J5 5 Jack)

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

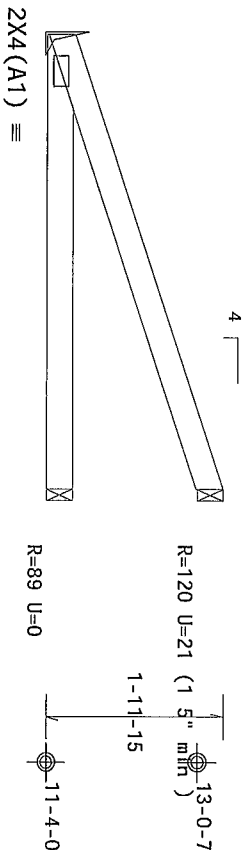
Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B

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

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.

These support conditions used at bearings indicated
(H1) = LU24 w/ (2)2x6 SP SS-13B supporting member
(4) 0 148 x3 nails into supporting member,
(2) 0 148 x1 5 nails into supported member

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
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
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



5-0-0 Over 3 Supports

R=192 U=2
RL=27
H=H1

PLT TYP. Wave

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

12 0000 0926 13

QTY. 1 FL/-/5/-/-/R/-

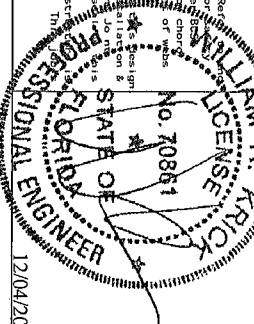
Scale = .5"/Ft.

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, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) information on by TP1 and WTC1 for practices 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 attached structural sheathing. Locate one shown for permanent lateral restraint. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and for any damage to property or injury to persons resulting from shipping and handling. BCSI Data is unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A signed 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/TP1 Sec 2. For more information on see ITWBCG website at www.itwbcg.com TP1 www.tp.net.org WTC1 www.stcindustry.com IBC www.ccsafe.org



12/04/2013

TC LL	20.0 PSF	REF R9114- 2692
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUSR9114 13337090
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 335064
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V1V487_Z03

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

Left canti lever is exposed to wind

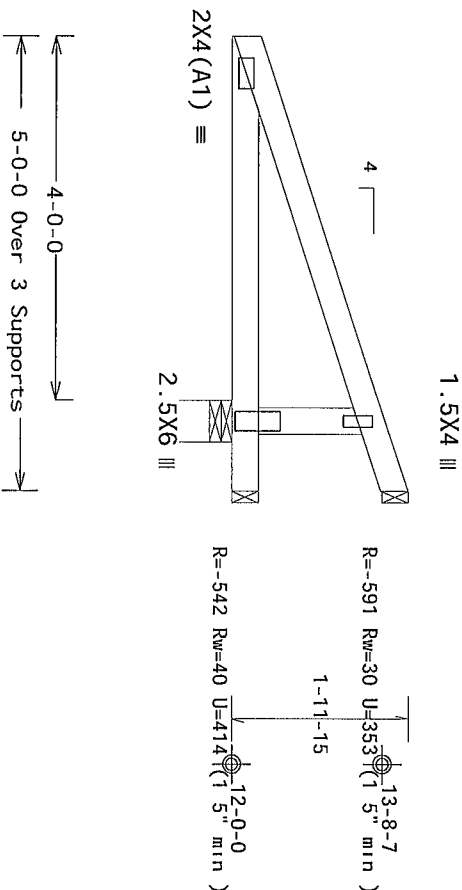
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -591# 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, 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

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



R=1495 U=88 W=5 5" (5 5" min)
RL=27

PLT TYP Wave

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

12.03.04.0326.13

QTY:25 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Tenuses requiring extreme care in fabricating handling shipping installing and bracing follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTCO). Insulators shall provide temporary bracing practices prior to performing these functions. Insulators shall have properly attached structural sheathings and bolts shall have a property attached rigid or steel. Locust ones shown for permanent lateral restraint shall have brace installed per BCSI section 83, 87 or 810 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation or failure to bid the Trusts in conformance with the ANSI/ITP 1 or 10 for handling, shipping 1 or 10 of trustees. Apply photos to each face of Trusts and post on as shown above and on drawing or cover plate. Letting the drawing and acceptance of purposes shall be the responsibility solely of the Trusts for the design and use of this information for any general codes page ITW-BCG www.itwbcg.com www.princo.org WTC www.sociindustry.com


LIBRARY
U.S. DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS
WASHINGTON, D. C. 20540

7000

WEDS

STATE OF

515



ADDITIONAL ENCL

THE UNIVERSITY OF CHICAGO

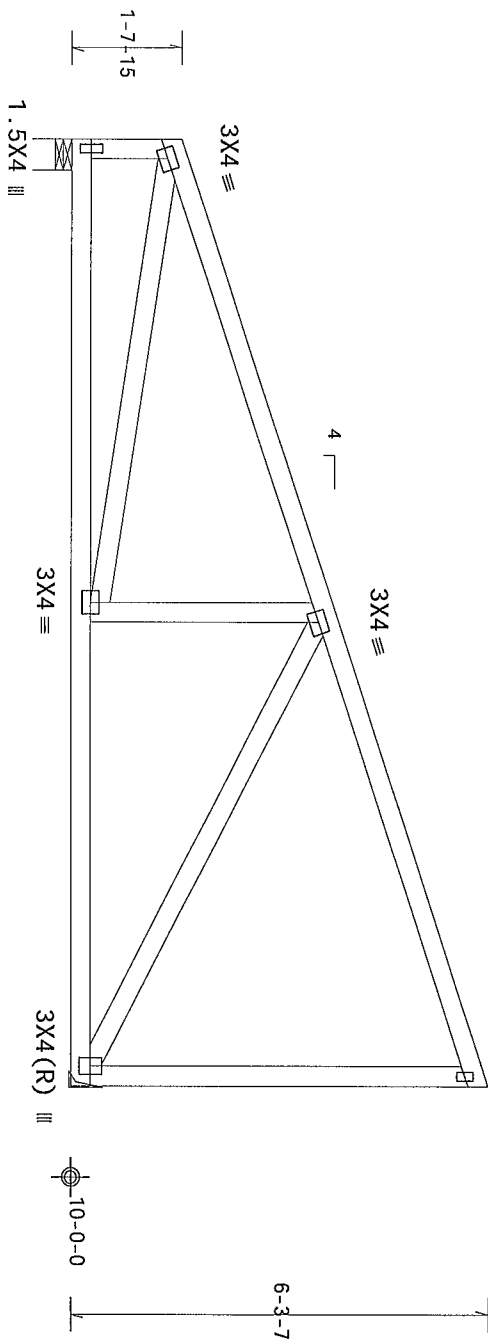
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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.

These support conditions used at bearings indicated
(H1) = LÜ24 w/ (1)2x4 Sp 2850F-2 3E supporting member
(4) 0 162 x3 5" nails into supporting member,
(2) 0 148"x1 5" nails into supported member

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



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 a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

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

Deflection meets L/240 live and L/180 total load Creep increase
 .5X3 factor for dead load is 1.50

PLT TYP. Wave

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

12 03:04:03Z: 13

QTY·7 FL/-/5/-/-/R/-

Scale = .375"/Ft.

R=519 U=0 W=5 5" (5 5" min)
RL=48

R=519 U=0
H=H1

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

WILLIAMSON LICENSE

No. 70867

1000

STATE OF

ADDITIONAL ENCL

.....

12/04/2013

2FALING 24.0

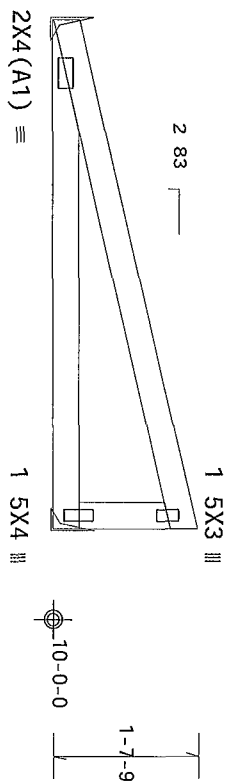
JKRF- 1V1V481_2U3

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

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 GCpl(+/-)=0 18
Wind loads and reactions based on MWFRS with additional C&C member design
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



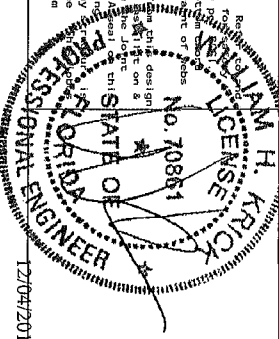
5-7-2 Over 2 Supports
R=213 U=5
RL=22
H=H1
R=203 U=12
H=H2

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

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, installing, and bracing. Follow the latest edition of BCS (Building Component Safety Information by TP1 and WTC) for all practices prior to performing these functions. Installers shall provide temporary bracing for all trusses until they are properly attached structurally. Sheeting and bracing shall have bracing installed per BCS sections B3 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. The user of this design shall be responsible for any deviation from this design. Details of trusses shall be applied to each face of truss and position as shown above and on the left side of this drawing. Refer to drawings 180A-2 for standard plate positions. Details of cover plate listing this drawing indicates acceptance of professional engineer's response to this drawing. The suitability and use of this design for any general purpose page 178-000 www.bcsinc.com TP1 www.bcsinc.org WTC www.bcsindustry.com



TC LL	20 0 PSF	REF	R9114- 2695
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337066
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335448
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF	1V1V487_Z03

Scale = 5"/Ft.

12/04/2013

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

Calculated horizontal deflection is 0.12" due to live load and 0.17" due to dead load

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

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
1	1.0
2	1.0
3	1.0
4	1.0
5	1.0
6	1.0
7	1.0
8	1.0
9	1.0
10	1.0
11	1.0
12	1.0
13	1.0
14	1.0
15	1.0
16	1.0
17	1.0
18	1.0
19	1.0
20	1.0
21	1.0
22	1.0
23	1.0
24	1.0
25	1.0
26	1.0
27	1.0
28	1.0
29	1.0
30	1.0
31	1.0
32	1.0
33	1.0
34	1.0
35	1.0
36	1.0
37	1.0
38	1.0
39	1.0
40	1.0
41	1.0
42	1.0
43	1.0
44	1.0
45	1.0
46	1.0
47	1.0
48	1.0
49	1.0
50	1.0
51	1.0
52	1.0
53	1.0
54	1.0
55	1.0
56	1.0
57	1.0
58	1.0
59	1.0
60	1.0
61	1.0
62	1.0
63	1.0
64	1.0
65	1.0
66	1.0
67	1.0
68	1.0
69	1.0
70	1.0
71	1.0
72	1.0
73	1.0
74	1.0
75	1.0
76	1.0
77	1.0
78	1.0
79	1.0
80	1.0
81	1.0
82	1.0
83	1.0
84	1.0
85	1.0
86	1.0
87	1.0
88	1.0
89	1.0
90	1.0
91	1.0
92	1.0
93	1.0
94	1.0
95	1.0
96	1.0
97	1.0
98	1.0
99	1.0
100	1.0

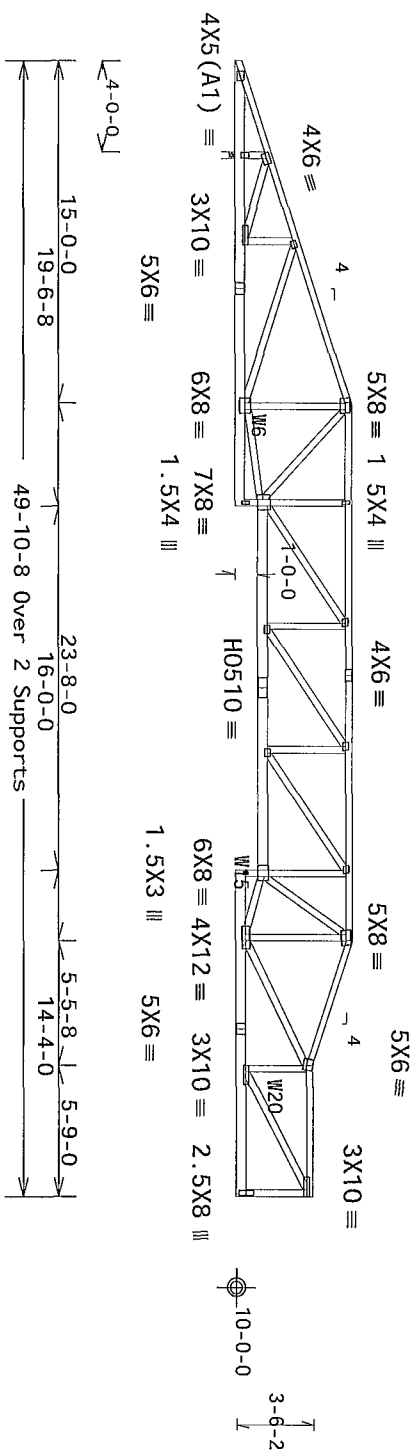
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCP(+/-)=0.18

Right end vertical 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.

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2)2x6 SP M-26 supporting member
(14) 0 148"x3" nails into supporting member,
(4) 0 148"x3" nails into supported member



R=2033 U=0 W=3 5" (3 5" min)
RL=62/-46

R=1695 U=3
H=H1

Note All Plates Are 3X4 Except As Shown.

PLT TYP	20 Gauge HS, Wave	Design Crit:
		FBC2010Res/TP1-2007 (STD)
		FT/RT=10%(0)/0(0)

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

Tusases require extensive care in fabricating handling as piping installing and bracing follow the latest edition of BS51 Building Component Safety Information by TPI and WCA. Practices prior to performing these functions installers shall provide temporary bracing during a proposed installation. These practices shall be properly attached structural bracing and bracing shall have bracing installed per BS51 section B5, B7 or B10 as applicable.

The Building Components Group Inc. (TIBCO) shall not be responsible for any deviation from the design shown on this drawing. The responsibility for the design and bracing of the building shall remain with the designer. Apply plates to each pipe of trusses and purlins as shown above. Drawings or cover plates illustrating this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The sub utility and use of this design for any application is the responsibility of the Building Designer. Per ANSI/TPI 1 Sec 2 For more information see general notes page TIB-006 www.tibco.org www.tpi.org WCA www.sdc-industry.com www.aisc.org

WILLIAM H. KRICK
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 70861
P.E. License

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114 - 2696
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337115
BC LL	0.0 PSF	HC-ENG	WHK/MMHK
TOT LD	37.0 PSF	SEQN-	335253
DUR. FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V1V487_Z03

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

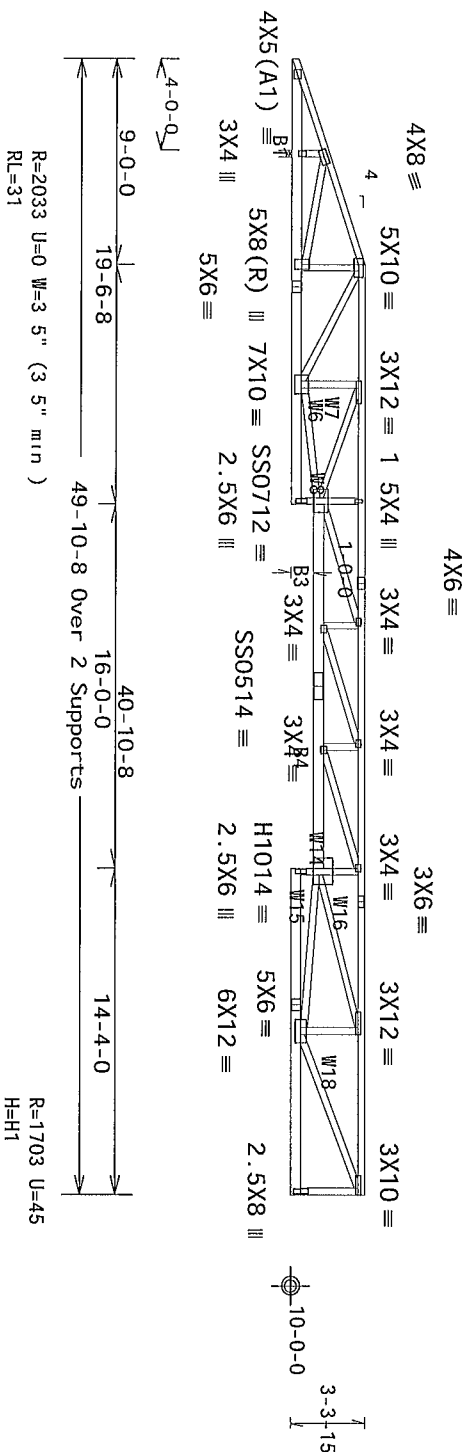
Left canti lever is exposed to wind

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.

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2)2x6 SP M-26 supporting member
(14) 0 148"x3' nails into supporting member,
(4) 0 148"x3' nails into supported member

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

edge	MMFERS	loads based on trusses located at least 30 00 ft from roof edge
1	1	1
2	1	1
3	1	1
4	1	1
5	1	1
6	1	1
7	1	1
8	1	1
9	1	1
10	1	1
11	1	1
12	1	1
13	1	1
14	1	1
15	1	1
16	1	1
17	1	1
18	1	1
19	1	1
20	1	1
21	1	1
22	1	1
23	1	1
24	1	1
25	1	1
26	1	1
27	1	1
28	1	1
29	1	1
30	1	1
31	1	1
32	1	1
33	1	1
34	1	1
35	1	1
36	1	1
37	1	1
38	1	1
39	1	1
40	1	1
41	1	1
42	1	1
43	1	1
44	1	1
45	1	1
46	1	1
47	1	1
48	1	1
49	1	1
50	1	1
51	1	1
52	1	1
53	1	1
54	1	1
55	1	1
56	1	1
57	1	1
58	1	1
59	1	1
60	1	1
61	1	1
62	1	1
63	1	1
64	1	1
65	1	1
66	1	1
67	1	1
68	1	1
69	1	1
70	1	1
71	1	1
72	1	1
73	1	1
74	1	1
75	1	1
76	1	1
77	1	1
78	1	1
79	1	1
80	1	1
81	1	1
82	1	1
83	1	1
84	1	1
85	1	1
86	1	1
87	1	1
88	1	1
89	1	1
90	1	1
91	1	1
92	1	1
93	1	1
94	1	1
95	1	1
96	1	1
97	1	1
98	1	1
99	1	1
100	1	1



R=1703 U=45
H=H1

PLT TYP	Design Crit	FBC2010Res/TP1-2007(STD)
20 Gauge HS, 18 Gauge HS,		
Wave		
		FT/RT=10%(0)/0(0)

12.03.04.0326.13

QTY: 1

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

Scale = .125"/Ft.

ALPINE

ITV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

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

Trussess require extreme care in fabricating handling and installing and bracing follow the latest edition or of BCIS (Building Component Safety Information by TPI and WTC) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord properly sheathed.

Bracing shall be installed per BCIS sheet nos. BR-07 or BR-10 as applicable.

TPI Building Components Group Inc. (TMBCCG) shall not be responsible for any steel at any location where it could be built in conformance with ANSI/APC 1 or for handling or any splicing or bracing of trusses. The user assumes all responsibility for design and erection. Drawings are subject to change without notice. Refer to drawings 160A-Z for standard details post-tensioning and cover plate detailing in this drawing indicates acceptance of professional seal and responsibility solely for the design shown. The suitability and use of this design for any purpose is the responsibility of the Building Designer.

per ANSI/TPI 1 Sec 2. For more information on section general notes page TPI-BGC www.tmbccg.com TPI www.tpi.net.org WTC www.stc-industry.com

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

Right end vertical not exposed to wind pressure

Calculated horizontal deflection is 0.25" due to live load and 0.36" due to dead load

Header 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

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

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

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

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

Right end vertical not exposed to wind pressure

Calculated horizontal deflection is 0.25" due to live load and 0.36" due to dead load

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

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.

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114- 2697
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337068
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37 0 PSF	SEQN-	335269
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1V487 Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - MH3 49'10"8 Mono 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
W5, W16, W19 2x4 SP #2-13B

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

Left cantilever is exposed to wind

Calculated horizontal deflection is 0 12" due to live load and 0 17"
due to dead load

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

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

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

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

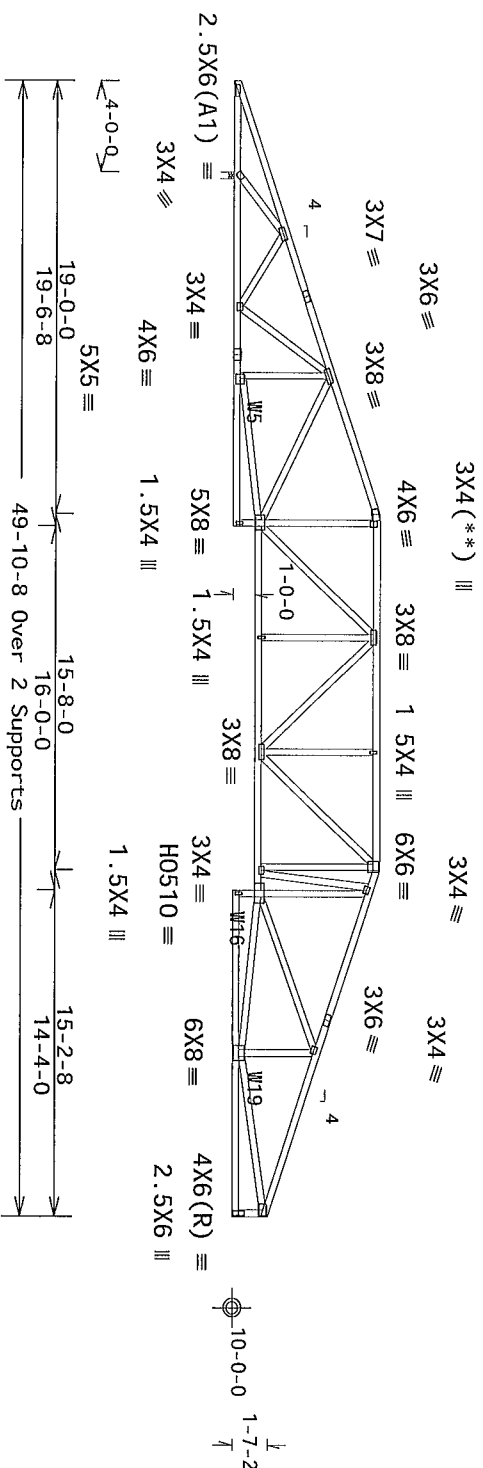
Wind loads and reactions based on MMFRS with additional C&C member
design

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

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2)2x6 SP M-26 supporting member
(14) 0 148"x3" nails into supporting member,
(4) 0 148"x3" nails into supported member

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



PLT TYP. 20 Gauge HS, Wave

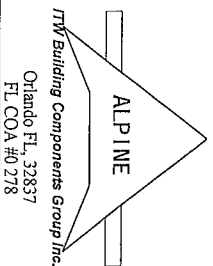
Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.09.26.13

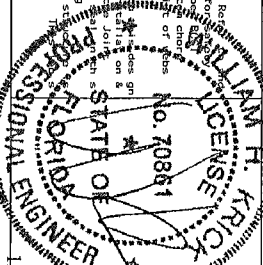
QTY 1

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

Scale = .125"/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
Follow the latest edition of BCSI (Buildng Component Safety Information) by TPI and WTCA
practices prior to performing these functions Installers shall provide temporary bracing per
unless noted otherwise top chord shall have properly attached structural sheathing and brace
shall have bracing installed per BCSI sections 85 87 or 810 as appli cable
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the
drawings or specifications of the trusses or for any damage to the trusses or for any damage to the
drawing or cover page listing this drawing indicates acceptance of professional engineering and
responsibility of the building designer per ASCE/TP1 1 Sec 2 For more information see
general notes page ITW-BCG WWW Trussing.com TPI WWW Trussing.org WTCA WWW SteelIndustry.com
ICC WWW Iccsource.org



TC LL	20 0 PSF	REF	R9114 - 2698
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337145
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	335054
DUR FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

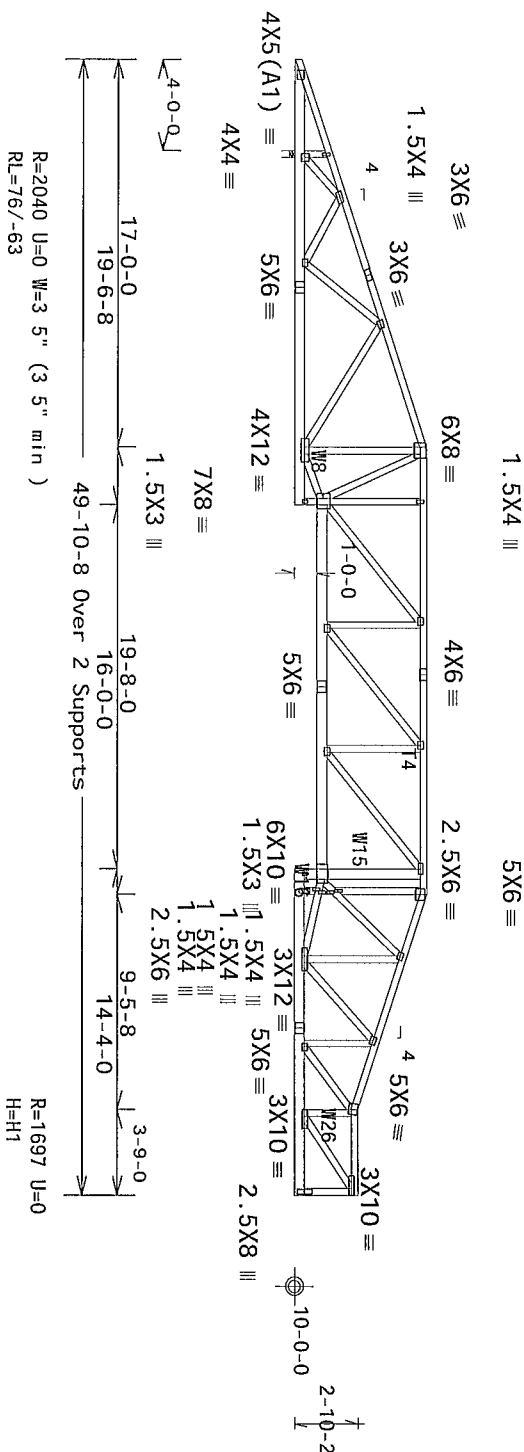
Left canti lever is exposed to wind

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.

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2)2x6 SP M-26 supporting member
(14) 0 148"x3' nails into supporting member,
(4) 0 148"x3' nails into supported 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.



Note All Plates Are 3X4 Except As Shown

PLT Typ Wave

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

12 08 04 0326 13

QTY:1

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

Scale = 125"/Ft

ALPINE

ITW Building Components Group Inc

Orlando FL, 32835
FL COA #0278

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

Tenuses, requi re extenve care in fabricating and handling and bracing
follow the latest edition of BCSI (Building Component Safety Information on by TPI and WITCA)
practices prior to performing these functions. Installers shall provide temporary bracing
Unbraced members shall have properly attached structural sheathing and bracing
members shall have bracing installed per BCSI sections B3, B7 or B10 as applicable

TPI Building Components Group Inc. (TPI/BGCI) shall not be responsible for any dev. action from
drawing or cover plate listing this drawing. The suitability and use of this design for any
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information on see
general notes page TPI-BGCI www.tbcbgci.com TPI www.tpi.net org WITCA www.sbc-industry.com

ICC www.iccbuild.org

12/04/2013

SPACING

JREF- IVIV481_203

Top chord 2x4 SP #1-13B T2, T3 2x4 SP M-30
T4 2x4 SP 2850F-2 3E
Bot chord 2x6 SP #2-13B B3, B4 2x6 SP #1 Dense-13B
B6 2x6 SP M-26
Webs 2x4 SP #3-13B
W2, W6, W7, W8, W14, W15, W16, W18 2x4 SP #2-13B
Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Calculated horizontal deflection is 0.18" due to live load and 0.26" due to dead load

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

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 GCP(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design

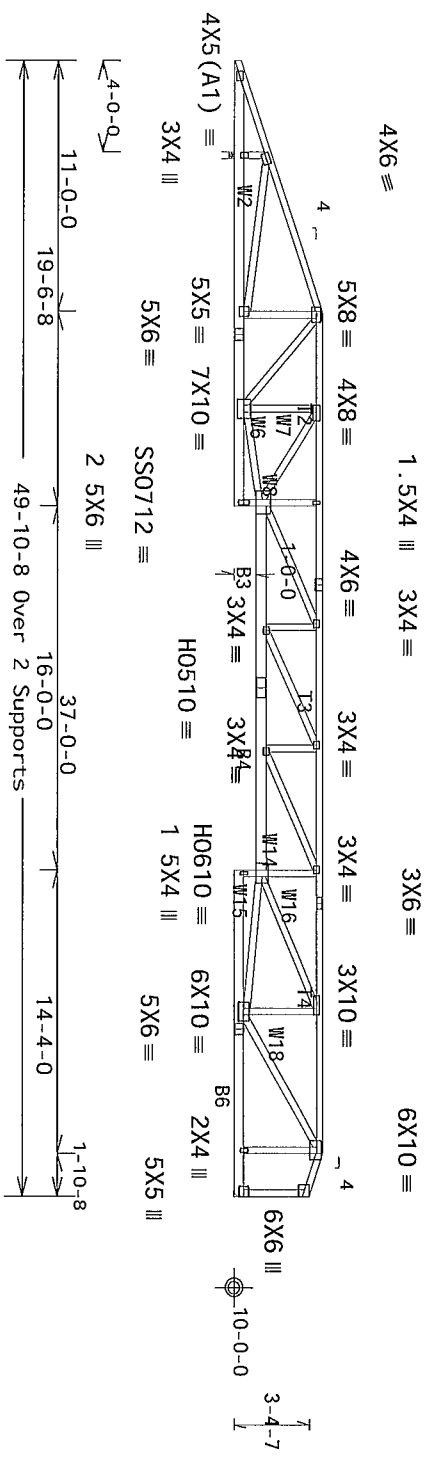
Right end vertical not exposed to wind pressure
Left cantilever is exposed to wind

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

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2) 2x6 SP M-26 supporting member
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member

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



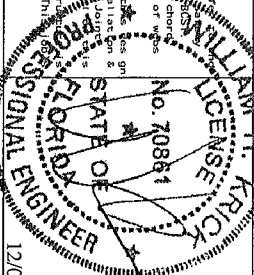
R=2033 U=0 W=3.5' (3.5" min)
RL=41/-26
R=1703 U=28
H=H1

PLT TYP 20 Gauge HS, 18 Gauge HS, Design Crit FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0) 12/04/2013 QTY:1 FL/-/5/-/-/R/- Scale = .125"/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 handling and bracing. Refer to the latest edition of BCS (Building Component Safety Information by TPI and WTC) for bracing practices prior to performing these functions. Installers shall provide temporary bracing per the instructions on the drawings. Trusses shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCS sections 63.07 or 61.0 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any device or product used in the erection of the truss. The user shall be responsible for the proper use of the truss. A drawing of cover page 1 of this design shows the suitability and use of this design for any structure. The responsibility of the building designer per ASCE 7-10 Sec 2. For more information see BCS (Building Component Safety Information by TPI and WTC) www.bcsindustry.com
ITC www.itscarts.org



TC LL	20.0 PSF	REF	R9114-2701
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HUS9114 13337071
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SECON-	335264
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF	11/14/87_Z03

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

2 COMPLETE TRUSSES REQUIRED

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 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		

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

Wind loads and reactions based on MWFRS

Right end vertical not exposed to wind pressure

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.24 due to live load and 0.28 due to dead load

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

These support conditions used at bearings indicated
(H1) = HHUS26-2 w/ (2)2x6 SP M-26 supporting member
(14) 0 148"x3 nails into supporting member.
(6) 0 148 x3 nails into supported member

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

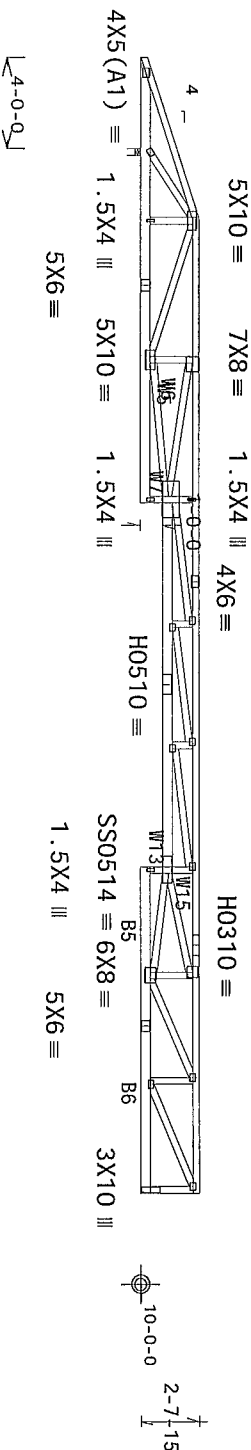
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See **WARNING** note below.

6X9
=

\$S0919 \equiv

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



R=2550 U=691 W=3 5" (3 5" min)

R=1242 U=1177
H=H1

Note All Plates Are 3X4 Except As Shown
PLT TYP 20 Gauge HS, 18 Gauge HS, Design Crit Wave
FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.04:0826.13

QTY:1

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

Scale = .125"/Ft.

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

Trussess require extreme care in fabricating, handling, shipping, installing, and bracing. Follow the latest code or use of BCSI (Building Component Safety) information by TPI and WFLCA. Practices prior to performing these functions. Installers shall provide temporary bracing/inertia. Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing shall have a properly attached rigid steel on local ones shown for permanent lateral restraint. Bracing shall have bracing installed per BCSI section B3 or B7 or B10 as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

ICC www.iccgate.org

12/04/2013

SPACING 24.0"

JREF- 1V1V487_Z03

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 MWFRS

Left cantilever is exposed to wind

Sub-fascia beam assumptions 4-11-6 sub-fascia beam on the 2-9-15 cantilever side 4-11-6 sub-fascia beam on the 2-9-15 cantilever side

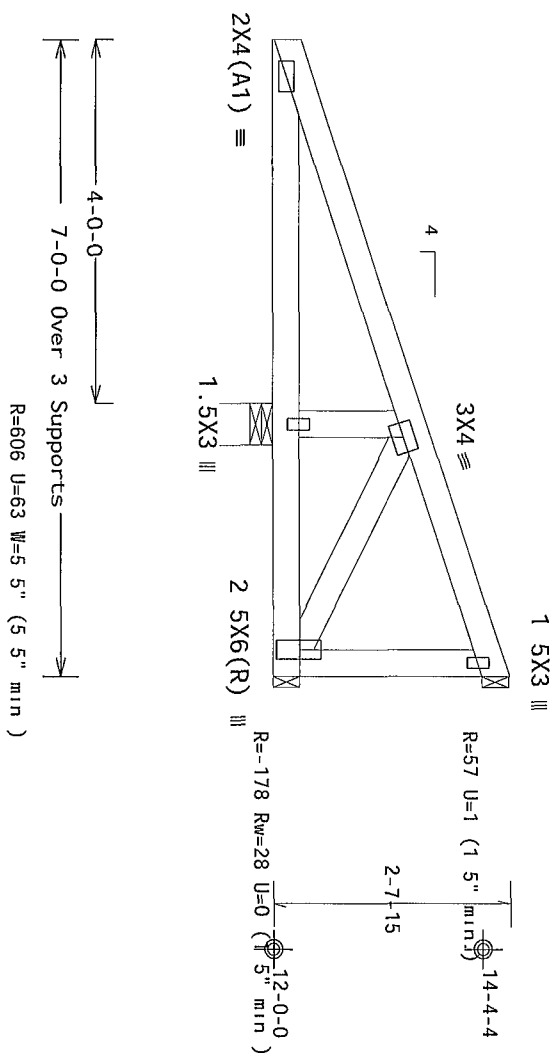
Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50

Negative reaction(s) of -178# 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, Located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gcpl(+/-)=0 18

Right end vertical not exposed to wind pressure

The following members need concentrated loads at the heel 4-11-6 span/setback member on the 2-9-15 cant side requires 44 lbs and the 4-11-6 span/setback member on the 2-9-15 cant side requires 44 lbs



PLT_TYP Wave

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

12.03.2014.0826.13

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

Scale = 5"/Ft.

ALPINE

ITV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****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, installing and bracing. Refer to the latest edition of BCSI's *Building Component Safety Information* by TPI and WTC® for the most current information on proper bracing and installation. Truss installers shall provide temporary bracing per the manufacturer's instructions. Trusses shall have a properly installed rafter or chord bracing system. Trusses shall have a properly attached structural sheathing and blocking. Trusses shall have bracing installed per BCSI sections B3, E7 or B8 as applicable. Local snow loads for permanent lateral restraint shall be determined by the local building code.

17W-Building Construction Group Inc. (TMBEC) shall not be responsible for any delay or interruption of work by its members or subcontractors due to weather conditions or any failure to build the trusts in compliance with ANSI/TPI-1 or for hunting or sniping in the vicinity of Trusts. Apply places to each Face of Trusts and position as shown above and on A. Decal is unless noted otherwise. Refer to drawings T60A-Z for standard plate positions. A drawing of cover page listing this drawing indicates acceptance of professional engineer's design and approval of the building designer per ANSI/TPI-1 Sec 2. For more information see general notes page 17W-SBG www.tmbec.com TPI www.tpicorp.org WYCA www.steelindustry.com
ICC www.icccore.org

70854

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2703
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCU9114 13337085
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37 0 PSF	SEON-	335459
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

Left cantilever is exposed to wind

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

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

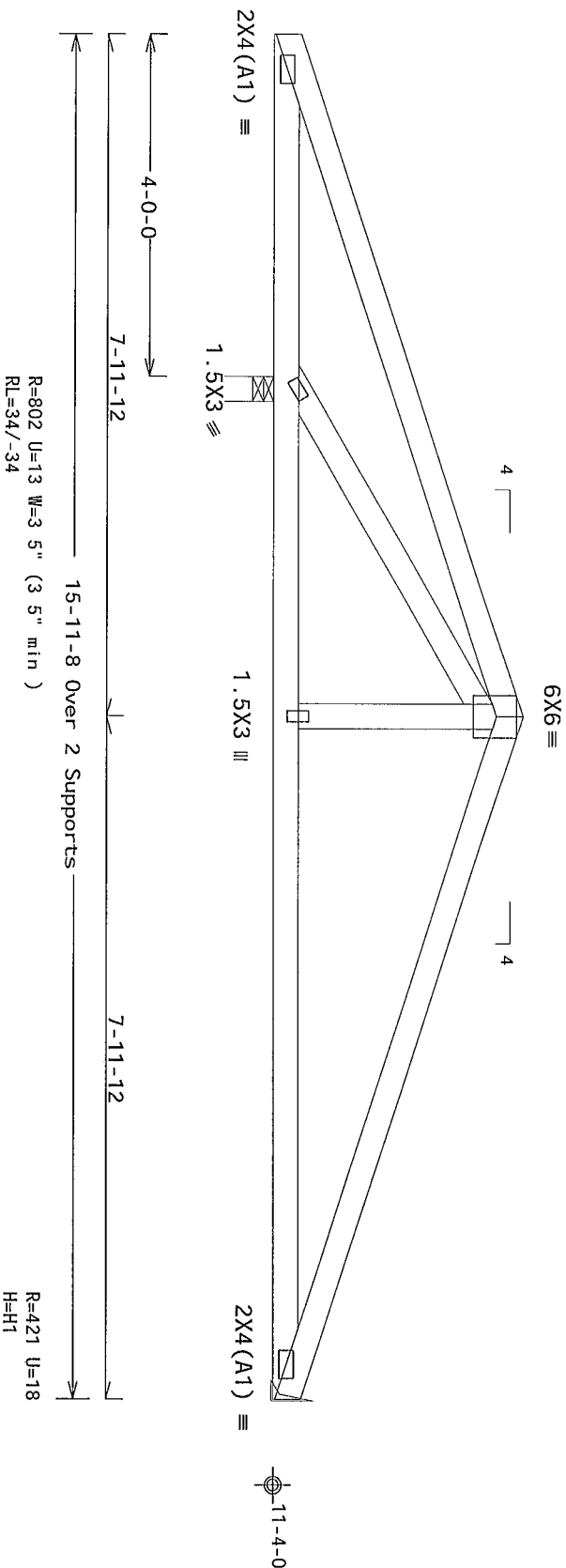
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf $G C p (+/-)=0$ i8

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

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

These support conditions used at bearings indicated
(H1) = LfJ24 w/ (2)2x6 SP SS-13B supporting member
(4) 0 148"x3" nails into supporting member,
(2) 0 148"x1 5" nails into supported member

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



PLT TYP. Wave

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

12.03.04.0026.13

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

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** THIS DRAWING IS THE PROPERTY OF THE BUILDING GROUP INC. ANY REUSE OF THIS DRAWING WITHOUT THE WRITTEN CONSENT OF THE BUILDING GROUP INC. IS STRICTLY PROHIBITED.

Trusses require eave bracing in raftering, banding, shoring, installing and bracing follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTCa. Practice prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheath ng and bottom chord shall have properly attached sheath ng and ceiling. Locations shown for permanent lateral restraints shall have been checked and approved by the engineer.

17W Building Group Inc. (17WBG) shall not be responsible for any deviation from the drawings or failure to build the truss in strict accordance with the drawings. The contractor shall be responsible for the bracing of trusses. Apply plates to each face of truss and post as shown above and below. Deck is unless noted otherwise. Refer to draw ngs 1604-2 for standard plate positions. A drawing or cover page list ng this drawing and notes applicable to professional ng meaning shall be provided to the contractor. The contractor shall be responsible for any deviation from the responsibility of the Building Group Inc. For more information, please contact the Building Group Inc. per ANSI/771.1 Sec 2. For more information, please contact the Building Group Inc. per ANSI/771.1 Sec 2.

general notes page 17W-BG0 www.tlrbg.com TPI www.tpi.net WTCa www.industry.com

CC www.tlrbg.com

No. 70861
 STATE OF
 FLORIDA
 PROFESSIONAL
 ENGINEER

12/04/2013

TC LL	20.0 PSF	REF	R9114 - 2704
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H05R9114 13337098
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335016
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487 Z03

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

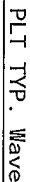
Right end vertical not exposed to wind pressure

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

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

WWFRS 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)

12 03 04 0326.13

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

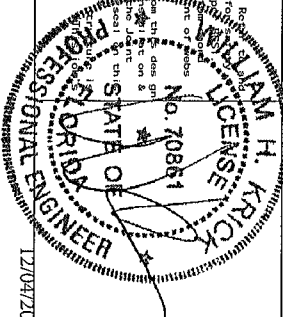
Scale = .3125"/Ft.

ALPINE

ITV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** IT'S NEARBY SITE'S DECISION TO ALL CONTRACTORS INCLUDING INSTALLERS
Tensuses require extreme care in fabricating, handling, resitting and bracing
follow the latest edition of BCSP (Building Component Safety Information by TPI and WTCB)
practices prior to performing these functions. Installers shall provide temporary bracing
whenever trusses need components. Top chord shall have properly attached structural sheathing and bracing
shall have bracing installed per BCSP sections 83, B7 or 810 as applicable.
117 Building Components Group Inc. (117BCG) shall be responsible for any detailing
any failure to build the truss in conformance with ANSI/TPI 1 or for handing any shipping
or bracing of trusses. Apply plates to each face of truss and position as shown above and on
bracing is unless noted otherwise. Refer to drawings 160A-2 for standard plate sizes and on
117BCG shall be responsible for providing the necessary professional engineering notes
reasonably likely to satisfy the design per ANSI/TPI 1 Sec. 2. For more information see
the responsible bill of the Build ng Design per ANSI/TPI 1 Sec. 2. For more information see
general notes page 117-30G www.117bcg.com TPI www.tpi.net.org WTCB www.sbcindustry.com
ICC www.iccsafe.org www.117bcg.com



12/04/2013

TC LL	20.0 PSF	REF	R9114- 2705
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCU8R9114 13337099
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335024
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-3 12'10" 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

End verticals not exposed to wind pressure

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

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

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 GCF(+/-)=0.18

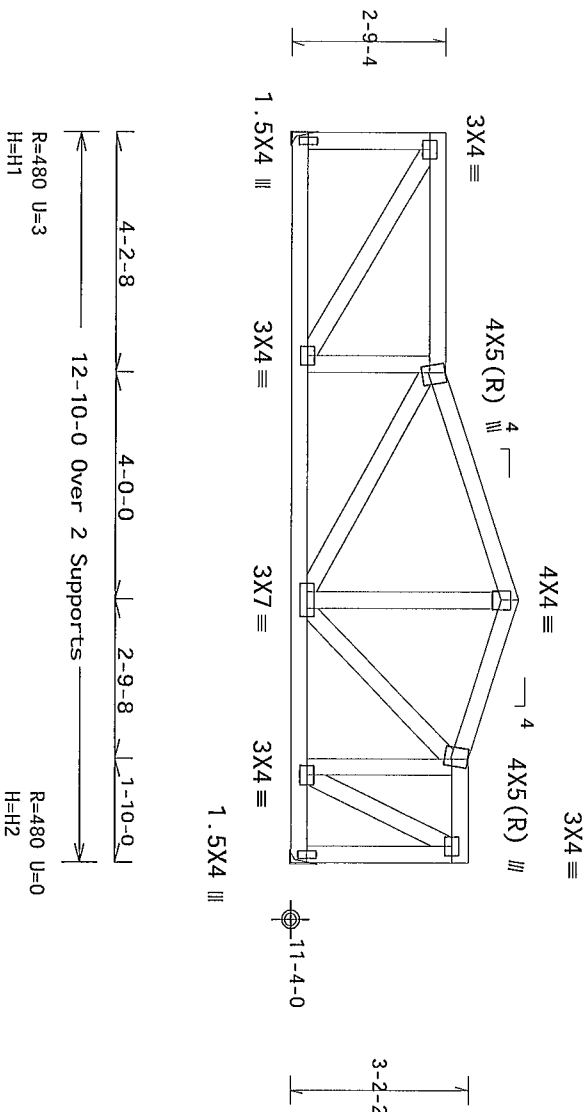
Wind loads and reactions based on MMFRS with additional C&C member
design

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

These support conditions used at bearings indicated

- (H1) = LU24 w/ (1) 2x4 SP #1-13B supporting member
(4) 0 148"x3" nails into supporting member,
(2) 0 148"x1 5" nails into supported member
(H2) = LU24 w/ (2) 2x6 SP SS-13B supporting member
(4) 0 148"x3" nails into supporting member,
(2) 0 148"x1 5" nails into supported member

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)

12.03.04.0326.13 QTY:1

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

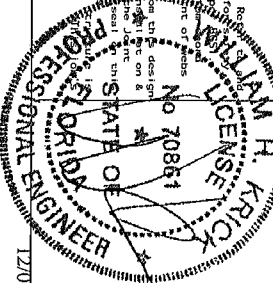
Scale = .3125"/Ft.

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 fabricating, handling, shipping, installing and bracing.
Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WFOA.
Practice these functions. Installers shall provide temporary bracing protection.
Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing.
Bottom chord shall have properly attached structural sheathing and bracing.
All trusses shall be braced in accordance with the BCSI or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design.
any failure, injury, loss, damage, or expense resulting from the use of this design, or from the use of
bracing of trusses. Apply plates to each face of truss and post on as shown above and on the
Data is unless noted otherwise. Refer to drawings 1604.2 for standard plate positions.
Drawing of cover page 1 setting on drawing. No copies acceptance of professional engineer.
responsibility solely for the design shown. The user hereby and use of this design for any
truss shall be the user's responsibility. During the design process, the user shall be more
general notes page 1 ITW-BCSI www.tanking.com TPI www.trusses.org WFOA www.structure.com
ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 2706
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13337086
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SECON-	335034
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF	11/14/87_Z03

(13-285--Fill in later /Anita and Jerry West Res: -- Lake City, FL - T-4 15'11"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 cantilever is exposed to wind

(J) Hanger Support Required, by others

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

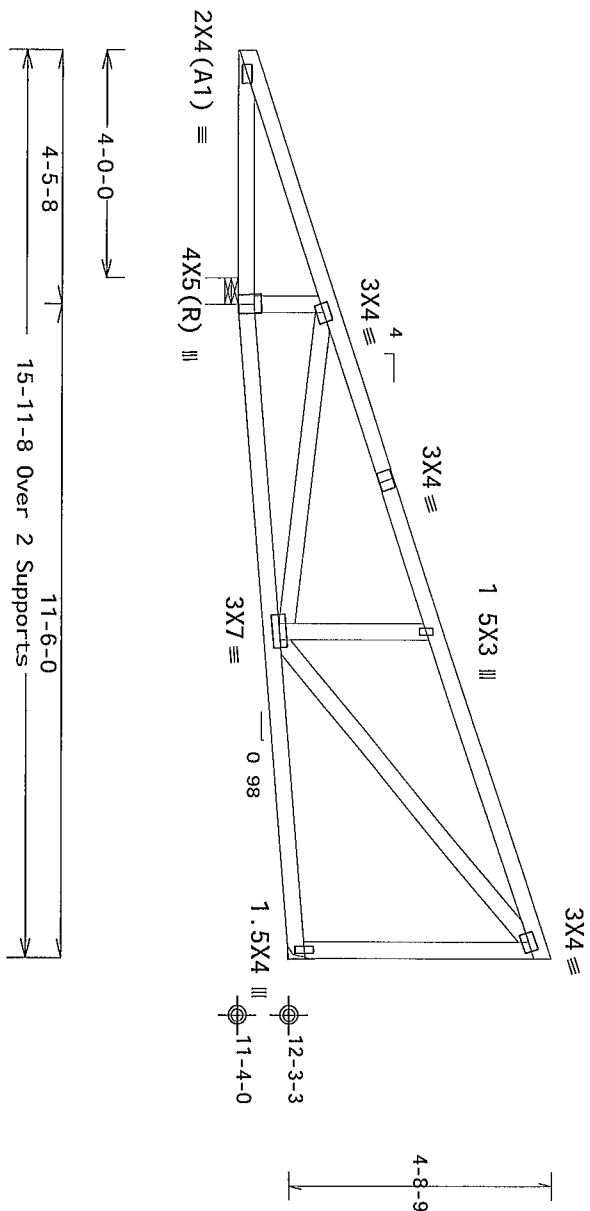
Wind loads and reactions based on MMFRS with additional C&C member
design

Right end vertical not exposed to wind pressure

Bottom chord checked for 10.00 psf non-concurrent live load

Shim all supports to solid bearing

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



R=828 U=0 W=5.5" (5.5" min)
RL=59

R=400 U=2
H=H1

PLT TYP Wave

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

12.03.04.0326.13

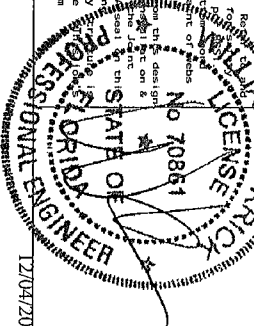
QTY:2 FL/-/5/-/-/R/-

Scale = .3125"/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 fabricating handling shipping installing and bracing
Follow the latest edition of BCS1 (Building Component Safety Information by TP1 and WTC) for
practices for or to performing these functions. Installers shall provide temporary bracing
practices noted otherwise top chord shall have properly attached structural sheathing and blocking
to provide lateral resistance. All trusses shall have blocking installed per BCS1 sections B3, B7 or B10
as applicable.
ITW Building Components Group Inc. (ITWBC) shall not be responsible for any new action
any failure to build the truss in conformance with ANSI/TP1-2007 (STD) for more information see
Data is unless noted otherwise. Refer to drawings 180A-Z for standard plate positions
drawing or cover page listing this drawing indicates acceptance of professional engineering
responsibility solely for the design shown. The suitability and use of this design for any
purpose is the responsibility of the building designer. Per ANSI/TP1-2007 (STD) for more information see
general notes page 1. TP1 www.tp1inc.org WTC www.wtcindustrial.com
ICC www.icc-inc.org



TC LL	20.0 PSF	REF	R9114-2707
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H05R9114 13337102
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335033
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_203

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 GCpl(+/-)=0 18

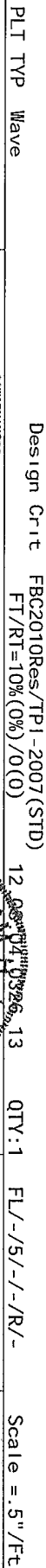
Wind loads and reactions based on MMFRS with additional C&C member design

Right end vertical not exposed to wind pressure

In lieu of structural panels use purlins to brace all flat LC @ 24 in.

Deflection meets 1/240 live and 1/180 total load. Green increases

factor for dead load is 1.50



Orlando FL, 32837
FL COA #0 278

****IMPORTANT**** BY SUBMITTING THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
 These users require extensive area in their cat ng handling an sp ng installing and bracing
 follow the latest ed t ion of BCSI (Bu id ng Component Safety Information by TPI and WTCa)
 practices pr or to perform ng these tasks. Bu id ng installers shall provide temporary bracing
 these noted otherwise. Top chord shall have properly attached structural sheathing and boar
 shall have been ng installed per BCSI sect ion 83.87 or 810 as appli cable.

17R Bu id ng Components Group Inc. (17MBG) shall not be responsible for any deviation fr
 any failure to build the truss in conformance w th ANSI/TPI 1 or for handling an sp ng it
 Bracing of trusses needed. Appli places to each piece of truss and pos t on as shown above and on
 details unless noted otherwise. Refer to drawings 180A-2 for standard plate pos tions. A
 ing and bracing shall be installed in accordance w th the provisions of the Professional Engineer's
 drawing or rely solely on the drawings and specifications. The user shall be responsible for
 the responsibility of the Building Designer. For more information see
 general notes page 17R-BG6 www.17bldg.com TPI www.tpinet.org WTCa www.sdcindustry.com
www.17bldg.com www.17bldg.com www.17bldg.com

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2708
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H0USE9114 13337703
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335038
DUR.FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V1V487_Z03

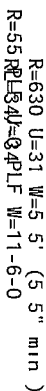
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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



Scale = .5"/Ft.

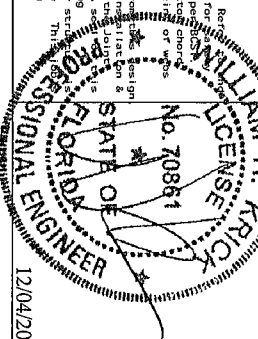
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET**
PURVIS IS MAKING THIS DESIGN TO ALLOW CONTRACTORS INSTALLING
 Trusses require extreme care in fabricating, handling, and bracing to follow the latest edition of BCSI's Building Component Safety Information by TPI and WTCO. Contractors shall provide temporary bracing for all trusses until they are properly attached structurally, sheathed, and braced. Trusses shall have bracing installed per BCSI's sections B3, B7 or B10 as applicable.

17B Building Components Group Inc. (17MBG3) shall not be responsible for any delay action from any failure to build the truss in conformance with the ANSI/APA or for handling, shipping or installing the truss. Any delay action shall be the responsibility of the contractor. All drawings, details, unless noted otherwise. Refer to drawing 180A-2 for standard brace positions. All drawings or cover pages illustrating this drawing indicates acceptance of professional engineer responsibility solely for the design shown. The use, liability and use of this design for any other purpose than the response ability of the Building Designer per ANSI/APA 1 Sec 2. For more information see the general notes page 17B BCGS. www.17bdcg.com TPI www.tpinet.org WTCO www.steelindustry.com

17C www.17ccable.org



1 FL/-5/-/-/R/-		Scale =.5"/Ft.	
TC LL	20.0 PSF	REF	R9114 - 2709
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HOUSE114 13357100
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335135
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(J) Hanger Support Required, by others

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

Shim all supports to solid bearing

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

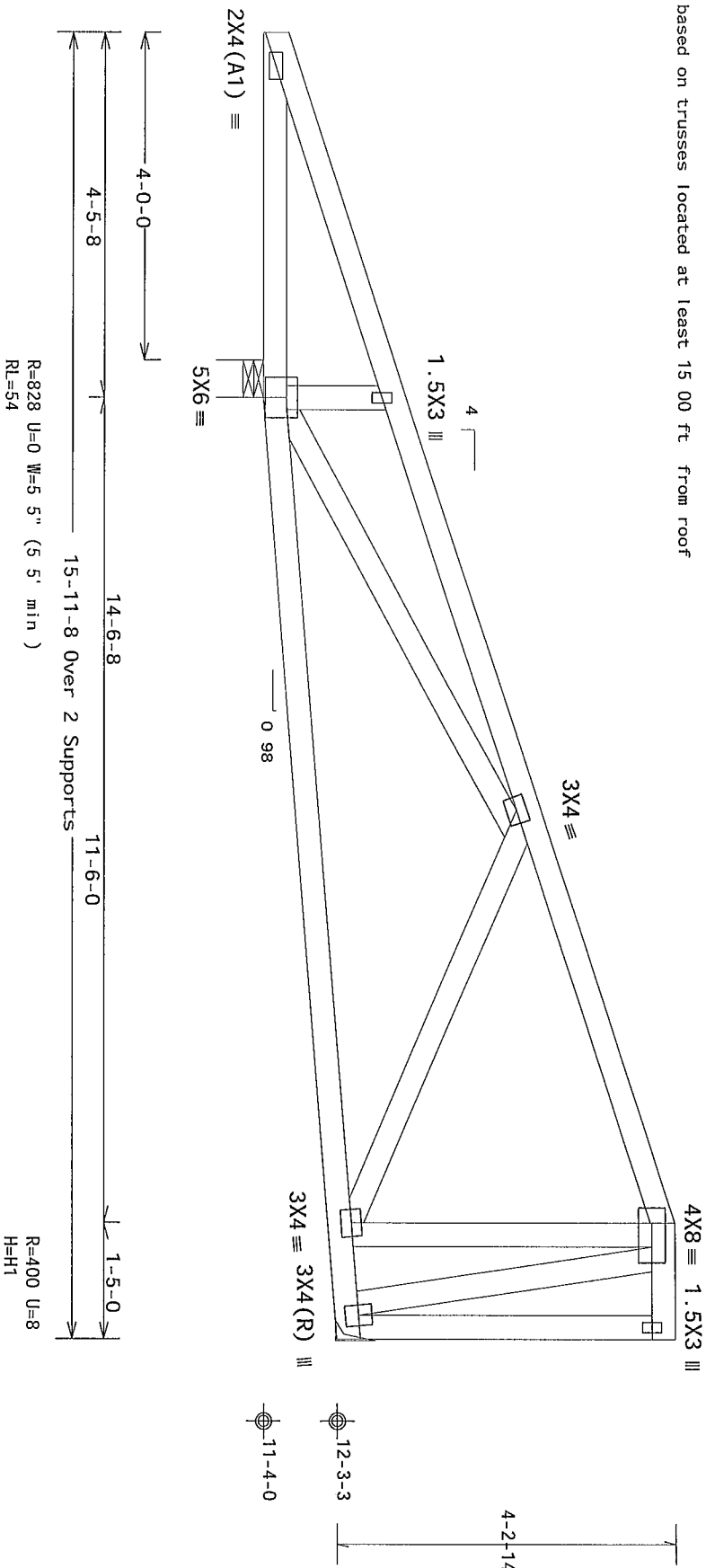
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

Deflection meets $L/240$ live and $L/180$ total load 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 08:04:03Z 13

QTY:1

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

Scale = .5"/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

Followers require extreme care in fabricating, handling an ppe, installing and bracing. Consult the latest edition of BCSI (Building Component Safety Information by TPI and WTCO) prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid c l ng. Locations shown for permanent lateral restraint shall have brace ng installed per BCSI sect on 8.3. B7 or B10 as appl cable.

ITM Building Components Group Inc. (**ITBCCG**) shall not be responsible for any deviation from the design or construction of the building components if the contractor fails to follow the drawings or specifications provided by ITM. The contractor shall be responsible for any failure to build the trust in accordance with ANSI/TPI 1 or for handling slitting 1 or for bracing of trusses. Apply plates to each knee of truss and post it on shown above and on drawing or cover plate listing this drawing and dates acceptance of professional seal and responsibility solely for the design and use of this design for any other project. The contractor shall be responsible for the building design per ANSI/TPI 1 Sec 2. For more information see general notes page ITW-BGC www.itwbgc.com TPI www.tpi.net.org WTCA www.steelindustry.com
www.ittcc.com

WILSON
LICENSE
No. 70861

Professional Engineer Seal for the State of Florida, No. 12456, for Thomas J. S. Jones, P.E.

12/04/2013

DUR. FAC.
SPACING

1.25
24.0"

FROM JMM
JREF- 1V1

1487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - T-8 15'11"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 cantilever is exposed to wind

(J) Hanger Support Required, by others

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

Shim all supports to solid bearing

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

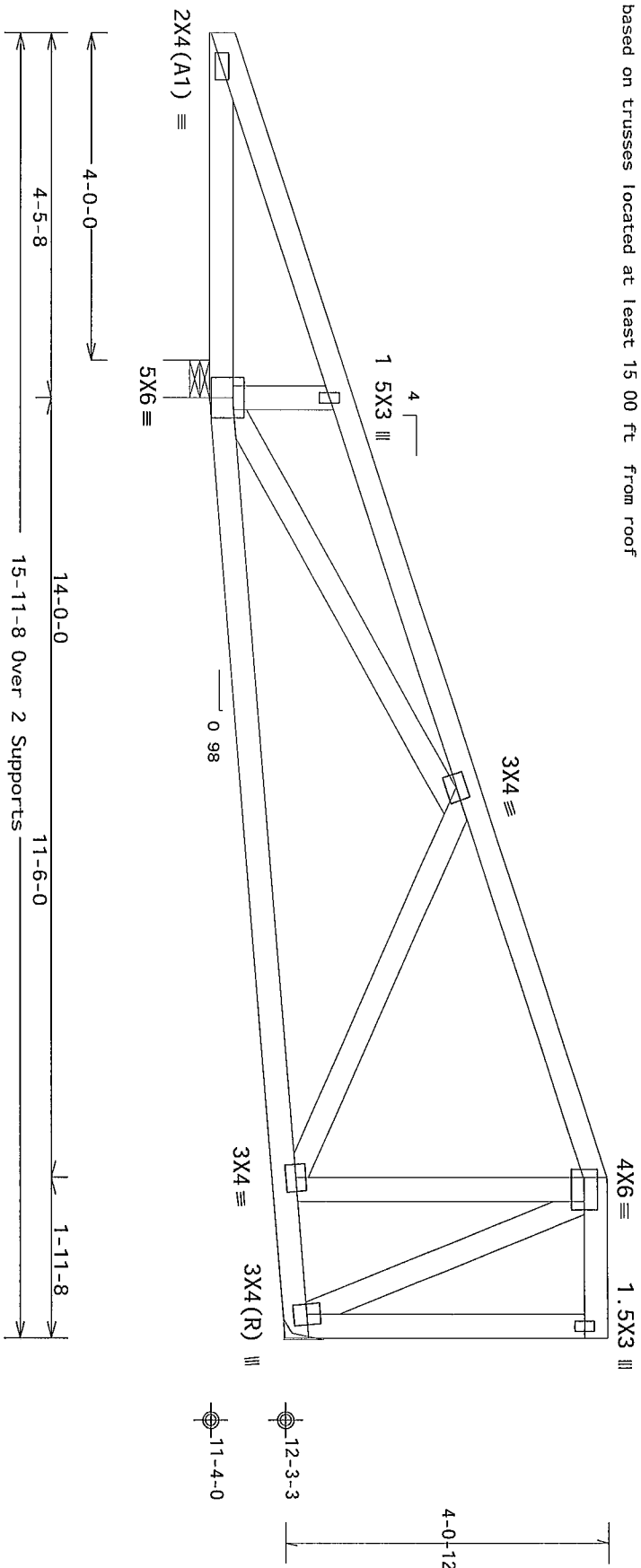
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

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



PLT TYP. Wave

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

12/04/2013

QTY:1

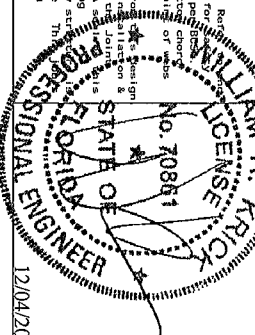
FL/-/5/-/-/R/-

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, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) information on by TP1 and WDA for BCSI practices prior to performing these functions. Installers shall provide temporary bracing and bracing of trusses. Units noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r/g d ceiling. Locate one shown for permanent lateral restraint of webs. Shall have bracing installed per BCSI (see items B5, B7 or B10 as apply) cable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and for any bracing or bracing of trusses. Apply plates to each face of trusses and posts on as shown above and on the drawings 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 Sec 2. For more information see the reference notes page ITWBCG www.itwbcg.com WDA www.wdaindustry.com
ITWBCG www.itwbcg.com WDA www.wdaindustry.com



TC LL	20.0 PSF	REF R9114- 2711
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUSR9114 13337106
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD	37.0 PSF	SEGN- 335060
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V1V487_203

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLUSED 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

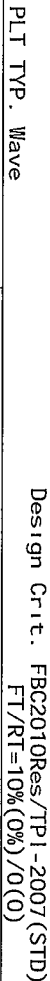
Right end vertical not exposed to wind pressure

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

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

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

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



Scale = .5"/Ft.

ITW Building Components Group Inc.

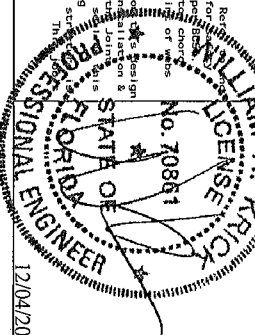
Orlando FL, 32837
FL COA #0 278

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

Trusfide requires extreme care in fabricating, handling, lifting, and installing and bracing follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) practice prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise so that chord shall have sufficient bracing for permanent lateral resistance and bracing shall have bracing for lateral loads per BCSI section B3. B7 or B10 as applicable.

1TW Building Components Grade 50 (1TWB50) shall be the responsibility for any design errors. Any failure to build the truss in conformance with ANSI/TPI 1 for design and erection of trusses, bracing of trusses. Apply plates to each face of truss and post as shown above and on Details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions.

Drawing of lower plate indicating that drawing indicates acceptance of professional engineer in accordance with the provisions of the International Building Code (IBC) and the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information see general notes page 1TW-BDG www.1twbdg.com TPI www.tpi.net.org WTCA www.sdcindustry.com www.ccsa.org



TC LL	20.0 PSF	REF	R9114- 2712
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337088
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335063
DUR. FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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.

These support conditions used at bearings indicated

(H1) = LU24 w/ (1)24 SP #1-13B supporting member

(4) 0 148"x3" nails into supporting member,

(2) 0 148 x1 5" nails into supported member

(H2) = LU24 w/ (2)2x6 SP SS-13B supporting member

(4) 0 148"x3" nails into supporting member,

(2) 0 148 x1 5 nails into supported member

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

$$4 \times 4 =$$

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 6Cpl(+/-)=0 18

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

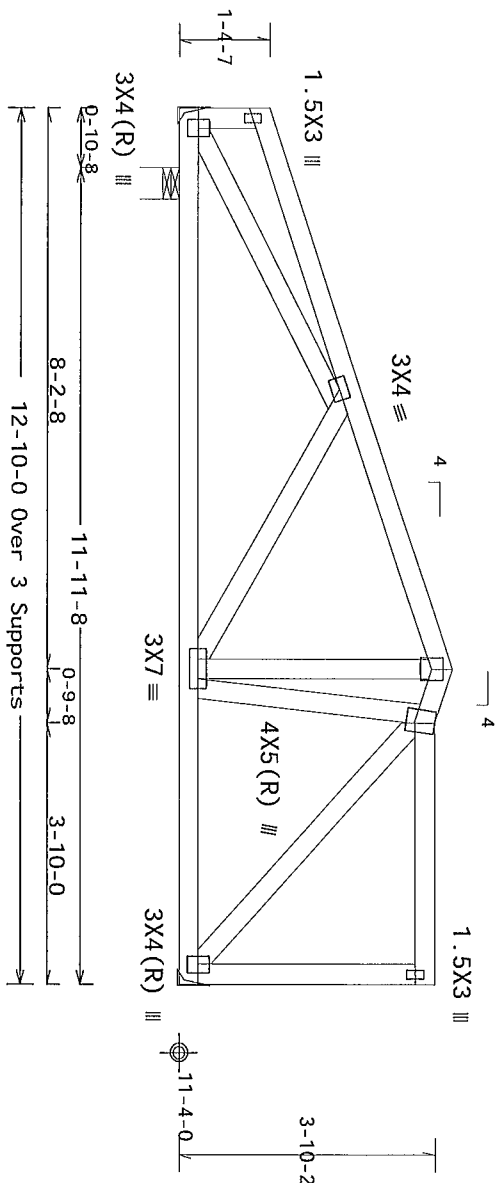
Right end vertical not exposed to wind pressure

Hanger specified assumes connection to supporting chord is located a 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 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



```
R=334 U=24
RL=29R=305 U=0 W=5 5
H=H1
```

R=466 U=9
H=H2

PLT TYP Wave

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

12 00:04:03.13

QTY:1

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

Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

****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, installing and bracing. Follow the latest edition of BCSP (Building Component Specification by TPI and WTCB) practices prior to performing these functions. Installers shall provide temporary bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bolts shall have a properly attached rigid ceiling. Locate ones shown for permanent lateral restraint shall have bracing installed per BCSP sections 83, 87 or 810 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any new action or any future to build the truss, in conformance with AS/NZS/TP1 or for handling, its piling 1 or 2. Handling of trusses. Apply plates to each side of truss and post on as shown above and on drawing or cover plate listing its details. The sub list and use of this design for any other building responsibility is solely for the design shown. The sub list and use of this design for any other building responsibility of the Building Design group. TP1

general notes page ITW-BCG www.itwbcg.com www.printer.org www.steelindustry.com

ICC www.icc.org

12/04/2013

TC LL	20.0 PSF	REF	R9114 - 2713
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HGUSR9114 13337101
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD	37.0 PSF	SEQN -	335075
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF -	1V1V487_Z03

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

Left cantilever is exposed to wind

(J) Hanger Support Required, by others

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

Shim all supports to solid bearing

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

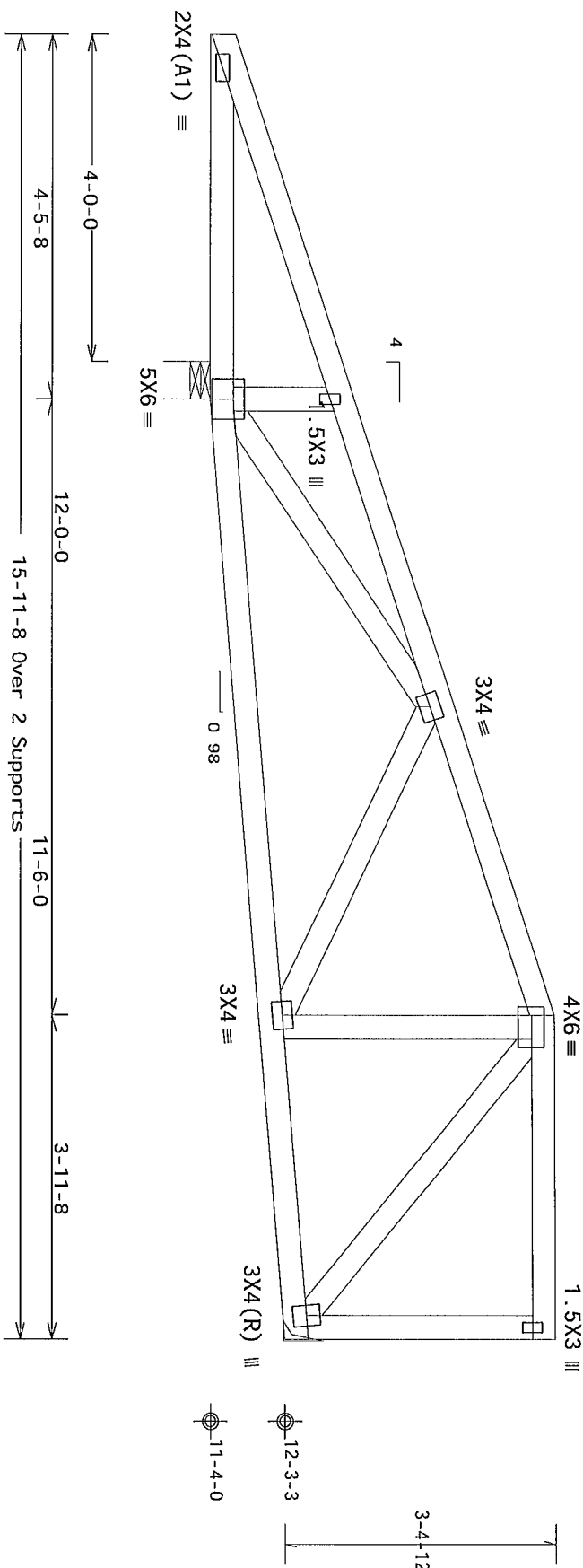
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

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



R=828 U=0 W=5 5" (5 5" min)
RL=45

R=400 U=17
H=H1

PLT TYP	Wave
---------	------

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

12.02.2024.08.26.13

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

Trussers require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI's Building Component Safety Information by TPI and WITCA. Practices prior to performing any these functions, installers shall provide temporary bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid or rigid/semi-rigid sheathing. Locations shown for permanent lateral bracing shall have bracing installed per BCSI's section 83.87 or 83.90 as applicable.

[illegible]

Reference to the
for the
LICK
LICENSE
for the

No. 70864



12/04/20

TC LL	20.0 PSF	REF	R9114- 2714
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10 0 PSF	DRW	HCUSR9114 13337079
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEON-	335084
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

Left cantilever is exposed to wind

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.

These support conditions used at bearings indicated
(H1) = L/240 w/ (2)2x6 SP #2-13B supporting member
(4) 0 148"x3" nails into supporting member.
(2) 0 148"x1 5" nails into supported member

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

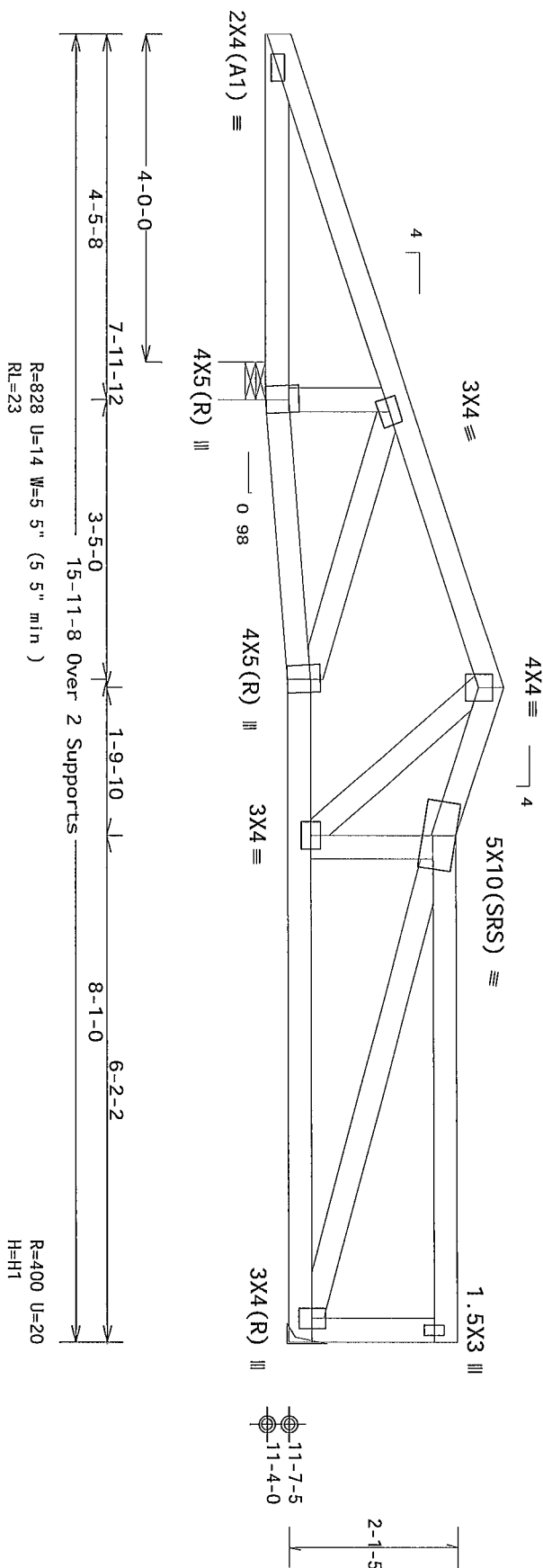
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

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

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



PLT TYP. Wave

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

12.03.04:0026.13

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

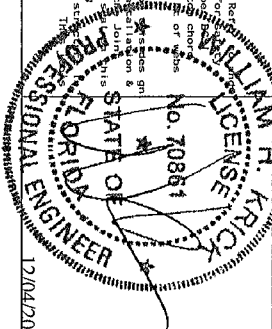
Scale = .5"/Ft.

ALPINE

Orlando FL, 32837
FL COA #0 278

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

Troussard, rotor extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTA's practices or go to performing these functions. Installer shall provide temporary bracing until all units are properly attached. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Units shown for permanent lateral restraint shall have bracing installed per BCSI section 83, 87 or 810 as applicable.

[illegible]

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2715
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337089
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335088
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

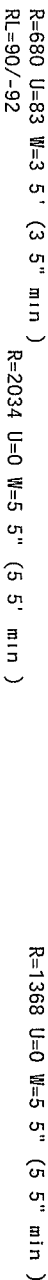
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf Gp1(+/-)=0.18

design

Left and right cantilevers are exposed to wind

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.

REF R9114- 2716

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

shall have a properly installed per BDCI setting	Loose ends shown for permanent lateral restraint shall have braiding attached per BDCI settings SC 87 or 810 as appl cable
IWB Buld Inc Components Group Inc (IWBSCG) shall not be responsible for any new stationing	
any try to build the truss in conformance w th ANSI/AISC 1 or for hand ng an sp ng	
ing of components and plates	
Ductile connections are required by AISC 360-10. Refer to drawings IWB04-2 for standard splice points and	
responsibility solely for the design shown. The suitability and use of th s des gn for stationing sec	
general notes page IWB BCG www.iwbdcg.com	TP1 www.trn.net.org WTCB www.sbc.industry.com
ICD www.icddesign.org	

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 70861

06/04/2017

BC LL	0 0 PSF	HC-ENG WHK/WHK
TOT LD.	37.0 PSF	SEON- 335191
DUR. FAC.	1.25	FROM JMW
SPACING	24 0"	JREF- 11V487_Z03

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

BLOCK LENGTH = 4 588'

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

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.

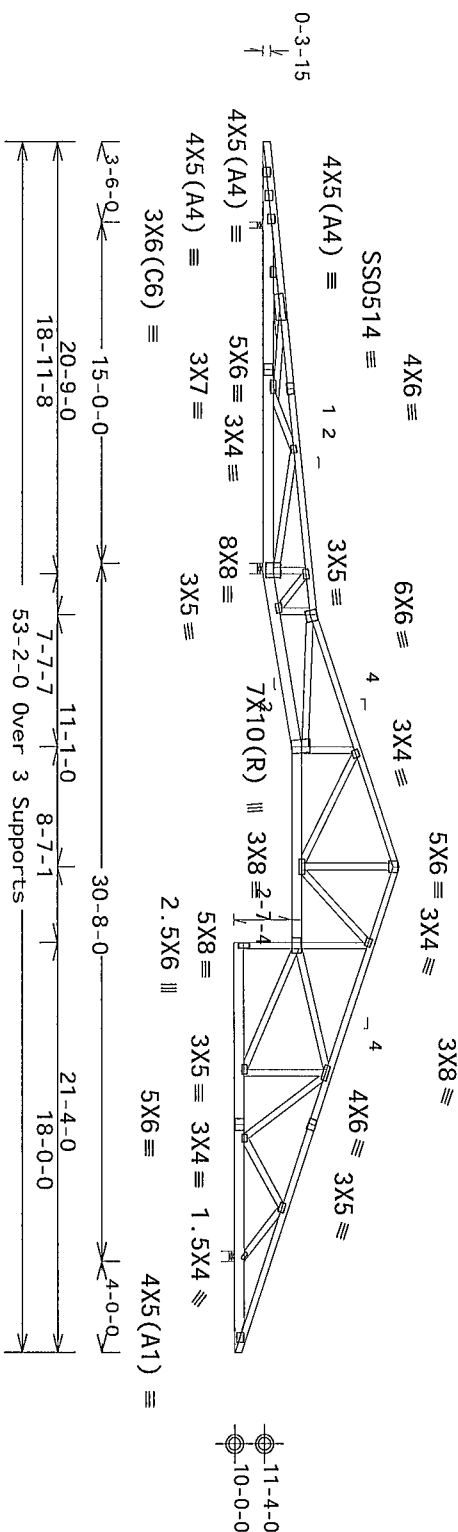
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind psf, wind BC DL=5 0 psf Gcpl(+/-)=0 18

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

Left and right cantilevers are exposed to wind

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=682 U=82 W=3 5' (3 5" min)
RL=91/-93

R=2029 U=0 W=5 5 (5 5" min)

R=1369 U=0 W=5 5" (5 5" min)

PLT TYP. 18 Gauge HS, Wave

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

12.03.04.03.26 13

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

Scale = 125"/Ft.

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

Tennesson requires extreme care in fabricating handling braid piping material and wiring and follow the latest edition of BCS (Building Component Safety Information by TPI and WPCA) practices prior to installing these functions. Installers shall provide temporary brace ng and bracing used other than top chord shall have properly attached structural sheath ng and bracing shall have brace ng installed per BCS section 83.87 or B10 as applicable

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

the responsibility of the building designer per ANSI/AP1 1 Sec 2 for more information see
general notes page 17W-BGC www.tbwebg.com TPI www.tpinst.org WTCA www.sbc industry.com
ICC www.ccsafe.org

~~12/04/2013~~

TC LL	20 0 PSF	REF	R9114- 2717
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337087
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335196
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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.

These support conditions used at bearings indicated
(H1) = HUS26 w/ (2)2x6 SP M-26 supporting member
(14) 0 148"x3" nails into supporting member,
(4) 0 148"x3" nails into supported member

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 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

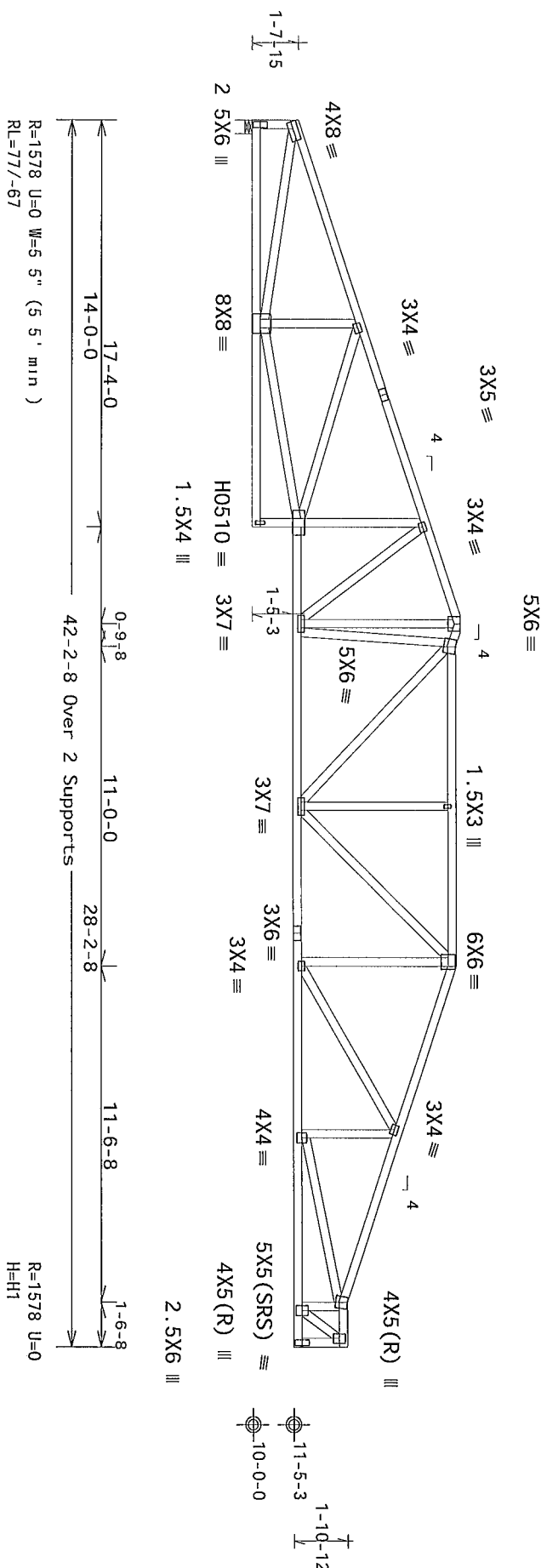
Wind loads and reactions based on MMFRS with additional C&C member design

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

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

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

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



PLT TYP. 20 Gauge HS, Wave

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

12.03.04.0326.13

QTY:1

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

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114- 2719
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 13357110
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335066
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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.

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

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

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

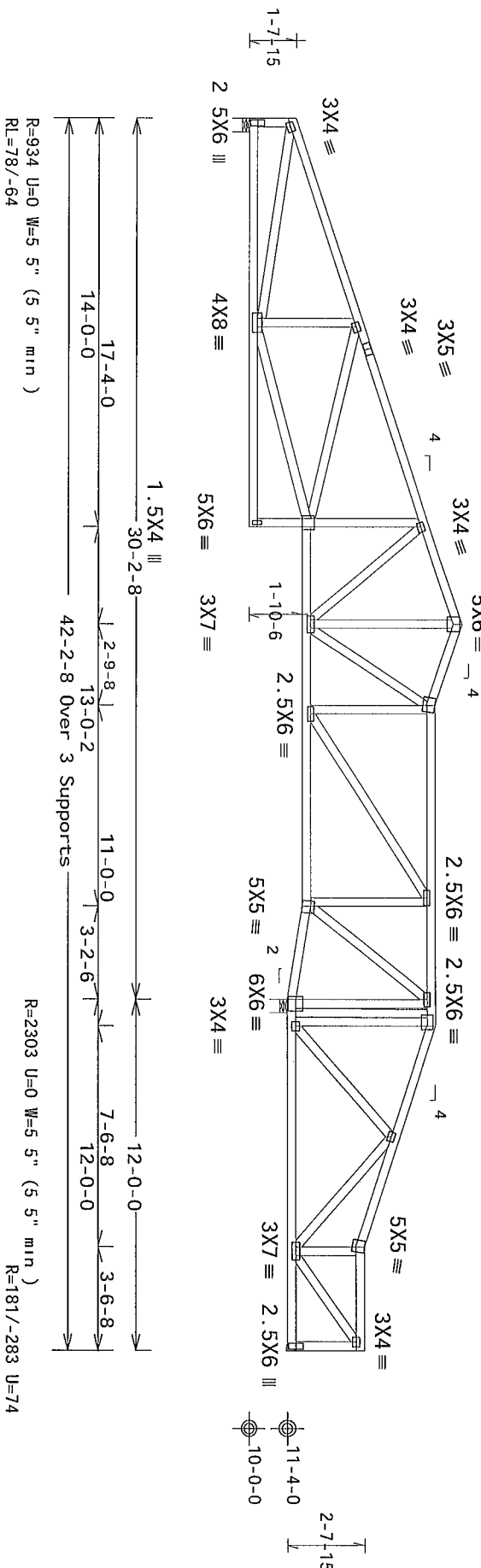
5X6
$$5 \times 6 \equiv 3 \times 4$$

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

Right end vertical not exposed to wind pressure

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

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 Gcpi(+/-)=0 18



PLT TYP. Wave

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

12. ~~03.04.03.26.13~~

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

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Tusness requ re extreme care n Fabr catng n hand ng n sp lng m etall ng and bracing follow the latest edition of BCSI (Bu d ng Component Safety Information by TPI and WTC) practices prior to perform ng these funct ons. Installers shall provide temporary bracing Unlss noted otherwise, top chord shall have properly attached structural sheathing and bottom chords shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (TBGCO) shall not be responsible for any deviation from any failure of bu d ng thrs n conformanc w th ANSI/TPI 1 or for hand ng snapping n de ns n unlss noted otherw se. Refer to drawings TBGA-2 for standard rated positions. A draw ng or cover page l st ng th s drawing l ndcates acceptance of professional eng neer ng responsibility solely for the design shop. The autabl ty and use of th s design for n s general notes page ITW-BGC www.tbwgco.com TPI www.tpi.net.org WTC www.sdcindustry.com CC www.ccsafe.org

TC LL	20.0 PSF	REF	R9114 - 2720
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCU8R9114 1333708
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEON -	335042
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF -	1V1V487_Z03

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

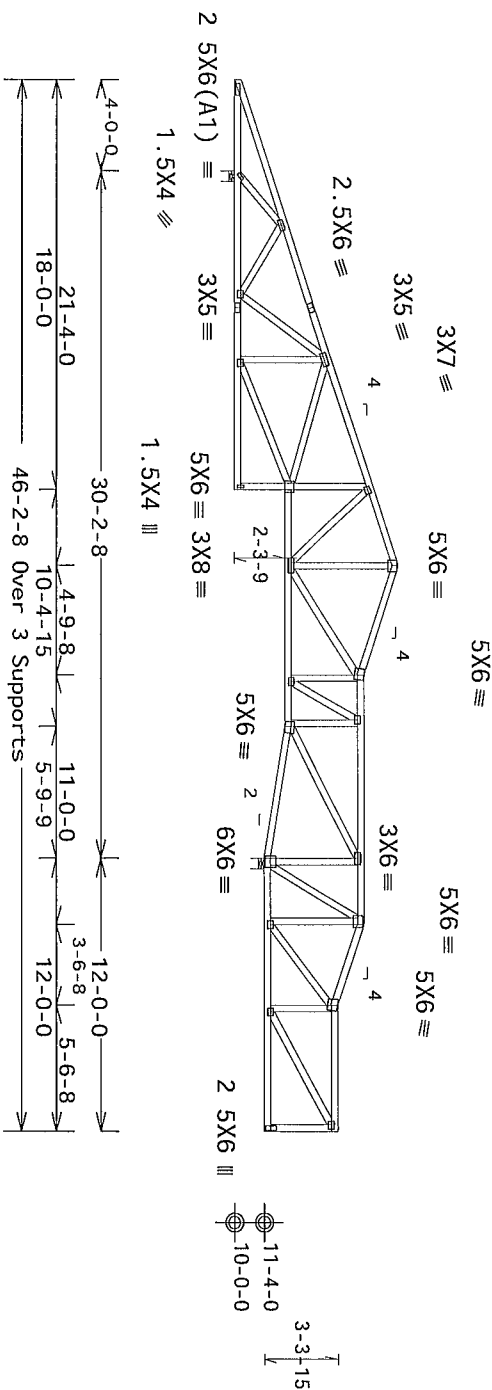
Left cantilever is exposed to wind

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.

These support conditions used at bearings indicated (H1) = LU24 w/ (2)2x6 SP M-26 supporting member
(4) SD9112, 0 131"x1 5" into supporting member
(2) SD9112, 0 131"x1 5" into supported 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.



Negative reaction(s) of -269# 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 13 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 MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

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

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

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

Note All Plates Are 3X4 Except As Shown

PLT TYP Wave

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

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

12-02-04-0326.13

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

Scale = .125"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** ****WARNING**** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 PRIOR LIST THIS DESIGN TO ALL CONNECTIONS, INCLUDING INSTALLERS.
 Trusses require extreme care in their cutting, handling, shipping, installing, and bracing
 to follow the latest edition of BCS1 (Building Component Safety Information by TPI and WTC).
 Practices prior to performing these functions. Installers shall provide temporary bracing
 for all trusses. Trusses shall be properly braced and bracing shall be removed after erection.
 Trusses shall have properly attached chord colling. Trusses shall have properly attached lateral bracing.
 Trusses shall have bracing installed per BCS1 sections B3, B7 or B10 as applicable.
 TPI Building Components Group Inc. (TPI/BCG) shall not be responsible for any deviation from
 any failure to build this truss in conformance with ANSI/TPI 1 or for handling, shipping, or
 details, unless noted otherwise. Refer to drawings TB04-2 for standard brace point notes. A
 drawing or cover page illustrating this drawing. The suitability and use of this design for any
 responsibility solely for the design shown. The suitability and use of this design for any
 the responsibility of the Building Designer. Per ANSI/TPI 1 Sec 2. For more information see
 general notes page. TPI/BCG www.tpiandw.com TPI www.tpi.net.org WTC www.shedindustry.org
 CDC www.cdc.org

TC LL	20.0 PSF	REF R9114- 2721
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUSR9114 13337082
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 335087
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 11V1V487_Z03

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 GCP1(+/-)=0 18

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

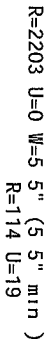
Right end vertical not exposed to wind pressure

Hanger specified assumes connection to supporting chord is located a 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 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.



H=H

Scale = .125"/Ft.

Orlando FL, 32837
FL COA #0278

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2722
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCU89114 13337063
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335062
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V1V487_Z03

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

Left cantilever is exposed to wind

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

Shim all supports to solid bearing

edge	MMWFRS loads based on trusses located at least 15 00 ft from roof edge
1	1.0
2	1.0
3	1.0
4	1.0
5	1.0
6	1.0
7	1.0
8	1.0
9	1.0
10	1.0
11	1.0
12	1.0
13	1.0
14	1.0
15	1.0
16	1.0
17	1.0
18	1.0
19	1.0
20	1.0
21	1.0
22	1.0
23	1.0
24	1.0
25	1.0
26	1.0
27	1.0
28	1.0
29	1.0
30	1.0
31	1.0
32	1.0
33	1.0
34	1.0
35	1.0
36	1.0
37	1.0
38	1.0
39	1.0
40	1.0
41	1.0
42	1.0
43	1.0
44	1.0
45	1.0
46	1.0
47	1.0
48	1.0
49	1.0
50	1.0
51	1.0
52	1.0
53	1.0
54	1.0
55	1.0
56	1.0
57	1.0
58	1.0
59	1.0
60	1.0
61	1.0
62	1.0
63	1.0
64	1.0
65	1.0
66	1.0
67	1.0
68	1.0
69	1.0
70	1.0
71	1.0
72	1.0
73	1.0
74	1.0
75	1.0
76	1.0
77	1.0
78	1.0
79	1.0
80	1.0
81	1.0
82	1.0
83	1.0
84	1.0
85	1.0
86	1.0
87	1.0
88	1.0
89	1.0
90	1.0
91	1.0
92	1.0
93	1.0
94	1.0
95	1.0
96	1.0
97	1.0
98	1.0
99	1.0
100	1.0

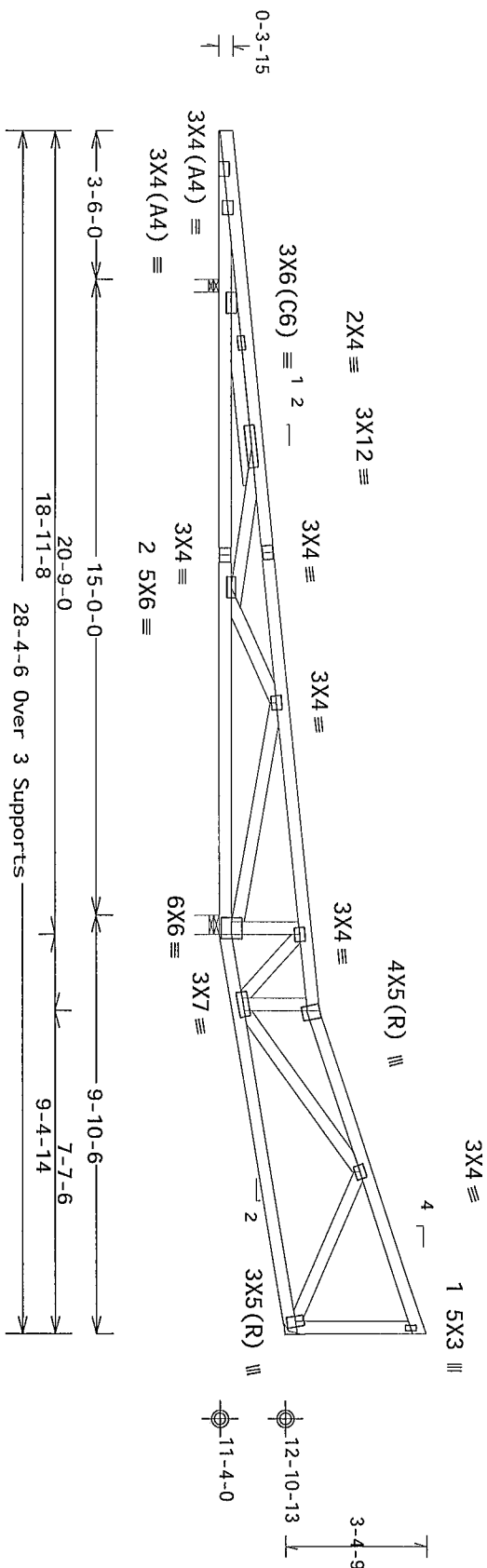
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

Right end vertical not exposed to wind pressure

(J) Hanger Support Required, by others

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



R=695 U=66 W=3 5" (3 5" min)
RL=67

R=1360 U=47 W=5 5" (5 5" min)

R=217 U=26
H=H1

PLT TYP. Wave

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

12.03.04.0326.13

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

Scale = .25"/Ft.

****IMPORTANT****
****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 #0278

[illegible]

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2723
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H098114 13337072
BC LL	0.0 PSF	HC-ENG	WHK/MMHK
TOT.LD	37 0 PSF	SEQN-	335026
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-21 24'10"6 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
Lt Stub Wedge 2x4 SP #3-13B

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

(J) Hanger Support Required, by others

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

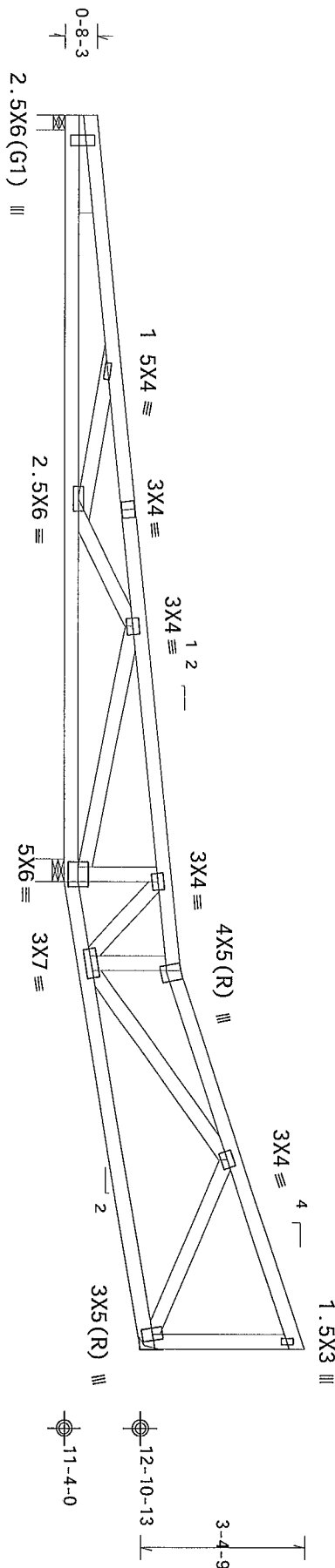
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9.00 ft from roof edge, RISK CAT II, EXP B, wind DL=3.5 psf,
wind BC DL=5.0 psf GCPI(+/-)=0.18

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

Shim all supports to solid bearing



PLT TYP. Wave

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

12.03.04.026.13

QTY:1

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

Scale = .3125"/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.
Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDA for
practices prior to performing these functions. Installers shall provide temporary bracing for
units noted otherwise. Top chord shall have proper bracing for permanent bracing and bottom
units shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from
any drawings or specifications shown above and on A. A. This drawing is the property of
ITW Building Components Group Inc. and shall not be reproduced without written permission.
Drawing of trusses. Apply plates to each face of truss and position as shown above. A
drawing of cover plate listing this drawing indicates acceptance of professional engineering
responsibility of the Building Designer per ANSI/TP1 Sec 2. For more information see
general notes page ITW-BDS www.tdweb.com TPI www.tpi.net.org WDA www.docindustry.com
100% ESIGNA ENGINEER

12.03.04.026.13

QTY:1

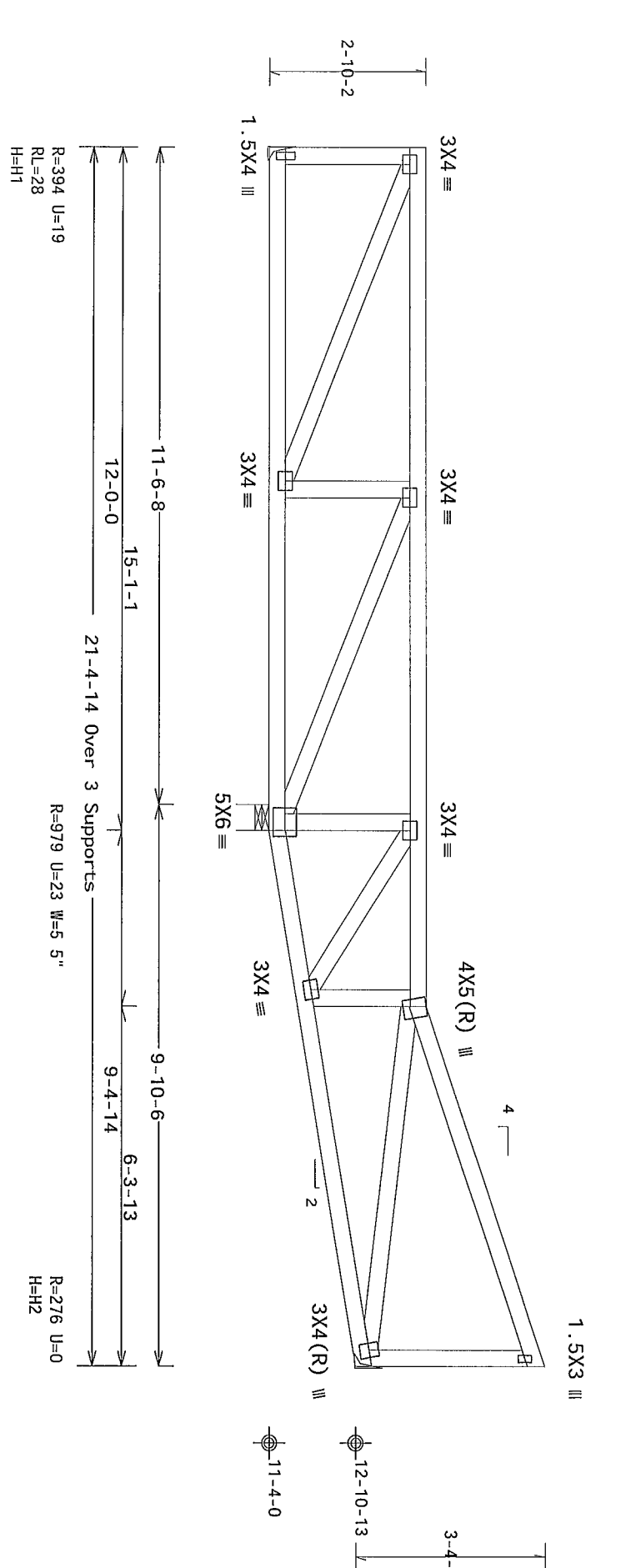
FL/-/5/-/-/R/-

Scale = .3125"/Ft.

12/04/2013

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
End verticals not exposed to wind pressure
In lieu of structural panels use purlins to brace all flat TC @ 24 OC
Deflection meets L/240 live and L/180 total load Creep increase Factor for dead load is 1.50

120 mph wind, 15.23 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
(J) Hanger Support Required, by others
(J) Hanger Support Required, by others
Bottom chord checked for 10.00 psf non-concurrent live load
Shim all supports to solid bearing
MMFRS loads based on trusses located at least 30.46 ft from roof edge



PLT TYP. Wave
Design Crit. FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)
12.03.04.03.26.13 QTY:1 FL/-/5/-/-/R/- Scale =.375"/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 fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) information on by TPI and WTC. For details on proper installation, refer to the BCSI manual. Local codes and building department requirements shall have a properly attached permit. Local codes and building department requirements shall have a properly attached permit. Local codes and building department requirements shall have a properly attached permit.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or construction of the truss system. The user of this design for any other purpose than that intended by ITWBCG is at their own risk. The user of this design for any other purpose than that intended by ITWBCG is at their own risk. The user of this design for any other purpose than that intended by ITWBCG is at their own risk.

ICC www.iccsafe.org

12.04.2013

12.04.2013

TC LL	20.0 PSF	REF R9114- 2725
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUSR9114 13337108
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD	37.0 PSF	SEQN- 335019
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-23 21 4 14 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

End verticals not exposed to wind pressure

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

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

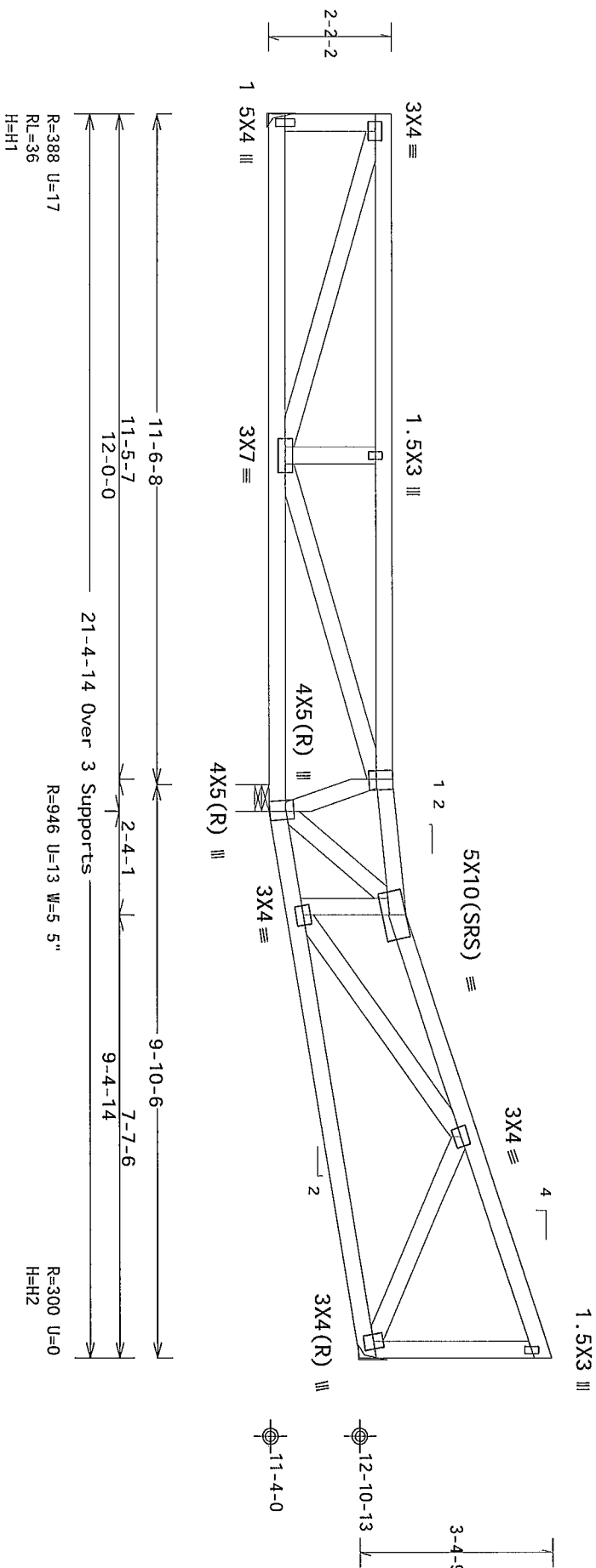
(J) Hanger Support Required, by others

(J) Hanger Support Required, by others

Bottom chord checked for 10.00 psf non-concurrent live load

Shim all supports to solid bearing

MMFRS loads based on trusses located at least 30.00 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 = .375"/Ft.

ALPINE

ITW Building Components Group Inc.

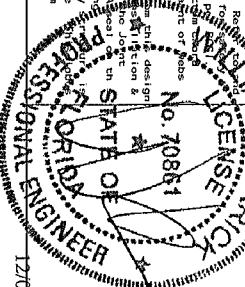
Orlando FL, 32837
FL COA #0278

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC. Practice prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. It is the responsibility of the contractor to ensure that the design is followed. Refer to drawings 180A-2 for standard plate positions. Drawing or cover page listing this design shows the suitability and use of this design for any general notes page. ITW-BCSI www.bcsi.org TPI www.tpi.net WTC www.wtcindustry.com



12/04/2013

TC LL	20.0 PSF	REF	R9114- 2726
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCSR9114 1333711
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SECON-	335072
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF -	1V1V487_Z03

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

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

Shim all supports to solid bearing

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

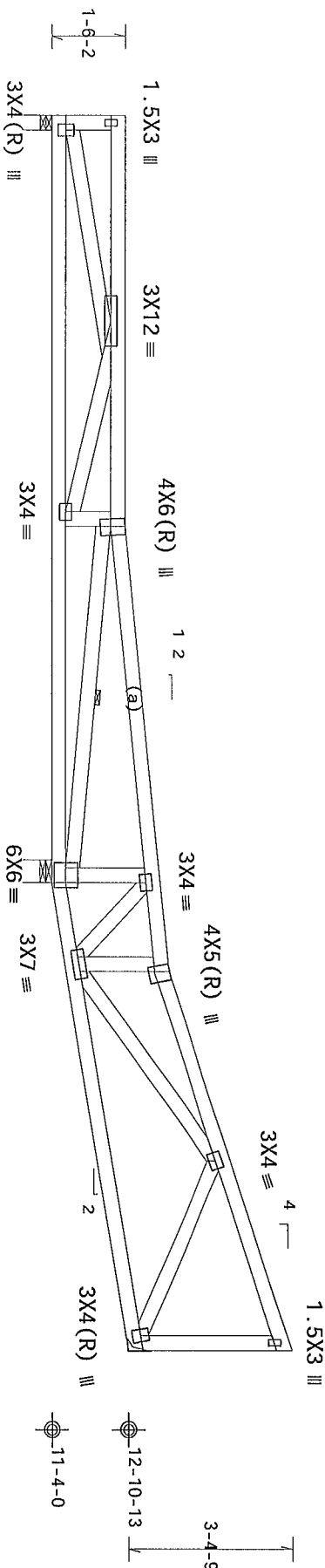
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

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

[illegible]

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 = .3125"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Trussers require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTCG) practices prior to performing these functions. Installers shall provide temporary bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

ITW Building Components Group Inc (ITWBCG) shall not be responsible for a

any failure to build the Trusts in conformance with ANSI/TPI 1 or for handling shipping
bracing of trusses. Refer to drawings 180A-2 for standard gable post on
Dach is unless noted otherwise. Refer to drawings 180A-2 for standard gable post on
drawing or cover plates illustrating this drawing. Indicates acceptance of professional engineer
responsibility solely for the design shown. For more information see ANSI/TPI 1 Sec 2.
The responsibility of the building design firm per ANSI/TPI 1 www.tpi.org
general notes page 17A-BDC www.taking.com WTCB www.steelindustry.com
ICC www.iccbuilder.org

12/04/2013

TC LL	20.0 PSF	REF	R9114 - 2727
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H05R9114 13337122
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335048
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-26 19 2' 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 and right cantilevers are exposed to wind

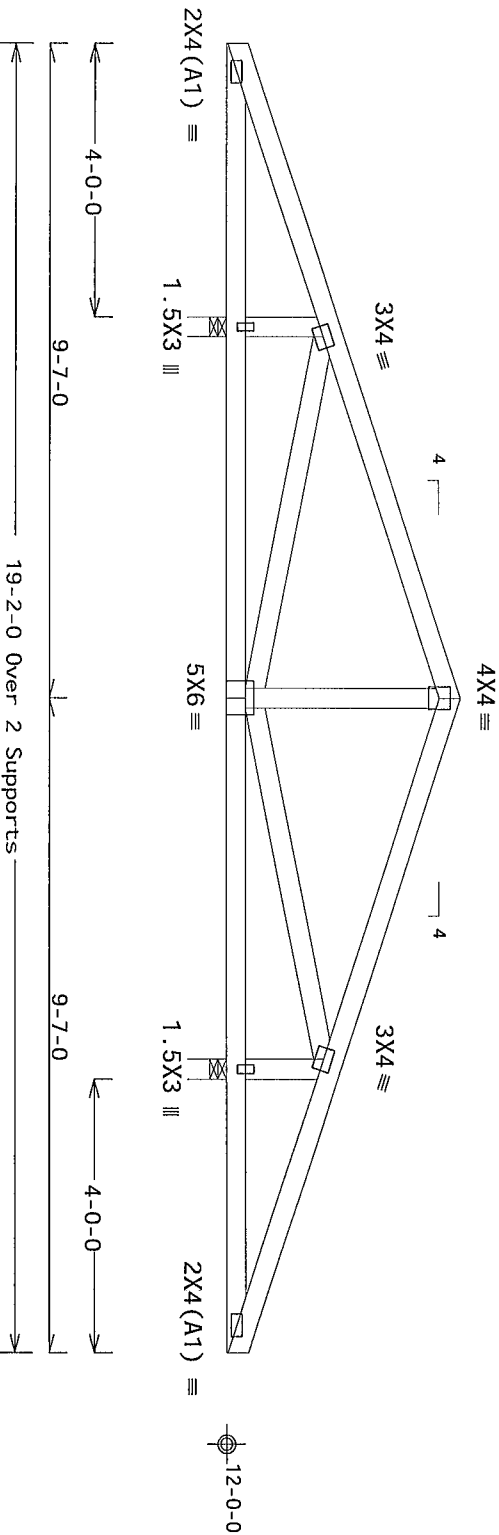
Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1.50

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 7.50 ft from roof edge



R=748 U=13 W=3.5" (3.5" min)
RL=40/-40

R=748 U=13 W=3.5" (3.5" min)

PLT TYP. Wave

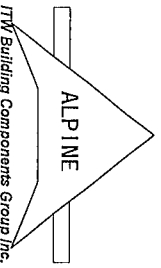
Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12.03.2013 12.03.26.13 QTY:1

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

Scale = .375"/Ft.

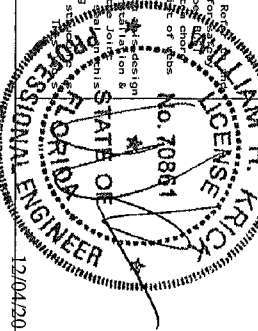
ALPINE



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 fabricating, handling, shipping, installing and bracing. Follow the latest edition of BSI (Building) practices prior to performing these functions. Installers shall provide temporary bracing per the drawings. Units noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BSI sections B3 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TP1 1 or for handling, shipping, installing or bracing of trusses. Apply braces to each face of truss and post as shown above and on the joint. This design drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see general notes page ITW-BCG www.itwbcg.com www.tp1inst.org WTC4 www.sbc industry.com IBC www.sbcinfo.org



TC LL	20.0 PSF	REF R9114- 2729
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUR9114 13337128
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON- 335465
DUR.FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V1V487_203

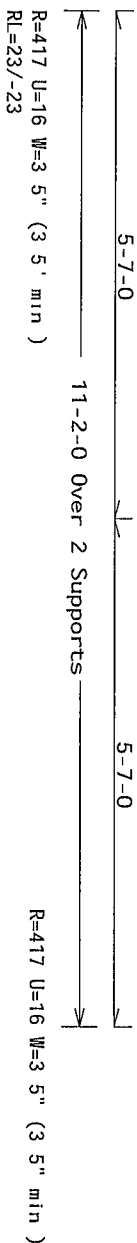
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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

factor for dead load is 1.50

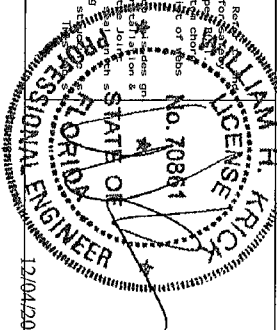


Scale = .5"/Ft.

REF R9114- 2730

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114- 2730
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCU89114 13337131
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335460
DUR. FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

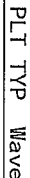
120 mph wind, 15.05 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCFI (+/-)=0.18

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

Deflection: $1/240$ in. and $1/180$ in.

factor for dead load is 1.50



12.03104140326.13

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

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0 278

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

Trussers require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCa).

practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI section 83.87 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation or failure to comply with the design and construction requirements of this specification, or any failure to build the trusts in conformance with the ANSI/IFPI 1 or 2 for handling shipping or breaking of trustees. Apply phrases to each one of trusts and post them as shown above and on the back of the trustee. The trustee shall be responsible for the design and construction of the trustee or cover panels. It is the responsibility of the design engineer and the acceptance of professional and non-professional engineers to ensure that the trustee is built and used in accordance with the design and construction requirements of the ANSI/IFPI 1 Sec 2. For more information see the general notes page. ITW BCG www.itwbcg.com www.printer.org www.steindustry.com
ITC www.itc.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. In the center, it says "No. 70861". The seal is stamped over a document with handwritten text. The word "NICK" is written vertically on the right side of the seal. The date "12/04/20" is written at the bottom left of the page.

~~12/04/2013~~

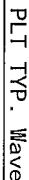
TC LL	20 0 PSF	REF	R9114- 2731
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	H05R9114 13357137
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	335490
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF -	1V1V487_Z03

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

120 mph wind, 23.08 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 MWRFS with additional C&C member design

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



12.03.04.0326.13

Scale = .5"/Ft.

工

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

1. These requirements are for fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCa) practices or to perform any these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom shall have a properly attached per BCSI section 63, 67 or 610 as applicable cable.

1.1W Building Components Group Inc. (WBCG) shall not be responsible for any deviation from any failure to build in accordance with the performance of W/ANSI/TPI 1 or for handling, shipping or any deviation from the design of the cable. The cable shall be installed above and on the drawing or cover plate listing the products. Refer to the drawings and catalog acceptance of professional engineer in the response b. by solely for the design and use of this design for any of the response b. by of the Building Design Group (BDG) per ANSI/TPI 1 Sec 2. For more information see general notes page 11W BCG www.bcbcg.com www.tpiinc.org www.stcindustry.com www.wtca.com

A circular professional seal for the State of Florida, Professional Engineer License No. 70861. The seal features the text "FLORIDA" at the top, "STATE OF" at the bottom, and "PROFESSIONAL ENGINEER" around the inner edge. The center contains "No. 70861". A signature is written across the seal.

01/04/2013

TC LL	20 0 PSF	REF	R9114- 2732
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HGUSR9114 13337139
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD	37 0 PSF	SEQN-	335509
DUR. FAC.	1 25	FROM	JMMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

3 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131"x3" min nails
Top Chord 1 Row @11 75" o c
Bot Chord 1 Row @12 00" o c
Webs 1 Row @ 4" o c

Repeat nailing as each layer is applied Use equal spacing between rows and stagger nails in each row to avoid splitting

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 Gcpl(+/-)=0 18

Wind loads and reactions based on MWFRS

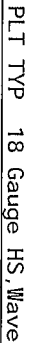
Right end vertical not exposed to wind pressure

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.22" due to live load and 0.30" due to dead load

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.



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

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**** UNIFORM THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Tusnefs requ re extreme care in fabricating handling shipping installing and bracing
follow the latest edition of BCSI (Build up Component Safety) Information on by TPI and WTCA)
practices prior to performing these functions Installers shall provide temporary bracing
Units must not be subjected to torsion or bending stresses Properly attached structural sheathing and bolting
shall have bracing installed per BCSI specifications BSI 8700-100 as applicable
1TB Building Components General Note (LTHBGC) shall apply to all responsibilities and details on drawings
Any failure to build the truss in conformance with ANSI/TPI 1-1 for horizontal shear shall be
bearing of trusses Apply criteria to each piece of truss and post on as shown above and on
Drawings unless noted otherwise Refer to drawings TB6A-Z for standard plate points
Drawing covering page listing all drawing indicates acceptance of project and engineering means
the responsibility of the Build up Designer per ANSI/TPI 1-1 Sec 2 For more information see
general notes page 1TB-BGC www.tlmboc.com TPI www.tpiinc.org WTCA www.sbc-industry.com
CDC www.cdcscap.org

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114 - 2734
TC DL	7.0 PSF	DATE	12/04/13
BC DL	10.0 PSF	DRW	H05R9114 13338003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335768
DUR FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

Webs 2x4 SP #3-13B W8 2x4 SP #2-13B

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

Special loads

Run	Conc	Load	Dur	Fac = 1.25 /	Plate	Dur	Fac = 1.25
TC-From	27 p1f at	0 00 to	27 p1f at	4 33	27 p1f at	4 33	
TC-From	27 p1f at	4 33 to	27 p1f at	9 33	27 p1f at	9 33	
TC-From	10 p1f at	0 00 to	27 p1f at	13 66	27 p1f at	13 66	
BC-From	27 p1f at	0 00 to	10 p1f at	13 66	10 p1f at	13 66	
BC-1577	69 1b Conc	Load at	1 06				
BC-181	25 1b Conc	Load at	3 06				
BC-190	71 1b Conc	Load at	5 06				
BC-114	49 1b Conc	Load at	7 06				
BC-3788	96 1b Conc	Load at	7 93				
BC-394	13 1b Conc	Load at	10 06				
BC-387	67 1b Conc	Load at	12 06				

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0 131"x3", min nails

1op chord	1 Row	@ 12 00	0 cc
Bot Chord	1 Row	@ 3 25"	0 cc

1 Row @ 4" o c

use equal spacing between rows and stagger them in each row to avoid splitting

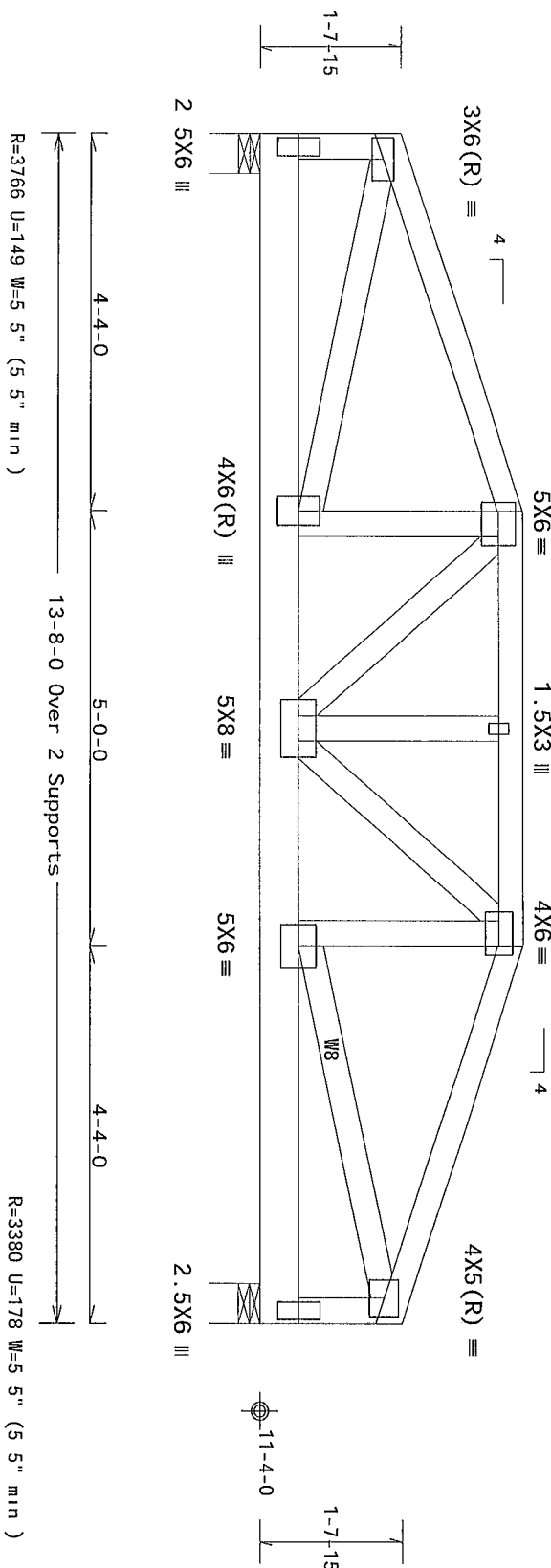
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCp1(+/-)=0 18

Wind loads and reactions based on MMFRS

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



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

****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, installing and bracing, follow the latest edition of BCOS (Building Component Safety Information by TPI and WTCB), practices prior to performing these functions. Installers shall provide temporary bracing. Unless noted otherwise, post chord shall have properly attached structural sheathing and boards shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCOS section 83, 87 or 810 as applicable.

[illegible]

WILLIAM H. KRICK
LICENSE

TC LL	20 0 F
TC DL	7.0 F

REF	R9114-	2735
DATE	12/04/13	

BC DL	10.0 F
BC LL	0.0 F

DRW HCUSR9114 13338004
HC-ENG WHK/WHK

TOT LD.	37.0 F
DUR.FAC.	1.25

SEQN- 335774
FROM JMW

SPACING	24 0"	JREF- 1V1V487_Z03
---------	-------	-------------------

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

2 COMPLETE TRUSSES REQUIRED

10p Chord	1 Row	@12 00	o c
Bot Chord	1 Row	@12 00	o c

1 Row @ 4" o c
Use equal spacing between rows and stagger nails in each row to avoid splitting

in each row to avoid splintering
4" o c spacing of nails perpendicular and parallel to
grain required in area over bearings greater than 4"

Negative reaction(s) of -218# MAX (See below) from a non-wind load case requires uplift connection

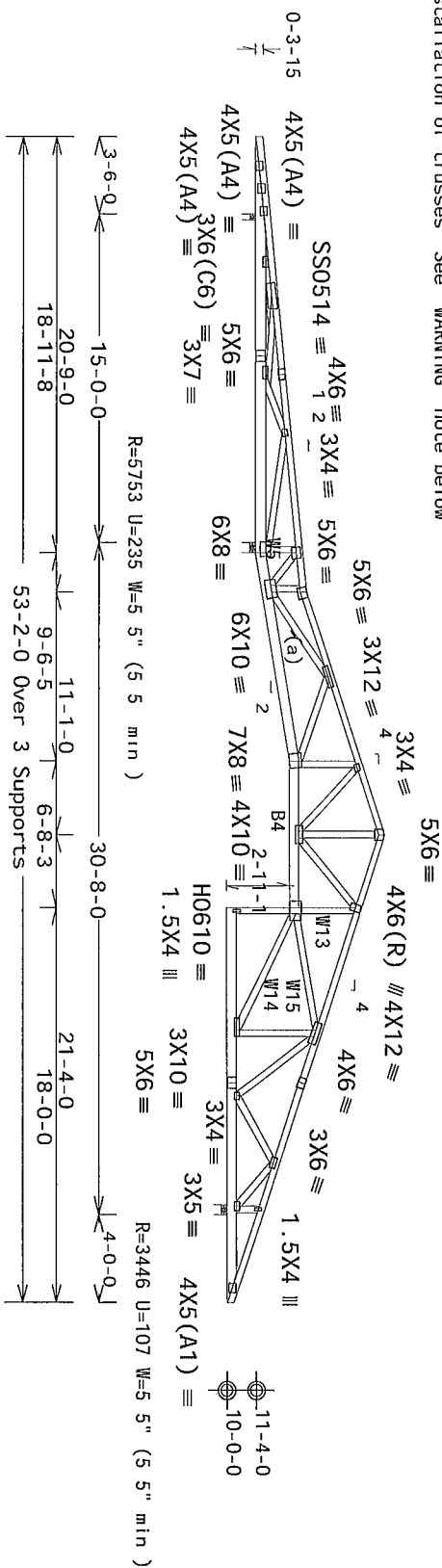
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gcpi(+/-)=0 18

Wind loads and reactions based on MMFRS

Left and right cantilevers are exposed to wind

(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



R=290/-218 U=23 W=3 5' (3 5" min)

PLT TYP	20 Gauge HS, 18 Gauge HS, Wave	Design Crit	FBC2010Res/TP1-2007(STD) 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

Trusses requiring extreme care in fabricating, handling and piling, installing and bracing, shall be designed and fabricated in accordance with the provisions of the following the latest edition of BCSI (Building Component Safety) Information by BCSI and WTA and WTA shall be responsible for providing the necessary information to the contractor. The contractor shall provide temporary bracing and shoring for all trusses and shall be responsible for performing these functions. Installers shall provide temporary bracing and shoring for all trusses and shall be responsible for performing these functions. Unless noted otherwise, two chord shall have properly attached structural sheathing and shall have a properly attached rigid ceiling. Each end on show for permanent lateral restraint shall have bracing installed per BCSI sects one 63, 67 or 810 as applicable.

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from the drawings or specifications for the products or materials used in the construction of any structure to build the truss in conformance with ANSI/TPI 1 or for handling or shipping the truss.

brazing of crusses Apply plates to each face of cruss as shown above and below and secure with bolts. Drill holes 100% of diameter.

Details unless noted otherwise. Refer to drawings 1004-2 for standard plate positions 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 the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information

general notes page 1TW-8CG www 1twbcg.com TP1 www tpinst.org WTCA www sbcindustry
icc www ccscatc.org

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

~~12/04/2013~~

TC LL	20.0 PSF	REF	R9114- 2736
TC DL	7.0 PSF	DATE	12/04/13
BC DL	10.0 PSF	DRW	H05R9114 13338006
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	335771
DUR. FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1V1V487 Z03

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, 16 29 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

(J) Hanger Support Required, by others
(J) Hanger Support Required, by others

Truss must be installed as shown with top chord up

The TC of this truss shall be braced with attached spans at 24' OC in lieu of structural sheathing

Special loads
Number Dur Fac =1.25 / Plate Dur Fac =1.25)

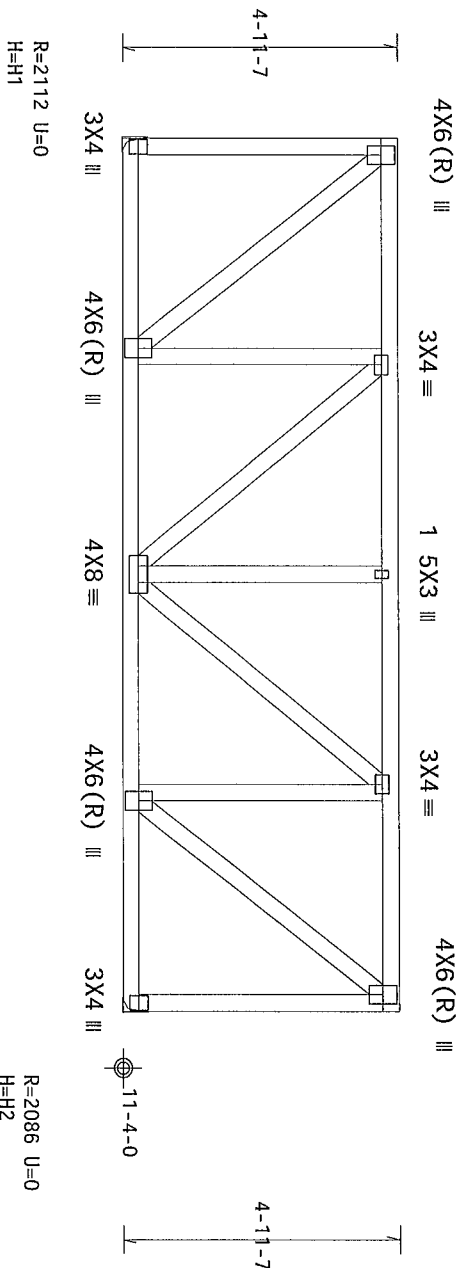
	Load at	2 06,	4 06,	6 06,	7 28
BC-518 63 lb Conc	0 00 to	10 pif	at 15 34		
From	0 00 to	10 pif	at 15 34		
TC-From	0 00 to	27 pif	at 15 34		
27 pif at	0 00 to	27 pif	at 15 34		
Clamber	27 pif at	20 00	to 27 pif	at 15 34	

Wind loads and reactions based on MWFRS

End verticals 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



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 = 3125"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

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

These requirements are in fabricating, handling, splicing, installing and bracing. Review the latest edition of BCS1 (Building Component Safety Information by TPI and WFO) and follow the latest edition of BCS1. Installers shall provide temporary bracing for all structural members prior to performing these functions. Installers shall provide temporary bracing for all members other than top chord shall have properly attached structural sheathing and bottom chord shall have three (3) attached per BCS1 section 8.3. Local ones shown for permanent lateral restraint of chord shall have three (3) installed per BCS1 section 8.3. BT or OCS as applicable.

[illegible]

12/04/2013

TC LL	20.0 PSF	REF	R9114- 2737
TC DL	7.0 PSF	DATE	12/04/13
BC DL	10 0 PSF	DRW	H05R9114 13338005
BC LL	0.0 PSF	HC-ENG	WHK/MMHK
TOT.LD.	37.0 PSF	SEQN-	335765
DUR.FAC.	1.25	FROM	JMMV
SPACING	24.0"	JREF-	1V1V487_Z03

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

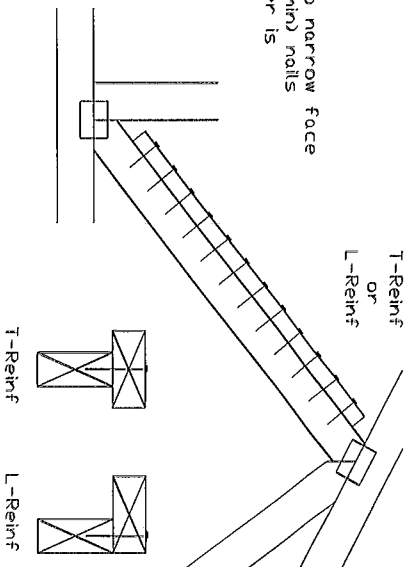
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x5	1 row	2x4	1-2x5
2x5	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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

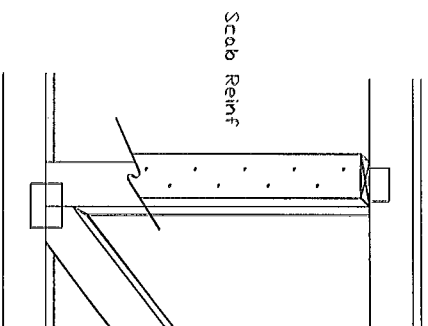
T-Reinforcement or L-Reinforcement

Apply to either side of web narrow face Attach with 10d (0128"x30",min) nails at 6" o.c Reinforcing member is a minimum 80% of web member length



Scab Reinforcement

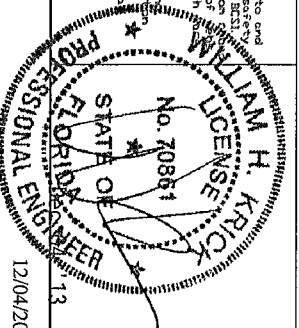
Apply (scabs) to wide face of web. No more than (1) scab per face Attach with 10d (0128"x30",min) nails at 6" o.c Reinforcing member is a minimum 80% of web member length.



Building Components Group Inc.

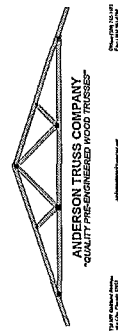
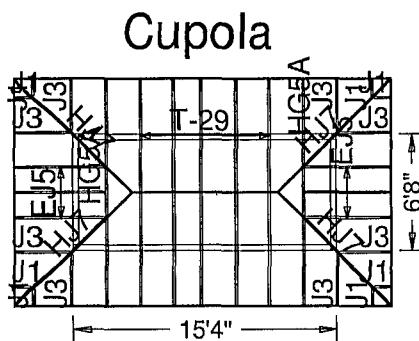
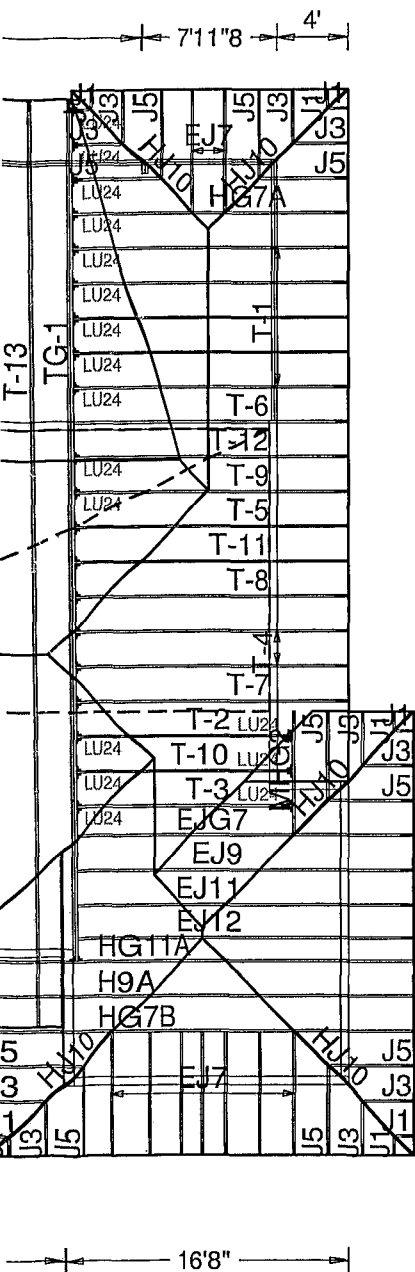
Earth City MO 63045

***IMPORTANT! READ AND FOLLOW ALL NOTES ON THIS DRAWING. THIS DRAWING IS THE PROPERTY OF BCGI AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT PERMISSION IN WRITING FROM BCGI. BCGI SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY, INCLUDING THE CONSTRUCTION OF THE STRUCTURE, ARISING FROM THE USE OF THIS DRAWING. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROPER INSTALLATION AND MAINTENANCE OF THE STRUCTURE. BCGI SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY, INCLUDING THE CONSTRUCTION OF THE STRUCTURE, ARISING FROM THE USE OF THIS DRAWING. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROPER INSTALLATION AND MAINTENANCE OF THE STRUCTURE.



12/04/2013

TC LL	PSF	REF	CLR Subst
TC DL	PSF	DATE	8/15/13
BC DL	PSF	DRWG	BRCLBSUE0813
BC LL	PSF		
TOT LD	PSF		
DUR FAC.			
SPACING			



Created : 12-04-2013
: <Not Found>

Customer: Fill in later
Job Name: Anita and Jerry West Resi
Job Numb: 13-285
Designer: ColeMan Burlingame
Salesman: Curt V Burlingame

JOB NO:
13-285

PAGE NO:
1 OF 1