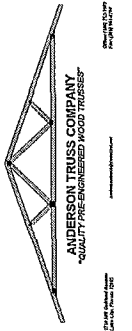


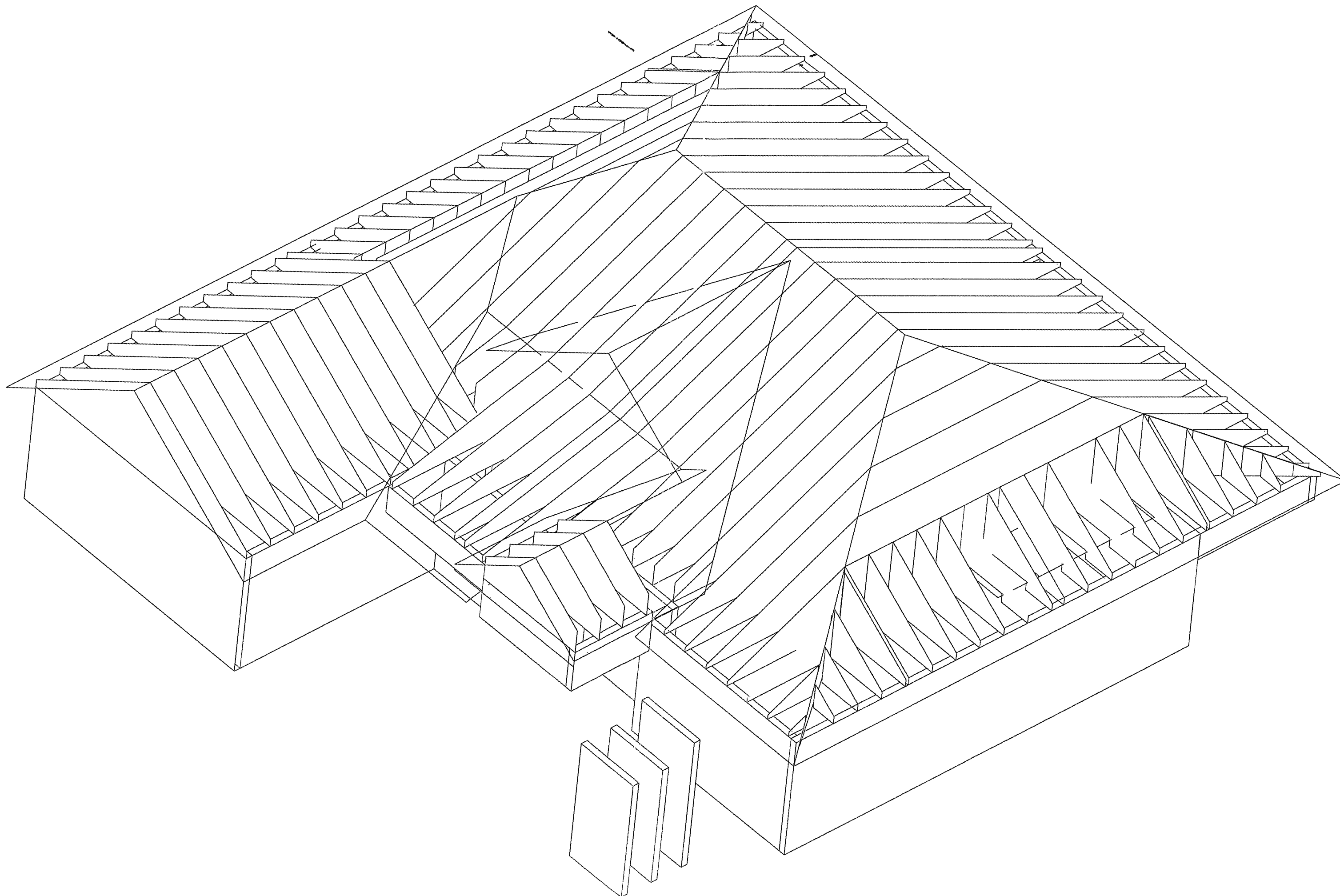
: Burke
Created : 04-07-2014
: <Not Found>

Customer: BRYAN ZECHER
Job Name: Burke House
: The Preserves
Job Numb: 14-045B
Designer: Josh Anderson
Salesman: Curt V Burlingame

JOB NO:
14-045B

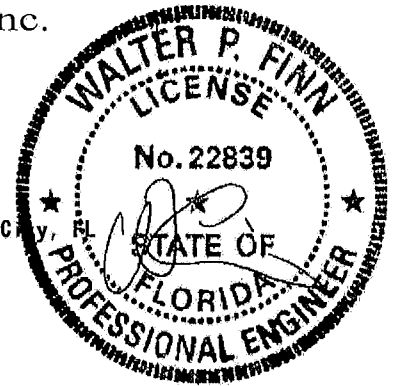
PAGE NO:
1 OF 1





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 1V5C487-Z0207105429



Truss Fabricator **Anderson Truss Company**
Job Identification **14-045B--BRYAN ZECHE /Burke House -- The Preserves Lake C**
Truss Count **32**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Res/TPI-2007(STD)**
Engineering Software **Alpine Software, Versions 12.03, 13.02.**
Structural Engineer of Record **The identity of the structural EOR did not exist as of**
Address **the seal date per section 61C15-31.003(5a) of the FAC**
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -Closed

04/07/2014

Notes

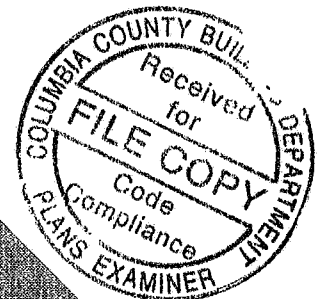
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

Walter P Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-

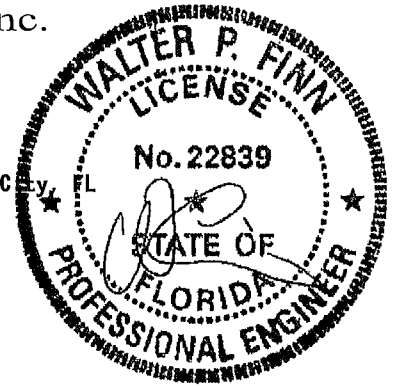
#	Ref	Description	Drawing#	Date
1	15781--A	40' Mono Hip	14097009	04/07/14
2	15782-A1	48' 5'8" Mono H	14097027	04/07/14
3	15783-A2	48' 5'8" Common	14097001	04/07/14
4	15784-A3	48' 5'8" Common	14097040	04/07/14
5	15785-A4	41' 2" Special	14097011	04/07/14
6	15786--B	8' 9" Common	14097026	04/07/14
7	15787--BDG	8' 9" Gable	14097002	04/07/14
8	15788--C	20' 4" Common	14097017	04/07/14
9	15789--C1	20' 4" Common	14097025	04/07/14
10	15790--CDG	20' 4" Common	14097014	04/07/14
11	15791--CJ	1' 4'3" Jack	14097019	04/07/14
12	15792--CJ1	1' 10'14" Jack	14097023	04/07/14
13	15793--CJ2	4' 0'3" Jack	14097018	04/07/14
14	15794--CJ3	3' 4'14" Jack	14097022	04/07/14
15	15795--CJ4	6' 8'3" Jack	14097016	04/07/14
16	15796--CJ5	4' 10'14" Jack	14097021	04/07/14
17	15797--CJ6	6' 4'14" Jack	14097020	04/07/14
18	15798--EJ7	6' 8" End Jac	14097024	04/07/14
19	15799--EJ7T	6' 8" End Ja	14097012	04/07/14
20	15800--HJ7	11' 8" Hip Ja	14097010	04/07/14
21	15801--HJ7A	11' 8" Hip J	14097041	04/07/14
22	15802--HJ7B	11' 8" Hip J	14097042	04/07/14
23	15803--H7A	43' 8" Stepdo	14097043	04/07/14
24	15804--H9A	43' 8" Stepdo	14097004	04/07/14
25	15805--H11	40' Mono Hip	14097006	04/07/14
26	15806--H11A	43' 8" Stepd	14097003	04/07/14
27	15807--H13	40' Mono Hip	14097007	04/07/14
28	15808--H13A	43' 8" Stepd	14097013	04/07/14
29	15809--H15	40' Mono Hip	14097008	04/07/14
30	15810--H15A	41' 2" Stepd	14097015	04/07/14
31	15811--MH7	40' Mono Hip	14097028	04/07/14
32	15812--MH9	40' Mono Hip	14097005	04/07/14



ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Page 1 of 1 Document ID 1V5C487-Z0207105429

Truss Fabricator **Anderson Truss Company**
Job Identification **14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL**
Truss Count **1**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Res/TPI-2007(STD)**
Engineering Software **Alpine Software, Versions 12.03, 13.02.**
Structural Engineer of Record
Address
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -Closed



Notes

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

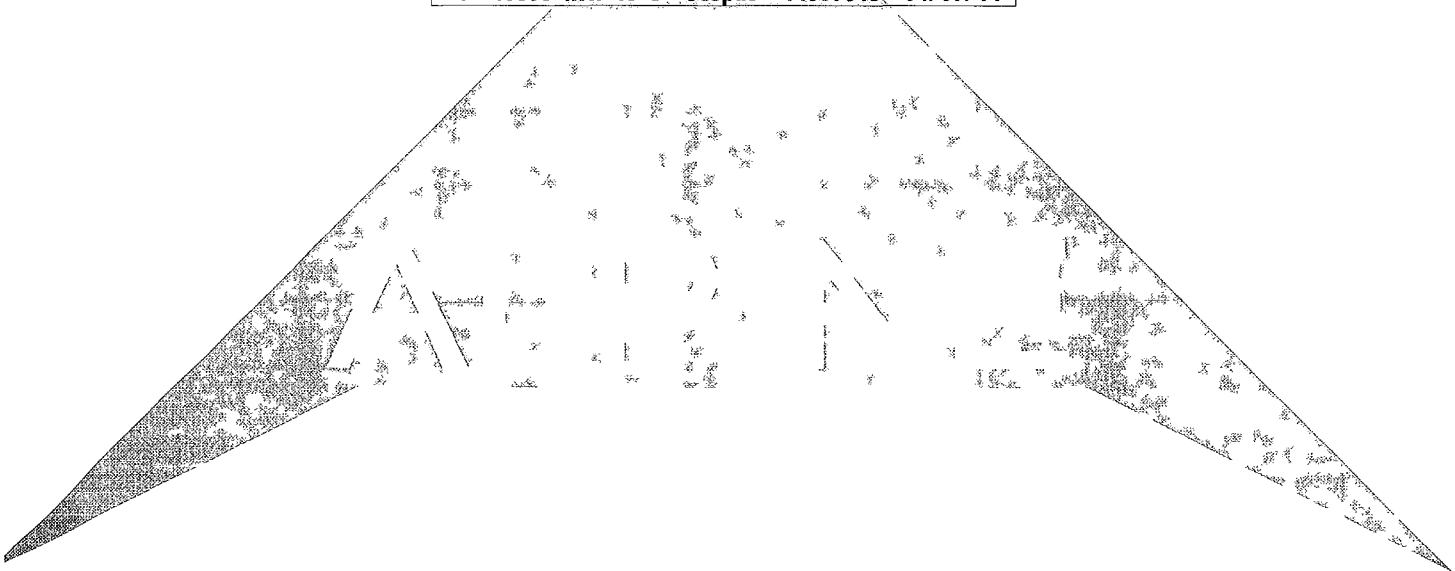
04/07/2014

-Truss Design Engineer-
Walter P. Finn

1950 Marley Drive
Haines City, FL 33844

Revised Trusses

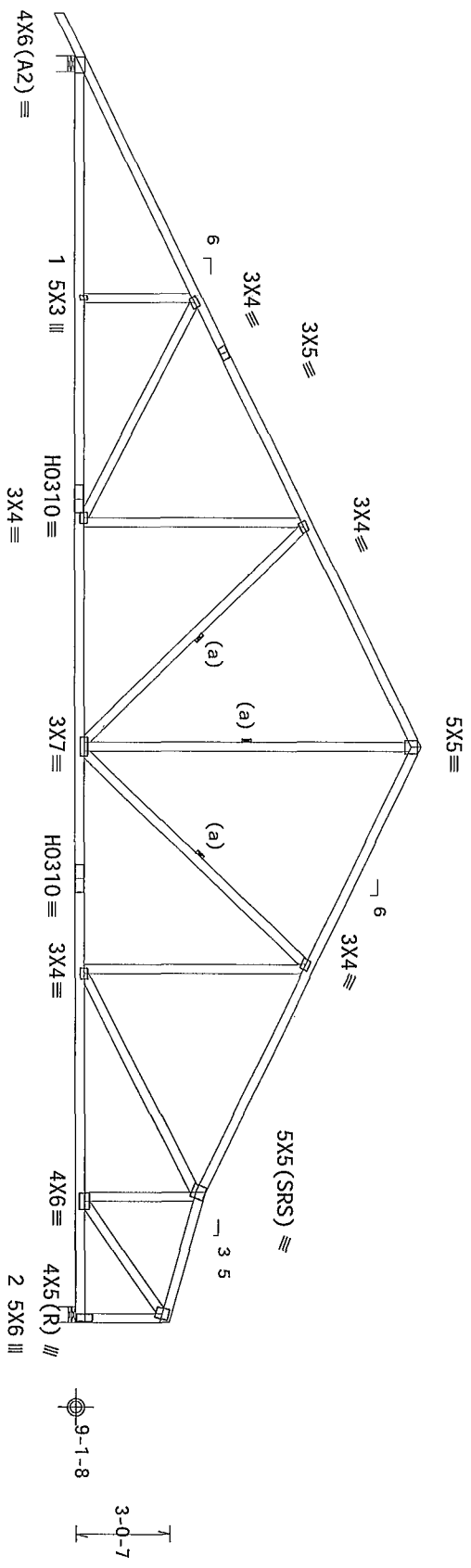
#	Ref	Description	Drawing#	Date
1	15803-H7A	43'8" Stepdo	14097043	04/07/14



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 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

(a) Continuous lateral restraint equally spaced on member
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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50
MMFRS loads based on trusses located at least 15.00 ft from roof edge



1'-4'-0"
21'-10'-0"
40'-0'-0" Over 2 Supports
14'-0'-11"
4'-1'-5"
R=1716 U=0 W=6"
RL=163/-152
R=1640 U=0 W=6"

PLT TYP 20 Gauge HS, Wave
Design Crit. FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)
12.03.04
QTY: 2
FL/-/5/-/1-/R/-
Scale = .1875"/Ft.

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCS1 (Building Component Safety Information by TPI and WFO) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or web 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 this design and specifications. The user of this design shall be responsible for any deviation from this design and specifications. Drawings apply to each face of trusses and position as shown. A seal on this drawing or cover page 1 of this drawing indicates acceptance of professional engineering responsibility by the designer. The seal is the responsibility of the designer. This job is the responsibility of the designer. For more information on seal, see ITWBCG website at www.itwbcg.com or call 1-800-368-7771. ITWBCG website at www.itwbcg.com

WALTER P. FINN
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER

04/07/2014

TC LL	20.0 PSF	REF R9114- 15781
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUS9114 14097009
BC LL	0.0 PSF	HC-ENG SSB/MPF
TOT. LD.	37.0 PSF	SEON- 364447
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V5C487_202

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

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

MMFRS edge	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
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99	1.0
100	1.0

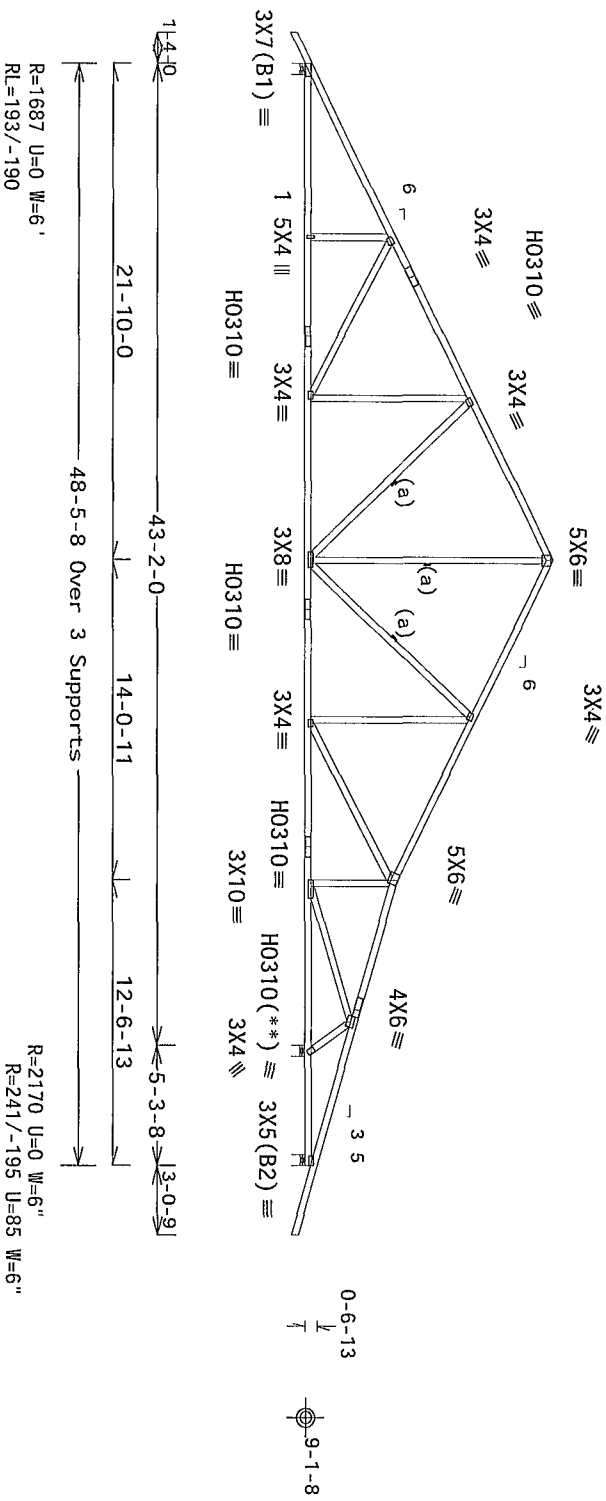
Negative reaction(s) of -195# MAX (See below) from a non-wind load case requires uplift connection

(**) 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 I1, 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

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.



PLT TYP 20 Gauge HS, Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

12 03.04.2014

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

Scale = .125"/Ft.

ALPINE

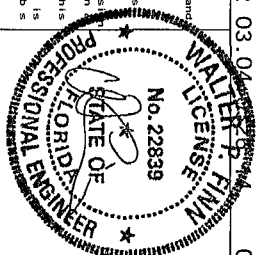
ITW Building Components Group Inc
Orlando FL, 32837
FL COA #0 278

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

These rules are extremely rare in building any handing shipping installation and bracing. Refer to and follow the latest edition of BCS (Building Component Safety Information on by TPI and WTCO) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1 unless noted otherwise. Top chord shall have properly attached structural sheath and bottom chord shall have a properly installed per BCS1 section. Locations shown for permanent lateral restraint of webs shall have bracing indicated per BCS1 sections B3, B7 or B10 as applicable.

17W BuLiding Components Group Inc. (17WBCG) shall not be responsible for any deviation from this design. In order to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation any TPI BuLiding Component shall be used. The use of any other product or material is not allowed. The design of this truss is based on the use of 17WBCG products. Refer to the 17WBCG website for more information on this design and cover page 1. Letting to draw on and enter acceptance of professional engineering. The responses shall be solely for the design shown. The use of this design for any other structure is the responsibility of the user. The responses shall be solely for the design shown. For more information on see this job's general notes page. 17W BCG www.17wbcg.com TPI www.tpi.com WTCO www.stcindustry.com

www.17wbcg.com



04/07/2014

TC LL	20.0 PSF	REF	R9114- 15782
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097027
BC LL	0.0 PSF	HC-ENG	SSB/M/PF
TOT. LD.	37.0 PSF	SEQN-	364448
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

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

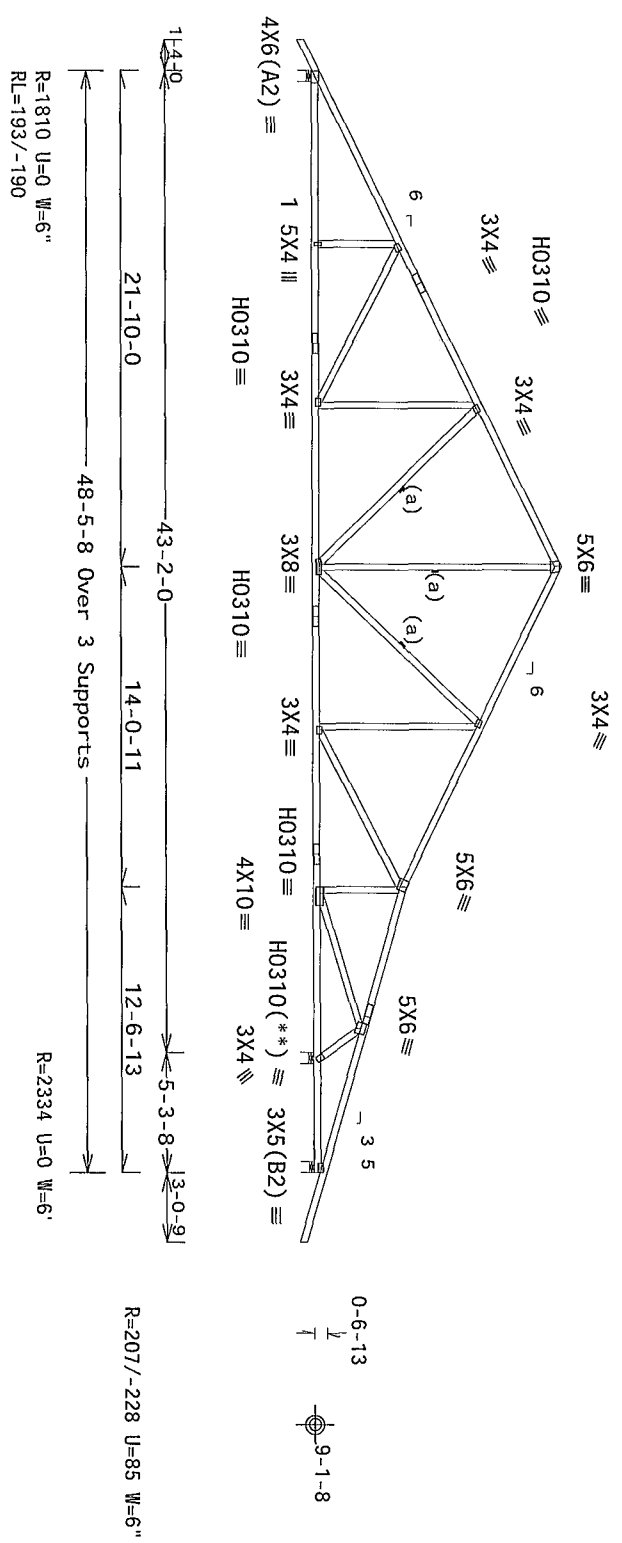
(a) Continuous lateral restraint equally spaced on member

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

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

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 -228# MAX (See below) from a non-wind load case requires uplift connection
(**) 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 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
MMFRS loads based on trusses located at least 15 00 ft from roof edge

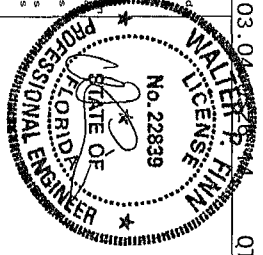


PLT TYP 20 Gauge HS, Wave Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0)

ALPINE

Orlando FL 32837
FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WPCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. All connections shown for permanent lateral restraint of webs shall have bracing installed per BCSI Section B3, B7 or B10 as applicable.
The Building Components Group Inc. (TPI/BCSI) shall not be responsible for any deviation from this design and any use of this design for any other purpose. The user shall be responsible for any deviation from this design and any use of this design for any other purpose. Refer to drawings 1004-Z for standard plate positions. A seal on this drawing or cover page listing this design indicates acceptance of professional engineering near the response liability for the design shown. The seal shall be used for any structure. This seal is not a general notice of approval. For more information, visit the website: www.tpi.com or www.bcsi.com. This job is under the jurisdiction of the Florida Board of Professional Engineers. TPI www.tpi.com WPCA www.wcpa.com



QTY: 2	FL/-/5/-/-/R/-	Scale = .125"/Ft.
TC LL	20.0 PSF	REF R9114- 15783
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14097001
BC LL	0.0 PSF	HC-ENG SSB/MPIF
TOT. LD	37.0 PSF	SEQN- 364449
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1VSC487_202

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

Negative reaction(s) of -406# MAX (See below) from a non-wind load
*** case requires uplift connection

(1) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance

within 13 00 ft from roof edge. K15K CAI 11, EXP B, wind 10 DL=3.2 psf, wind BC DL=5.0 psf GCPI (+/-)=0.18

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

(a) Continuous lateral restraint equally spaced on member due to dead load

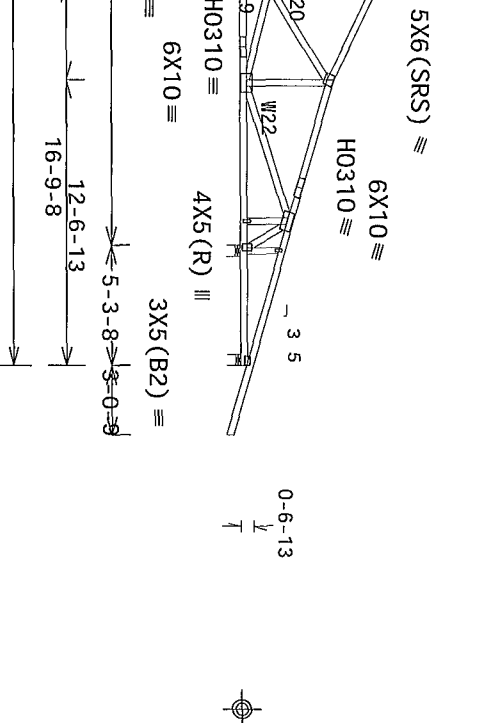
Truss passed check for 20 psf additional bottom chord live load in areas with 42'-high x 24'-wide clearance

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

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

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

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



R=2761 U=0 W=6"

R=66/-406 U=136 W=6"

12 03 04 1995

$$FT/RT=20\%(0\%)/10(0)$$

12 03.04.2014

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

Scale = .125"/Ft.

04/07/2014

TC LL	20.0 PSF	REF	R9114- 15784
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	H0USE#9114 14097040
BC LL	0.0 PSF	HC-ENG	JB/WPFI
TOT. LD	37 0 PSF	SEQN-	364585
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

Lumber grades designated with 138 use design values approved 1/30/2013 by ALSC

```

-----
TC-  Lumber Dur Fac = 1.25 / Plate Dur Fac = 1.25
TC-  From 56 pif at -1.33 to 56 pif at 9.31
TC-  From 56 pif at 9.31 to 56 pif at 21.83
TC-  From 56 pif at 21.83 to 56 pif at 30.78
TC-  From 56 pif at 30.78 to 56 pif at 41.17
TC-  From 41 pif at -1.33 to 41 pif at 0.00
BC-  From 20 pif at 0.00 to 20 pif at 11.33
BC-  From 20 pif at 11.33 to 20 pif at 16.83
BC-  From 60 pif at 16.83 to 60 pif at 17.67
BC-  From 60 pif at 17.67 to 60 pif at 19.08
BC-  From 20 pif at 19.08 to 20 pif at 23.92
BC-  From 20 pif at 23.92 to 20 pif at 23.92
BC-  From 60 pif at 23.92 to 60 pif at 31.67
BC-  From 20 pif at 31.67 to 20 pif at 41.17
BC-  200 00 1b Conc Load at 9 67

```

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

(1) - Plates to marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

(**) 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 edge, RISK Cat II, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCpl (-/-)=0 18

Calculated horizontal deflection is 0 12" due to live load and 0 14" due to dead load

(a) Continuous lateral restraint equally spaced on member

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

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

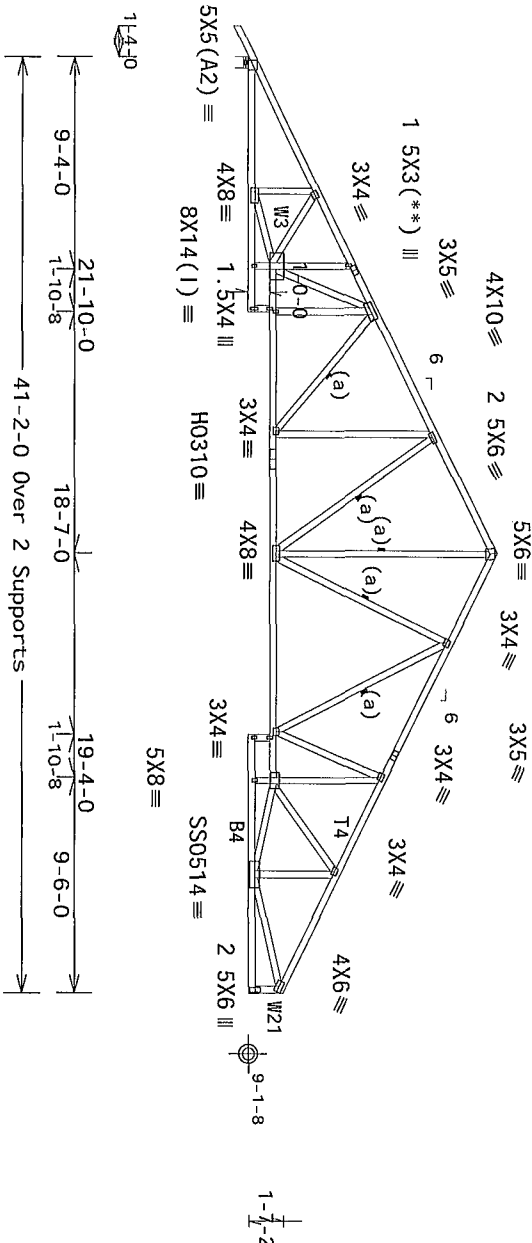
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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

(H1) = Simpson

(H2) = (L) Hanger not calculated

These hangers and support conditions used at bearings indicated



R=1906 U=0 W=6"
RL=1772/-170

R=1732 U=0
H=H1

Note All Plates Are 1 5X3 Except As Shown	
PLT TYP 20 Gauge HS, 18 Gauge HS, Design Crit	FBC2010Res./TP1-2007(STD),
Wave	FT/RT=20%(%) /10(0)

$$\text{FT/RT} = 20\%(0\%) / 10(0)$$

12 03.04 0325 14

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

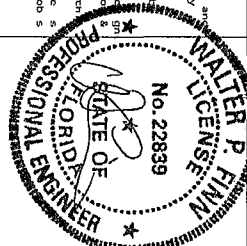
Scale = .125"/Ft.

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

Tensides require extensive care in fabricating and handling shipping, installing and bracing. Refer to any of the following sources for more information: *Handbook of Tensile Design*, by TPI and WITDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI's latest edition of BCSI (Build up Component Safety) Information on the top chord shall have properly attached structural sheath on the bottom chord shall have bracing detailed per BCSI sections 83, B7 or B10 as applicable. Locations shown for permanent lateral restraint are of which shall have bracing detailed per BCSI sections 83, B7 or B10 as applicable.

ALPINE

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



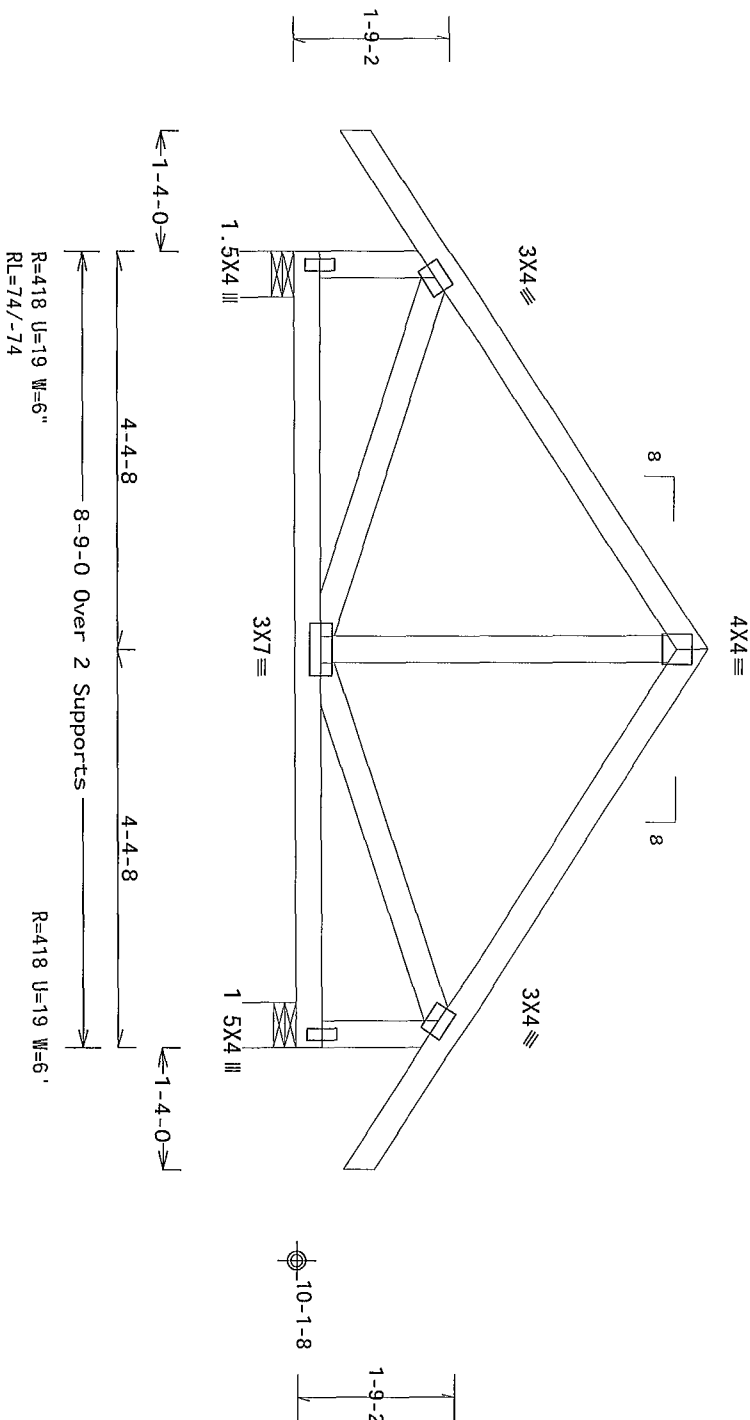
TC LL	20.0 PSF	REF	R9114- 15785
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10 0 PSF	DRW	HCUS9114 1409701
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD	37 0 PSF	SEQN	364537
DUR,FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED diag, 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 Cx member design

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=20%(0%)/10(0)

12.03 04 0326 14

QTY 3

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

Scale = .5"/Ft.

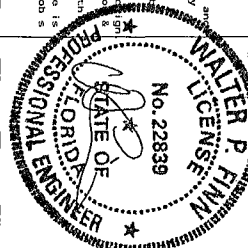
ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

If users require active care in fabricating handling, shipping, installing, and bracing, follow the latest edition of BCSI's Building Component Safety Information on by TPI and WITCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI's Unstressed steel otherwise as top chord shall have properly attached structural sheath and bottom chord shall have a properly attached rod or ceiling. Locations shown for permanent lateral restraint or wind shall have brace installed per BCSI section 83, 87, or 89 as applicable.

[illegible]

04/07/2014

TC LL	20.0 PSF	REF	R9114-15786
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10 0 PSF	DRW	HCUSE9114 14097026
BC LL	0.0 PSF	HC-ENG	SSB/MPP
TOT LD	37.0 PSF	SEON-	364452
DUR FAC	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

(14-0458--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - BDG 8 9" Gable)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B
Stack Chord SC1 2x4 SP #1-13B Stack Chord SC2 2x4 SP #1-13B

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

Gable end supports 8" max rake overhang

See DWGS A12015ENC100212, GBLLETIND212, & GABRST100212 for more requirements

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

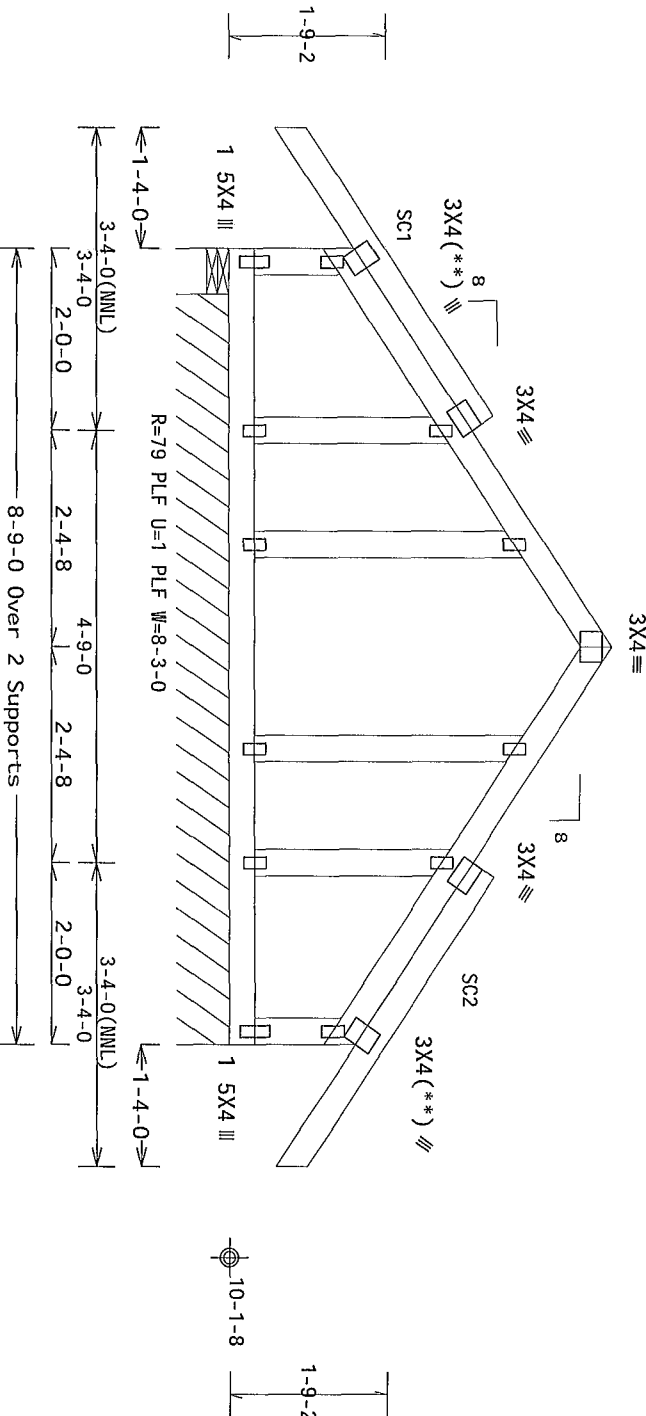
(**) 2 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, 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

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

Fasten rated sheathing to one face of this frame



R=183 U=27 W=6"
RL=72/-72

Note All Plates Are 1 5X3 Except As Shown

PLT TYP Wave

Design Crit. FBC2010Res/TP1-2007(STD)

12.03 04 0326 14

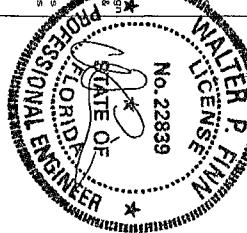
QTY 1 FL/-/5/-/-/R/-

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. Refer to and follow the latest edition of BCSI (Building Component Safety) information by TPI and WDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have 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 this design or any failure of the truss. The user of this design shall be responsible for any deviation from this design or any failure of the truss. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this design indicates acceptance of professional engineering near the responsibility of the truss designer per ASCE/TP1 1 Sec 2 and use of this design for any structure is the responsibility of the user. For more information see this job's drawing or cover page listing this design. ITWBCG www.itwbcg.com TPI www.tpiinc.org WDA www.wdaindustry.com ITC www.itccare.org



TC LL	20.0 PSF	REF	R9114- 15787
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097002
BC LL	0.0 PSF	HC-ENG	SSB/M/PF
TOT. LD	37.0 PSF	SEQN-	364453
DUR FAC.	1.25		
SPACING	24.0"	JREF-	1V6C487_Z02

04/07/2014

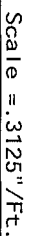
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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



ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT****

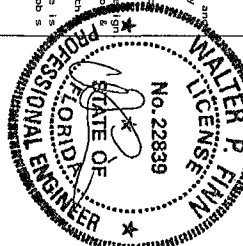
WARNING! READ AND FOLLOW ALL NOTES ON THIS SHEET!

Please refer to extreme care in fabricating, handling, shipping, installing, and bracing. Refer to and follow the latest set of notes of BCS (Building Component Safety) Information on by TPI and WIDA for safety practices used or to perform these functions. Installers shall provide temporary bracing per BCS instructions and observations. Top chord shall have properly attached structural sheathing and become dependent on the building's lateral restraint system.

All framing members shall have bracing installed per BCS sections B3, B7 or B10 as applicable.

TPI Building Components Group Inc. (TBCG) shall not be responsible for any deviation from this design. Any future modification to this construction in accordance with ASHRAE 90.1 or for handling an opening installation shall be approved by TBCG. The manufacturer shall be responsible for providing all necessary details unless noted otherwise. Refer to drawing no. ASD-2 for standard plate positions. A seal on the drawing or cover page 1 at the top of the drawing does not indicate acceptance of professional engineering responsibility solely for the design shown. The submittal and use of this design for any structure is the responsibility of the building owner per Part II Sec 2. For more information see This job is general notice paper TPI-BCS www.tpiinc.org WIDA www.abendustry.com

ICC www.iccsafe.org



04/07/2014

TC LL	20 0 PSF	REF	R9114- 15/788
TC DL	7 0 PSF	DATE	04/07/14
BC DL	10 0 PSF	DRW	HCUSR9114 14097017
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD	37.0 PSF	SEQN-	364454
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

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

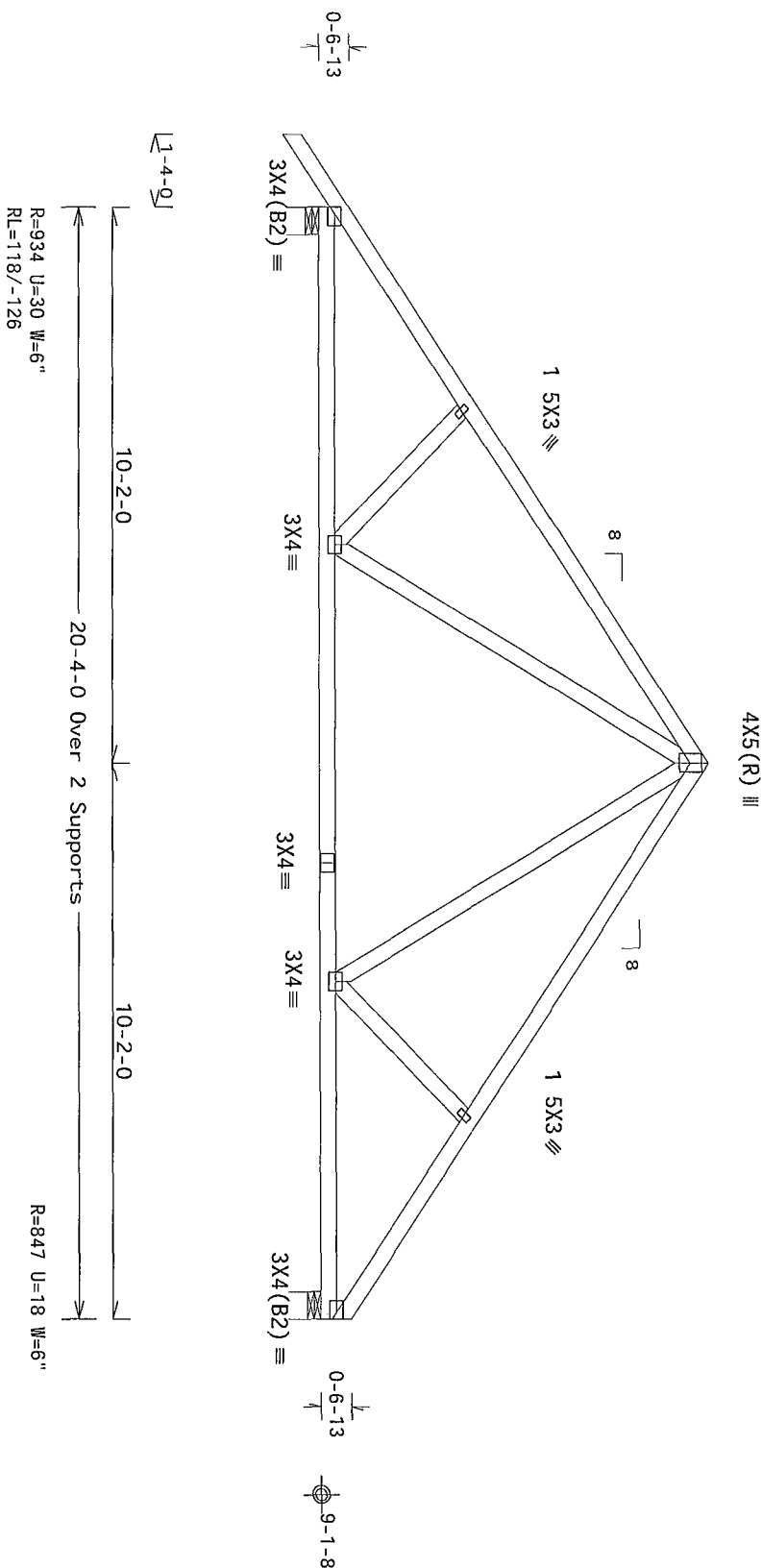
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

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

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=20%(0%)/10(0)

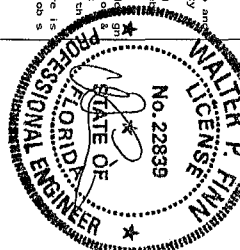
12.03.04 0326 14

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

Scale = .3125"/Ft.

ALPINE

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

[illegible]

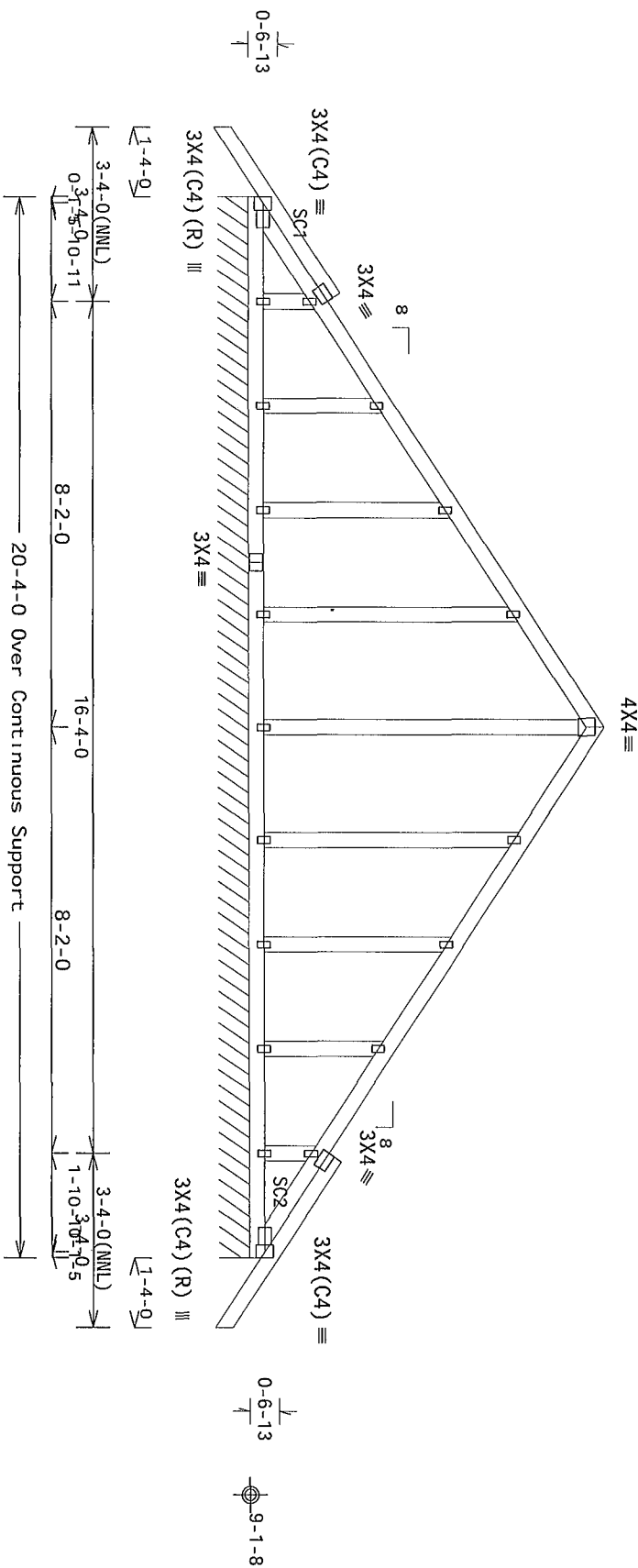
04/07/2014

TC LL	20.0 PSF	REF	R9114- 15789
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097025
BC LL	0.0 PSF	HC-ENG	SSB/WIPF
TOT.LD.	37.0 PSF	SEQN-	364455
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

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

Wind loads and reactions based on MMFRS with additional C&C member design
See DWGS A12015ENC100212, GBLLET1M0212, & GABRST100212 for more requirements
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, CLUSEU diag, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP1(+/-)=0 18



Note All Plates Are 1 5X3 Except As Shown
Design Crit: FBC2010Res/TP1-2007(STD),
PLT TYP. Wave FT/RT=20%(0%)/10(0)

$$FT/RT=20\%(0\%)/10(0)$$

12.03.04 12:58 6912

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

Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

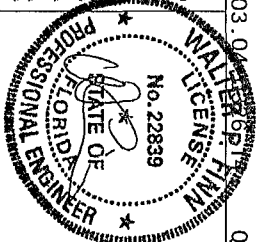
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trussco require extensive care in fabricating, handling, air drying, metallizing and bracing. Follow the latest edition of BGCS (Building Component Safety Information by TPI and WTCO) for safety practice as prior to performing these functions. Installers shall provide temporary bracing per BGCS. Units are notched others as top chord shall have properly attached structural sheath and bottom chord shall have bracing installed per BGCS, section 88, 87 or 810 as applicable.

1TW Building Components Group, Gironde Inc. (1TWBGCS) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1 or 2 for handling, shipping, metallizing & bracing of trusses. Apply policies to each face of truss and position as shown above on the Joint Details unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing is to cover page 1 indicating this drawing indicates acceptance of product and engineering.

Trussco shall be responsible for the design and construction of the structure in accordance with the responsibility of the Building Designer per ANSI/TPI 1, Section 2. For more information see general notes page 1TW-BGCS www.tbgc.com TPI www.tpinet.org WTCO www.steelsource.com

Refer to and

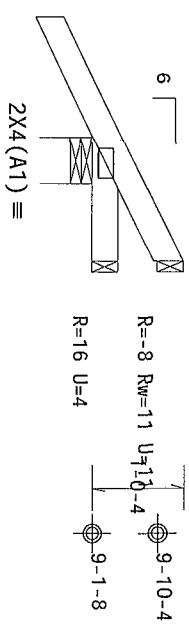


04/07/2014

TC LL	20.0 PSF	REF	R9114- 15790
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCU89114 14097014
BC LL	0.0 PSF	HC-ENG	SSB/MIPF
TOT.LD	37.0 PSF	SEQN-	364456
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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 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



1-4-0-0
1-4-3 Over 3 Supports
R=192 U=20 W=6"
RL=22

PLT TYP Wave Design Crit FBC2010Res/TP1-2007(STD)
12.03.04
QTY: 3 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 metaling and bracing. Refer to and follow the latest edition of BCS1 (Building Component Safety Information by TPI and WDA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have properly attached r g d ceiling. Locations shown for permanent lateral restraint of webs shall have bracing detailed per BCS1 sections 83 B7 or B10 as applicable.
ITW Building Components Group Inc (IMBCO) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TP1 1 or for handling shipping metalation or bracing. The user of this design shall be responsible for the proper use of this design. A seal on this drawing or cover page listing this design shall be required. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see the Building Designer's website: www.bcs1.org
ICC www.bcs1.org

WALTER P. HINN
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
04/07/2014

TC LL	20.0 PSF	REF R9114- 15791
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14097019
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	37.0 PSF	SEON- 364457
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V5C487_Z02

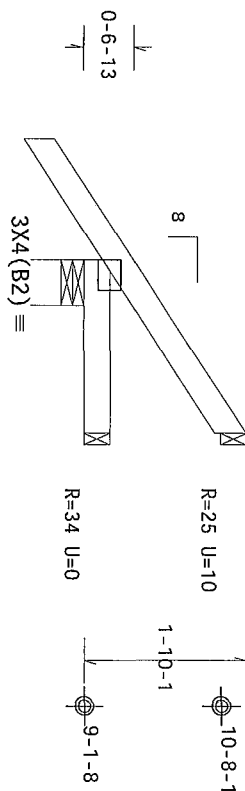
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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



1-10-14 Over 3 Supports

R=190 U=9 W=6"
RL=35/-24

PLT TYP Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

12.03.04

QTY:3

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

Scale = .5"/Ft.

ALPINE

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

IMPORTANT! – TURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS

Trussteel requires extensive care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI's Building Component Safety Information by TPI and WTCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI's latest published information. Top chord shall have properly attached structural sheathing and bottom chord shall be adequately braced. Truss members shall have proper lateral restraints of adjacent members.

When bracing is required per BCSI sections 8.87 or 810 as applicable:

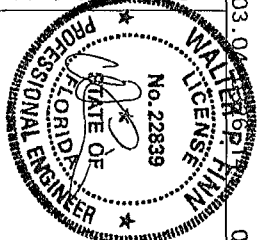
1)TW Building Components Group, Inc. (TWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and posit on as shown above and on the Joint Details unless noted otherwise.

2)Refer to drawings TB00-2 for standard plate positions. A seal on this drawing indicates that the design is for use on a truss with a top chord bracing system.

3)The responsibility for the design shown, the suitability and use of this design for any structure is assumed by the user of this design. This job is the responsibility of the Building Design group per ANSI/TPI 1 Sec 2. For more information see www.trussindustry.com

general notes page TWBCG www.tbwco.com TPI www.tpinet.org WTCO www.sbcindustry.com

ICC www.iccsafe.org



04/07/2014

TC LL	20.0 PSF	REF	R9114- 15792
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097023
BC LL	0.0 PSF	HC-ENG	SSB/MPP
TOT.LD.	37.0 PSF	SEQN-	364458
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

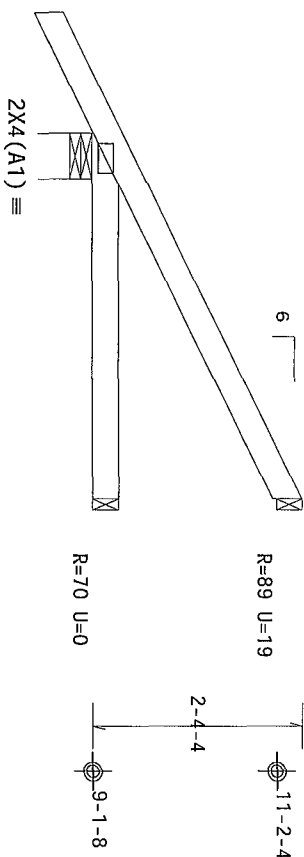
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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



1-4-0

← 4-0-3 Over 3 Supports →

R=255 U=10 W=6"
RL=44

PLT TYP Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

12.03.04 15:26 p1

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

Scale = .5"/Ft.

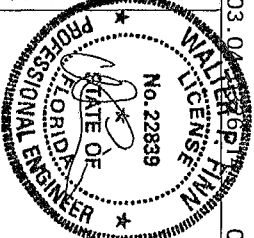
****IMPORTANT****
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tadouson require extra care in fabricating, handling, shipping, installing, and bracing. Refer to and follow the latest edition of BCSP's (Building Commission Safety) Information by TPI and WDA for safety practices and/or to performing these functions. Installers shall provide temporary bracing per BCSP's Unles noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached "bridging" (e.g., blocking, etc.). Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSP's sections 83, 87 or 810 as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

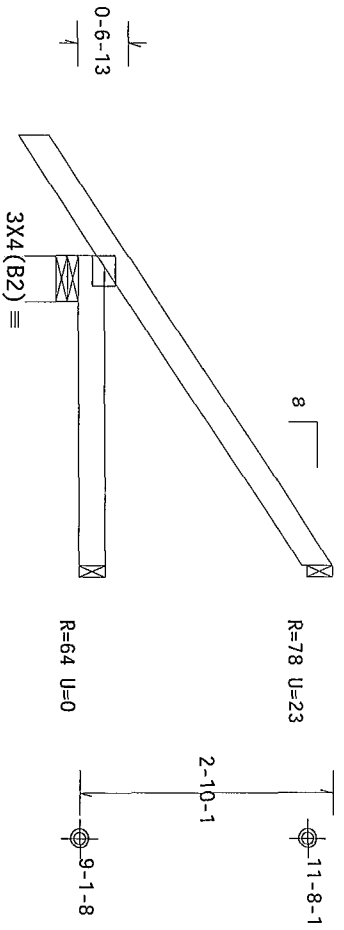


04/07/2014

TC LL	20.0 PSF	REF	R9114- 15/793
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	H05R9114 14097018
BC LL	0.0 PSF	HC-ENG	SSB/MPP
TOT LD.	37.0 PSF	SEQN-	364459
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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



1-4-0
3-4-14 Over 3 Supports
R=233 U=2 W=6"
RL=51/-29

PLT TYP Wave
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)
12.03.00

ALPINE

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCS1 (Building Component Safety Information) by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS1. Sheathing B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. The user shall verify and use of this design for any structure is the user's responsibility. ITWBCG shall not be responsible for any structure is the user's responsibility. ITWBCG shall not be responsible for any structure is the user's responsibility.

ICC www.iccsafe.org

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 22839
WALTER H. HINN
04/07/2014

QTY: 3		FL/-/5/-/-/R/-		Scale = .5"/Ft.	
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TC DL	7.0 PSF	DATE	04/07/14		
BC DL	10.0 PSF	DRW	HCSR9114 14097022		
BC LL	0.0 PSF	HC-ENG	SSB/MFP		
TOT. LD	37.0 PSF	SEQN-	364460		
DUR. FAC.	1.25				
SPACING	24.0"	JREF-	1V5C487_202		

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

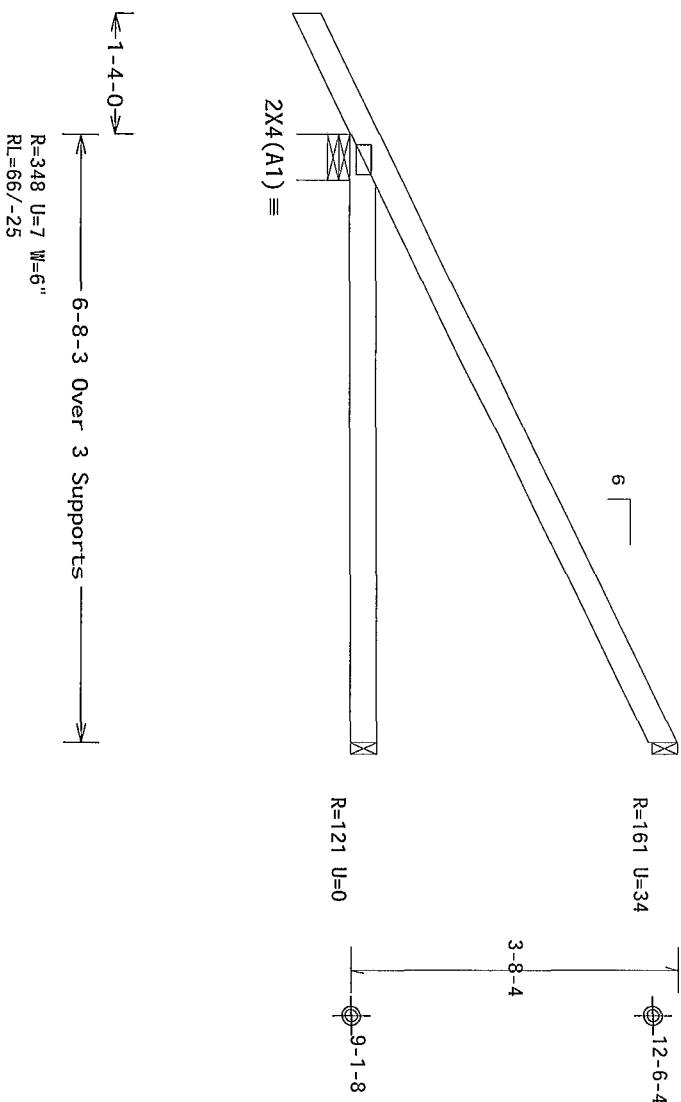
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

120 mph wind 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf $G C P (+/-)=0.18$

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

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



PLT TYP Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

12.03.04

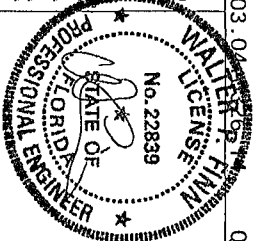
QTY:3 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

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

IMPORTANT **NEED AND FOLLOW ALL NOTES ON THIS SHEET!**
WARNING - POINTING THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
 Trussco requires extreme care in fabricating handling shipping and bracing Refer to and follow the latest edition of BCOS (Building Component Safety Information) by TPI and WTCO for safety practice used prior to performing these functions. Installers shall provide temporary bracing per BCOS. Unless noted otherwise, top chord shall have properly attached structural sheath and bottom chord shall have bracing installed per BCOS sections B3, B7 or B10 as applicable.
 ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the Truss in conformance with ANSI/TPI 1 or for handling shipping or metalization. Drawings are not to be used for construction without the approval of ITWBCG. All drawings shall be read in drawing or cover page indicating this drawing. No drawings acceptance of professional engineering or responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information on this design, please contact ITWBCG. www.itwbcg.com www.tpi.com www.abcdindustry.com
 general notice pages ITW BCOS www.itwbcg.com www.tpi.com www.abcdindustry.com
 www.cscgate.org www.cscgate.org



04/07/2014

TC LL	20.0 PSF	REF	R9114- 15795
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	H08R9114 14097016
BC LL	0.0 PSF	HC-ENG	SSB/WMPF
TOT LD	37.0 PSF	SEQN-	364461
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1V5C487_Z02

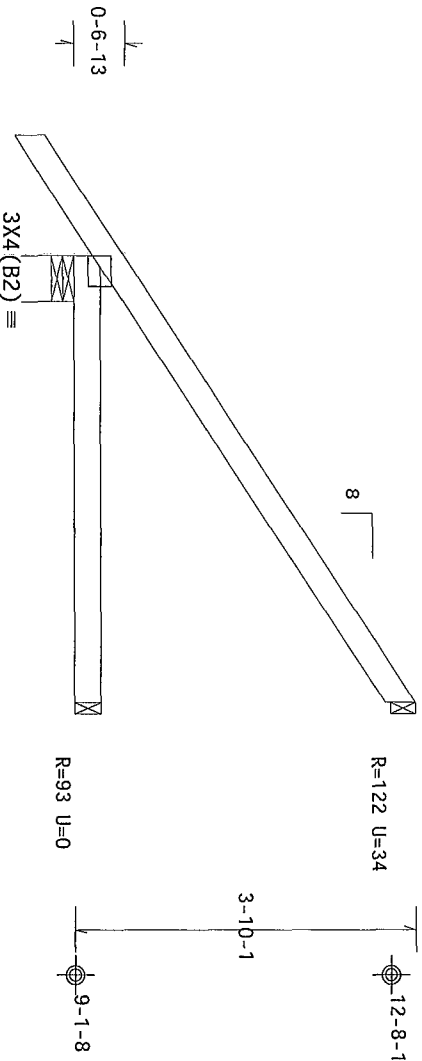
(14-045B--BRYAN ZECHEER /Burke House -- The Preserves Lake City, FL - CJS 4'10"14 Jack)

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, 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 GCP(+/-)=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



←1-4-0→
←4-10-14 Over 3 Supports→
R=285 U=0 W=6"
RL=68/-34

Design Crit. FBC2010Res/TP1-2007(STD)

PLT TYP Wave

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

Scale = .5"/Ft.

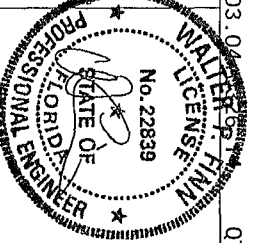
IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Safety Institute) and WTC (Wind Tunnel Consulting) practices for bracing of trusses. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint. Details, unless noted otherwise. Refer to drawings, 1604-2 for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering near the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page ITW-BG000 www.itwbcg.com TPI www.tpinet.org WTC www.structureinc.com

ALPINE

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



TC LL	20.0 PSF	REF	R9114- 15796
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14097021
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	37.0 PSF	SEQN-	364462
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1V5C487_Z02

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

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

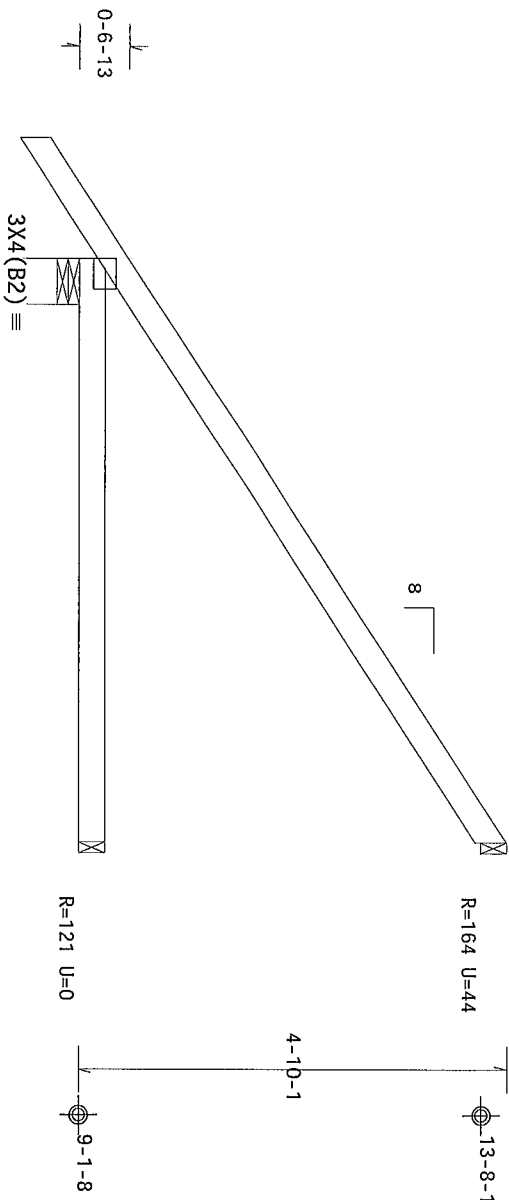
Bottom chord checked for 10 00 psf non-concurrent live load

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

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



1-4-0

6-4-14 Over 3 Supports

R=340 U=0 W=6"
RL=84/-39

PLT TYP Wave

Design Crit. FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

12.03 04 26 14

QTY:3

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

Scale = .5"/Ft.

ALPINE

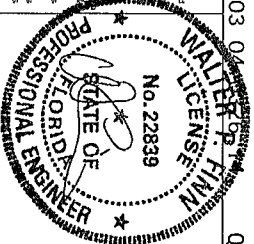
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Thousands require extensive time in fabricating, handling, shipping, installing and bracing. Refer to safety practices for more information. The following information is provided for informational purposes only. Do not follow the listed code of best practices or to perform any of these practices. Installers shall provide comprehensive bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached gird or stringer. Location shown for permanent lateral restraint of web shall have been properly attended per BCSI section 83.07 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint. Do not use untested notched overhead hangers. Refer to drawings B800-2 for standard plate points on a steel on truss. The manufacturer shall be responsible for the design shown. The suitability and use of this design for the responsibility solely for the design shown. For more information see ANSI/TPI 1 Sec 2. This job is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see ITWBCG www.itwbcg.com TPI www.tpi.net.org WTCA www.stc-industry.com general notes page 179-806 www.itwbcg.com TPI www.tpi.net.org WTCA www.stc-industry.com



04/07/2014

TC LL	20.0 PSF	REF	R9114- 15797
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14097020
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT LD	37.0 PSF	SEQN-	364463
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

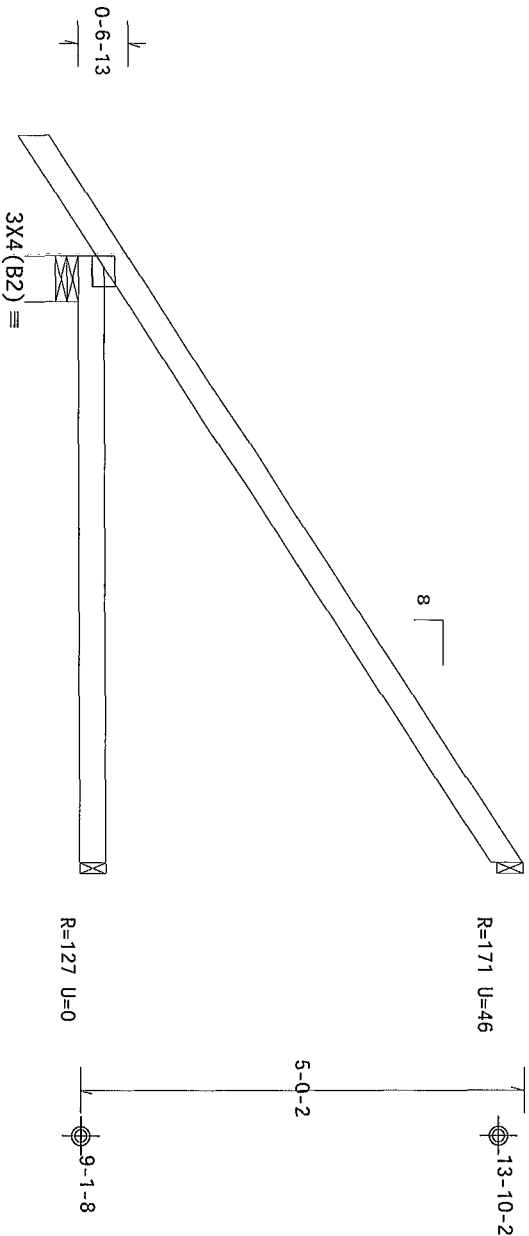
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

MMFRS loads based on trusses located at least 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 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



$\leftarrow 1-4-0 \rightarrow$
 $\leftarrow 6-8-0 \text{ Over } 3 \text{ Supports} \rightarrow$
 $R=349 \quad U=0 \quad W=6'$
 $RL=87/-40$

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)
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12.03.04

QTY.23 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

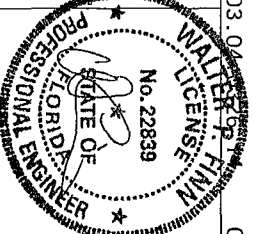
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Students require extreme care in fabricating handling shipping installing and bracing
Follow the latest edition of BCSI (Building Components Safety) Information on by TPI and WTCO for safety
Practise one prior to performing these functions Installers shall provide temporary bracing per BCSI
Unless noted otherwise so top chord shall have properly attached structural sheath ng and bottom chord
shall have a properly installed g & d ceiling Loose ends shown for permanent lateral restraint of webs
shall have bracing installed per BCSI sect ions B5 B7 or B10 as appl cable

1TW Building Components Group Inc. (1TWBCG) shall not be responsible for any deviation from this design
any failure to build the truss in conformance with ANSI/TPI-1 or for handl ng shipping installation
bracing or trusses Apply plates to each face of truss and pos tion as drawn above and on the Joint
Detail unless noted otherwise Refer to drawings 180A-Z for standard plate sizes A seal on this
BCSI website www.bcsi.org
reasons b) By solely for the use s on shown The su tabil ty and use of this design for any structure is
the respons b) y of the Bu ider per ANSI/TPI-1 Sec 2 For more information see Th e job s
general notes page 1TW-BCG www 1twbcg com TP1 www tpinc org WTCO www sbcindustry com
www tccscaple org



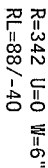
TC LL	20.0 PSF	REF	R9114 - 15798
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	H05H9114 14087024
BC LL	0.0 PSF	HC-ENG	SSB/WMP
TOT LD	37 0 PSF	SEQN-	364464
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

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



Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

$$\text{FT/RT} = 20\% (0\%) / 10 (0)$$

12.03.04 0

QTY:7 FL/-/5/-/-/R/-

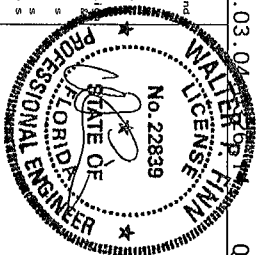
Scale = .5"/ft.

Orlando FL, 32837
FL COA #0278

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

Tenuses requ re extreme care in fabricating handling shipping metalling and brae ng Refer to and follow the latest edition of BCSI (Bu iding Component Safety Information by TPI and WTC) for safety practices per or to performing these funct ons Installers shall provide temporary bracing per BCSI drawings and details shown on top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI secti ons B3 B7 or B10 as applicable

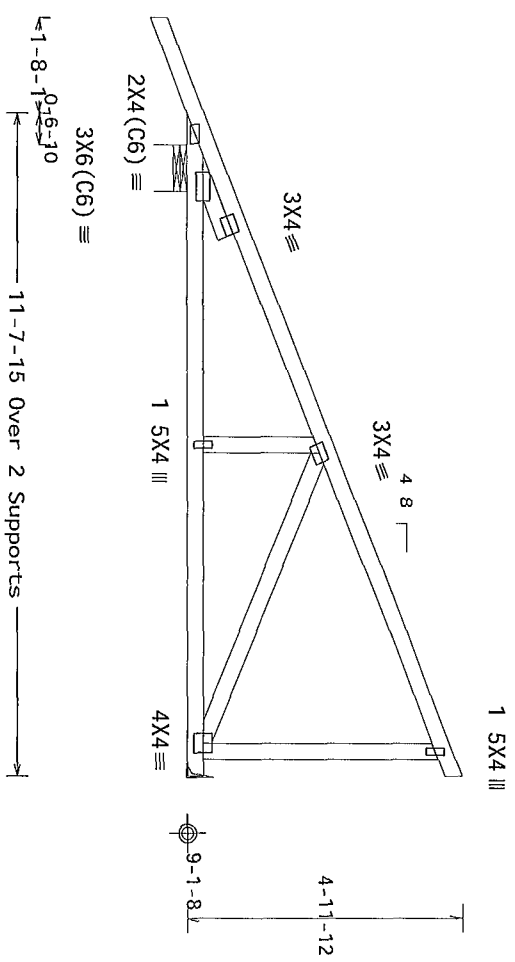
any lawe to build the truss in conformance with (TMBDC) shall not be responsible for any deviation from this design. Details unless noted otherwise. All dimensions are in inches unless otherwise specified. The position as shown above and on the Joint drawing or cover plate listing this drawing. Refer to technical information or profiles and end view on the responsibility solely for the design shown. The suitability and use of this design for any structure shall be the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page TWP BCS www twbcom tp1 www tp1 net org WTCA www abc industry com CC www ccable org



04/07/2014

TC LL	20.0 PSF	REF	R9114- 15799
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14097012
BC LL	0.0 PSF	HC-ENG	SSB/MMPF
TOT. LD.	37.0 PSF	SEQN-	364563
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1V5C487_Z02

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP M-30
Webs 2x4 SP #3-13B
Lt Slider 2x4 SP #3-13B BLOCK LENGTH = 1 500'
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 6 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf GCPI(+/-)=0 18
Wind loads and reactions based on MMFRS
Left cantilever is 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



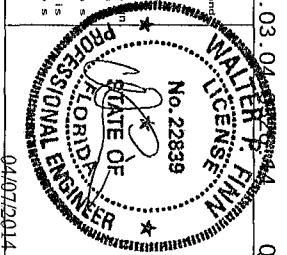
Special loads

TC-From	Dur Fac = 1 25 / Plate Dur Fac = 1 25
BC-From	55 pif at -1 67 to 55 pif at 11 66
BC-From	4 pif at -1 67 to 4 pif at 0 00
TC-From	20 pif at 0 00 to 20 pif at 11 66
TC-1 43 lb Conc	Load at 1 73
TC-25 39 lb Conc	Load at 3 81
TC-88 68 lb Conc	Load at 5 06
TC-78 06 lb Conc	Load at 6 31
TC-160 72 lb Conc	Load at 8 39
TC-122 17 lb Conc	Load at 8 81
TC-163 70 lb Conc	Load at 11 31
BC-16 22 lb Conc	Load at 1 73
BC-34 00 lb Conc	Load at 3 81
BC-69 76 lb Conc	Load at 5 06
BC-63 59 lb Conc	Load at 6 31
BC-120 62 lb Conc	Load at 8 39, 11 31
BC-92 66 lb Conc	Load at 8 81

PLT TYP. Wave
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)
12.03.04
QTY:1
FL/-/5/-/-/R/-
Scale = .3125"/Ft.

R=961 U=93 W=10"
R=1181 U=90
H=H1

ALPINE
Orlando FL 32837
FL COA #0278
JTW Building Components Group Inc.
ICC www.iccsafe.org

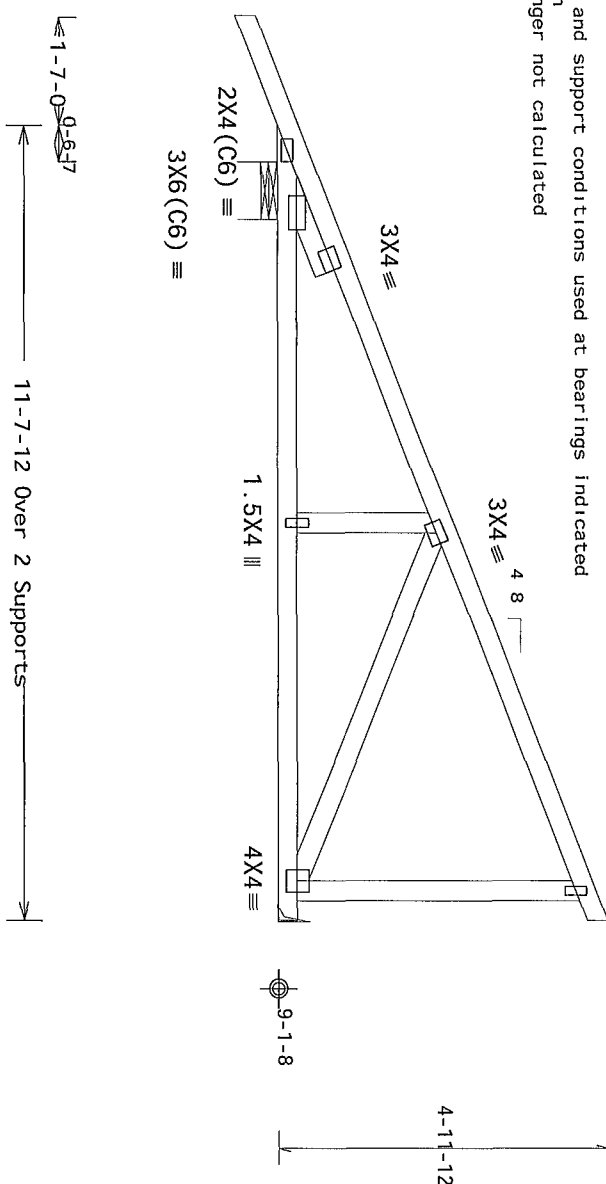


TC LL	20.0 PSF	REF R9114- 15800
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14097010
BC LL	0.0 PSF	HC-ENG SSB/MPF
TOT LD.	37.0 PSF	SEQN- 364474
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1VSC487_Z02

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP M-30
Webs 2x4 SP #3-13B
Lt Slider 2x4 SP #3-13B BLOCK LENGTH = 1 500'
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 6 50 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
Left cantilever is 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
These hangers and support conditions used at bearings indicated
(H1) = Simpson
(H2) = (J) Hanger not calculated

Special loads

TC- From	Dur Fac =1 25 / Plate Dur Fac =1 25
BC- From	55 pif at -1 58 to 55 pif at 11 65
BC- From	4 pif at -1 58 to 4 pif at 0 00
BC- From	20 pif at 0 00 to 20 pif at 11 65
TC- -1 43 lb Conc	Load at 1 71
TC- 25 39 lb Conc	Load at 3 79
TC- 88 68 lb Conc	Load at 5 04
TC- 78 06 lb Conc	Load at 6 29
TC- 160 72 lb Conc	Load at 8 38
TC- 122 17 lb Conc	Load at 8 79
TC- 163 70 lb Conc	Load at 11 29
BC- 16 22 lb Conc	Load at 1 71
BC- 34 00 lb Conc	Load at 3 79
BC- 69 76 lb Conc	Load at 5 04
BC- 63 59 lb Conc	Load at 6 29
BC- 120 62 lb Conc	Load at 8 38, 11 29
BC- 92 66 lb Conc	Load at 8 79



PLT TYP Wave
R=955 U=92 W=10"
R=1182 U=90
H=H1
Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)
12.03.04

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

TC LL	20.0 PSF	REF R9114- 15801
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14097041
BC LL	0.0 PSF	HC-ENG JB/MPI
TOT LD	37 0 PSF	SEQN- 364618
DUR FAC	1.25	
SPACING	24.0"	JREF- 1V5C487_Z02

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

Professional Engineer
WALTER J. FINN
No. 22839
STATE OF FLORIDA

04/07/2014

Scale = .375"/Ft.

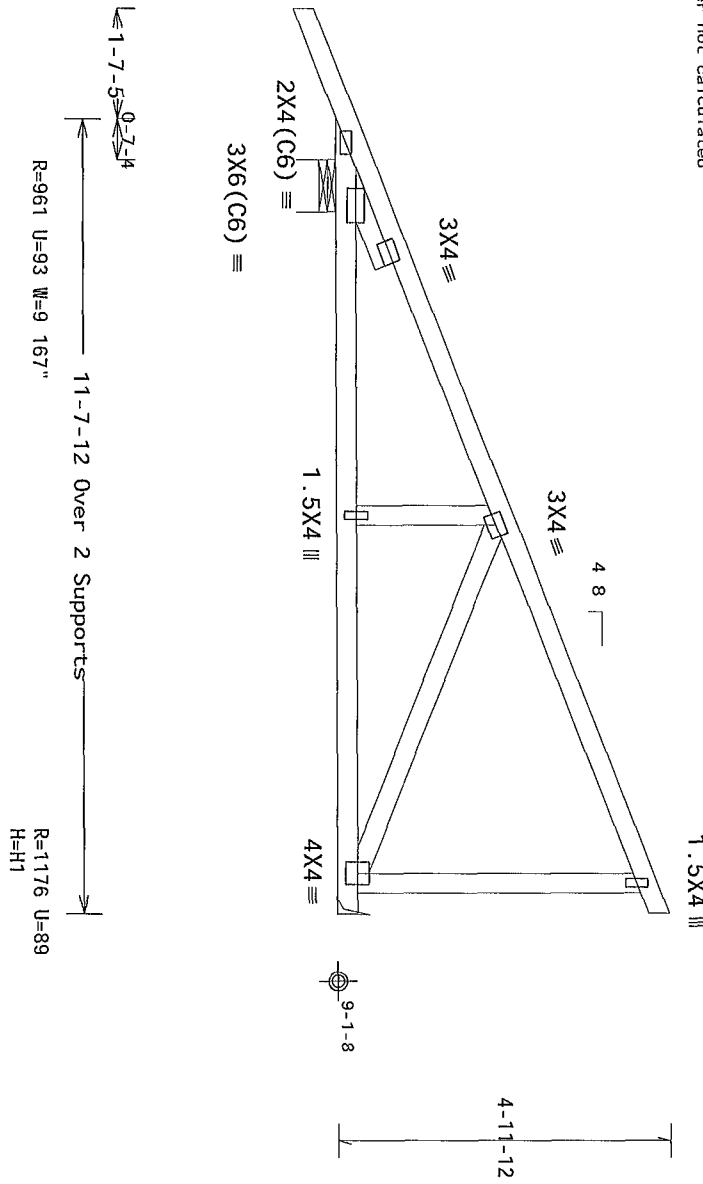
(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - HJ7B 11'8" Hip Jack Girder)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B BLOCK LENGTH = 1 500
Lt Slider 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 6 50 ft from roof edge RISK CAT 11, EXP B wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18
Wind loads and reactions based on MMFSS
Left cantilever is 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
These hangers and support conditions used at bearings indicated
(H1) = Simpson
(H2) = (J) Hanger not calculated

Special loads

-----Lumber

TC-From	55 pif at -1 25 /	Plate Dur Fac =1 25
BC-From	4 pif at -1 59 to	55 pif at 11 65
BC-From	20 pif at 0 00 to	4 pif at 0 00
TC-1 43 lb Conc	Load at 1 71	20 pif at 11 65
TC-25 39 lb Conc	Load at 3 79	
TC-88 68 lb Conc	Load at 5 04	
TC-78 06 lb Conc	Load at 6 29	
TC-160 72 lb Conc	Load at 8 38	
TC-122 17 lb Conc	Load at 8 79	
TC-163 70 lb Conc	Load at 11 29	
BC-16 22 lb Conc	Load at 1 71	
BC-34 00 lb Conc	Load at 3 79	
BC-69 78 lb Conc	Load at 5 04	
BC-63 59 lb Conc	Load at 6 29	
BC-120 82 lb Conc	Load at 8 38	
BC-92 66 lb Conc	Load at 8 79	



PLT TYP. Wave

Design Crit FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

12.03 04/07/2014

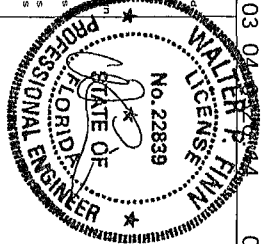
QTY. 1 FL./-5/-/-/R/-

Scale = .375"/Ft.

ALPINE

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached rigid ceiling. Locate one shown for permanent lateral restraint or web shall have bracing installed per BCSI section 83.87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build this truss in conformance with ANSI/TPI 1 or for handling shipping installing bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joist drawing or cover page 1158 of this drawing. Indicates acceptance of process and engineering near the responsibility solely for the design shown. The ASCE 7-10 and use of this design for any structure shall be the responsibility of the user. This job is the property of ITWBCG. This job is the property of ITWBCG.
ITWBCG www.itwbcg.com TPI www.tpiinc.org WTC www.wtcindustry.com



TC LL	20 0 PSF	REF R9114- 15802
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14097042
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT LD	37.0 PSF	SEQN- 364610
DUR. FAC.	1.25	
SPACING	24 0"	JREF- 1V5C487_Z02

04/07/2014

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - H7A 43'8" Steeple Hump Girder)

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

Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP M-30 T2, T3 2x4 SP 2850F-2.3E
Bot chord 2x6 SP #1 Dense B2, B3 2x6 SP M-26
Webs 2x4 SP #3

W3, W4, W6, W12, W14, W17 2x4 SP #2 W7, W10 2x4 SP #1 W13 2x4 SP
M-30 Rt Wedge 2x4 SP #3

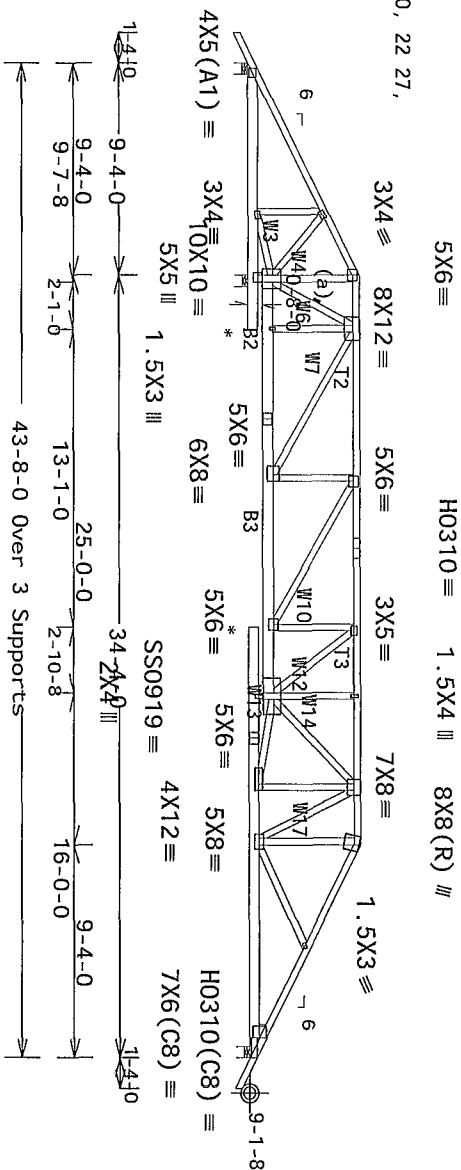
Lumber value set "13B uses design values approved 1/30/2013 by ALSC

SPECIAL LOADS

-----LUMBER DUR FAC =1.25 / PLATE DUR FAC =1.25)
TC - From 60 PLF at -1.33 to 60 PLF at 0.00
TC - From 56 PLF at 0.00 to 56 PLF at 9.33
TC - From 28 PLF at 9.33 to 28 PLF at 34.33
TC - From 56 PLF at 34.33 to 56 PLF at 43.67
TC - From 60 PLF at 43.67 to 60 PLF at 45.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.36
BC - From 10 PLF at 9.36 to 10 PLF at 34.30
BC - From 20 PLF at 34.30 to 20 PLF at 43.67
TC - 171 LB Conc Load at 9.40, 11.40
TC - 119 LB Conc Load at 13.40, 15.40, 17.40, 19.40, 21.40, 22.27,
24.27
TC - 171 LB Conc Load at 26.27, 28.27, 30.27, 32.27, 34.27
BC - 1303 LB Conc Load at 9.36
BC - 200 LB Conc Load at 9.67
BC - 127 LB Conc Load at 11.40
BC - 142 LB Conc Load at 13.40, 15.40, 17.40, 19.40, 21.40, 22.27,
24.27
BC - 127 LB Conc Load at 26.27, 28.27, 30.27, 32.27
BC - 1308 LB Conc Load at 34.30

* NOTE THE MAXIMUM UNSUPPORTED LENGTH IS 2-0-0 A
VERTICAL SUPPORT IS REQUIRED

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



R=0 Rw=82 U=0 W=6"

R=5774 U=568 W=6"

R=3281 U=243 W=6"

PLT TYP 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2010Res/TPI-2007(STD)
Ft/RT=209(0%)/10(0)

13 02 07

QTY:1

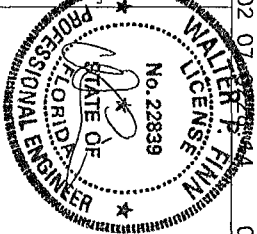
FL/-/5/-/-/R/-

Scale = .125"/Ft.

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

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating handling shipping and installing. Refer to and
follow the latest edition of BCSI (Building Components Safety Information) by TPI and WIDA for safety
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI
unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord
shall have a properly attached rafter sheathing. BCSI sheeting B3 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
any failure to build the truss in conformance with this design or for handling shipping installation
or for any other reason. The user of this design shall be responsible for obtaining all necessary
details unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the
drawing or cover page listing this design shall be drawn. The seal shall be for any structure
by solely for the design shown. The seal shall be for any structure
the response by the design shown per ANSI/TPI 1 Sec 2. For more information see this job's
specification. ITW BCSI www.bcsi.com TPI www.tpi.com WIDA www.wida.com



TC LL	20.0 PSF	REF	R9114-15803
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14097043
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT LD	37.0 PSF	SEQN-	3794 REV
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1V6C487_202

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf 6Cp1 (+/-)=0 18

(a) Continuous lateral restraint equally spaced on member

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

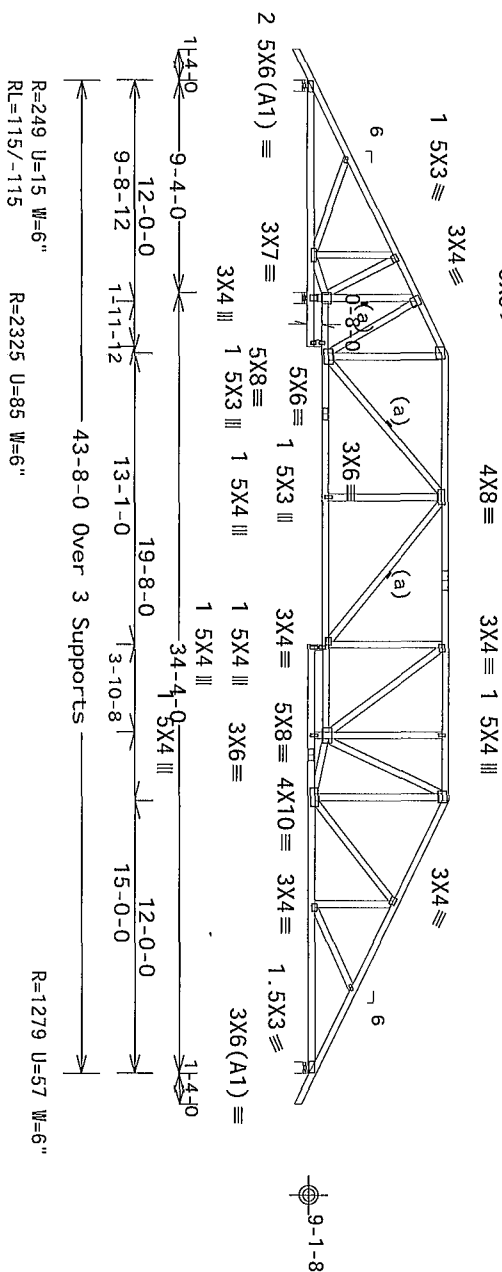
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

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

Laterally brace BC above filler @ 24" 0 C (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

5X6 =

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



R=1279 U=57 W=6'

PLT TYP	20 Gauge HS, Wave
---------	-------------------

Design Cr1t: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

12 03.04.2014

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

Scale = .125"/Ft.

ALPINE

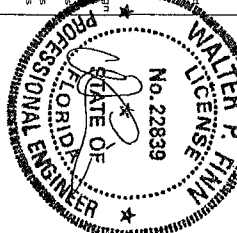
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Trussers require the licensee create a form cataloging handling, shipping, receiving and bracing. Refer to the following for the latest edition on BCSI: (a) all Component Safety Information on TP1 and WYO; for safety practices prior to or to perform on these front ones. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or web shall have bracing installed per BCSI sections 93, 97 or 910 as applicable.

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

[illegible]

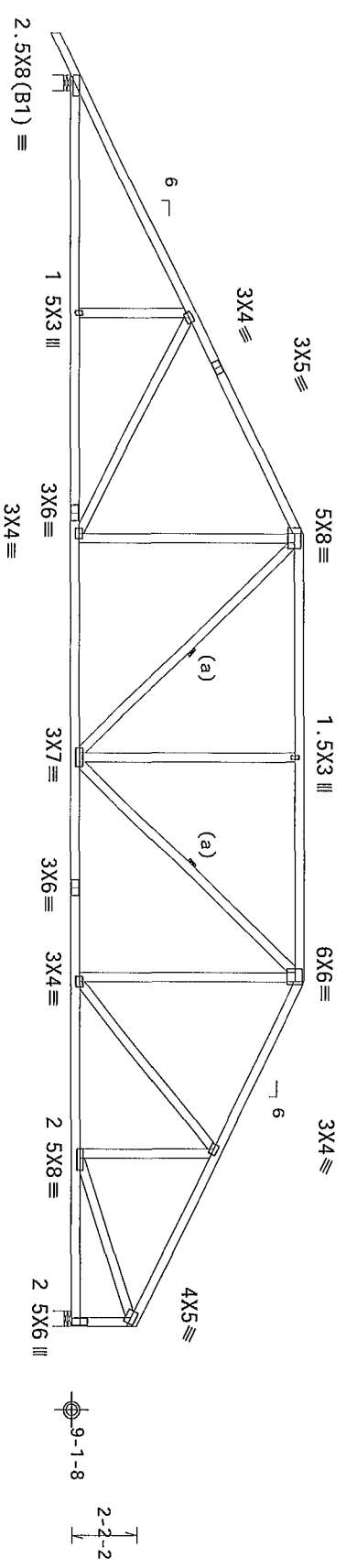
~~04/07/2014~~

TC LL	20.0 PSF	REF	R9114- 15804
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCSR9114 14097004
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD	37.0 PSF	SEQN-	364527
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B
Lumber grades designated with '13B' use design values approved 1/30/2013 by ALSC
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf 6Cpl(+/-)=0 18

(a) Continuous lateral restraint equally spaced on member
Wind loads and reactions based on MMFRS with additional C&C member design
Right end vertical not exposed to wind pressure

Bottom chord checked for 10 00 psf non-concurrent live load
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50
MMFRS loads based on trusses located at least 7 50 ft from roof edge



14-8-0
14-4-0
11-0-0
40-0-0 Over 2 Supports
R=1600 U=67 W=6
RL=113/-107
R=1506 U=58 W=6"

PLT TYP Wave
Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)
12 03 04 2014 QTY 1 FL/-/5/-/-/R/-
Scale = .1875"/Ft.

ALPINE

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

PROFESSIONAL ENGINEER
WALTER P. FINN
No. 22839
STATE OF FLORIDA

TC LL	20 0 PSF	REF R9114- 15805
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUSR9114 14097006
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT LD	37.0 PSF	SEON- 364467
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V5C487_202

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

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----- (Lumber Dur Fac = 1.25 / Plate Dur Fac = 1.25)
```

	Dur	Fac = 1.25	Plate	Dur	Fac = 1.25
-----Lumber					
TC-From	56	pif at -1.33	to	56	pif at 9.27
TC-From	56	pif at 9.27	to	56	pif at 14.67
TC-From	56	pif at 14.67	to	56	pif at 29.00
TC-From	56	pif at 29.00	to	56	pif at 35.26
TC-From	56	pif at 35.26	to	56	pif at 45.00
TC-From	4	pif at -1.33	to	4	pif at 1.00
BC-From	20	pif at 0.00	to	20	pif at 11.83
BC-From	20	pif at 11.83	to	20	pif at 18.67
BC-From	20	pif at 18.67	to	20	pif at 26.67
BC-From	20	pif at 26.67	to	20	pif at 31.67
BC-From	4	pif at 43.67	to	4	pif at 45.00
BC-From	20	00 lb Conc	Load at	9	67

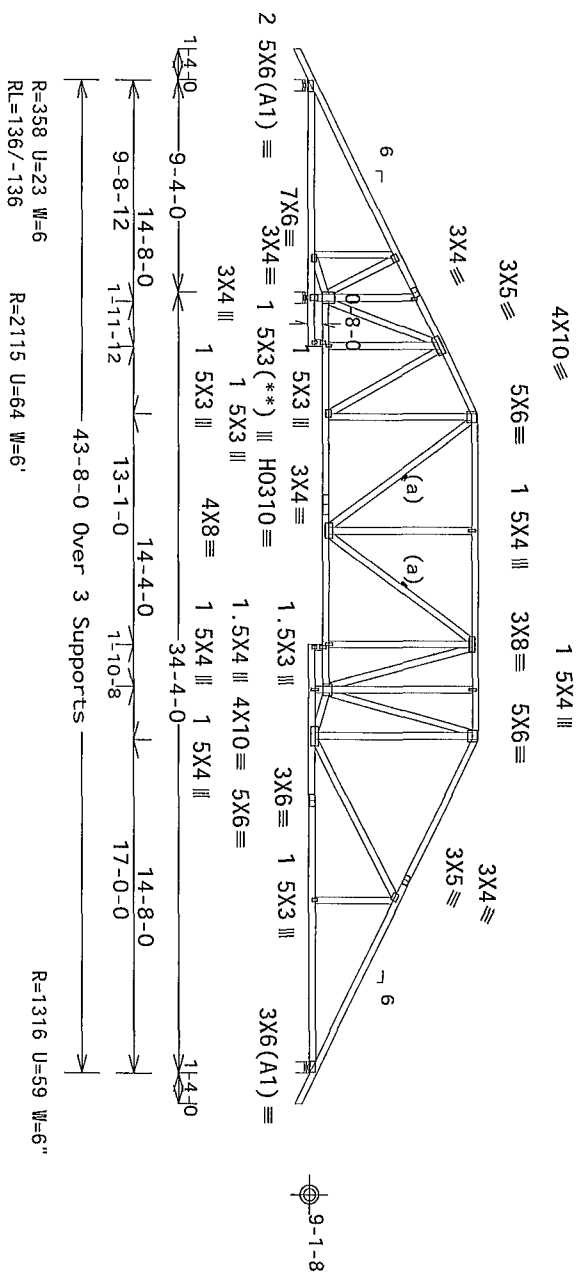
(a) Continuous lateral restraint equally spaced on member

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

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

Laterally brace BC above filler @ 24" O C (or as designed including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point))



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

12.03 04 03 2014

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

Scale = .125"/Ft.

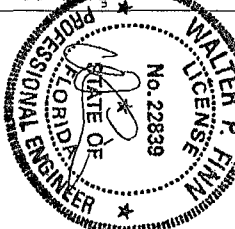
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Insurers require extreme care in fabricating, handling, installing and bracing the steel members of the structure. The design of the structure shall follow the latest edition of BCSI (Building Component Safety Information) or by TPI and WITDA for safety practice and prior to performing these functions. Insurers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheath and bottom chord shall have a properly attached rigid ceiling. Lateral bracing for permanent lateral restraint of web shall have been installed per BCSI sections B3, B7 or B10 as applicable.

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

any failure to build the Trust in conformance with ANS/HP-1 or for handling, shipping or installation of the Trust. The Trust is to be installed in the location shown above and on the bearing of the Trusts. Afloat plates to each place of Trusts and position as shown above and on the drawing is unless noted otherwise. Refer to drawing pages 160B-2 for standard plate position. A seal on the drawing or cover plate 1117 on this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of the design and for structure is the responsibility of the building design firm per ANSI/HP-1 Sec 2. For more information see this job sheet. General notes page 1117-200 www.ctbush.org WPCA www.docindustry.com



~~04/07/2014~~

TC LL	20.0 PSF	REF	R9114- 15806
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	H05R9114 14097003
BC LL	0.0 PSF	HC-ENG	SSB/MPP
TOT.LD	37.0 PSF	SEQN-	364532
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

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

(a) Continuous lateral restraint equally spaced on member

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

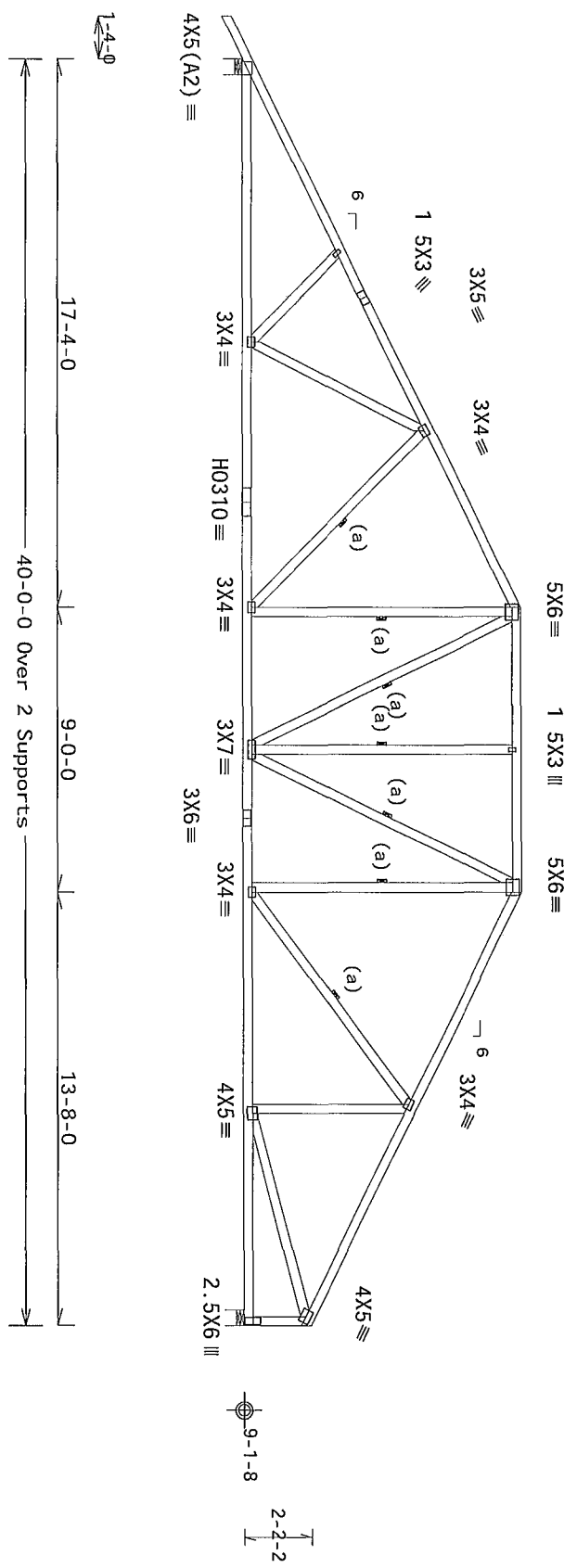
MMFRS loads based on trusses located at least 7 50 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf 6Cp(+-)=0 18

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

Right end vertical not exposed to wind pressure

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



PLT TYP 20 Gauge HS Wave

Design Crit: FBC2010Res/TPI-2007(STD)

FT/RT=20%(0%)/10(0)

12 03 04 2014

QTY: 1

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

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837

FL COA #0278

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

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDOA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections 83 B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, bracing or erecting of trusses. BCSI places no responsibility on ITWBCG for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, bracing or erecting of trusses. BCSI places no responsibility on ITWBCG for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, bracing or erecting of trusses. BCSI places no responsibility on ITWBCG for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, bracing or erecting of trusses.

Drawings or cover page listing this design shall indicate acceptance of professional engineering responsibility solely for the building design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see this job's general notes page ITW-BCSI www.techg.com TPI www.tpi.net org WDOA www.dciindustry.com

100 www.dciindustry.com

WALTER P. FINN

PROFESSIONAL ENGINEER

FLORIDA

No. 22839

STATE OF

TC LL	20.0 PSF	REF R9114- 15807
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HOURS9114 14097007
BC LL	0.0 PSF	HC-ENG SSB/MPF
TOT. LD	37.0 PSF	SEQN- 364469
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V5C487_202

04/07/2014

(14-045B--BRYAN ZECHE /Burke House -- The Preserves Lake City, FL - H13A 43'8" Steepdown Hip)

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

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

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

Special loads

Dur Fac = 1.25 / Plate Dur Fac = 1.25
TC-From 56 pif at -1.33 to 56 pif at 7.48
TC-From 56 pif at 7.48 to 56 pif at 17.33
TC-From 56 pif at 17.33 to 56 pif at 26.33
TC-From 56 pif at 26.33 to 56 pif at 35.28
TC-From 56 pif at 35.28 to 56 pif at 45.00
BC-From 4 pif at -1.33 to 4 pif at 0.00
BC-From 20 pif at 0.00 to 20 pif at 14.00
BC-From 20 pif at 14.00 to 20 pif at 29.67
BC-From 20 pif at 29.67 to 20 pif at 43.67
BC-From 4 pif at 43.67 to 4 pif at 45.00
BC- 200 00 lb Conc Load at 9.67

Wind loads and reactions based on MMFRS 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 II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCPI(+/-)=0.18

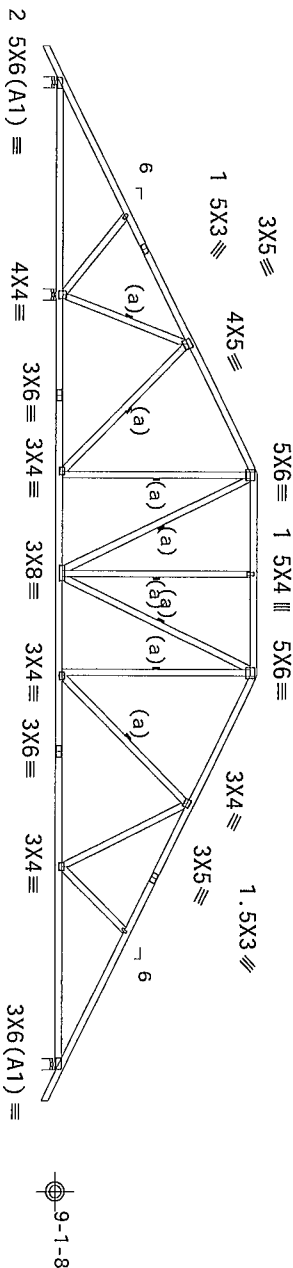
(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load

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

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

Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)



R=333 U=10 W=6'
RL=157/-157

R=2137 U=78 W=6"

R=1316 U=54 W=6'

PLT TYP Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

12.03 04.09.06.14

QTY 1

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

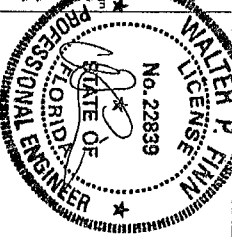
Scale = .125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, shipping, handling, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and WDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses noted otherwise shall have properly attached structural sheathing and bottom chord bracing. Trusses shall be braced at all supports and at all intermediate lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in accordance with this design shall be the responsibility of the contractor. Details of trusses. Apply plates to each face of truss and position as shown above. Details of cover plates. Refer to drawings 1004-2 for standard plate positions. A seal on this drawing or cover page listing this design shall indicate acceptance of professional engineering. This drawing is the property of ITW Building Components Group Inc. and shall not be reproduced or used for any structure without the written consent of ITW Building Components Group Inc. This job is general notes page 1 ITW BCG www.itwbcg.com TPI www.trusses.org WDA www.structure.com IBC www.license.org



TC LL	20.0 PSF	REF R9114- 15808
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUR9114 14097013
BC LL	0.0 PSF	HC-ENG SSB/MMP
TOT. LD.	37.0 PSF	SEON- 364470
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V5C487_Z02

04/07/2014

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

(a) Continuous lateral restraint equally spaced on member

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

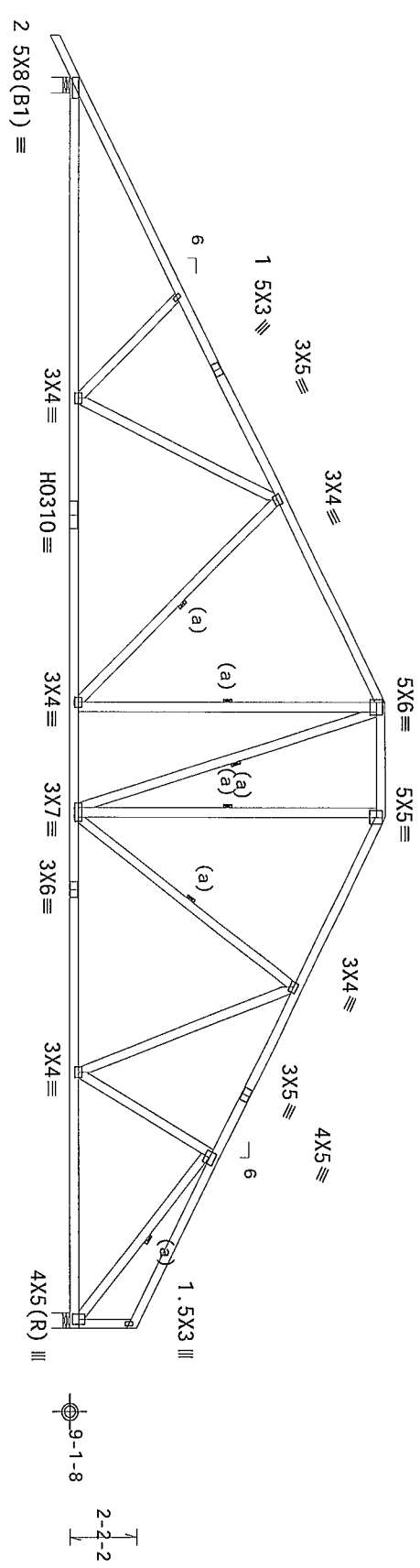
MMFERS loads based on trusses located at least 15 00 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 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 MMFERS with additional C&C member design

Right end vertical not exposed to wind pressure

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

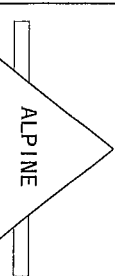


1'-4" 20'-0" 16'-4" 3'-8" 40'-0" Over 2 Supports

R=1600 U=0 W=6" RL=155/-148

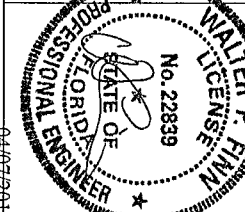
R=1506 U=0 W=6"

PLT TYP 20 Gauge HS Wave Design Crit. FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0) 12.03.04 0888.14 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.



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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and for any damage to property or injury to persons resulting from the use of this design. The user shall be responsible for obtaining all necessary permits and for obtaining all necessary approvals from the appropriate authorities. The user shall be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall be responsible for obtaining all necessary approvals from the appropriate authorities.
Data is unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page is not a substitute for the design shown. The seal is a statement of professional engineering responsibility solely for the design shown. The seal is a statement of professional engineering responsibility solely for the design shown. The seal is a statement of professional engineering responsibility solely for the design shown.
ITW BCSI www.bcsi.org TPI www.tpi.net WTC www.wtcindustry.com IBC www.lobcife.org



TC LL	20.0 PSF	REF R9114- 15809
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUR9114 14097008
BC LL	0.0 PSF	HC-ENG SSB/MPF
TOT. LD.	37.0 PSF	SEQN- 364471
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V5C487_Z02

04/07/2014

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

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

(a) Continuous lateral restraint equally spaced on member

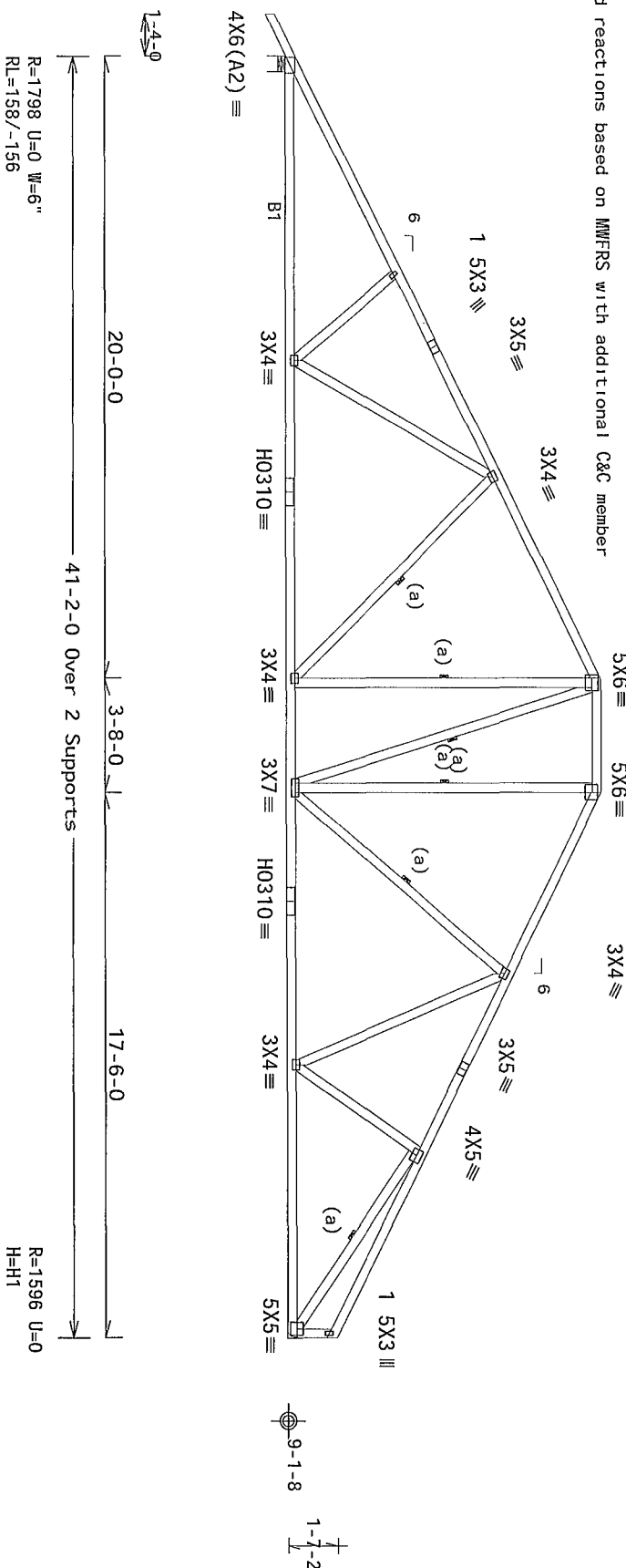
Bottom chord checked for 10 00 psf non-concurrent live load

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

TC- From	56 pif at 9 27 to	56 pif at 20 00	MMFRS loads based on trusses located at least 15 00 ft from roof edge
TC- From	56 pif at 20 00 to	56 pif at 23 67	
TC- From	56 pif at 23 67 to	56 pif at 32 61	

TC-From	56 pif at 32 61 to	56 pif at 41 17
BC-From	4 pif at -1 33 to	4 pif at 0 00
BC-From	20 pif at 0 00 to	20 pif at 14 00
BC-From	20 pif at 14 00 to	20 pif at 27 17
BC-From	20 pif at 27 17 to	20 pif at 41 17
BC-200 00 lb Conc Load at	9 67	

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

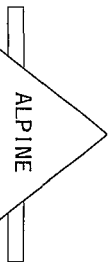


Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

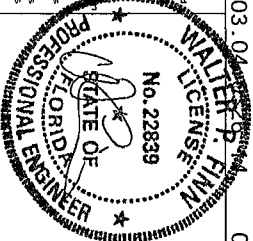
12.03.04 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

203



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



FL/-/5/-/-/R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R9114- 15810
TC DL	7.0 PSF	DATE 04/07/14
BC DL	10.0 PSF	DRW HCUR9114 14097015
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	37.0 PSF	SEQN- 364472
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V5C487_Z02

THIS TWO PAGED ENROLL COMPUTER INPUT (LOAD & DIMENSIONS) SUBMITTED BY TRILSS MFR

Bot chord 2x4 SP 2850f-2 3E

Webs 2x4 SP #3-13B W9 2x4 SP #2-13B

W11 2x4 SP #1-13B

Lt Wedge 2x6 SP #2-13B

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

(1) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance

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

Wind loads and reactions based on MMFRS

Calculated horizontal deflection is 0.12" due to live load and 0.16" due to dead load

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

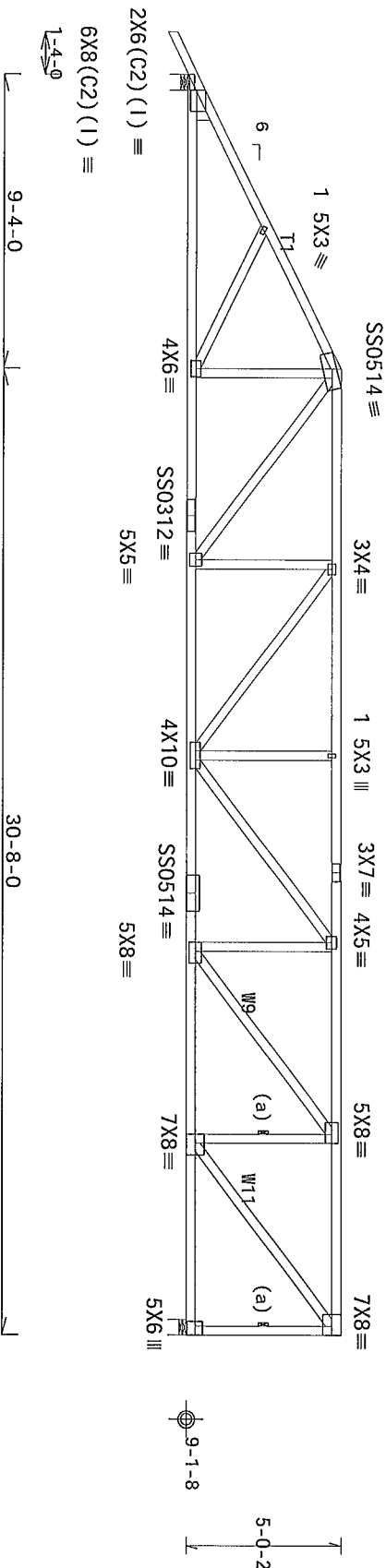
Calculated vertical deflection is 0.50" due to live load and 0.64" due to dead load at $X = 21.7$ -9

Special loads	Dur Fac = 1	25 /	Plate	Dur Fac = 1	25)
-----Lumber					
TC- From	56 pif at -1	33 to	56 pif at	9	33
TC- From	28 pif at	9	33 to	28	pif at 25
TC- From	28 pif at	25	33 to	28	pif at 40
BC- From	4 pif at -1	33 to	4 pif at	0	00
BC- From	20 pif at 0	00 to	20 pif at	9	36
BC- From	10 pif at	9	36 to	10	pif at 14
BC- From	10 pif at	14	00 to	10	pif at 26
BC- From	10 pif at	26	00 to	10	pif at 40
TC- 170 81 lb Conc	Load at	9	40, 11	40, 13	40, 15
TC- 170 81 lb Conc	Load at	9	40, 11	40, 13	40, 15
35 40, 37 40, 39 40					
BC- 1307 69 lb Conc	Load at	9	36		
BC- 126 51 lb Conc	Load at	11	40, 13	40, 15	40, 17
19 40, 21 40, 23 40, 25 40, 27 40, 29 40, 31 40, 33 40, 35 40					
37 40, 39 40					

Right end vertical not exposed to wind pressure

(a) Continuous lateral restraint equally spaced on member

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



R=3924 U=322 W=6"

R=3960 U=345 W=6"

PLT TYP 18 Gauge HS, Wave

Design Crit.: FBC2010Res/TP1-2007(STD)

12-03-04

OTY:1 EI /- /5 /- /- /B /-

Scale = 1875"/E+

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

*******PUSH IN THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS*******

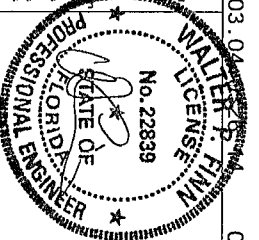
Trussess require extensive care in fabricating and handling shipping and bracing. Follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WTCO for safety instructions on how to perform the various functions. Installers shall provide temporary bracing per BCSI. Trussess shall have a properly attached "rigid ceiling" (see drawings) and bottom chord locations shown for permanent lateral restraint of the truss. Trussess shall have bracing installed per BCSI sections 3.1, 3.7 or 3.10, as appl. cable.

Refer to and

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FI COA #0278



04/07/2014

TC LL	20.0 PSF	REF	R9114 - 15811
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCU89114 14097028
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD.	37.0 PSF	SEQN-	364478
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf G_{cp1} (+/-)=0.18

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

Right end vertical not exposed to wind pressure

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

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



Design Crit. FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

12.03.04

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

Scale = .1875"/Ft.

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

RECEIVED
FBI
JAN 10 1964

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

REF R9114- 15812

Trussers require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WJCA for safety practices and details. Truss installers shall provide temporary bracing per BCSI for safety.

INCREASE

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

DATE	04/07/14
------	----------

Unless noted otherwise, the top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have brace not detailed per BCSP sections B3, B7, or B10 as applicable.

No. 22839

BC DL	10 0 F
-------	--------

DRW HCUSR9114 1409700

17W Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from the design or construction of the crane system if the crane system is installed in accordance with the design and construction of the crane system. ITWBCG shall not be responsible for any failure to build the crane in conformance with ANSI/PTI 1 or for handling, shipping, installing or operating the crane.

STATE OF

BC LL	0.0
TOT L	0.0

HC-ENG SSB/WPF

Dracing at crosses. Apply plates to each trace of cruxes and position as shown above and on the jo nt. Data is unless noted otherwise. Refer to drawings 160A-2 for standard plate posit ons. A seal on th e drawing or cover page listing this drawing indicates acceptance of professional engineering drawings and use of the decision for any structure.



Professional Engineer Seal of the State of Florida

101:LD	37.0
DIR EAC	1 25

SEUN - 3644/3

responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job's general notes page ITR-BDC www.itrbdc.com TPI www.tpiinst.org WITCA www.sbc.industry.com ITC www.create.org

Journal

SPACING 24.0"

JREF- 1W5C487 Z02

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

responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec 2. For more information see This job's general notes page. ITR-BCG www.itwbcg.com TPI www.tpinet.org WDA www.sdcindustry.com ICC www.ccsafe.org

04/07/2014

DUR.FAC.	1.25
SPACING	24.0"

JREF- 1W5C487_Z02

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

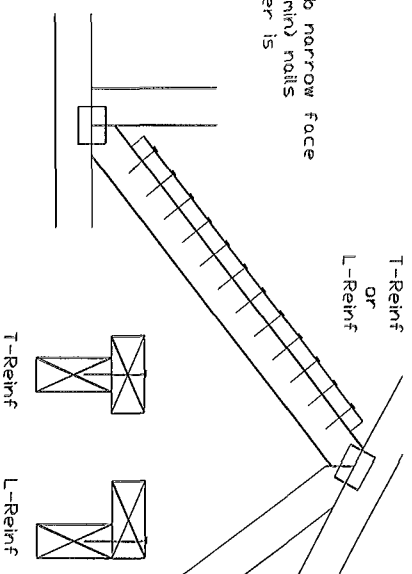
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x5	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(*) Center scab on wide face of web Apply (1) scab to each face of web

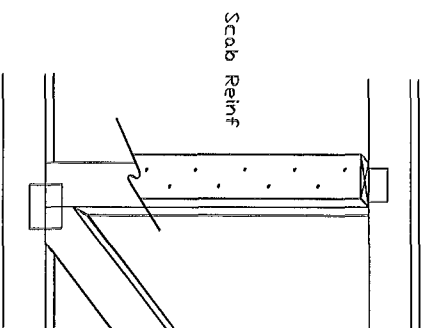
T-Reinforcement or L-Reinforcement

Apply to either side of web narrow face Attach with 10d (0.128"x3.0", min) nails at 6" o.c Reinforcing member is a minimum 80% of web member length



Scab Reinforcement:

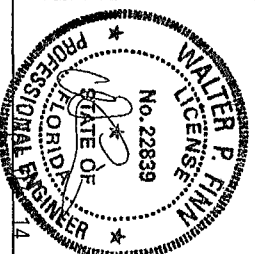
Apply (scabs) to wide face of web No more than (1) scab per face Attach with 10d (0.128"x3.0", min) nails at 6" o.c Reinforcing member is a minimum 80% of web member length.



Building Components Group Inc.

Earth City MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the manufacturer's instructions for proper installation and bracing. Do not modify or alter the truss design or specifications without the approval of the manufacturer. The manufacturer shall provide temporary bracing per AISI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs or trusses shall be maintained. Do not use alternative bracing details to each face of the truss and space below sections. The joints shall be welded, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from the drawing, any failure to build the truss in accordance with AISI/TPI 1, or for handling, shipping, installation or use of the truss. A seal on this drawing or cover page listing this drawing, indicates acceptance or professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec.2. Where indicated, see the job's specifications. See the manufacturer's website for more information. ITW Building Components Group Inc. 1604-2 Sec.2. See the manufacturer's website for more information.

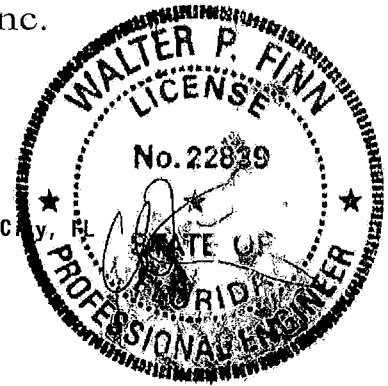


TC LL	PSF	REF	CLR Subst
TC DL	PSF	DATE	8/15/13
BC DL	PSF	DRWG	BRCLBSU30813
BC LL	PSF		
TOT LD	PSF		
DUR FAC			
SPACING			

04/07/2014

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 1V74487-Z0411072137



Truss Fabricator **Anderson Truss Company**
Job Identification **14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake Clay**
Truss Count **31**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Res/TPI-2007(STD)**
Engineering Software **Alpine Software, Version 13.02.**
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

-06/11/2014

Wind - 120 MPH ASCE 7-10 -Closed

Notes

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-12015EC1-GBLLETIN-GABRST10

#	Ref	Description	Drawing#	Date
1	55027--A	40' Mono Hip	14162001	06/11/14
2	55028-A1	48' 9" Mono Hi	14162002	06/11/14
3	55029-A2	48' 9" Mono Hi	14162024	06/11/14
4	55030-A3	41' 4" 8 Stepdo	14162025	06/11/14
5	55031--B	9' 4" Common	14162003	06/11/14
6	55032--BDG	9' 4" Gable	14162026	06/11/14
7	55033--C	20' 4" Common	14162004	06/11/14
8	55034--C1	20' 4" Common	14162005	06/11/14
9	55035--CDG	20' 4" Common	14162006	06/11/14
10	55036--CJ	1' 9" 8 Jack	14162007	06/11/14
11	55037--CJ1	1' 6" 14 Jack	14162008	06/11/14
12	55038--CJ2	4' 5" 8 Jack	14162009	06/11/14
13	55039--CJ3	3' 0" 14 Jack	14162010	06/11/14
14	55040--CJ4	4' 6" 14 Jack	14162011	06/11/14
15	55041--CJ5	7' 1" 8 Jack	14162012	06/11/14
16	55042--CJ6	6' 0" 14 Jack	14162013	06/11/14
17	55043--EJ7	7' End Jack	14162014	06/11/14
18	55044--EJ7A	7' End Jack	14162015	06/11/14
19	55045--EJ7B	7' End Jack	14162016	06/11/14
20	55046--H7	43' 8" Stepdow	14162027	06/11/14
21	55047--H9	43' 8" Stepdow	14162017	06/11/14
22	55048--H11	43' 8" Stepdo	14162018	06/11/14
23	55049--H13	43' 8" Stepdo	14162019	06/11/14
24	55050--H15	41' 4" 8 Stepd	14162028	06/11/14
25	55051--HJ7	11' 8" Hip Ja	14162029	06/11/14
26	55052--HJ7A	11' 8" Hip J	14162030	06/11/14
27	55053--MH7	40' Mono Hip	14162031	06/11/14
28	55054--MH9	40' Mono Hip	14162020	06/11/14
29	55055--MH11	40' Mono Hi	14162021	06/11/14
30	55056--MH13	40' Mono Hi	14162022	06/11/14
31	55057--MH15	40' Mono Hi	14162023	06/11/14

31959

THIS FILE PREPARED FROM COMPUTER INPUT (CODE & DIMENSIONS) SUBMITTED BY IDIUS MCB

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

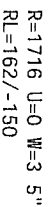
120 mph wind	15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf	GCP1(+/-)=0 18
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Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

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

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



R=1639 U=0 W=6

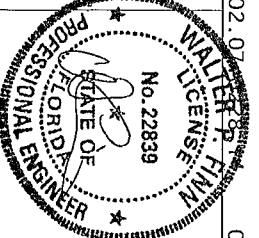
Design Crit FBC2010Res/TP1-2007(STD)

OTY 2 FI /- /5 /- /- /R /-

Scale = 1875"/Ft+

~~ITV Building Components Group Inc.~~

Orlando FL, 32837
FL COA #0278

[illegible]

06/11/2014

2 FL/-/5/-/-/R/-		Scale = .1875"/Ft	
TC LL	20 0 PSF	REF	R9114 - 55027
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCU89114 14162001
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT LD	37 0 PSF	SEQN-	380069
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

(a) Continuous lateral restraint equally spaced on member

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

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 -231# MAX (See below) from a non-wind load case requires uplift connection

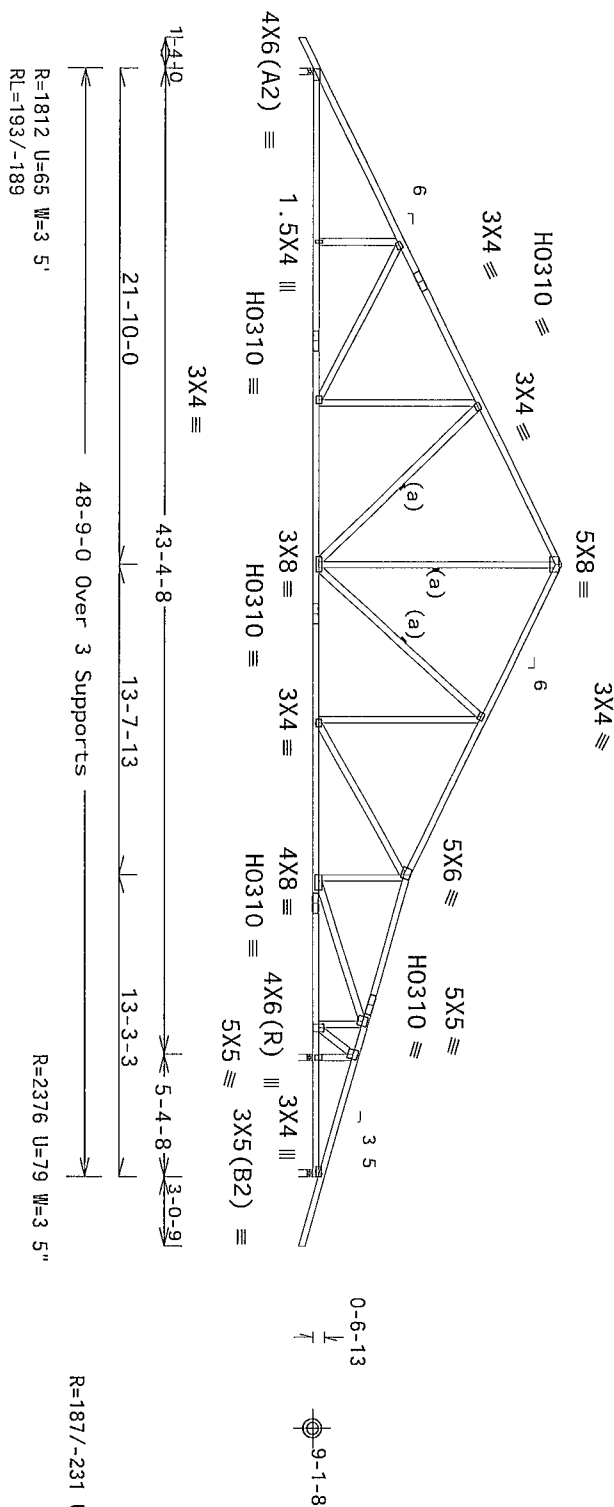
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS 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

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



R=187/-231 U=89 W=3.5"

PLT TYP 20 Gauge HS, Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)	

13 02 07

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

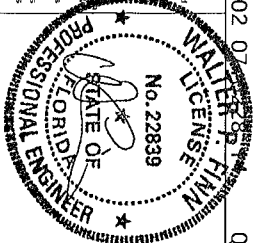
Scale = .125"/Ft.

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

2000

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

[illegible]

06/11/2014

TC LL	20.0 PSF	REF R9114- 55028
TC DL	7.0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW H09R9114 14162002
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD	37.0 PSF	SEQN- 380137
DUR.FAC	1.25	
SPACING	24.0"	JREF - 1V74487_Z04

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

Special loads	Dur	Fac = 1/25	Plate	Dur	Fac = 1/25
-----Lumber					
TC- From	56	pif at 21	83	56	pif at 21
TC- From	56	pif at 21	83	56	pif at 21
TC- From	55	pif at 21	83	55	pif at 35
TC- From	55	pif at 35	48	55	pif at 51
BC- From	4	pif at 1	33	4	pif at 0
BC- From	4	pif at 1	33	4	pif at 1
BC- From	120	pif at 0	00	120	pif at 11
BC- From	120	pif at 11	21	120	pif at 11
BC- From	20	pif at 1	21	20	pif at 16
BC- From	60	pif at 16	79	60	pif at 19
BC- From	60	pif at 16	79	60	pif at 23
BC- From	20	pif at 19	04	20	pif at 29
BC- From	60	pif at 23	86	60	pif at 27
BC- From	20	pif at 27	86	20	pif at 29
BC- From	20	pif at 29	79	20	pif at 48
BC- From	4	pif at 48	75	4	pif at 51
BC- 200	00	1b	Cone Load at 9	48	4
					pif at 51
					80

Negative reaction(s) of -366# 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 6 50 ft from roof edge RISK CAT II, EXP B wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI(+/-)-0 18

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

Calculated horizontal deflection is 0 13 due to live load and 0 16 due to dead load

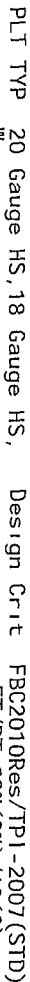
(a) Continuous lateral restraint equally spaced on member

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

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

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

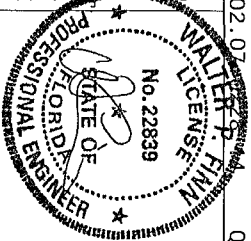
MWFRS loads based on trusses located at least 7 50 ft from roof edge



Scale = .125"/Ft.

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Orlando FL, 32837
FL COA #0278

[illegible]

TC LL	20.0 PSF	REF	R9114- 55029
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCSR9114 14162024
BC LL	0.0 PSF	HC-ENG	JB/M/PF
TOT. LD	37.0 PSF	SEQN-	3339955
DUR. FAC.	1.25		
SPACING	24.0"	JREF -	1V74487_Z04

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 GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS.

(a) Continuous lateral restraint equally spaced on member

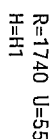
Bottom chord checked for 10 00 psf non-concurrent live load

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

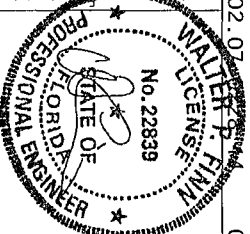
factor for dead load is 1.50

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

$5X6 \equiv$
 $2.5X6 \equiv$
 $3X4 \equiv$
 $1.5X3 \equiv$



Scale = .1875"/Ft

[illegible]

06/11/2014

TC LL	20.0 PSF	REF	R9114- 55030
TC DL	7.0 PSF	DATE	06/17/14
BC DL	10.0 PSF	DRW	H05R9114 14162025
BC LL	0.0 PSF	HC-ENG	JB/WJPF
TOT LD.	37.0 PSF	SEQN-	380140
DUR. FAC	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

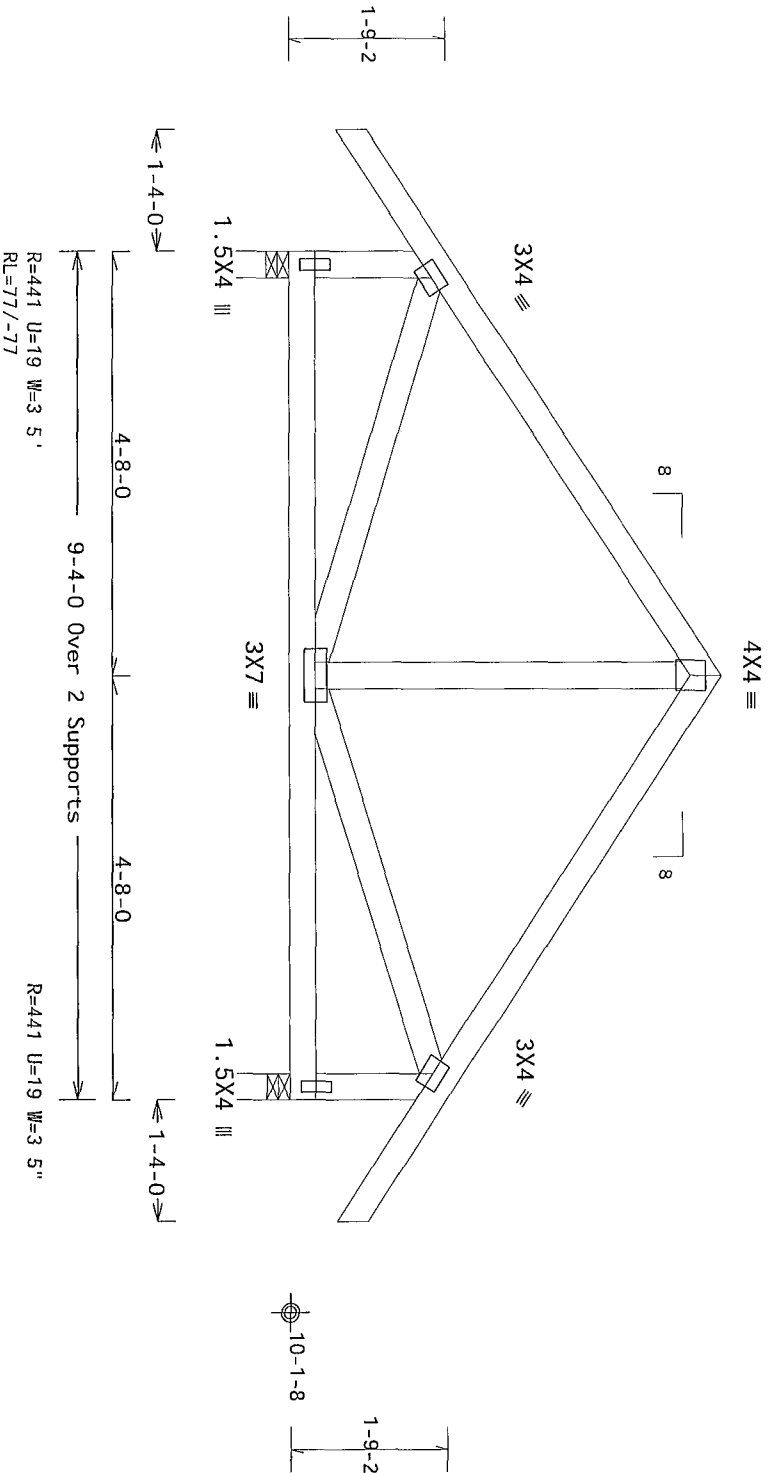
(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - B 9 4' Common)

Value Set 13B (Effective 6/1/2013)
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Lumber value set '13B' uses 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 GCP(+/-)=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=20%(0%)/10(0)

13 02 07

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

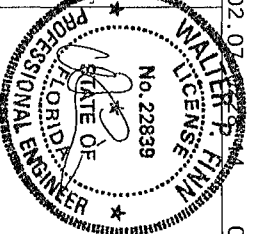
Scale = .5"/Ft.

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 and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information on by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI practices noted elsewhere. Top chord shall be properly braced. Structural bracing and bottom chord shall be braced in accordance with BCSI practices. All bracing shall be installed prior to erection of the truss. All bracing shall have bracing installed per BCSI section 83.87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any delay or from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping and installation of trusses. Apply plates to each face of truss and post on as shown above and on the joint. A seal on the drawing of cover plate fastening and cases acceptance of professional engineering member. The responsibility of the Building Designer per ANSI/TPI 1 Section 2. For more information on see general notes page ITW-TRC www.truss.com TPI www.tpi.net WTCA www.structure.com
ITC www.truss.com



TC LL	20.0 PSF	REF	R9114- 55031
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCSR9114 14162003
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	380127
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

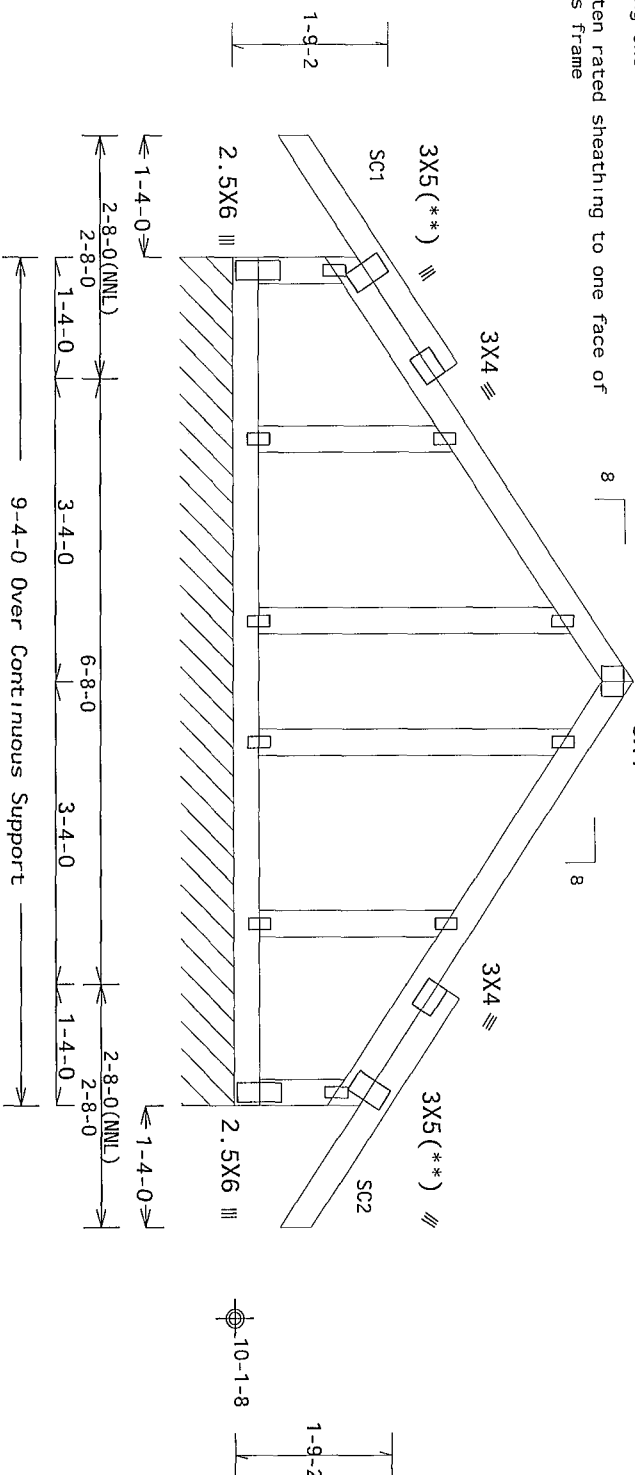
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Lumber value set '13B uses design values approved 1/30/2013 by ALSC

Truss spaced at 24 0 0C designed to support 2-0-0 top chord
outlookers Cladding load shall not exceed 10 00 PSF Top chord must
not be cut or notched

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

Fasten rated sheathing to one face of this frame



R=205 PLF U=74 PLF W=9-4-0
RL=16/-16 PLF

Note	All Plates Are 1 5X3 Except As Shown
PLT TYP	Wave
	Design Crit
	FBC2010Res/TP1-2007(STD)
	FT/RT=20%(0%)/10(0)

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

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

Trussos require deck trusses in *major* (all) shipping, installing and bracing. Refer to section 10.1.1.1 for more information. Trussos shall follow the latest edition of BCOS (but not Compensate Safety Information on by TPI and WITA) for safety. Trussos can print or to perform any these functions. Installers shall provide temporary bracing per BCOS. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of walls shall have bracing installed per BCOS section 8.3.7 or 8.10 as applicable.

ITW Building Components Group Inc. ("ITBCG") shall not be responsible for any deviation from the design or installation instructions set forth herein, or for any failure to build the truss in conformance with ANSI/APA 10 or for handling shipping or installing of the trusses. Apply plates to each face of truss and post it on as shown above and on the joint details unless noted otherwise. Refer to drawings IBOH-2 for standard plate positions. A seal on the

drawn or cover page list the design drawings and acceptance of professional engineering services by the contractor. The submittal by and use of the design for any structure shall be in accordance with the provisions of the applicable code. The job shall be in accordance with the provisions of the applicable code. The job shall be in accordance with the provisions of the applicable code.

(**) 2 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, 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

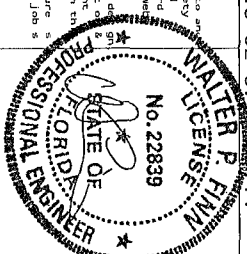
See DWGS A12015ENC100212 GBLLET11N0212, & GABRST100212 for more requirements

In lieu of structural panels use purlins to brace TC @ 24" OC
Bottom chord checked for 10.00 psf non-concurrent live load
Deflection meets L/240 live and L/180 total load Creep increases
Factor for dead load is 1.50

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



06/11/2014

TC LL	20.0 PSF	REF	R9114- 55032
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCU8R914 14162026
BC LL	0.0 PSF	HC-ENG JB/MPF	
TOT LD	37.0 PSF	SEON-	380123
DUR FAC.	1 25		
SPACING	24.0"	JREF-	1V74487_Z04

RECEIVED BY POLICE WITH

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

Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

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

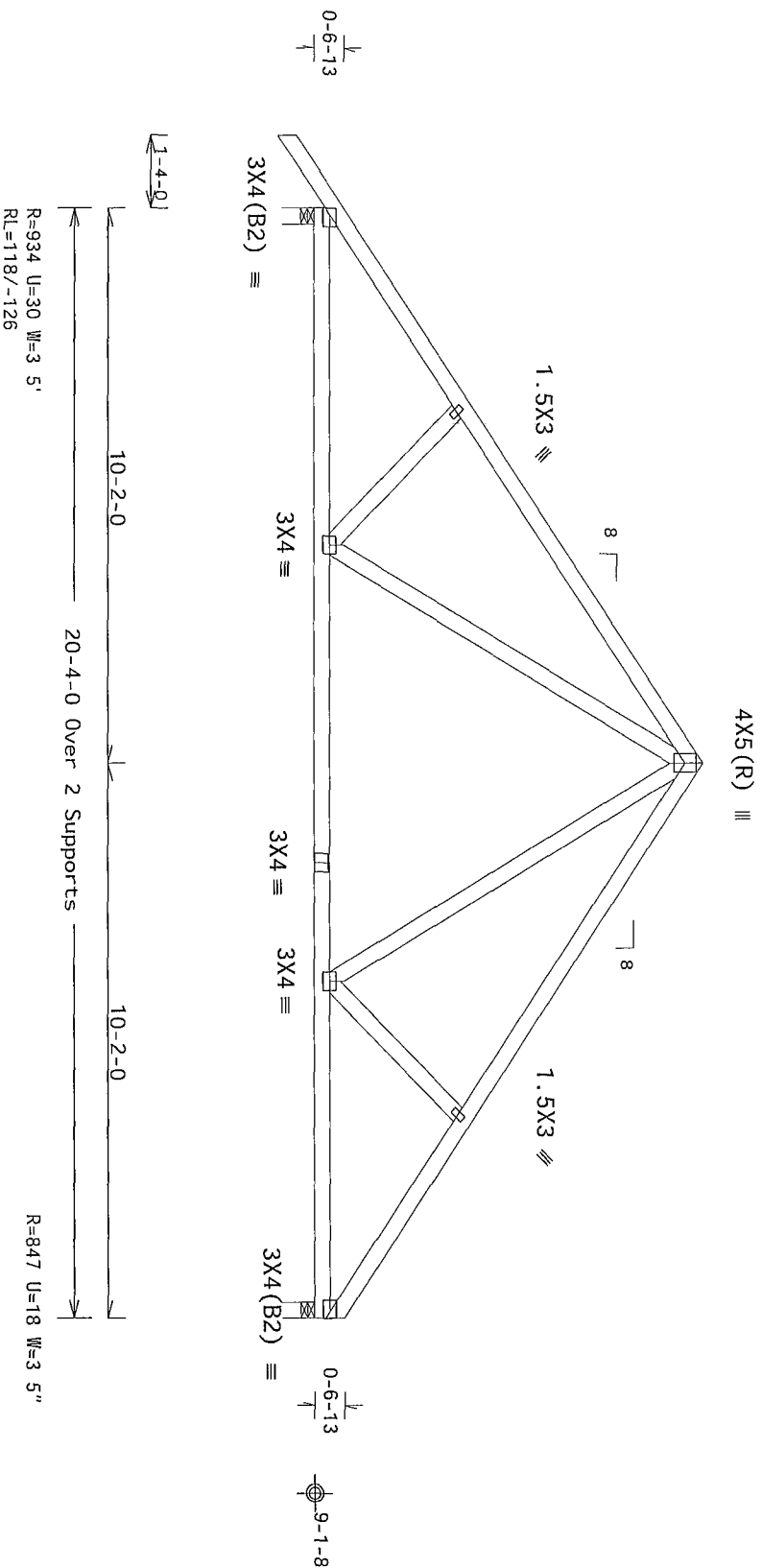
Deflection meets $L/240$ live and $L/180$ total load Creep increases factor for dead load is 1.50

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 RC DL=5 0 nsf	$\phi_{ch} (+/-)=0 18$
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Wind loads and reactions based on MWFRS with additional C&C member design

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

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



PLT Typ Wave

Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

13 02 07 0228.14

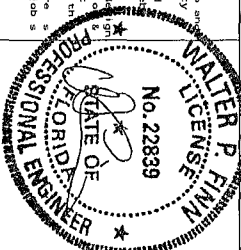
QTY 6 FL/-/5/-/-/R/-

Scale = .3125"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

06/11/2014

TC LL	20.0 PSF	REF	R9114- 55034
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCU8R9114 14162005
BC LL	0 0 PSF	HC-ENG	JB/MPF
TOT LD	37.0 PSF	SEQN-	380155
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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
surrounding in roof DISK CAT II EYD R wind TC II-3 5 ref wind RC

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
--------------	-------------------	-----------	---	-------	---------------------	--------------------	-----------------

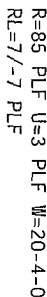
DL=5 0 psf GCp1 (+/-)=0 18

Wind loads and reactions based on MNF-RS with additional C&C member design

See DWGS A12015ENC100212 GBLLETIN0212, & GABRS1100212 for more requirements

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

$$4 \times 4 =$$


Design Crit FBC2010Res/TP1-2007(STD)

$$FT/RT=20\%(0\%)/10(0)$$

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

Scale = .3125"/Ft.

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

מבין

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

Tuscans require the same data as the other countries. The data is collected by the Italian National Institute of Statistics (ISTAT) and is available on the ISTAT website. The data is collected by the Italian National Institute of Statistics (ISTAT) and is available on the ISTAT website. The data is collected by the Italian National Institute of Statistics (ISTAT) and is available on the ISTAT website.

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

06/11/2014

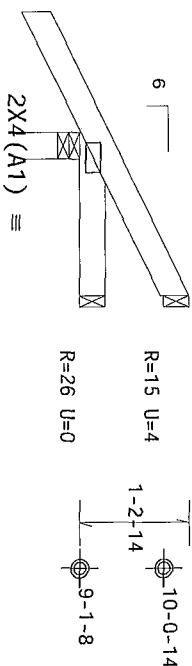
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TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCU89114 14162006
BC LL	0.0 PSF	HC-ENG	JB/WMPF
TOT.LD	37.0 PSF	SEQN-	380077
DUR.FAC	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

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

Lumber value set '13B' uses 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 GCP1 (+/-)=0 18



$\leftarrow 1-4-0 \rightarrow$
 $\leftarrow 1-9-8 \text{ Over } 3 \text{ Supports} \rightarrow$

R=194 U=16 W=3 5
RL=25

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD)	FT/RT=20%(0%)/10(0)
Design Crit	FBC2010Res/TP1-2007(STD)	FT/RT=20%(0%)/10(0)

13 02 07 2288 01 Q

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

Scale = .5"/Ft.

ALPINE

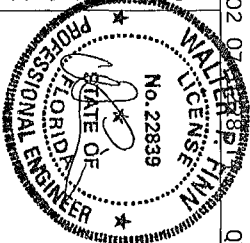
ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

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

Trussing required to be constructed using a fully cataloged, hand-drawn detailing and bracing. Refer to safety follow the latest edition of BCSP (but if any Component Safety Information on by 761 and W760) for safety practice prior to performing any trussing functions. Installers shall provide temporary bracing per BCSP unless noted otherwise. No third party shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid end ring. Lock down shown for permanent lateral restraint of webs shall have bracing attached per BCSP sect. 83.87 or B10 as applicable.

ITW Building Components Group Inc. (**IWBGCS**) shall not be responsible for any deviation from this design.
ITW Build to Buy Ltd the trust, in compliance with ANSI/TPI-1 or for handling any shipping material on the
loading of cranes. Apply plates to each face of truss and post it on as shown above and on the Joist
brace is unless noted otherwise. Refer to drawings IWB0-2 for standard plate post connection details on the
responsible liability solely for the building designer per ANSI/TPI-1 Sec 2. For more information see This job can
general notes page IWB-BIG www tcbog.com TPI www tpi.net.org WICA www shendustry.com



06/11/2014

TC LL	20.0 PSF	REF	R9114- 55036
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCU8R9114 14162007
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT.LD	37.0 PSF	SEQN-	380078
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

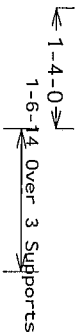
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

anywhere in foot, risk cal 11, exp b wind ic de=3 s pst, wind bu
 DL=5 0 psf GCP1 (+/-)=0 18

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

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



RL=32/-23

Design Crit	FBC2010Res/TP1-2007(STD), FT/RT=20%(0%)/10(0)
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1.1.1.2	1.1.1.2
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1.1.1.97	1.1.1.97
1.1.1.98	1.1.1.98
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1.1.1.100	1.1.1.100

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

Scale = .5"/Ft.

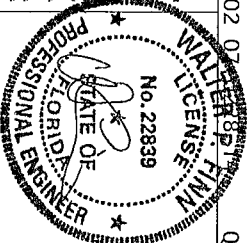
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 SUBMIT THIS DESIGN TO ALL CONTRACTORS INCLUDING ELECTRICAL

[illegible]

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278



TC LL	20.0 PSF	REF	R9114- 55037
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCSR9114 14162008
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	380079
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

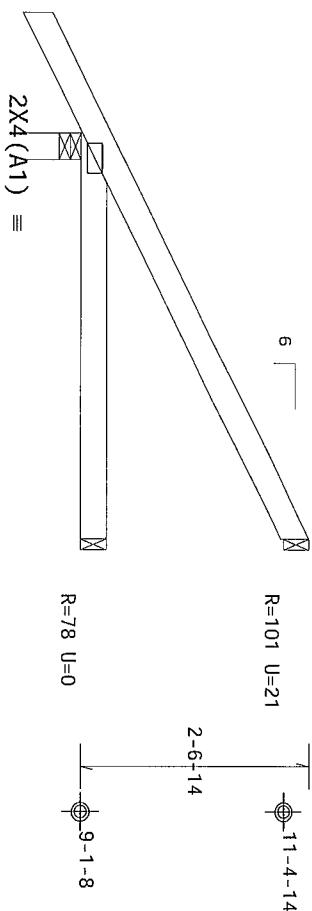
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located

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

design

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



1-4-0
4-5-8 Over 3 Supports →
R=270 U=9 W=3 5"
RL=47/-20

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)	

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

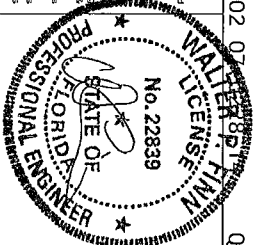
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** DISMISSTHIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trustees requ re extreme care in fabricating and handling all piping meeting and bending
Refer to and follow the latest edition of BCSI (Building Components Safety Information) from by TPI and WTCO (for safety
factor see prior to performing these functions. Installers shall provide temporary bracing per BCSI
Installments needed otherwise the third shal have properly attached structural sheathing and bottom chord
shall have bracing installed per BCSI section 88, 87 or 810 as noted cable.
11W Builidng Components Forum Inc. (IIBBCB) shall not be responsible for any damage from the design
any failure to build in conformance with the ANSI/TPI-1 or for handling all piping and installation on
Bracing of untested members. Apply plates to each face of truss and post in an ash above and on the Joist
Beams is unless noted otherwise. Refer to draw ngs TBOLA-Z for standard plate pos tions. A seal on this
document is required for the release of professional seals and engineering stamps. The release of this document without the responsibility solely for the design shown herein. For more information see Th s job s
the responsible bility of the build ng designers per ANSI/TPI-1 Sec 2. For more information see Th s job s
general notes page. IIBB-CG www.tbco.org TPI www.tpi.net WTCO www.shoindustry.com
CGC www.cgscare.org



06/11/2014

TC LL	20.0 PSF	REF	R9114- 55038
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	H0USR9114 14162009
BC LL	0.0 PSF	HC-ENG	JB/WMPF
TOT.LD.	37.0 PSF	SEQN-	380080
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

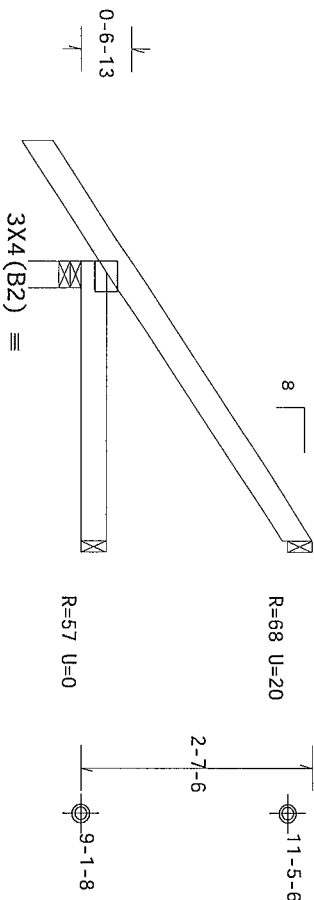
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located

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



1-4-0
3-0-14 Over 3 Supports

R=222 U=3 W=3 5"
RL=48/-28

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)	

13 02 07 448801 0

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

Scale = .5"/ft.

ALPINE

ITW Building Components Group Inc.

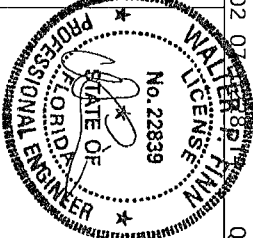
Orlando FL, 32837
FL COA #0278

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

Tenusers requir to extomce care, n fubidng mntaining sp ng metal ing and bracing Refer to and safety follow the latest editioe on of BCS1 n fubidng Compoment Safety Informetion on by TPI and WTCO) for safety practice es prior to performing These functioes Insallers shall provie temporary bracing per BCS1 Unlss noted othewise as Top chord shall have properly attached structural sheath ing and bottom chords shall have bee ing metal ed per BCS1 sectioe BB BJ or BIO as appli cable

n fubidng Compoment's Group Inc (TIBBGS) shall not be responsib le for any day at on from th s design any fu lture to bu id the truss, n conformence w th ANSI/TPI 1 or for handling sp ng metal on s design ng undertaken at sp ng plades Referece to 1609-2 does not oses shewn above and on the sp ng metal on s design ng of cover pages It is th eir own drawing n caten acconess of professioe and near ng responsibility solely for the design shown The sub tab l ety and use of th s des gn for any structure s the responsibility of the build ng design per ANSI/TPI 1 Sec 2 For more information see Th s job s general notes page TIB-BGG www tibogg com TPI www tpi net org WTCO www sbcindustry com

gennal cessary org



06/11/2014

TC LL	20.0 PSF	REF R9114- 55039
TC DL	7.0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCUSR9114 14162010
BC LL	0.0 PSF	HC-ENG JB/M/PF
TOT LD.	37 0 PSF	SEGN- 380081
DUR.FAC.	1 25	
SPACING	24.0"	JREF- 1V74487_Z04

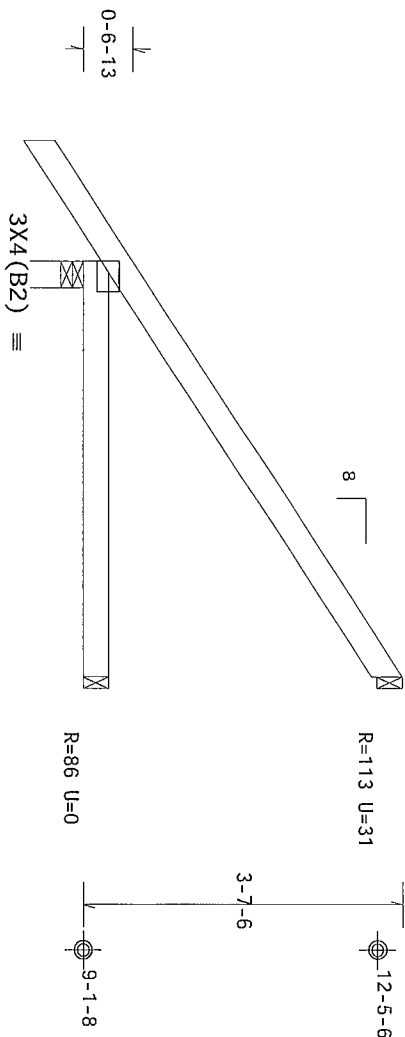
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

within 4.50 ft from roof edge, Risk Cat II, Exp B, wind IC 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



1-4-0

4-6-14 Over 3 Supports →

R=273 U=0 W=3 5"
RL=64/-33

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)	

13 02 07 11 15 19 23 27 31 35 39 43 47 51 55 59 63 67 71 75 79 83 87 91 95 99 103 107 111 115 119 123 127 131 135 139 143 147 151 155 159 163 167 171 175 179 183 187 191 195 199 203 207 211 215 219 223 227 231 235 239 243 247 251 255 259 263 267 271 275 279 283 287 291 295 299 303 307 311 315 319 323 327 331 335 339 343 347 351 355 359 363 367 371 375 379 383 387 391 395 399 403 407 411 415 419 423 427 431 435 439 443 447 451 455 459 463 467 471 475 479 483 487 491 495 499 503 507 511 515 519 523 527 531 535 539 543 547 551 555 559 563 567 571 575 579 583 587 591 595 599 603 607 611 615 619 623 627 631 635 639 643 647 651 655 659 663 667 671 675 679 683 687 691 695 699 703 707 711 715 719 723 727 731 735 739 743 747 751 755 759 763 767 771 775 779 783 787 791 795 799 803 807 811 815 819 823 827 831 835 839 843 847 851 855 859 863 867 871 875 879 883 887 891 895 899 903 907 911 915 919 923 927 931 935 939 943 947 951 955 959 963 967 971 975 979 983 987 991 995 999 1003 1007 1011 1015 1019 1023 1027 1031 1035 1039 1043 1047 1051 1055 1059 1063 1067 1071 1075 1079 1083 1087 1091 1095 1099 1103 1107 1111 1115 1119 1123 1127 1131 1135 1139 1143 1147 1151 1155 1159 1163 1167 1171 1175 1179 1183 1187 1191 1195 1199 1203 1207 1211 1215 1219 1223 1227 1231 1235 1239 1243 1247 1251 1255 1259 1263 1267 1271 1275 1279 1283 1287 1291 1295 1299 1303 1307 1311 1315 1319 1323 1327 1331 1335 1339 1343 1347 1351 1355 1359 1363 1367 1371 1375 1379 1383 1387 1391 1395 1399 1403 1407 1411 1415 1419 1423 1427 1431 1435 1439 1443 1447 1451 1455 1459 1463 1467 1471 1475 1479 1483 1487 1491 1495 1499 1503 1507 1511 1515 1519 1523 1527 1531 1535 1539 1543 1547 1551 1555 1559 1563 1567 1571 1575 1579 1583 1587 1591 1595 1599 1603 1607 1611 1615 1619 1623 1627 1631 1635 1639 1643 1647 1651 1655 1659 1663 1667 1671 1675 1679 1683 1687 1691 1695 1699 1703 1707 1711 1715 1719 1723 1727 1731 1735 1739 1743 1747 1751 1755 1759 1763 1767 1771 1775 1779 1783 1787 1791 1795 1799 1803 1807 1811 1815 1819 1823 1827 1831 1835 1839 1843 1847 1851 1855 1859 1863 1867 1871 1875 1879 1883 1887 1891 1895 1899 1903 1907 1911 1915 1919 1923 1927 1931 1935 1939 1943 1947 1951 1955 1959 1963 1967 1971 1975 1979 1983 1987 1991 1995 1999 2003 2007 2011 2015 2019 2023 2027 2031 2035 2039 2043 2047 2051 2055 2059 2063 2067 2071 2075 2079 2083 2087 2091 2095 2099 2103 2107 2111 2115 2119 2123 2127 2131 2135 2139 2143 2147 2151 2155 2159 2163 2167 2171 2175 2179 2183 2187 2191 2195 2199 2203 2207 2211 2215 2219 2223 2227 2231 2235 2239 2243 2247 2251 2255 2259 2263 2267 2271 2275 2279 2283 2287 2291 2295 2299 2303 2307 2311 2315 2319 2323 2327 2331 2335 2339 2343 2347 2351 2355 2359 2363 2367 2371 2375 2379 2383 2387 2391 2395 2399 2403 2407 2411 2415 2419 2423 2427 2431 2435 2439 2443 2447 2451 2455 2459 2463 2467 2471 2475 2479 2483 2487 2491 2495 2499 2503 2507 2511 2515 2519 2523 2527 2531 2535 2539 2543 2547 2551 2555 2559 2563 2567 2571 2575 2579 2583 2587 2591 2595 2599 2603 2607 2611 2615 2619 2623 2627 2631 2635 2639 2643 2647 2651 2655 2659 2663 2667 2671 2675 2679 2683 2687 2691 2695 2699 2703 2707 2711 2715 2719 2723 2727 2731 2735 2739 2743 2747 2751 2755 2759 2763 2767 2771 2775 2779 2783 2787 2791 2795 2799 2803 2807 2811 2815 2819 2823 2827 2831 2835 2839 2843 2847 2851 2855 2859 2863 2867 2871 2875 2879 2883 2887 2891 2895 2899 2903 2907 2911 2915 2919 2923 2927 2931 2935 2939 2943 2947 2951 2955 2959 2963 2967 2971 2975 2979 2983 2987 2991 2995 2999 3003 3007 3011 3015 3019 3023 3027 3031 3035 3039 3043 3047 3051 3055 3059 3063 3067 3071 3075 3079 3083 3087 3091 3095 3099 3103 3107 3111 3115 3119 3123 3127 3131 3135 3139 3143 3147 3151 3155 3159 3163 3167 3171 3175 3179 3183 3187 3191 3195 3199 3203 3207 3211 3215 3219 3223 3227 3231 3235 3239 3243 3247 3251 3255 3259 3263 3267 3271 3275 3279 3283 3287 3291 3295 3299 3303 3307 3311 3315 3319 3323 3327 3331 3335 3339 3343 3347 3351 3355 3359 3363 3367 3371 3375 3379 3383 3387 3391 3395 3399 3403 3407 3411 3415 3419 3423 3427 3431 3435 3439 3443 3447 3451 3455 3459 3463 3467 3471 3475 3479 3483 3487 3491 3

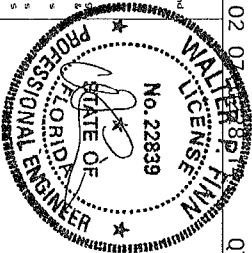
QTY 3 FL/-/5/-/-/R/-

Scale = 5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

06/11/2014

TC LL	20.0 PSF	REF R9114- 55040
TC DL	7.0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCUR9114 14162011
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT LD	37.0 PSF	SEQN- 380082
DUR FAC	1 25	
SPACING	24.0"	JREF- 1V74487_Z04

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CJS 7 1 8 Jack)

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

Value Set 13B (Effective 6/1/2013)

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

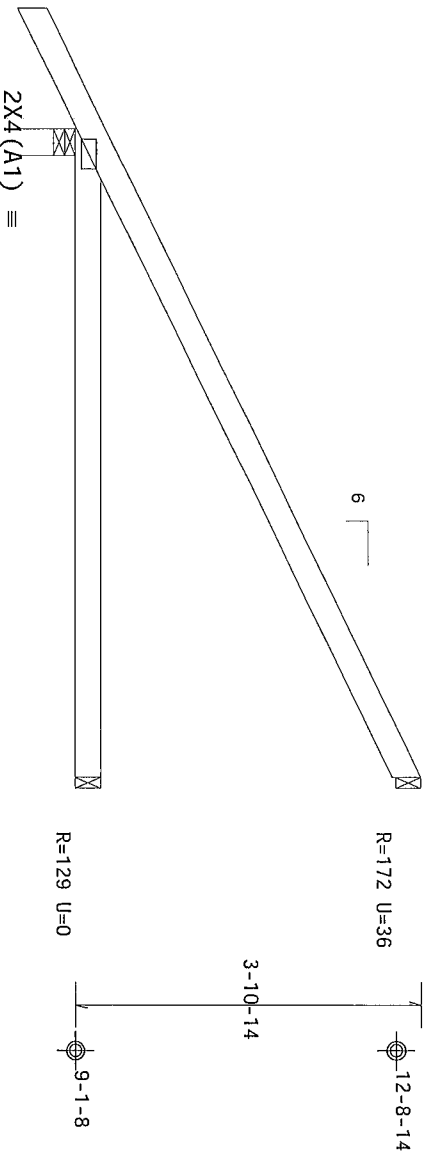
Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

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

120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP(+/-)=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



7-1-8 Over 3 Supports

R=365 U=6 W=3 5
RL=70/-25

PLT TYP Wave

Design Crit FBC2010Res/TP1-2007 (STD)
FT/RT=20%(0%)/10(0)

13 02 07

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

Scale =.5"/Ft

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

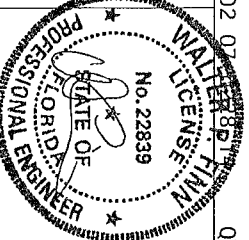
Trusses require extreme care in fabricating and handling. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety practices prior to performing truss erection. Installers shall provide temporary bracing per BCSI and TPI requirements. Trusses shall be erected in accordance with the erection instructions provided. Trusses shall have a properly attached and secured lifting device. Trusses shall have bracing indicated per BCSI section 83.87 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or drawings of trusses. Apply plates to each face of truss and post on as shown above and on the Joist. Details unless noted otherwise. Refer to drawings 1804-2 for standard plate positions. A seal on the drawing or cover page listing the drawing and codes acceptance of professional engineering structure is the responsibility of the Building Design per ANSI/TP1 Section 2. For more information on seal this job's general notes page ITW-BCSI www.twbog.com TPI www.tpi.net.org WTC www.shc-industry.com ICC www.iccsafe.org

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



06/11/2014

TC LL	20 0 PSF	REF R9114- 55041
TC DL	7 0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCUSR9114 14162012
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT LD	37 0 PSF	SEQN- 380083
DUR FAC.	1.25	
SPACING	24.0"	JREF- 1V74487_Z04

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

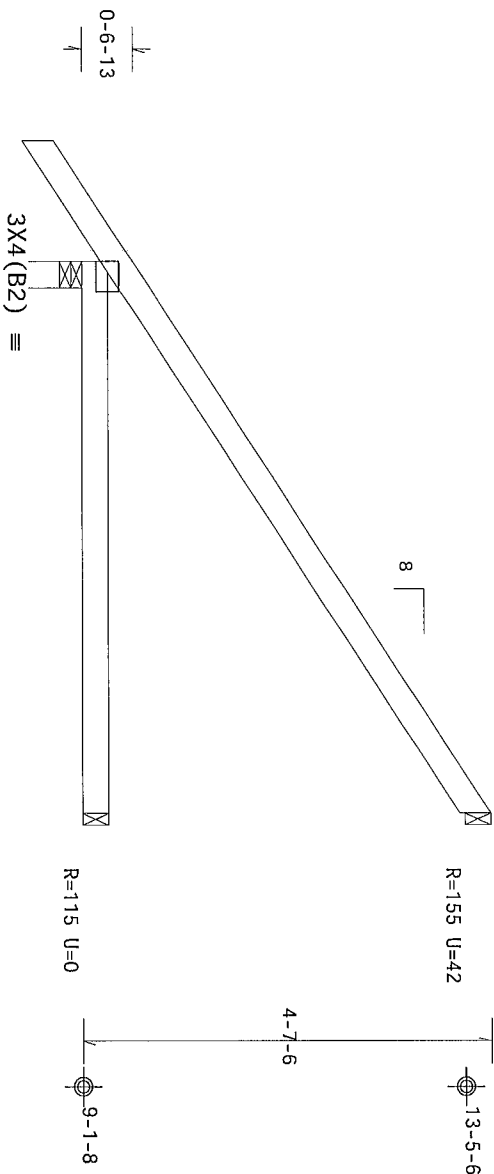
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 150 ft from roof edge PISK CAT 1, EXP B wind TC D=3.5 nsf

Wind BC DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MNI/RS 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

factor for dead load is 1.50



$\leftarrow 1-4-0 \rightarrow$
 $\leftarrow 6-0-14 \text{ Over } 3 \text{ Supports } \rightarrow$
 R=327 U=0 W=3 5"
 RL=81/-38

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)
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13 02 07

QTY	3	FL/-/5/-/-/R/-
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Scale = .5"/Ft.

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

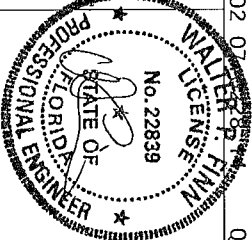
For those requiring a return card, a major cutting, handling, shipping, installing and unloading. Refer to safety instructions for details. For those requiring a return card, a major cutting, handling, shipping, installing and unloading. Refer to safety instructions for details. For those requiring a return card, a major cutting, handling, shipping, installing and unloading. Refer to safety instructions for details.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

www.gcscatc.org



06/11/2014

TC LL	20 0 PSF	REF R9114- S5042
TC DL	7 0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCSR9114 14162013
BC LL	0.0 PSF	HC-ENG JB/MPF
TOT LD	37 0 PSF	SEQN- 380084
DUR FAC.	1.25	
SPACING	24.0"	JREF- 1V74487_Z04

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

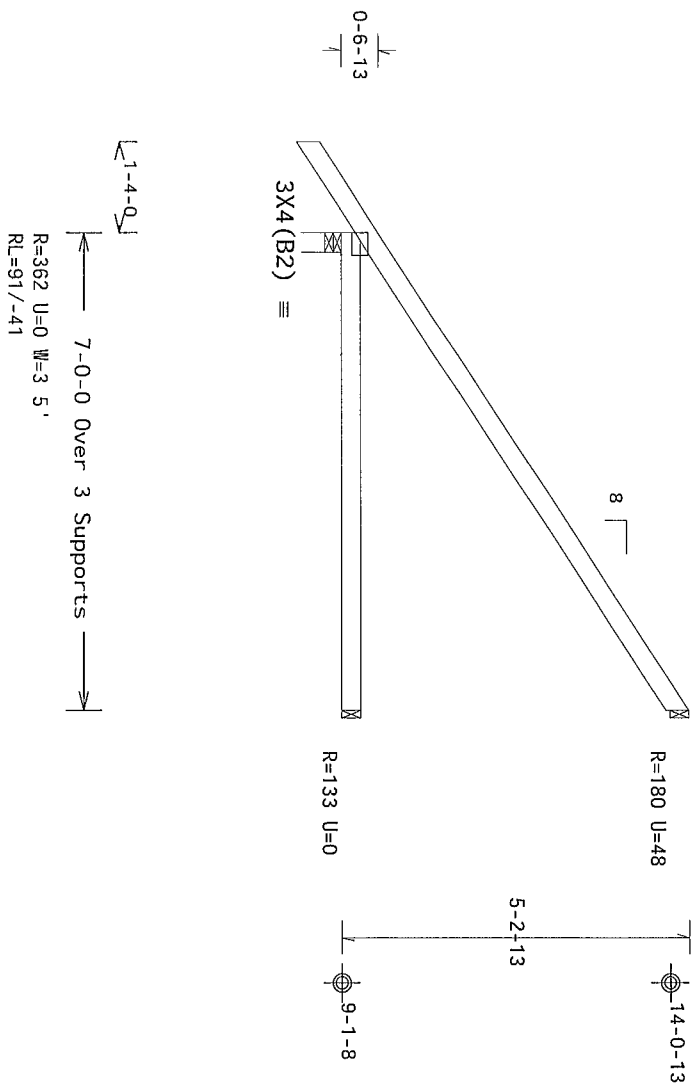
Top chord	2x4	SP	#1
Bot chord	2x4	SP	#1

Lumber value set 13B' uses 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 GCP1 (+/-)=0 18



PLT TYP. Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)

13 02 07

QTY 20 FL/-/5/-/-/R/-

Scale = 375"/Ft.

ALPINE

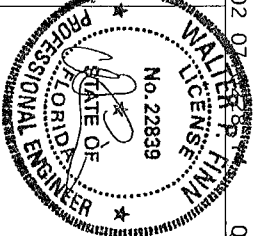
ITW Building Components Group Inc.

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]

117W Bu Id ng Contents Group Form 1 (117WBCG) shall not be responsible for any dev at on from ths dtd
 b'g t' l'ur to be Id ths trus, n conformanc w th ANSI/TPI 1 or for handling th sp ng m'etall on ths
 b'g ng or coverages. Apply pl'ces to each p'ce of trus and post n on as shown above and on ths l'et
 d'ng n'g of trus. Apply pl'ces to each p'ce of trus and post n on as shown above and on ths l'et
 respons b'ly solely for the dtd ng d'sign. The use of ths dtd ng d'sign and n'g n'g
 the responsibility of the bu'ld ng d'signer. per ANSI/TPI 1 Sec 2 For more information sec Ths job s
 general notes page 117W-BGCG www twbco.com TPI www tpi.net org WTCIA www sbc industry.com
 CDC www cdc.gov



06/11/2014

TC LL	20.0 PSF	REF	R9114- 55043
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCSUR114 14162014
BC LL	0.0 PSF	HC-ENG	JB/M/PF
TOT. LD	37 0 PSF	SEQN-	380085
DUR. FAC.	1 25		
SPACING	24.0"	JREF-	1V74487_Z04

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

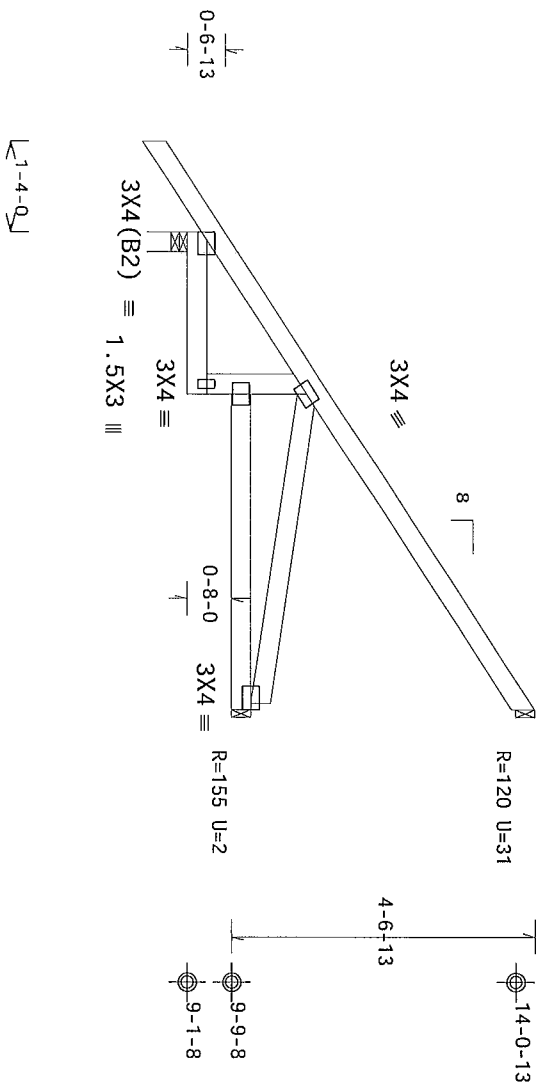
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCpi(+/-)=0 18

anywhere in roof, RISA LA
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



2-4-8 4-7-8
7-0-0 Over 3 Supports

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)

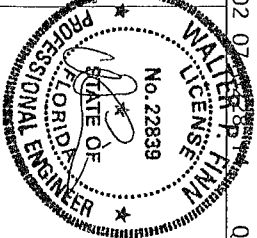
QTY 8 FL/-/5/-/-/R/-

Scale = .375"/Ft.

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

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278



06/11/2014

TC LL	20 0 PSF	REF R9114- 55044
TC DL	7 0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCUSR9114 14162015
BC LL	0.0 PSF	HC-ENG JB/WMP
TOT.LD.	37.0 PSF	SEQN- 380086
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V74487_Z04

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

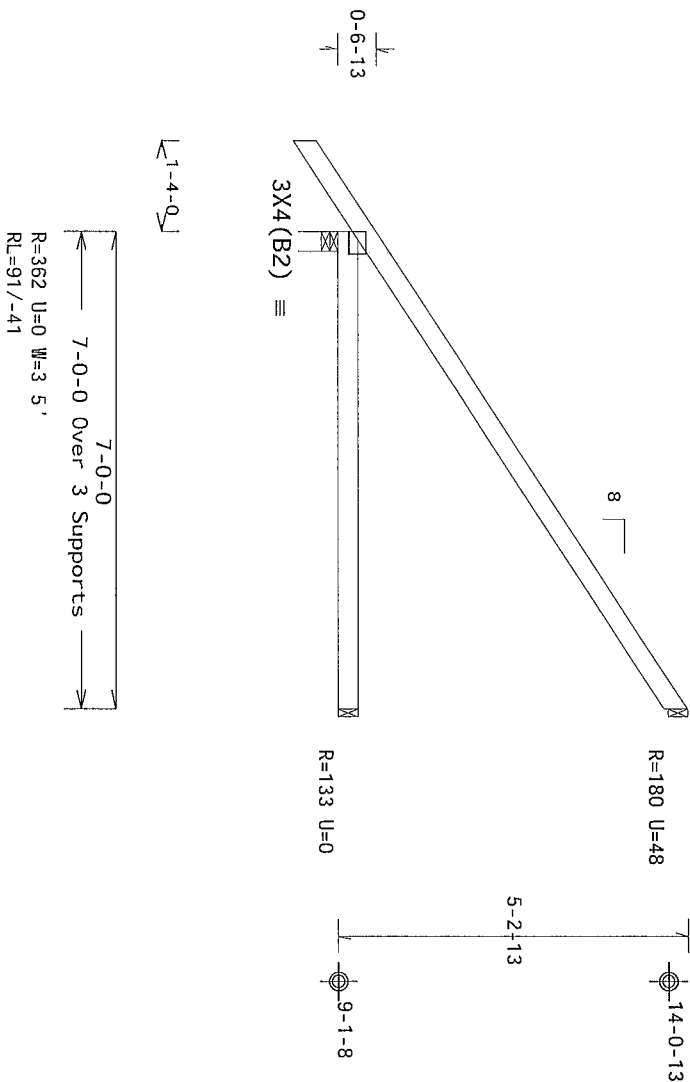
Top chord	2x4	SP	#1
Bot chord	2x4	SP	#1

Lumber value set '13B uses 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 GCP1 (+/-)=0.18



PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)
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13 02 07

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

Scale = .375"/Ft

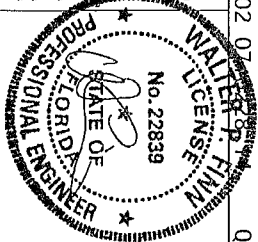
*****WARNING*** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Inclusion you're welcome case a fair call ng handling sp ng installing and using ng Refer to and Follow the latest ed it ion of BCSI (B014 ng Component Safety Information) ng TP1 and WTDG for safety Please see pr or to performing these funct ions Insallers shall prov de temporary brack ng per BCSI Unless noted otherwise, top shovl shall have properly attached structural sheath ng and bottom chord shall have a properly attached r id ceiling Locations shown for Permanent lateral restraint or webs shall have brace ng installed per BCSI sections B3, B6 or B10 as appl cable

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278



06/11/2014

TC LL	20.0 PSF	REF	R9114- 55045
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCSR9114 14162016
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT.LD	37.0 PSF	SEQN-	380087
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - H7 43 8 Steppdown Hip Girder)

Value Set 138 (Effective 6/1/2013)
 Top chord 2x4 SP M-30 T2 2x4 SP 2850F-2 3E
 Bot chord 2x4 SP 2850F-2 3E B1 2x4 SP #1
 Webs 2x4 SP #3 W2 2x4 SP #2
 W8 W12 2x4 SP #1
 Rt Wedge 2x6 SP #2

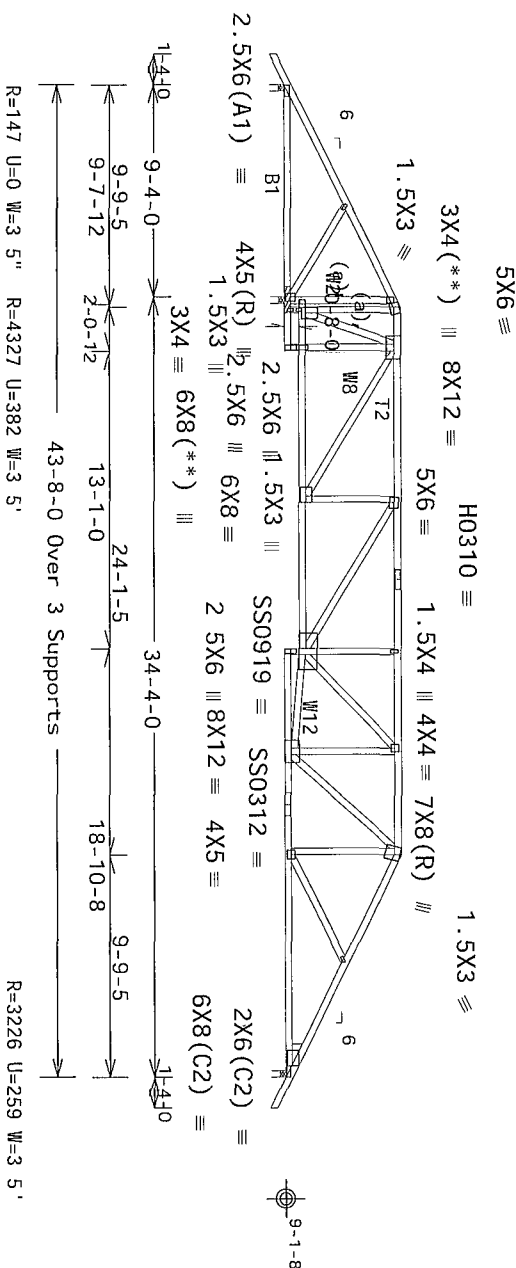
Lumber value set 138 uses design values approved 1/30/2013 by ALSC
 Big blocks 0 128 x3 min nails
 2 x-locks #blocks length/bk #nails/bk wall plate
 9 333 14 9 Rigid Surface
 Big block to be same size and species as chord
 Refer to drawing CMMALS0109 for more information

(**) 2 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 6 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

(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

Special loads
 -----(Lumber
 TC-From Dur Fac =1 25 / Plate Dur Fac =1 25)
 TC-From 56 pif at -1 33 to 56 pif at 9 78
 TC-From 28 pif at -9 78 to 28 pif at 21 78
 TC-From 28 pif at 21 78 to 28 pif at 33 89
 TC-From 56 pif at 33 89 to 56 pif at 45 00
 BC-From 4 pif at -1 33 to 4 pif at 0 00
 BC-From 20 pif at 0 00 to 20 pif at 11 71
 BC-From 10 pif at 11 71 to 10 pif at 24 79
 BC-From 10 pif at 24 79 to 10 pif at 31 67
 BC-From 10 pif at 31 67 to 10 pif at 33 86
 BC-From 20 pif at 33 86 to 20 pif at 43 67
 TC-From 4 pif at 43 67 to 4 pif at 45 00
 TC-From 179 82 lb Conc Load at 9 84 27 83 29 83 31 83
 TC-From 120 06 lb Conc Load at 11 84 13 84 15 84 17 84
 BC-From 21 83 23 83 25 83
 BC-From 132 89 lb Conc Load at 9 84 27 83 29 83 31 83
 BC-From 155 03 lb Conc Load at 11 84 13 84 15 84 17 84
 BC-From 21 83 23 83 25 83
 BC-From 1262 86 lb Conc Load at 33 86

Wind loads and reactions based on MWFRS
 Bottom chord checked for 10 00 psf non-concurrent live load
 Laterally brace Bottom Chord above filler at 24 oc
 including a lateral brace at chord ends



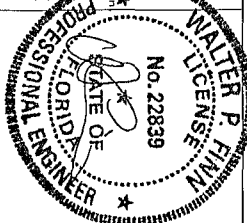
PLT TYP 20 Gauge HS, 18 Gauge HS, Design Crit FBC2010Res/TPI-2007(STD)
 Wave FT/RT=20%(0%)/10(0)

13 02 07 0228 14 QTY 1 FL/-/5/-/-/R/- Scale = .125"/Ft.

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET
 FURNISH THIS DESIGN TO ALL CONTRIBUTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information on by TPI and WICDA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI. Trusses noted otherwise use 1" top chord and 1" webs. All other members shall be 1" thick. All members shall have bracing installed per BCSI section 83 B7 or B10 as applicable.

TYP BULIDING COMPONENTS GROUP INC. (TMBG) shall not be responsible for any delay or non-compliance with any future building code requirements or amendments to ANSI/TPI 1 or 2 or any other code or standard. A seal on the drawing or cover page stating the date and time of the seal and the name of the professional engineer is required. The professional engineer shall be responsible for the building design and shall be responsible for the building design and shall be responsible for the building design. For more information on the general notes page TMBG BCSI www.tmbg.com TPI www.tpi.net org WICDA www.structure.com TPI's Job 5 ID: www.cesafe.org



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

TC LL	20 0 PSF	REF	R9114- 55046
TC DL	7 0 PSF	DATE	06/11/14
BC DL	10 0 PSF	DRW	HOURS9114 14162027
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT. LD.	37 0 PSF	SEQN-	380091
DUR. FAC.	1 25		
SPACING	24 0"	JREF	1V74487_Z04

06/11/2014

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - H9 43 8 Steepdown Hip)
 Value Set 13B (Effective 6/1/2013)

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

Lumber value set '13B uses design values approved 1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

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

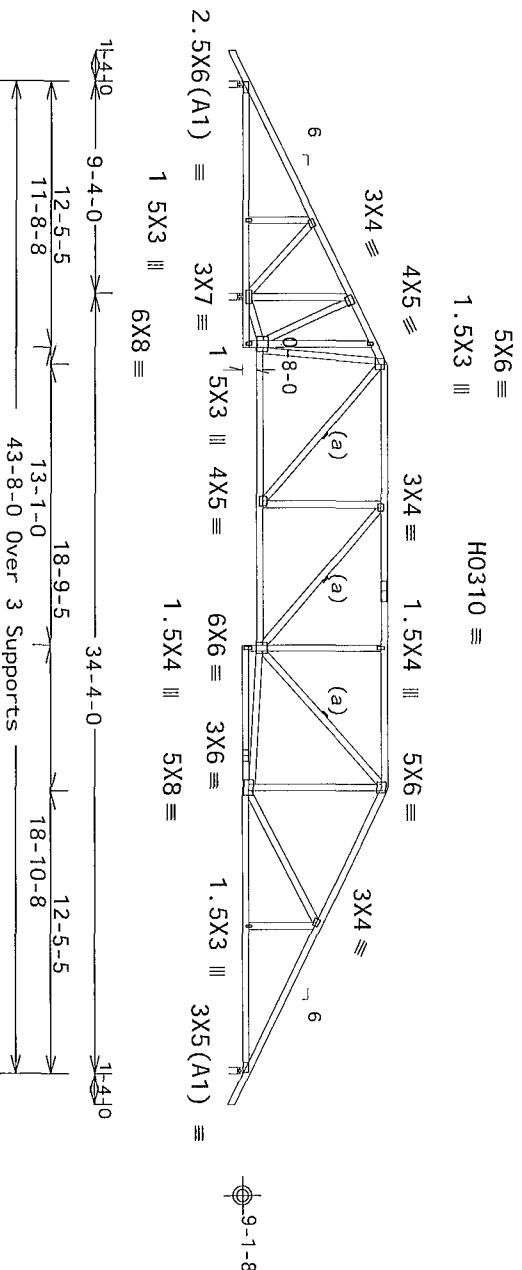
MMFRS loads based on trusses located at least 7 50 ft from roof edge

Negative reaction(s) of -215# 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 6 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf,
 wind BC DL=5 0 psf 6cpl(+/-)=0 18

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

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



R=230/-215 U=38 W=3 5'
 RL=119/-119 R=2184 U=77 W=3 5"
 R=1266 U=58 W=3 5"

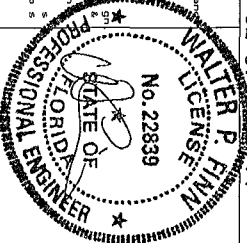
PLT TYP 20 Gauge HS, Wave Design Crit FBC2010Res/TP1-2007(STD)
 FT/RT=20%(0%/10(0))

13 02 07 0228 14 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
 Trusses require extreme care in fabricating and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) for safety project code prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be braced in accordance with the design drawings and BCSI. Trusses shall have a properly attached ridge pole. Trusses shall be shown for permanent lateral restraint of wind shall have bracing installed per BCSI section 83.07 or 810 as applicable.

ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from the design drawings to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, and on-site erection of trusses. Apply plates to each face of truss and post on as shown above and on the Joist. Drawings or cover page lettings to drawings and cases acceptance of professional engineering. The responsibility of the Building Designer per ANSI/TP1-1 Section 2. For more information see the general notes page ITW-BCG www.itwbcg.com TP1 www.tp1rat.org WTCA www.sbcindustry.com ICC www.ccsafe.org



TC LL	20.0 PSF	REF R9114- 55047
TC DL	7.0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCUR9114 14162017
BC LL	0 0 PSF	HC-ENG JB/WPF
TOT LD	37 0 PSF	SEQN- 380092
DUR FAC	1.25	
SPACING	24.0"	JREF- 1V74487_Z04



THIS WORK PRESENTED EDAM COMPUTED LIABILITY (CODE & DIMENSIONS) SUBMITTED BY TBISS MED

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

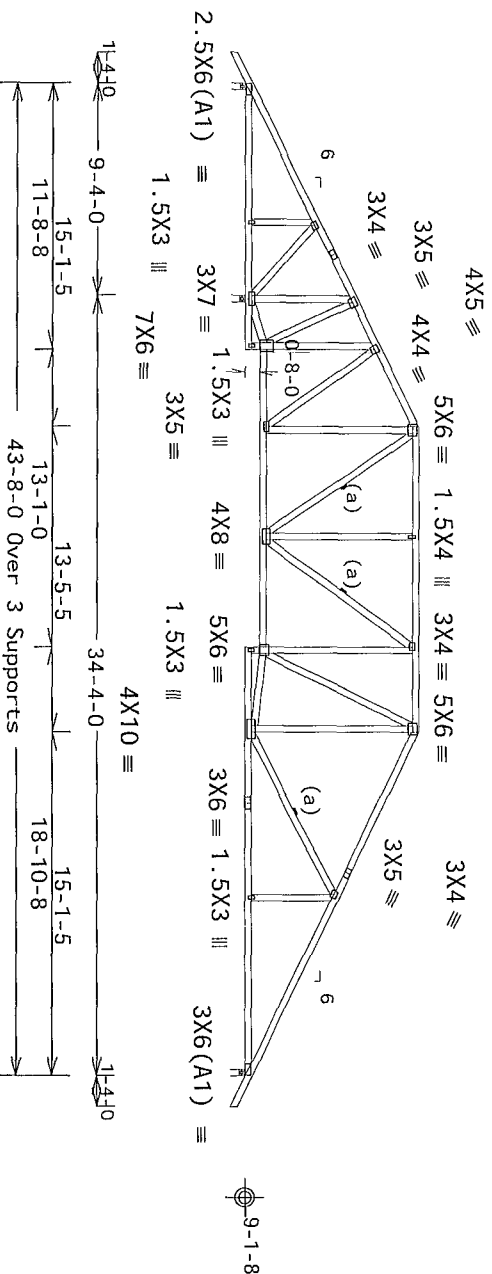
wind BC DL=5.0 psf GCP (+/-)=0.18
within 6.50 ft from roof edge, RISK C 11, EXP B, wind IC DL=3.5 psf,

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

(a) Continuous lateral restraint equally spaced on member

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

factor for dead load is 1.50



R=2018 U=68 W=3 5"

R=1301 U=57 W=3 5''

Design Crit FBC2010Res/TP1-2007 (STD)

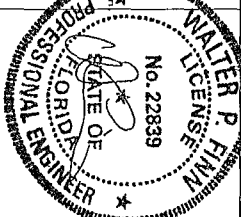
QTY 1 FL/-/5/-/-/R/-

Scale = 125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

06/11/2014

TC LL	20.0 PSF	REF	R9114- 55048
TC DL	7 0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	H05R9114 14162018
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT LD	37 0 PSF	SEQN-	380088
DUR. FAC.	1 25		
SPACING	24.0"	JREF-	1V74487_Z04

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

Top chord 2x4 SP #1

Webs 2x4 SP #3

Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

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

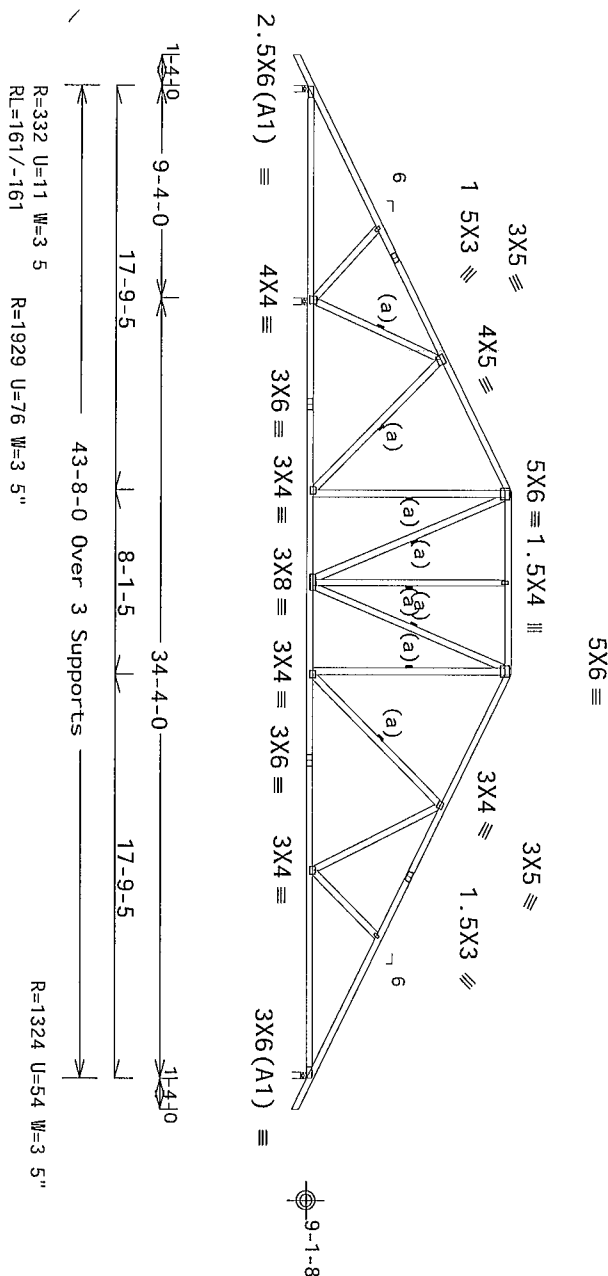
MMF-RS loads based on trusses located at least 7 50 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 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 MWFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member

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



PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)
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13 02 07 08 26 14

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

Scale = .125"/Ft.

ALPINE

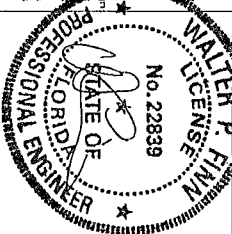
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Trustees need not perform same as other competing handling and unloading. Refer to and follow the latest ed. one of BCSI (Building Competing Safety Information on by TPI and WDO) for safety practices and procedures. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, no top chord shall have properly attached structural sheath and bottom chord shall have a properly attached rafter ceiling. Locations shown for permanent lateral restraint of web shall have brace per BCSI sects 83, 87 or 810 as applicable.

ITW Bu Id ng Components Group Inc. (ITWBCE) **shai nt** be responsible for any delay at on from th s date
any failure to bu id the trust s conformance w/ ANSI/FPI 1 or for handing sh ip ng metall on
of crutches. Applied plates to each piece of truss and position as shown above and on the Jo nt
Data unless mentioned otherwise. Refer to drawing R60A-2 for standard plate positions. A seal on the
end of the truss shall be used to prevent professional engineering inspection.
Responsibility by solely for the design and shop drawings. The seal shall be stamped with the structure's
the response b y ty of the Bu Id ng Division per ANSI/FPI 1 Sec 2 For more information see Th s Job s
general notes page ITW-RGT www twobg.com TPI www tpi.net.org WTCA www steelindustry.com



~~06/11/2014~~

TC LL	20.0 PSF	REF	R9114- 55049
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10 0 PSF	DRW	HCSUR9114 14162019
BC LL	0.0 PSF	HC-ENG	JB/WJPF
TOT.LD	37 0 PSF	SEQN-	380089
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

Value Set 13B (Effective 6/1/2013)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 W2 2x4 SP #2

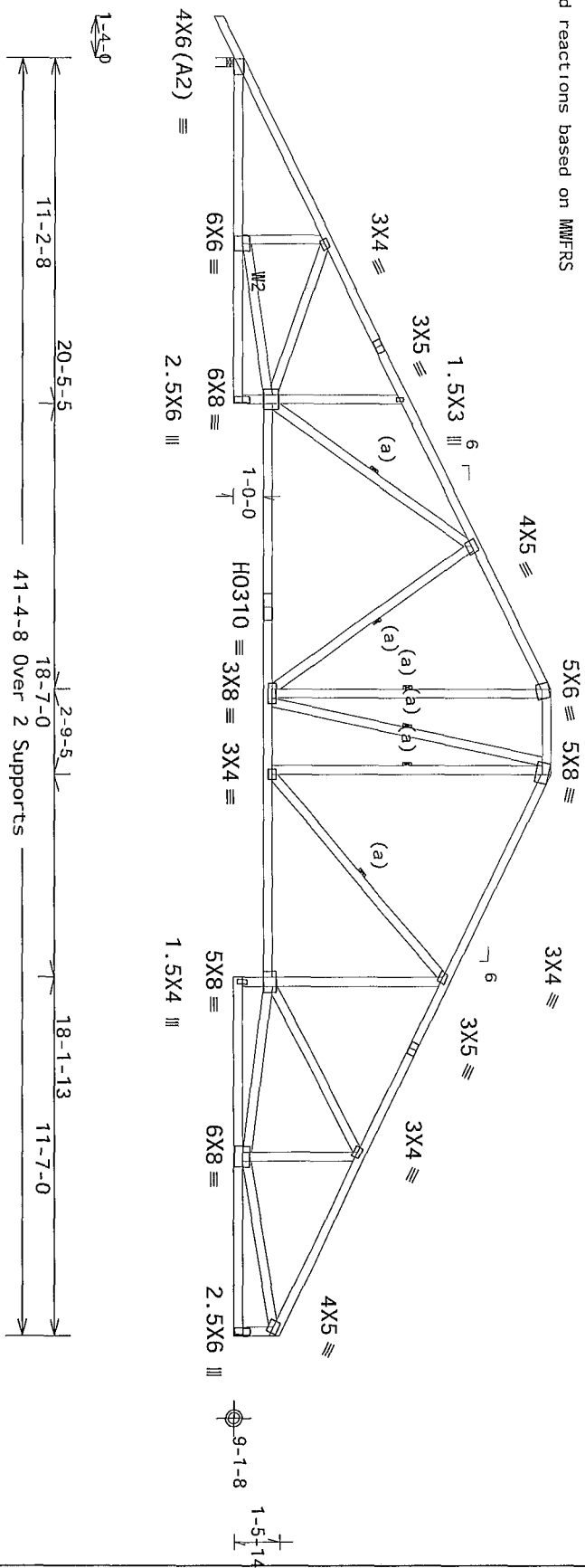
Lumber value set '13B uses design values approved 1/30/2013 by ALSC

Special loads

-----Lumber
Dur Fac =1.25 / Plate Dur Fac =1.25
TC- From 56 pif at -1.33 to 56 pif at 20.44
TC- From 56 pif at 20.44 to 56 pif at 23.22
TC- From 56 pif at 23.22 to 56 pif at 41.38
BC- From 4 pif at -1.33 to 4 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 11.21
BC- From 20 pif at 11.21 to 20 pif at 29.79
BC- From 20 pif at 29.79 to 20 pif at 41.38
BC- 200 00 lb Conc Load at 9.48

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

Wind loads and reactions based on MWFRS



R=1807 U=75 W=3.5
RL=162/-161

R=1603 U=55
H=H1

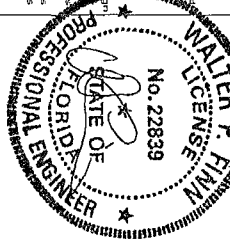
PLT TYP 20 Gauge HS.Wave Design Crit FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0) 13 02 07 2014 QTY 1 FL/-/5/-/R/- Scale =.1875"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating and installing. Refer to any and all notes on this drawing. Follow the latest edition of BCS1 (Building Component Safety) information on by TPI and WTCA for safety. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS1 section 83.87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any delay or non-compliance with any future building code or any future building code amendments. Apply plates to each face of truss and post on as shown above and on the Joist. Refer to drawing 1804-2 for standard plate positions. A seal on the back of the plate shall be used to verify the seal on the back of the plate. The seal shall be used for any structure. The responsibility for the design and use of this design goes to the user. For more information see the general notes page ITW-BCG www.tpi.net www.wtca.com www.stc-industry.com



TC LL	20.0 PSF	REF	R9114- 55050
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCSR9114 14162028
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT. LD	37.0 PSF	SEQN-	380143
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

06/11/2014

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

Special loads
(Distributed) $P_{\text{max}} = 1.35 / 0.10 + P_{\text{max}} = 1.35$

	Dur	Fac = 1	25 /	Plate	Dur	Fac = 1	25)
TC-From	55	pif	at -2	22	to	55	pif at 11 67
BC-From	4	pif	at -2	22	to	4	pif at 0 00
BC-From	20	pif	at 0	00	to	20	pif at 11 67

TC-101	10 06 11	1b Conc	Load at 5.06
TC-101	10 06 11	1b Conc	Load at 5.06

TC-67	54 lb	Conc	Load at	5 20
TC-112	68 lb	Conc	Load at	7 70
TC-172	38 lb	Conc	Load at	8 40
TC-154	60 lb	Conc	Load at	10 20

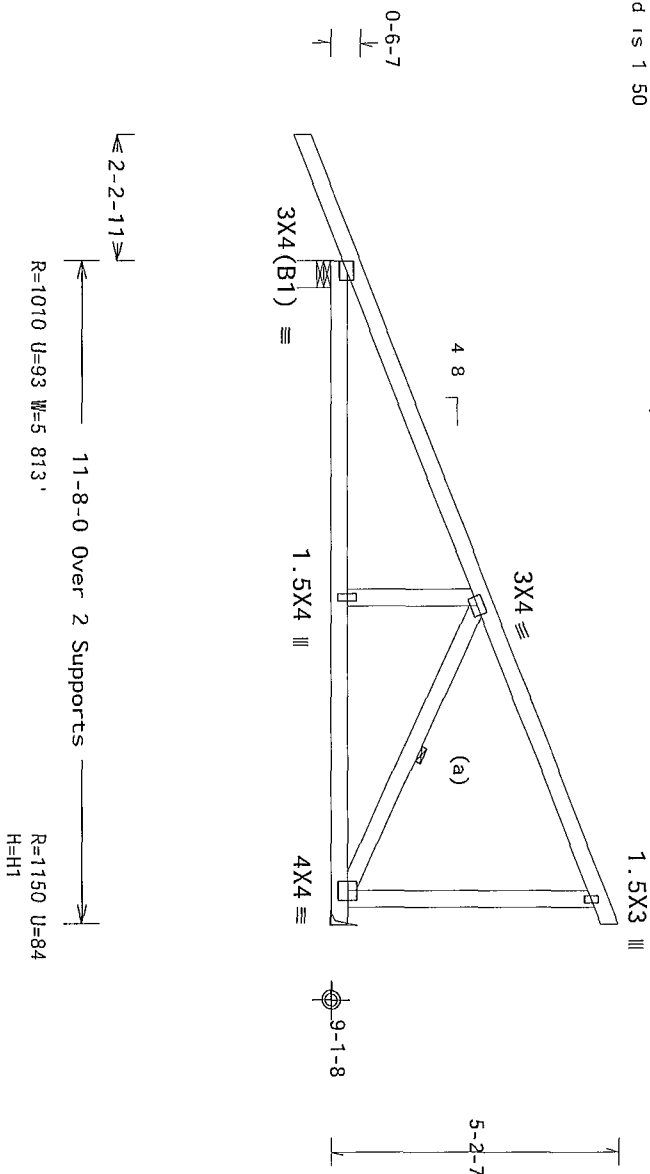
BC-25	66 lb	Conc	Load at 1	73
27	34	15	3	70

BC-78	31	1b	Conc	Load	at	5	06
BC-57	08	1b	Conc	Load	at	5	20

BC-	86 23 1b Conc	Load at	7 70
PC	120 03 1b Conc	Load at	8 40

BC- 115 10 lb Conc Load at 10 20

1.5X3 III



Design Crit	FBC2010Res/TP1-2007(STD), FT/RT=20%(0%)/10(0)

13 02 07 2014

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

Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

[illegible]

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom, separated by two stars. Inside the ring, the name "WALTER F. FINN" is written in a large, bold, sans-serif font. Below the name, the license number "No. 22839" is printed. A handwritten signature, which appears to be "Walter F. Finn", is written across the center of the seal, overlapping the name and the license number.

06/11/2012

TC LL	20.0 PSF	REF	R9114- 55051
TC DL	7 0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCU8R9114 1416202
BC LL	0 0 PSF	HC-ENG	JB/WJPF
TOT LD	37 0 PSF	SEQN-	380093
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

Value Set 13B (Effective 6/1/2013)

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

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

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

Wind loads and reactions based on MMFRS

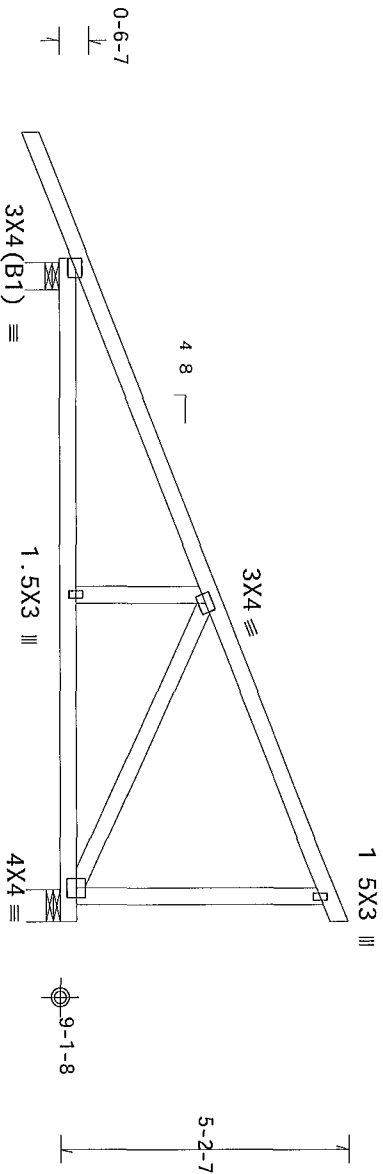
Right end vertical not exposed to wind pressure

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

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

Special loads

TC-From	55 pif at -2 22 to 55 pif at 11 67
BC-From	4 pif at -2 22 to 4 pif at 0 00
BC-From	20 pif at 0 00 to 20 pif at 11 67
TC-15 39 lb Conc	Load at 1 73
TC-10 06 lb Conc	Load at 2 70
TC-101 11 lb Conc	Load at 5 06
TC-67 54 lb Conc	Load at 5 20
TC-112 68 lb Conc	Load at 7 70
TC-172 38 lb Conc	Load at 8 40
TC-154 60 lb Conc	Load at 10 20
BC-25 66 lb Conc	Load at 1 73
BC-27 24 lb Conc	Load at 2 70
BC-78 31 lb Conc	Load at 5 06
BC-57 08 lb Conc	Load at 5 20
BC-86 23 lb Conc	Load at 7 70
BC-129 03 lb Conc	Load at 8 40
BC-115 10 lb Conc	Load at 10 20



L=2-2-19-13

R=1000 U=92 W=5 813
R=1160 U=84 W=6 667

PLT TYP Wave

Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%/100%)

13 02 07 000000

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

Scale = 3125"/Ft

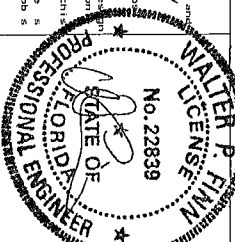
IMPORTANT-- READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in handling and bracing. Refer to the manufacturer's instructions for proper handling and bracing. The truss manufacturer is responsible for providing the correct bracing and handling instructions. The installer is responsible for following these instructions. The truss manufacturer is not responsible for any damage to the truss or any other component of the structure caused by improper handling or bracing. The installer is responsible for ensuring that the truss is properly braced and supported during installation. The truss manufacturer is not responsible for any damage to the truss or any other component of the structure caused by improper handling or bracing. The installer is responsible for ensuring that the truss is properly braced and supported during installation.

ALPINE



Orlando FL, 32837
FL COA #0278



www.ccsafe.org

www.twb.com www.twb.com www.twb.com www.twb.com

06/11/2014

TC LL	20.0 PSF	REF R9114- 55052
TC DL	7.0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCUR9114 14162030
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT LD	37.0 PSF	SEQN- 380094
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V74487_Z04

(14-045D)--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - MH9 40 Mono Hip)
 Value Set 13B (Effective 6/1/2013)

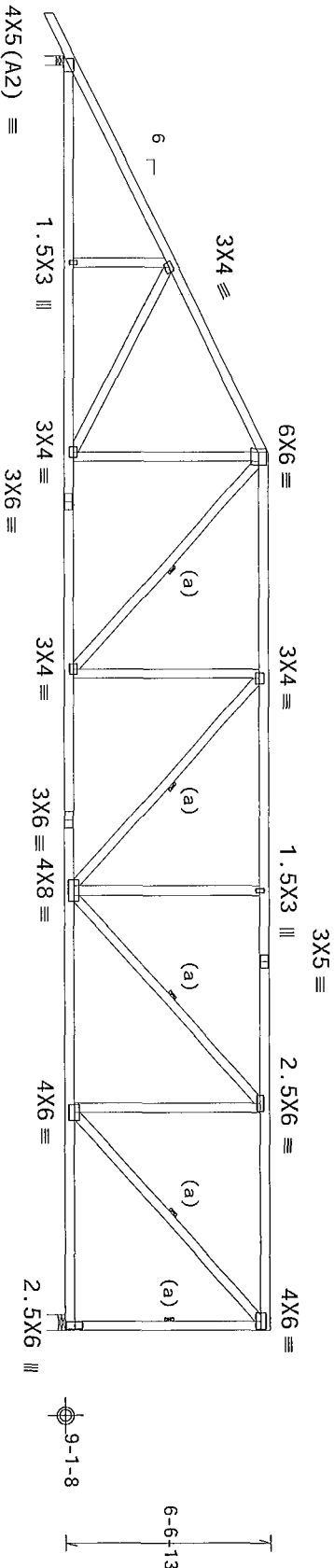
Top chord 2x4 SP #1
 Bot chord 2x4 SP #1
 Webs 2x4 SP #3

Lumber value set 13B uses design values approved 1/30/2013 by ALSC

(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

120 mph wind 15.00 ft mean hgt ASCE 7-10, CLOSED bldg, not located
 within 6.50 ft from roof edge RISK CAT II EXP B, wind TC DL=3.5 psf,
 wind BC DL=5.0 psf GCP(+/-)=0.18
 Wind loads and reactions based on MMFRS with additional CXC member
 design
 Right end vertical not exposed to wind pressure
 Bottom chord checked for 10.00 psf non-concurrent live load
 MMFRS loads based on trusses located at least 7.50 ft from roof edge



12-5-5
 27-6-11
 40-0-0 Over 2 Supports
 9-1-8
 6-6-13
 R=1600 U=63 W=3.5'
 RL=114/-41
 R=1506 U=74 W=6'

PLT TYP Wave Design Crit FBC2010Res/TPI-2007 (STD) 13 02 07 2008 14 QTY 1 FL/-/5/-/R/- Scale = .1875"/Ft.

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET

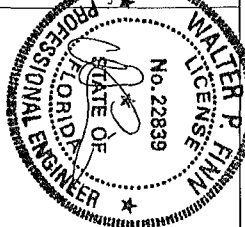
Trusses require extreme care in fabricating, handling, shipping, metalizing and bracing. Refer to and follow the erection section of the Building Components Group Inc. (ITWBCG) Manual for BCS. For BCS, unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter. Locations shown for permanent lateral restraint of web shall have bracing installed per BCS sections 83, 87 or 810 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing or bracing of trusses. Apply places to each face of truss and post on as shown above and on the joint. Details, unless noted otherwise, refer to drawings 1504-2 for standard plate positions. A seal on the bottom chord is required. The seal shall be applied by the manufacturer. The seal shall be applied to the responseability of the building design per ANSI/TPI 1 Section 2. For more information see the general notes page ITWBCG Manual. The seal shall be applied by the manufacturer. The seal shall be applied to the responseability of the building design per ANSI/TPI 1 Section 2. For more information see the general notes page ITWBCG Manual. The seal shall be applied by the manufacturer. The seal shall be applied to the responseability of the building design per ANSI/TPI 1 Section 2. For more information see the general notes page ITWBCG Manual.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
 FL COA #0278



TC LL	20.0 PSF	REF	R9114- 55054
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCSR9114 14162020
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT. LD.	37.0 PSF	SEQN-	380099
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V74487 204

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - MH11 40 Mono Hrp)

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

Value Set 13B (Effective 6/1/2013)

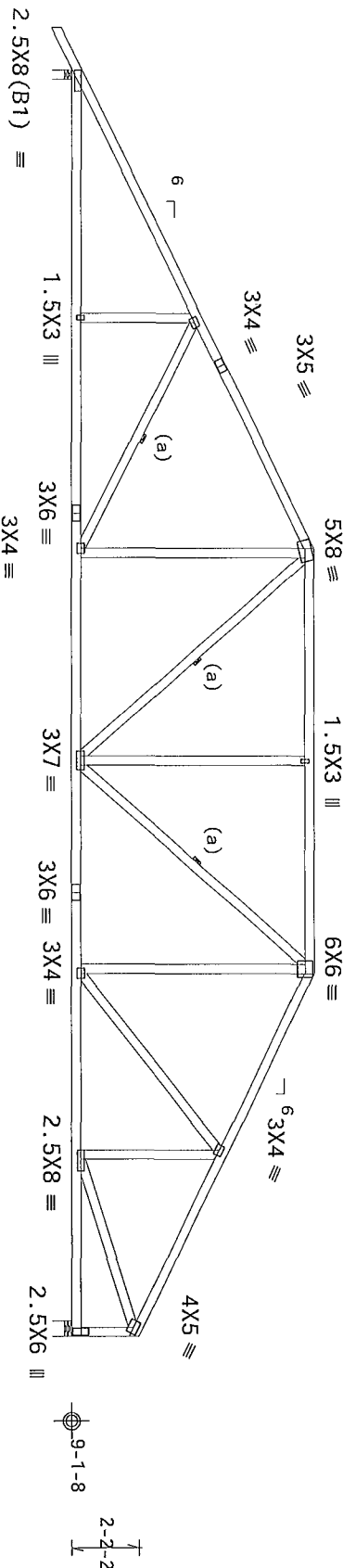
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

(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

120 mph wind 15.00 ft mean hgt ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf Gcpl(+/-)=0.18
Wind loads and reactions based on MWFRS with additional C&C member design
Right end vertical not exposed to wind pressure
Bottom chord checked for 10.00 psf non-concurrent live load
MWFRS loads based on trusses located at least 7.50 ft from roof edge



15'-1-5" 13'-5-5" 11'-5-5" 40'-0-0" Over 2 Supports
R=1600 U=67 W=3.5'
RL=117/-110
R=1506 U=57 W=6'

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

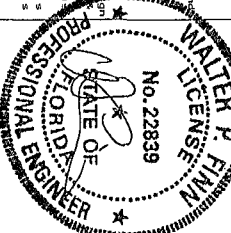
13 02 07 0888 14 QTY 1 FL/-/5/-/R/-

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) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, the top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section 83.87 or 810 as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure of the building structure. The user of this design shall be responsible for any failure of the building structure. Data is unless noted otherwise. Refer to drawings 1504-Z for standard plate positions. A seal on this drawing or cover page is required. The suitability and use of this design for any structure is the responsibility of the user. The user shall be responsible for any failure of the building structure. General notes page ITW-BCSI www.bcsi.org TPI www.tpi.net or WTC www.wtc-industry.com



06/11/2014

TC LL	20.0 PSF	REF R9114- 55055
TC DL	7.0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCUR9114 14162021
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT. LD	37.0 PSF	SEQN- 380095
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V74487_Z04

Scale = .1875"/Ft

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

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

Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

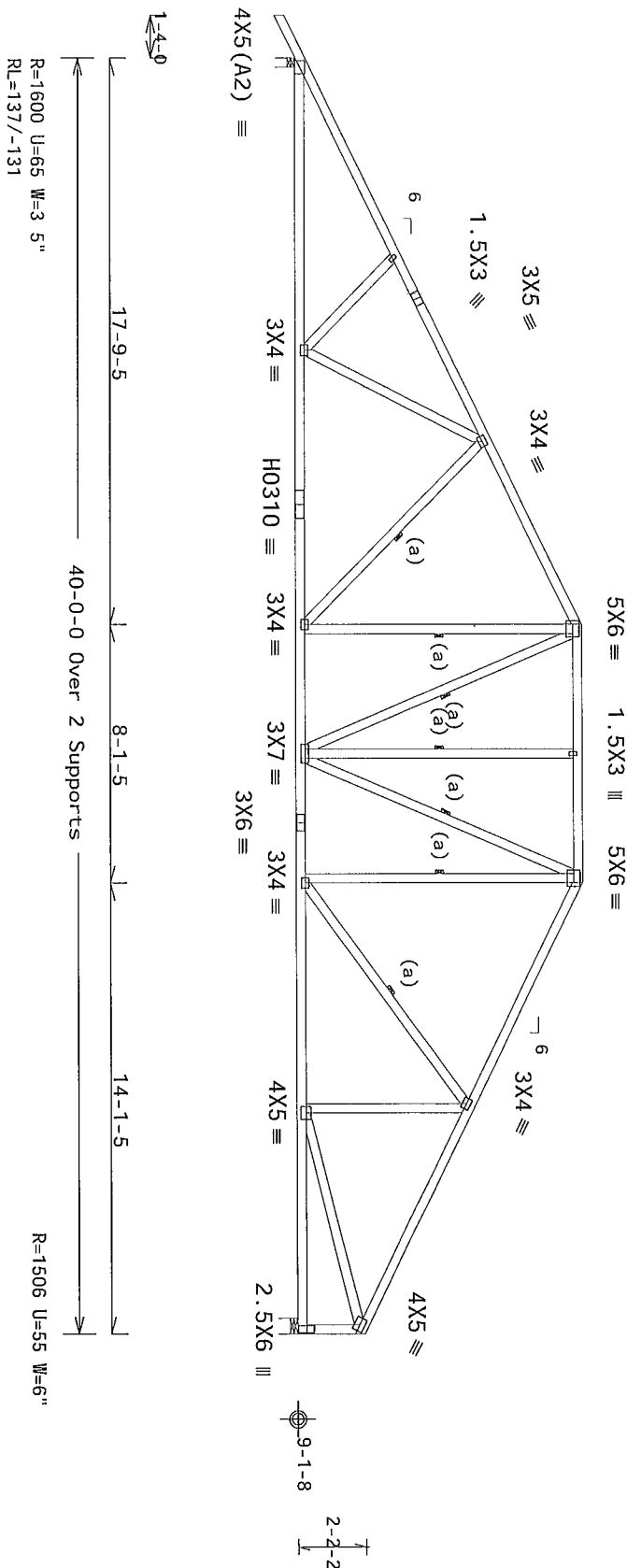
Deflection meets $L/240$ live and $L/180$ total load Creep increase factor for dead load is 1.50

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 GpI(+/-)=0.18

Right end vertical not exposed to wind pressure

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

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



PLT TYP 20 Gauge HS, Wave

Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)
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13.02.07

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

Scale = .1875"/Ft.

IMPORTANT

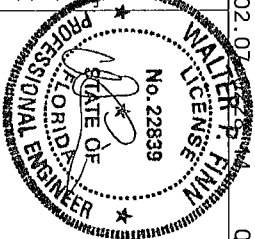
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

[illegible]

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



06/11/2014

TC LL	20.0 PSF	REF	R9114- 55056
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162022
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT LD.	37 0 PSF	SEQN-	380096
DUR FAC.	1.25		
SPACING	24.0"	JREF -	1V74487_Z04

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

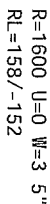
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
 13 00 ft from roof edge, DISK CAT 1 EYP B wind TC II-3.5

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 MNFRS with additional C&C member design

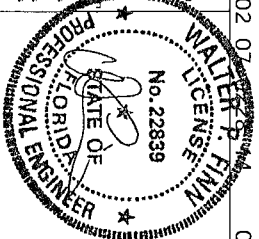
Right end vertical not exposed to wind pressure

Bottom chord checked for 10 00 psf non-concurrent live load
 MWFRS loads based on trusses located at least 15 00 ft from roof edge



Scale = .1875"/Ft

ITW Building Components Group Inc

[illegible]

TC LL	20 0 PSF	REF R9114- 55057
TC DL	7 0 PSF	DATE 06/11/14
BC DL	10.0 PSF	DRW HCUR9114 14162023
BC LL	0 0 PSF	HC-ENG JB/MPF
TOT.LD	37 0 PSF	SEQN- 380097
DUR.FAC	1.25	
SPACING	24.0"	JREF- 1V74487_Z04

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

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or slab reinforcement.

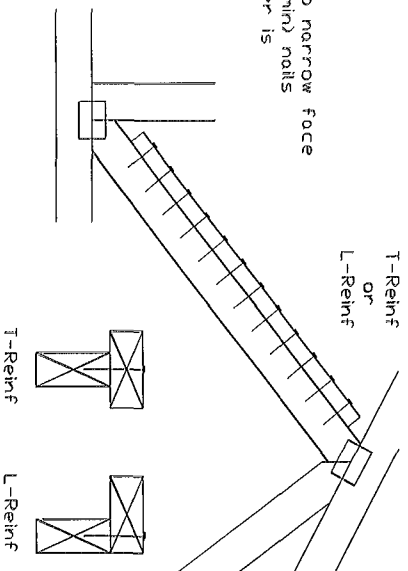
Alternative reinforcement specified in chart below may be conservative for minimum alternative reinforcement re-run design with appropriate reinforcement type.

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

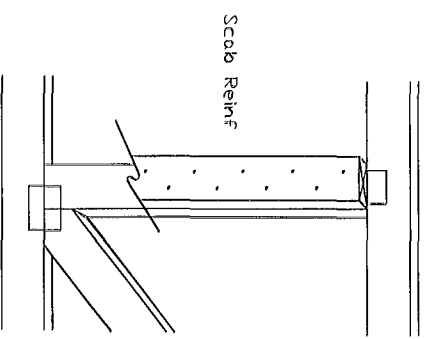
T-reinforcement L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(*) Center scab on wide face of web Apply (1) scab to each face of web

Apply to either side of web narrow face
Attoch with 10d (0.128"x30") nails
at 6" oc Reinforcing member is
a minimum 80% of web
member length



Apply scab(s) to wde face of web
No more than (1) scab per face
Attach with 10d (0.128"x3.0",n) nails
at 6" o.c. Reinforcing member is a
minimum 80% of web member length.

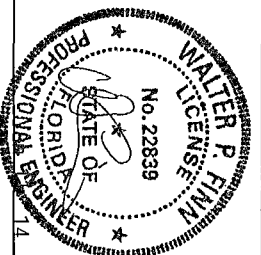


TM

Building Components Group Inc.

Earth City MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
 *IMPORTANT! FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
 Trusses require extreme care in erecting, handling, shipping, storing and bracing. Refer to and follow the instructions on the drawings and the following notes. Trusses are to be installed and braced in accordance with the provisions of the American Institute of Steel Construction, Inc. (AISC) Specification for the Design and Fabrication of Structural Steel Buildings, Allowable Stress Design and Plastic Design, 9th Edition, 1989. Trusses must be properly braced and ceiling locations shown for permanent lateral restraint of webs at truss and positions as shown above and on the plan. Details, unless noted otherwise, to match face of truss and drawings 1504-2 for standard plate positions.
 ITV Building Corporation's brand line shall not be responsible for any deviation from this drawing.
 Erection of Trusses
 Trusses shall be erected in accordance with AISC 1501-1 or for handling, shipping, installation
 A seal on this drawing or cover page listing this drawing, indicates acceptance or professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any other purpose is the responsibility of the building designer and AISC is not liable for any such use.
 ITV-BEC: steel-erecting@itv.com SIDA steel-erecting@itv.com ITC steel-erecting@itv.com



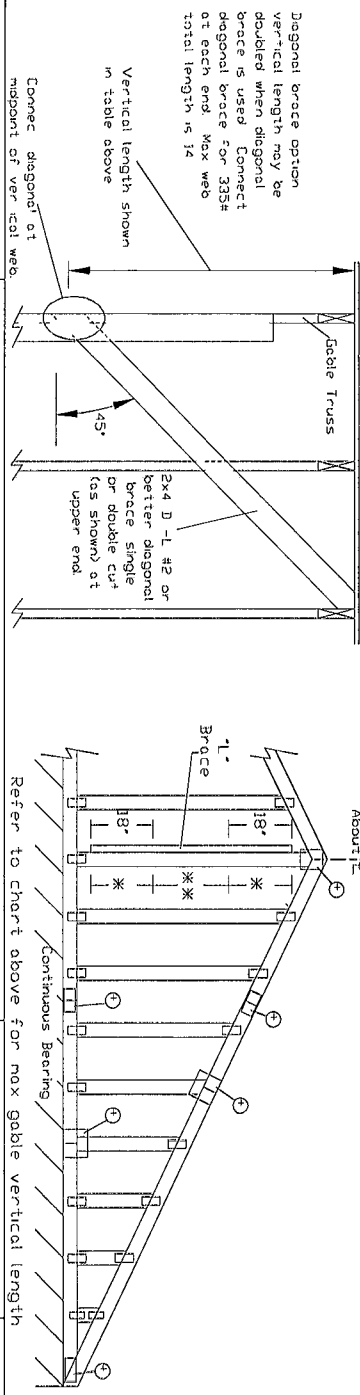
TC LL	PSF	REF	CLR Subst
TC DL	PSF	DATE	8/15/13
BC DL	PSF	DRWG	BRCLBSUB0813
BC LL	PSF		
TOT LD	PSF		
DUR FAC			
SPACING			

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

Dr 100 mph Wind Speed 15 Mean Height Enclosed Exposure C Kzt = 1.00
 Dr 100 mph Wind Speed 15 Mean Height Enclosed Exposure D Kzt = 1.00

Gable Stud Reinforcement Detail

Gable Vertical Species	2x4 Braces	Max Gable Vertical Length											
		12" o.c.				16" o.c.				24" o.c.			
		SPF	HF	SP	DFL	SPF	HF	SP	DFL	SPF	HF	SP	DFL
Group A	#1 / #2	4 10"	8 2"	8 6"	9 8"	4 7"	8 2"	8 6"	9 8"	4 7"	8 2"	8 6"	9 8"
	#3	4 7"	7 9"	8 3"	9 7"	4 7"	7 9"	8 3"	9 7"	4 7"	7 9"	8 3"	9 7"
	Stud	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"
	Standard	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"
Group B	#1 / #2	4 10"	8 2"	8 6"	9 8"	4 7"	8 2"	8 6"	9 8"	4 7"	8 2"	8 6"	9 8"
	#3	4 7"	7 9"	8 3"	9 7"	4 7"	7 9"	8 3"	9 7"	4 7"	7 9"	8 3"	9 7"
	Stud	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"
	Standard	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"
Group C	#1 / #2	4 10"	8 2"	8 6"	9 8"	4 7"	8 2"	8 6"	9 8"	4 7"	8 2"	8 6"	9 8"
	#3	4 7"	7 9"	8 3"	9 7"	4 7"	7 9"	8 3"	9 7"	4 7"	7 9"	8 3"	9 7"
	Stud	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"
	Standard	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"
Group D	#1 / #2	4 10"	8 2"	8 6"	9 8"	4 7"	8 2"	8 6"	9 8"	4 7"	8 2"	8 6"	9 8"
	#3	4 7"	7 9"	8 3"	9 7"	4 7"	7 9"	8 3"	9 7"	4 7"	7 9"	8 3"	9 7"
	Stud	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"
	Standard	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"	4 7"	8 1"	8 4"	9 7"



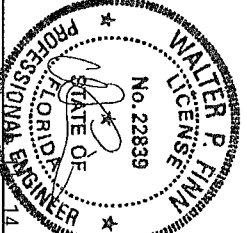
Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4 0"	1x4 or 2x3
Greater than 4 0" but less than 11 6"	2x4
Greater than 11 6"	2x4

Refer to the Building Designer for conditions not addressed by this detail



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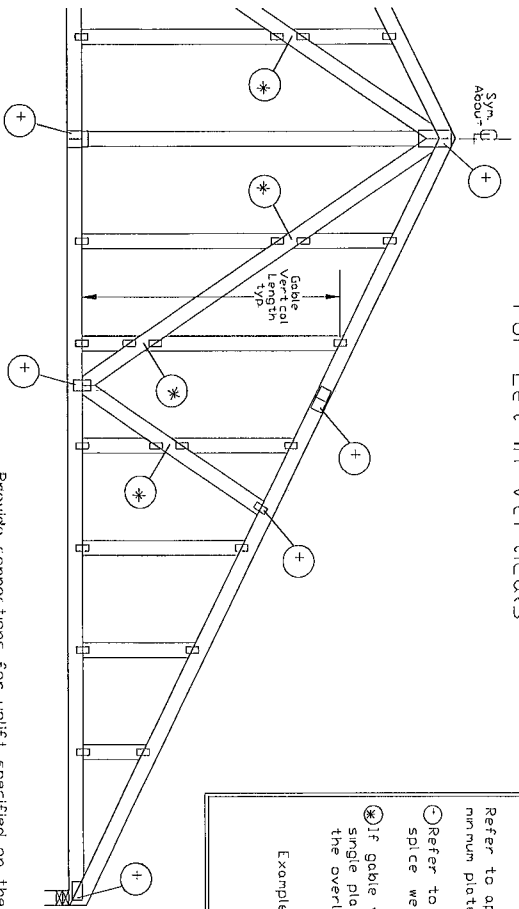


REF ASCE7-10-GAB2015
 DATE 2/14/12
 DRWG A12015ENC100212

MAX TDT LD 60 PSF
 MAX SPACING 24 0"

06/11/2014

Gable Detail For Let-in Verticals



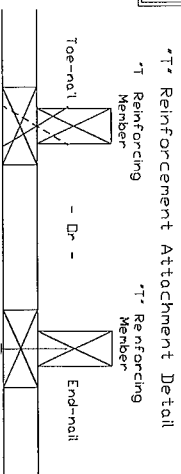
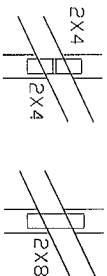
Gable Truss Plate Sizes

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

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

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

Example



To convert from 'L' to 'T' reinforcing members multiply 'T' increase by length (based on appropriate ITV gable detail)

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'T' reinforcing member material must match size specie and grade of the 'L' reinforcing member

Web Length Increase w/ 'T' Brace

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

Example
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft Kzt = 1.00
Gable Vertical = 24' o.c. SP #3
'T' Reinforcing Member Size = 2x4
'T' Brace Increase (from Above) = 30% = 1.30
(1) 2x4 'L' Brace Length = 8' 7"
Maximum 'T' Reinforced Gable Vertical Length 130 x 8 7' = 11 2'

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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

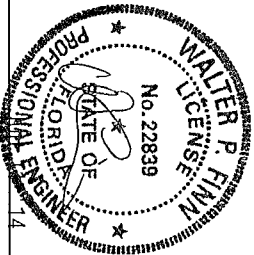


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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and allow the latest edition of the BCS Building Component Safety Information, by ITI and VITA for safety practices prior to erecting truss components. Installers shall provide temporary bracing per BCS. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections B3 B7 or B10 as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 150A-2 for standard plate positions.

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing any bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of this drawing by the engineer. The responsibility for the design of the truss shall remain with the designer. For more information see this job's general notes page and these web sites: www.bcs.com, www.vita.org, www.itv.org, www.bcsindustry.org, www.bcsindustry.org



MAX TDT	LD	60 PSF
DUR	FAC	ANY
MAX	SPACING	24 0

REF LET-IN VERT
DATE 2/16/12
DRWG GBLLET100212

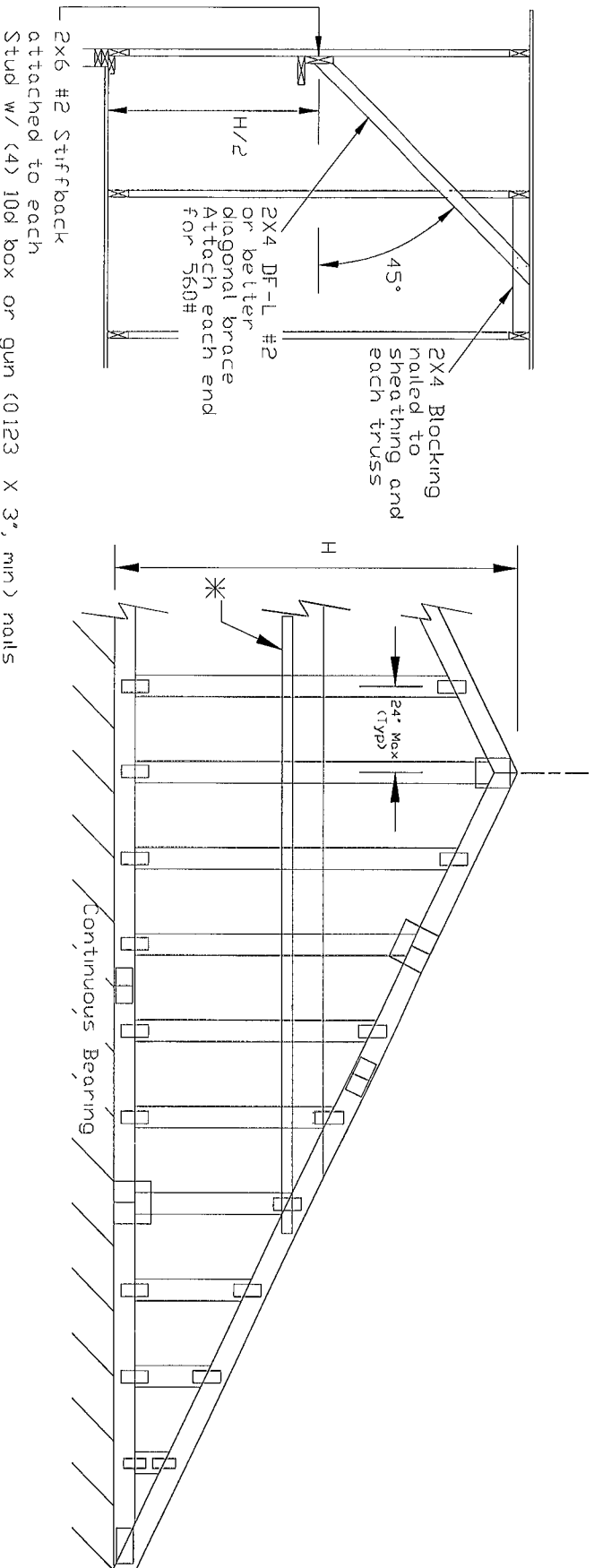
06/11/2014

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

Top	Continuous roof sheathing
Bot	Continuous ceiling diaphragm

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

Nails 10d box or gun (0.128 x 3", min) nails



- H Less than 4'6" - no stud bracing required
- H Greater than 4'6" to 7'6" in length
provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC100212)
- H Greater than 7'6" to 12'0" max
provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC100212)
- * Optional 2x L-reinforcement attached to stiffback with 10d box or gun
(0128" x 3", min) nails @ 6" o.c



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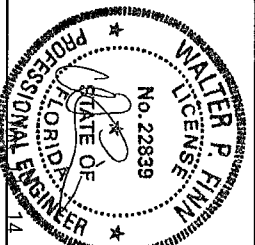
Building Components Group Inc.

Earth City MO 63045

*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER ***

Unless requested otherwise, all in fabric, no handling, no lifting and no bending. Be on the floor, no least, on a BCI (Building Component) slip-in frame only by 1PI and WICs for 15 min. prior to per forming these functions. Initials are attached temporarily, marking per BCI practices prior to per forming these functions. No cloth shall have properly shielded sheathing and bottom chord shall have a properly e-acted rigid ceiling. Locations shown for applicable layer, as to each of webs shall have marking installed per BCI sec 03.37 or B10 as applicable. Apply plac-5 to each of a e-cess and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 160A-2 for standard plac-5 positions.

JTV Building Components Group Inc shall not be responsible for this drawing, any failure to build the truss in accordance with ANSI/PPI or for handling, shipping, installation or bracing of russes. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/PPI Sect 2.



MAX TOT LD 60 PSF

MAX SPACING

REF GE WHALER

DATE 2/14/12

DRWG GABRST100212

