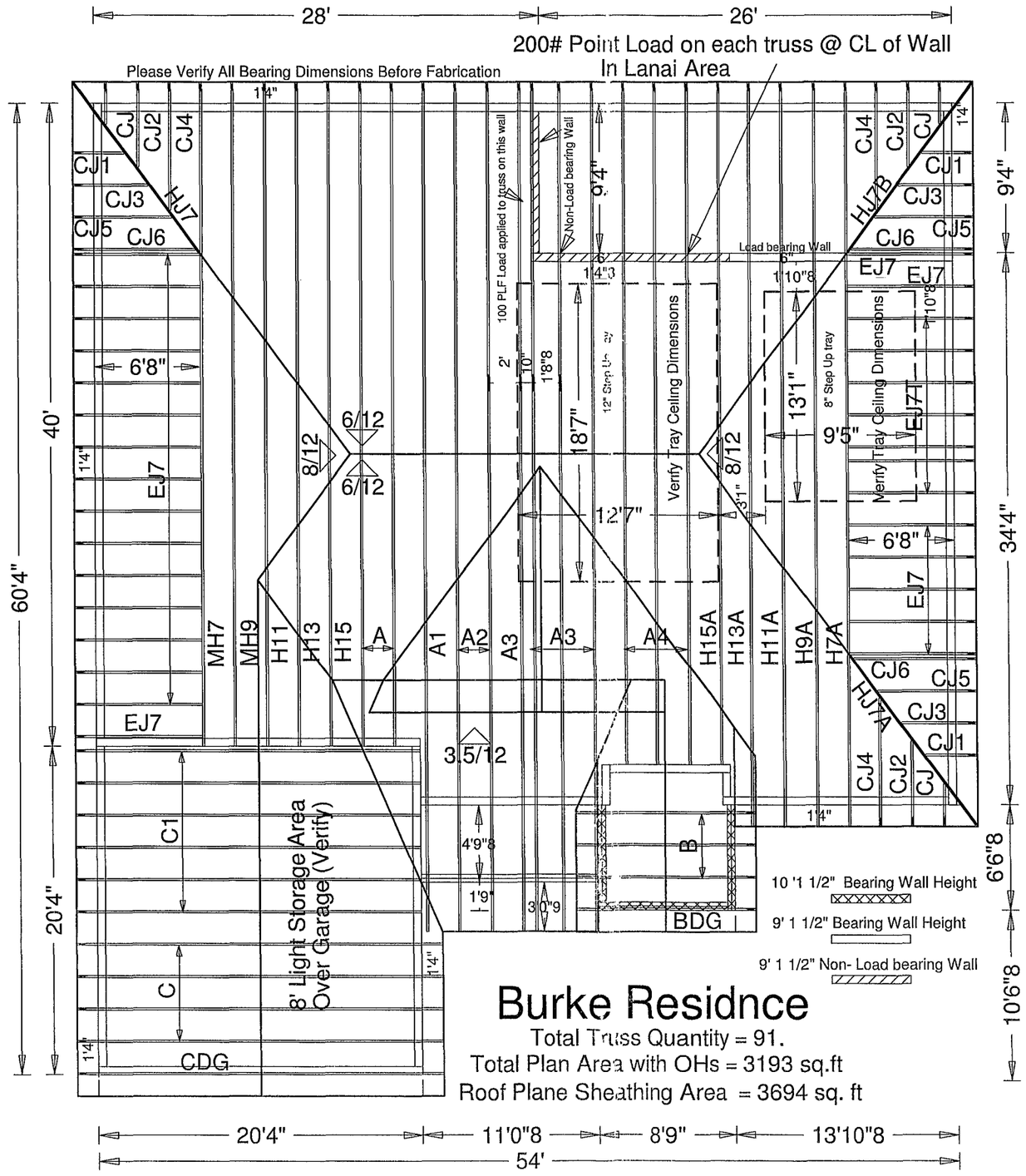


ANDERSON TRUSS COMPANY
"QUALITY PRE-ENGINEERED WOOD TRUSSES"

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

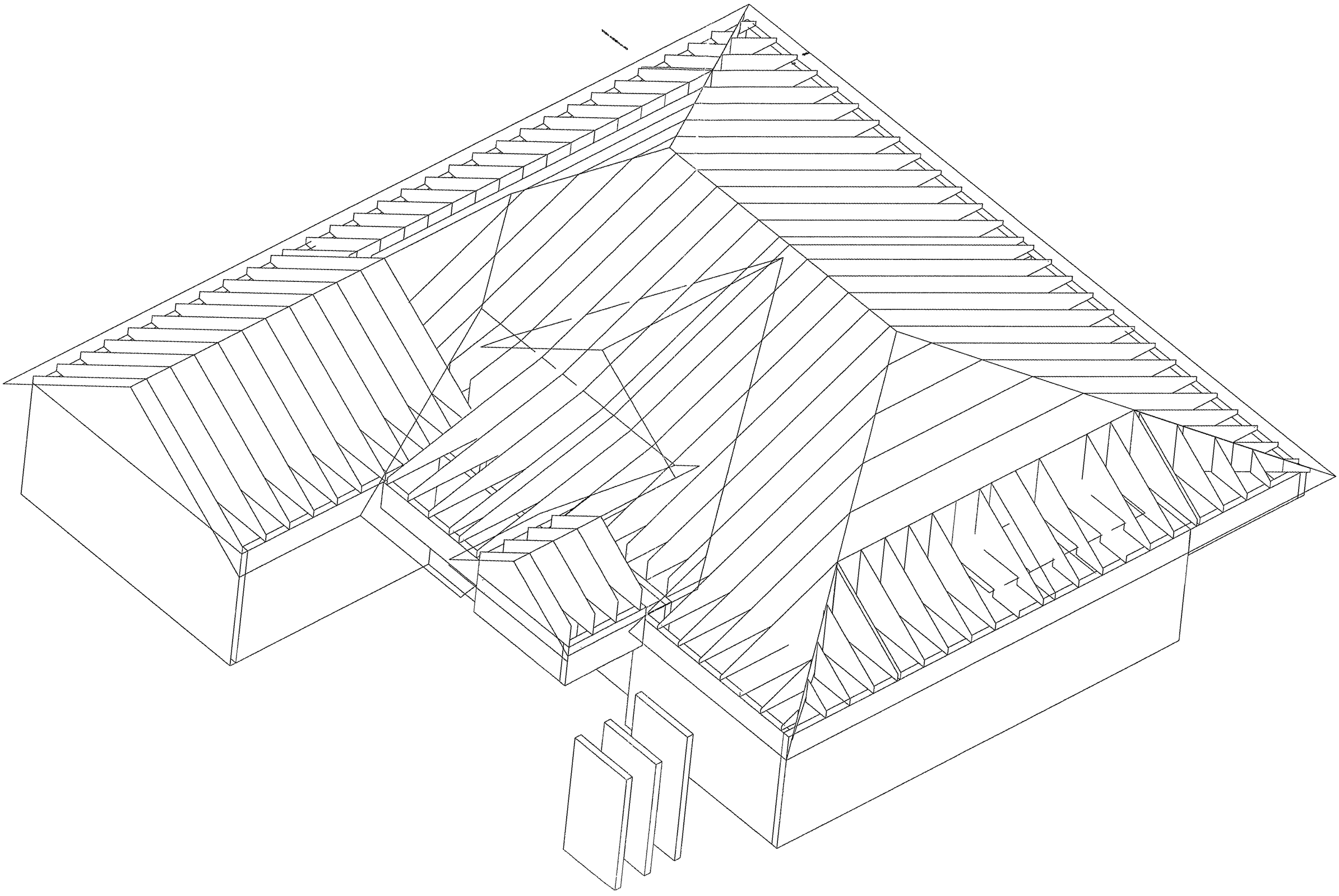
: Burke
Created : 04-07-2014
: <Not Found>

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

82



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
 Document ID 1V5C487-Z0207105429

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

Truss Fabricator	Anderson Truss Company
Job Identification	14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL
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 61G15-31.003(5a) of the FAC
Minimum Design Loads	Roof - 37.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 120 MPH ASCE 7-10 -Closed

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

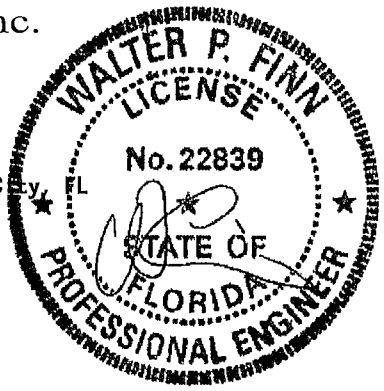
Details: BRCLBSUB-

#	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" Cable	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

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
 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

04/07/2014

-Truss Design Engineer-
Walter P Finn

1950 Marley Drive
Haines City, FL 33844

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

Revised Trusses

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

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - A 40 Mono Hip)

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

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

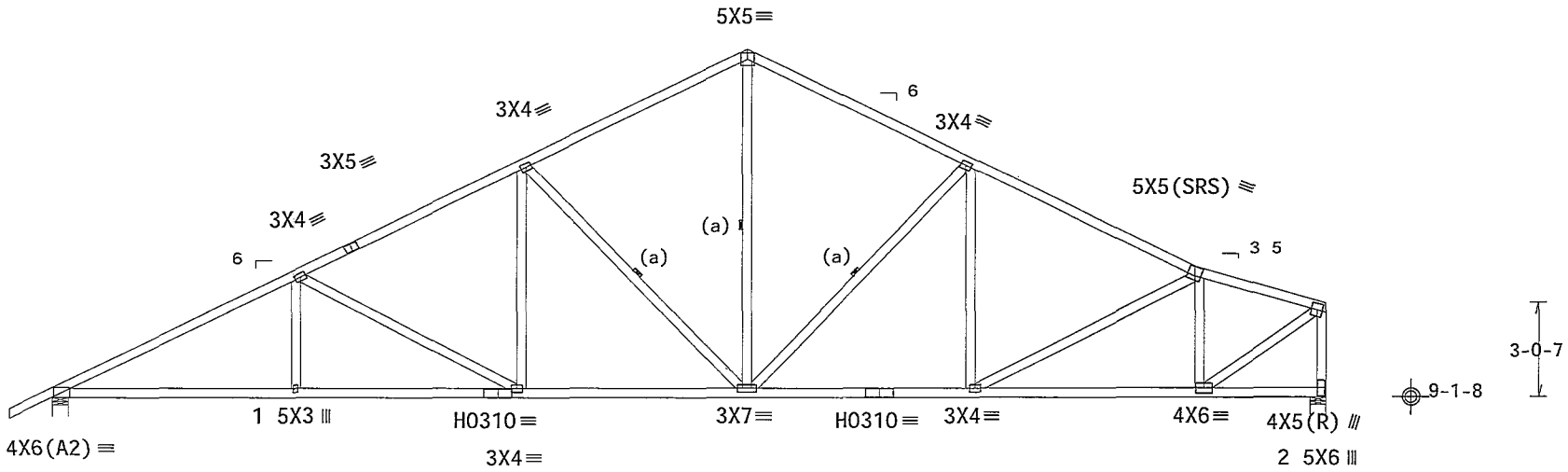
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on 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

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04 0806.14 QTY:2 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng shipping installing and bracing Refer to and follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to perform ng these funct ons Installers shall prov de 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 restra nt of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to build the truss in conformance w th 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 Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate positions A seal on this draw ng or cover page l st ng this draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The suitab lity and use of this design for any structure is the responsibil ty of the Building Designer per ANSI/TPI 1 Sec 2 For more informat on see This job s general notes page ITW BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE 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	HCUSR9114 14097009
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37 0 PSF	SEQN-	364447
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - A1 48'5"8 Mono Hip)

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

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

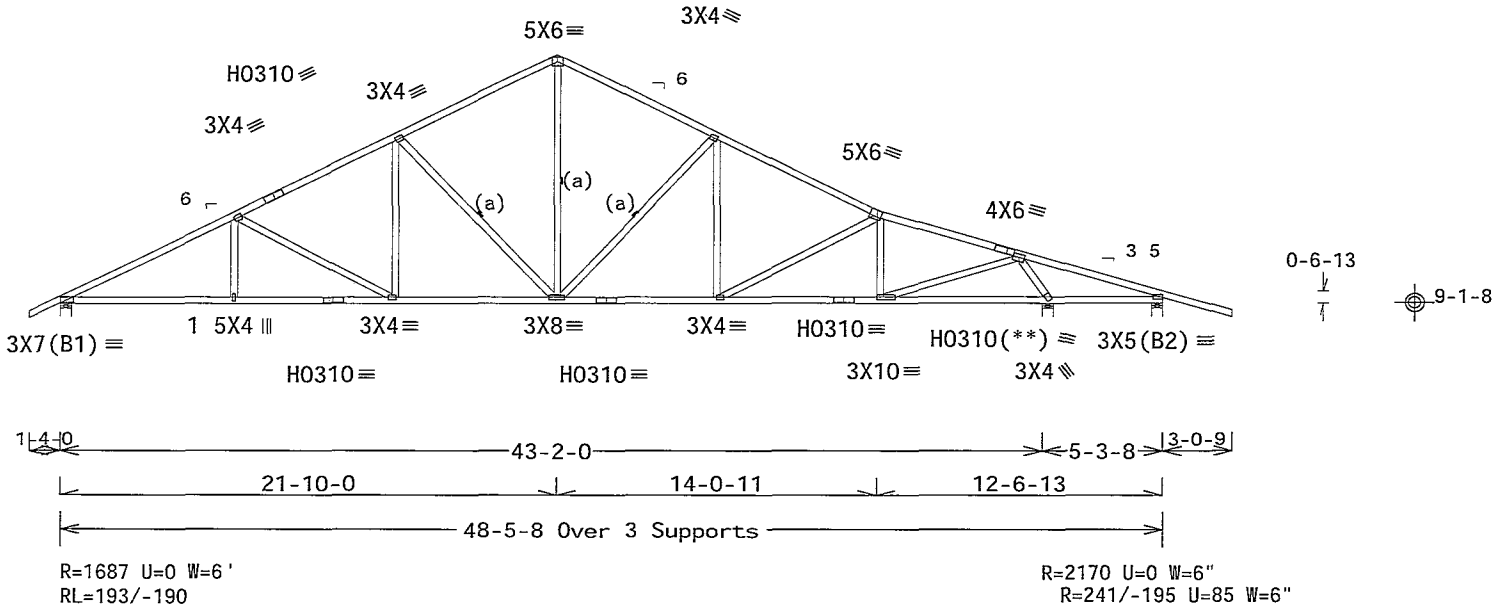
Negative reaction(s) of -195# MAX (See below) from a non-wind load case requires uplift connection

(**) 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 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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12 03.04 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 INCLUDING INSTALLERS

Trusses requ re extreme care n fabricat ng handl ng shipping installing and bracing Refer to and follow the latest edition of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety practices prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restra nt of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this desi any fa lure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation brac ng of trusses Apply plates to each face of truss and posit on as shown above and on the Joint Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on this draw ng or cover page l st ng th s draw ng ind cates acceptance of professional engineering respons bil ty solely for the des gn shown The su tab lity and use of this design for any structure is the respons bil ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more informat on see This job s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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/WPF
TOT.LD.	37.0 PSF	SEQN-	364448
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - A2 48'5'8 Common)

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

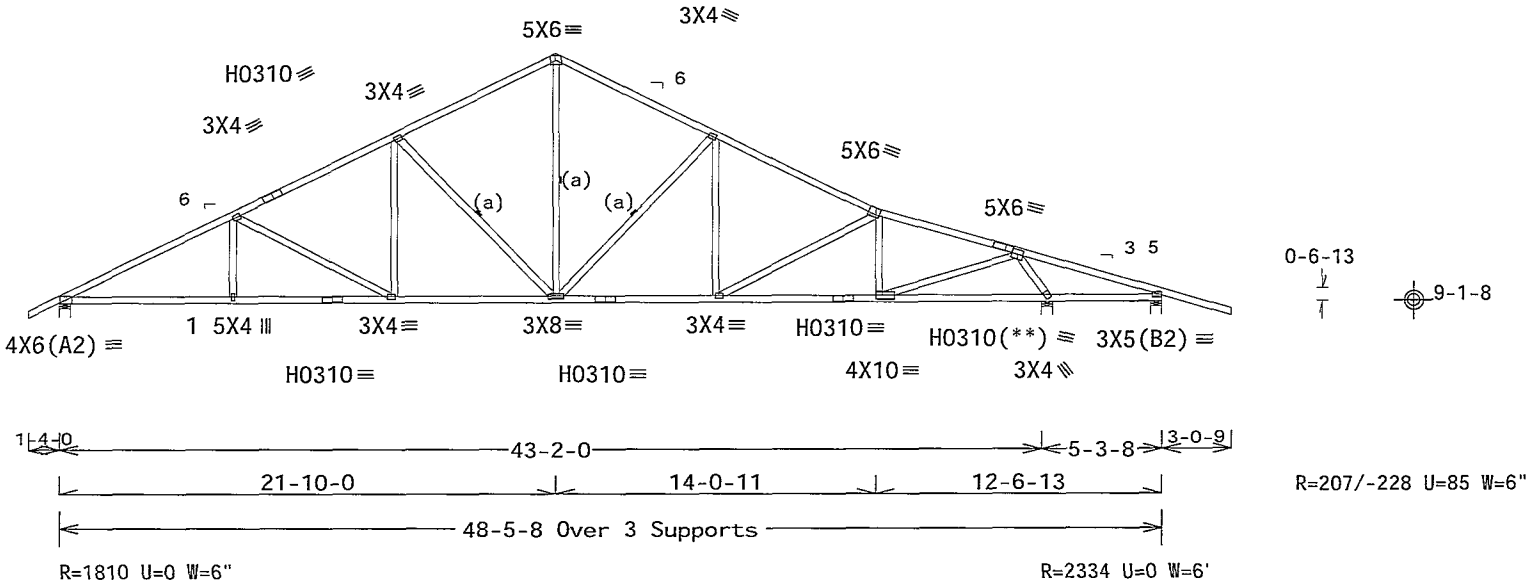
(**) 1 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

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 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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04 QTY:2 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 INCLUDING INSTALLERS

Trusses require extreme care n fabricating handl ng shipping installing and bracing Refer to and follow the latest edit on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall prov de temporary brac ng 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 restra nt of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng nstallat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions A seal on th s draw ng or cover page listing this drawing indicates acceptance of profess onal eng neer ng respons bility solely for the design shown The suitabil ty and use of th s design for any structure s the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

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/WPF
TOT.LD	37 0 PSF	SEQN-	364449
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - A3 48'5'8 Common)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B B1 2x4 SP 2850f-2 3E
B3 2x4 SP M-30
Webs 2x4 SP #3-13B W3 2x4 SP #1-13B
W4 W7 W19 W20 W22 2x4 SP #2-13B
Lt Wedge 2x4 SP #3-13B

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 9 31
TC- From 56 plf at 9 31 to 56 plf at 21 83
TC- From 56 plf at 21 83 to 56 plf at 35 89
TC- From 55 plf at 35 89 to 55 plf at 40 69
TC- From 55 plf at 40 69 to 55 plf at 51 51
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 140 plf at 0 00 to 140 plf at 11 33
BC- From 20 plf at 11 33 to 20 plf at 16 83
BC- From 60 plf at 16 83 to 60 plf at 17 67
BC- From 60 plf at 17 67 to 60 plf at 19 08
BC- From 20 plf at 19 08 to 20 plf at 31 67
BC- From 20 plf at 31 67 to 20 plf at 34 46
BC- From 20 plf at 34 46 to 20 plf at 48 46
BC- From 4 plf at 48 46 to 4 plf at 51 51
BC- 200 00 lb Conc Load at 9 67
BC- 20 00 lb Conc Load at 11 33 29 67

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

Laterally brace Bottom Chord above filler at 24 oc. including a lateral brace at chord ends

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

(I) - 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 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

Calculated horizontal deflection is 0 14 due to live load and 0 18" due to dead load

(a) Continuous lateral restraint equally spaced on member

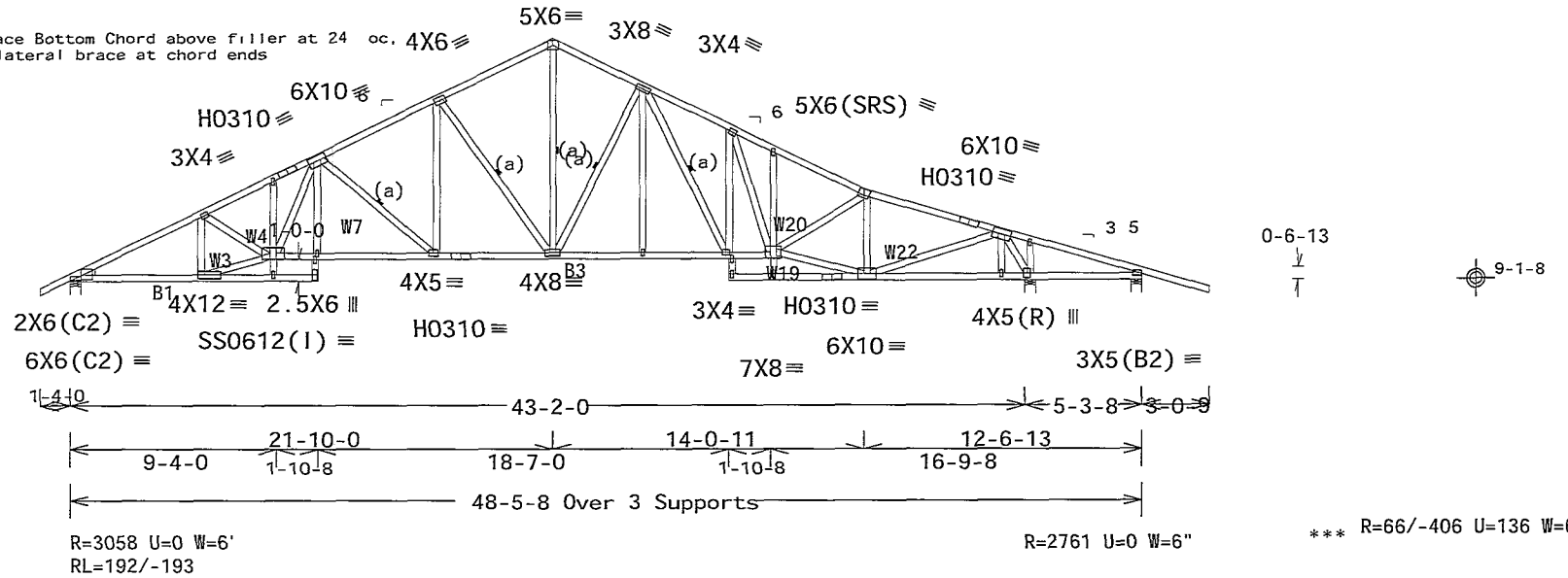
Truss passed check for 20 psf additional bottom chord live load in areas with 42 -high x 24 -wide clearance

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

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 15 00 ft from roof edge



R=3058 U=0 W=6'
RL=192/-193

R=2761 U=0 W=6"

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

Note: All Plates Are 1 5X4 Except As Shown.

PLT TYP 20 Gauge HS,18 Gauge HS, Design Crit: FBC2010Res/TPI-2007(STD)
Wave FT/RT=20%(0%)/10(0) 12 03.04 QTY:4 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 INCLUDING INSTALLERS

Trusses requ re extreme care in fabricat ng handling shipping install ng and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces 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 rig d ceiling Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s des any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng shipping nstallat on bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page listing th s drawing ndicates acceptance of profess onal engineer ng respons b lity solely for the des gn shown The su tabil ty and use of this des gn for any structure is the respons bility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14097040
BC LL	0.0 PSF	HC-ENG	JB/WPF
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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - A4 41'2" Special)

Top chord 2x4 SP #1-13B T4 2x4 SP 2850f-2 3E
Bot chord 2x4 SP #1-13B B4 2x4 SP 2850f-2 3E
Webs 2x4 SP #3-13B W3 2x4 SP #2-13B
W21 2x4 SP 2850f-2 3E

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 9 31
TC- From 56 plf at 9 31 to 56 plf at 21 83
TC- From 56 plf at 21 83 to 56 plf at 30 78
TC- From 56 plf at 30 78 to 56 plf at 41 17
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 11 33
BC- From 20 plf at 11 33 to 20 plf at 16 83
BC- From 60 plf at 16 83 to 60 plf at 17 67
BC- From 60 plf at 17 67 to 60 plf at 19 08
BC- From 20 plf at 19 08 to 20 plf at 23 92
BC- From 60 plf at 23 92 to 60 plf at 27 75
BC- From 20 plf at 27 75 to 20 plf at 31 67
BC- From 20 plf at 31 67 to 20 plf at 41 17
BC- 200 00 lb Conc Load at 9 67

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

(I) - plates so 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 roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCpi(+/-)=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

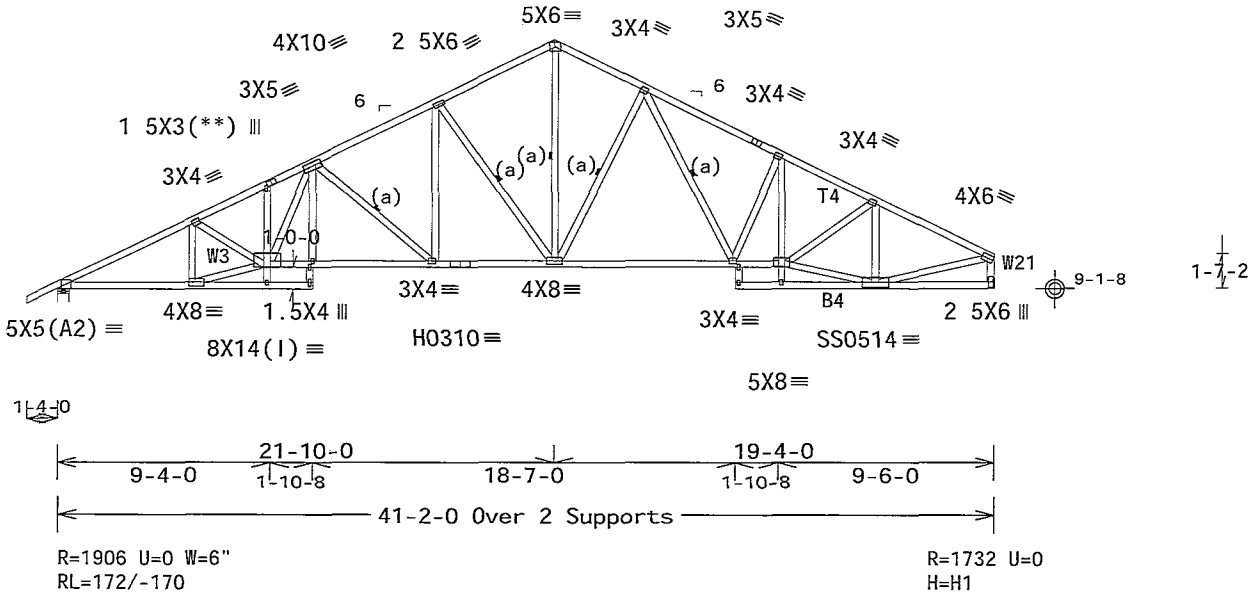
Truss passed check for 20 psf additional bottom chord live load in areas with 42 -high x 24 -wide clearance

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

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

These hangers and support conditions used at bearings indicated
(H1) = Simpson
(H2) = (J) Hanger not calculated



Note All Plates Are 1 5X3 Except As Shown
PLT TYP 20 Gauge HS,18 Gauge HS, Design Crit FBC2010Res/TPI-2007(STD)
Wave FT/RT=20%(0%)/10(0) 12 03.04 0326 14 QTY 3 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 INCLUDING INSTALLERS

Trusses require extreme care in fabricat ng handl ng shipping install ng and brac ng Refer to and follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety practices prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restra nt of web shall have bracing nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng nstallat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th draw ng or cover page l st ng this draw ng indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitab l ty and use of th s design for any structure s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformat on see This job s general notes page ITW BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15785
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10 0 PSF	DRW	HCUSR9114 14097011
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

04/07/2014

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - B 8'9" Common)

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

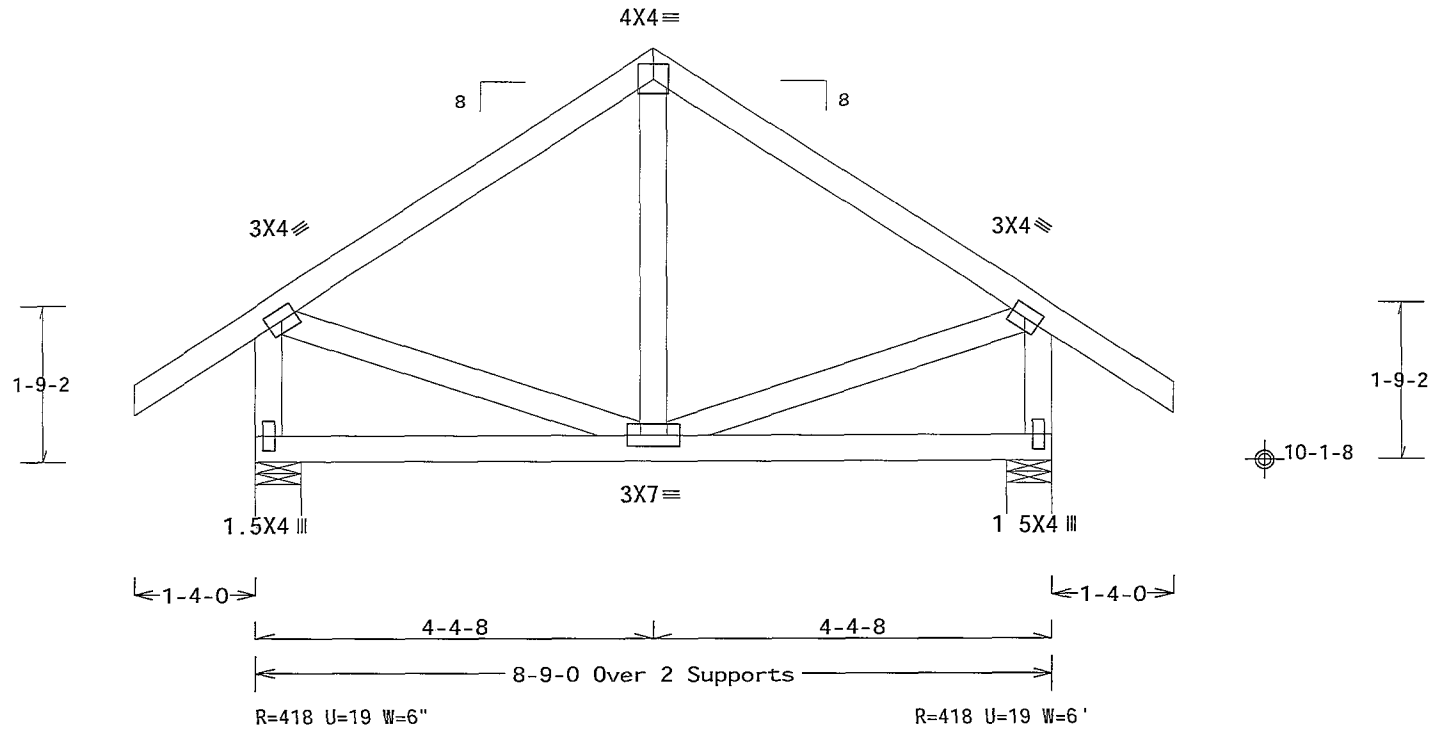
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave 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 #0 278

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

Trusses require extreme care in fabr cat ng handling shipping installing and brac ng Refer to and follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of web shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu lding Components Group Inc (ITWBCG) shall not be responsible for any deviat on from this design any failure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping nstallation & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on this drawing or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neering respons b l ty solely for the des gn shown The su tab l ty and use of th s des gn for any structure is the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

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	HCUSR9114 14097026
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD	37.0 PSF	SEQN-	364452
DUR FAC	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--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, GBLLETIN0212, & 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

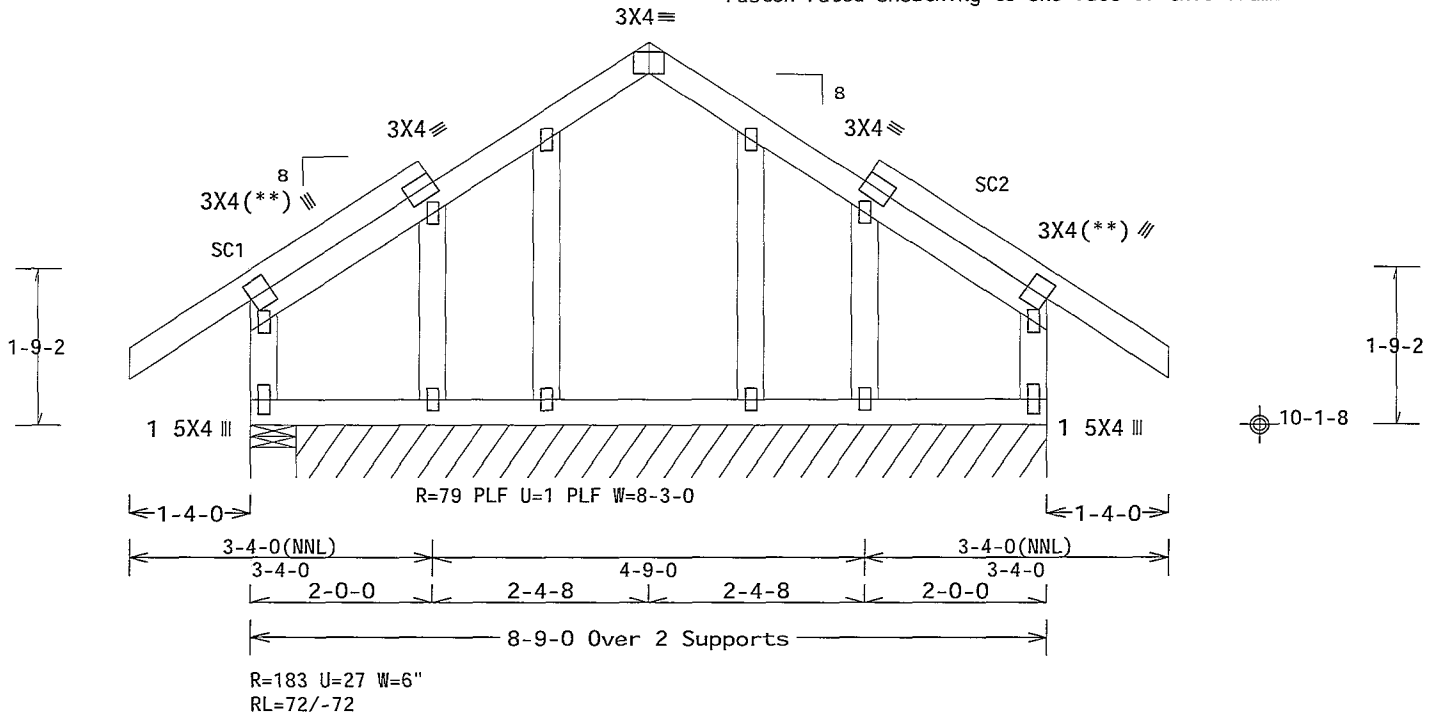
(**) 2 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

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 GCpi(+/-)=0 18

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

Stacked top chord must NOT be notched or cut in area (NNL) Dropped top chord braced at 24" o c intervals Attach stacked top chord (SC) to dropped top chord in 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



Note All Plates Are 1 5X3 Except As Shown

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03 04 0326 14 QTY 1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care in fabricating handling sh pp ng nstall ng and brac ng Refer to and follow the latest ed tion of BCSI (Building Component Safety Information by TPI and WTCA) for safety pract ces pr or to perform ng these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d ce l ng Locat ons shown for permanent lateral restra nt of web shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev ation from this design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling shipp ng installat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate pos t ons A seal on th drawing or cover page l sting this drawing indicates acceptance of profess onal eng neer ng respons b l ty solely for the design shown The su tabil ty and use of th s des gn for any structure s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

04/07/2014

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/WPF
TOT.LD	37.0 PSF	SEQN-	364453
DUR FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - C 20'4" Common)

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

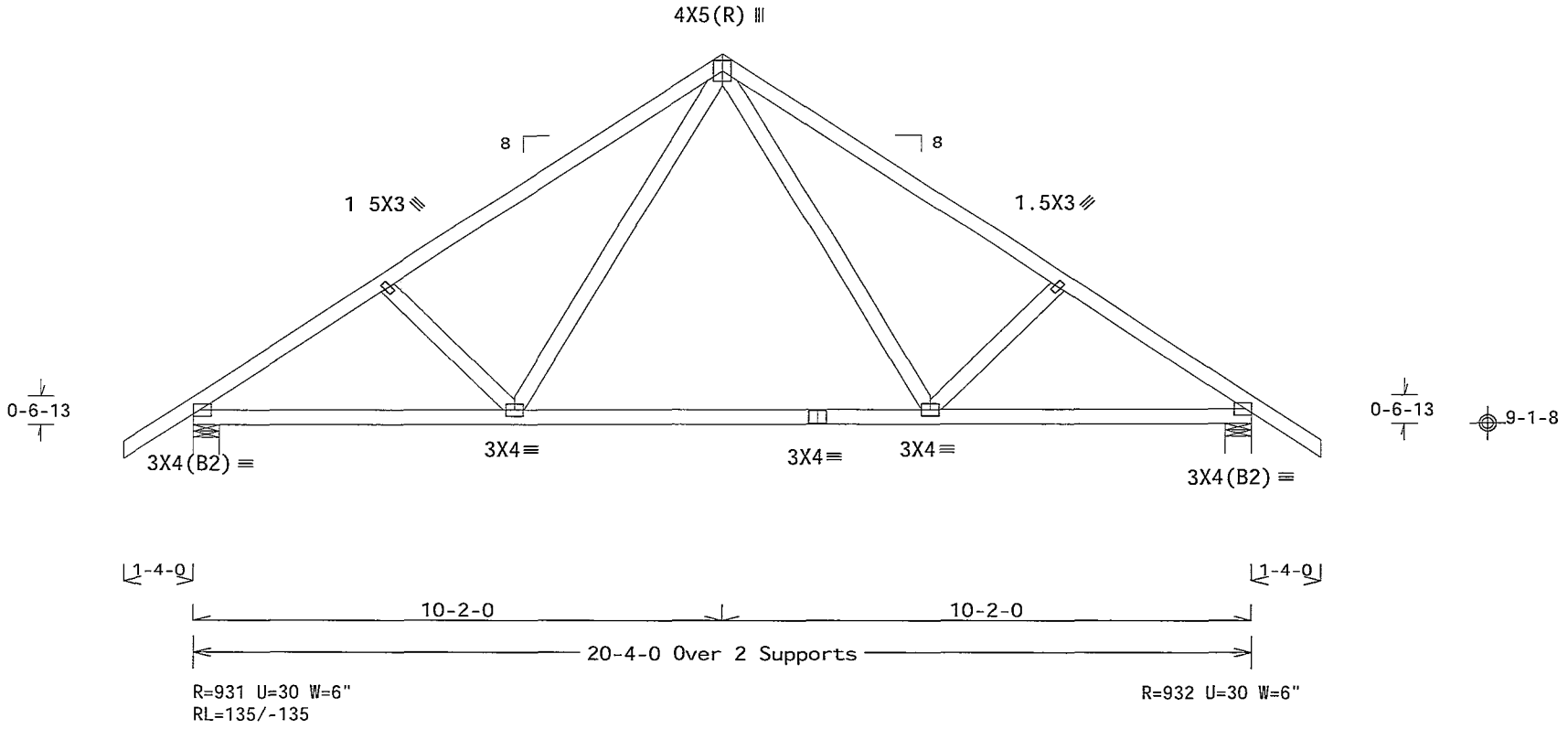
Truss passed check for 20 psf additional bottom chord live load in areas with 42'-high x 24"-wide clearance

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12 03 04 0326 14 QTY.4 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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

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

Trusses requ re extreme care n fabr cating handl ng shipping installing and bracing Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety practices pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d ce l ng Locations shown for permanent lateral restra nt of web shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handling sh pping installat on & brac ng of trusses Apply plates to each face of truss and posit on as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on th draw ng or cover page l st ng th s drawing nd cates acceptance of professional engineering responsib l ty solely for the des gn shown The su tab l ity and use of this design for any structure is the respons b l ity of the Build ng Des gner per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

04/07/2014

TC LL	20 0 PSF	REF	R9114- 15788
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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - C1 20'4" Common)

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

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

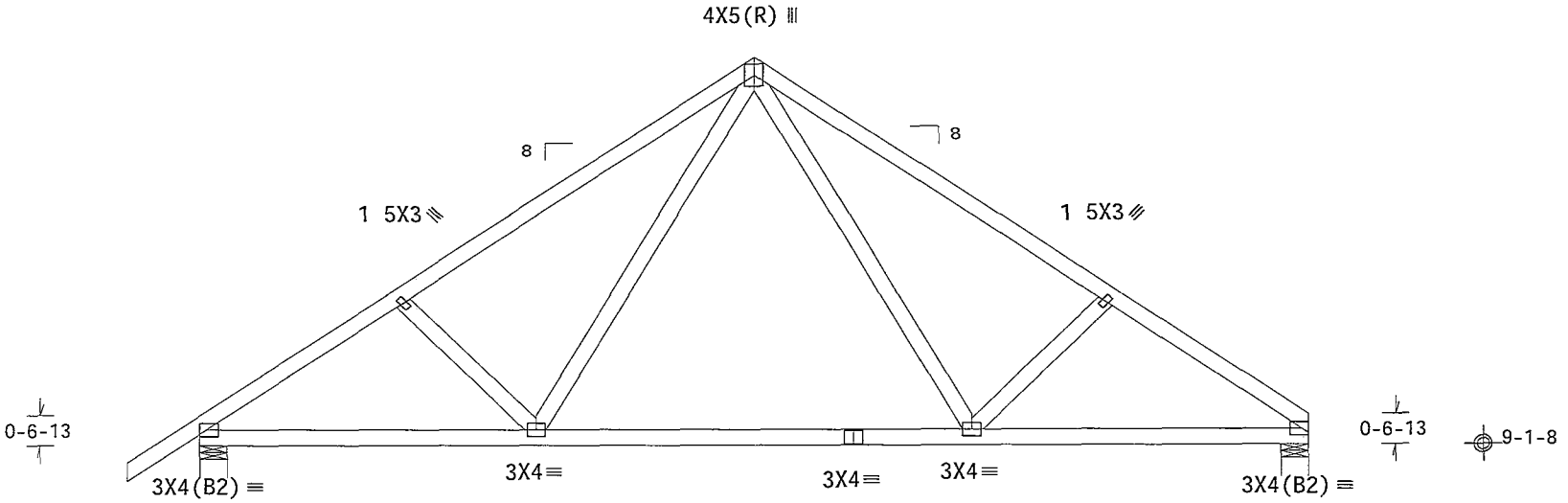
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave | 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

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

Trusses requ re extreme care in fabr cat ng handling shipping install ng and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of web shall have bracing nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng shipping nstallation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page listing this drawing ndicates acceptance of professional engineering respons b lity solely for the des gn shown The su tab l ty and use of this design for any structure is the respons b lity of the Building Des gner per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

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/WPF
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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - CDG 20'4 Common)

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

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 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

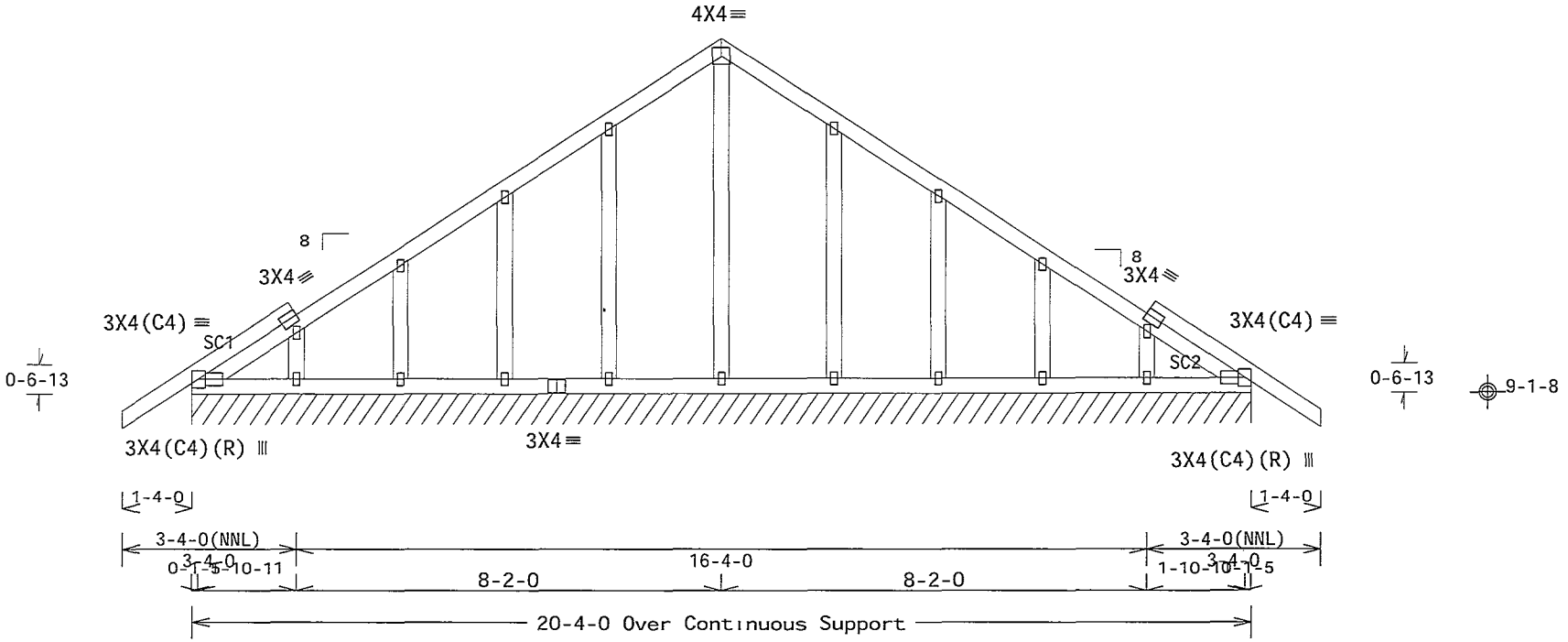
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

See DWGS A12015ENC100212, GBLLETIN0212, & 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



R=85 PLF U=3 PLF W=20-4-0
RL=7/-7 PLF

Note All Plates Are 1 5X3 Except As Shown

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 12.03.04 ER6.1 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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

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

Trusses require extreme care n fabricating handl ng sh pping nstalling and bracing Refer to and follow the latest ed tion of BCSI (Building Component Safety Information by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r gid ce ling Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this desig any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipping nstallation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page listing this drawing indicates acceptance of profess onal engineering respons bility solely for the design shown The suitability and use of this des gn for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14097014
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD	37.0 PSF	SEQN-	364456
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - CJ 1 4"3 Jack)

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

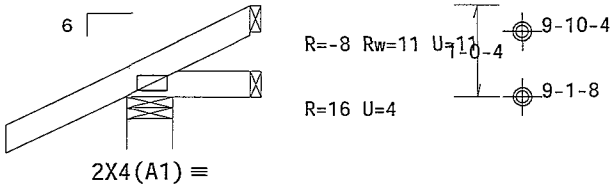
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

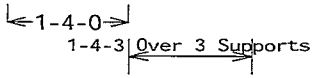
Bottom chord checked for 10 00 psf non-concurrent live load

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





R=192 U=20 W=6"
RL=22

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 ER6PI QTY:3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care n fabricating handling sh pp ng nstall ng and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling Locations shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this des any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng nstallation & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherw se Refer to drawings 160A-Z for standard plate positions A seal on this drawing or cover page listing this draw ng indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitability and use of th s design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

WALTER P. FINN LICENSE 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	SEQN- 364457
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - CJ1 1'10"14 Jack)

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

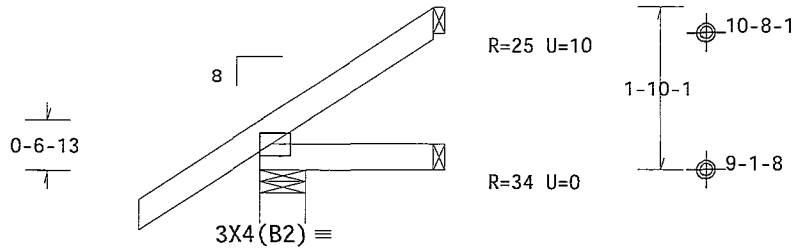
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

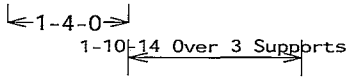
Bottom chord checked for 10 00 psf non-concurrent live load

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





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

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 Rep1 QTY:3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care in fabricating handling sh pp ng installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these 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 ce l ng Locat ons 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 respons ble for any dev ation from this desig any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handling sh pping 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 Refer to drawings 160A-Z for standard plate positions A seal on this drawing or cover page listing th s drawing nd cates acceptance of professional engineering responsibil ty solely for the design shown The su tability and use of this design for any structure is the respons b l ty of the Building Des gner per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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/WPF
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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - CJ2 4'0"3 Jack)

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

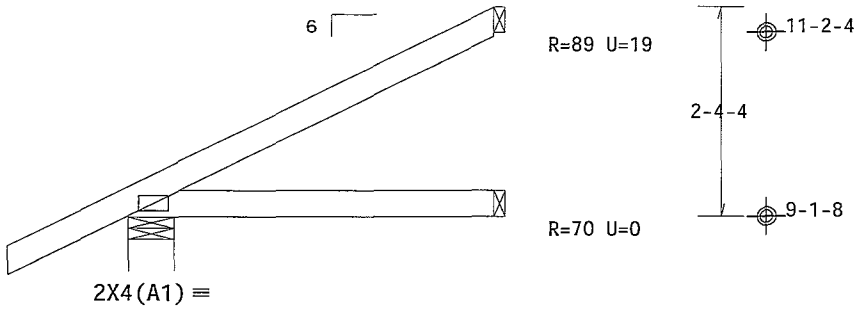
Lumber grades designated with "13B' use design values approved 1/30/2013 by ALSC

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

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

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 TCDL=7.0 QTY:3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care in fabricating handling shipping nstalling and bracing Refer to and follow the latest edit on of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices pr or to performing these funct ons 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 ce l ng Locations shown for permanent lateral restra nt of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be responsible for any deviation from this desig any fa lure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on this draw ng or cover page l st ng this draw ng indicates acceptance of professional eng neer ng responsibility solely for the design shown The suitability and use of this design for any structure s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15793
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097018
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD.	37.0 PSF	SEQN-	364459
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - CJ3 3'4"14 Jack)

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

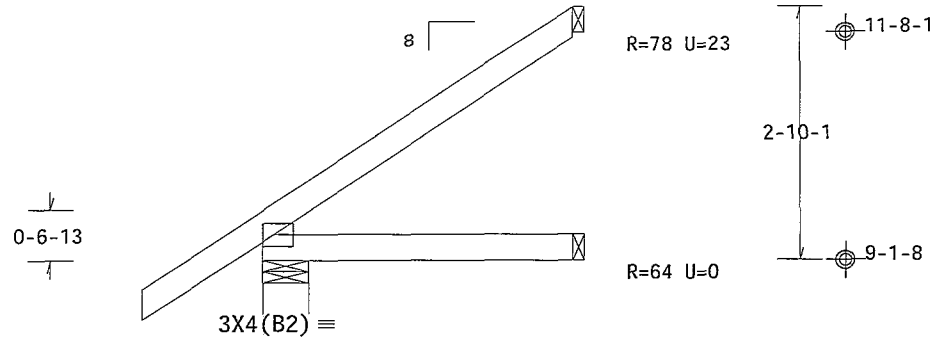
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave 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

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

Trusses require extreme care in fabricat ng handling shipping installing and brac ng Refer to and follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d ce ling Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev ation from this desig any failure to build the truss in conformance w th ANSI/TPI 1 or for handl ng shipping nstallation & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on th s drawing or cover page listing th s draw ng ndicates acceptance of profess onal engineering respons b l ty solely for the des gn shown The su tabil ty and use of th s des gn for any structure is the respons b l ty of the Build ng Des gner per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15794
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097022
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD	37.0 PSF	SEQN-	364460
DUR FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - CJ4 6'8"3 Jack)

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

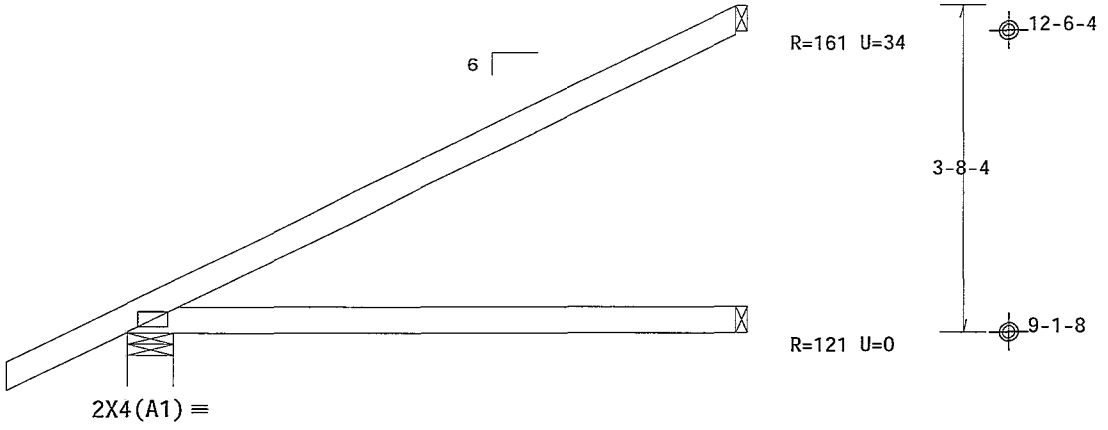
Lumber grades designated with "13B' use design values approved 1/30/2013 by ALSC

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 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

6-8-3 Over 3 Supports

R=348 U=7 W=6"
RL=66/-25

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave 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

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

Trusses require extreme care in fabricating handling sh pp ng nstall ng and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ceiling Locations shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from th s des any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng nstallation brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th s draw ng or cover page list ng this draw ng indicates acceptance of professional eng neer ng responsibility solely for the design shown The suitab lity and use of th s design for any structure s the responsibility of the Bu ld ng Designer per ANSI/TPI 1 Sec 2 For more informat on see This job s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14097016
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT LD	37.0 PSF	SEQN-	364461
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - CJ5 4'10"14 Jack)

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

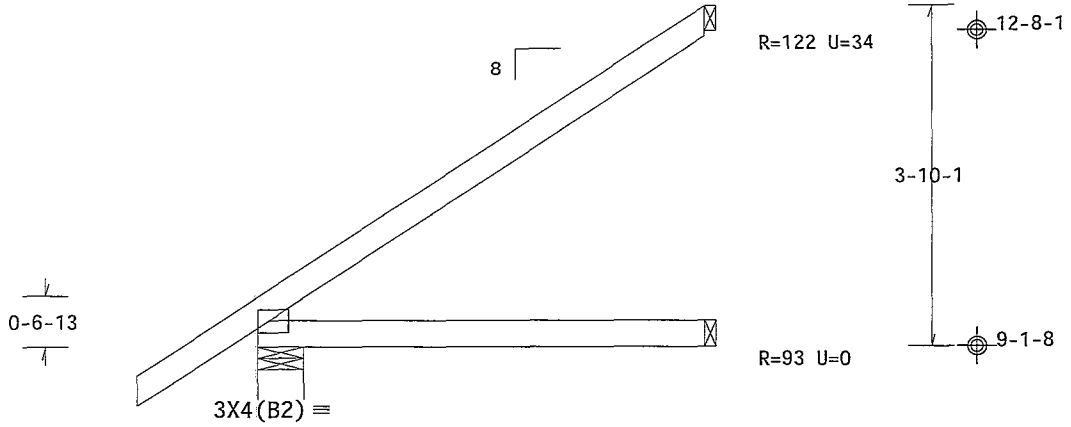
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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 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

4-10-14 Over 3 Supports

R=285 U=0 W=6"
RL=68/-34

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave 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

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

Trusses requ re extreme care n fabricat ng handl ng shipping nstalling and bracing Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to perform ng these funct ons Installers shall provide temporary brac ng 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 restra nt of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be responsible for any deviation from this desi any failure to bu ld the truss n conformance with ANSI/TPI 1 or for handling shipping installat on brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th s draw ng or cover page l st ng this draw ng ndicates acceptance of professional eng neer ng responsibility solely for the design shown The suitabil ty and use of th s des gn for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15796
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10 0 PSF	DRW	HCUSR9114 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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - CJ6 6'4"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

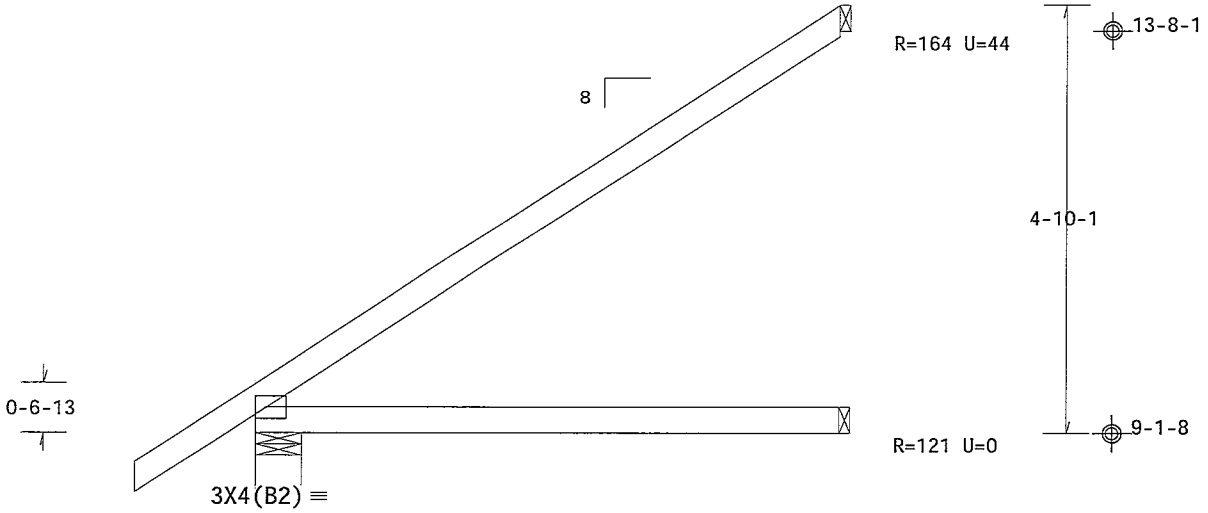
Bottom chord checked for 10 00 psf non-concurrent live load

MWFRS 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 GCpi(+/-)=0 18

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

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03 04 [illegible] QTY:3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care n fabricating handl ng shipp ng installing and bracing Refer to and follow the latest ed t on of BCSI (Bu lding Component Safety Information by TPI and WTCA) for safety practices pr or to perform ng these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this des any failure to build the truss in conformance with ANSI/TPI 1 or for handling sh pping nstallation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th s draw ng or cover page list ng this draw ng indicates acceptance of professional eng neer ng responsibility solely for the design shown The suitabil ty and use of th s design for any structure s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14097020
BC LL	0.0 PSF		HC-ENG SSB/WPF
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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - EJ7 6'8' End 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

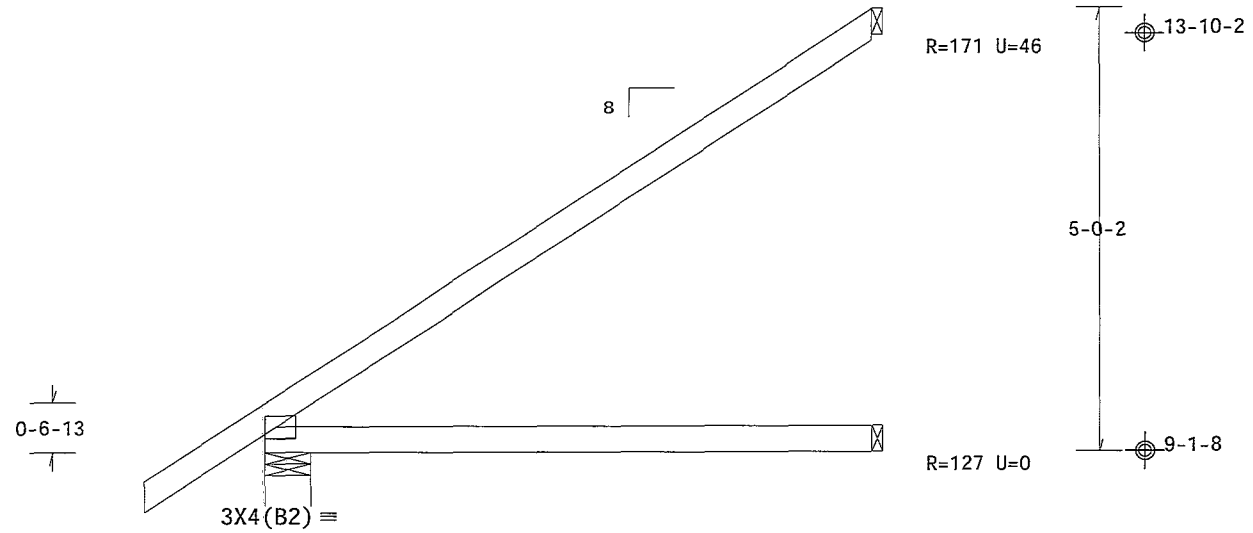
Bottom chord checked for 10 00 psf non-concurrent live load

MWFRS 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 GCpi(+/-)=0 18

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 QTY.23 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care in fabricating handling shipp ng install ng and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ceiling Locat ons shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this desig any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipping installation & bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page I sting th s drawing ndicates acceptance of profess onal engineer ng respons b l ty solely for the des gn shown The su tabil ty and use of this design for any structure is the respons b l ty of the Bu ld ng Designer per ANSI/TPI 1 Sec 2 For more information see Th s job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15798
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097024
BC LL	0.0 PSF	HC-ENG	SSB/WPF
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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - EJ7T 6 8' End Jack)

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

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

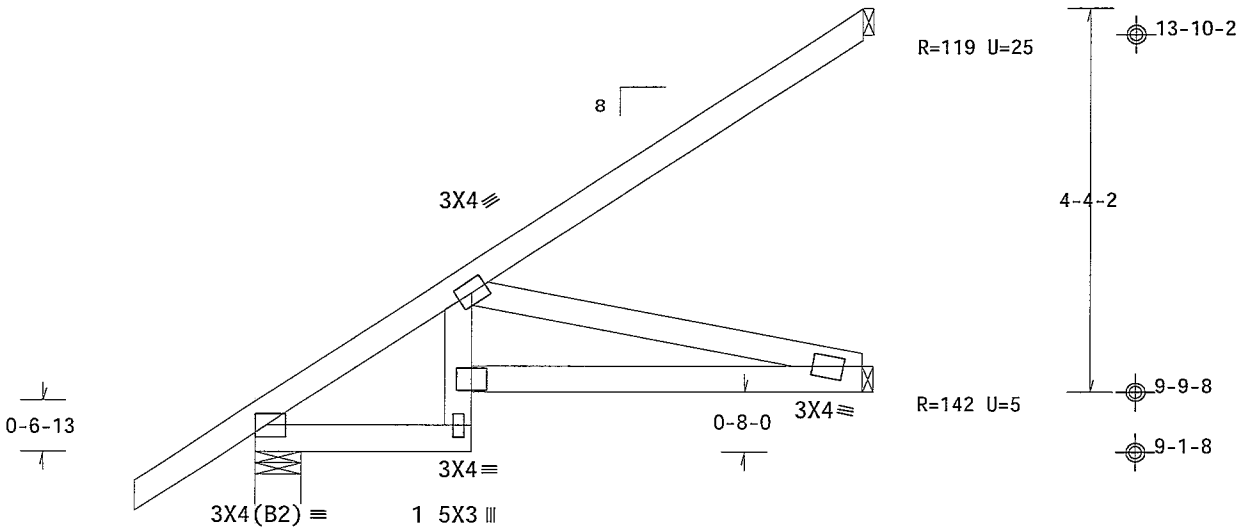
Bottom chord checked for 10 00 psf non-concurrent live load

MWFRS 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 GCpi(+/-)=0 18

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 12.03.04 per ICC QTY:7 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses requ re extreme care in fabricat ng handling shipping nstalling and brac ng Refer to and follow the latest edition of BCSI (Bu lding Component Safety Information by TPI and WTCA) for safety practices pr or to performing these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceil ng Locat ons shown for permanent lateral restraint of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this desi any fa lure to build the truss in conformance with ANSI/TPI 1 or for handling sh pping nstallation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th s draw ng or cover page listing this draw ng indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitability and use of this design for any structure s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14097012
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	364563
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - HJ7 11'8" Hip Jack Girder)

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

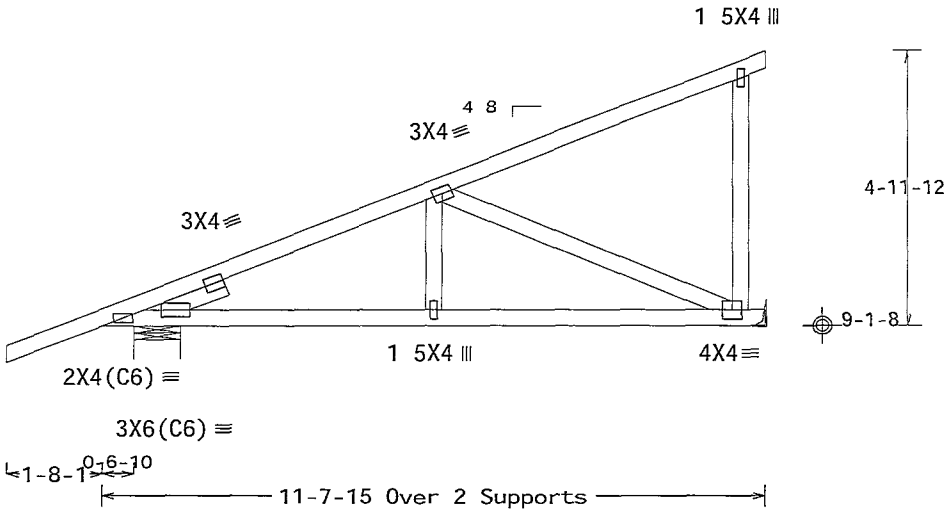
Wind loads and reactions based on MWFRS

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
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at -1 67 to 55 plf at 11 66
BC- From 4 plf at -1 67 to 4 plf at 0.00
BC- From 20 plf at 0 00 to 20 plf 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



R=961 U=93 W=10"

R=1181 U=90
H=H1

Design Crit: FBC2010Res/TPI-2007(STD)

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

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

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

Trusses requ re extreme care in fabricat ng handl ng shipping installing and brac ng Refer to and follow the latest edition of BCSI (Build ng Component Safety Information by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ing Locations shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this des n any fa lure to build the truss n conformance w th 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 Jo nt Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th s drawing or cover page i nd cat ng this drawing indicates acceptance of profess onal eng neer ng responsib l ty solely for the design shown The suitabil ty and use of th s des gn for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

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/WPF
TOT LD.	37.0 PSF	SEQN-	364474
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - HJ7A 11'8" Hip Jack Girder)

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 MWFRS

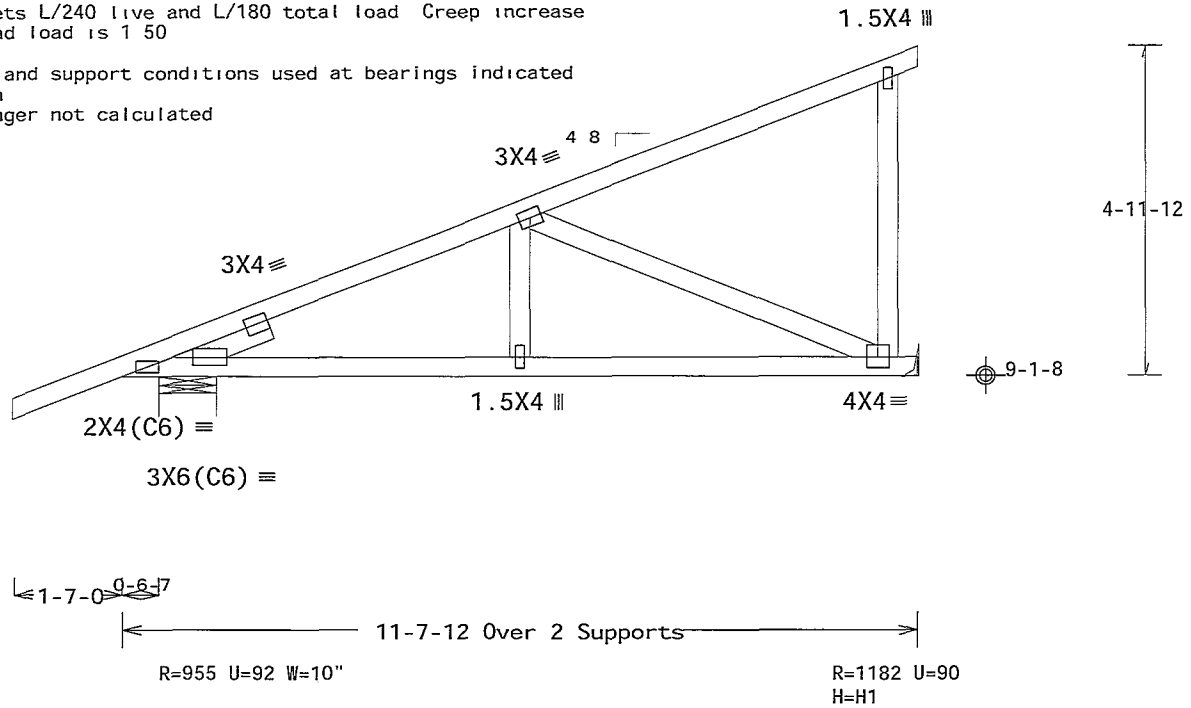
Left cantilever is exposed to wind

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 Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at -1 58 to 55 plf at 11 65
BC- From 4 plf at -1 58 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf 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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 44 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

Trusses requ re extreme care in fabr cating handling shipping installing and brac ng Refer to and follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall prov de 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 restra nt of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this des n any failure to build the truss n conformance w th ANSI/TPI 1 or for handling shipping installation bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page listing th s drawing nd cates acceptance of profess onal engineering respons b lity solely for the des gn shown The su tabil ty and use of th s des gn for any structure is the responsib lity of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see Th s job s general notes page ITW BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

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/WPF
TOT LD.	37 0 PSF	SEQN-	364618
DUR.FAC	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(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 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 MWFRS

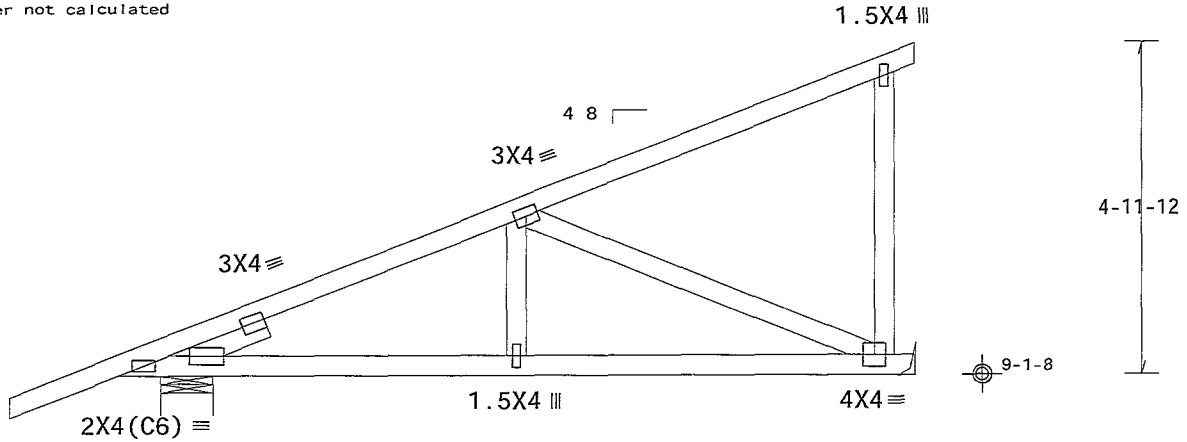
Left cantilever is exposed to wind

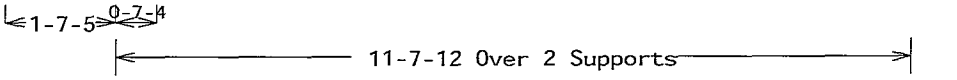
Bottom chord checked for 10 00 psf non-concurrent live load

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 Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at -1 59 to 55 plf at 11 65
BC- From 4 plf at -1 59 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf 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





R=961 U=93 W=9 167"

R=1176 U=89
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 12.03 04 QTY.1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

Trusses requ re extreme care n fabricating handling shipp ng nstall ng and bracing Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices pr or to perform ng these funct ons 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 ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this des n any failure to build the truss n conformance with ANSI/TPI 1 or for handling shipp ng installation brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherwise Refer to drawings 160A-Z for standard plate posit ons A seal on th s draw ng or cover page l st ng this drawing indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitabil ty and use of th s des gn for any structure s the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www ccsafe org

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

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

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

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

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

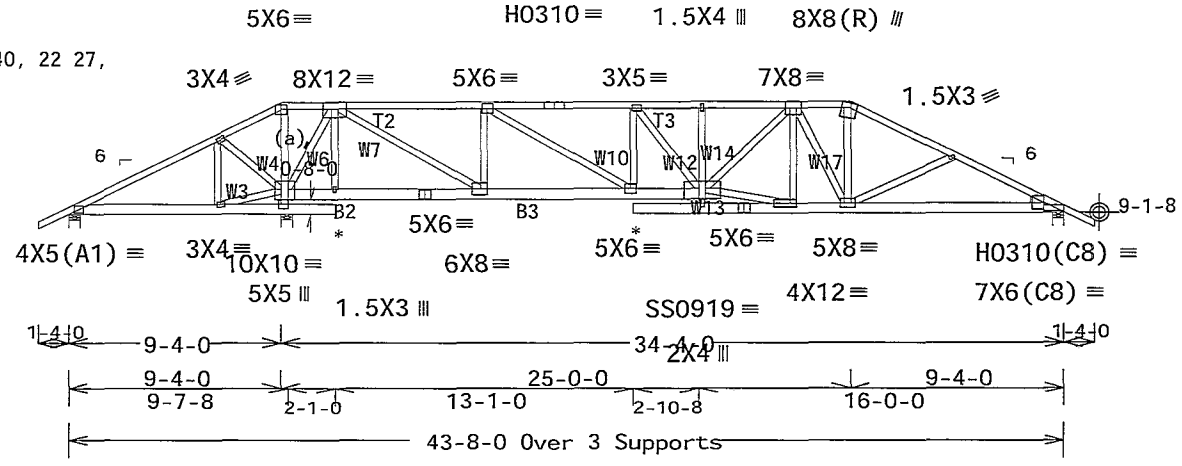
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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



PLT TYP 20 Gauge HS,18 Gauge HS, Wave Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0) 13 02 07 [illegible] 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 INCLUDING INSTALLERS

Trusses require extreme care n fabricat ng handl ng sh pp ng nstalling and bracing Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices pr or to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev ation from this des n any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping installation bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on th s draw ng or cover page l sting th s drawing nd cates acceptance of profess onal eng neering respons b ty solely for the des gn shown The su tab l ty and use of this des gn for any structure s the respons b l ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20 0 PSF	REF	R9114- 15803
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097043
BC LL	0.0 PSF		HC-ENG JB/WPF
TOT LD	37 0 PSF	SEQN-	3794 REV
DUR.FAC.	1 25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - H9A 43'8" Stepdown Hip)

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
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 12 00
TC- From 56 plf at 12 00 to 56 plf at 22 00
TC- From 56 plf at 22 00 to 56 plf at 31 67
TC- From 56 plf at 31 67 to 56 plf at 45 00
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 11 83
BC- From 20 plf at 11 83 to 20 plf at 14 67
BC- From 20 plf at 14 67 to 20 plf at 28 67
BC- From 20 plf at 28 67 to 20 plf at 29 67
BC- From 20 plf at 29 67 to 20 plf at 43 67
BC- From 4 plf at 43 67 to 4 plf at 45 00
BC- 200 00 lb Conc Load at 9 67

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

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

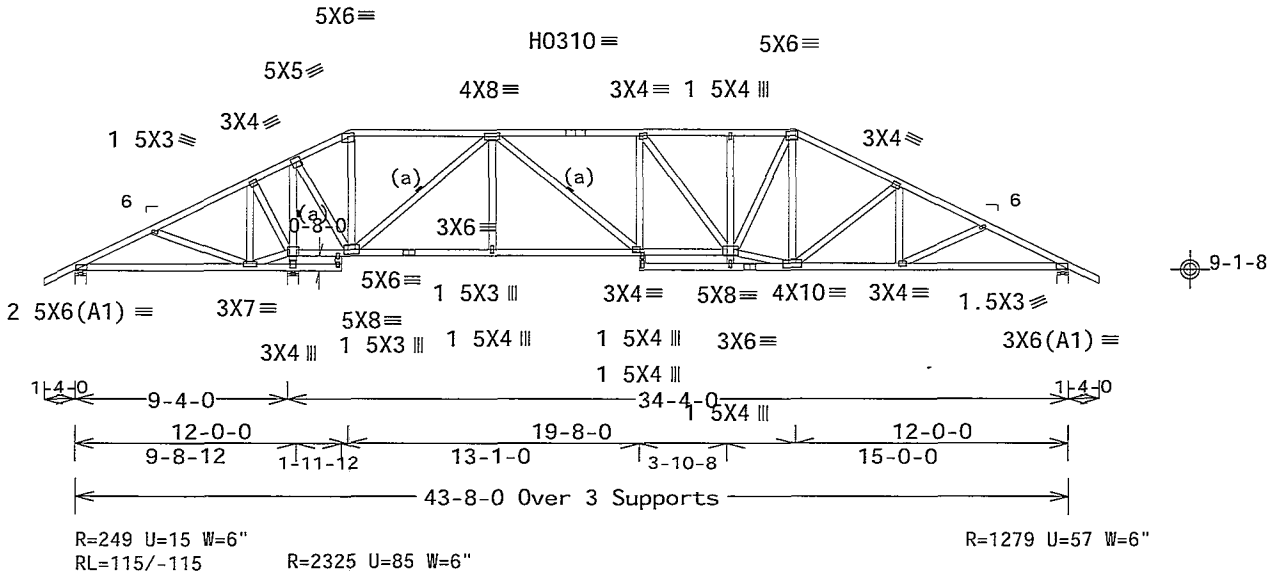
(a) Continuous lateral restraint equally spaced on member

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 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)



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12 03.04.0326.14 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 INCLUDING INSTALLERS

Trusses requ re extreme care n fabr cating handl ng shipping nstall ng and bracing Refer to and follow the latest edit on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety practices pr or to perform ng these funct ons Installers shall prov de temporary brac ng 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 restra nt of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation from th s design any fa lure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling shipp ng installation brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls un ess noted otherwise Refer to draw ngs 160A-Z for standard plate posit ons A sea on this draw ng or cover page l st ng th s draw ng nd cates acceptance of professional eng neer ng responsib l ty solely for the des gn shown The su tab l ity and use of this design for any structure s the responsib l ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 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

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - H11 40' Mono Hip)

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

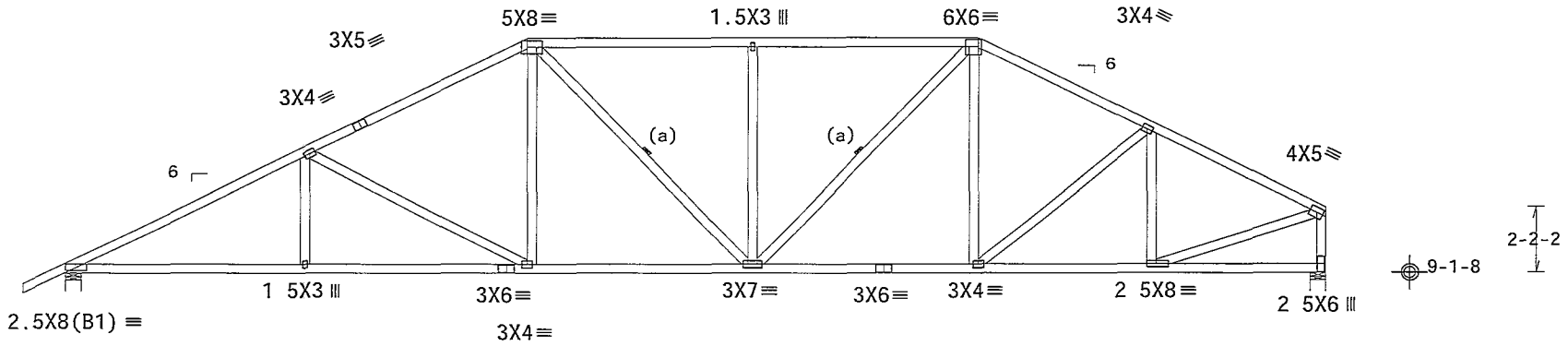
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

Wind loads and reactions based on MWFRS 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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12 03 04 0326 14 QTY 1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nstalling and bracing Refer to and follow the latest ed t on of BCSI (Bu lding Component Safety Information by TPI and WTCA) for safety practices pr or to perform ng these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev ation from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping installation bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on this draw ng or cover page l sting th s drawing nd cates acceptance of profess onal engineering responsib l ty solely for the design shown The su tab l ity and use of this design for any structure is the responsib l ty of the Building Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

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	SEQN-	364467
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - H11A 43'8" Stepdown Hip)

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

TC- From	56 plf at -1 33 to	56 plf at 9 27
TC- From	56 plf at 9 27 to	56 plf at 14 67
TC- From	56 plf at 14 67 to	56 plf at 29 00
TC- From	56 plf at 29 00 to	56 plf at 35 26
TC- From	56 plf at 35 26 to	56 plf at 45 00
BC- From	4 plf at -1 33 to	4 plf at 0 00
BC- From	20 plf at 0 00 to	20 plf at 11 83
BC- From	20 plf at 11 83 to	20 plf at 18 67
BC- From	20 plf at 18 67 to	20 plf at 26 67
BC- From	20 plf at 26 67 to	20 plf at 31 67
BC- From	20 plf at 31 67 to	20 plf at 43 67
BC- From	4 plf at 43 67 to	4 plf at 45 00

BC- 200 00 lb Conc Load at 9 67

(**) 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 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

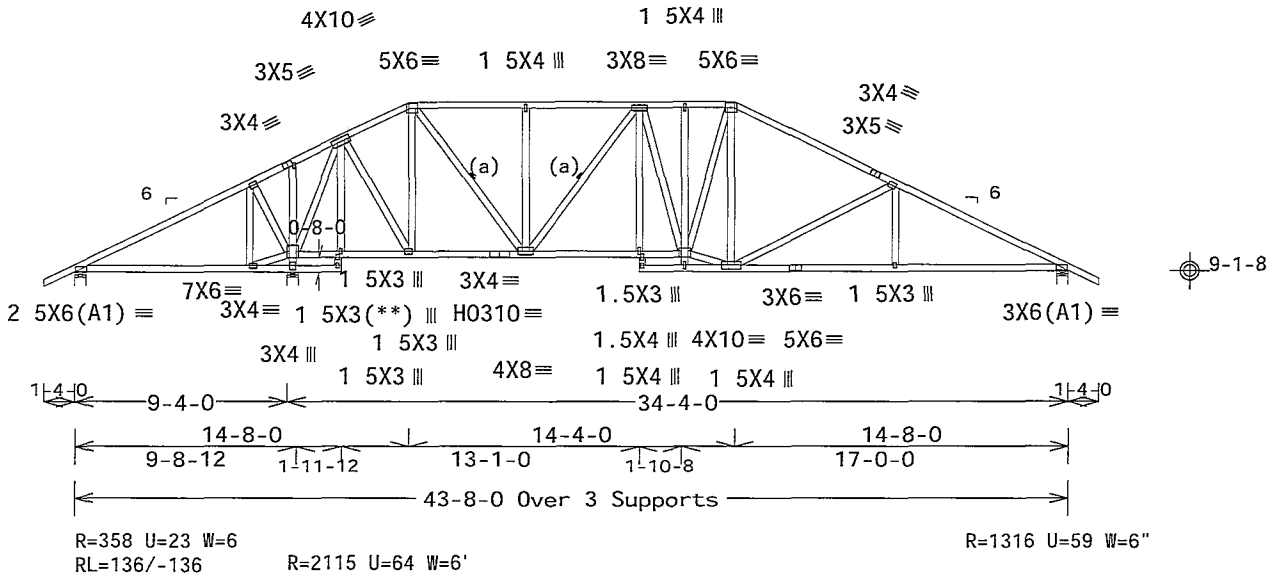
(a) Continuous lateral restraint equally spaced on member

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 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)



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03 04 [illegible]14 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 INCLUDING INSTALLERS

Trusses requ re extreme care in fabricat ng handling sh pping install ng and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceiling Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from th s design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipp ng installation brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A Seal on th s draw ng or cover page list ng this drawing indicates acceptance of professional eng neering respons bility solely for the design shown The suitabil ty and use of th s design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

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	HCUSR9114 14097003
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD	37.0 PSF	SEQN-	364532
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - H13 40' Mono Hip)

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

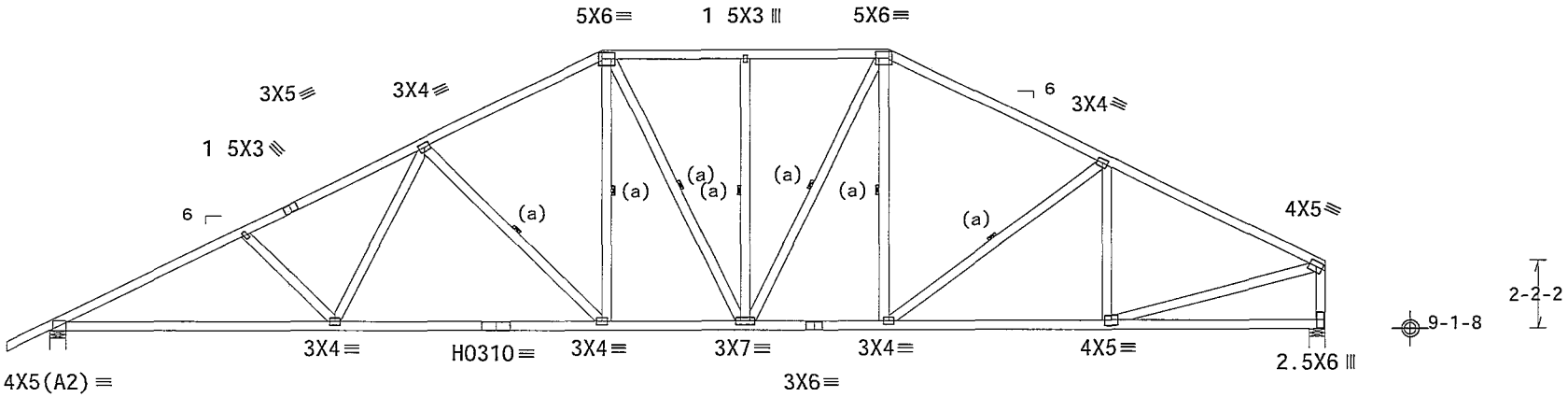
MWFRS loads based on trusses located at least 7 50 ft from roof edge

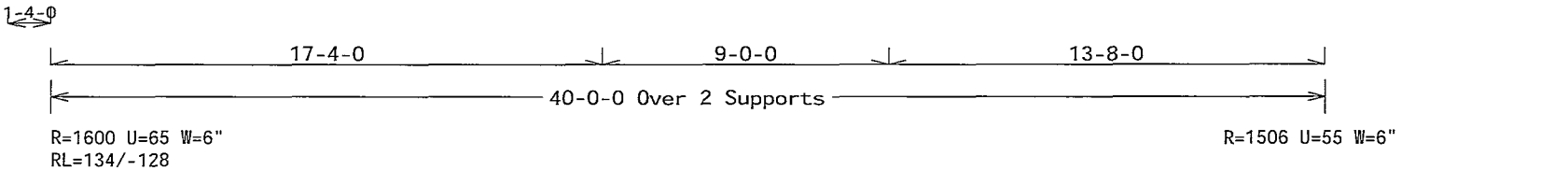
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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





R=1600 U=65 W=6"
RL=134/-128

R=1506 U=55 W=6"

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12 03.04 0806.14 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses require extreme care in fabricat ng handling shipp ng install ng and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherw se 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 brac ng nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipping nstallation brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate positions A seal on th s draw ng or cover page l st ng this drawing ndicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15807
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097007
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD	37.0 PSF	SEQN-	364469
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

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

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
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 7 48
TC- From 56 plf at 7 48 to 56 plf at 17 33
TC- From 56 plf at 17 33 to 56 plf at 26 33
TC- From 56 plf at 26 33 to 56 plf at 35 28
TC- From 56 plf at 35 28 to 56 plf at 45 00
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 14 00
BC- From 20 plf at 14 00 to 20 plf at 29 67
BC- From 20 plf at 29 67 to 20 plf at 43 67
BC- From 4 plf at 43 67 to 4 plf at 45 00
BC- 200 00 lb Conc Load at 9 67

Wind loads and reactions based on MWFRS 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

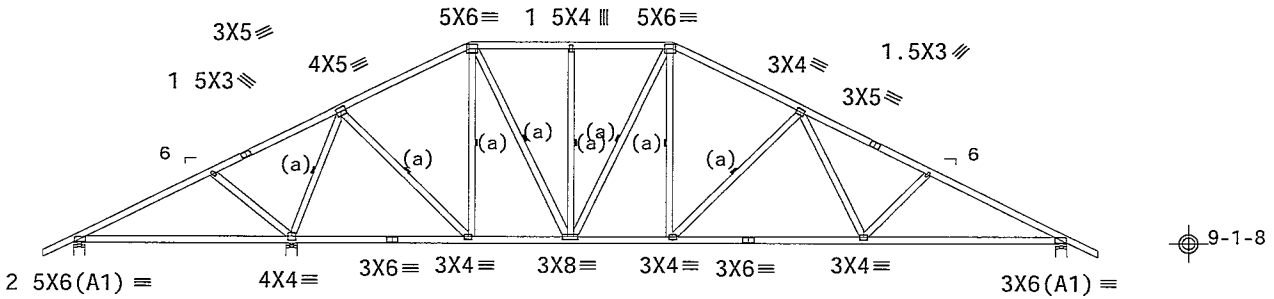
(a) Continuous lateral restraint equally spaced on member.

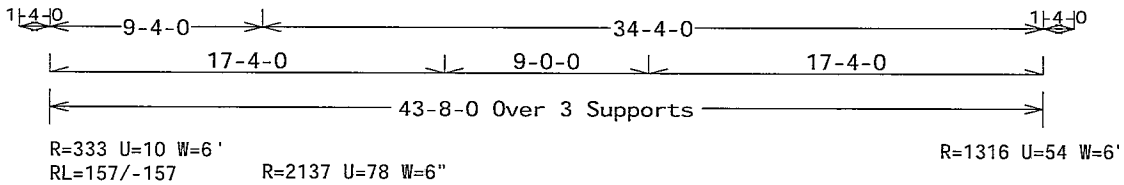
Bottom chord checked for 10 00 psf non-concurrent live load

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

MWFRS 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)





R=333 U=10 W=6'
RL=157/-157
R=2137 U=78 W=6"
R=1316 U=54 W=6'

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03 04-08-14 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 INCLUDING INSTALLERS

Trusses require extreme care in fabricat ng handling shipp ng installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherw se Refer to draw ngs 160A-Z for standard plate positions A seal on this drawing or cover page list ng this draw ng indicates acceptance of professional engineering responsibil ty 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 informat on see This job s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15808
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097013
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	364470
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - H15 40' Mono Hip)

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

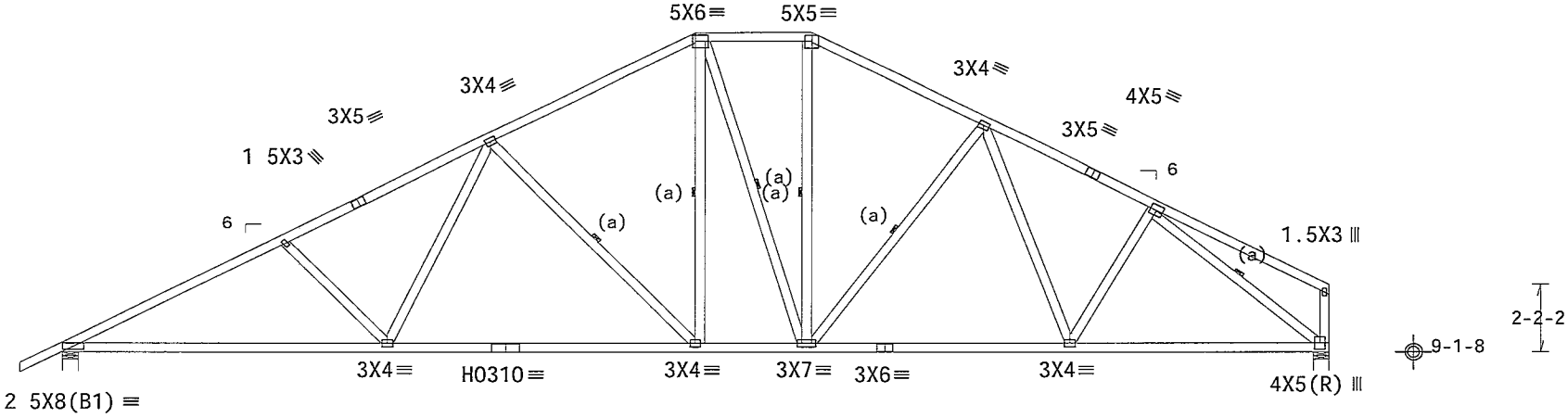
MWFRS loads based on trusses located at least 15 00 ft from roof edge

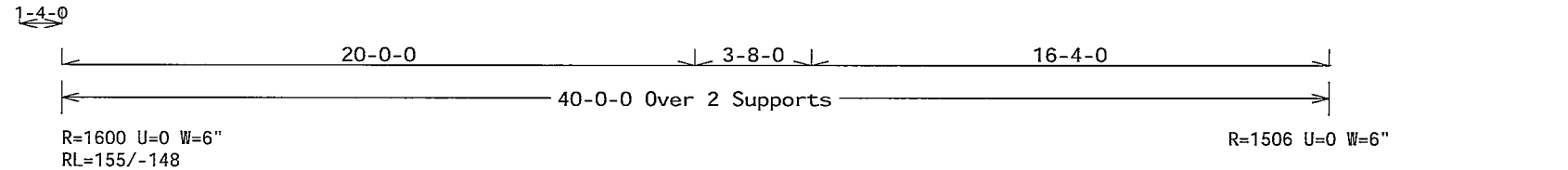
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS 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





Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04.0806.14 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses require extreme care n fabricating handling shipping nstalling and bracing Refer to and follow the latest ed t on of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of web shall have brac ng 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 bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng installat on brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate posit ons A seal on this draw ng or cover page l st ng this draw ng ind cates acceptance of professional eng neering responsibility solely for the design shown The suitab lity and use of this design for any structure s the responsibil ty of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more informat on see This job s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15809
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 14097008
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	364471
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_Z02

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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - H15A 41'2" Stepdown Hip)

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

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 9 27
TC- From 56 plf at 9 27 to 56 plf at 20 00
TC- From 56 plf at 20 00 to 56 plf at 23 67
TC- From 56 plf at 23 67 to 56 plf at 32 61
TC- From 56 plf at 32 61 to 56 plf at 41 17
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 14 00
BC- From 20 plf at 14 00 to 20 plf at 27 17
BC- From 20 plf at 27 17 to 20 plf at 41 17
BC- 200 00 lb Conc Load at 9 67

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

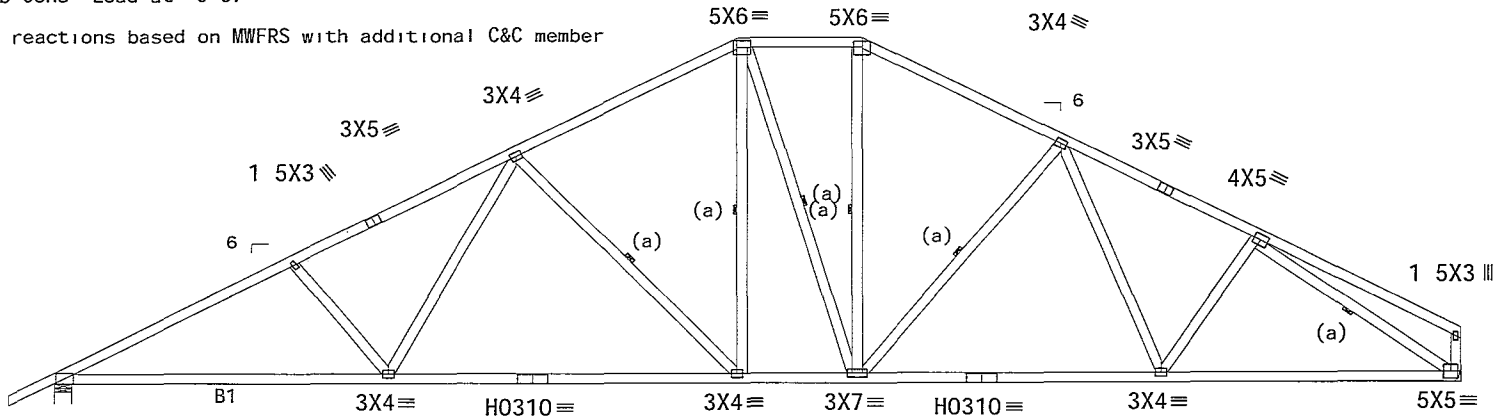
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

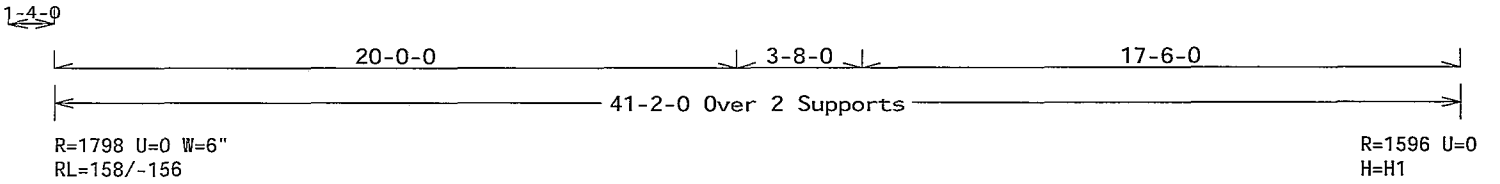
(a) Continuous lateral restraint equally spaced on member

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

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





Design Crit: FBC2010Res/TPI-2007(STD)

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

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

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

Trusses require extreme care n fabricating handling shipping nstall ng and bracing Refer to and follow the latest ed t on of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices pr or to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceil ng Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this desi any fa lure to build the truss in conformance with ANSI/TPI 1 or for handl ng sh pping installation bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate posit ons A seal on th s drawing or cover page list ng this drawing ndicates acceptance of profess onal engineer ng respons b l ty solely for the des gn shown The su tabil ty and use of th s des gn for any structure is the respons bility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15810
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10.0 PSF	DRW	HCUSR9114 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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - MH7 40' Mono Hip Girder)

Top chord 2x4 SP 2850f-2 3E T1 2x4 SP M-30
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

(I) - 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 MWFRS

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

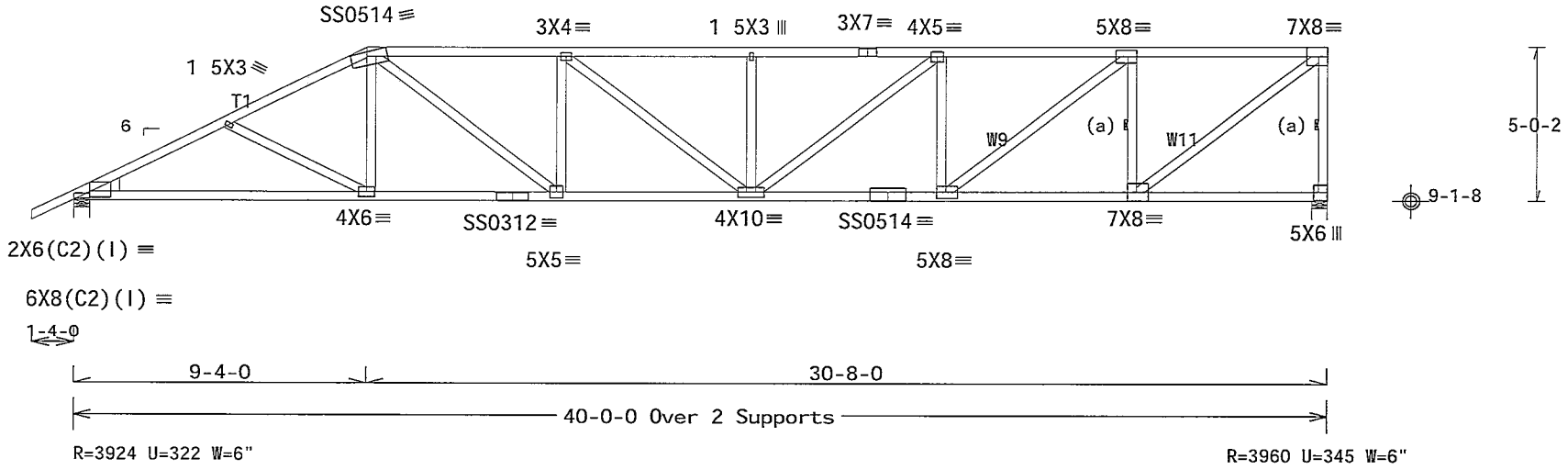
Calculated vertical deflection is 0 50" due to live load and 0 64" due to dead load at X = 21-7-9

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 9 33
TC- From 28 plf at 9 33 to 28 plf at 25 33
TC- From 28 plf at 25 33 to 28 plf at 40 00
BC- From 4 plf at -1 33 to 4 plf at 0 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 14 00
BC- From 10 plf at 14 00 to 10 plf at 26 00
BC- From 10 plf at 26 00 to 10 plf at 40 00
TC- 170 81 lb Conc Load at 9 40,11 40,13 40,15 40 17 40,19 40,21 40,23 40,25 40,27 40,29 40,31 40,33 40 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 40 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 increase factor for dead load is 1 50



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses require extreme care in fabricat ng handling shipping install ng and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be responsible for any deviation from th s design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling shipping installat on brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on this draw ng or cover page l st ng th s drawing nd cates acceptance of profess onal eng neering responsib l ty solely for the des gn shown The su tab l ity and use of this des gn for any structure is the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 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

(14-045B--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - MH9 40' Mono Hip)

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

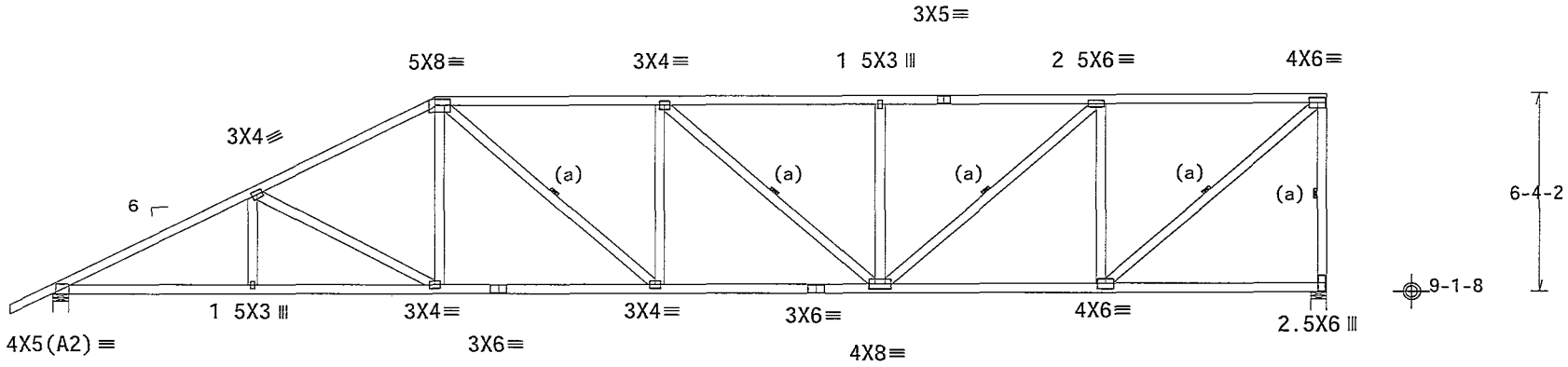
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

Wind loads and reactions based on MWFRS 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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 QTY.1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses require extreme care n fabricating handling sh pp ng nstalling and bracing Refer to and follow the latest ed t on of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ceiling Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handl ng shipping installat on bracing of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherwise Refer to drawings 160A-Z for standard plate posit ons A seal on th s draw ng or cover page list ng this drawing indicates acceptance of professional eng neer ng responsibility solely for the design shown The suitabil ty and use of th s design for any structure s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www ccsafe org

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

TC LL	20.0 PSF	REF	R9114- 15812
TC DL	7.0 PSF	DATE	04/07/14
BC DL	10 0 PSF	DRW	HCUSR9114 14097005
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD	37.0 PSF	SEQN-	364473
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V5C487_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 desred

Notes

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

Alternative reinforcement specified in chart below may be conservative For minimum alternative reinforcement, re-run design with approprate reinforcement type

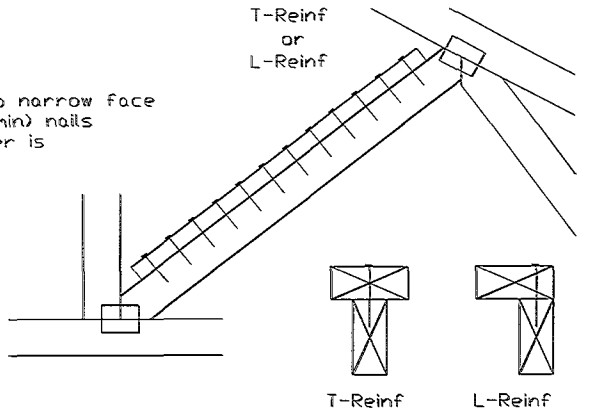
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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

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

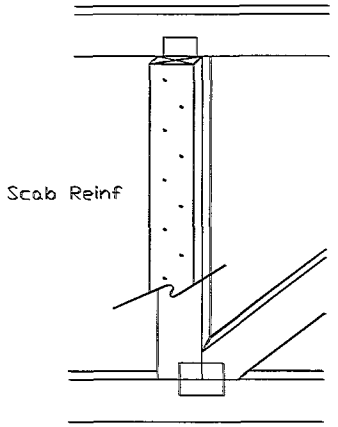
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

Apply scab(s) 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!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.
Refer to drawings 160A-Z for standard plate positions.
ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing 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 and these web sites:
ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

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

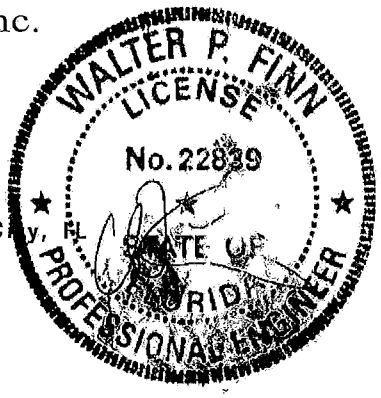
TC LL	PSF	REF CLR Subst
TC DL	PSF	DATE 8/15/13
BC DL	PSF	DRWG BRCLBSUB0813
BC LL	PSF	
TOT LD	PSF	
DUR FAC		
SPACING		

04/07/2014

82

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
 Document ID 1V74487-Z0411072137



Truss Fabricator	Anderson Truss Company
Job Identification	14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL
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
	Wind - 120 MPH ASCE 7-10 -Closed

06/11/2014

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-12015EC1-GBLLETIN-GABRSTI0-

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - A 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

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

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

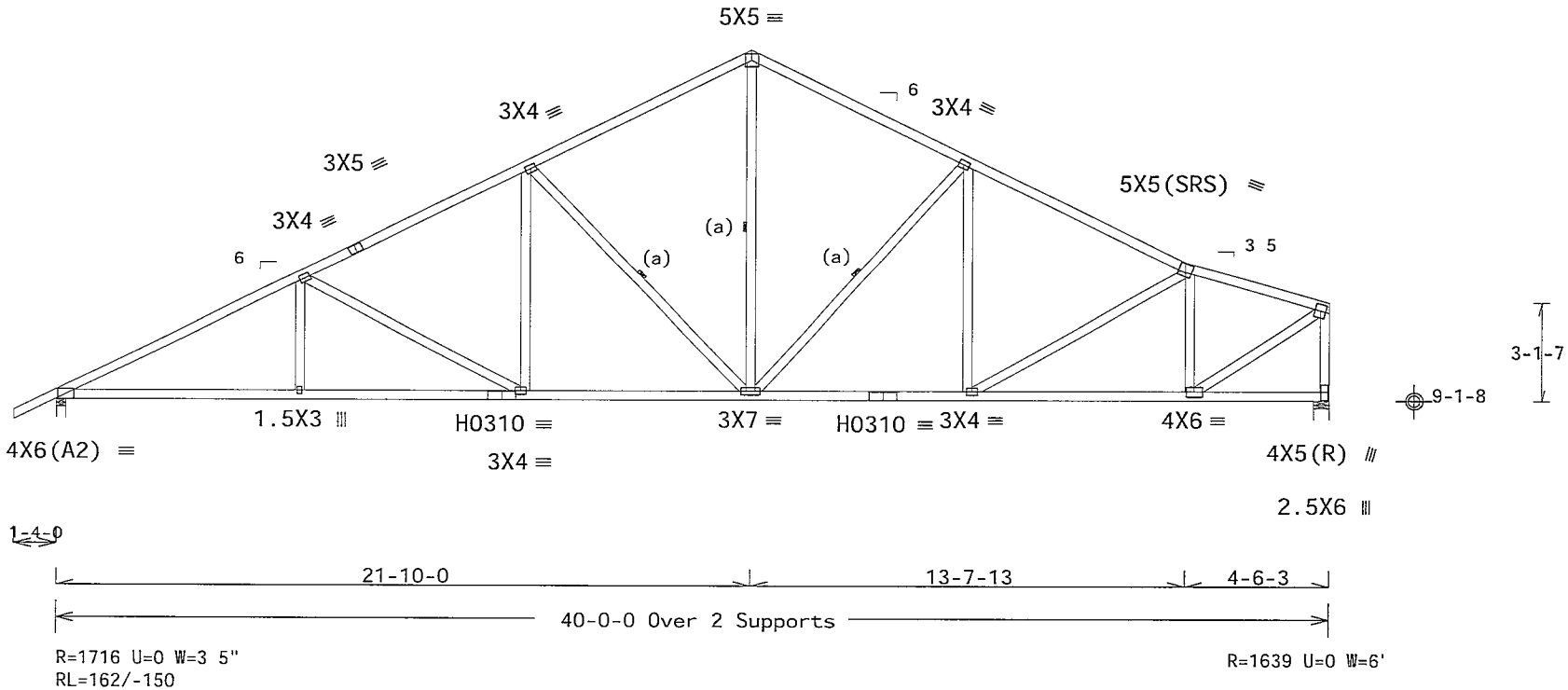
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 13 02.07 QTY 2 FL/-/5/-/-/R/- Scale =.1875"/Ft

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

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

Trusses requ re extreme care n fabr cat ng handl ng shipping install ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceiling Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (iTWBCG) shall not be responsible for any dev at on from th s des any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-2 for standard plate pos tions A seal on th s draw ng or cover page l sting th s draw ng nd cates acceptance of professional eng neering respons b l ty solely for the des gn shown The su tab l ty and use of this design for any structure s the respons bil ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20 0 PSF	REF	R9114- 55027
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162001
BC LL	0.0 PSF	HC-ENG	JB/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - A1 48 9 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

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

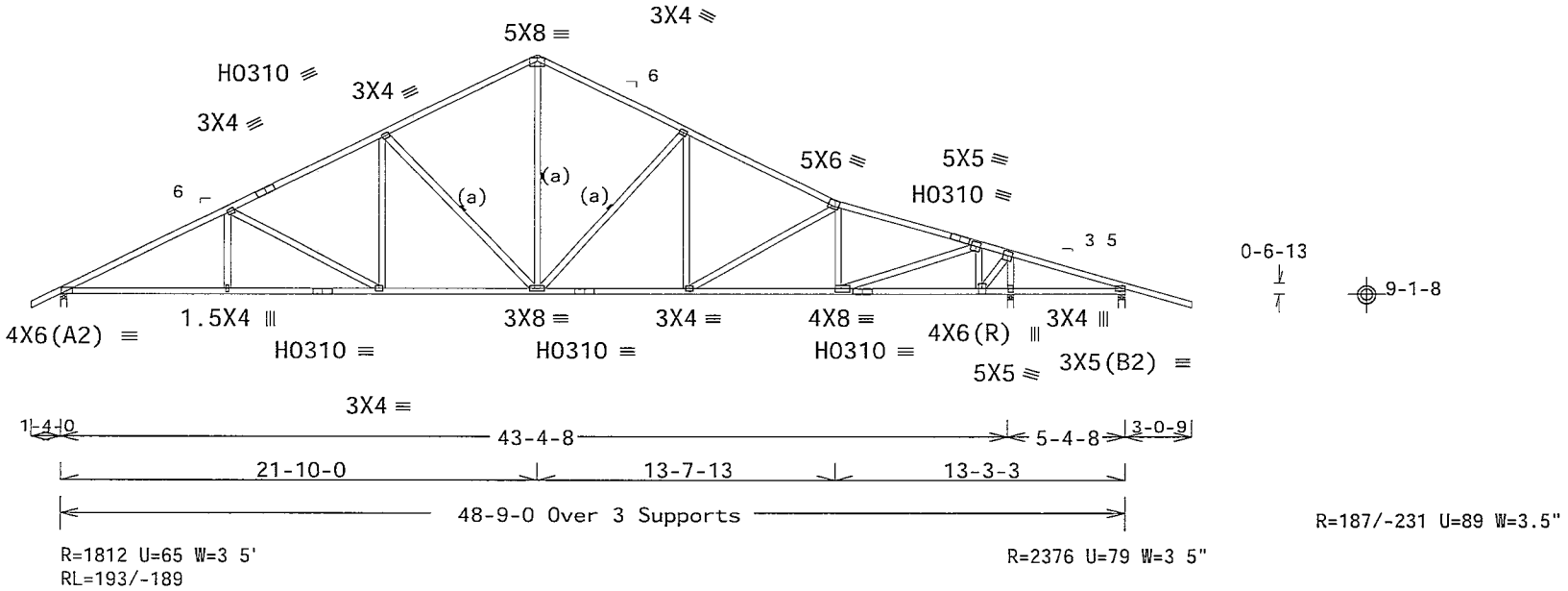
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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 7 50 ft from roof edge



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 13 02 07 [illegible] QTY 3 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 INCLUDING INSTALLERS

Trusses requ re extreme care n fabr cat ng handl ng shipp ng nstalling and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these funct ons Installers shall provide temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from th s design any fa lure to bu ld the truss n conformance with ANSI/TPI 1 or for handl ng sh pp ng nstallation & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of professional eng neer ng respons b l ty solely for the des gn shown The su tab lity and use of this des gn for any structure s the respons b l ity of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 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

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - A2 48 9 Mono Hip)

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

Top chord 2x4 SP #1
Bot chord 2x4 SP #1 B1 2x4 SP 2850f-2 3E
B3 2x4 SP M-30
Webs 2x4 SP #3 W2 2x4 SP #1
W4 W12 W15 2x4 SP #2
Lt 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 56 plf at -1 33 to 56 plf at 21 83
TC- From 56 plf at 21 83 to 56 plf at 35 48
TC- From 55 plf at 35 48 to 55 plf at 51 80
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 120 plf at 0 00 to 120 plf at 11 21
BC- From 20 plf at 11 21 to 20 plf at 16 79
BC- From 60 plf at 16 79 to 60 plf at 19 04
BC- From 20 plf at 19 04 to 20 plf at 23 96
BC- From 60 plf at 23 96 to 60 plf at 27 88
BC- From 20 plf at 27 88 to 20 plf at 29 79
BC- From 20 plf at 29 79 to 20 plf at 48 75
BC- From 4 plf at 48 75 to 4 plf at 51 80
BC- 200 00 lb Conc Load at 9 48

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

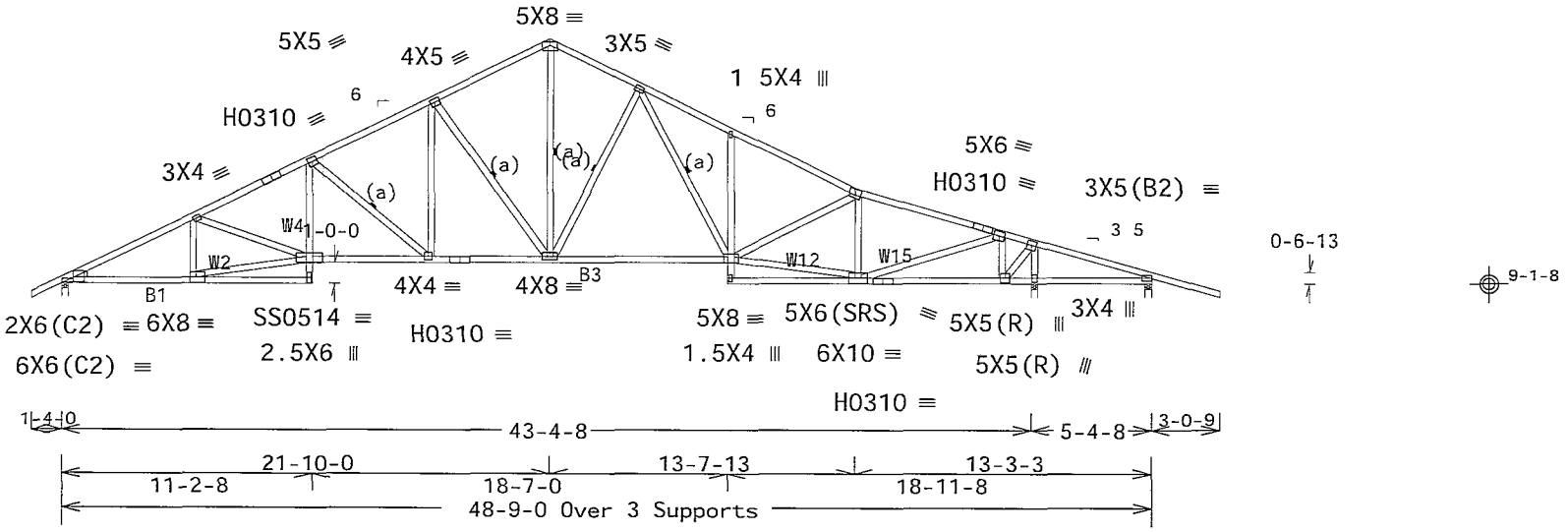
(a) Continuous lateral restraint equally spaced on member

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



R=2914 U=120 W=3 5'
RL=193/-189

R=2759 U=100 W=3 5"

R=91/-366 U=118 W=3 5"

PLT TYP 20 Gauge HS,18 Gauge HS, Design Crit FBC2010Res/TPI-2007(STD)
Wave FT/RT=20%(0%)/10(0) 13 02.07 [illegible] QTY 3 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 INCLUDING INSTALLERS

Trusses requ re extreme care n fabricat ng handling sh pp ng nstall ng and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng nstallat on brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on the Jo nt Deta ls un ess noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A seal on th s draw ng or cover page l st ng th s drawing nd cates acceptance of profess onal eng neering respons b l ty solely for the des gn shown The su tab lity and use of this design for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20.0 PSF	REF	R9114- 55029
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162024
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	333955
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - A3 41'4 8 Stepdown Hip)

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 plf at	-1 33 to	56 plf at	9 31
TC- From	56 plf at	9 31 to	56 plf at	21 83
TC- From	56 plf at	21 83 to	56 plf at	30 78
TC- From	56 plf at	30 78 to	56 plf at	41 38
BC- From	4 plf at	-1 33 to	4 plf at	0 00
BC- From	20 plf at	0 00 to	20 plf at	11 21
BC- From	20 plf at	11 21 to	20 plf at	16 79
BC- From	60 plf at	16 79 to	60 plf at	17 79
BC- From	60 plf at	17 79 to	60 plf at	19 04
BC- From	20 plf at	19 04 to	20 plf at	23 96
BC- From	60 plf at	23 96 to	60 plf at	27 88
BC- From	20 plf at	27 88 to	20 plf at	29 79
BC- From	20 plf at	29 79 to	20 plf 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 GCpi(+/-)=0 18

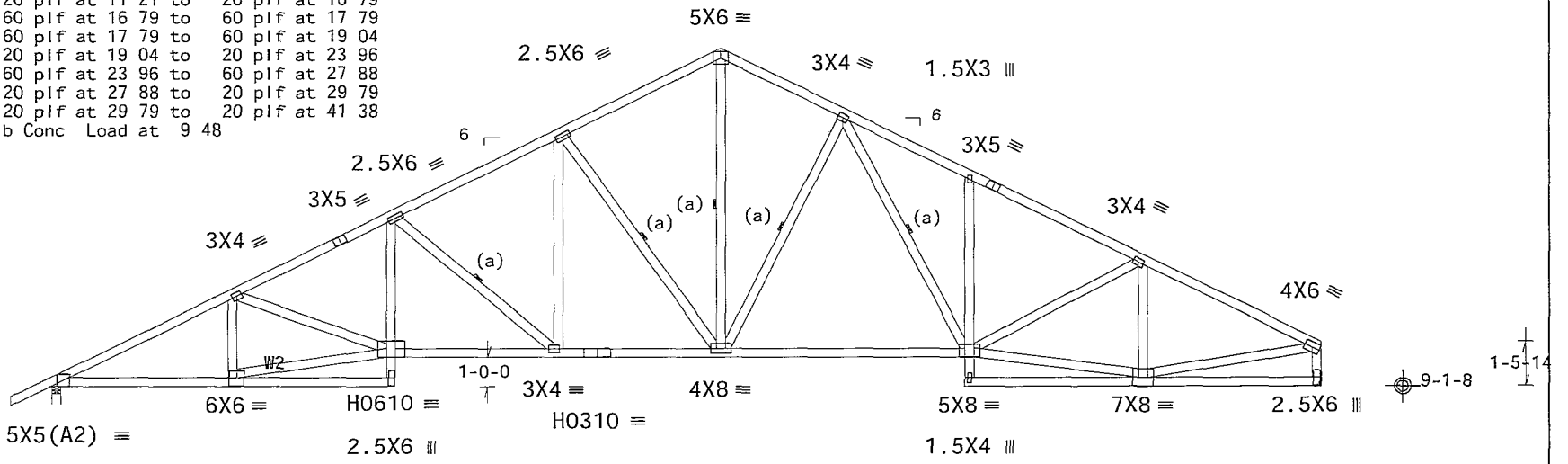
Wind loads and reactions based on MWFRS.

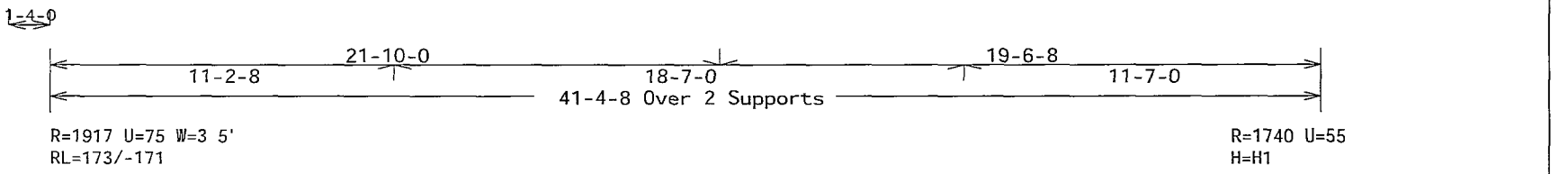
(a) Continuous lateral restraint equally spaced on member

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

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

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





Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 13.02.07 4 QTY 3 FL/-/5/-/-/R/- Scale =.1875"/Ft

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

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

Trusses requ re extreme care n fabr cat ng handl ng shipping install ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling Locat ons shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from th s design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng sh pping nstallation brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l st ng th s draw ng ndicates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The su tab l ity and use of th s des gn for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com IGC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20.0 PSF	REF	R9114- 55030
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162025
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD.	37.0 PSF	SEQN-	380140
DUR.FAC	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

(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

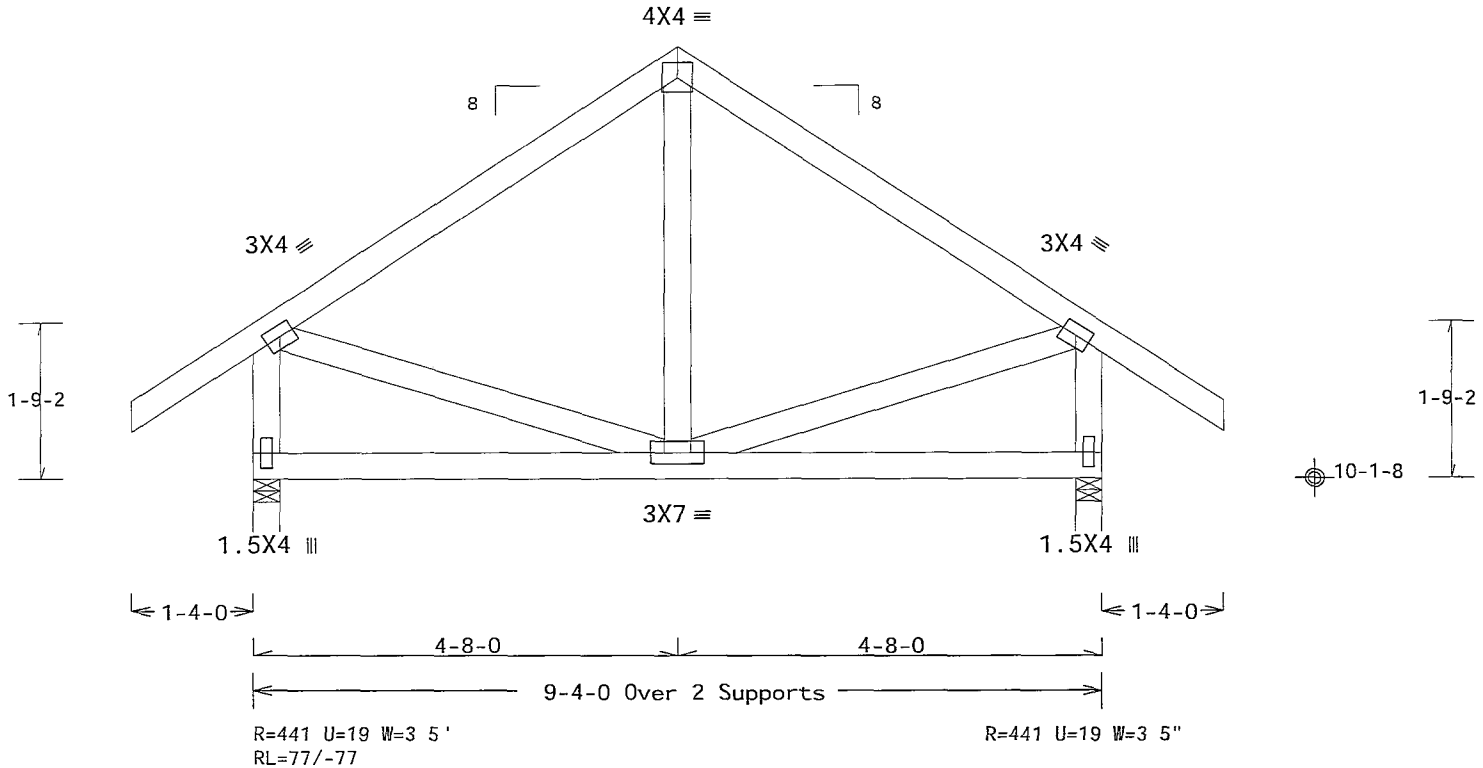
Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

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 GCpi(+/-)=0 18

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 13 02.07 A QTY 3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care n fabr cating handl ng sh pp ng nstall ng and brac ng Refer to and follow the latest ed t on of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceil ng Locations shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallation brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The su tab l ty and use of th s design for any structure s the responsibil ty of the Bu ld ng Designer per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20.0 PSF	REF	R9114- 55031
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - BDG 9 4 Gable)

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

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

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

Truss spaced at 24 0 OC 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 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

(**) 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 GCpi(+/-)=0 18

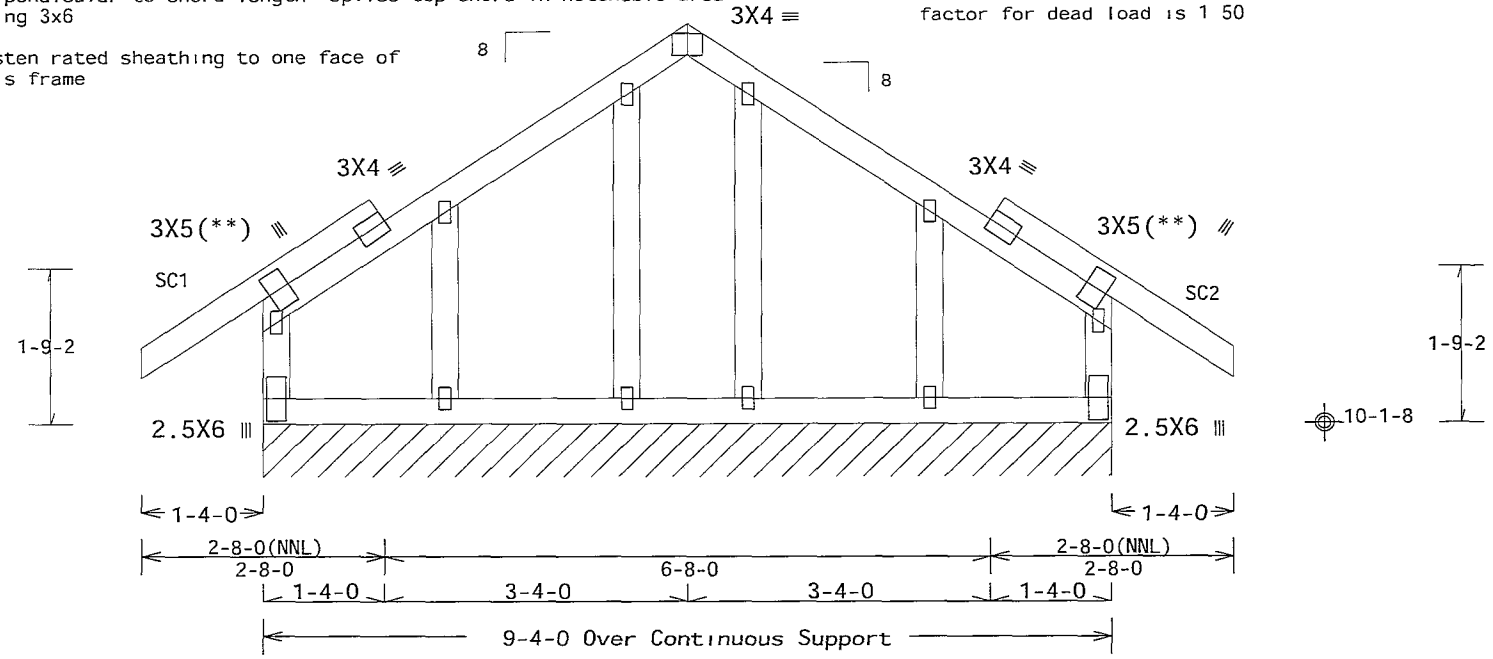
Wind loads and reactions based on MWFRS with additional C&C member design

See DWGS A12015ENC100212 GBLLETIN0212, & 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 increase factor for dead load is 1 50



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

Note All Plates Are 1 5X3 Except As Shown

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 0228 14 QTY 1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
*IMPORTANT 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 WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of 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 conformance with ANSI/TPI 1 or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see this job's general notes page. ITW-BCG www.twbcg.com TPI www.tpinst.org WTCA www.sbcindustry.com ICC www.ccsafe.org

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

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	HCUSR9114 14162026
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	380123
DUR FAC.	1 25		
SPACING	24.0"	JREF-	1V74487_Z04

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - C 20 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

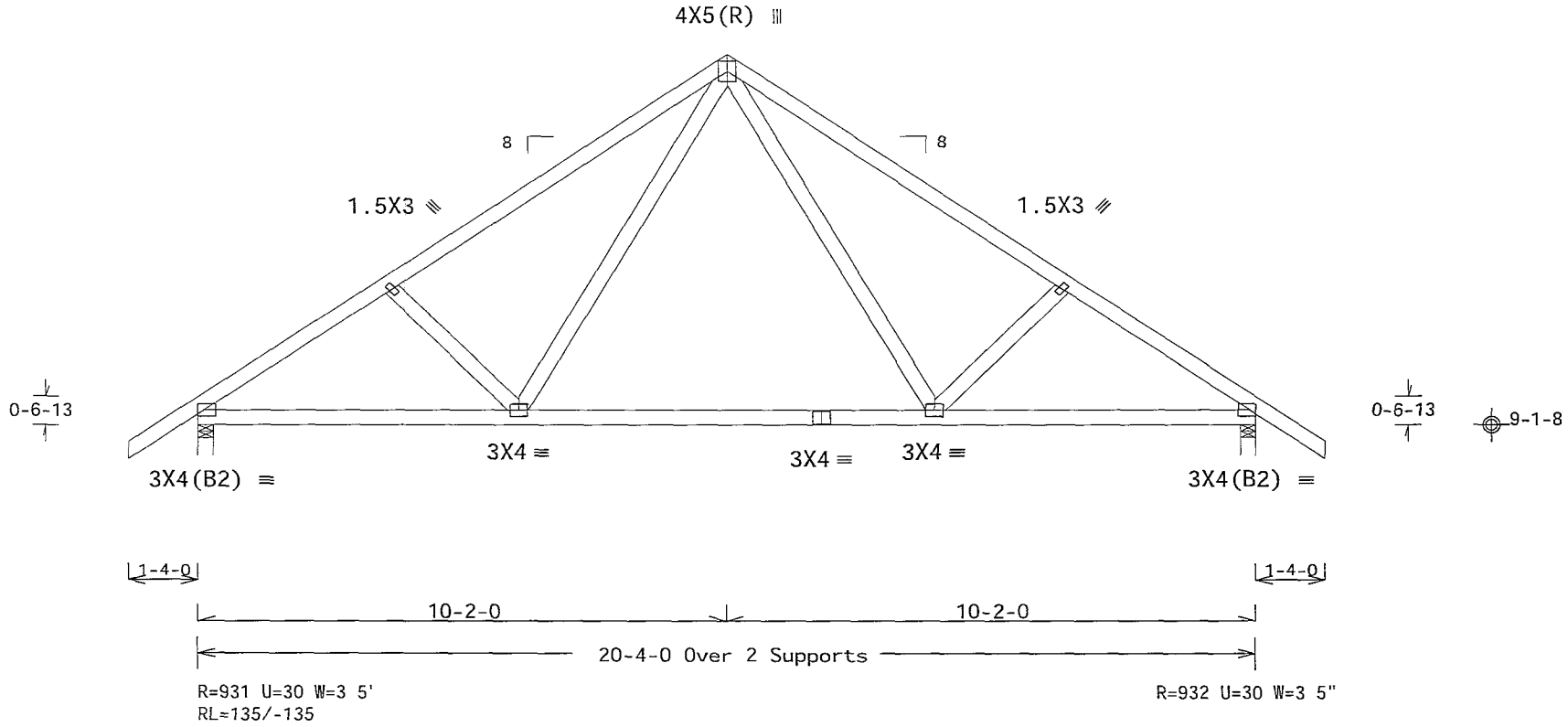
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 0228 14 QTY 4 FL/-/5/-/-/R/- Scale =.3125"/Ft

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pping install ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling Locat ons shown for permanent lateral restraint of web shall have bracing nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A seal on th draw ng or cover page l sting th s draw ng nd cates acceptance of profess onal eng neer ng responsibility solely for the design shown The su tab l ty and use of th s des gn for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s Job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com IGC www ecsafe org

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

06/11/2014

TC LL	20.0 PSF	REF	R9114- 55033
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162004
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	380075
DUR FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - C1 20 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

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

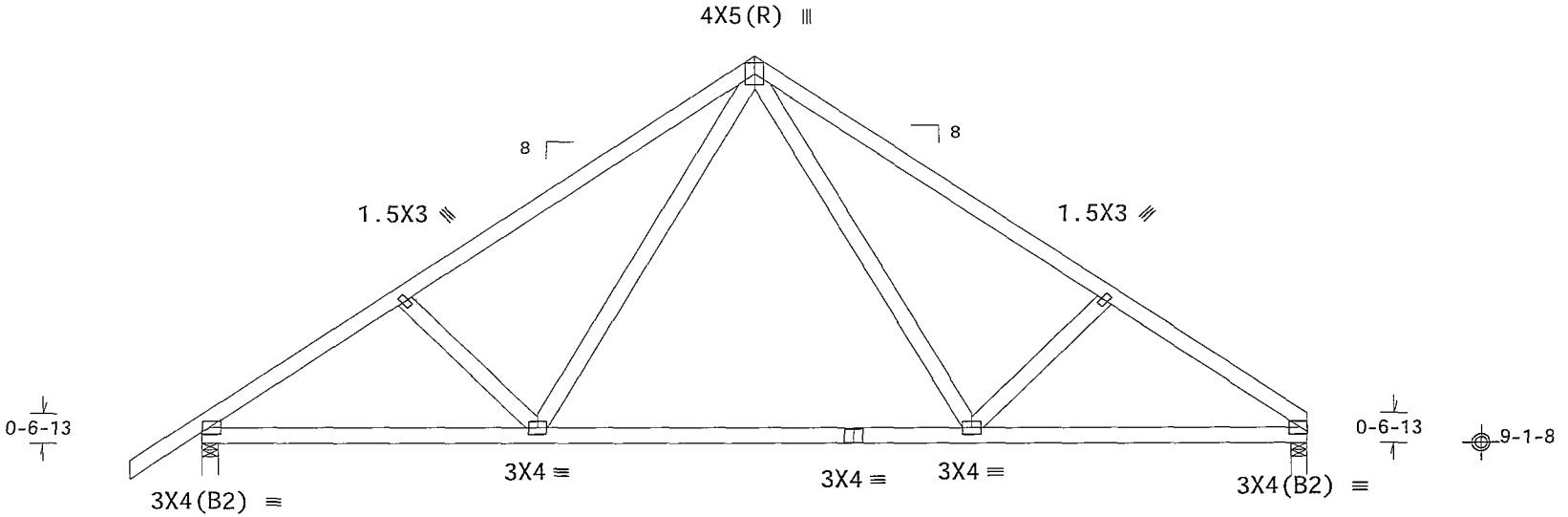
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

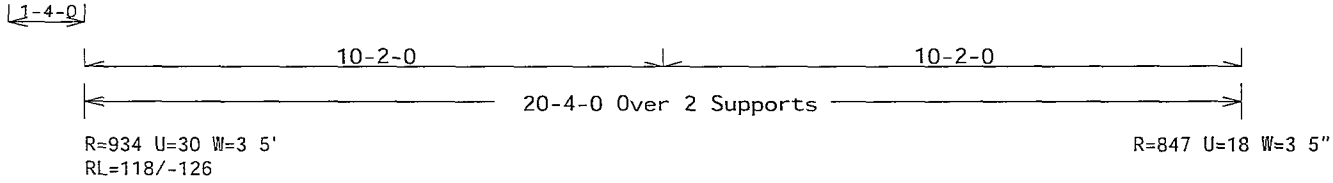
120 mph wind 15 00 ft mean hgt ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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





Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave 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 #0 278

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nstall ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of web shall have bracing nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th draw ng or cover page l st ng th s draw ng nd cates acceptance of professional eng neer ng respons b l ty solely for the des gn shown The su tab l ty and use of th s des gn for any structure s the responsib l ty of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see Th s job s general notes page ITW BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

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

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	HCUSR9114 14162005
BC LL	0 0 PSF	HC-ENG	JB/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CDG 20 4 Common)

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

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

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

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 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

Gable end supports 8 max rake overhang

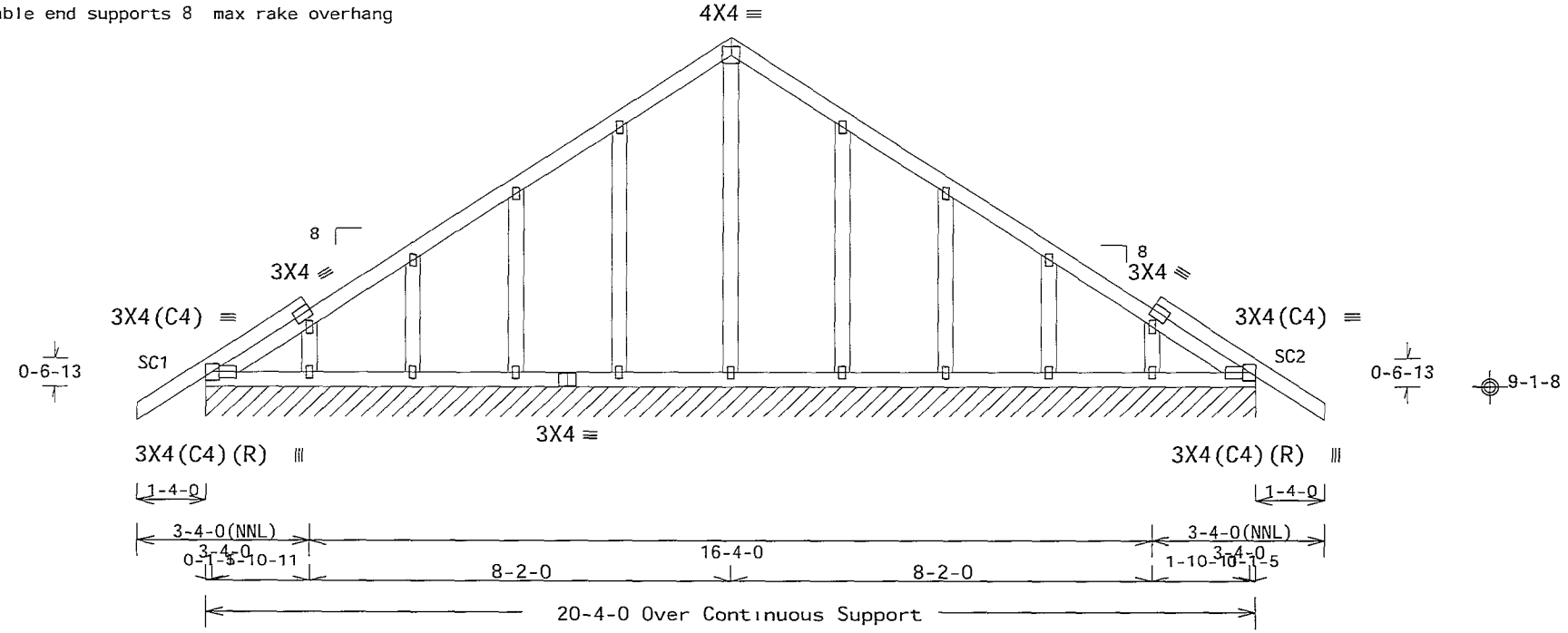
120 mph wind 15 00 ft mean hgt ASCE 7-10 CLOSED bldg, Located anywhere in roof RISK CAT II EXP B wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

See DWGS A12015ENC100212 GBLLETIN0212, & 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



R=85 PLF U=3 PLF W=20-4-0
RL=7/-7 PLF

Note All Plates Are 1 5X3 Except As Shown

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 0228 14 QTY 1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng shipping install ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ng Locations shown for permanent lateral restraint of web shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping installation & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th draw ng or cover page l st ng th s drawing ndicates acceptance of profess onal eng neer ng responsibil ty solely for the design shown The suitab l ty and use of th s des gn for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com IGC www ccsafe org

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

06/11/2014

TC LL	20.0 PSF	REF	R9114- 55035
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162006
BC LL	0.0 PSF	HC-ENG	JB/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CJ 1 9 8 Jack)

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

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

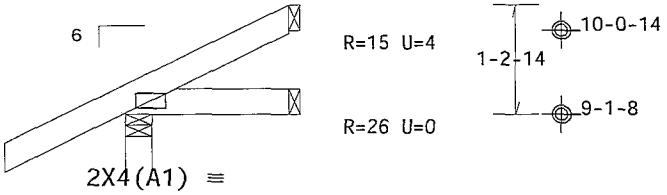
Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

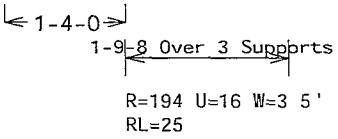
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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





Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 [illegible]8p QTY 3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handling sh pp ng nstall ng and bracing Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to perform ng these functions Installers shall provide temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sect ons B3 B7 or B10 as applicable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this desig any fa lure to bu ld the truss n conformance with ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of professional eng neer ng respons b lity solely for the des gn shown The su tab lity and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14162007
BC LL	0.0 PSF	HC-ENG	JB/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CJ1 1 6'14 Jack)

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

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

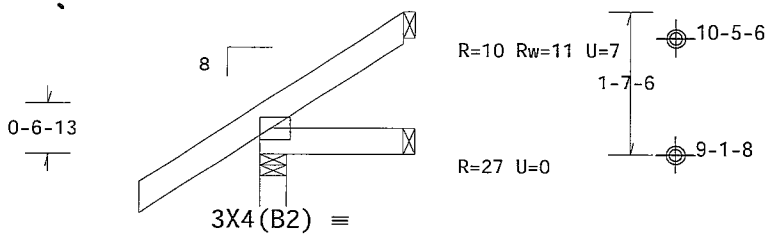
Lumber value set 13B' uses design values approved 1/30/2013 by ALSC

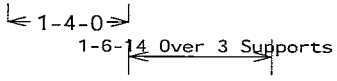
Bottom chord checked for 10 00 psf non-concurrent live load

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





R=184 U=11 W=3 5"
RL=32/-23

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 [illegible] QTY 3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care n fabr cating handl ng sh pp ng nstalling and brac ng Refer to and follow the latest ed t on of BCSI (Bu lding Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as applicable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from th s design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pping installation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherwise Refer to drawings 160A-Z for standard plate pos t ons A seal on this draw ng or cover page listing this draw ng nd cates acceptance of profess onal engineer ng responsibil ty solely for the design shown The suitabil ty and use of th s des gn for any structure is the responsibil ty of the Bu ld ng Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20.0 PSF	REF	R9114- 55037
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CJ2 4 5 8 Jack)

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

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

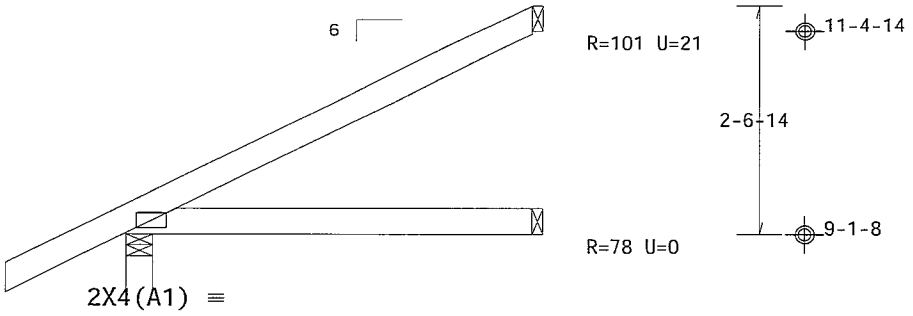
Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

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

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

4-5-8 Over 3 Supports

R=270 U=9 W=3 5"
RL=47/-20

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 [illegible] QTY 3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses requ re extreme care n fabricat ng handling sh pp ng nstall ng and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s des g any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Data Is unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on this draw ng or cover page l sting th s drawing nd cates acceptance of profess onal engineering respons bility solely for the des gn shown The su tabil ty and use of this des gn for any structure is the respons bility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

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

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	HCUSR9114 14162009
BC LL	0.0 PSF	HC-ENG	JB/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CJ3 3 0 14 Jack)

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

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

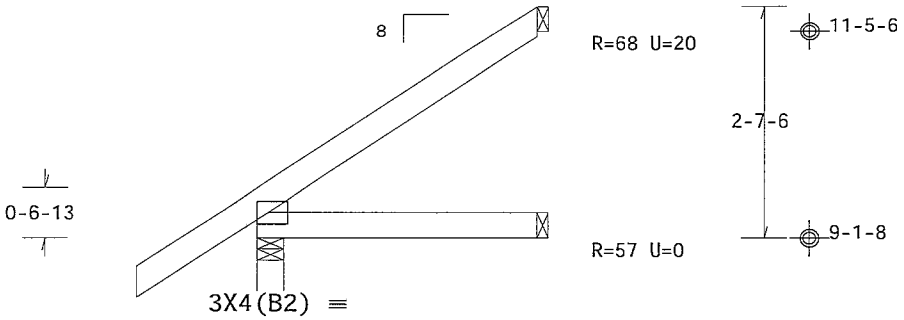
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 8 P QTY.3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses requ re extreme care n fabricat ng handling sh pp ng nstall ng and bracing Refer to and follow the latest edit on of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ceiling Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s des g any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on this draw ng or cover page ll st ng this draw ng nd cates acceptance of profess onal eng neer ng responsib lity solely for the design shown The su tab l ty and use of th s des gn for any structure s the respons bility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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/WPF
TOT LD.	37 0 PSF	SEQN-	380081
DUR.FAC.	1 25		
SPACING	24.0"	JREF-	1V74487_Z04

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CJ4 4 6 14 Jack)

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

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

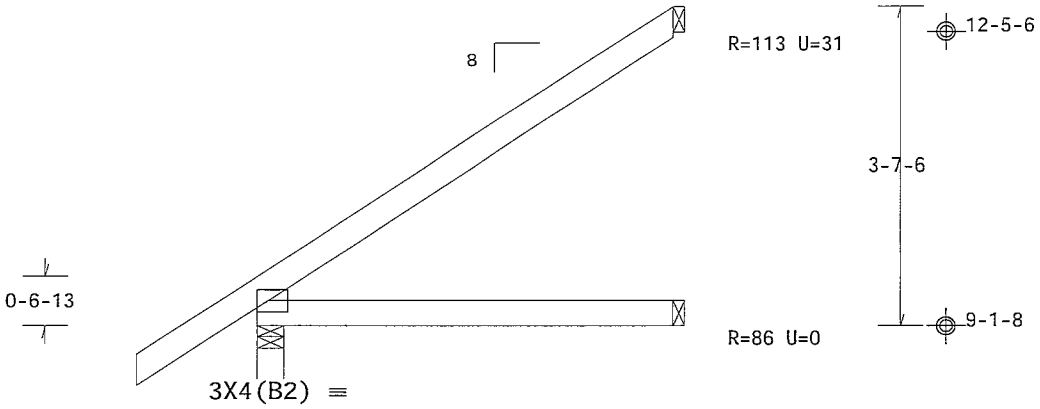
Lumber value set '13B' uses design values approved 1/30/2013 by ALSC

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 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

4-6-14 Over 3 Supports

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

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 [illegible] QTY 3 FL/-/5/-/-/R/- Scale = 5"/Ft.

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

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

Trusses requ re extreme care n fabr cating handl ng sh pp ng nstalling and brac ng Refer to and follow the latest ed t on of BCSI (Bu lding Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s des any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on this draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons bility solely for the des gn shown The su tab l ty and use of th s des gn for any structure is the responsibil ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 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

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CJ5 7 1 8 Jack)

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

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

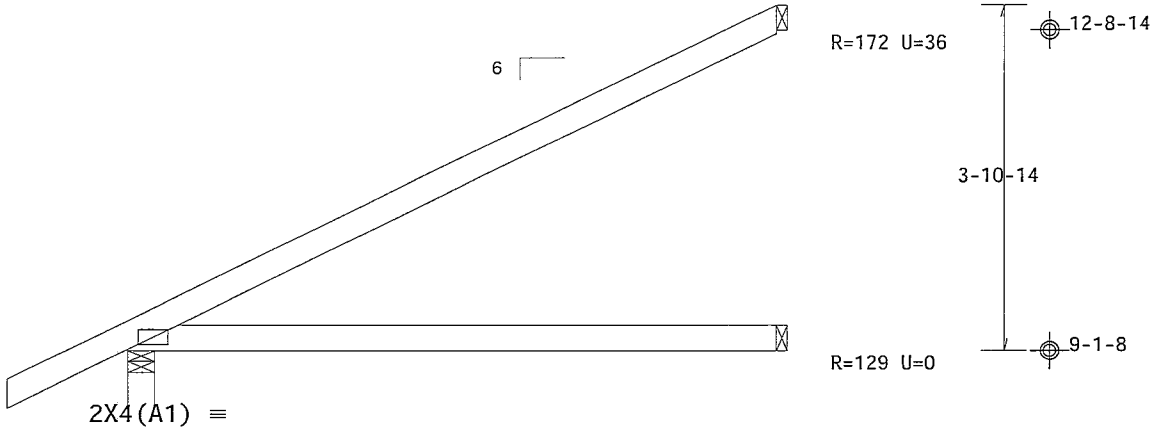
Lumber value set '13B uses design values approved 1/30/2013 by ALSC

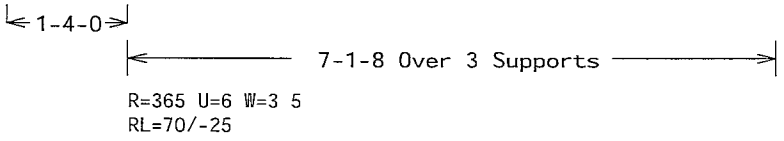
Bottom chord checked for 10 00 psf non-concurrent live load

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 GCpi(+/-)=0 18

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

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





Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 [illegible] QTY 3 FL/-/5/-/-/R/- Scale =.5"/Ft

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nstall ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shal not be responsible for any dev at on from th s des any failure to bu ld the truss n conformance with ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The su tab l ty and use of th s des gn for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - CJ6 6 0 14 Jack)

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

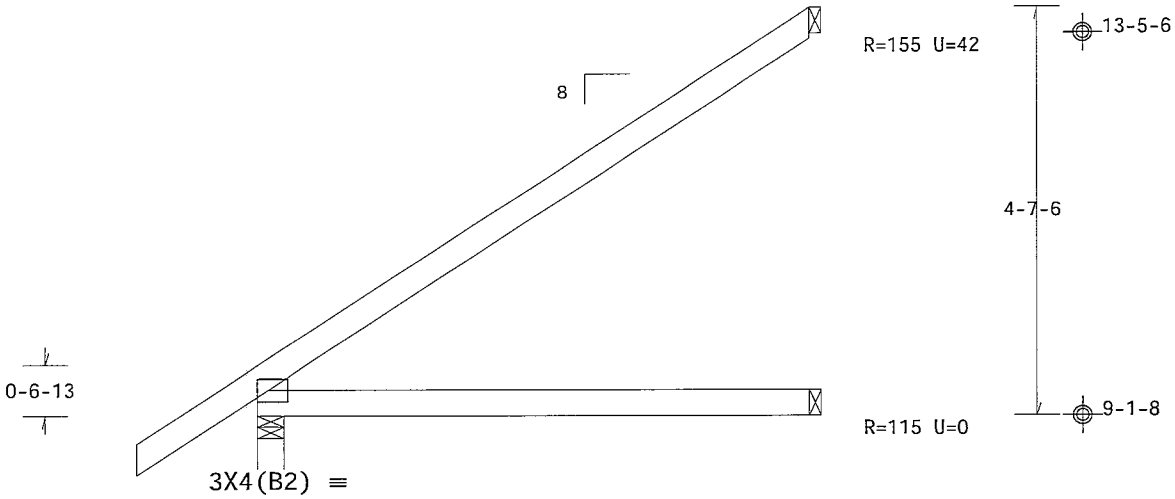
Bottom chord checked for 10 00 psf non-concurrent live load

MWFRS 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 4 50 ft from roof edge RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS 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

6-0-14 Over 3 Supports

R=327 U=0 W=3 5"
RL=81/-38

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave 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 #0 278

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

Trusses requ re extreme care n fabr cat ng handling sh pp ng nstall ng and brac ng Refer to and follow the latest ed tion of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r gid ce l ng Locations shown for permanent lateral restra nt of webs shall have bracing nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s des any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of professional eng neer ng respons b l ty solely for the des gn shown The su tab l ty and use of this des gn for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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

06/11/2014

TC LL	20 0 PSF	REF	R9114- 55042
TC DL	7 0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162013
BC LL	0.0 PSF	HC-ENG	JB/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - EJ7 7 End Jack)

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

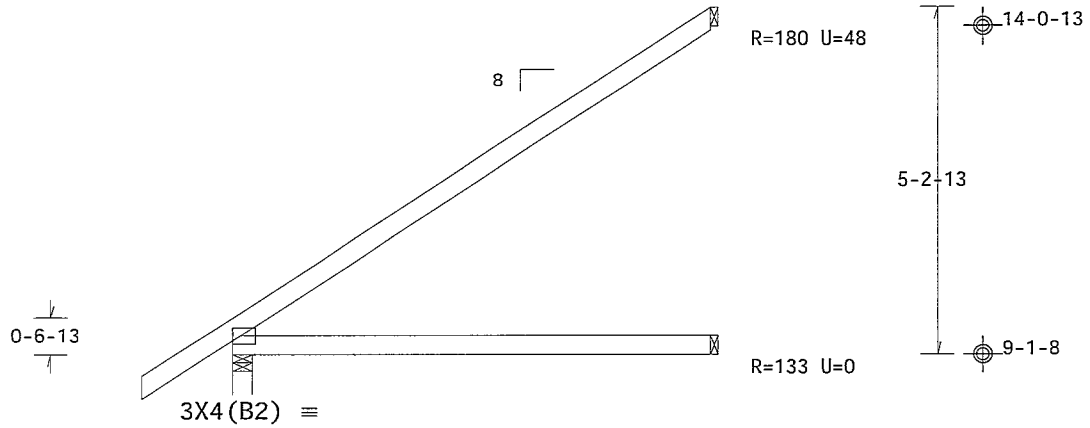
Bottom chord checked for 10 00 psf non-concurrent live load

MWFRS 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 GCpi(+/-)=0 18

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave 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 #0 278

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nstall ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng nsta led per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s des any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos tions A seal on this draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons b lity solely for the des gn shown The su tabil ty and use of th s des gn for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14162014
BC LL	0.0 PSF	HC-ENG	JB/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - EJ7A 7 End Jack)

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

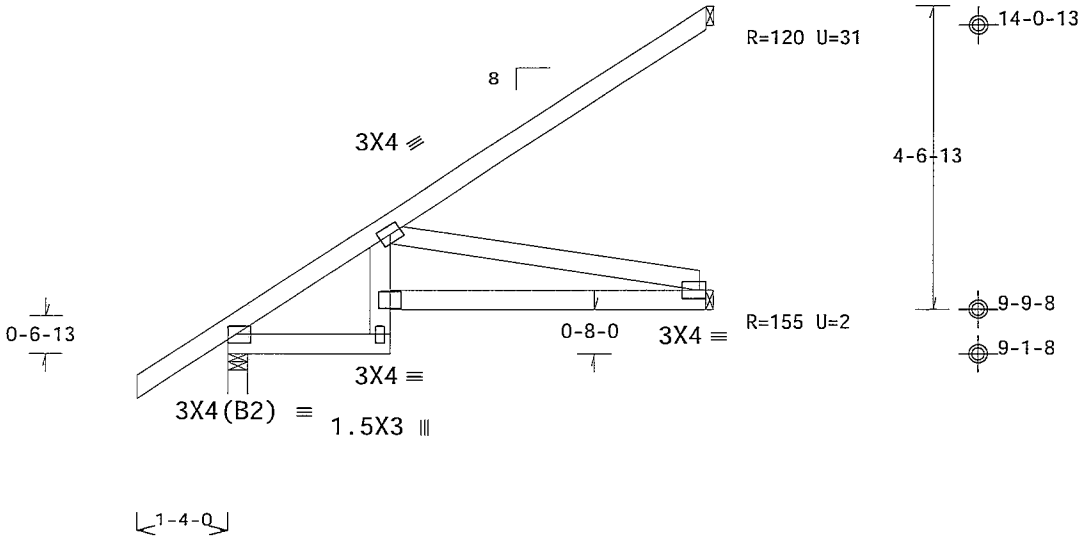
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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 GCpi(+/-)=0 18

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

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

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



R=362 U=0 W=3 5'
RL=91/-41

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 QTY 8 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng install ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety proct ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rig d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s des any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallat on brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-2 for standard plate posit ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The su tab l ity and use of th s design for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW-RCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - EJ7B 7 End Jack)

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

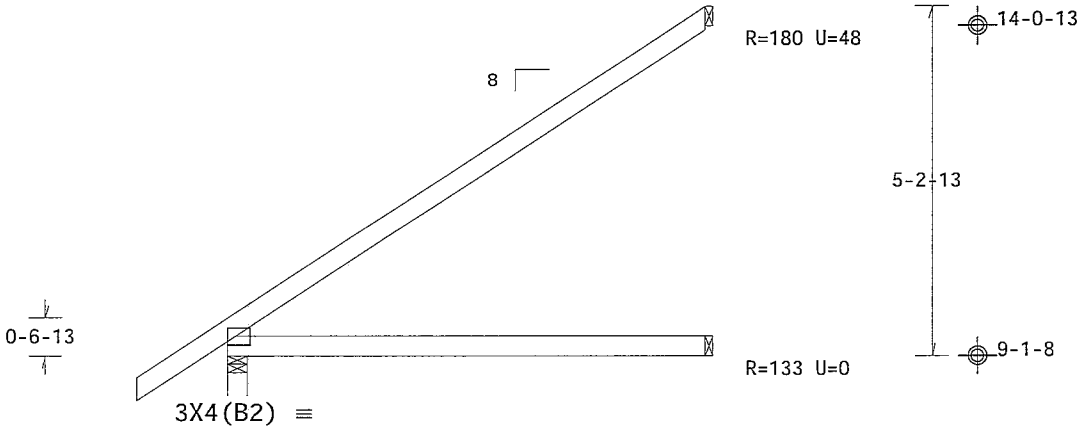
Bottom chord checked for 10 00 psf non-concurrent live load

MWFRS 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 GCpi(+/-)=0 18

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 QTY 1 FL/-/5/-/-/R/- Scale =.375"/Ft

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

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

Trusses requ re extreme care n fabr cat ng handling sh pp ng install ng and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to performing these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r gid ceiling Locations shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from th s design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallation brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l sting th s draw ng nd cates acceptance of professional eng neer ng respons b l ty solely for the des gn shown The su tab l ity and use of this design for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14162016
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	380087
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

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

Value Set 13B (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 13B uses design values approved 1/30/2013 by ALSC

Brg blocks 0 128 x3 min nails
brg x-loc #blocks length/blk #nails/blk wall plate
2 9 333 1 14 9 Rigid Surface
Brg block to be same size and species as chord
Refer to drawing CNNAILSP0109 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 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

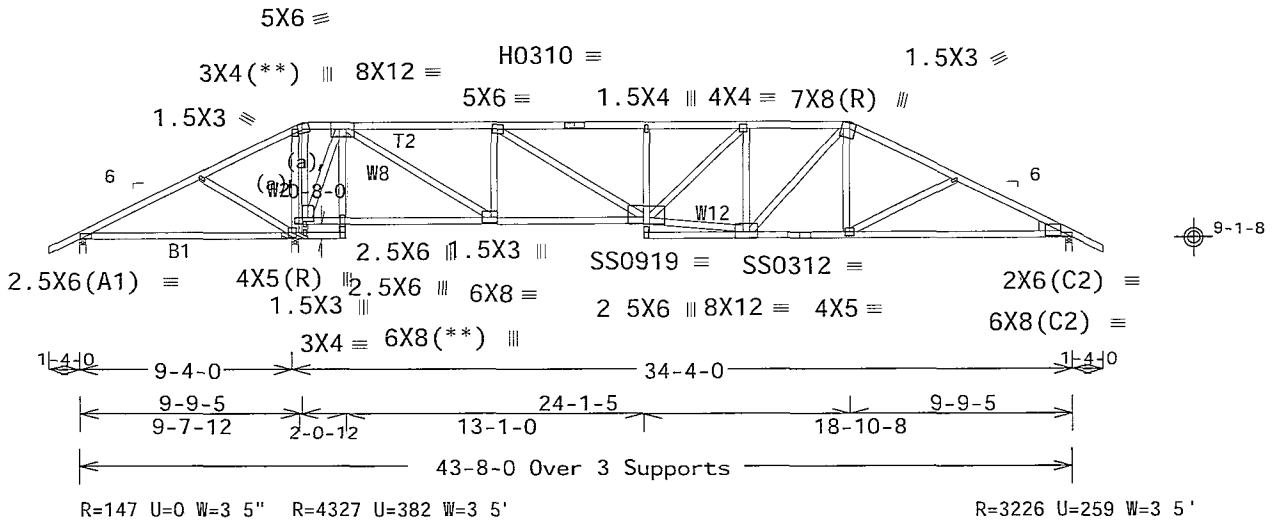
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 9 78
TC- From 28 plf at 9 78 to 28 plf at 21 78
TC- From 28 plf at 21 78 to 28 plf at 33 89
TC- From 56 plf at 33 89 to 56 plf at 45 00
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 11 71
BC- From 10 plf at 11 71 to 10 plf at 24 79
BC- From 10 plf at 24 79 to 10 plf at 31 67
BC- From 10 plf at 31 67 to 10 plf at 33 86
BC- From 20 plf at 33 86 to 20 plf at 43 67
BC- From 4 plf at 43 67 to 4 plf at 45 00
TC- 179 82 lb Conc Load at 9 84 27 83 29 83,31 83 33 83
TC- 120 06 lb Conc Load at 11 84 13 84 15 84 17 84 19 84 21 83 23 83 25 83
BC- 132 89 lb Conc Load at 9 84 27 83,29 83 31 83
BC- 155 03 lb Conc Load at 11 84 13 84 15 84 17 84 19 84 21 83 23 83 25 83
BC- 1282 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, Wave Design Crit FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0) 13 02 07 0228 14 QTY 1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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

06/11/2014

TC LL	20 0 PSF	REF	R9114- 55046
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 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

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - H9 43 8 Stepdown 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

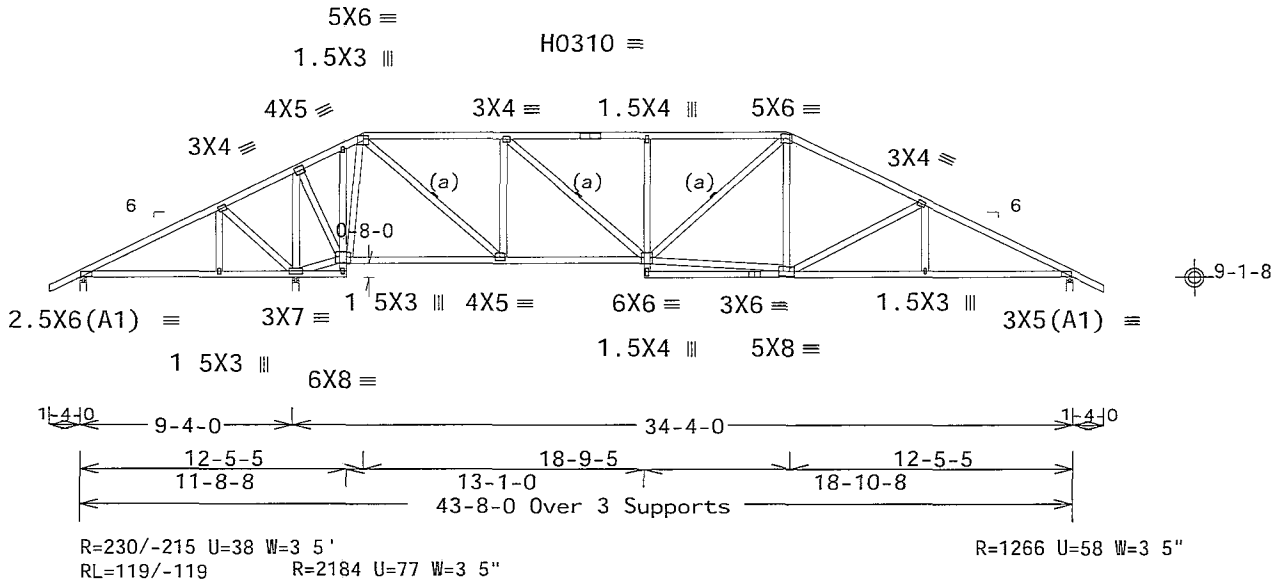
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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 GCpi(+/-)=0 18

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 13 02 07 0228 14 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 INCLUDING INSTALLERS

Trusses require extreme care n fabr cat ng handl ng sh pp ng nstalling and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of web shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping nstallation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A seal on th draw ng or cover page l st ng th s draw ng nd cates acceptance of professional eng neering respons b l ty solely for the des gn shown The su tab l ty and use of this design for any structure s the responsibility of the Bu ld ng Designer per ANSI/TPI 1 Sec 2 For more nformation see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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

06/11/2014

TC LL	20.0 PSF	REF	R9114- 55047
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - H11 43 8 Stepdown 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

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

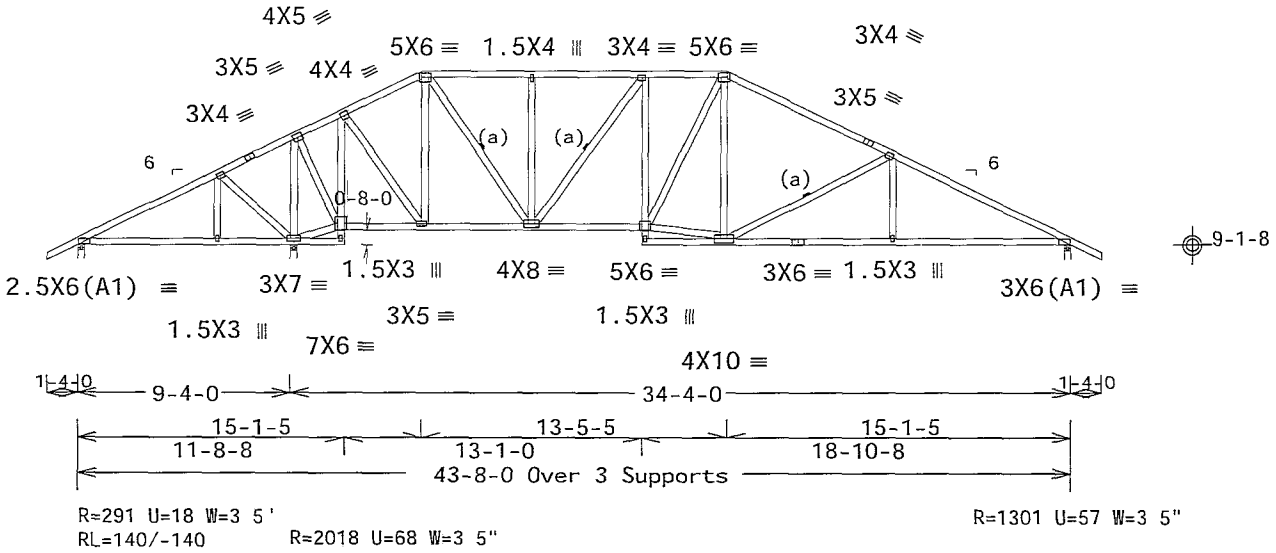
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

(a) Continuous lateral restraint equally spaced on member

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 13 02.07 0228.14 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 INCLUDING INSTALLERS

Trusses requ re extreme care n fabricating handl ng sh pp ng nstall ng and bracing Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d c e l ng Locat ons shown for permanent lateral restraint of web shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A seal on th draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The su tab l ty and use of th s des gn for any structure is the respons bil ty of the Build ng Des gner per ANSI/TPI 1 Sec 2 For more nformation see Th s job s general notes page ITW BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

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

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	HCUSR9114 14162018
BC LL	0.0 PSF	HC-ENG	JB/WPF
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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - H13 43'8' Stepdown 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

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

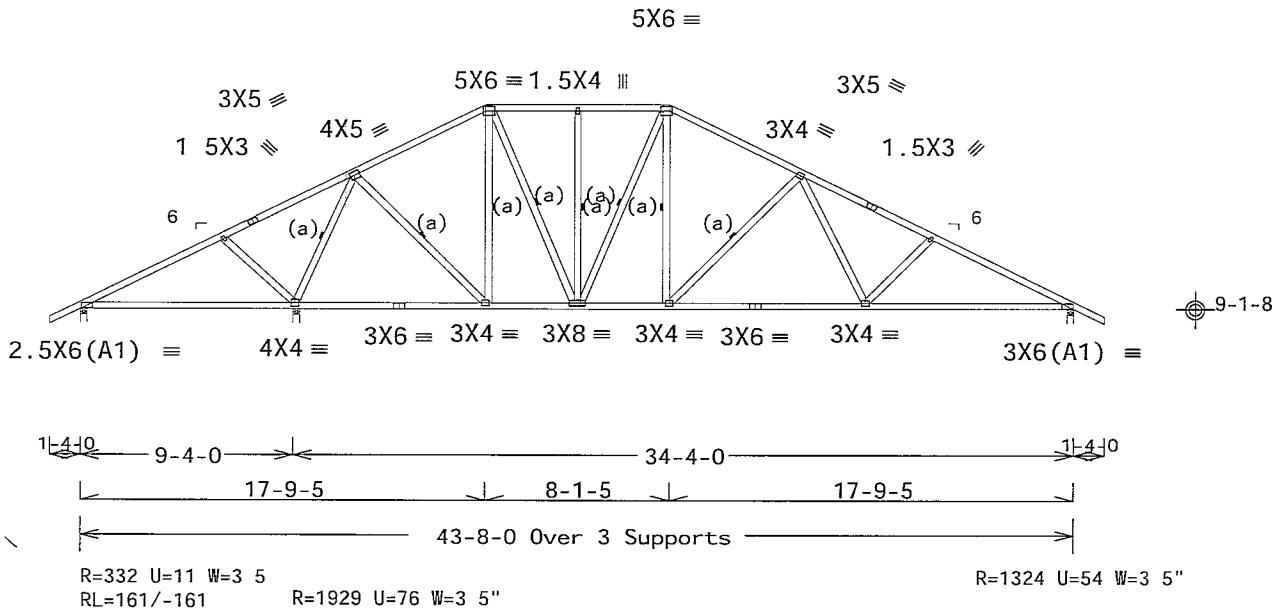
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 0220 14 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 INCLUDING INSTALLERS

Trusses requ re extreme care n fabr cating handl ng sh pp ng nstall ng and bracing Refer to and follow the latest ed t on of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ceiling Locations shown for permanent lateral restra nt of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s design any failure to bu ld the truss n conformance with ANSI/TPI 1 or for handl ng sh pp ng nstallat on brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th draw ng or cover page l st ng th s draw ng nd cates acceptance of professional eng neer ng respons b l ty solely for the des gn shown The su tab l ty and use of th s des gn for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-RCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 14162019
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37 0 PSF	SEQN-	380089
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - H15 41 4 8 Stepdown Hip)

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 plf at -1 33 to 56 plf at 20 44
TC- From 56 plf at 20 44 to 56 plf at 23 22
TC- From 56 plf at 23 22 to 56 plf at 41 38
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 11 21
BC- From 20 plf at 11 21 to 20 plf at 29 79
BC- From 20 plf at 29 79 to 20 plf at 41 38
BC- 200 00 lb Conc Load at 9 48

Wind loads and reactions based on MWFRS

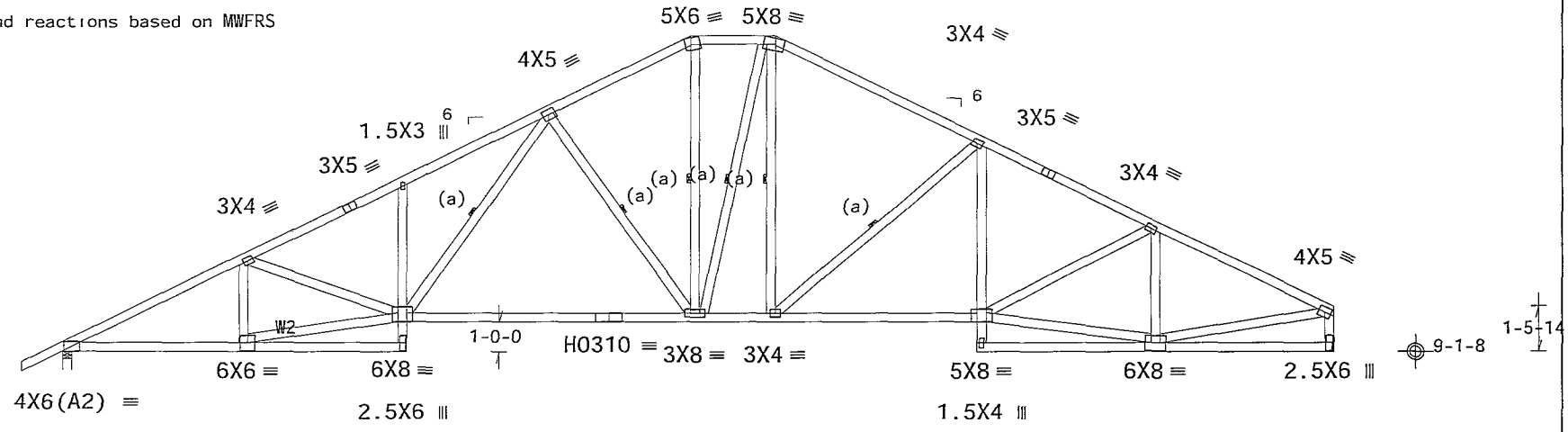
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

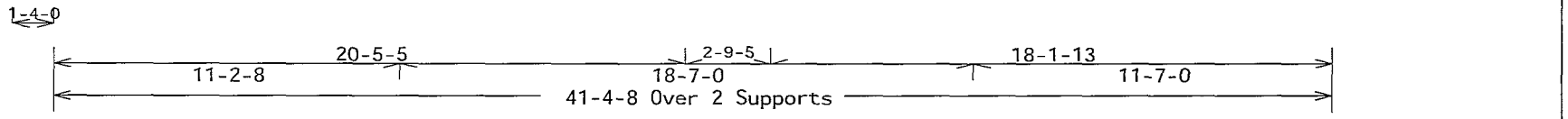
(a) Continuous lateral restraint equally spaced on member

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

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





R=1807 U=75 W=3 5'
RL=162/-161

R=1603 U=55
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 13 02 07 [illegible] 14 QTY 1 FL/-/5/-/-/R/- Scale =.1875"/Ft

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nstalling and brac ng Refer to and follow the latest ed t on of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rig d ceil ng Locations shown for permanent lateral restra nt of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng nstallat on brac ng of trusses Apply plates to each face of truss and pos t ons as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The su tab l ty and use of this des gn for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformation see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com IGC www ecsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20.0 PSF	REF	R9114- 55050
TC DL	7 0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 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

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - HJ7 11 8 Hip Jack Girder)

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

Top chord 2x4 SP #1
Bot chord 2x4 SP M-30
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 MWFRS

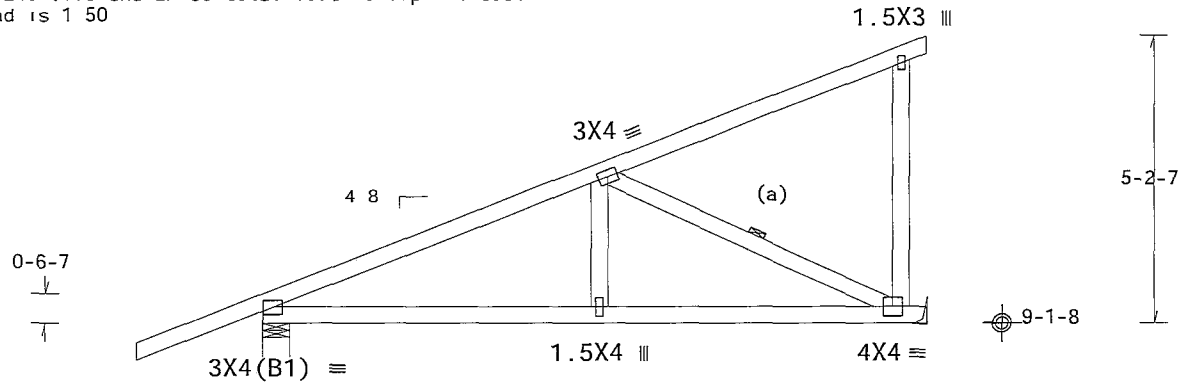
(J) Hanger Support Required by others

(a) Continuous lateral restraint equally spaced on member

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

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at -2 22 to 55 plf at 11 67
BC- From 4 plf at -2 22 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf 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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 [illegible]14 QTY 2 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nstall ng and brac ng Refer to and follow the latest edition of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallat on brac ng of trusses App y plates to each face of truss and pos tion as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng responsib l ty solely for the des gn shown The su tab l ty and use of th s des gn for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com IGC www ocsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20.0 PSF	REF	R9114- 55051
TC DL	7 0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162029
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT LD	37 0 PSF	SEQN-	380093
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - HJ7A 11 8 Hip Jack Girder)

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

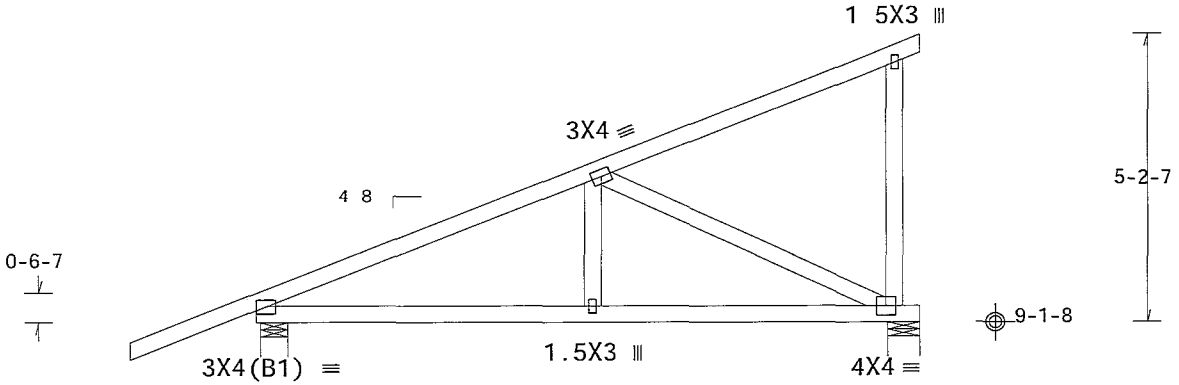
Wind loads and reactions based on MWFRS

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 0000 14 QTY 1 FL/-/5/-/-/R/- Scale = 3125"/Ft

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

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

Trusses require extreme care n fabr cat ng handl ng sh pp ng nstalling and brac ng Refer to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ce l ng Locations shown for permanent lateral restra nt of webs shall have bracing nstalled per BCSI sect ons B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng nstallat on and brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-2 for standard plate pos t ons A seal on this draw ng or cover page l st ng this draw ng nd cates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The su tab l ty and use of th s design for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 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

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - MH7 40 Mono Hip Girder)

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

Top chord 2x4 SP M-30 T1 2x4 SP 2850f-2 3E
Bot chord 2x4 SP 2850f-2 3E
Webs 2x4 SP #3 W12 2x4 SP #2 W14 2x4 SP #1
Lt Wedge 2x6 SP #2

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

(I) - 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 MWFRS

Calculated horizontal deflection is 0 14 due to live load and 0 18 due to dead load

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

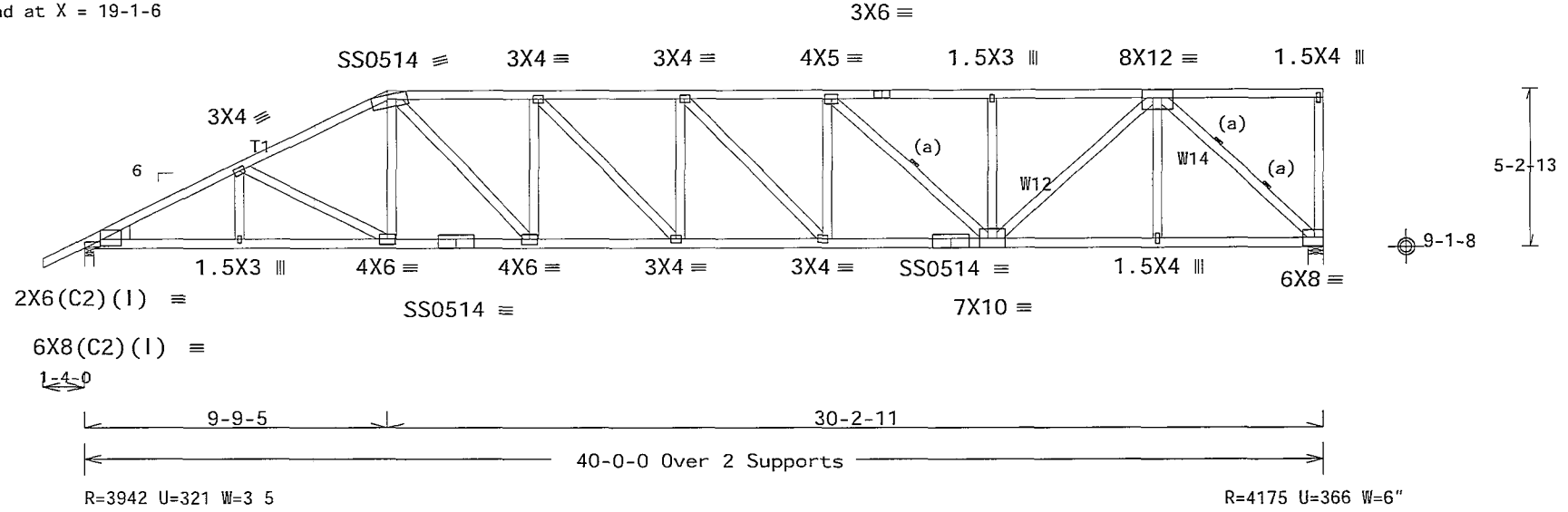
Calculated vertical deflection is 0 49" due to live load and 0 63' due to dead load at X = 19-1-6

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 9 78
TC- From 28 plf at 9 78 to 28 plf at 25 78
TC- From 28 plf at 25 78 to 28 plf at 40 00
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 9 81
BC- From 10 plf at 9 81 to 10 plf at 12 00
BC- From 10 plf at 12 00 to 10 plf at 28 00
BC- From 10 plf at 28 00 to 10 plf at 40 00
TC- 179 82 lb Conc Load at 9 84,11 84,13 84,15 84 17 84 19 84,21 84 23 84 25 84 27 84 29 84,31 84,33 84 35 84,37 84 39 84
BC- 1282 86 lb Conc Load at 9 81
BC- 132 89 lb Conc Load at 11 84,13 84 15 84,17 84 19 84 21 84 23 84 25 84 27 84,29 84,31 84,33 84,35 84 37 84 39 84

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 increase factor for dead load is 1 50



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. 18 Gauge HS,Wave FT/RT=20%(0%)/10(0) 13 02 07 0000 14 QTY 1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses require extreme care n fabr cat ng handl ng sh pp ng nstall ng and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rig d ce l ng Locations shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng installat on brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate pos t ons A seal on th draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The su tab l ity and use of this design for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20.0 PSF	REF	R9114- 55053
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162031
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD.	37.0 PSF	SEQN-	380098
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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

(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

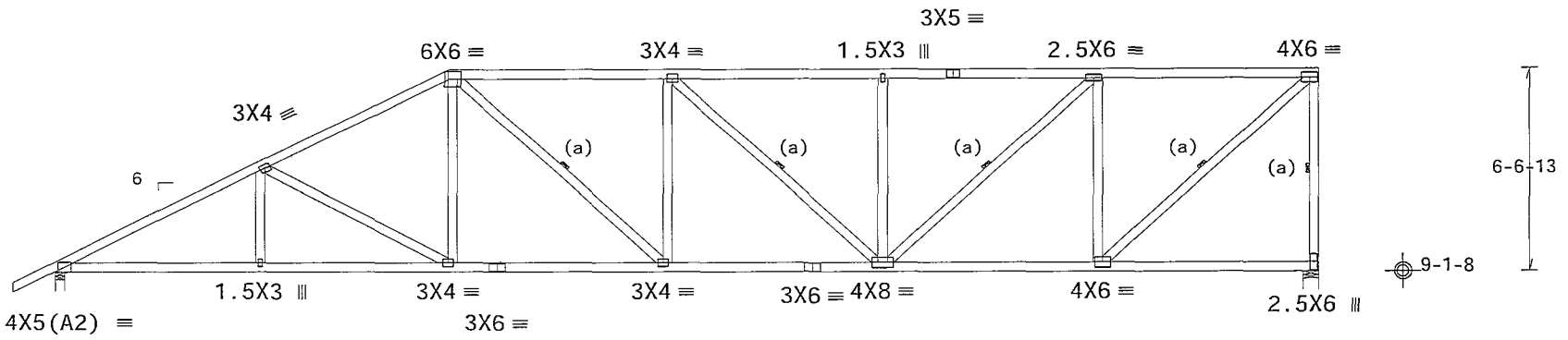
120 mph wind 15 00 ft mean hgt ASCE 7-10, CLOSED bldg, not located within 6 50 ft from roof edge RISK CAT II EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

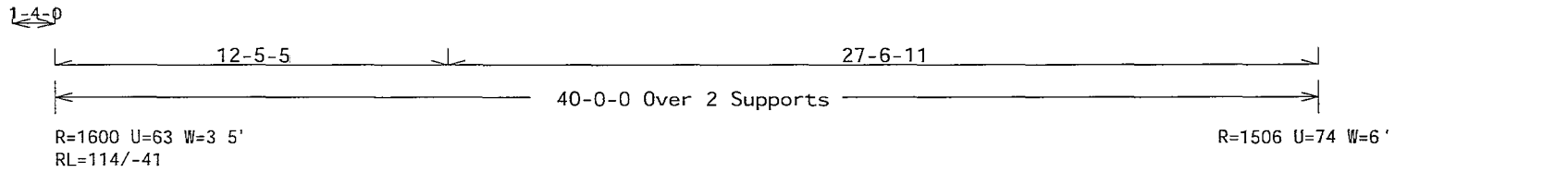
Wind loads and reactions based on MWFRS with additional C&C member design

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





Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 0000 14 QTY 1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nstall ng and brac ng Refer to and follow the latest edit on of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety proct ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locations shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng installat on brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neering respons b l ty solely for the des gn shown The su tab l ty and use of this des gn for any structure is the respons b l ity of the Build ng Des gner per ANSI/TPI 1 Sec 2 For more information see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20.0 PSF	REF	R9114- 55054
TC DL	7.0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 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_Z04

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

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

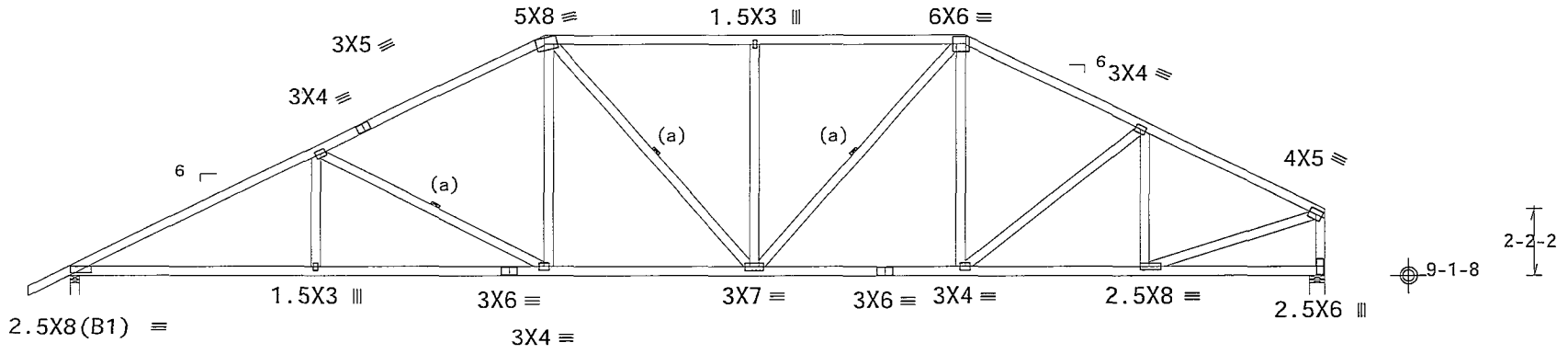
120 mph wind 15 00 ft mean hgt ASCE 7-10, CLOSED bldg, not located within 6 50 ft from roof edge RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

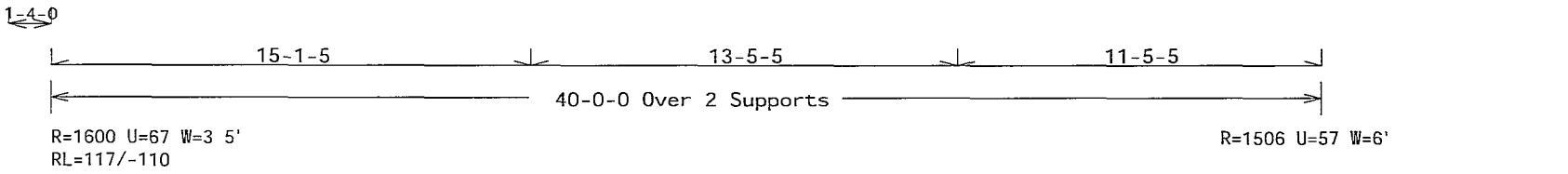
Wind loads and reactions based on MWFRS with additional C&C member design

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





Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02.07-0808-14 QTY 1 FL/-/5/-/-/R/- Scale =.1875"/Ft

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

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

Trusses requ re extreme care n fabricating handling sh pping install ng and brac ng Refer to and follow the latest edit on of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s design any failure to build the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng installat on brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on this draw ng or cover page l sting th s draw ng nd cates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitabil ty and use of th s des gn for any structure s the responsib l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR9114 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

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City, FL - MH13 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

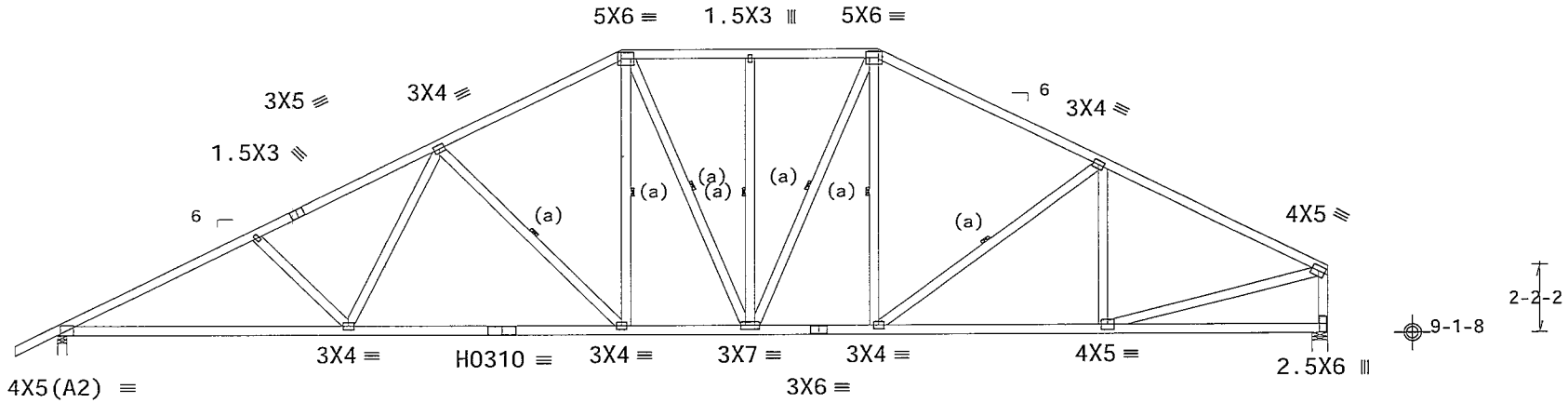
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

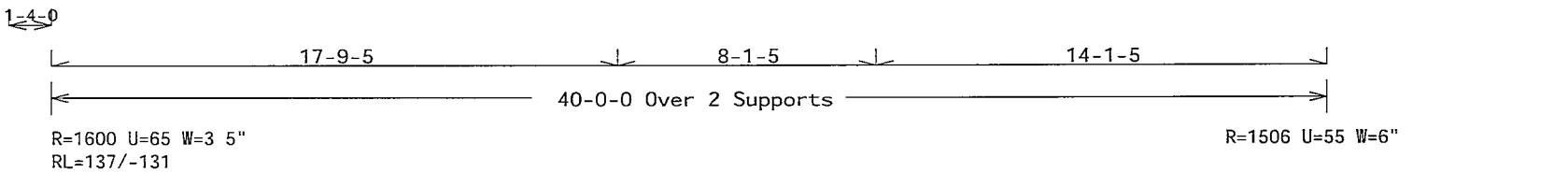
Wind loads and reactions based on MWFRS with additional C&C member design

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





Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 13.02.07 QTY 1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pp ng install ng and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ce l ng Locations shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A seal on this draw ng or cover page l st ng th s drawing nd cates acceptance of profess onal engineer ng respons bility solely for the design shown The suitabil ty and use of th s des gn for any structure s the responsibil ty of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see Th s job s general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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

(14-045D--BRYAN ZECHER /Burke House -- The Preserves Lake City FL - MH15 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

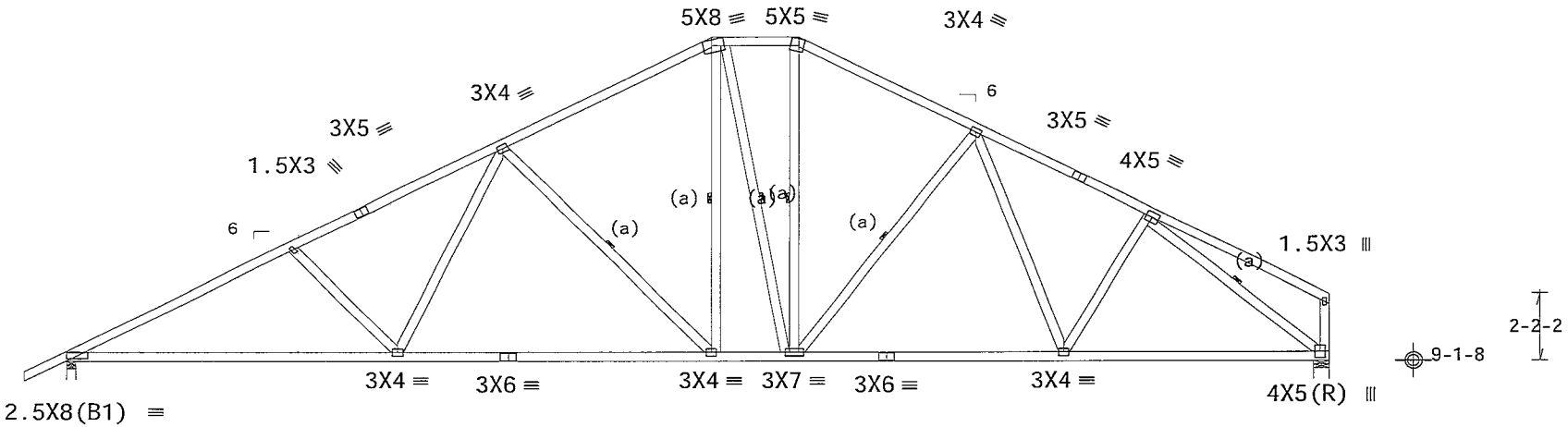
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

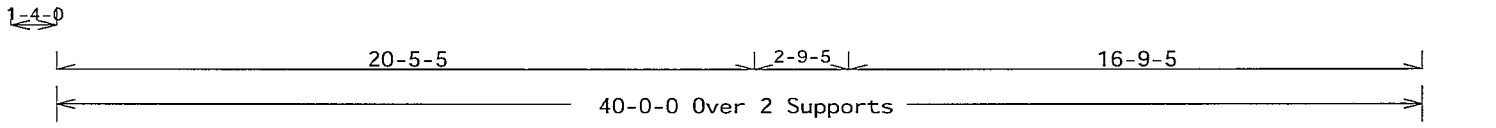
Wind loads and reactions based on MWFRS with additional C&C member design

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





R=1600 U=0 W=3 5"
RL=158/-152

R=1506 U=0 W=6"

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13 02 07 4 QTY 1 FL/-/5/-/-/R/- Scale =.1875"/Ft

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

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

Trusses requ re extreme care n fabricat ng handling sh pp ng nstall ng and brac ng Refer to and follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping installation brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page list ng this draw ng nd cates acceptance of profess onal eng neer ng responsib l ty solely for the des gn shown The su tab lity and use of th s design for any structure s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/11/2014

TC LL	20 0 PSF	REF	R9114- 55057
TC DL	7 0 PSF	DATE	06/11/14
BC DL	10.0 PSF	DRW	HCUSR9114 14162023
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT.LD	37 0 PSF	SEQN-	380097
DUR.FAC	1.25		
SPACING	24.0"	JREF-	1V74487_Z04

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 s only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforecement or scab reinforcement

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

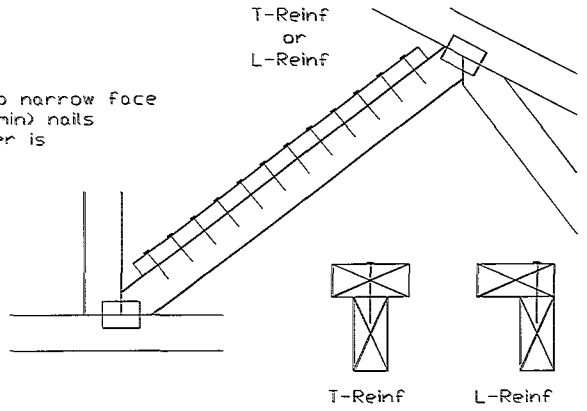
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

T-reinforcement L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer s sealed design.

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

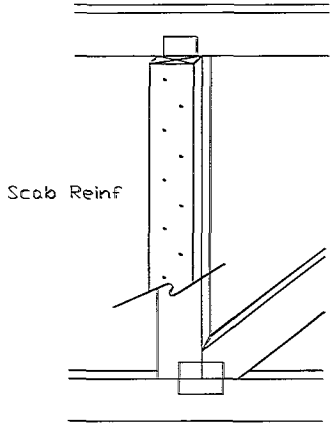
T-Reinforcement or L-Reinforcement

Apply to either side of web narrow face Attach with 10d (0128"x3 0",min) nails at 6" oc Reinforcing member is a minimum 80% of web member length



Scab Reinforcement

Apply scab(s) to wde face of web No more than (1) scab per face Attach with 10d (0128"x3.0",mn) 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!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Sa ety Information, by TPI and SBCA) for so ety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable Apply plates to each face of truss and position as shown above and on the Join Details, unless noted otherwise.
Refer to drawings 160A-2 for standard plate positions.
ITW Building Components Group Inc shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1 or or handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing 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 and these web sites:
ITWBCG: www.i-wbcg.com; TPI: www.tpinst.org, SBCA: www.sbcindustry.org, ICC: www.iccsafe.org

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

14

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		

06/11/2014

Gable Stud Reinforcement Detail

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

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

Max Gable Vertical Length

2x4 Gable Vertical Spacing	Species	Brace Grade	No Braces	1) 1x4 "L" Brace *		1) 2x4 "L" Brace *		(2) 2x4 "L" Brace **		(1) 2x6 "L" Brace *		(2) 2x6 "L" Brace **	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
24" oc	SPF HF	#1 / #2	4 10"	8 2"	8 6"	9 8"	10 1"	11 6"	12 0"	14 0"	14 0"	14 0"	14 0"
		#3	4 7"	7 9"	8 3"	9 7"	9 11"	1 5"	11 10"	14 0"	14 0"	14 0"	14 0"
		Stud	4 7"	8 1"	8 4"	9 7"	9 11"	1 5"	11 10"	14 0"	14 0"	14 0"	14 0"
		Standard	4 7"	8 1"	8 4"	9 7"	9 11"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"
	SP DFL	#	4 11"	8 3"	8 7"	9 9"	10 1"	11 7"	12 1"	14 0"	14 0"	14 0"	14 0"
		#2	4 10"	8 2"	8 6"	9 8"	10 1"	11 6"	12 0"	14 0"	14 0"	14 0"	14 0"
		#3	4 7"	6 11"	7 4"	9 3"	9 10"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"
		Stud	4 7"	6 11"	7 4"	9 3"	9 0"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"
		Standard	4 7"	6 0"	6 4"	8 0"	8 6"	10 10"	11 7"	12' 6"	13 5"	14 0"	14 0"
16" oc	SPF HF	# / #2	5 6"	9 5"	9 9"	11 1"	11 6"	3 2"	13 9"	14 0"	14 0"	14 0"	14 0"
		#3	5 3"	9 3"	9 9"	10 11"	11 4"	13 0"	13 7"	14 0"	14 0"	14 0"	14 0"
		Stud	5 3"	9 3"	9 7"	10 11"	11 4"	13' 0"	13 7"	14 0"	14 0"	14 0"	14 0"
		Standard	5 3"	9 3"	9 7"	10 11"	11 4"	13 0"	13 7"	14 0"	14 0"	14 0"	14 0"
	SP DFL	#1	5 8"	9 5"	9 10"	11 2"	11 7"	13 3"	13 10"	14 0"	14 0"	14 0"	14 0"
		#2	5 6"	9 5"	9 9"	11 1"	11 6"	13' 2"	13 9"	14 0"	4 0"	14 0"	14 0"
		#3	5 3"	8 6"	9 0"	10 11"	11 4"	13' 0"	13 7"	14 0"	14 0"	14 0"	14 0"
		Stud	5 3"	8 6"	9 0"	10 11"	11 4"	13' 0"	13 7"	14 0"	14 0"	14 0"	14 0"
		Standard	5 3"	7 4"	7 0"	9 9"	10 5"	13 0"	13 7"	14 0"	14 0"	14 0"	14 0"
12" oc	SPF HF	#1 / #2	6 1"	10 4"	10 8"	12 2"	12 8"	13' 2"	14 0"	14 0"	14 0"	14 0"	14 0"
		#3	5 9"	10 2"	10 7"	12 0"	12 6"	14 0"	14 0"	14 0"	14' 0"	14 0"	14 0"
		Stud	5 9"	10 2"	10 7"	12 0"	12 6"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		Standard	5 9"	10 2"	10 7"	12 0"	12 6"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
	SP DFL	#1	6 2"	10 5"	10 9"	12' 3"	12' 9"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		#2	6 1"	10 4"	10 8"	12' 2"	12 8"	14 0"	14 0"	14 0"	14 0"	14 0"	14' 0"
		#3	5 9"	9 9"	10 5"	12' 0"	12 6"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		Stud	5 9"	9 9"	10 5"	12 0"	12 6"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"
		Standard	5 9"	8 6"	9 0"	11 3"	12 1"	14 0"	14 0"	14 0"	14 0"	14 0"	14 0"

Bracing Group Species and Grades

Group A

Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard

Douglas Fir-Larch	Southern Pine***
#3	#3
Stud	Stud
Standard	Standard

Group B

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch	Southern Pine***
#	#1
#2	#2

1x4 Braces shall be SRB (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes

Wind Load deflection criterion is L/240.

Provide uplift connections for 35 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

So. Pine lumber design values based on the ALSC January, 2012 ruling

Attach "L" braces with 10d (0.128"x3.0" min) nails.

* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c between zones.

** For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c between zones.

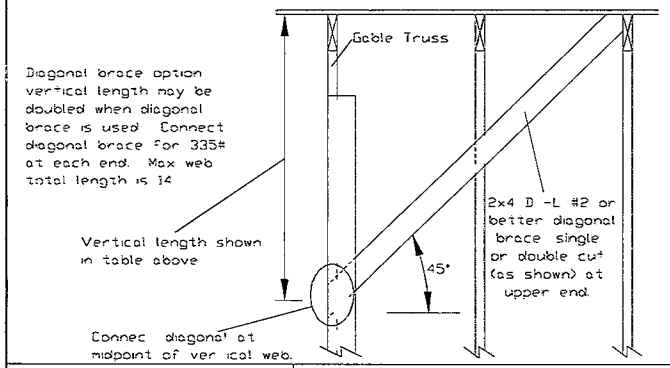
"L" bracing must be a minimum of 80% of web member length.

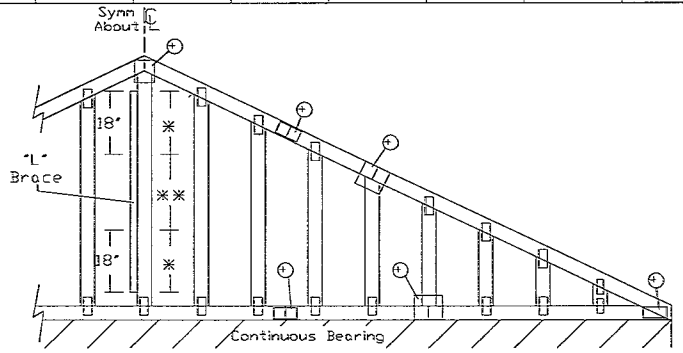
Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0" but less than 11' 6"	2X4
Greater than 11' 6"	2.5X4

+ Refer to common truss design for peak splice and heel plates.

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





Refer to chart above for max gable vertical length

TW
Building Components Group Inc.

Earth City MO 63045

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

14

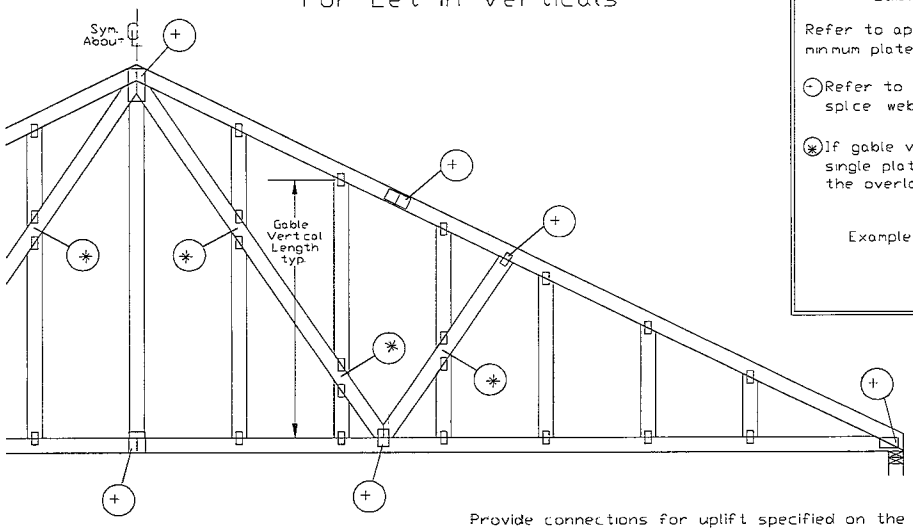
MAX TOT LD 60 PSF

MAX SPACING 24.0"

REF	ASCE7-10-GAB12015
DATE	2/14/12
DRWG	A12015ENC100212

06/11/2014

Gable Detail
For Let-in Verticals



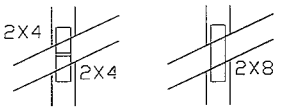
Gable Truss Plate Sizes

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

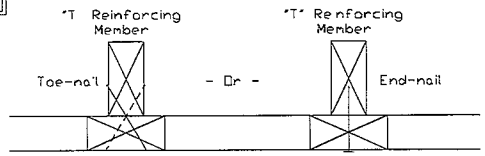
(+) Refer to Engineered truss design for peak splice web and heel plates

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

Example



"T" Reinforcement Attachment Detail



To convert from "L" to "T" reinforcing members multiply "T" increase by length (based on appropriate ITW gable detail)

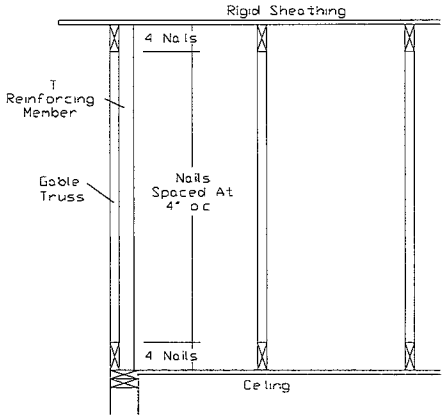
Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size specie and grade of the "L" reinforcing member

Web Length Increase w/ "T" Brace

"T" Reinf Mbr Size	"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"oc 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
  13.0 x 8' 7" = 11' 2"



Provide connections for uplift specified on the engineered truss design

Attach each "T" reinforcing member with

End Driven Nails
- 10d Common (0.148"x 3" min) Nails at 4" o.c. plus
- (4) nails in the top and bottom chords

Toenailed Nails
- 10d Common (0.148"x3" min) Toenails at 4" o.c. plus
- (4) toenails in the top and bottom chords

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

ASCE 7-98 Gable Detail Drawings
A13015980109 A12015980109 A11015980109 A10015980109
A13030980109 A12030980109 A11030980109 A10030980109

ASCE 7-02 Gable Detail Drawings
A13015020109 A12015020109 A11015020109 A10015020109 A14015020109
A13030020109 A12030020109 A11030020109 A10030020109 A14030020109

ASCE 7-05 Gable Detail Drawings
A13015050109 A12015050109 A11015050109 A10015050109 A14015050109
A13030050109 A12030050109 A11030050109 A10030050109 A14030050109

ASCE 7-10 Gable Detail Drawings
A11515ENC100212 A12015ENC100212 A14015ENC100212 A16015ENC100212
A18015ENC100212 A20015ENC100212 A20015END100212 A20015PED100212
A11530ENC100212 A12030ENC100212 A14030ENC100212 A16030ENC100212
A18030ENC100212 A20030ENC100212 A20030END100212 A20030PED100212

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

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 fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the trusses in conformance with ANSI/TPI 1 or for handling, shipping, installation & bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing 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 and these web sites: ITWBCG: www.twbcg.com, TPI: www.tpinst.org, WTCA: www.sbcindustry.org, ICC: www.iccsafe.org

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

14

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

REF LET-IN VERT
DATE 2/16/12
DRWG GBLLETIN0212

06/11/2014

ASCE 7-10 120 mph, 30' Mean Height, Closed, Exposure C
Common Residential Gable End Wind Bracing Requirements - Stiffeners

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=5 0 psf Wind BC DL=5 0 psf

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

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

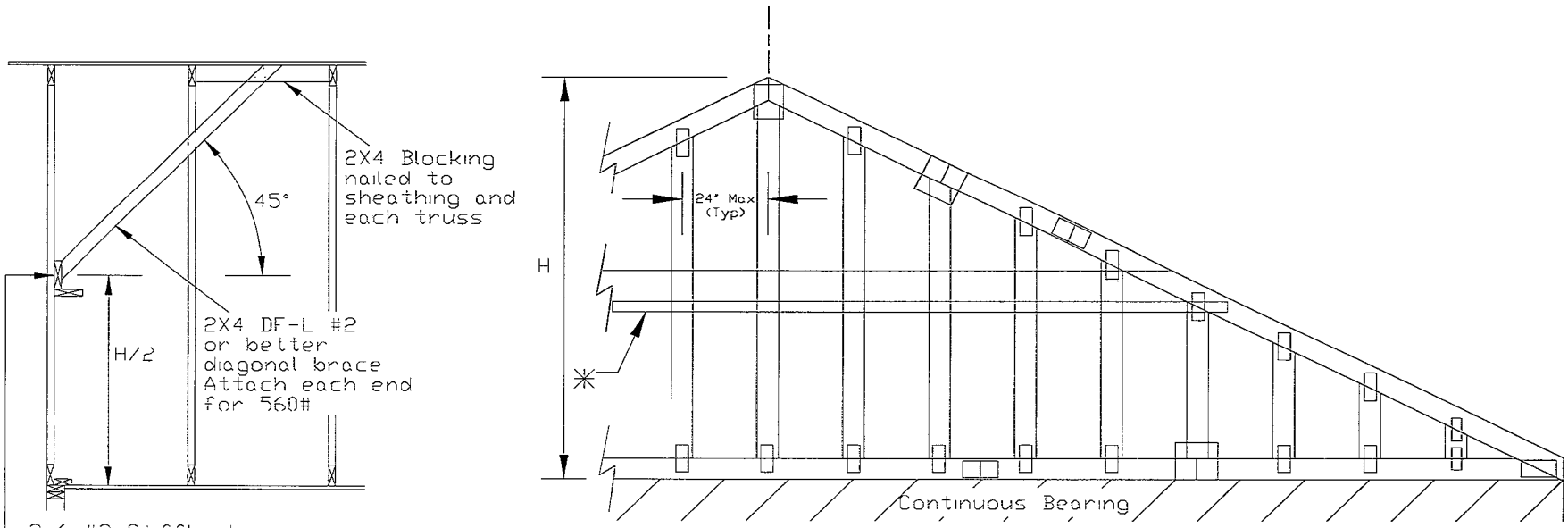
Nails 10d box or gun (0 128 x3",m n) nails

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 (0 128" x 3", min) nails @ 6" oc



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

Trusses require extreme care in fabrica ing, handling, shipping, ins alling and bracing. Re er to and follow he latest edi ion o- BCSI (Building Componen- Sa ety Informa ion, by TPI and WTCA) for sa ety pror ices prior to per orming these func ions. Insta ers shall provide temporary bracing per BCSI Unless noted otherwise .op chord shall have properly attached structural sheathing and bot.om chord shall have a properly a- ached rigid ceiling. Locations shown for permanent latera restraint of webs shall have bracing ins.alled per BCSI sec ions B3, B7 or B10 as applicable Apply pla.es to each s e of russ and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard pla e positions.

TTW Building Components Group Inc shall not be responsible or any deviation rom this drawing, any failure to build the truss in onformance with ANSI/TPI 1 or for handling, shipping, ins allation & bracing of russes. A seal on this drawing or cover page listing this drawing, indica es acceptance of pro essional engineering responsibili y solely for the design shown. The suitabil ty and use of this drawing for any structure is he responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more informa ion see this job's general notes page and these web sites: TTWBCG: www.ttwbcg.com, TPI www.tpinst.org, WTCA: www.sbcindustry.org, ICC: www.iccsafe.org

Building Components Group Inc.

Earth City MO 63045

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

REF	GE WHALER
DATE	2/14/12
DRWG	GABRST100212
MAX TOT LD	60 PSF
MAX SPACING	

06/11/2014