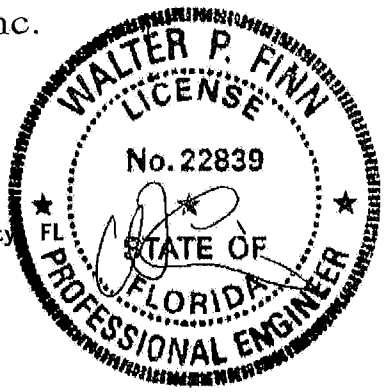
ITW Building Components Group, Inc.

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 1V3B487-Z0224151353



Truss Fabricator	Anderson Truss Company
Job Identification	14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL
Truss Count	48
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

01/24/2014

Notes

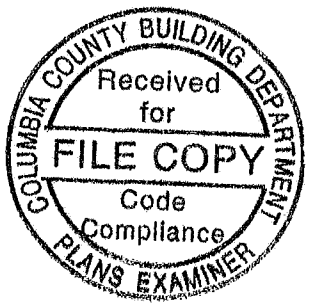
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Walter P Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: 12015EC1-GBLLETIN-GABRST10-BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	69273--A	25' Common	14024160	01/24/14
2	69274--A1	25' Common	14024161	01/24/14
3	69275--A2	8'11"8 Mono	14024162	01/24/14
4	69276--AGE	25' Gable	14024194	01/24/14
5	69277-AGE2	11'4" Gable	14024195	01/24/14
6	69278-B1	22'11" Common	14024163	01/24/14
7	69279-B2	22'9"8 Common	14024207	01/24/14
8	69280--BGE	9'4" Gable	14024164	01/24/14
9	69281-BGE1	22'11" Comm	14024202	01/24/14
10	69282-C	39'11"8 Specia	14024165	01/24/14
11	69283-C1	48'3"8 Specia	14024166	01/24/14
12	69284-C2	48'3"8 Specia	14024203	01/24/14
13	69285-C3	48'3"8 Specia	14024167	01/24/14
14	69286--CJ1	1'4"3 Jack	14024168	01/24/14
15	69287--CJ1A	1'9"8 Jack	14024169	01/24/14
16	69288-CJ2	1'10"14 Jack	14024170	01/24/14
17	69289-CJ2A	1'6"14 Jack	14024171	01/24/14
18	69290--CJ3	4'0"3 Jack	14024172	01/24/14
19	69291--CJ3A	4'5"8 Jack	14024173	01/24/14
20	69292--CJ4	3'4"14 Jack	14024174	01/24/14
21	69293-CJ4A	3'0"14 Jack	14024175	01/24/14
22	69294--CJ5	6'8"3 Jack	14024176	01/24/14
23	69295--CJ5A	7'1"8 Jack	14024177	01/24/14
24	69296-CJ6	4'10"14 Jack	14024178	01/24/14
25	69297-CJ6A	4'6"14 Jack	14024179	01/24/14
26	69298--CJ8	6'4"14 Jack	14024180	01/24/14
27	69299-CJ8A	6'0"14 Jack	14024181	01/24/14
28	69300--EJ7	7' End Jack	14024182	01/24/14
29	69301-EJ7A	7' End Jack	14024183	01/24/14
30	69302-EJ7B	6'8" End Ja	14024184	01/24/14
31	69303-EJ7C	6'5"8 End J	14024185	01/24/14
32	69304-H7	39'11"8 Mono	14024204	01/24/14
33	69305-H7A	33'3"8 Mono	14024205	01/24/14
34	69306-HJ7	11'7"7 Hip J	14024206	01/24/14
35	69307-HJ7A	12'2"2 Hip	14024196	01/24/14
36	69308-HJ7B	11'3"4 Hip	14024197	01/24/14
37	69309-H9	39'11"8 Mono	14024186	01/24/14
38	69310-H9A	33'3"8 Mono	14024187	01/24/14
39	69311-H11	39'11"8 Mono	14024188	01/24/14
40	69312-H11A	33'3"8 Mono	14024189	01/24/14
41	69313-H13	39'11"8 Mono	14024190	01/24/14
42	69314-H13A	33'3"8 Mono	14024191	01/24/14
43	69315-H15	39'11"8 Step	14024192	01/24/14
44	69316-H15A	31'11" Mono	14024193	01/24/14
45	69317-H17A	41'3" Mono	14024198	01/24/14
46	69318-H19A	41'3" Mono	14024199	01/24/14
47	69319-H21A	41'3" Mono	14024200	01/24/14
48	69320-H23A	43'7" Mono	14024201	01/24/14



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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - A 25 Common)

Top chord 2x4 SP 2850f-2 3E T2, T3 2x6 SP M-26
Bot chord 2x8 SP SS-13B B2 2x4 SP #1-13B
Webs 2x4 SP #3-13B

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

Calculated horizontal deflection is 0 15' due to live load and 0 27' due to dead load

BC attic room floor loading LL = 40 00 psf, DL = 10 00 psf, from 7-0-0 to 18-0-0

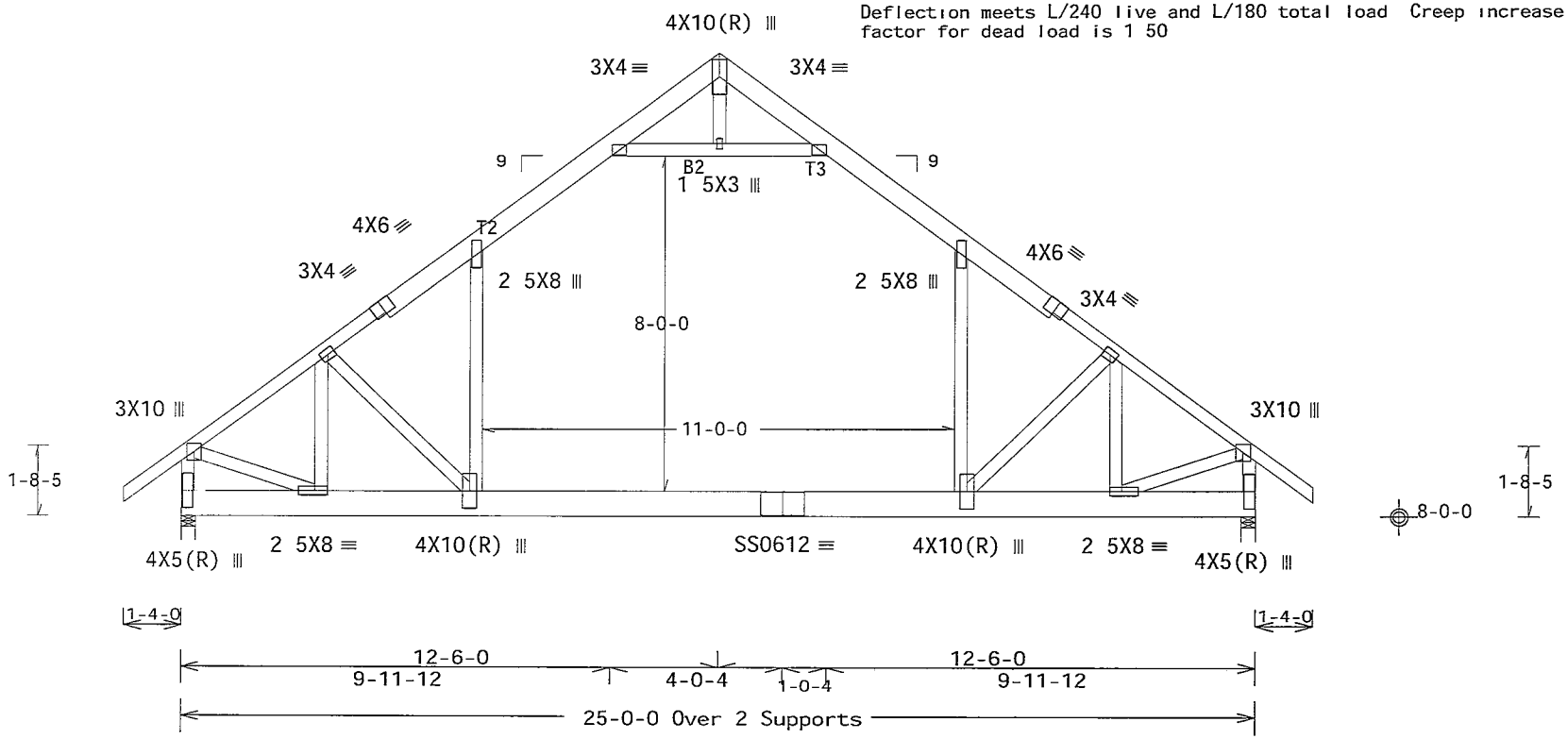
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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

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



R=1829 U=161 W=4' (4' min)
RL=279/-279

R=1829 U=161 W=4" (4" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04 [illegible]43 QTY:9 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

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

Trusses requ re extreme care in fabr cat ng handl ng shipp ng nstall ng 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 performing 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 restraint 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 dev at on from this des n any fa lure to build the truss in conformance w th ANSI/TPI 1 or for handl ng sh pp ng installat on bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Data is unless noted otherwise Refer to drawings 160A-Z for standard p ate posit ons A seal on th s drawing or cover page listing this drawing nd cates acceptance of profess onal eng neer ng respons bility 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 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 tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69273
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024160
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	344042
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - A1 25' Common)

Top chord 2x4 SP #1-13B T2, T3 2x6 SP SS-13B
Bot chord 2x8 SP #1 Dense-13B B2 2x4 SP #1-13B
Webs 2x4 SP #3-13B

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

Calculated horizontal deflection is 0 17" due to live load and 0 29" due to dead load

BC attic room floor loading LL = 40 00 psf DL = 10 00 psf, from 7-0-0 to 18-0-0

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

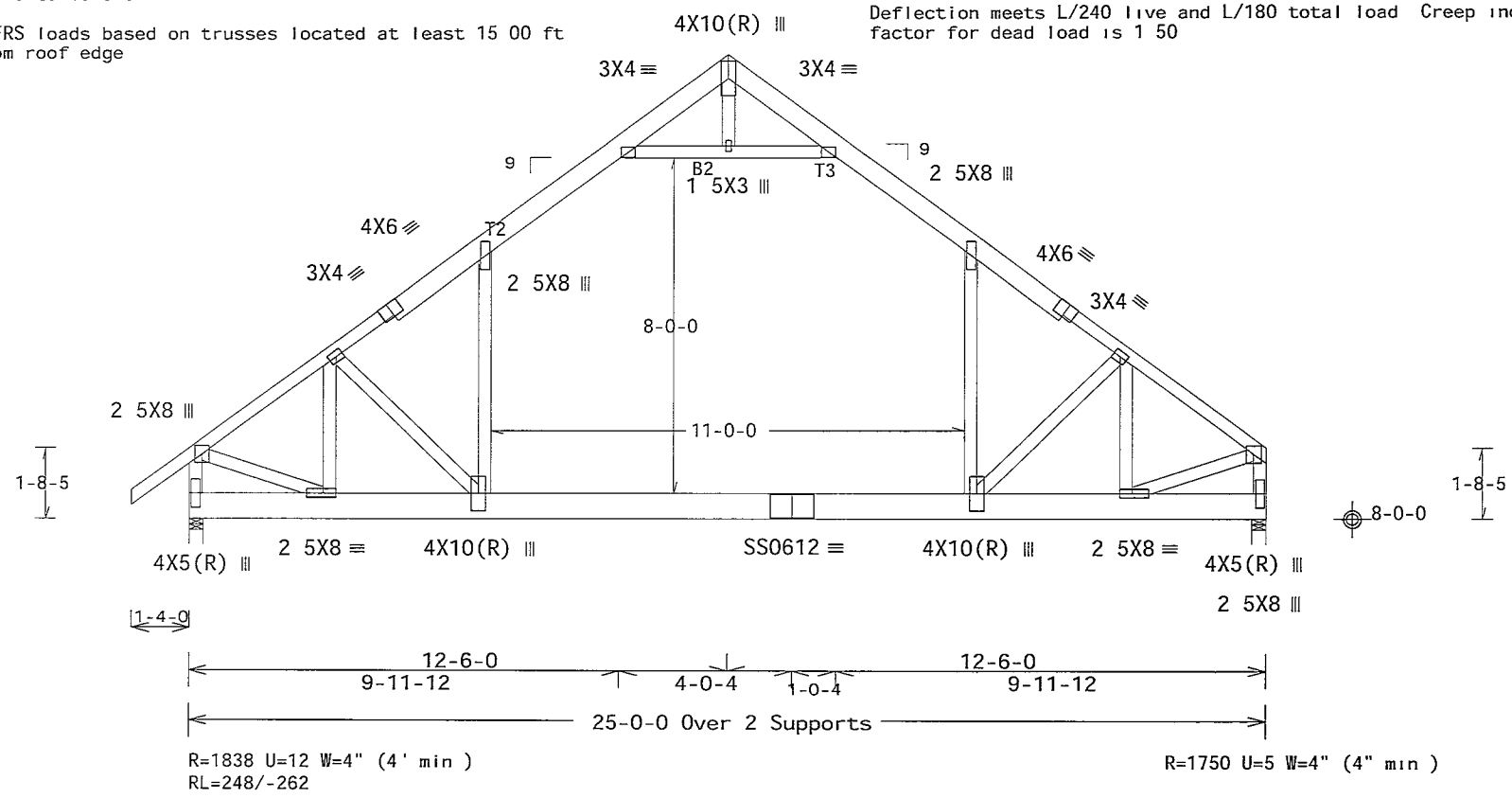
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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

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



R=1838 U=12 W=4" (4' min)
RL=248/-262

R=1750 U=5 W=4" (4" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04 QTY:3 FL/-/5/-/-/R/- Scale =.25"/Ft.

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69274
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024161
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	344076
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - A2 8 11 8 Mono)

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

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

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

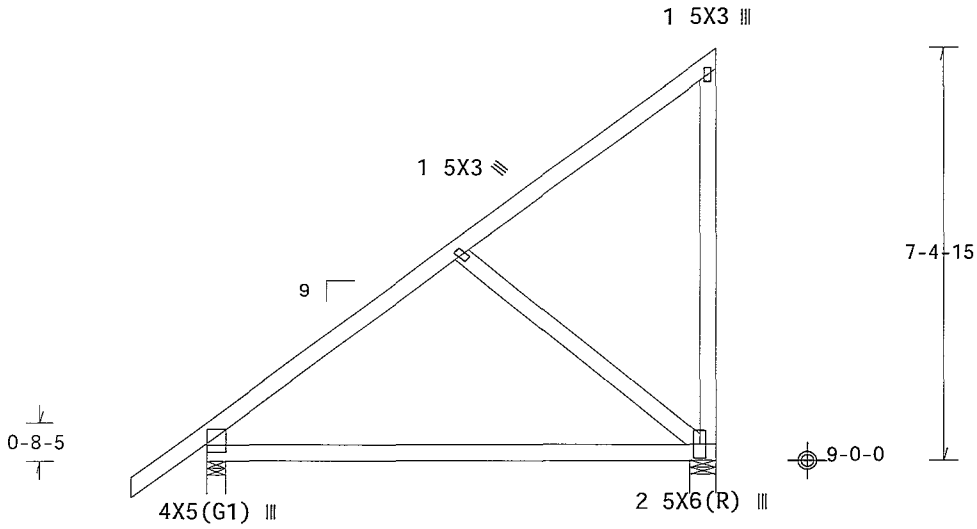
MWFRS loads based on trusses located at least 15 00 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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) 12.03.04.26.8 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft

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01/24/2014

TC LL 20.0 PSF	REF R9114- 69275
TC DL 7.0 PSF	DATE 01/24/14
BC DL 10.0 PSF	DRW HCUSR9114 14024162
BC LL 0.0 PSF	HC-ENG JB/WPF
TOT.LD. 37.0 PSF	SEQN- 345408
DUR.FAC. 1.25	FROM JMW
SPACING 24.0"	JREF- 1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - AGE 25 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

Calculated horizontal deflection is 0 21 due to live load and 0 14 due to dead load

See DWGS A12015ENC100212 GBLLETIN0212 & GABRST100212 for more requirements

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 C 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

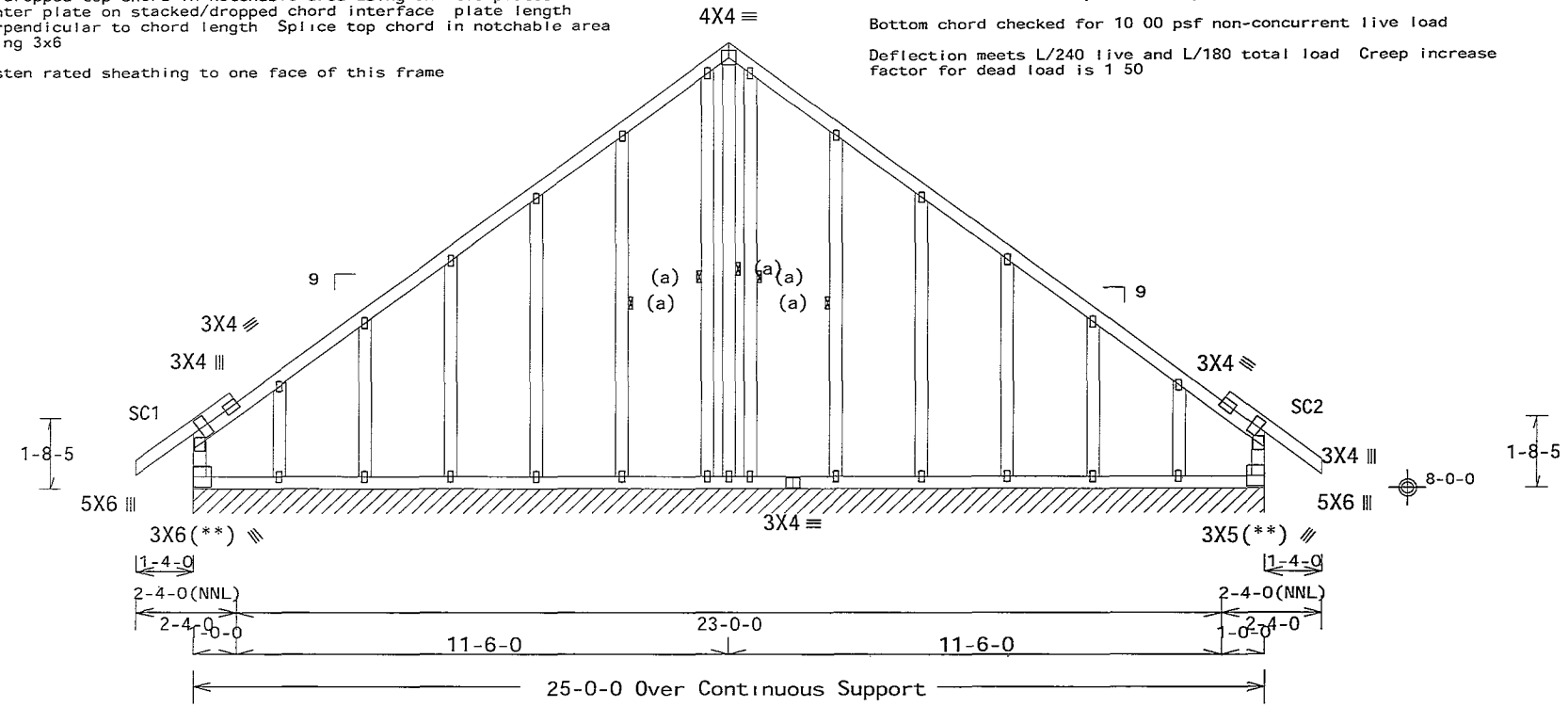
Truss spaced at 24 0 OC designed to support 2-3-0 top chord outlookers Cladding load shall not exceed 10 00 PSF Top chord must not be cut or notched

(a) Continuous lateral restraint equally spaced on member

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=218 PLF U=34 PLF W=25-0-0
RL=25/-25 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 0326 13 QTY·1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69276
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024194
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	344209
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - AGE2 11 4 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 Lt Stub Wedge 2x4 SP #3-13B

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

Truss spaced at 24 0 OC designed to support 2-3-0 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) 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 C, 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

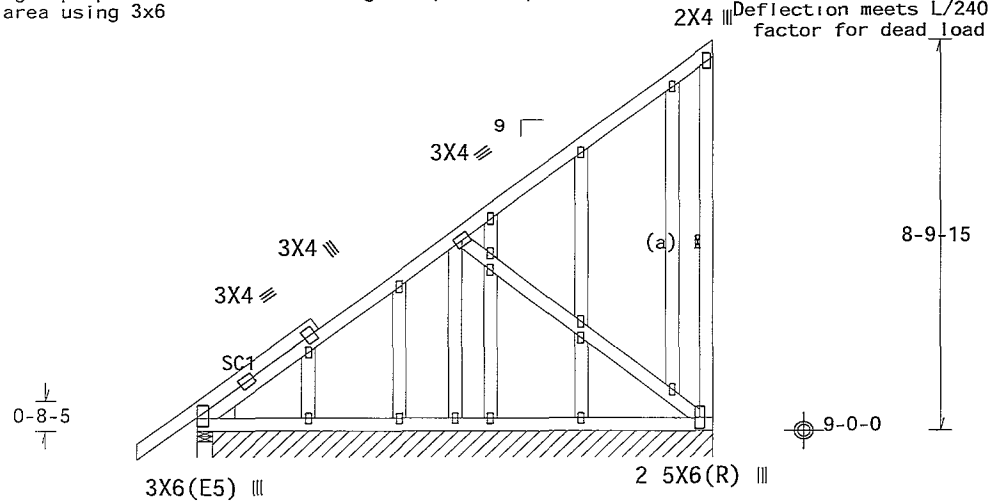
Right end vertical not exposed to wind pressure

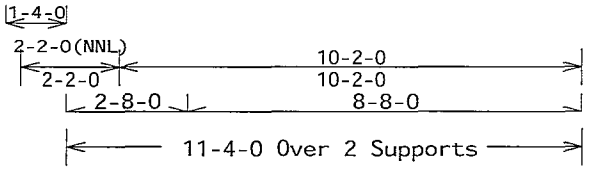
See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements

(a) Continuous lateral restraint equally spaced on member

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

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





R=421 U=23 W=4 (4 min)
RL=753/-209

R=173 PLF U=76 PLF W=11-0-0

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 13 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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Orlando FL, 32837
FL COA #0 278

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69277
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024195
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	345405
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - B1 22 11 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

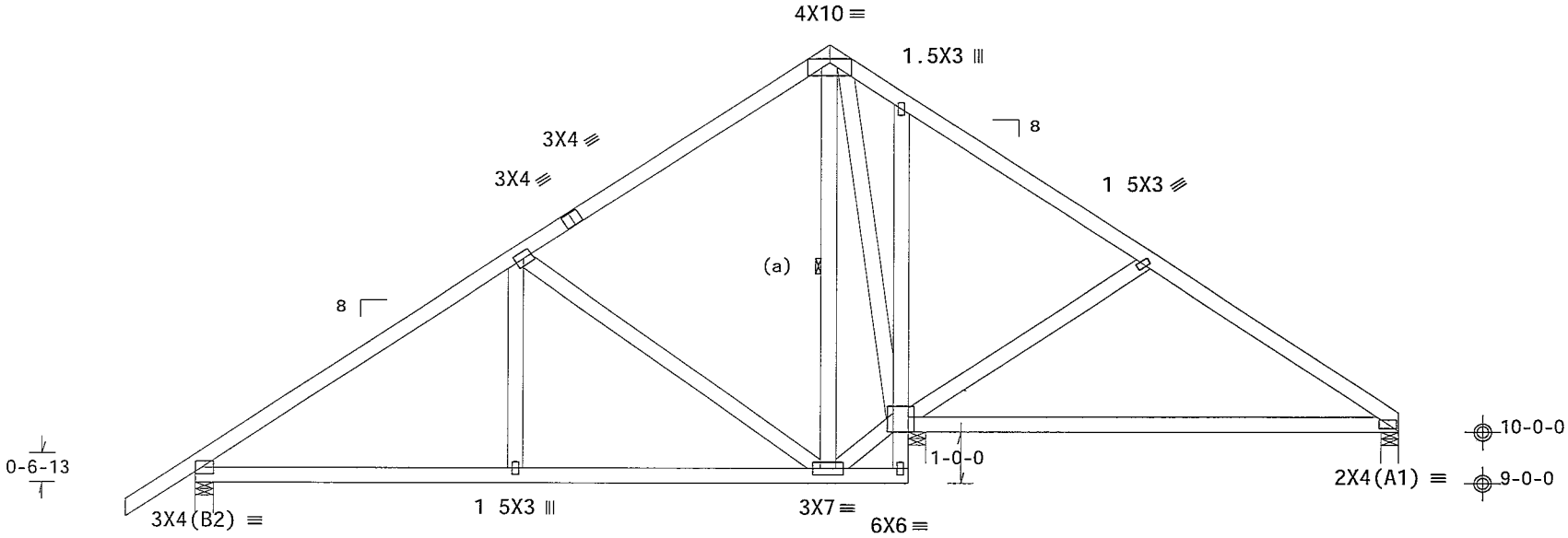
(a) Continuous lateral restraint equally spaced on member

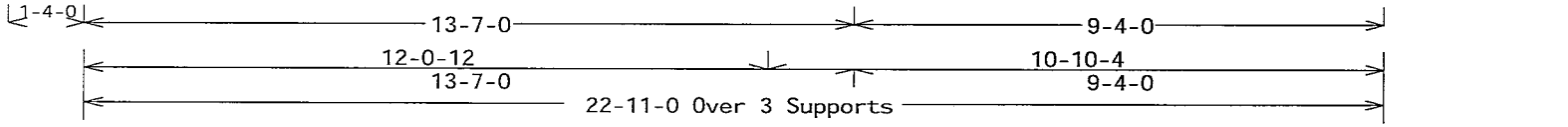
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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





R=626 U=99 W=4" (4' min)
RL=198/-202

R=852 U=132 W=4" (4" min)

R=379 U=54 W=4" (4" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12 03.04 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 require extreme care in fabr cat ng handl ng sh pping nstall ng 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 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 ce l ng Locat ons shown for permanant lateral restra nt of webs shall have brac ng 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 des n any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for hand ng sh pp ng installation brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Deta ls Un ess 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 engineering responsib 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 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 sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69278
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10 0 PSF	DRW	HCUSR9114 14024163
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD.	37 0 PSF	SEQN-	341086
DUR.FAC	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - B2 22 9 8 Common Girder)

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP M-26 B2 2x4 SP #1-13B
Webs 2x4 SP #3-13B W7 2x4 SP #2-13B

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 57 plf at -1 33 to 57 plf at 12 06
TC- From 57 plf at 12 06 to 57 plf at 22 79
BC- From 5 plf at 1 33 to 5 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 13 58
BC- From 20 plf at 13 58 to 20 plf at 22 79
BC- 3261 53 lb Conc Load at 7 13
BC- 1238 22 lb Conc Load at 9 06
BC- 1241 28 lb Conc Load at 11 06
BC- 1253 76 lb Conc Load at 13 06

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 128 x3 , min nails
Top Chord 1 Row @12 00 o c
Bot Chord 1 Row @ 4 75 o c
Webs 1 Row @ 4 o c
Use equal spacing between rows and stagger nails in each row to avoid splitting

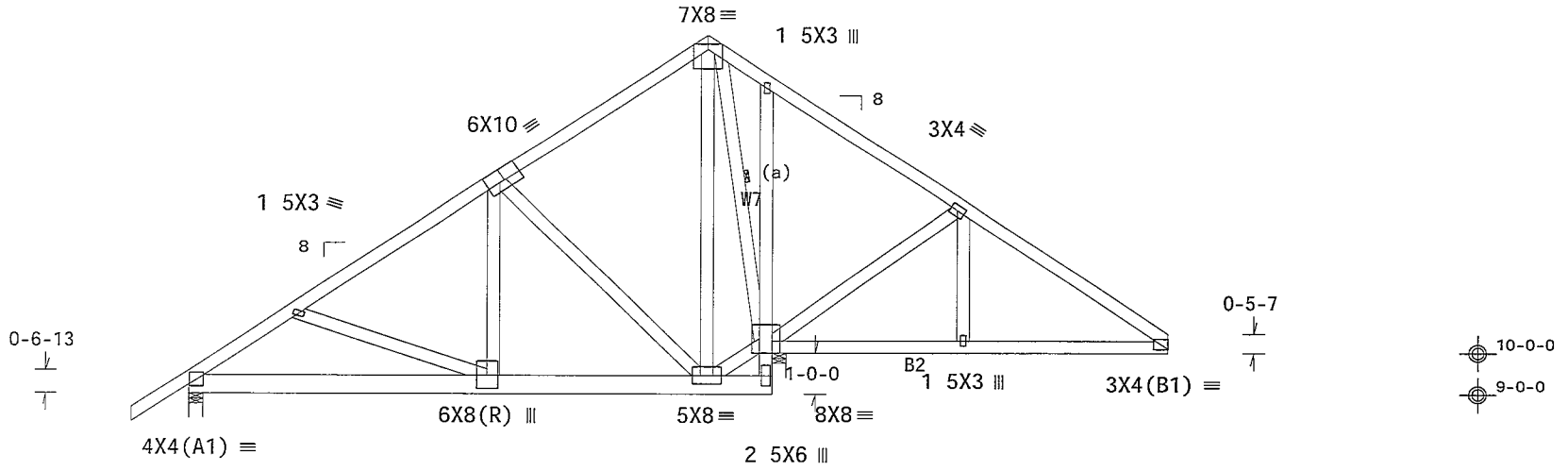
120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

Right cantilever is exposed to wind

(a) Continuous lateral restraint equally spaced on member

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12 03 04 0806 13 QTY.1 FL/-/5/-/-/R/- Scale = 25"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69279
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10 0 PSF	DRW	HCUSR9114 14024207
BC LL	0 0 PSF		HC-ENG JB/WPF
TOT LD	37.0 PSF	SEQN-	341622
DUR FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - BGE 9 4 Gable)

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

Gable end supports 8 max rake overhang

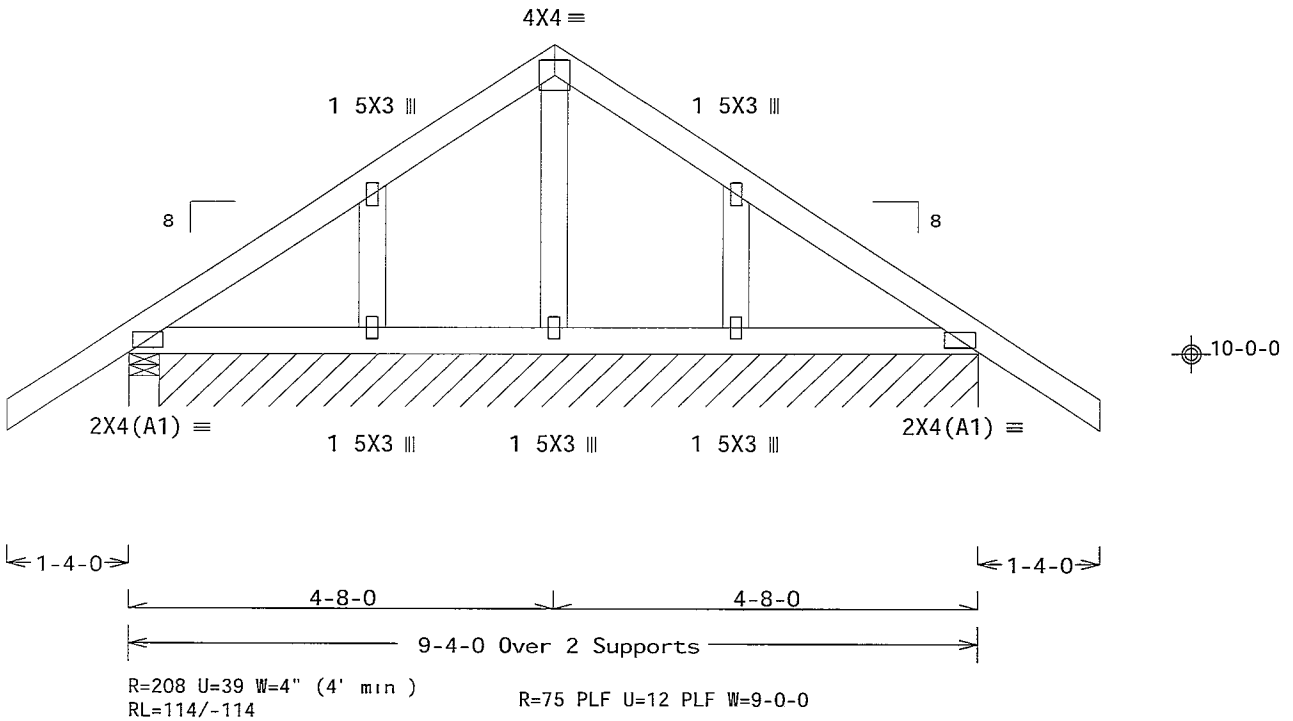
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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

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 0886 13 QTY:1 FL/-/5/-/-/R/- Scale = 5"/Ft.

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

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ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for hand! ng sh pp ng installation 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 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 engineering responsib l ty solely for the design shown Tnc su tab lity and use of th s design for any structure is the responsib l ty of the Building Des gner 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 !CC www iccsafe org

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69280
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024164
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340735
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - BGE1 22 11' 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

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

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements

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

+ MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS

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

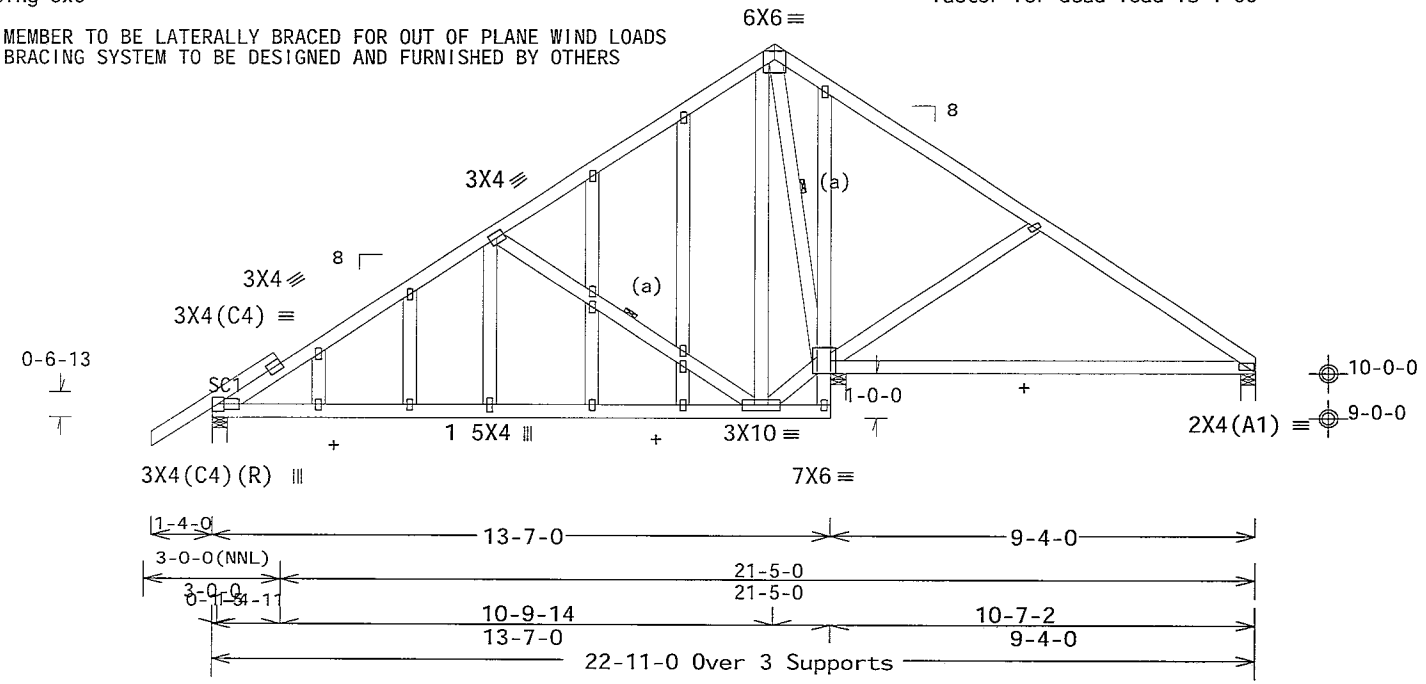
Wind loads and reactions based on MWFRS with additional C&C member design

Truss spaced at 24 0" OC designed to support 2-3-0 top chord outlookers Cladding load shall not exceed 10 00 PSF Top chord must not be cut or notched

(a) Continuous lateral restraint equally spaced on member

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

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



R=1332 U=251 W=4' (4' min)
RL=447/-452

R=2292 U=368 W=4" (4" min) R=726 U=142 W=4" (4" min)

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 [illegible] QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69281
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024202
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	341371
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - C 39 11 8 Special)

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

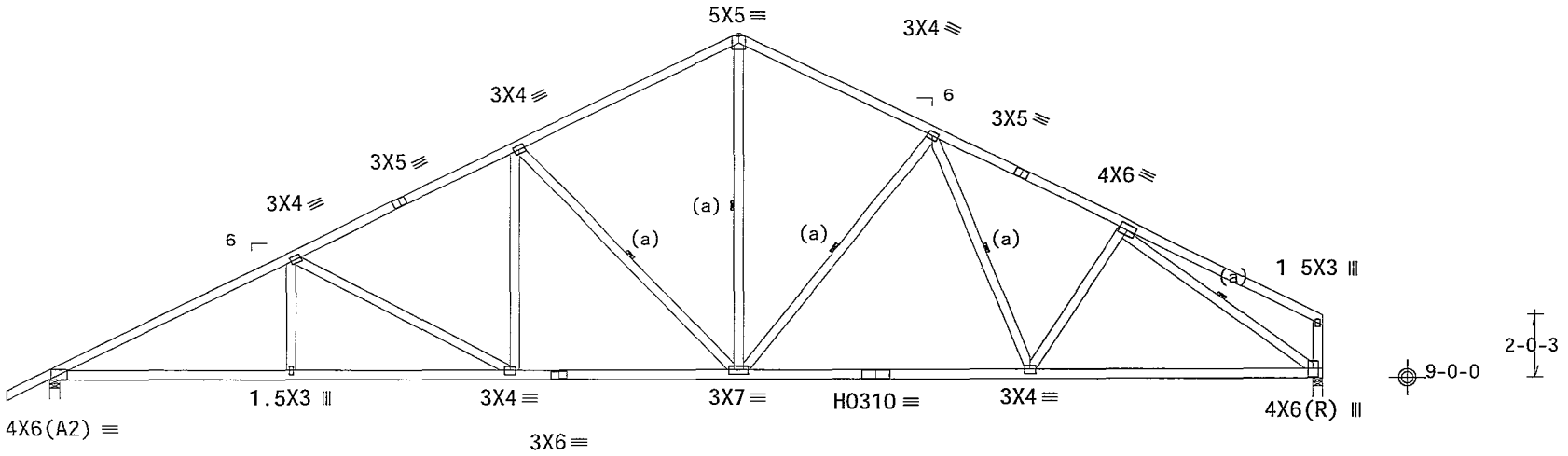
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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



R=1729 U=38 W=4 (4 min)
RL=248/-241

R=1674 U=29 W=3 5" (3 5" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave | FT/RT=20%(0%)/10(0) | 12.03 04 0326 13 | QTY:3 | FL/-/5/-/-/R/- | Scale = 1875"/Ft.

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

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69282
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024165
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	346486
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - C1 48 3 8 Special)

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

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

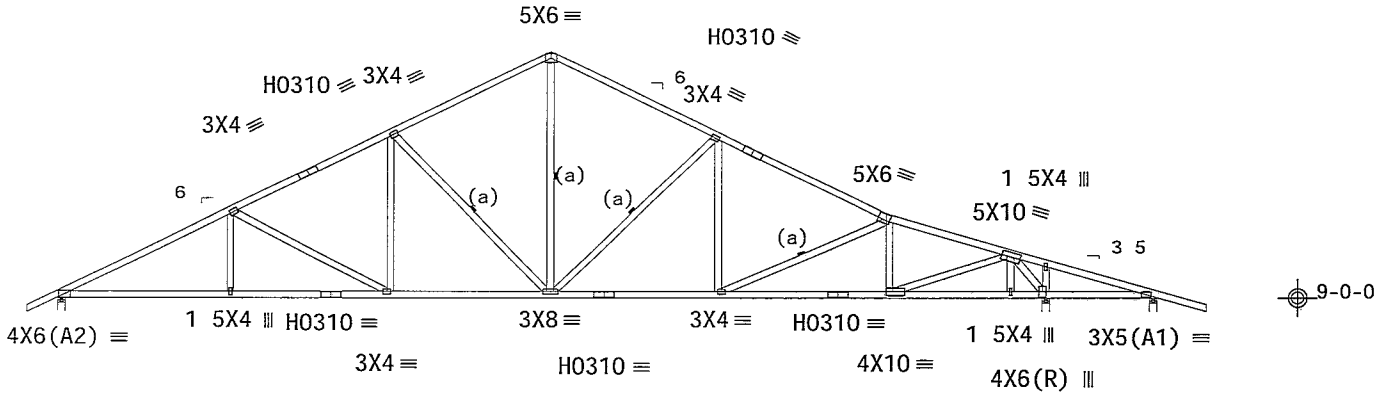
Negative reaction(s) of -385# MAX (See below) from a non-wind load case requires uplift connection

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 C, 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

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



R=1789 U=38 W=4 (4 min)
RL=278/-278

R=2495 U=46 W=4' (4 min)

R=67/-385 Rw=80 U=182 W=4' (4' min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12 03 04 ... 15 QTY:3 FL/-/5/-/-/R/- Scale =.125"/Ft

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69283
TC DL	7 0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024166
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	341713
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - C2 48 3 8 Special)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B B1 2x4 SP 2850f-2 3E
Webs 2x4 SP #3-13B W2, W15 2x4 SP #2-13B

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

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

TC- From	56 plf at	-1 33	to	56 plf at	21 65
TC- From	56 plf at	21 65	to	56 plf at	36 40
TC- From	55 plf at	36 40	to	55 plf at	50 46
BC- From	4 plf at	-1 33	to	4 plf at	0 00
BC- From	20 plf at	0 00	to	20 plf at	0 33
BC- From	120 plf at	0 33	to	120 plf at	11 00
BC- From	20 plf at	11 00	to	20 plf at	30 17
BC- From	20 plf at	30 17	to	20 plf at	48 29
BC- From	4 plf at	48 29	to	4 plf at	50 46

Wind loads and reactions based on MWFRS

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

*** Negative reaction(s) of -483# 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 C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

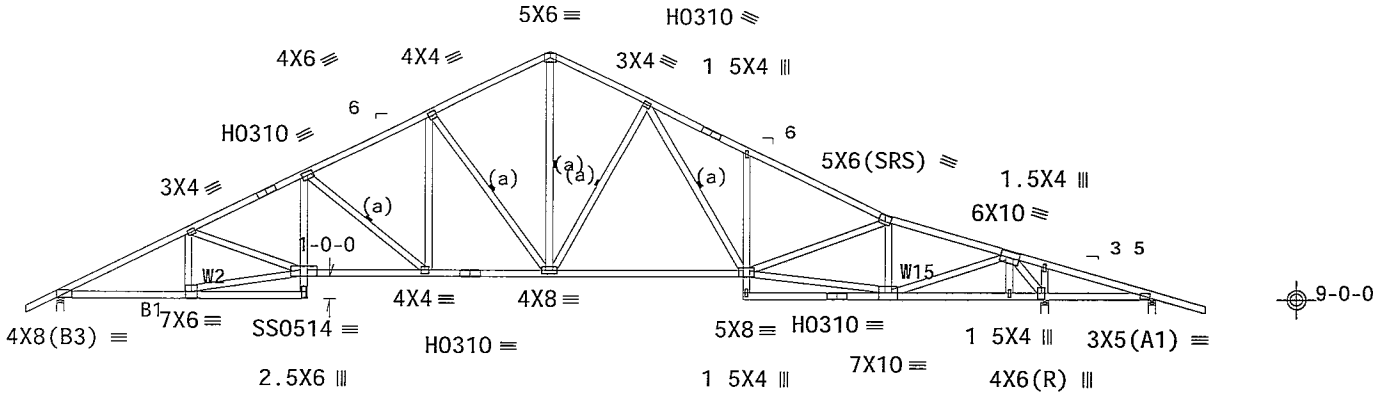
Calculated horizontal deflection is 0 12" due to live load and 0 15" due to dead load

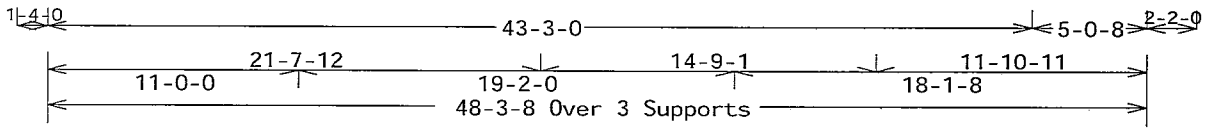
(a) Continuous lateral restraint equally spaced on member

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





R=2576 U=185 W=4 (4' min)
RL=278/-278

R=2669 U=68 W=4 (4 min)

*** R=24/-484 Rw=72 U=220 W=4" (4" min)

PLT TYP 20 Gauge HS,18 Gauge HS, Design Crit FBC2010Res/TPI-2007(STD)
Wave FT/RT=20%(0%)/10(0) 12.03.04 [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 requ re extreme care n fabr cat ng 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 provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shal 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 appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any deviat on from th s desi any fa lure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng shipp 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 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 professional eng neering responsib l ty solely for the des gn shown The su tab l ty and use of this des gn for any structure is 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
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69284
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024203
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD.	37 0 PSF	SEQN-	344216
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - C3 48'3 8 Special)

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

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

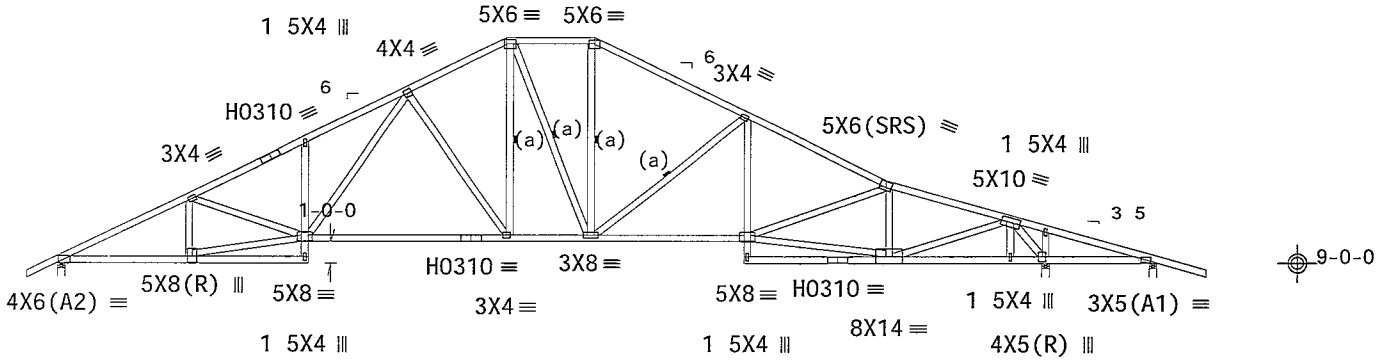
*** Negative reaction(s) of -413# MAX (See below) from a non-wind load case requires uplift connection

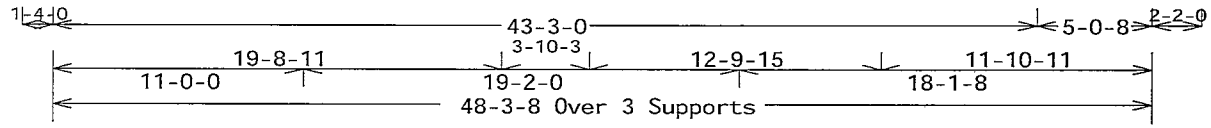
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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





R=1659 U=44 W=4' (4" min)
RL=255/-255

R=2396 U=48 W=4" (4" min)

*** R=80/-413 U=207 W=4" (4" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03 04 [illegible] QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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Trusses require extreme care n fabricat ng handling 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 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 bracing nstalled per BCSI sect ons B3 B7 or B10 as appl cable

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69285
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024167
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT.LD	37 0 PSF	SEQN-	341703
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ1 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

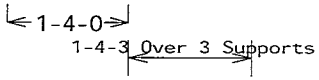
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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=-8 Rw=16 U=16 (1 5" min)

R=16 Rw=18 U=7 (1 5 min)



R=192 U=45 W=4 (4 min)
RL=32/-22

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12 03.04 QTY:2 FL/-/5/-/-/R/- Scale = 5"/Ft

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

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ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from this des gn any fa lure to build the truss in 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 Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate posit ons A seal on th s drawing or cover page listing this draw ng indicates acceptance of profess onal eng neer ng respons b l ty solely for the des gn shown The suitabil ty and use of th s des gn for any structure is the respons b l ty 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 sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69286
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024168
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	340705
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ1A 1 9 8 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

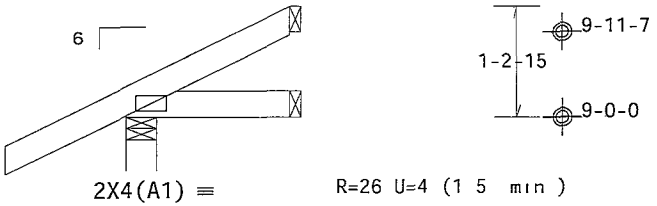
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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=15 U=8 (1 5' min)



R=194 U=39 W=4 (4 min)
RL=38/-23

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03 04 [illegible]13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses require extreme care n fabricat ng 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 practices pr or to perform ng these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shal have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce ng Locat ons shown for permanent latera restraint of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallat on bracing of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Data s unless noted otherwise Refer to drawings 160A-Z for standard plate pos t ons A seal on th s drawing or cover page listing this drawing indicates acceptance of profess onal eng neer ng respons b l ty solely for the design shown The suitabil ty and use of th s des gn 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 sbc ndustry com ICC www ccsafe org

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

01/24/2014

TC LL	20.0 PSF	REF	R9114- 69287
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024169
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340745
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - CJ2 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

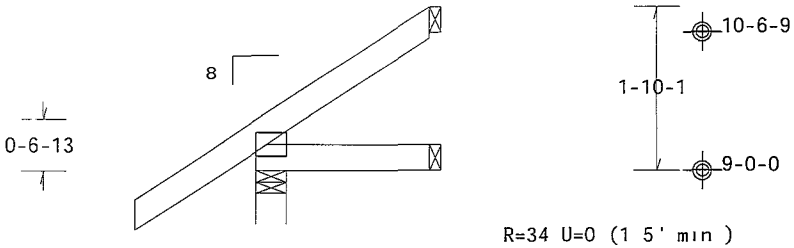
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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

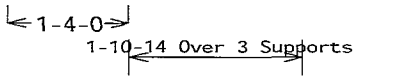
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

R=25 U=17 (1 5 min)



3X4(B2) ≡

R=34 U=0 (1 5' min)



R=190 U=29 W=4 (4" min)
RL=52/-36

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 08:26:13 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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ITW Bu ld ng 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 handl ng sh pping installation brac ng of trusses Apply plates to each face of truss and pos tion 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 th s draw ng or cover page l sting th s draw ng nd cates acceptance of profess onal engineering respons b l ty solely for the des gn shown Tho 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 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
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69288
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024170
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37 0 PSF	SEQN-	340697
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V3B487_Z02

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ2A 1 6 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

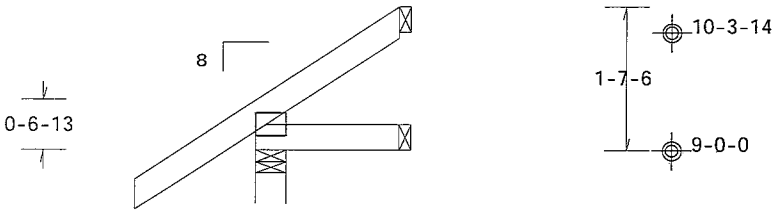
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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

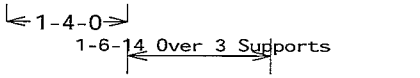
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

R=10 Rw=14 U=11 (1 5 min)



3X4(B2) =

R=27 U=0 (1 5' min)



R=184 U=31 W=4 (4' min)
RL=47/-34

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03 04 0806 13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69289
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024171
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD.	37.0 PSF	SEQN-	340711
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - CJ3 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

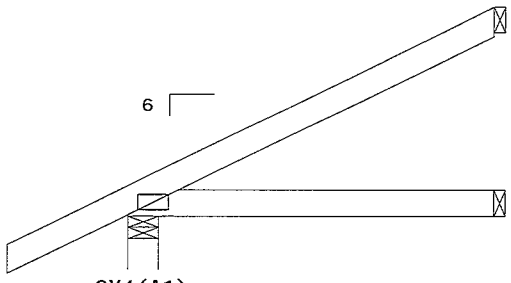
Bottom chord checked for 10 00 psf non-concurrent live load

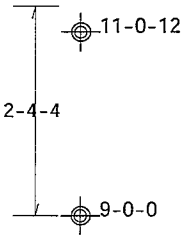
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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=89 U=35 (1 5" min)





R=70 U=0 (1 5' min)

1-4-0

4-0-3 Over 3 Supports

R=255 U=38 W=4 (4 min)
RL=65/-29

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 0806.13 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

01/24/2014

TC LL	20.0 PSF	REF	R9114- 69290
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024172
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD.	37.0 PSF	SEQN-	340733
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ3A 4 5 8 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

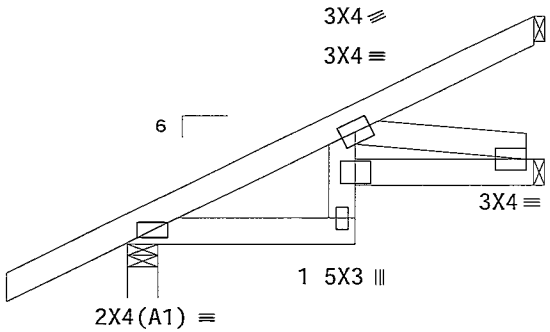
Bottom chord checked for 10 00 psf non-concurrent live load

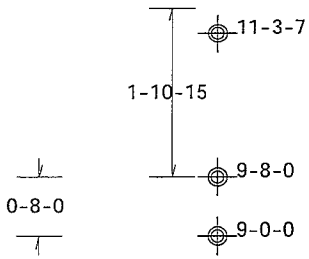
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

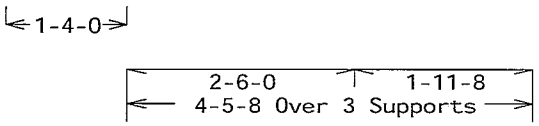
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

R=63 U=23 (1 5" min)





R=90 U=13 (1 5" min)



R=270 U=39 W=4 (4 min)
RL=70/-30

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=20%(0%)/10(0) | 12.03 04 0326 13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricat ng handling sh pp ng insta 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 prior 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 rig d ceiling Locations shown for permanent lateral restra nt of web shall have bracing 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 ation from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallation 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 t ons A seal on this draw ng or cover page listing this draw ng indicates acceptance of profess onal eng neer ng respons b lity solely for the design shown The suitabil 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 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

01/24/2014

TC LL	20.0 PSF	REF	R9114- 69291
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024173
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	340747
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ4 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

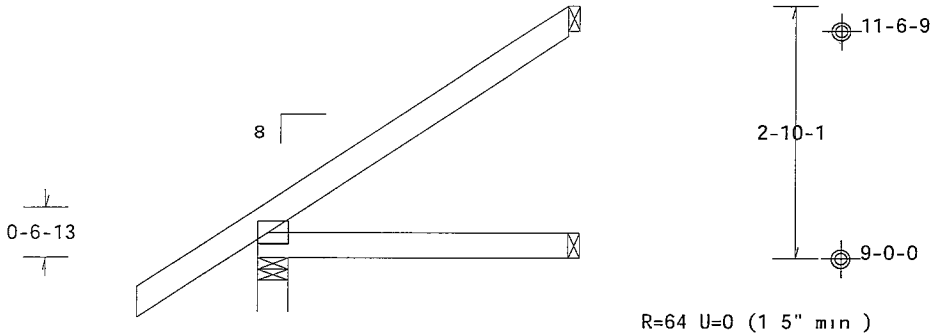
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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

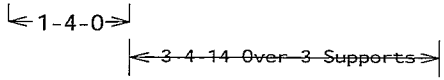
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

R=78 U=40 (1 5 min)



R=64 U=0 (1 5" min)

3X4(B2) ≡



R=233 U=24 W=4 (4' min)
RL=76/-43

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 0336 13 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses require extreme care in fabr cat 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 pract ces prior to performing these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structura sheathing and bottom chord shall have a properly attached r g d ce l ng 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 respons ble for any dev at on from this design any fa lure to build the truss in conformance w th ANSI/TPI 1 or for handl ng sh pping nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Detai s 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 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 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 sbc ndustry com ICC www iccsafe org

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69292
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024174
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD.	37.0 PSF	SEQN-	340727
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ4A 3'0"14 Jack)

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

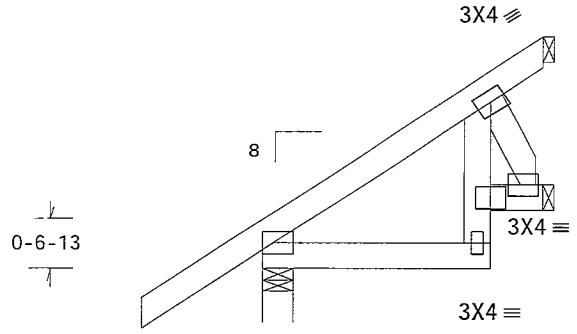
Lumber grades designated with "13B' use design values approved 1/30/2013 by ALSC

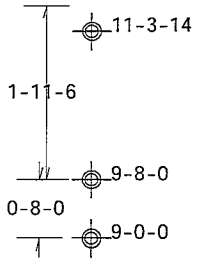
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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=17 U=6 (1 5" min)

R=79 U=29 (1 5" min)

R=222 U=25 W=4' (4" min)
RL=71/-41

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 0326 13 QTY:1 FL/-/5/-/-/R/- Scale = 5"/Ft.

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

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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 in conformance w th ANSI/TPI 1 or for handl ng 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 draw ngs 160A-Z for standard plate posit ons A seal on th draw ng or cover page l st ng this draw ng nd cates acceptance of profess ona 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 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 itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69293
TC DL	7 0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024175
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT.LD.	37 0 PSF	SEQN-	340701
DUR.FAC.	1 25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ5 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

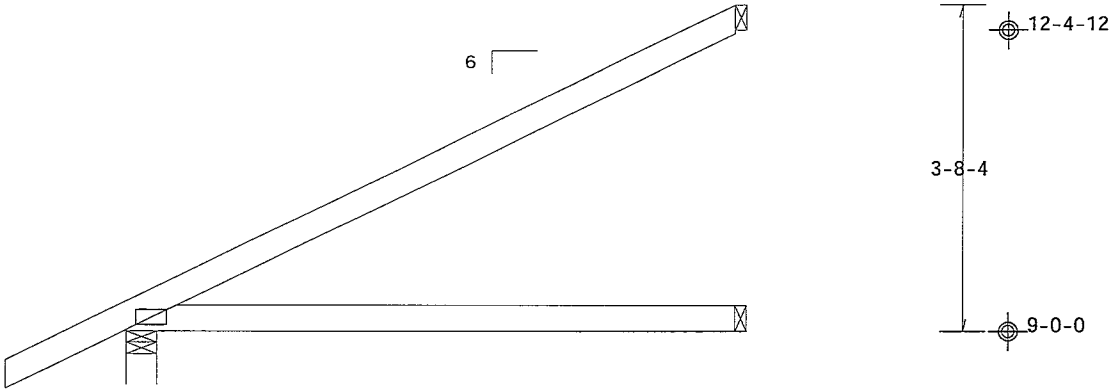
Bottom chord checked for 10 00 psf non-concurrent live load

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 C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

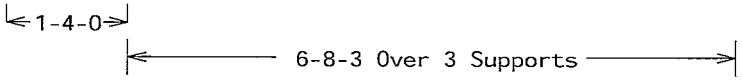
Wind loads and reactions based on MWFRS with additional C&C member design

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

R=161 U=62 (1 5" min)



R=121 U=0 (1 5" min)



R=348 U=45 W=4 (4' min)
RL=97/-36

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 12.03 04 0326 13 QTY:2 FL/-/5/-/-/R/- Scale = 5"/Ft.

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

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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 build 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 Details 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 list ng this draw ng ndicates acceptance of profess onal eng neer ng respons b lity solely for the design shown The suitabil ty and use of th s des gn for any structure s the respons b lity of the Build ng Des gner 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

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01/24/2014

TC LL	20 0 PSF	REF	R9114- 69294
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10 0 PSF	DRW	HCUSR9114 14024176
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT.LD	37 0 PSF	SEQN-	340673
DUR FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - CJ5A 7 1 8 Jack)

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

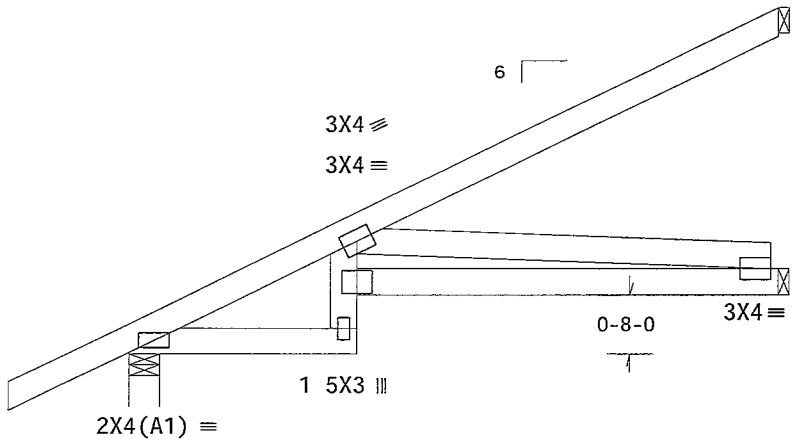
Lumber grades designated with "13B use design values approved 1/30/2013 by ALSC

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

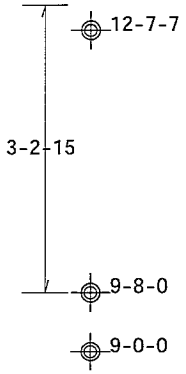
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

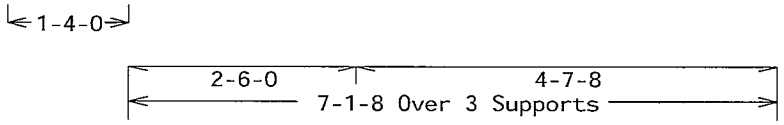
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



R=125 U=48 (1 5" min)



R=149 U=14 (1 5" min)



R=365 U=45 W=4 (4 min)
RL=103/-37

Design Crit FBC2010Res/TPI-2007(STD)

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

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

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01/24/2014

TC LL	20 0 PSF	REF	R9114- 69295
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024177
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	340693
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ6 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

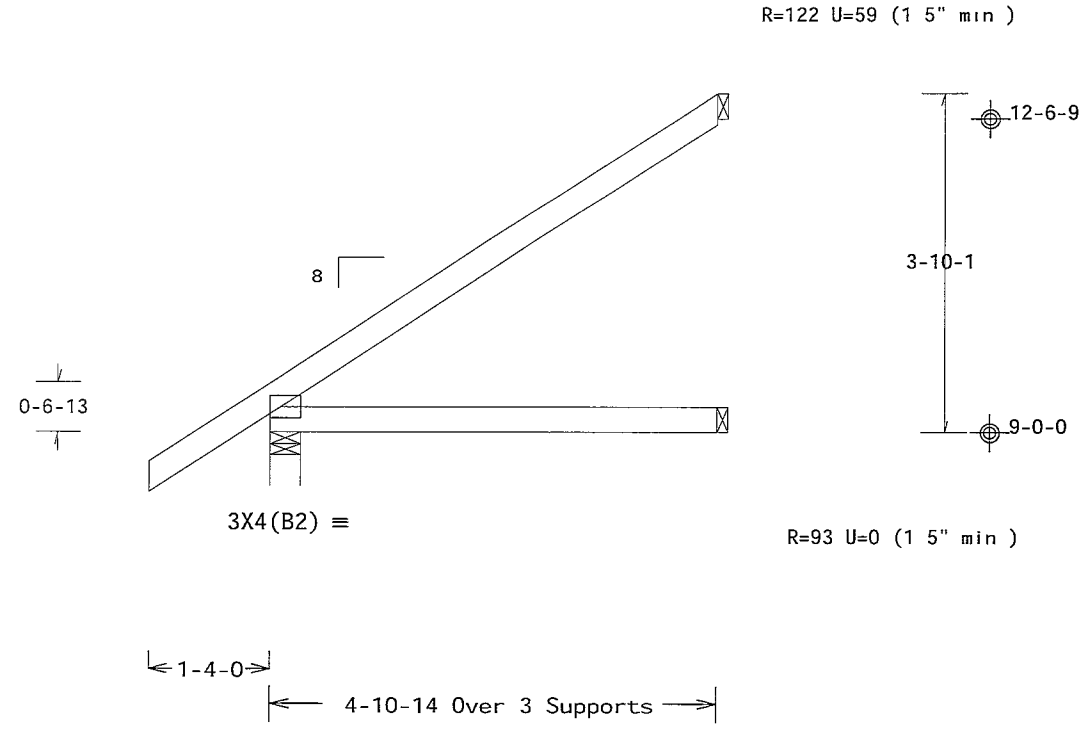
Bottom chord checked for 10 00 psf non-concurrent live load

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 C, 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 26 8 QTY:2 FL/-/5/-/-/R/- Scale = 5"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20 0 PSF	REF	R9114- 69296
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024178
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340665
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ6A 4 6 14 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

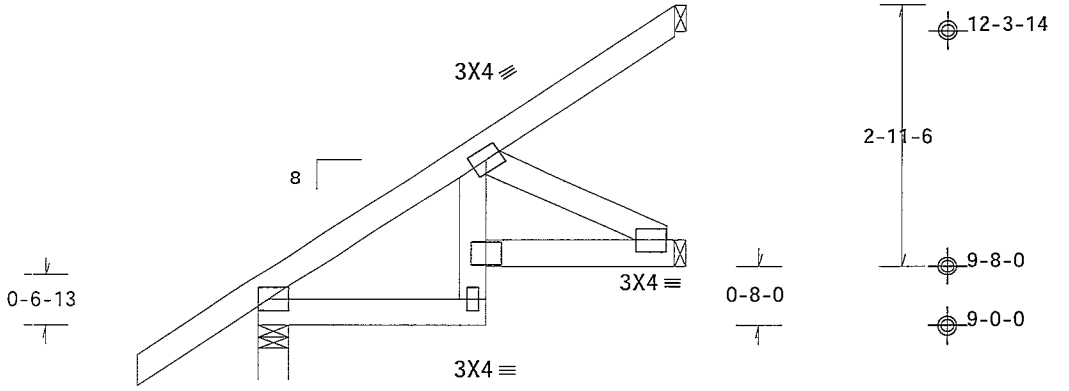
MWFRS loads based on trusses located at least 7 50 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP C, 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=60 U=25 (1 5" min)



R=102 U=24 (1 5" min)

1-4-0

2-6-0 | 2-0-14
4-6-14 Over 3 Supports

R=273 U=24 W=4 (4 min)
RL=95/-49

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=20%(0%)/10(0) | 12 03 04 0336 13 | QTY:1 | FL/-/5/-/-/R/- | Scale = 5"/Ft

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Orlando FL, 32837
FL COA #0 278

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

01/24/2014

TC LL	20.0 PSF	REF	R9114- 69297
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10 0 PSF	DRW	HCUSR9114 14024179
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340739
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_ZO2

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ8 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

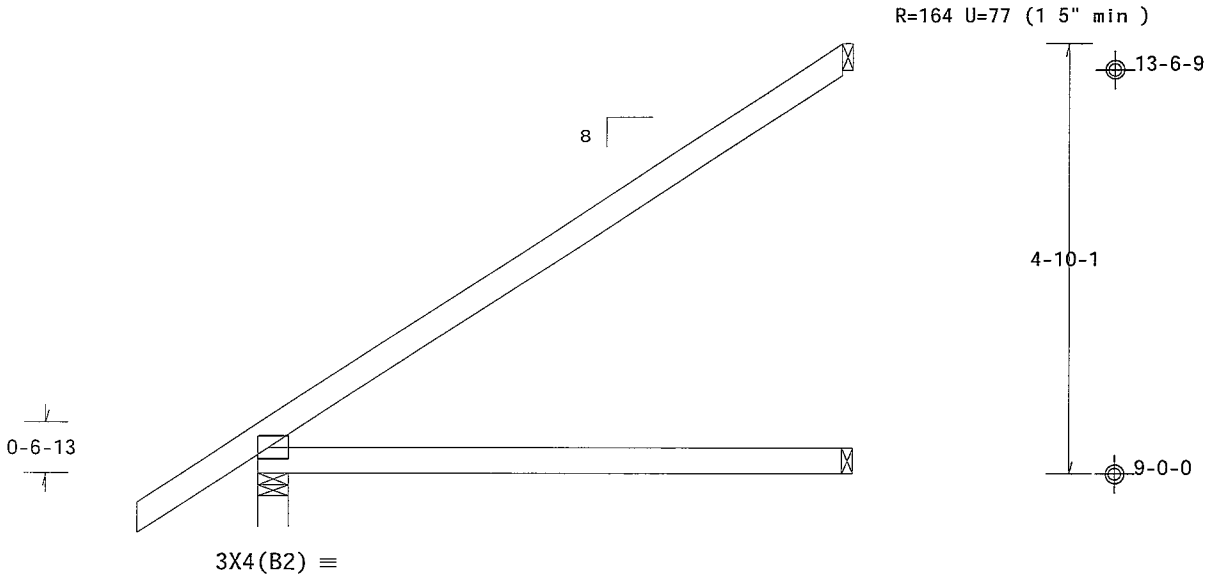
Bottom chord checked for 10 00 psf non-concurrent live load

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 C, 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 0336 13 QTY:1 FL/-/5/-/-/R/- Scale = 5"/Ft.

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

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

01/24/2014

TC LL	20.0 PSF	REF	R9114- 69298
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024180
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340663
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - CJ8A 6 0 14 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

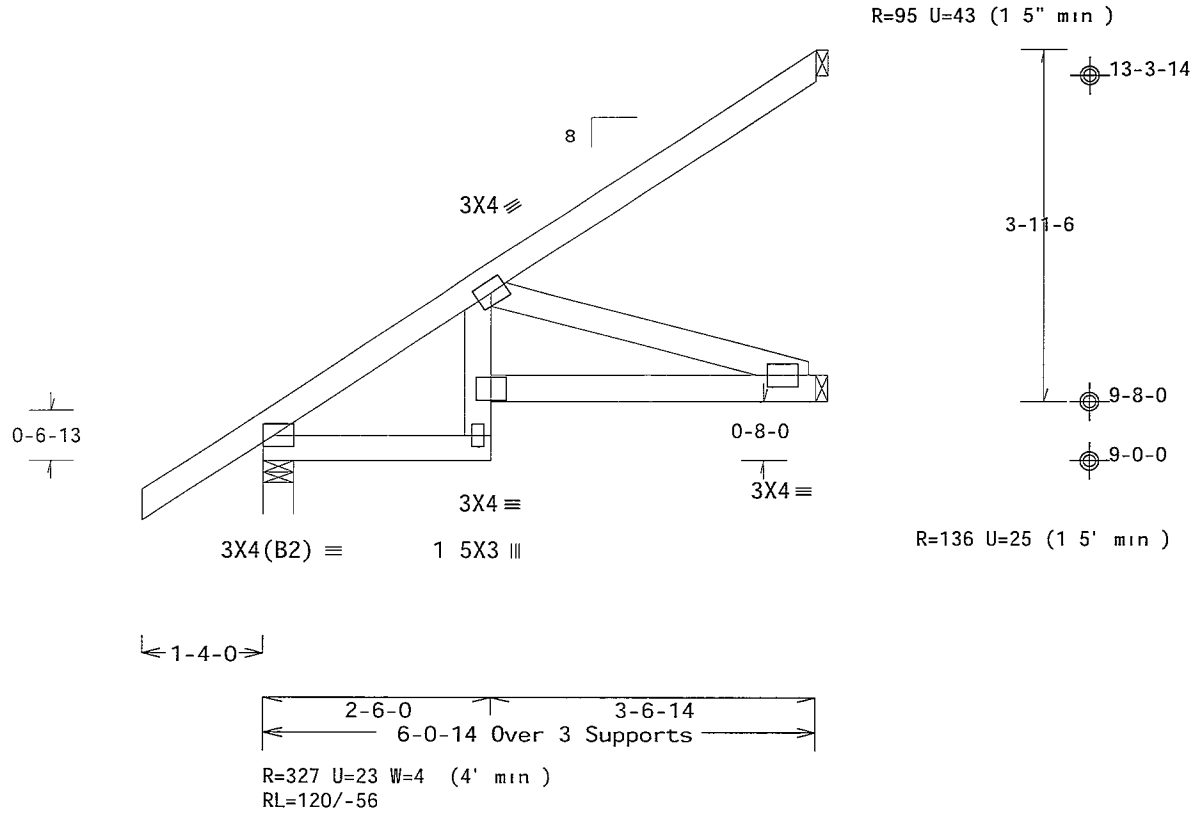
Bottom chord checked for 10 00 psf non-concurrent live load

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 C, 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]43 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69299
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024181
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340677
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - EJ7 7 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

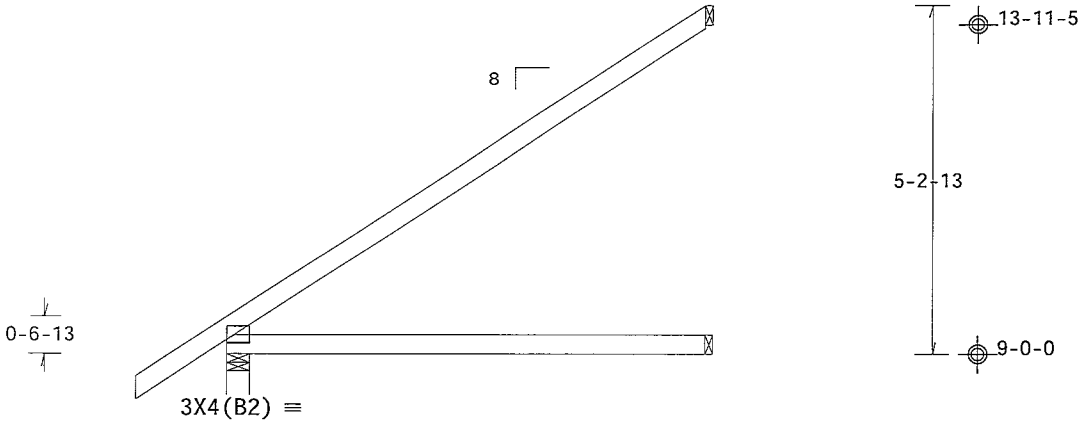
MWFRS loads based on trusses located at least 7 50 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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=180 U=84 (1 5" min)



R=133 U=0 (1 5" min)

1-4-0

7-0-0 Over 3 Supports

R=362 U=23 W=4 (4 min)
RL=135/-60

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 [illegible] QTY:8 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

01/24/2014

TC LL	20.0 PSF	REF	R9114- 69300
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024182
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340661
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - EJ7A 7 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

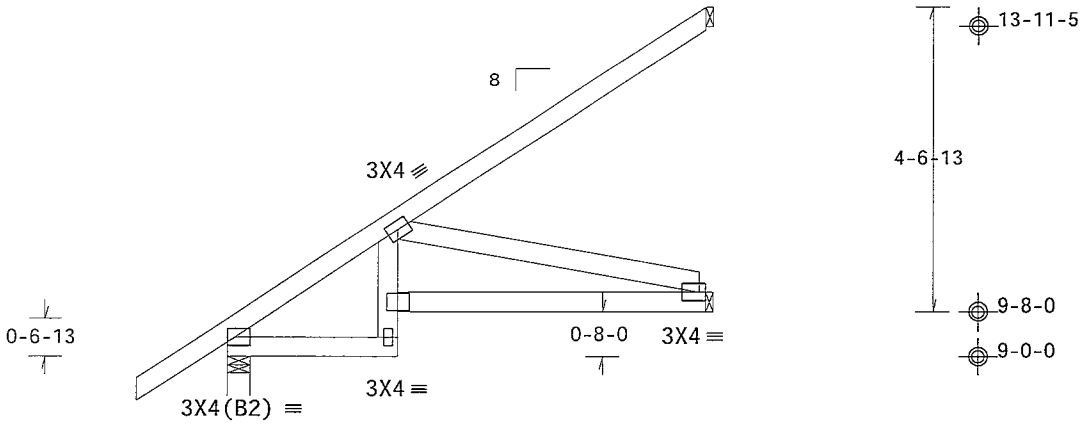
MWFRS loads based on trusses located at least 7 50 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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=117 U=53 (1 5' min)



R=156 U=25 (1 5" min)

R=362 U=23 W=4 (4" min)
RL=135/-61

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 [illegible]6p1 QTY:4 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69301
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024183
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340669
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - EJ7B 6 8' End Jack)

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

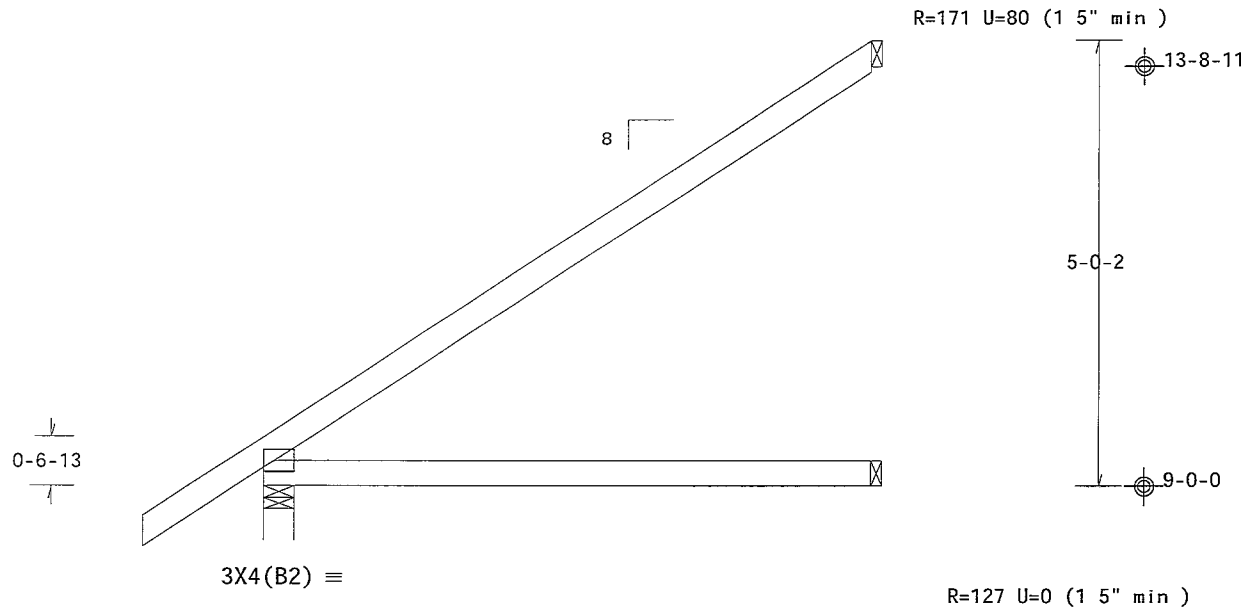
Lumber grades designated with 13B' use design values approved 1/30/2013 by ALSC

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, 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:15 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69302
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024184
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	340653
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - EJ7C 6 5 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

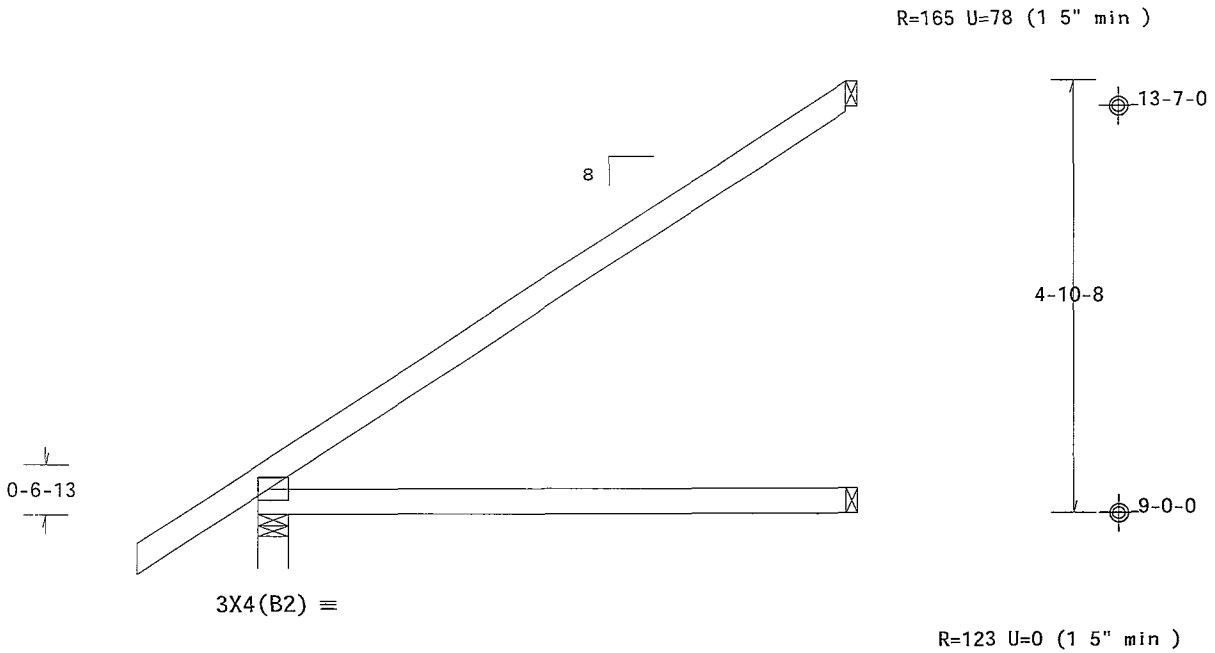
Bottom chord checked for 10 00 psf non-concurrent live load

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 C, 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 0886 13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

01/24/2014

TC LL	20.0 PSF	REF	R9114- 69303
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024185
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340655
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - H7 39 11 8 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 a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees

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 C, 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

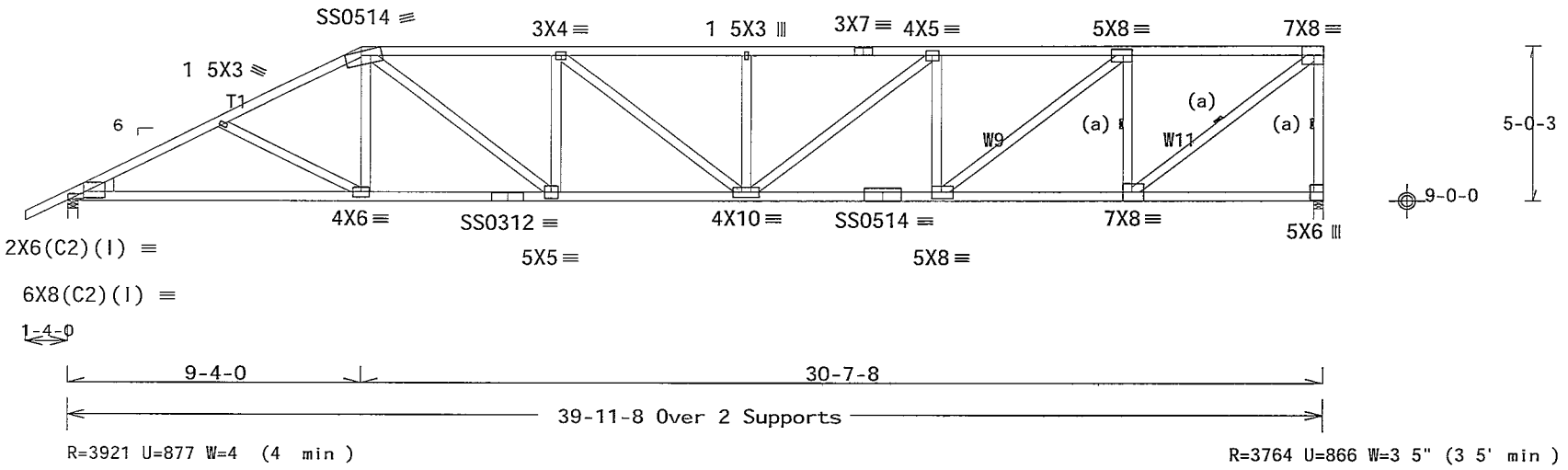
Calculated vertical deflection is 0 49' due to live load and 0 63 due to dead load at X = 21-7-6

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 9 33
TC- From 28 plf at 9 33 to 28 plf at 37 40
TC- From 56 plf at 37 40 to 56 plf at 39 96
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 37 40
BC- From 20 plf at 37 40 to 20 plf at 39 96
TC- 170 86 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
BC- 1309 57 lb Conc Load at 9 36
BC- 126 54 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

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 0326 13 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

01/24/2014

TC LL	20.0 PSF	REF	R9114- 69304
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024204
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	346476
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - H7A 33 3 8 Mono Hip Girder)

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

Top chord 2x4 SP #1 T1 2x4 SP 2850f-2 3E
Bot chord 2x4 SP 2850f-2 3E B3 B4 2x4 SP #1
Webs 2x4 SP #3 W2 W18 2x4 SP #2
W11 2x4 SP #1

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 78
TC From 28 plf at 9 78 to 28 plf at 23 78
TC- From 28 plf at 23 78 to 28 plf at 33 29
BC- From 4 plf at -1 33 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 2 50
BC- From 20 plf at 2 50 to 20 plf at 9 81
BC- From 10 plf at 9 81 to 10 plf at 16 00
BC- From 10 plf at 16 00 to 10 plf at 24 46
BC- From 10 plf at 24 46 to 10 plf at 33 29
TC 116 99 lb Conc Load at 9 84 11 84 13 84 15 84
TC- 179 87 lb Conc Load at 17 84 19 84,21 84 23 84
25 84 27 84 29 84 31 84
BC- 1188 89 lb Conc Load at 9 81
BC- 156 08 lb Conc Load at 11 84 13 84 15 84
BC- 132 92 lb Conc Load at 17 84 19 84 21 84 23 84
25 84 27 84 29 84 31 84

(++) - This plate works for both joints covered

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 128 x3 min nails
Top Chord 1 Row @12 00 o c
Bot Chord 1 Row @12 00 o c
Webs 1 Row @ 4 o c
Use equal spacing between rows and stagger nails
in each row to avoid splitting

(**) 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 9 00 ft from roof edge RISK CAT II EXP C wind TC DL=3 5 psf wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

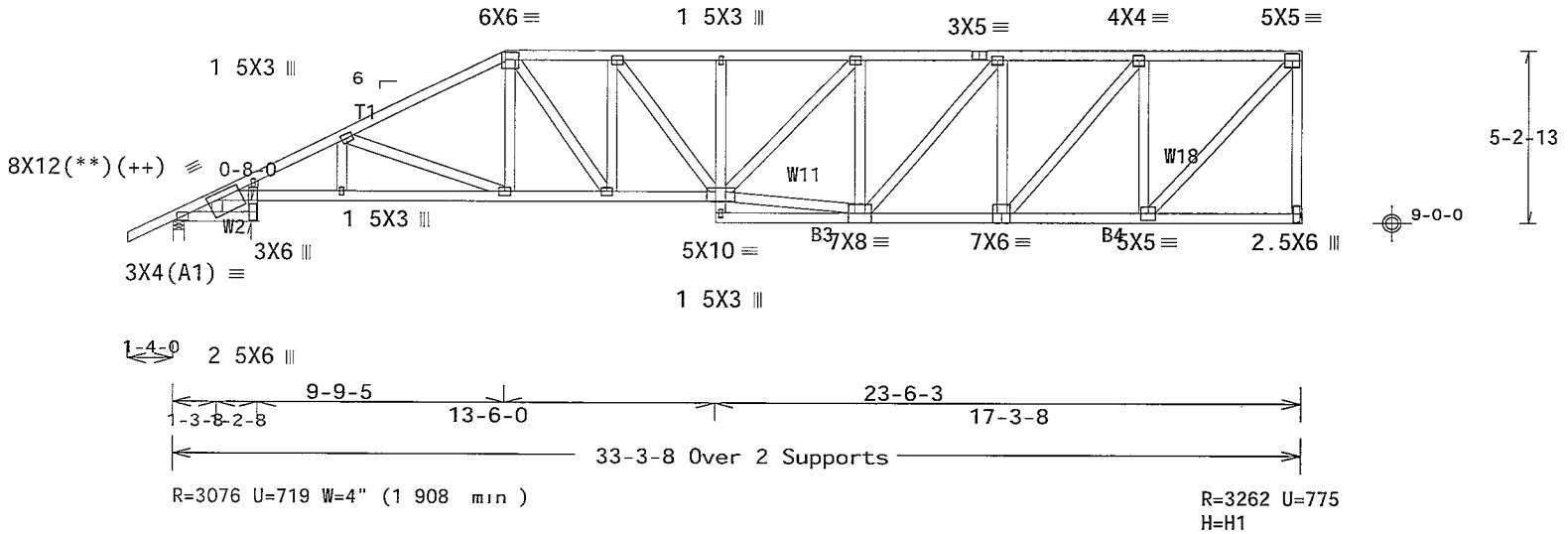
Right end vertical not exposed to wind pressure

Calculated horizontal deflection is 0 14 due to live load and 0 17 due to dead load

Hanger support required by others

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



Note All Plates Are 3X4 Except As Shown

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 13.02 00 0926 18 QTY:1 FL/-/5/-/-/R/- Scale = 1875"/Ft

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

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

01/24/2014

TC LL	20 0 PSF	REF	R9114- 69305
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024205
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37.0 PSF	SEQN-	7814 REV
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - HJ7 11 7 7 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, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

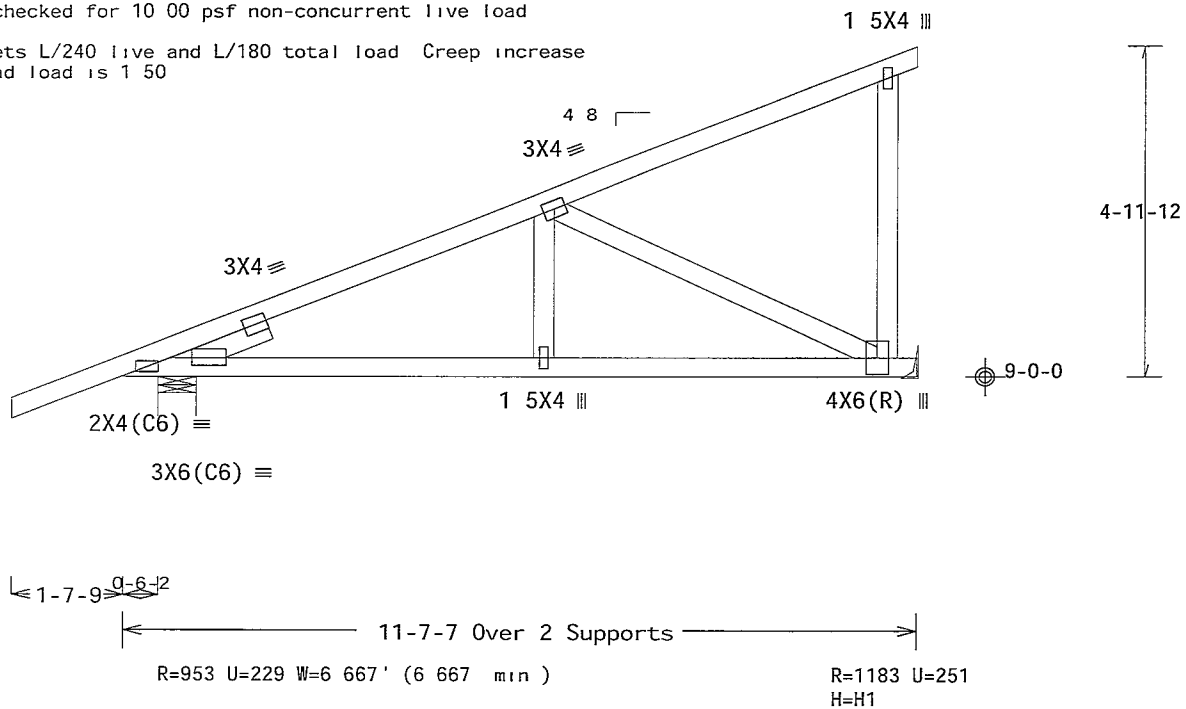
Left cantilever is exposed to wind

(J) Hanger Support Required, by others

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 63 to 55 plf at 11 62
BC- From 4 plf at -1 63 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 11 62
TC- -1 45 lb Conc Load at 1 68
TC- 25 46 lb Conc Load at 3 77
TC- 88 72 lb Conc Load at 5 02
TC- 78 11 lb Conc Load at 6 27
TC- 160 79 lb Conc Load at 8 35
TC- 122 21 lb Conc Load at 8 77
TC- 163 75 lb Conc Load at 11 27
BC- 16 25 lb Conc Load at 1 68
BC- 34 02 lb Conc Load at 3 77
BC- 69 79 lb Conc Load at 5 02
BC- 63 62 lb Conc Load at 6 27
BC- 120 66 lb Conc Load at 8 35,11 27
BC- 92 69 lb Conc Load at 8 77



1-7-9 0-6-12

11-7-7 Over 2 Supports

R=953 U=229 W=6 667' (6 667 min)

R=1183 U=251
H=H1

Design Crit FBC2010Res/TPI-2007(STD)
PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 [illegible]13 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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WALTER P FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL 20.0 PSF	REF R9114- 69306
TC DL 7.0 PSF	DATE 01/24/14
BC DL 10.0 PSF	DRW HCUSR9114 14024206
BC LL 0.0 PSF	HC-ENG JB/WPF
TOT.LD. 37 0 PSF	SEQN- 341345
DUR.FAC. 1.25	FROM JMW
SPACING 24.0"	JREF- 1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - HJ7A 12 2 2 Hip Jack Girder)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B W1 2x6 SP #2-13B
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 Located anywhere in roof RISK CAT II EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

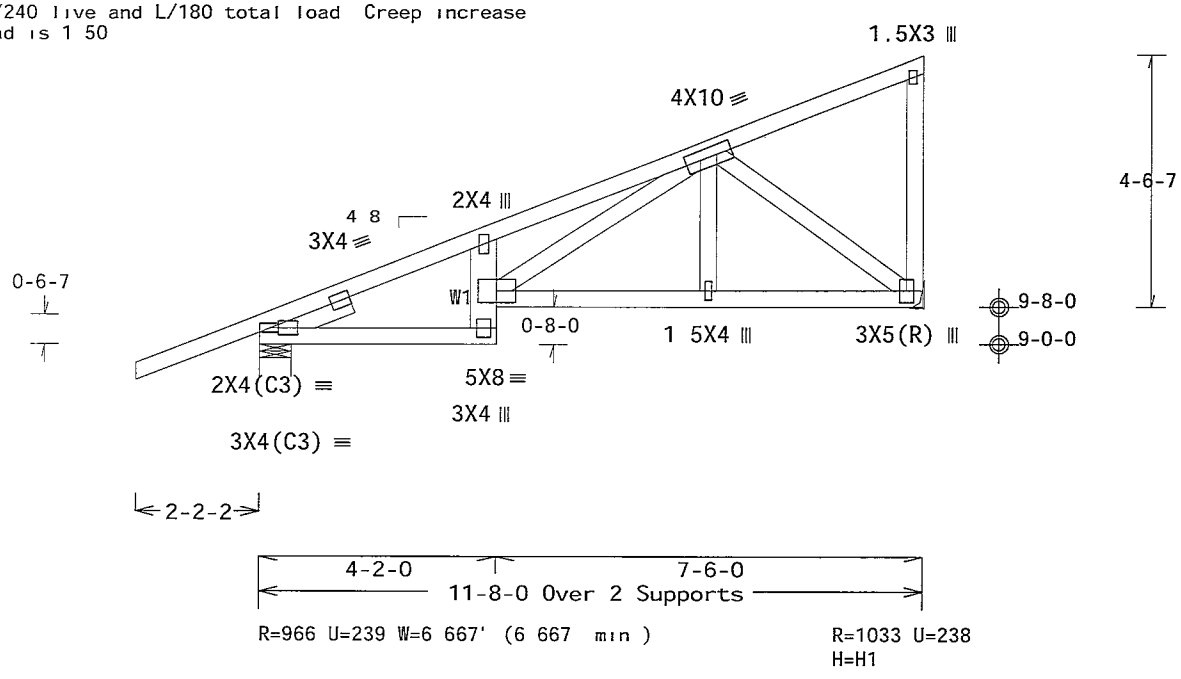
Right end vertical not exposed to wind pressure

(J) Hanger Support Required, by others

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 67
BC- From 4 plf at -1 67 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 4 17
BC- From 20 plf at 4 17 to 20 plf at 11 67
TC- 15 37 lb Conc Load at 1 73
TC- 10 15 lb Conc Load at 2 70
TC- 62 57 lb Conc Load at 5 06
TC- 17 08 lb Conc Load at 5 20
TC- 60 07 lb Conc Load at 7 70
TC- 124 99 lb Conc Load at 8 40
TC- 95 10 lb Conc Load at 10 20
BC- 25 69 lb Conc Load at 1 73
BC- 27 28 lb Conc Load at 2 70
BC- 90 31 lb Conc Load at 5 06
BC- 79 11 lb Conc Load at 5 20
BC- 101 81 lb Conc Load at 7 70
BC- 148 94 lb Conc. Load at 8 40
BC- 135 69 lb Conc Load at 10 20



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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69307
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024196
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340820
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - HJ7B 11 3 4 Hip Jack Girder)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
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, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

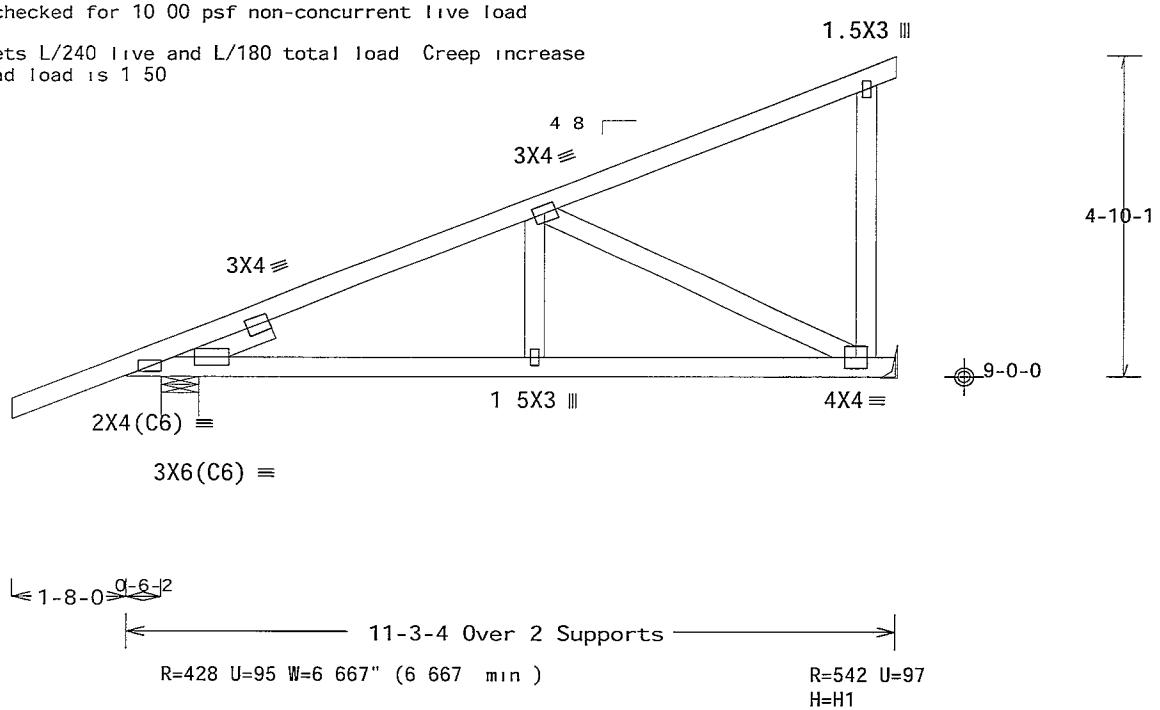
Left cantilever is exposed to wind

(J) Hanger Support Required, by others

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 0 plf at -1 67 to 55 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 11 27
BC- From 0 plf at -1 67 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 11 27
TC- -1 45 lb Conc Load at 1.68
TC- 25 46 lb Conc Load at 3 77
TC- 88 72 lb Conc Load at 5 02
TC- 78 11 lb Conc Load at 6.27
TC- 160 79 lb Conc Load at 8 35
TC- 122 21 lb Conc Load at 8 77
BC- 16 25 lb Conc Load at 1 68
BC- 34 02 lb Conc Load at 3 77
BC- 69 79 lb Conc Load at 5 02
BC- 63 62 lb Conc Load at 6.27
BC- 120 66 lb Conc Load at 8 35
BC- 92 69 lb Conc Load at 8 77



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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69308
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024197
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37 0 PSF	SEQN-	341348
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - H9 39 11 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

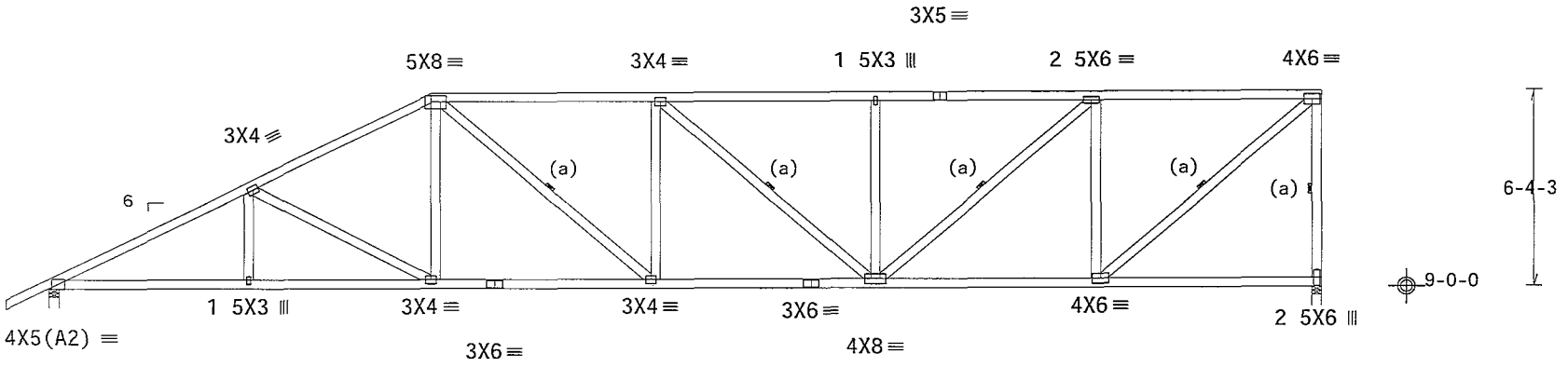
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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 C, 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=1599 U=265 W=4' (4" min)
RL=162/-60

R=1504 U=271 W=3 5" (3 5" min)

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69309
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024186
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	346482
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H9A 33 3 8 Mono Hip)

Top chord 2x4 SP #1-13B T1 2x4 SP M-30
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B W1, W2 2x4 SP #2-13B

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

(H1) = (J) Special hanger required (2)2x6 SP M-26 supporting member

(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

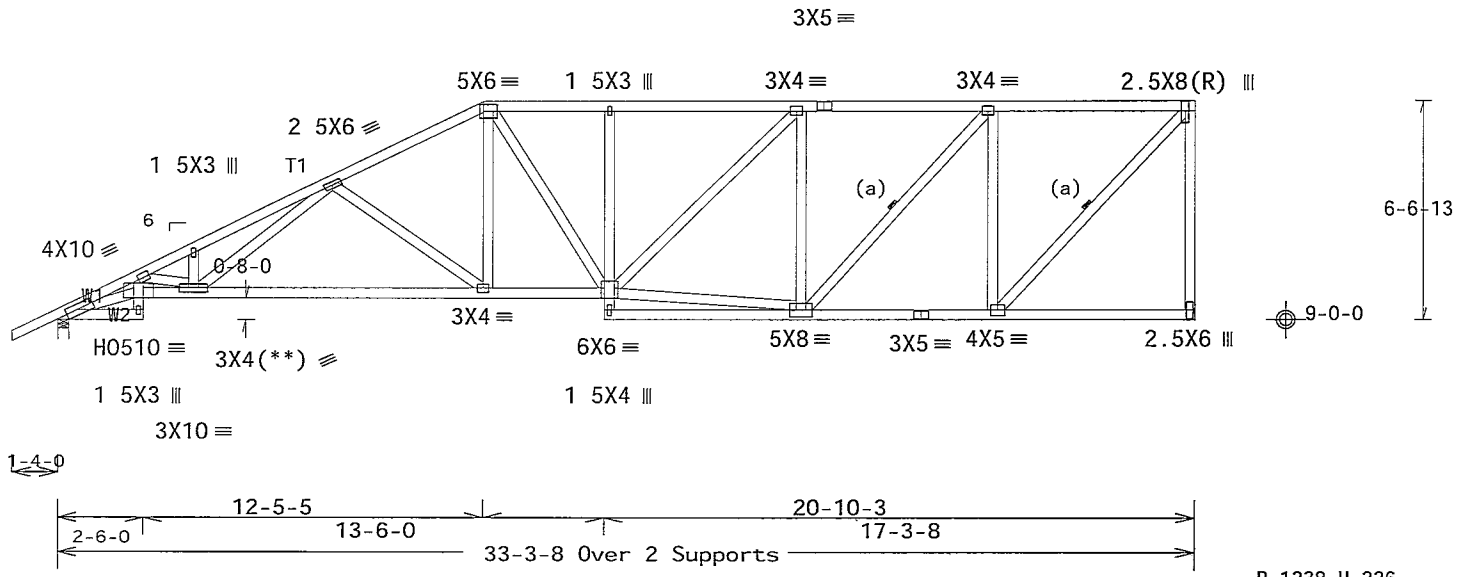
(**) 1 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, 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=1361 U=219 W=4' (4" min)
RL=168/-56

R=1238 U=226
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04 [illegible]43 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviat on from th s des gn any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for hand ng sh pp ng installation brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Data is 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 sting th s draw ng nd cates acceptance of profess onal eng neer ng responsib l ty solely for the design shown The su tab l ty and use of this des gn for any structure is 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 sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69310
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024187
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	341526
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H11 39 11 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

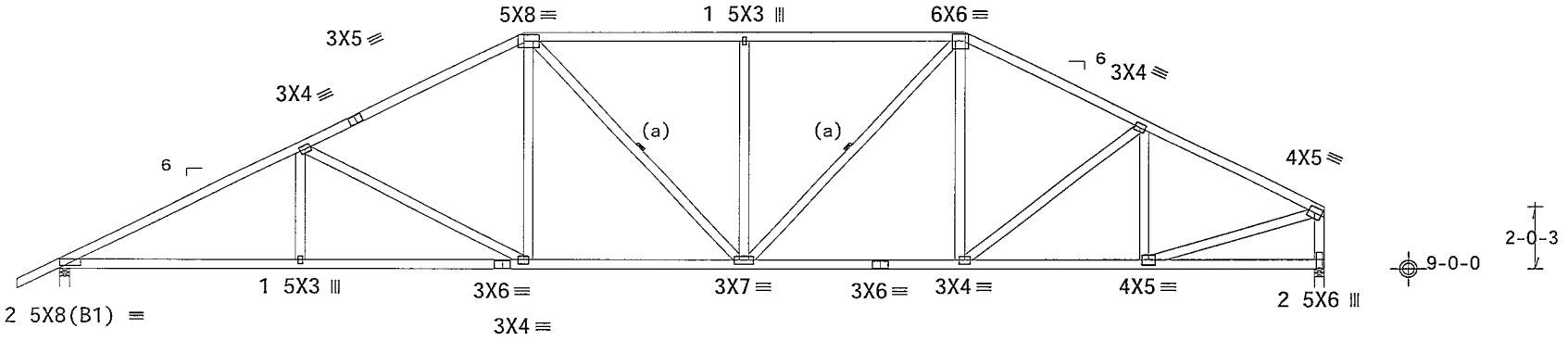
MWFRS loads based on trusses located at least 7 50 ft from roof edge

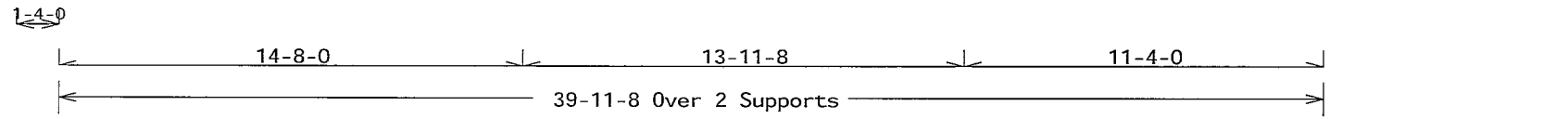
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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=1599 U=273 W=4 (4" min)
RL=168/-160

R=1504 U=251 W=3 5" (3 5" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12 03 04 [illegible]43 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
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Trusses requ re extreme care n fabr cat ng hand ng sh pp ng nstall ng and bracing Refer to and follow the latest edit on of BCSI (Bu d ng Component Safety Information by TPI and WTCA) for safety pract ces pr or to performing 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 rig 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 lding Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from this des gn any fa lure to build 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 s draw ng or cover page l st ng this draw ng nd cates acceptance of profess ona eng neer ng respons b l ty 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 Build ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on 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
01/24/2014

TC LL	20.0 PSF	REF	R9114- 69311
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024188
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	346478
DUR.FAC	1 25	FROM	JMW
SPACING	24 0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H11A 33'3"8 Mono Hip)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B W1, W2 2x4 SP #2-13B

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

(H1) = (J) Special hanger required (2)2x6 SP M-26 supporting member

(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

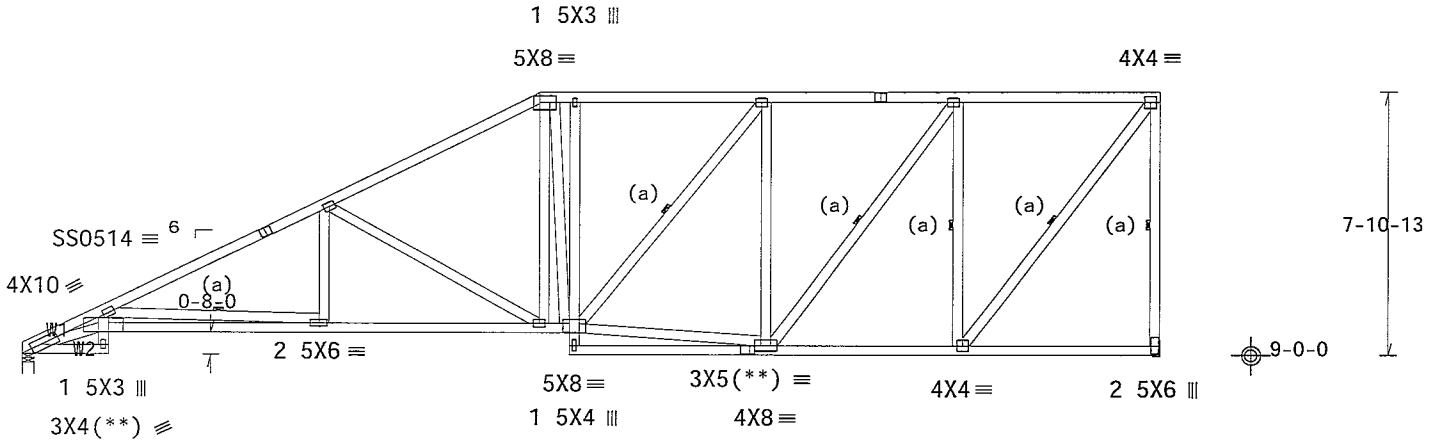
(**) 2 plate(s) require special positioning Refer to scaled plate plot details for special positioning requirements

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, 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=1241 U=185 W=4 (4' min)
RL=179/-44

R=1241 U=233
H=H1

Note All Plates Are 3X4 Except As Shown

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS Wave FT/RT=20%(0%)/10(0) 12.03 04 0806 13 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
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Trusses require extreme care n fabr cat ng hand l ng sh pp ng nstall ng and brac ng Refer to and follow the latest edition of BCSI (Bu ld ng Component Safety !nformat on by TPI and WTCA) for safety pract ces prior to performing these funct ons !nstallers 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 ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng nstalled per BCSI sections B3 B7 or B10 as appl cab e

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from this design any fa lure to bu ld the truss n conformance w th ANSI/TPI 1 or for hand 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 Z for standard p ate pos t ons A seal on th draw ng or cover page l sting th s drawing nd cates acceptance of profess ona 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 b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more nformat on see This job s general notes page !TW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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01/24/2014

TC LL	20 0 PSF	REF	R9114- 69312
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024189
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT.LD	37.0 PSF	SEQN-	341471
DUR FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H13 39 11"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

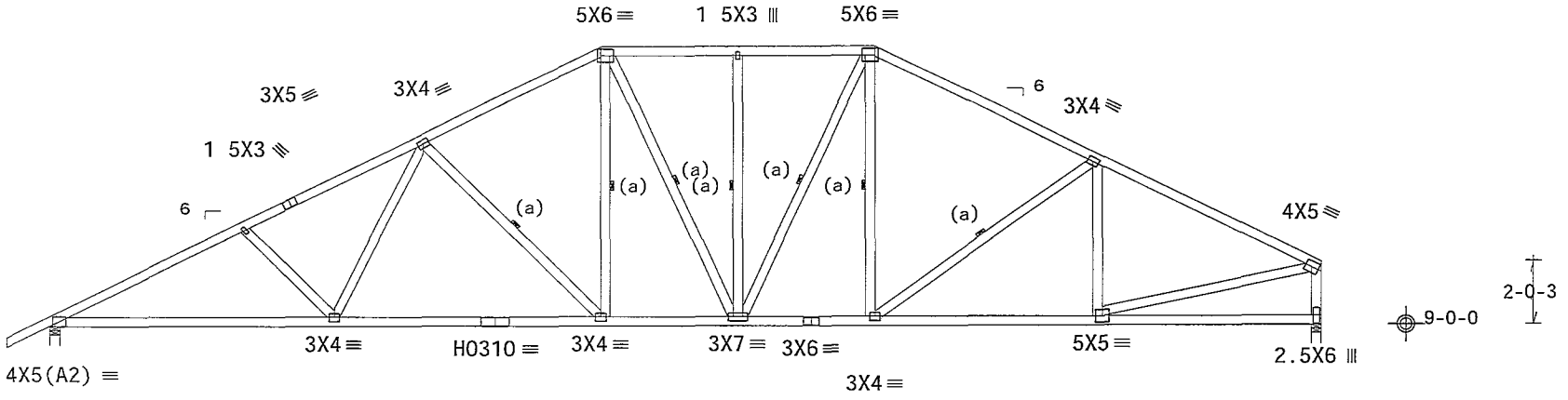
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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 C, 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 0336 13 QTY:1 FL/-/5/-/-/R/- Scale = 1875"/Ft.

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

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Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nsta l ng and bracing Refor to an 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 Un ess noted otherw se top chord sha l have proper y attached structura sheath ng and bottom chord sha 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

!TW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviat on from th s design any fa lure to bu ld the truss in conformance w th ANSI/TPI 1 or for handl ng shipp 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 ind cates acceptance of profess onal eng neer ng respons b lity solely for the design shown The suitab l ty and use of th s des gn for any structure s the responsibility of the Building Des gner per ANSI/TPI 1 Sec 2 For more nformation see This job s general notes page !TW BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

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01/24/2014

TC LL	20 0 PSF	REF	R9114- 69313
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024190
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37 0 PSF	SEQN-	346474
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - H13A 33 3'8 Mono Hip)

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

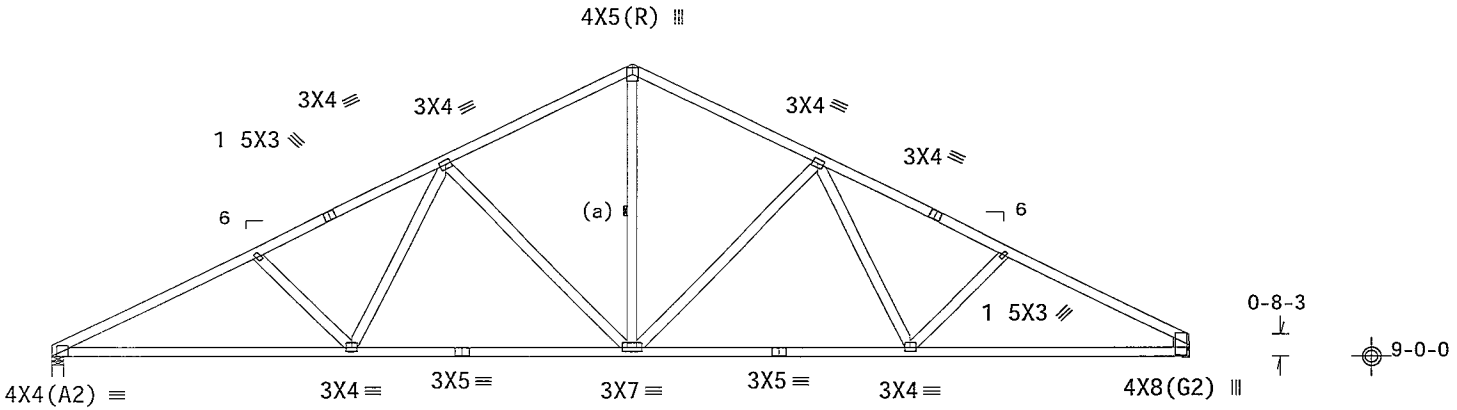
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

(H1) = (J) Special hanger required (2)2x6 SP M-26 supporting member

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



16-11-12 | 16-3-12

33-3-8 Over 2 Supports

R=1265 U=204 W=4 (4 min)
RL=186/-183

R=1254 U=203
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=20%(0%)/10(0) | 12 03 04 0326 13 | QTY:1 | FL/-/5/-/-/R/- | Scale = 1875"/Ft.

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

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69314
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024191
BC LL	0 0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	341461
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H15 39 11 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

(a) Continuous lateral restraint equally spaced on member

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

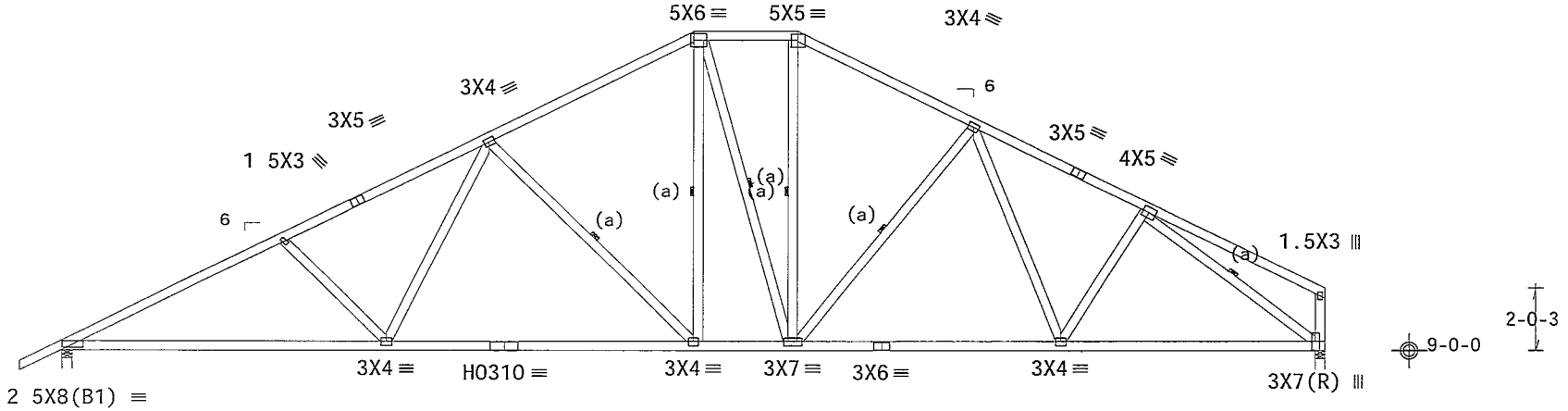
MWFRS loads based on trusses located at least 15 00 ft from roof edge

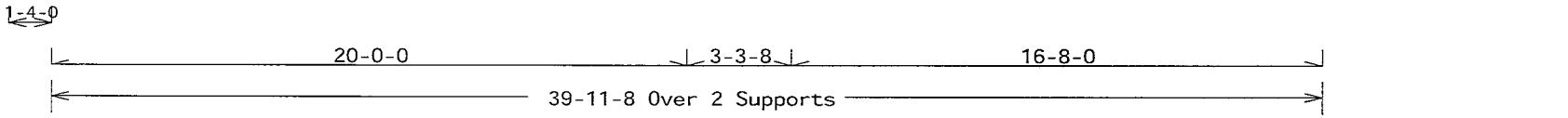
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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=1599 U=44 W=4 (4' min)
RL=230/-222

R=1504 U=30 W=3 5' (3 5" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave | FT/RT=20%(0%)/10(0) | 12.03.04 0326 13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.1875"/Ft

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

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ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for hand ng sh pp ng installat on & brac ng of trusses Apply plates to each face of truss and position 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 th draw ng or cover page listing this draw ng ndicates acceptance of profess onal eng neer ng respons bility 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 nformation 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

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01/24/2014

TC LL	20 0 PSF	REF	R9114- 69315
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024192
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	346480
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H15A 31 11 Mono Hip)

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

(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

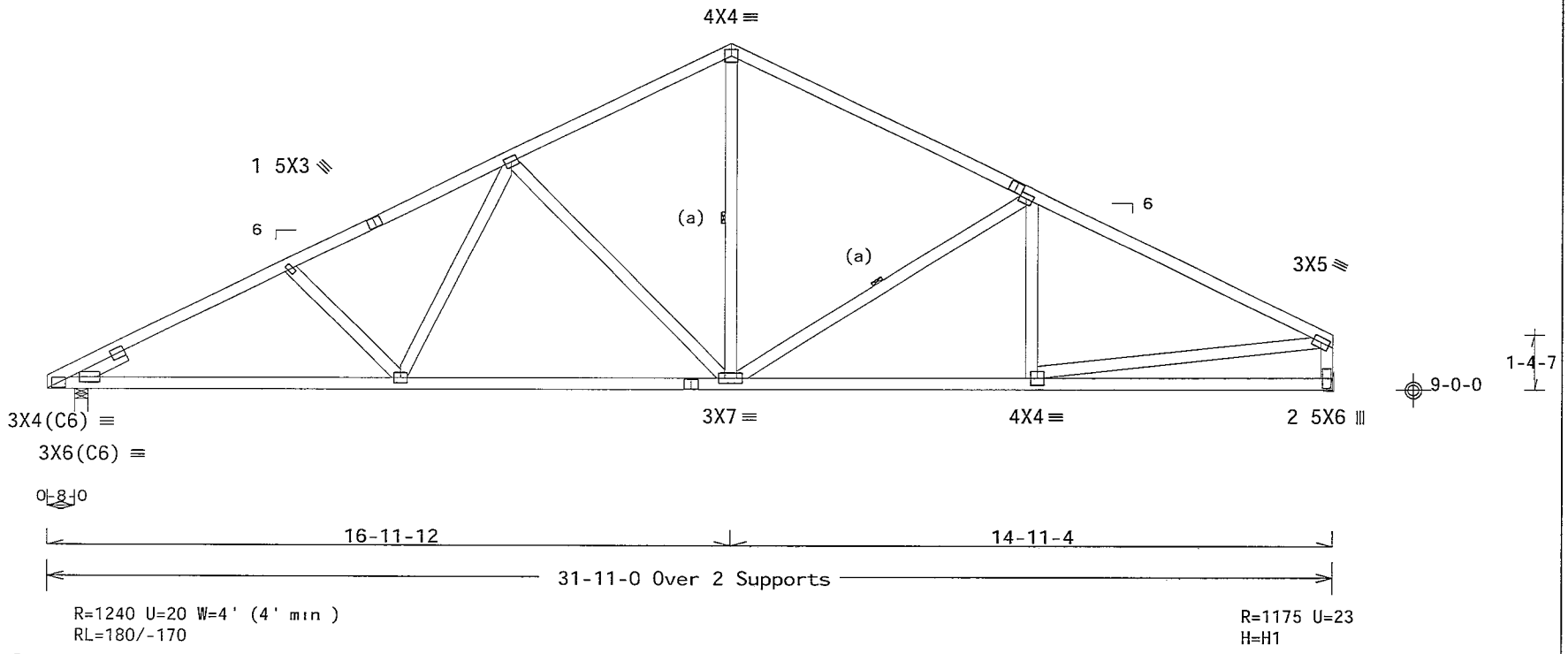
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Left cantilever is exposed to wind

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



Note All Plates Are 3X4 Except As Shown

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12 03 04 [illegible]13 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69316
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024193
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	346452
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City FL - H17A 41 3' Mono Hip Girder)

Top chord 2x4 SP #1-13B T2 2x4 SP M-30
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

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

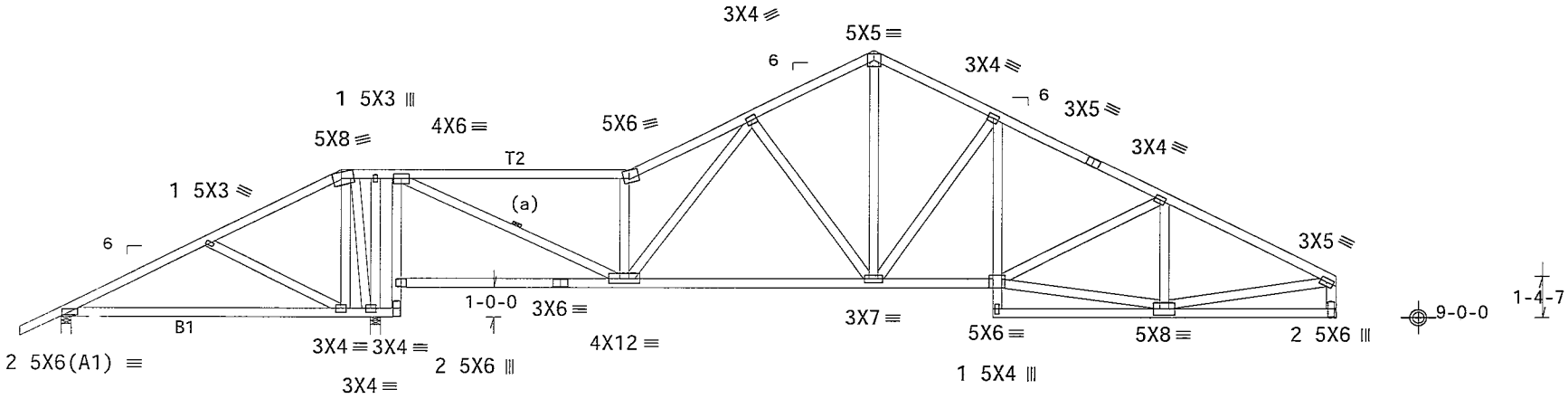
Wind loads and reactions based on MWFRS

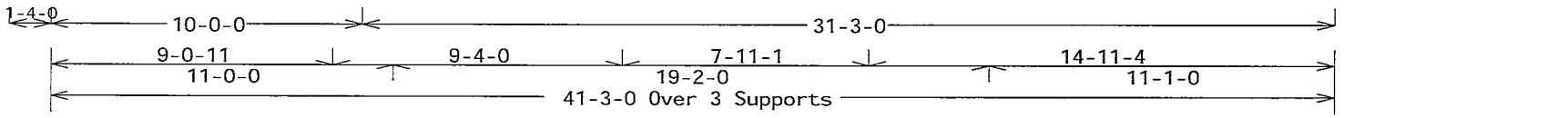
(a) Continuous lateral restraint equally spaced on member

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 06
TC- From 56 plf at 9 06 to 56 plf at 18 39
TC- From 56 plf at 18 39 to 56 plf at 26 31
TC- From 56 plf at 26 31 to 56 plf at 41 25
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 00
BC- From 20 plf at 11 00 to 20 plf at 30 17
BC- From 20 plf at 30 17 to 20 plf at 41 25
TC- 165 20 lb Conc Load at 9 12
BC- 664 13 lb Conc Load at 9 09

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





R=445 U=75 W=4' (4" min) R=2582 U=476 W=4 (4 min) R=1115 U=192 H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04.0806.13 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to bu ld the truss in 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 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 sting th s draw ng nd cates acceptance of profess onal engineering respons b l ty solely for the design shown The su tab lity and use of this des gn for any structure is the responsibil ty of the Bu lding 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

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69317
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024198
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	346460
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H19A 41 3 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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 16 plf at -1 33 to 16 plf at 7 60
TC- From 16 plf at 7 60 to 16 plf at 11 72
TC- From 14 plf at 11 72 to 16 plf at 11 72
TC- From 14 plf at 11 72 to 14 plf at 16 93
TC- From 14 plf at 16 93 to 14 plf at 21 06
TC- From 16 plf at 21 06 to 14 plf at 21 06
TC- From 16 plf at 21 06 to 16 plf at 22 19
TC- From 16 plf at 22 19 to 16 plf at 37 13
TC- From 16 plf at 37 13 to 16 plf at 41 25
PLT- From -26 plf at -1 33 to -26 plf at 7 62
PLT- From -29 plf at 11 72 to -29 plf at 16 93
PLT- From 0 plf at 21 06 to -26 plf at 22 21
PLT- From -26 plf at 26 31 to -26 plf at 33 45
PLT- From -26 plf at 33 45 to -26 plf at 37 11
PLB- From 6 plf at 11 00 to 6 plf at 41 25
18 17 PLB- From 6 plf at 18 17 to 6 plf at 41 25
BC- 200 00 lb Conc Load at 9 50

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

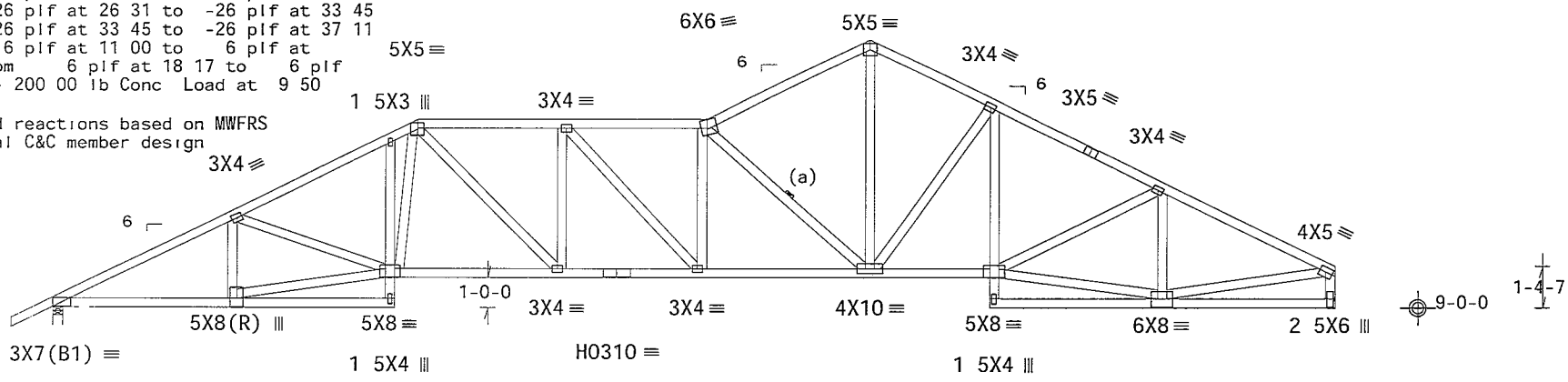
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

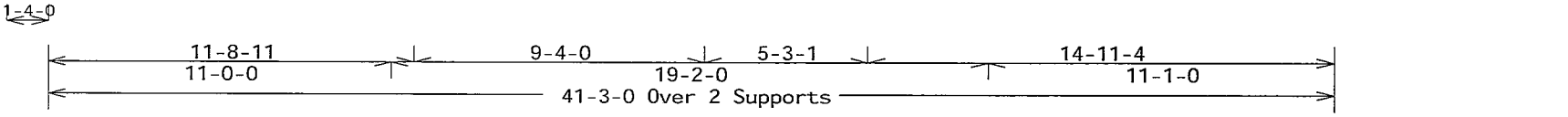
(a) Continuous lateral restraint equally spaced on member

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=1648 U=49 W=4" (4' min)
RL=200/-199

R=1553 U=62
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04 8:20:43 QTY:1 FL/-/5/-/-/R/- Scale = 1875"/Ft.

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

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Trusses requ re extreme care in fabr cat ng handl ng sh pp ng nstalling 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 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 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 Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any deviat on from th s design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng shipp ng installat on 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 posit ons A seal on this drawing or cover page listing this drawing nd cates acceptance of profess onal eng neer ng respons b lity solely for the design shown The suitability and use of th s design for any structure s the respons b lity 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 sbc ndustry com ICC www ccsafe org

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69318
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024199
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	346466
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

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

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H21A 41 3 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

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

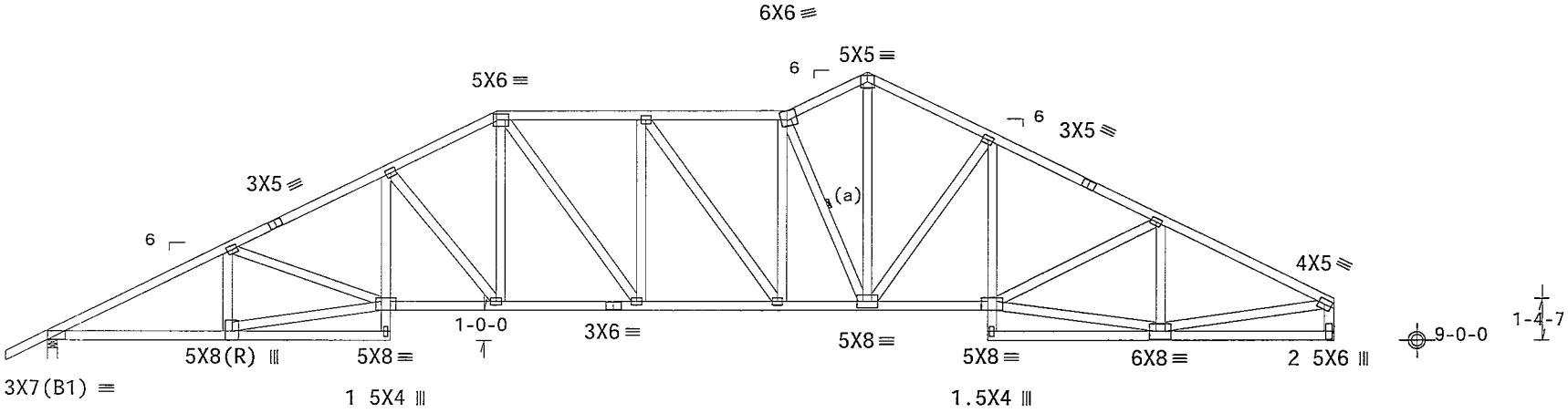
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

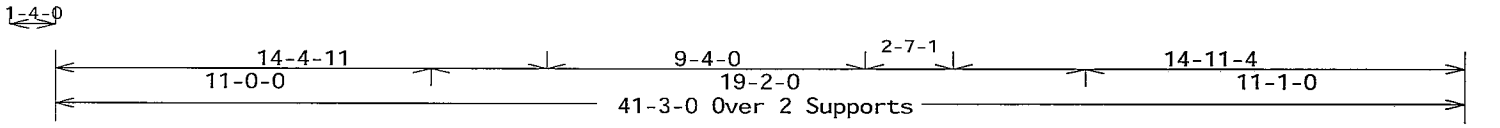
(a) Continuous lateral restraint equally spaced on member

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=1648 U=50 W=4" (4' min)
RL=200/-199

R=1553 U=73
H=H1

Note All Plates Are 3X4 Except As Shown

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=20%(0%)/10(0) 12.03.04 Rpt1 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69319
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024200
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	346470
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

(14-005C--BRYAN ZECHER /Jones/Goodson Residence -- Lake City, FL - H23A 43 7 Mono Hip)

Top chord 2x4 SP #1-13B T5 2x4 SP M-30
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B W2, W13, W16 2x4 SP #2-13B

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 33 to 56 plf at 17 06
TC- From 55 plf at 17 06 to 55 plf at 26 24
TC- From 56 plf at 26 24 to 56 plf at 36 40
TC- From 55 plf at 36 40 to 55 plf at 43 58
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 00
BC- From 20 plf at 11 00 to 20 plf at 30 17
BC- From 20 plf at 30 17 to 20 plf at 43 58
BC- 200 00 lb Conc Load at 9 50

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 C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

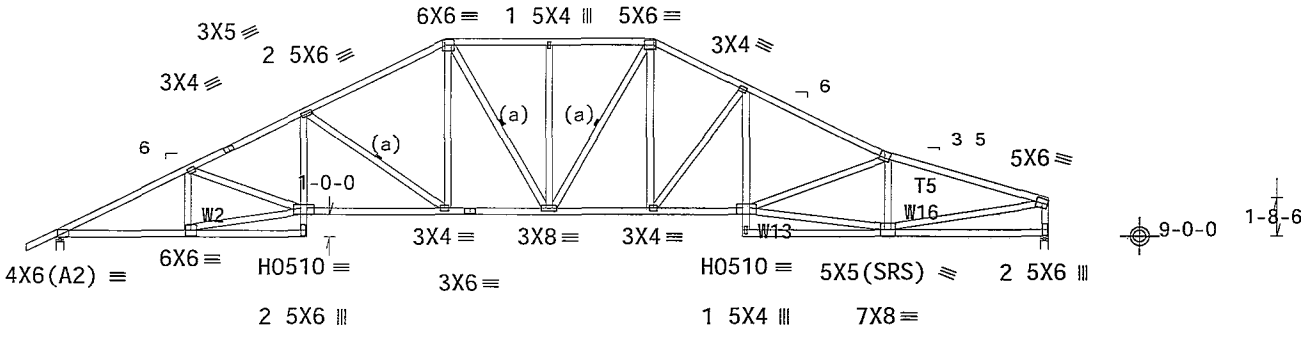
Calculated horizontal deflection is 0 11" due to live load and 0 15' due to dead load

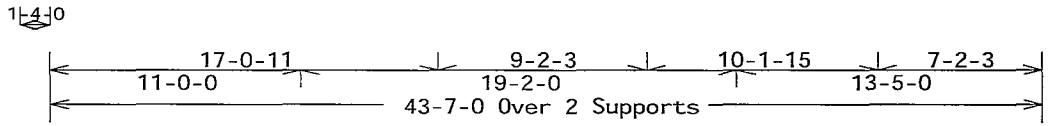
(a) Continuous lateral restraint equally spaced on member

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

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





R=1887 U=54 W=4" (4 min)
RL=195/-192

R=1673 U=38 W=4" (4" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=20%(0%)/10(0) 12.03.04 0826.13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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01/24/2014

TC LL	20.0 PSF	REF	R9114- 69320
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024201
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	340787
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V3B487_Z02

Gable Stud Reinforcement Detail

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

Or 90 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 Vert Spacing	2x4 Gable Vert Species	Brace Grade	No Braces	(1) 1x4 "L" Brace * Group A	(1) 1x4 "L" Brace * Group B	(1) 2x4 "L" Brace * Group A	(1) 2x4 "L" Brace * Group B	(2) 2x4 "L" Brace ** Group A	(2) 2x4 "L" Brace ** Group B	(1) 2x6 "L" Brace * Group A	(1) 2x6 "L" Brace * Group B	(2) 2x6 "L" Brace ** Group A	(2) 2x6 "L" Brace ** Group B
24" OC	SPF	/ #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"	11 5"	11' 10"	14 0"	14 0"	14 0"	14 0"
	HF	Stud	4 7"	8 1"	8 4"	9 7"	9 11"	11 5"	1 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"
	S	#1	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 "	11 6"	12 0"	14 0"	14 0"	14 0"	14 0"
	DF	#3	4 7"	6 11"	7 4"	9 3"	9 0"	11 5"	11 10"	14 0"	14 0"	14' 0"	14' 0"
		Stud	4 7"	6 11"	7 4"	9 3"	9 10"	11 5"	11 10"	14 0"	14 0"	14 0"	14 0"
		Standard	4 7"	6 0"	6 4"	8 0"	8 6"	0 10"	11 7"	12 6"	13 5"	14 0"	14 0"
16" OC	SPF	= / #2	5 6"	9' 5"	9 9"	11 1"	11 6"	13' 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"
	HF	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"
	S	#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"	14' 0"	14' 0"	14' 0"
	DF	#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 10"	9 9"	10 5"	13' 0"	13 7"	14 0"	14' 0"	14' 0"	14' 0"
12" OC	SPF	= / #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"
	HF	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"
	S	#	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"
	DF	#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"	0 5"	2 0"	12 6"	4 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

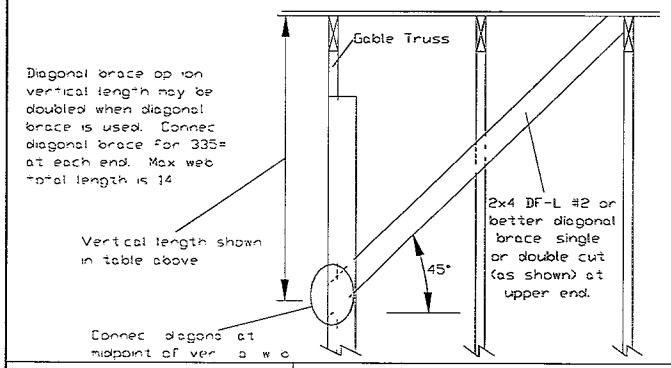
Group B

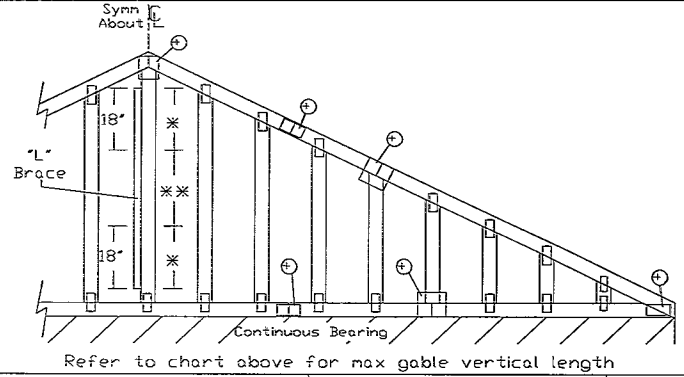
Hem-Fir
#1 & Btr
#1

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





Refer to chart above for max gable vertical length

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

TW 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.

TW 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: TWBCG: www.itwbcg.com, TPI: www.tpinst.org; WTCA: www.sbcindustry.org, ICC: www.iccsafe.org

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

Page 1 of 14

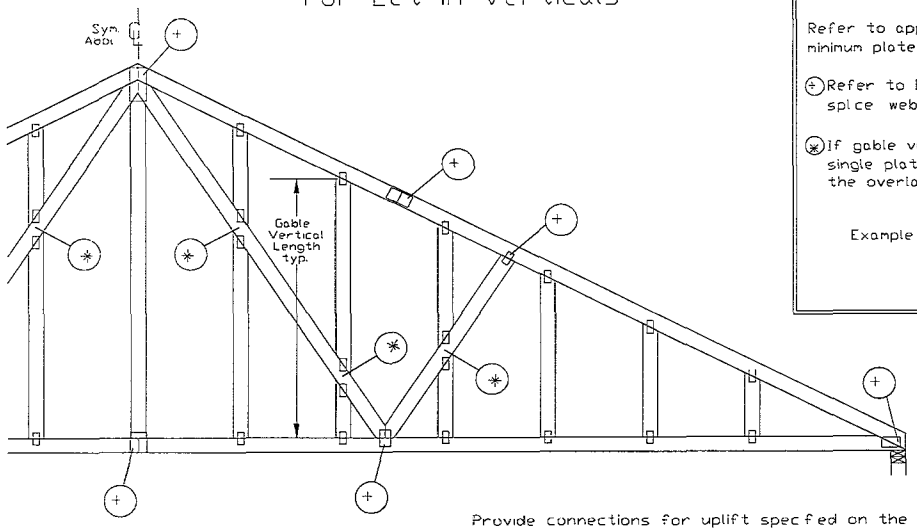
MAX TOT LD 60 PSF

MAX SPACING 24.0"

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

01/24/2014

Gable Detail
For Let-in Verticals



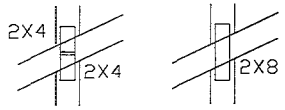
Gable Truss Plate Sizes

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

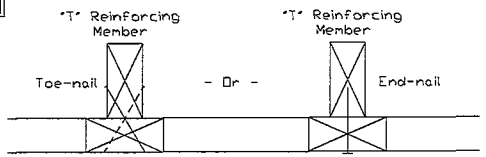
(+) Refer to Engineered truss design for peak splice web and heel plates

(*) 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).

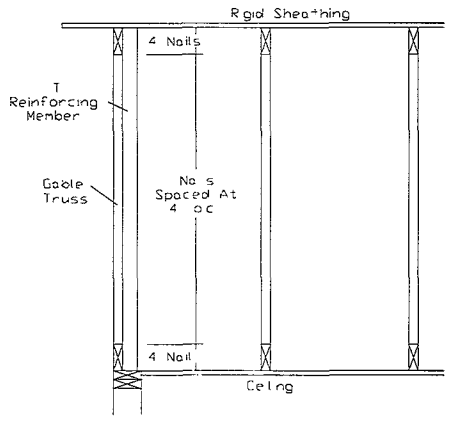
Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"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
1.30 x 8' 7" = 11' 2"



Provide connections for uplift specified on the engineered truss design

Attach each "T" reinforcing member with

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

Toenailed Nails
10d Common (0.148"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

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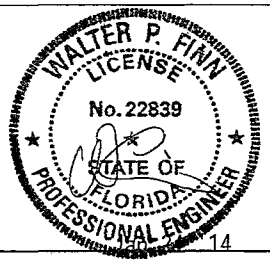
ITWBCG: www.itwbcg.com, TPI: www.tpinst.org, WTCA: www.sbcindustry.org, ICC: www.iccsafe.org



14

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

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

01/24/2014

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

120 mph, 30 ft 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 = 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

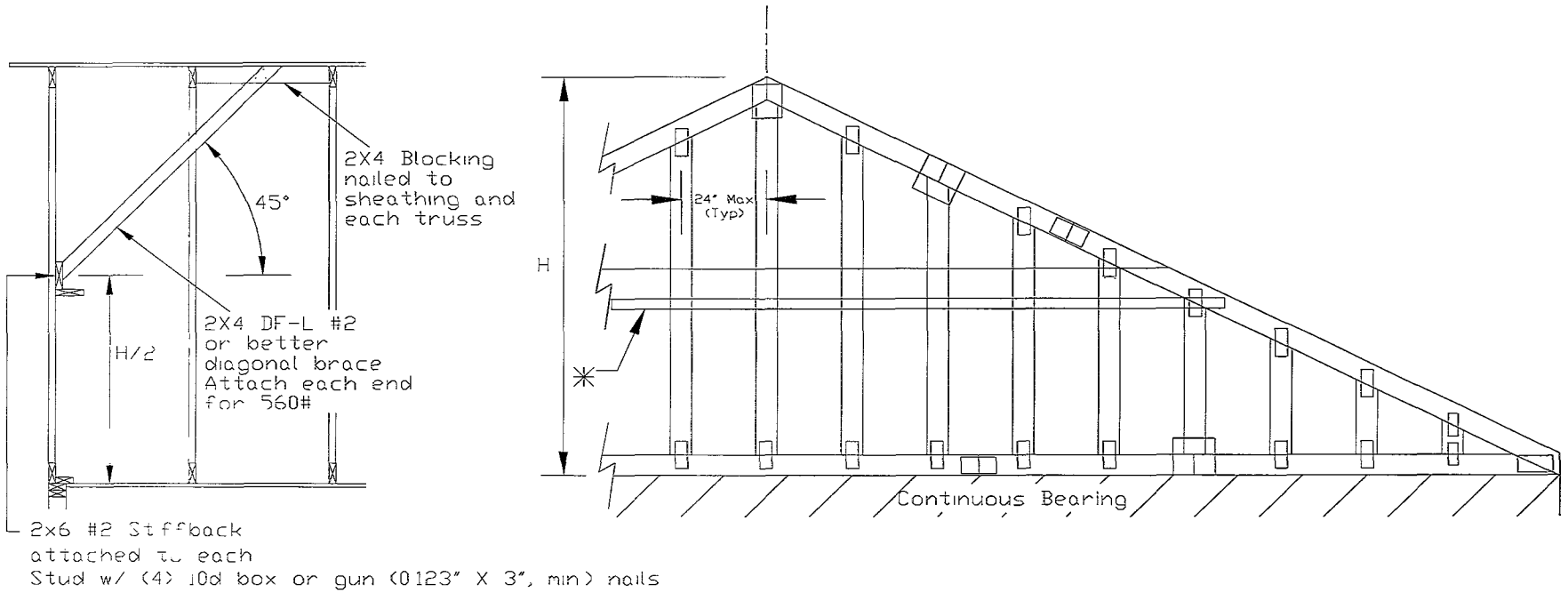
Nails 10d box or gun (0.128"x3",min) nails

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

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

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

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



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

14

MAX TOT LD 60 PSF

MAX SPACING

REF	GE WHALER
DATE	2/14/12
DRWG	GABRST100212

01/24/2014

CLR Reinforcing Member Substitution

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

Notes

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

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

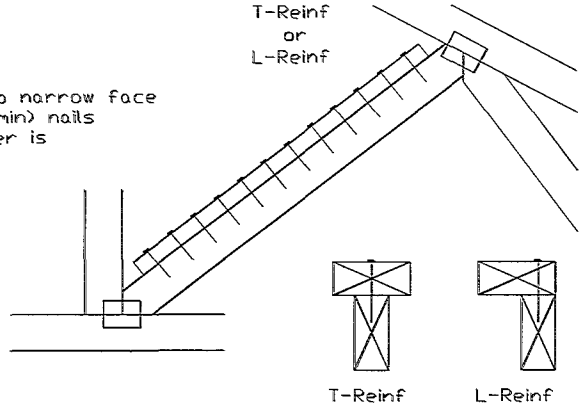
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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

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

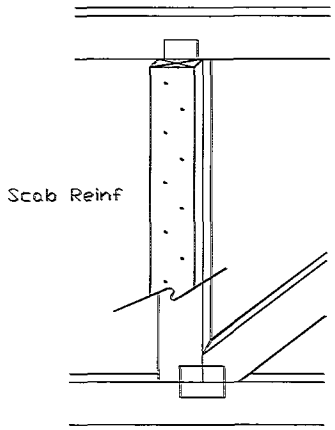
T-Reinforcement or L-Reinforcement

Apply to either side of web narrow face Attach with 10d (0.128"x3.0",min) nails at 6" o.c 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



TW
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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		

01/24/2014