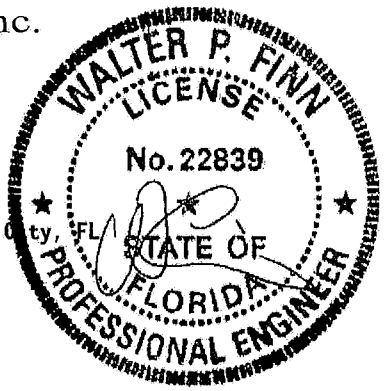
ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID 1V57487-Z0202133409



Truss Fabricator	Anderson Truss Company
Job Identification	14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL
Truss Count	49
Model Code	Florida Building Code 2010
Truss Criteria	FBC2010Res/TPI-2007(STD)
Engineering Software	Alpine Software,Version 12.03.
Structural Engineer of Record	The identity of the structural EOR did not exist as of
Address	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads	Roof - 37.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 120 MPH ASCE 7-10 -Closed

04/02/2014

Notes

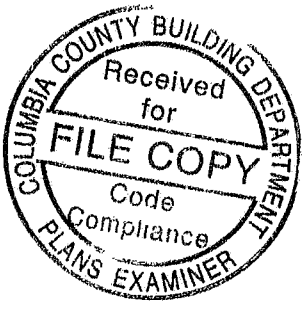
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Walter P Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-DEFLCAMB-

#	Ref	Description	Drawing#	Date
1	82559	--A 34' Common	14092021	04/02/14
2	82560	--A1 34' Common	14092022	04/02/14
3	82561	--A2 34' Common	14092023	04/02/14
4	82562	--A3 34' Common	14092024	04/02/14
5	82563	--A4 34' Common	14092025	04/02/14
6	82564	--B 16' Common	14092026	04/02/14
7	82565	--B1 16' Common	14092027	04/02/14
8	82566	--C 6' Common	14092028	04/02/14
9	82567	--CJ1 1' Jack	14092029	04/02/14
10	82568	--CJ1A 1' Jack	14092030	04/02/14
11	82569	--CJ3 3' Jack	14092031	04/02/14
12	82570	--CJ3A 3' Jack	14092032	04/02/14
13	82571	--CJ5 5' Jack	14092033	04/02/14
14	82572	--CJ5A 5' Jack	14092034	04/02/14
15	82573	--D 8' Common	14092035	04/02/14
16	82574	--D1 7' Common	14092036	04/02/14
17	82575	-D2G 7' End Jack	14092037	04/02/14
18	82576	--EJ3 3' Jack	14092038	04/02/14
19	82577	--EJ7 7' End Jack	14092039	04/02/14
20	82578	-H3 8' Stepdown H	14092040	04/02/14
21	82579	-HJ3 4'2"15 Hip J	14092041	04/02/14
22	82580	-H7 33'11"14 Step	14092069	04/02/14
23	82581	-HJ7 9'10"13 Hip	14092042	04/02/14
24	82582	-HJ7A 9'10"13 Hip	14092043	04/02/14
25	82583	-HJ7B 9'10"13 Hip	14092044	04/02/14
26	82584	-H7A 34' Stepdown	14092045	04/02/14
27	82585	-H7B 25' Stepdown	14092046	04/02/14
28	82586	-H7D 39'10" Stepd	14092047	04/02/14
29	82587	-H7C 25' Stepdown	14092048	04/02/14
30	82588	-H7E 16' Stepdown	14092049	04/02/14
31	82589	-H9 33'11"14 Spec	14092050	04/02/14
32	82590	-H9B 25' Stepdown	14092051	04/02/14
33	82591	-H9A 34' Stepdown	14092052	04/02/14
34	82592	-H9D 39'10" Stepd	14092053	04/02/14
35	82593	-H11A 34' Stepdow	14092054	04/02/14
36	82594	-H11B 25' Stepdow	14092055	04/02/14
37	82595	-H11D 39'10" Step	14092056	04/02/14
38	82596	-H12 25' Stepdown	14092057	04/02/14
39	82597	-H13A 34' Stepdow	14092058	04/02/14
40	82598	-H13D 39'10" Step	14092059	04/02/14
41	82599	-H15A 34' Stepdow	14092060	04/02/14
42	82600	-MH7 34' Stepdown	14092061	04/02/14
43	82601	-MH7A 16' Stepdow	14092062	04/02/14
44	82602	-MH9 34' Stepdown	14092063	04/02/14
45	82603	-MH11 34' Stepdow	14092064	04/02/14
46	82604	-MH13 34' Stepdow	14092065	04/02/14
47	82605	-MH15 34' Stepdow	14092066	04/02/14
48	82606	--MH17 34' Common	14092067	04/02/14
49	82607	--MH19 34' Common	14092068	04/02/14



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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - A 34' 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

Left cantilever is exposed to wind

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

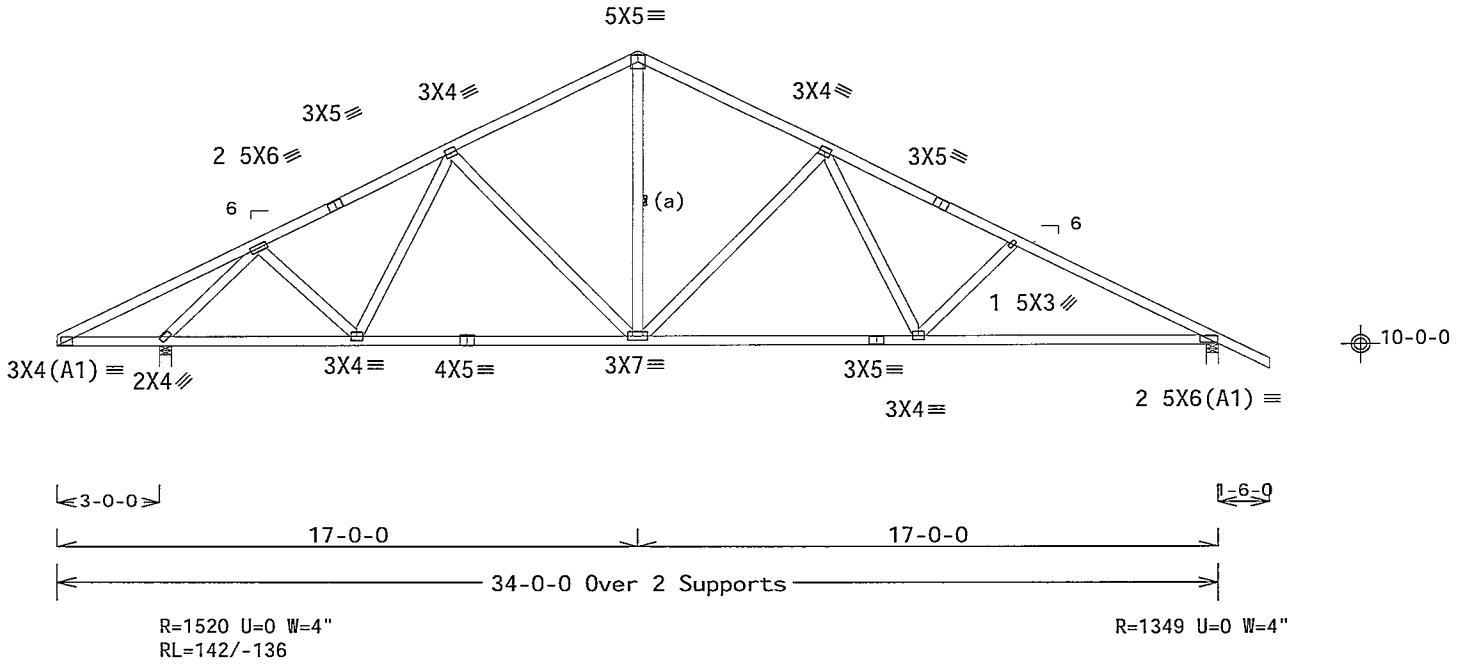
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) Continuous lateral restraint equally spaced on member

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04 0326 14 QTY:4 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses require extreme care n fabricating handling shipping 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 sheath ng and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any fa lure to build the truss in conformance w th ANSI/TPI 1 or for handl ng shipping installation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on this drawing or cover page l sting th s drawing ndicates acceptance of professional engineering responsibility solely for the des gn shown The suitability and use of this design for any structure is the respons bility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www iccsafe org

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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82559
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092021
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29731
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - A1 34' 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

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

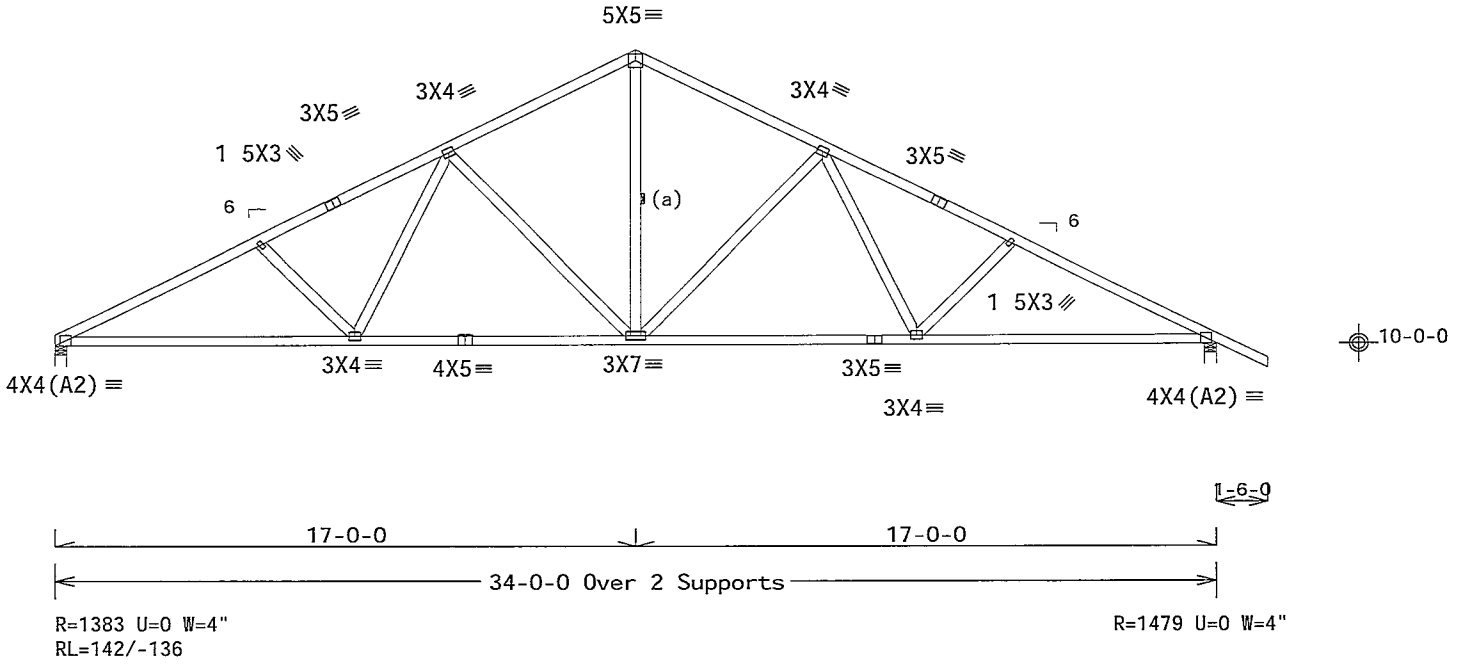
MWFRS loads based on trusses located at least 15 00 ft from roof edge

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

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

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

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=10%(0%)/0(0) 12.03.04 03/26/14 QTY:3 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82560
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092022
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29732
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - A2 34' 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

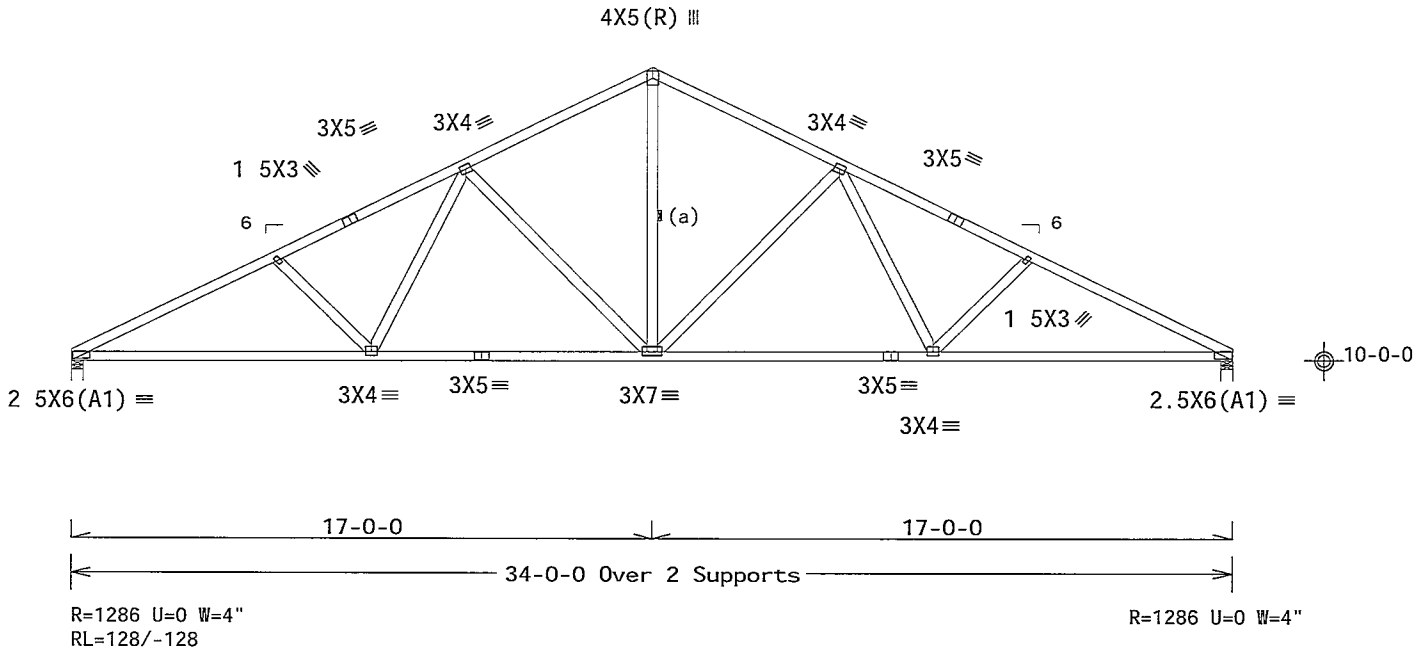
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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

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

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04 08:26:14 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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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82561
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092023
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29733
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - A3 34' 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

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

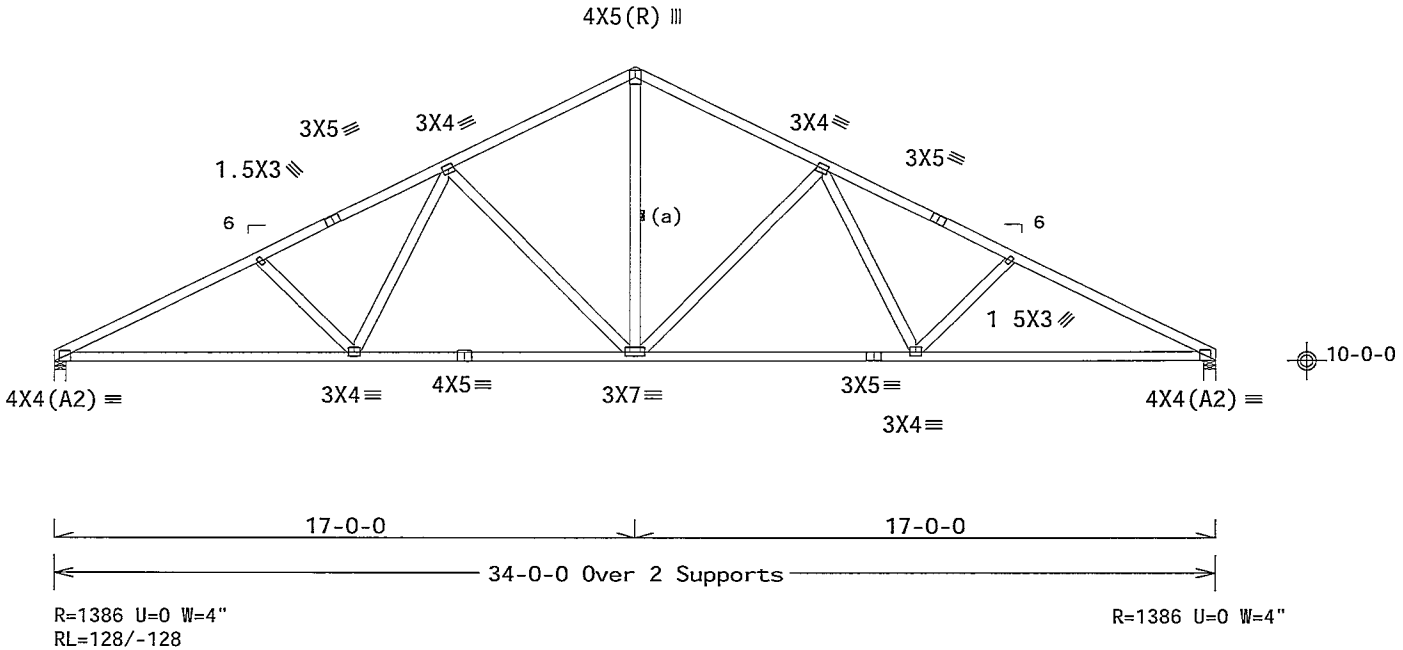
MWFRS loads based on trusses located at least 15 00 ft from roof edge

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

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

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

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



R=1386 U=0 W=4"
RL=128/-128

R=1386 U=0 W=4"

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04 03:26:14 QTY:9 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82562
TC DL	7.0 PSF	DATE	04/02/14
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BC LL	0.0 PSF		HC-ENG KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29734
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - A4 34' 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

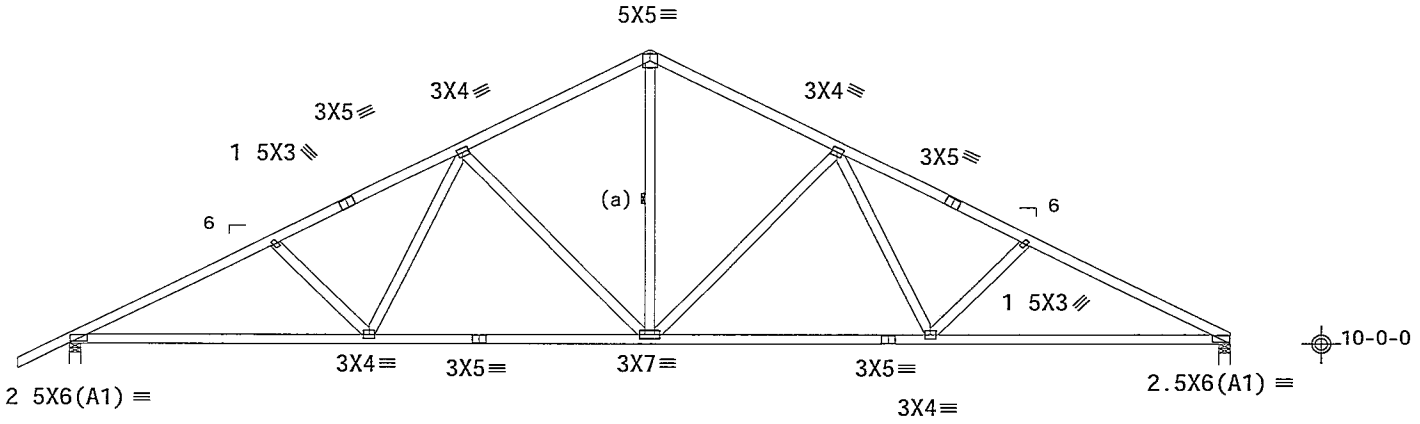
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

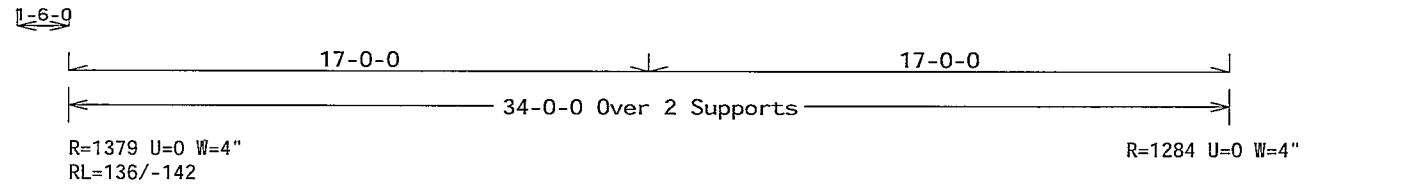
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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





Design Crit: FBC2010Res/TPI-2007(STD)

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ALPINE
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Orlando FL, 32837
FL COA #0 278

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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82563
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092025
BC LL	0.0 PSF		HC-ENG KD/WPF
TOT.LD.	37 0 PSF	SEQN-	29735
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - B 16' Common)

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

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

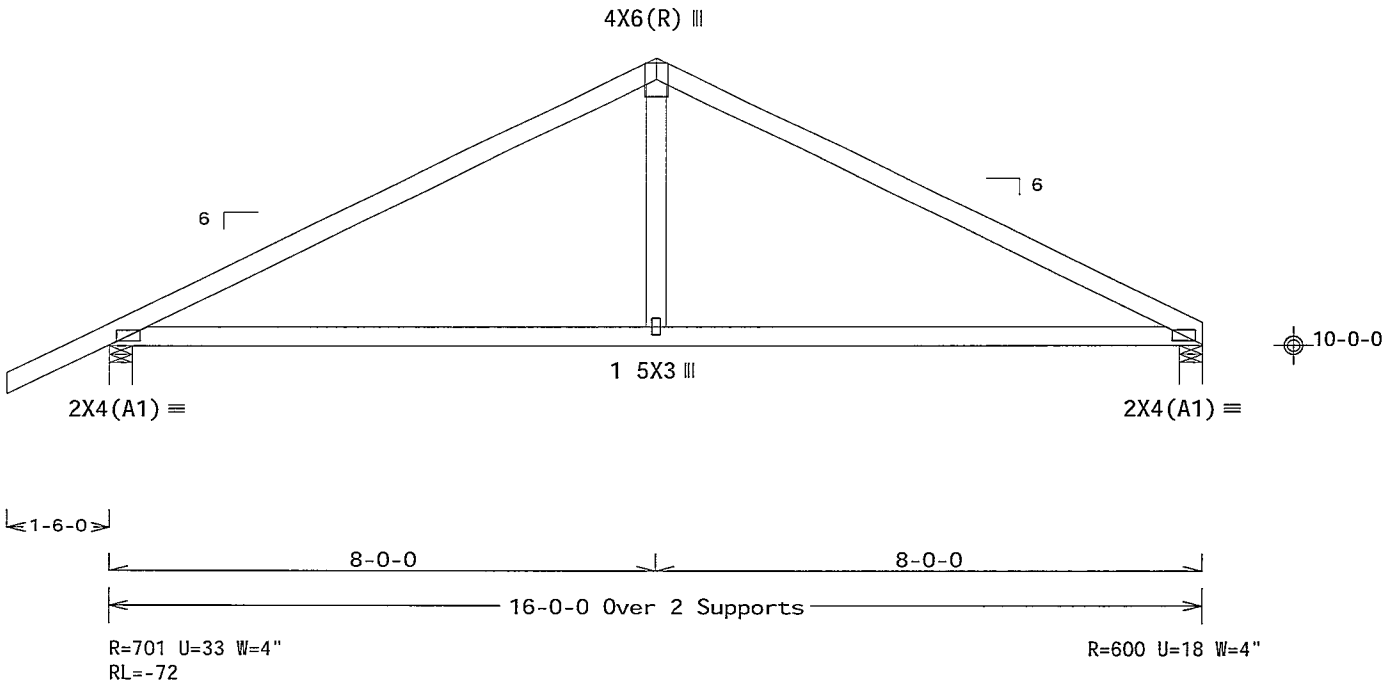
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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

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=10%(0%)/0(0) 12.03.04 0886.14 QTY:3 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
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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

04/02/2014

TC LL	20 0 PSF	REF	R9114- 82564
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092026
BC LL	0.0 PSF		HC-ENG KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29736
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - B1 16' Common)

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

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

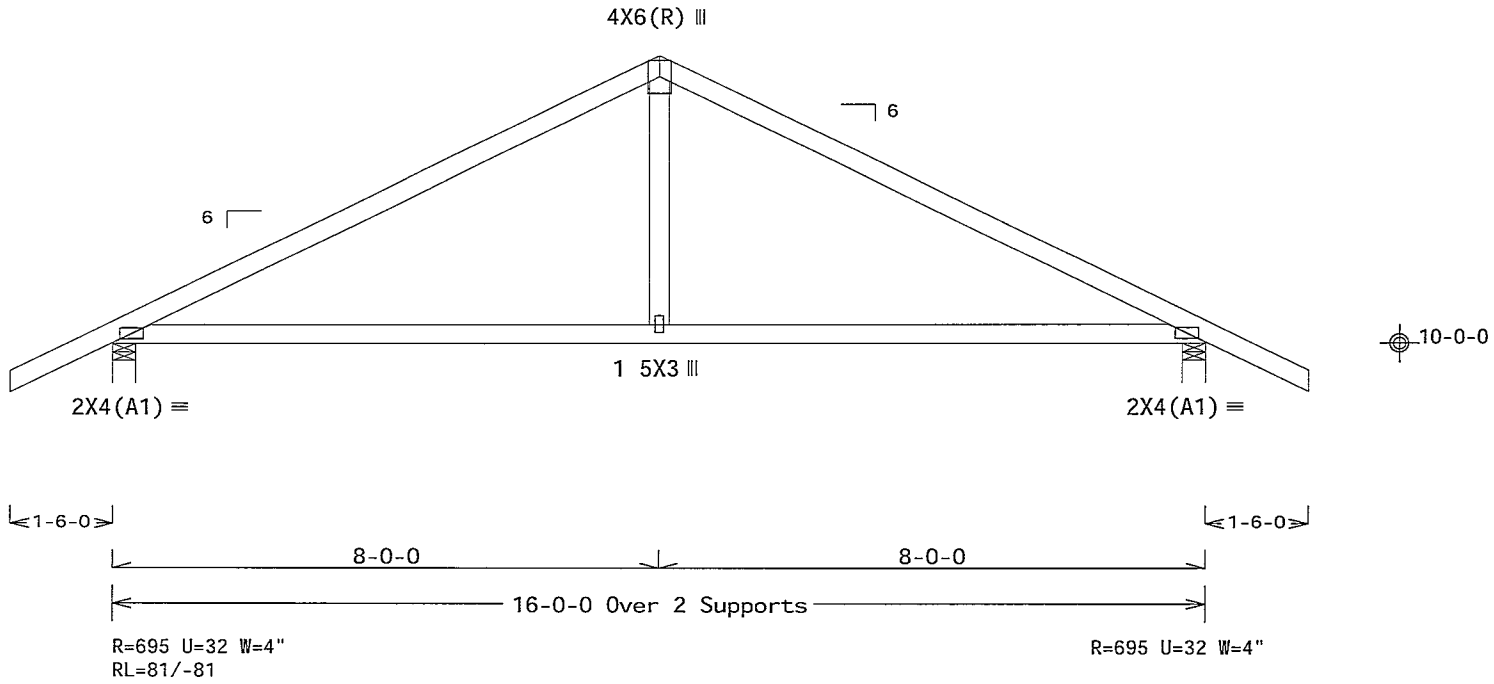
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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

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=10%(0%)/0(0) 12.03.04.0806.14 QTY:4 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

Trusses require extreme care n fabr cat ng handl ng shipping nstalling and bracing Refer to and follow the latest ed t on of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices pr or to perform ng these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d ce l ng Locat ons shown for permanent lateral restraint of web shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from th s design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping nstallat on brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this draw ng or cover page listing this draw ng indicates acceptance of professional eng neer ng responsibility solely for the design shown The suitability 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 information see This job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82565
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092027
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29737
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - C 6 Common)

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

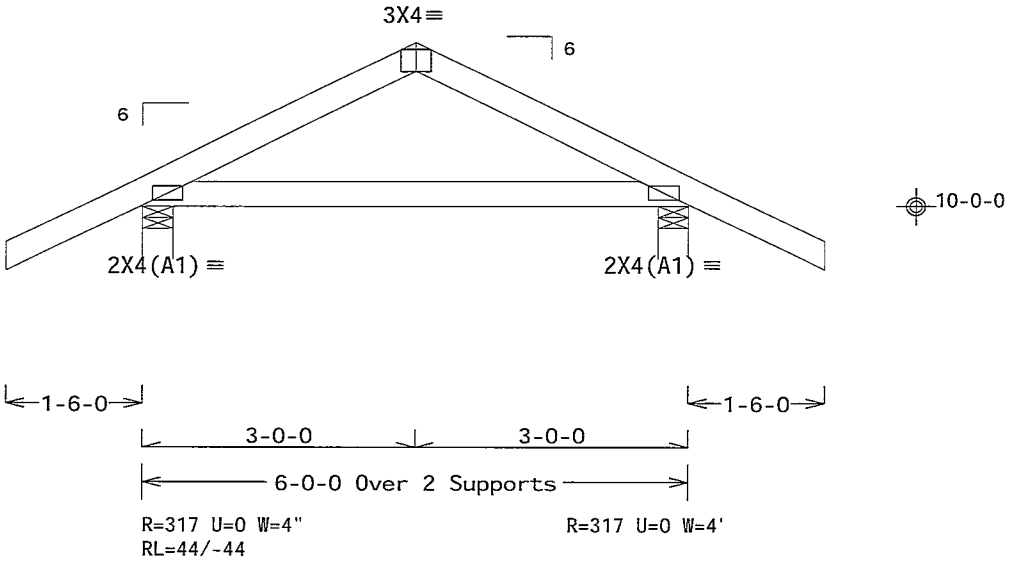
Bottom chord checked for 10 00 psf non-concurrent live load

MWFRS loads based on trusses located at least 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 B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03 04-0886-14 QTY:6 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 n fabricating handl ng shipp ng nstalling and bracing Refer to an follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices pr or to perform ng these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ceiling Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipp ng installat on bracing 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 drawings 160A-Z for standard plate posit ons A seal on th drawing or cover page listing this drawing indicates acceptance of professional eng neering responsibility solely for the design shown The suitabil ty and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82566
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092028
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29738
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - CJ1 1' Jack)

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

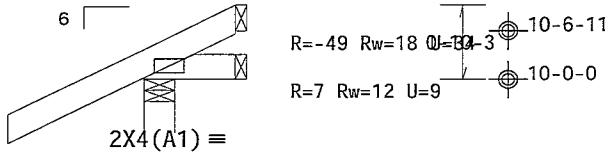
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

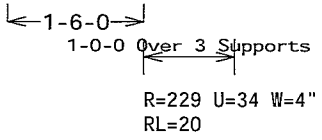
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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





Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04 0806.14 QTY:27 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 requ re extreme care n fabr cating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Bu lding Component Safety Information by TPI and WTCA) for safety practices prior to perform ng these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d ceiling Locations shown for permanent lateral restraint of web shall have brac ng installed per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from th s design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng installat on bracing 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 drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page l st ng this draw ng ind cates acceptance of professional engineering responsibility solely for the des gn shown The su tability and use of this design for any structure is the responsibility of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more information see Th s job s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82567
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092029
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29739
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - CJ1A 1' Jack)

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

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

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

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

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

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

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04.0836.14 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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82568
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092030
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29740
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - CJ3 3' Jack)

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

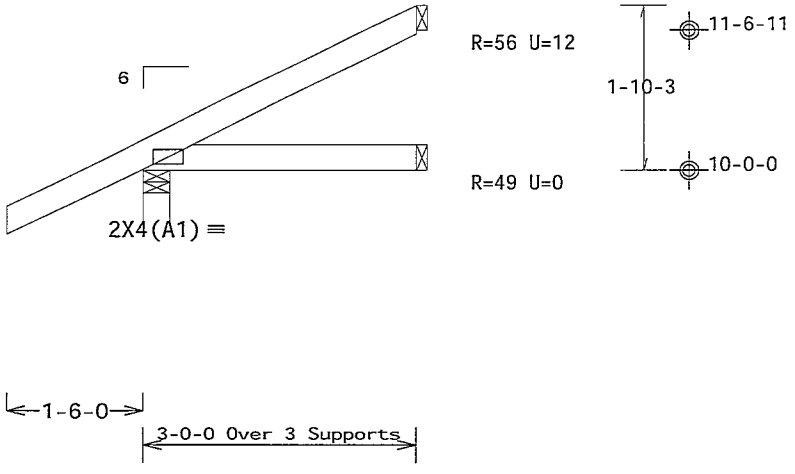
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

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



R=238 U=14 W=3 5"
RL=37

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04.0806.14 QTY:22 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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82569
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092031
BC LL	0.0 PSF		HC-ENG KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29741
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - CJ3A 3' Jack)

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

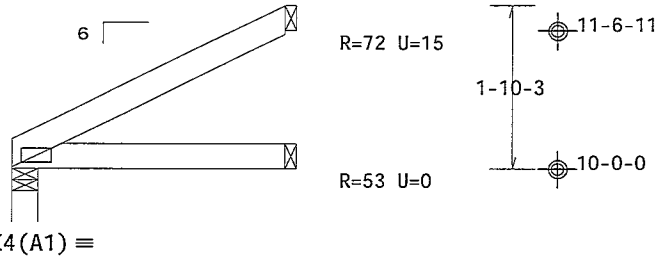
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

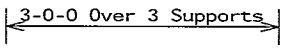
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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





R=119 U=0 W=3 5"
RL=24

Design Crit. FBC2010Res/TPI-2007(STD)

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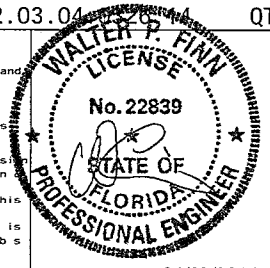


04/02/2014

TC LL	20.0 PSF	REF	R9114- 82570
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092032
BC LL	0.0 PSF		HC-ENG KD/WPF
TOT LD	37.0 PSF	SEQN-	29742
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - CJ5 5 Jack)

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

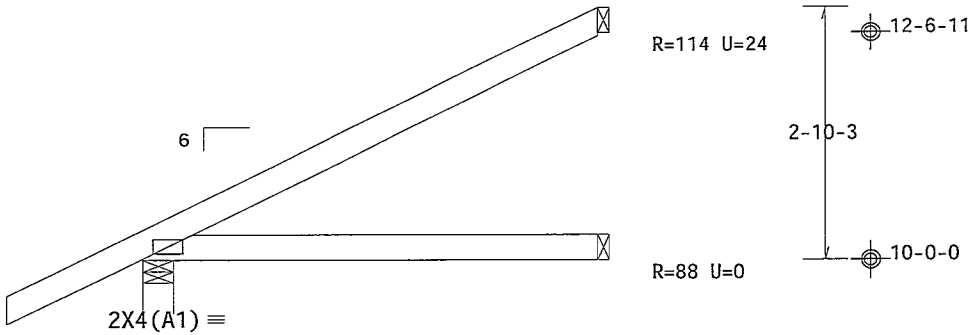
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03 04 [illegible] QTY:22 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
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82571
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092033
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT LD	37.0 PSF	SEQN-	29743
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - CJ5A 5' Jack)

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

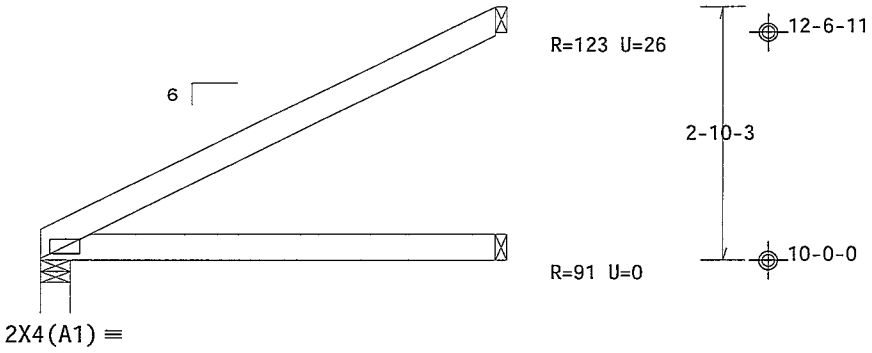
Lumber grades designated with "13B use design values approved 1/30/2013 by ALSC

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

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

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

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



5-0-0 Over 3 Supports

R=195 U=0 W=4"
RL=41

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(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 ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this desi any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pping installation brac ng of trusses Apply plates to each face of truss and posit 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 drawing or cover page l sting th s drawing nd cates acceptance of professional engineering respons b lity solely for the des gn shown The suitability 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 sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82572
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092034
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29744
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - D 8' Common)

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

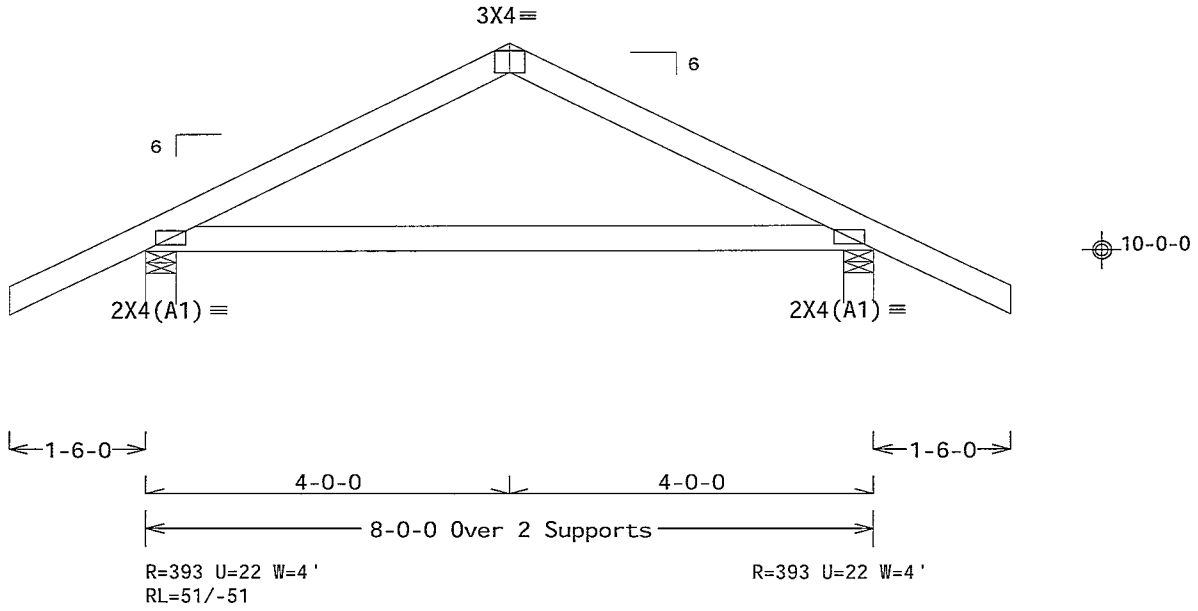
Lumber grades designated with '13B" use design values approved 1/30/2013 by ALSC

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

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

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

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



Design Crit' FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03 04 QTY 4 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82573
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092035
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT LD.	37.0 PSF	SEQN-	29745
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - D1 7' 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

(J) Hanger Support Required, by others

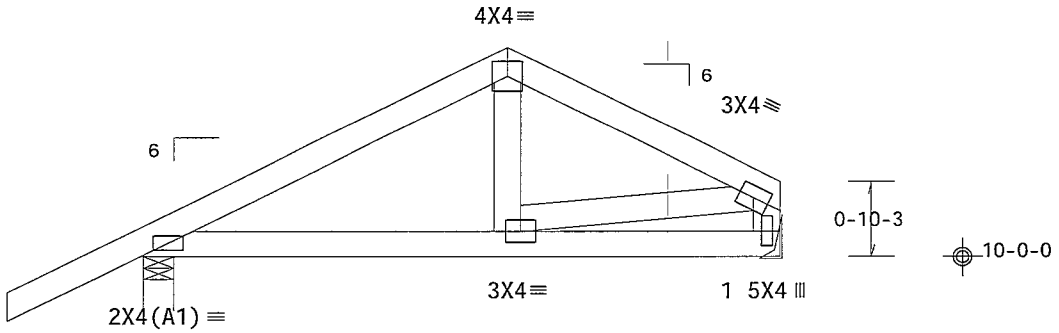
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

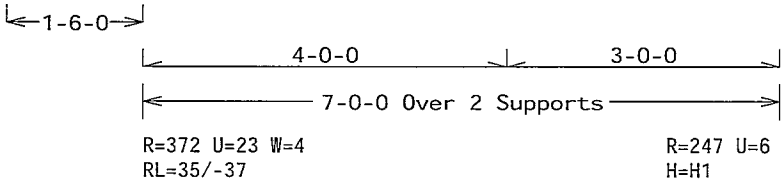
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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





Design Crit FBC2010Res/TPI-2007(STD)

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

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82574
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092036
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29746
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - D2G 7' End Jack Girder)

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

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

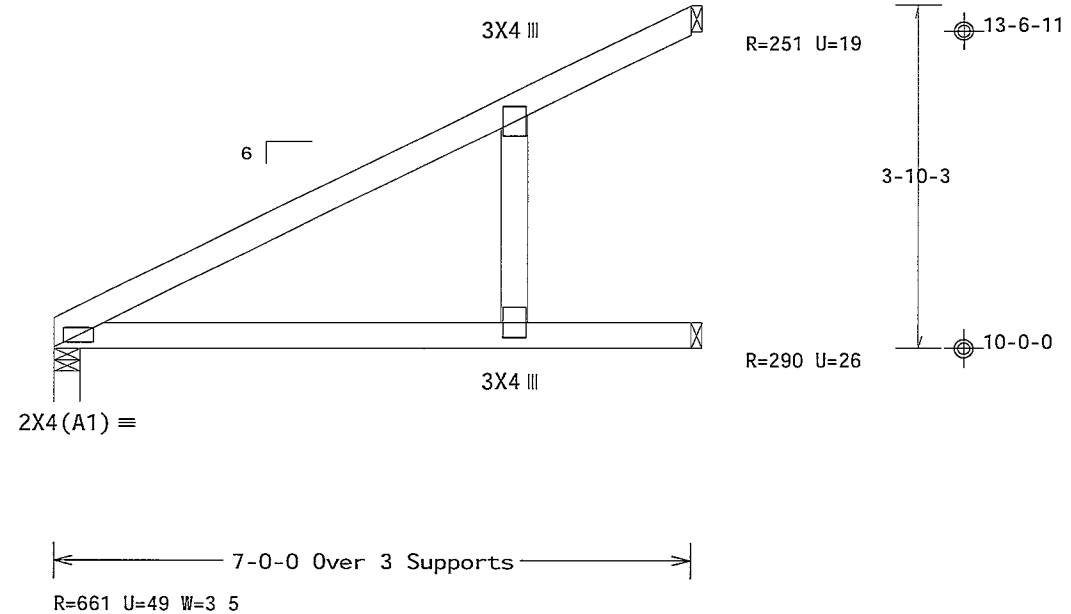
Wind loads and reactions based on MWFRS

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at 0 00 to 56 plf at 7 00
BC- From 10 plf at 0 00 to 10 plf at 7 00
BC- 247 36 lb Conc Load at 1 06, 3 06, 5 06

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

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=10%(0%)/0(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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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF R9114- 82575
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HCUSR9114 14092037
BC LL	0.0 PSF	HC-ENG KD/WPF
TOT.LD.	37.0 PSF	SEQN- 29766
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - EJ3 3' Jack)

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

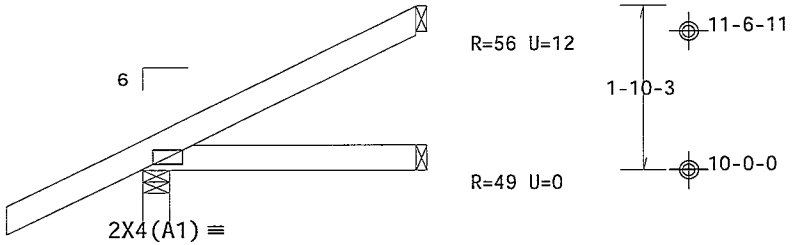
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

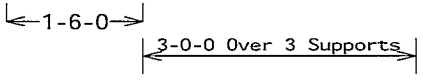
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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





R=238 U=14 W=3 5'
RL=37

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04 0326 14 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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82576
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092038
BC LL	0.0 PSF		HC-ENG KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29747
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - EJ7 7' End Jack)

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

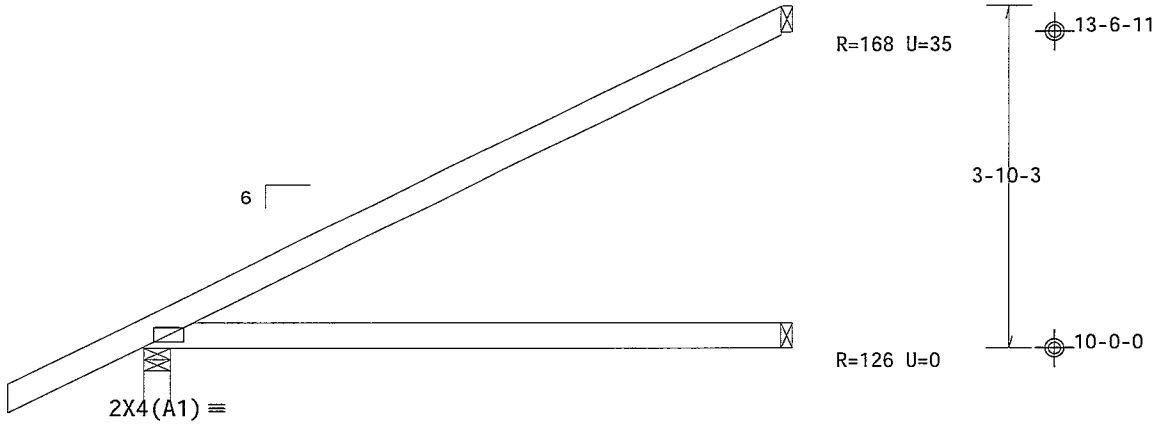
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

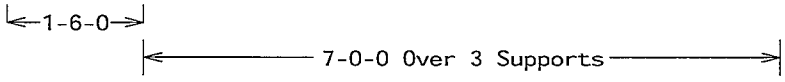
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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





R=372 U=8 W=3 5"
RL=70/-27

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04 0326 14 QTY:73 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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82577
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092039
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29748
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H3 8' Stepdown Hip Girder)

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

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

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

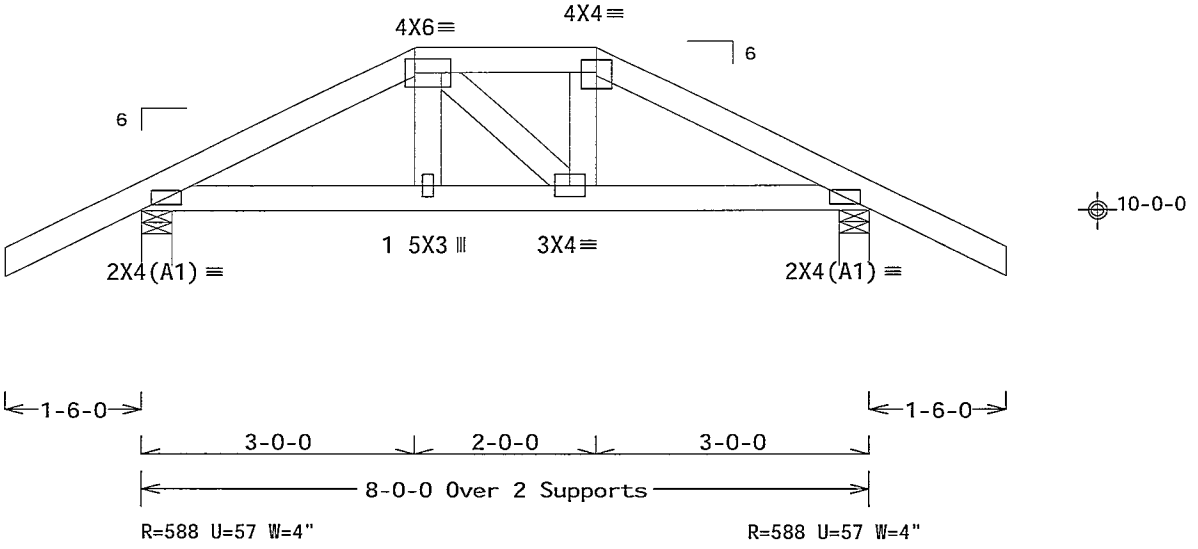
Wind loads and reactions based on MWFRS

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 50 to 56 plf at 3 00
TC- From 56 plf at 3 00 to 56 plf at 5 00
TC- From 56 plf at 5 00 to 56 plf at 9 50
BC- From 4 plf at -1 50 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 3 03
BC- From 10 plf at 3 03 to 10 plf at 4 97
BC- From 20 plf at 4 97 to 20 plf at 8 00
BC- From 4 plf at 8 00 to 4 plf at 9 50
TC- 86 80 lb Conc Load at 3 03, 4 97
BC- 118 37 lb Conc Load at 3 03, 4 97

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04 0326 14 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82578
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092040
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT LD.	37.0 PSF	SEQN-	29771
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - HJ3 4'2'15 Hip Jack Girder)

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

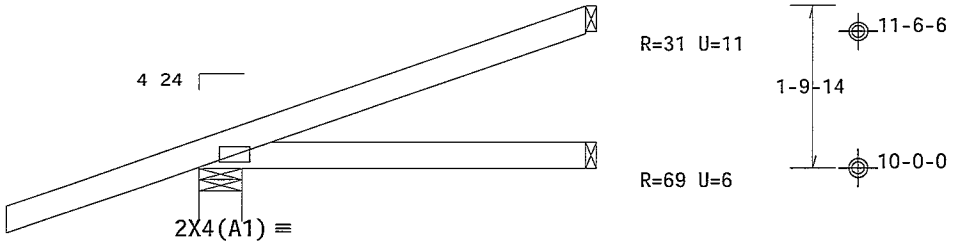
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

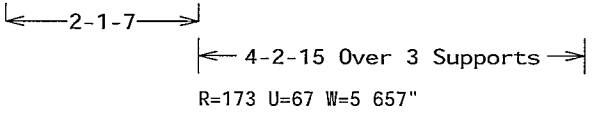
Bottom chord checked for 10 00 psf non-concurrent live load

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 0 plf at -2 12 to 55 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 4 24
BC- From 0 plf at -2 12 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 4 24
TC- -30 90 lb Conc Load at 1 48
BC- 13 75 lb Conc Load at 1 48

Wind loads and reactions based on MWFRS

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





R=173 U=67 W=5 657"

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04 0326 14 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 failure to build the truss n conformance w th ANSI/TPI 1 or for handling sh pping installation & bracing of trusses Apply plates to each face of truss and 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 th drawing or cover page l sting th s drawing nd cates acceptance of professional engineering respons b l ty solely for the des gn shown The su tability and use of this design for any structure is the respons b l ty of the Build ng Des gner per ANSI/TPI 1 Sec 2 For more information see Th s job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20.0 PSF	REF	R9114- 82579
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092041
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37.0 PSF	SEQN-	29767
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V57487_Z02

04/02/2014

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H7 33'11 14 Stepdown Hip Girder)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B W4 2x4 SP #2-13B

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

Brg blocks 0 131"x3", min nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
2	9 958'	1	15"	9	Rigid Surface

Brg block to be same size and species as chord
Refer to drawing CNNAILSP0109 for more information

Negative reaction(s) of -357# MAX (See below) from a non-wind load case requires uplift connection

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

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

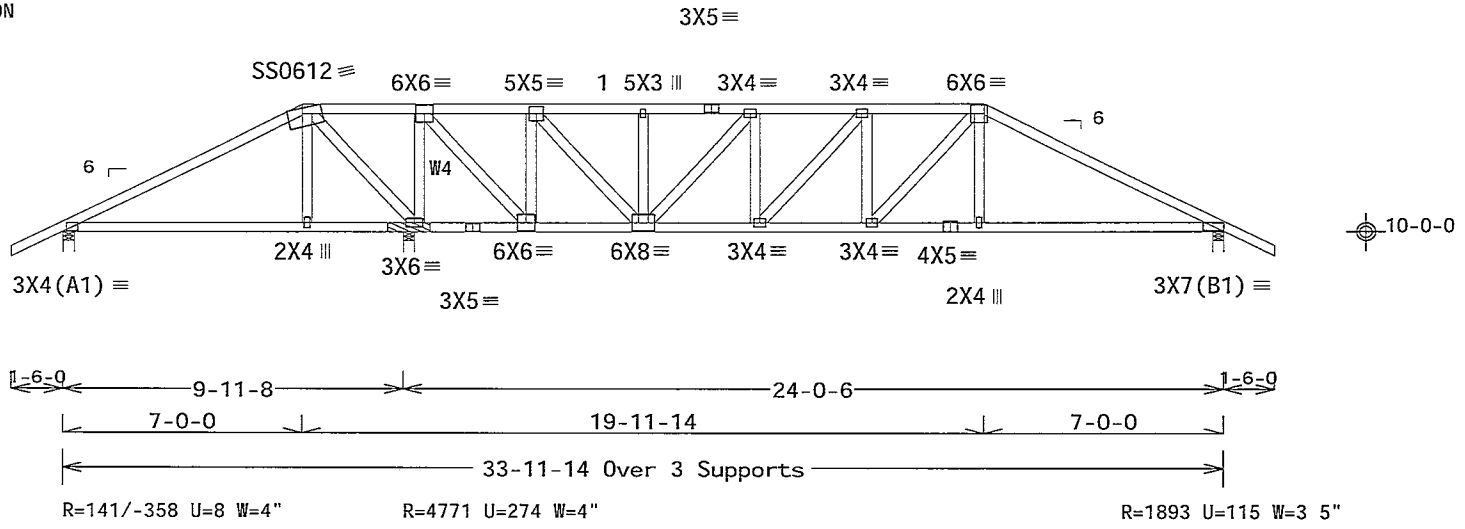
WARNING! THIS TRUSS IS NOT SYMMETRIC, BUT ITS EXTERIOR GEOMETRY MAKES ERECTION ERROR MORE PROBABLE IT IS IMPERATIVE THAT THIS TRUSS BE INSTALLED PROPERLY TRUSS MANUFACTURER IS TO MARK THIS TRUSS FOR PROPER ERECTION

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 50 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 19 00
TC- From 28 plf at 19 00 to 28 plf at 26 99
TC- From 56 plf at 26 99 to 56 plf at 35 49
BC- From 4 plf at -1 50 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 7 03
BC- From 10 plf at 7 03 to 10 plf at 12 00
BC- From 10 plf at 12 00 to 10 plf at 26 00
BC- From 20 plf at 26 00 to 20 plf at 33 99
BC- From 4 plf at 33 99 to 4 plf at 35 49
TC- 231 53 lb Conc Load at 7 03,26 96
TC- 167 93 lb Conc Load at 9 06,11 06,13 06,15 06 16 99,18 93,20 93,22 93,24 93
BC- 453 90 lb Conc Load at 7 03,26 96
BC- 126 32 lb Conc Load at 9 06,11 06,13 06,15 06 16 99,18 93,20 93,22 93,24 93

Wind loads and reactions based on MWFRS

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

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) 12 03.04 ER:0.0" QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng shipping 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 pr or to perform ng these funct ons Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r gid 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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF R9114- 82580
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HCUSR9114 14092069
BC LL	0.0 PSF	HC-ENG KD/WPF
TOT.LD.	37.0 PSF	SEQN- 29772
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - HJ7 9 10'13 Hip Jack Girder)

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

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

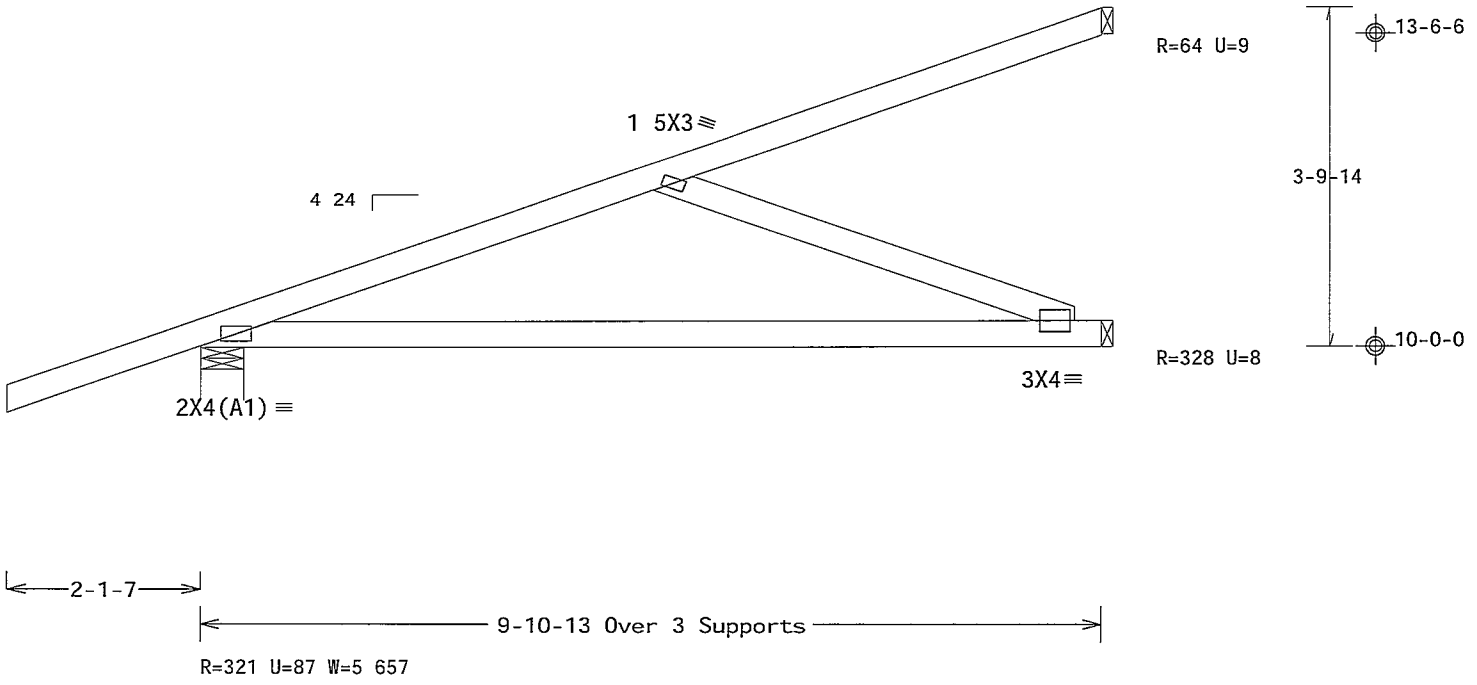
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 0 plf at -2 12 to 55 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 9 90
BC- From 0 plf at -2 12 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 9 90
TC- -30 90 lb Conc Load at 1 48
TC- 111 20 lb Conc Load at 4 31
TC- 228 42 lb Conc Load at 7 13
BC- 13 75 lb Conc Load at 1 48
BC- 98 56 lb Conc Load at 4 31
BC- 176 42 lb Conc Load at 7 13

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=10%(0%)/0(0) 12.03 04 [illegible] QTY:10 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
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82581
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092042
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37.0 PSF	SEQN-	29768
DUR FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - HJ7A 9'10"13 Hip Jack Girder)

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

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

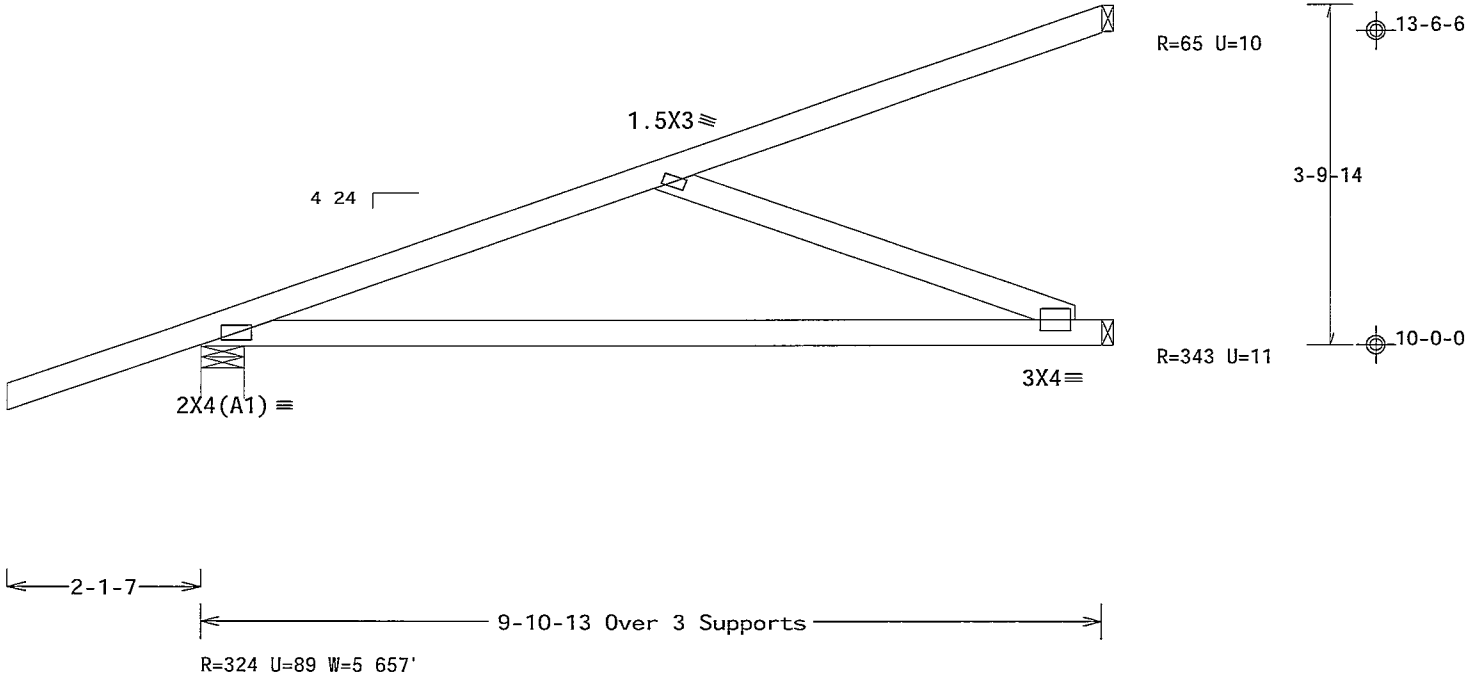
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 0 plf at -2 12 to 55 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 9 90
BC- From 0 plf at -2 12 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 9 90
TC- -30 90 lb Conc Load at 1 48
TC- 127 84 lb Conc Load at 4 31
TC- 237 50 lb Conc Load at 7 13
BC- 13 75 lb Conc Load at 1 48
BC- 102 47 lb Conc Load at 4 31
BC- 178 95 lb Conc Load at 7 13

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=10%(0%)/0(0) 12.03.04 Bpl 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
04/02/2014

TC LL	20 0 PSF	REF	R9114- 82582
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092043
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29769
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - HJ7B 9 10"13 Hip Jack Girder)

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

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

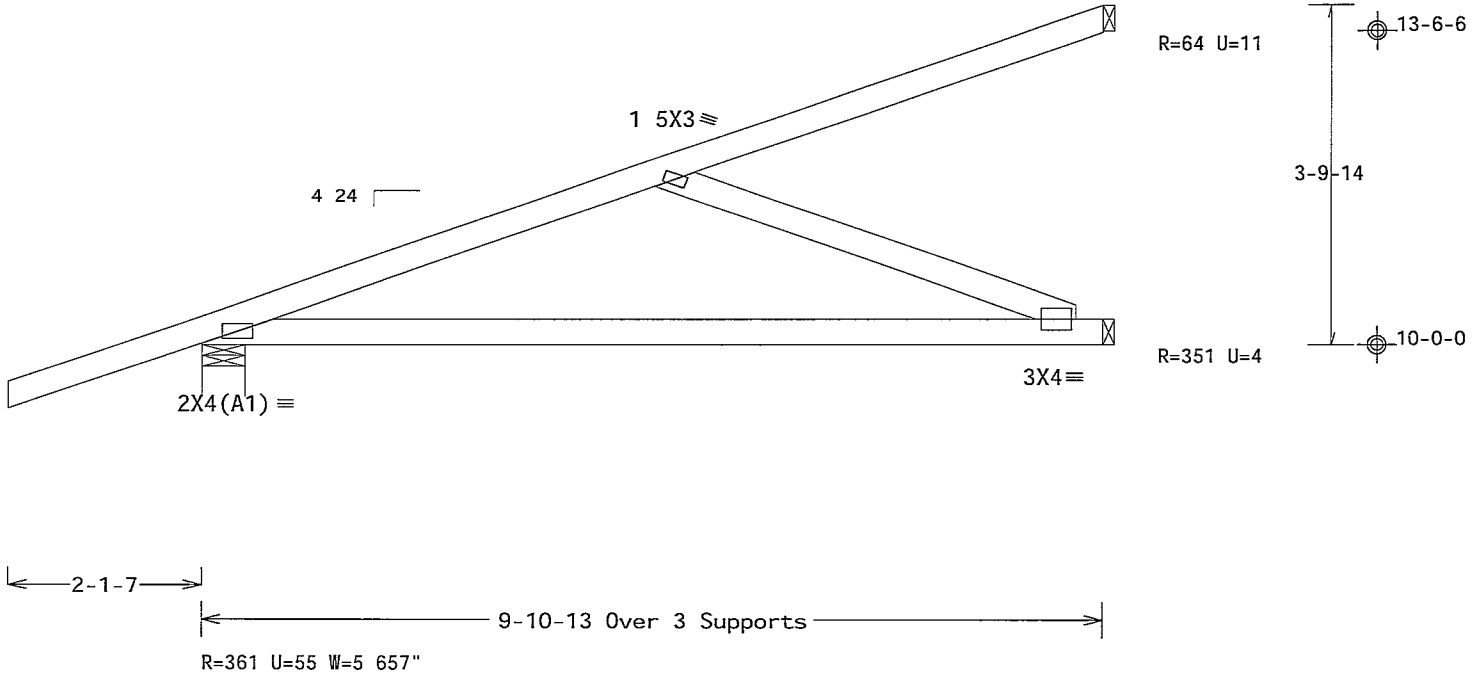
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 0 plf at -2 12 to 55 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 9 90
BC- From 0 plf at -2 12 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 9 90
TC- 4 43 lb Conc Load at 1 48
TC- 127 84 lb Conc Load at 4 31
TC- 237 50 lb Conc Load at 7 13
BC- 22 21 lb Conc Load at 1 48
BC- 102 47 lb Conc Load at 4 31
BC- 178 95 lb Conc Load at 7 13

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=10%(0%)/0(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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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82583
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092044
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29770
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H7A 34' Stepdown Hip Girder)

Top chord 2x4 SP 2850f-2 3E T1 2x4 SP M-30
T4 2x4 SP #1-13B
Bot chord 2x4 SP 2850f-2 3E
Webs 2x4 SP #3-13B

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

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

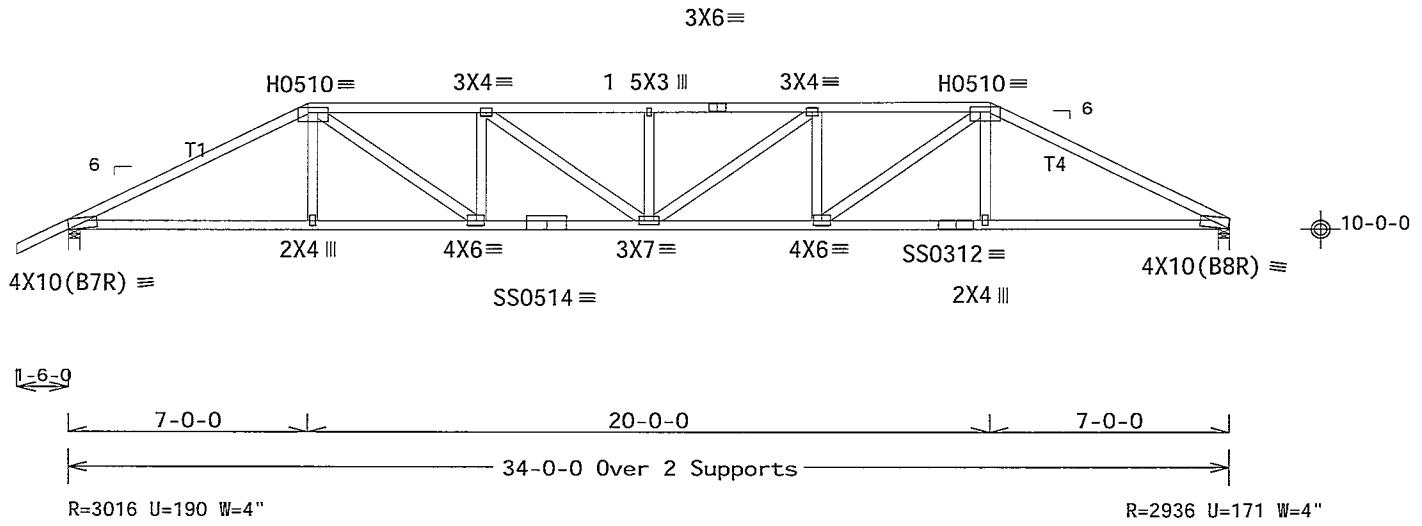
Wind loads and reactions based on MWFRS

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

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

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 50 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 19 00
TC- From 28 plf at 19 00 to 28 plf at 27 00
TC- From 56 plf at 27 00 to 56 plf at 34 00
BC- From 4 plf at -1 50 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 7 03
BC- From 10 plf at 7 03 to 10 plf at 14 00
BC- From 10 plf at 14 00 to 10 plf at 26 00
BC- From 20 plf at 26 00 to 20 plf at 34 00
TC- 231 53 lb Conc Load at 7 03
TC- 167.93 lb Conc Load at 9 06,11 06,13 06,15 06 17 00,18 94,20 94,22 94,24 94
TC- 233 32 lb Conc Load at 26 97
BC- 453 90 lb Conc Load at 7 03
BC- 126 32 lb Conc Load at 9 06,11 06,13 06,15 06 17 00,18 94,20 94,22 94,24 94
BC- 469 20 lb Conc Load at 26 97



PLT TYP 20 Gauge HS,18 Gauge HS, Wave Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 12.03.04 Repl 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
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82584
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092045
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29773
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H7B 25' Stepdown Hip Girder)

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

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

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

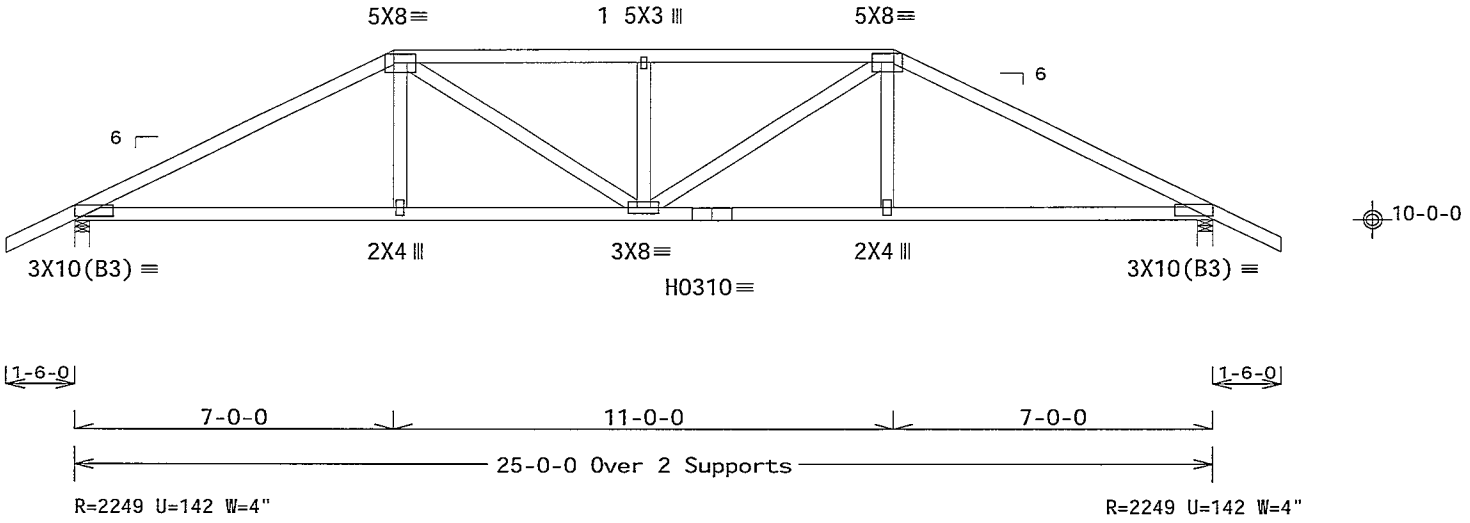
Wind loads and reactions based on MWFRS

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

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

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 50 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 18.00
TC- From 56 plf at 18 00 to 56 plf at 26 50
BC- From 4 plf at -1 50 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 7 03
BC- From 10 plf at 7 03 to 10 plf at 14 00
BC- From 10 plf at 14 00 to 10 plf at 17 97
BC- From 20 plf at 17 97 to 20 plf at 25 00
BC- From 4 plf at 25 00 to 4 plf at 26.50
TC- 231 53 lb Conc Load at 7 03,17 97
TC- 167 93 lb Conc Load at 9 06,11 06,12 50,13 94 15 94
BC- 453 90 lb Conc Load at 7 03,17 97
BC- 126 32 lb Conc Load at 9 06,11 06,12 50,13 94 15 94



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave | FT/RT=10%(0%)/0(0) | 12.03.04 0326 14 | 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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82585
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092046
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29774
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H7D 39'10" Stepdown Hip Girder)

Top chord 2x6 SP M-26 T4 2x4 SP M-30
Bot chord 2x6 SP SS-13B B3 2x6 SP #1 Dense-13B
Webs 2x4 SP #3-13B W2 2x4 SP 2850f-2 3E
W4 W8 2x4 SP #2-13B

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

Brg blocks 0 131 x3 min nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
1	0 000	1	12	4	Rigid Surface
2	39 542	1	12	4	Rigid Surface

Brg block to be same size and species as chord
Refer to drawing CNNAILSP0109 for more information

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

Wind loads and reactions based on MWFRS

Left end vertical not exposed to wind pressure

Max JT VERT DEFL LL 0 63 DL 0 80 See detail DEFLCAMB0813 for camber recommendations Roofs incorporating this truss require consideration for ponding design by Building Designer

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

Calculated vertical deflection is 0 63 due to live load and 0 80 due to dead load at X = 16-4-13

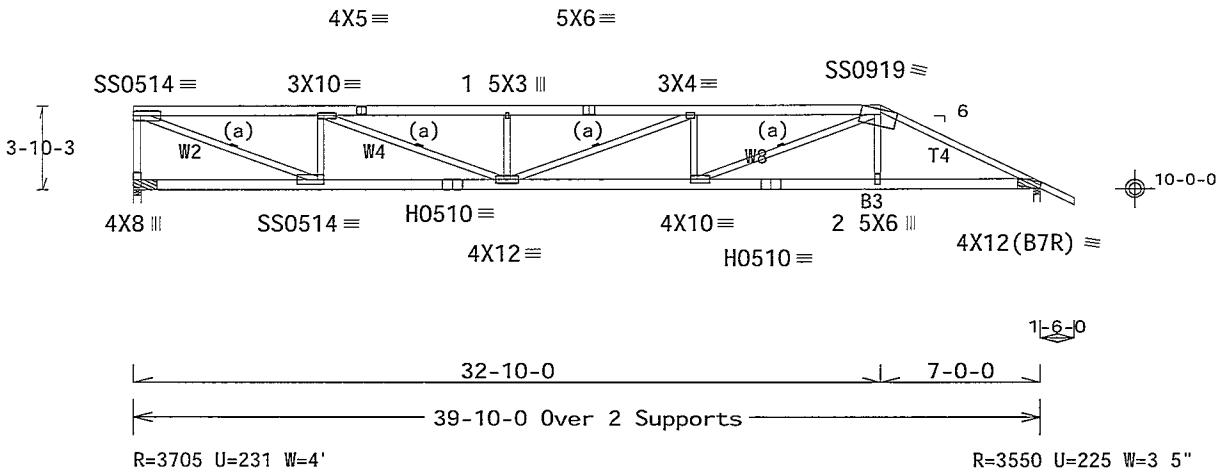
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 28 plf at 0 00 to 28 plf at 10 00
TC- From 28 plf at 10 00 to 28 plf at 20 00
TC- From 28 plf at 20 00 to 28 plf at 32 83
TC- From 56 plf at 32 83 to 56 plf at 41 33
BC- From 10 plf at 0 00 to 10 plf at 14 00
BC- From 10 plf at 14 00 to 10 plf at 28 00
BC- From 10 plf at 28 00 to 10 plf at 32 80
BC- From 20 plf at 32 80 to 20 plf at 39 83
BC- From 4 plf at 39 83 to 4 plf at 41 33
TC- 167 93 lb Conc Load at 1 06, 3 06, 5 06, 7 06 9 06,11 06 13 06 15 06,17 06,19 06,20 77,22 77,24 77 26 77,28 77 30 77
TC- 231 53 lb Conc Load at 32 80
BC- 126 32 lb Conc Load at 1 06, 3 06, 5 06, 7 06 9 06,11 06,13 06 15 06,17 06 19 06,20 77,22 77,24 77 26 77,28 77 30 77
BC- 453 90 lb Conc Load at 32 80

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

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

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



PLT TYP. 20 Gauge HS,18 Gauge HS, Wave Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 12.03 04.0336.14 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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

Trusses requ re extreme care in fabr cat ng handl ng 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 rig 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 applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng nstallat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this draw ng or cover page l st ng this draw ng indicates acceptance of professional engineering responsibility solely for the design shown The suitab lity and use of this design for any structure is the responsibil ty of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82586
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092047
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT LD	37.0 PSF	SEQN-	29775
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H7C 25' Stepdown Hip Girder)

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

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

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

Wind loads and reactions based on MWFRS

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

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

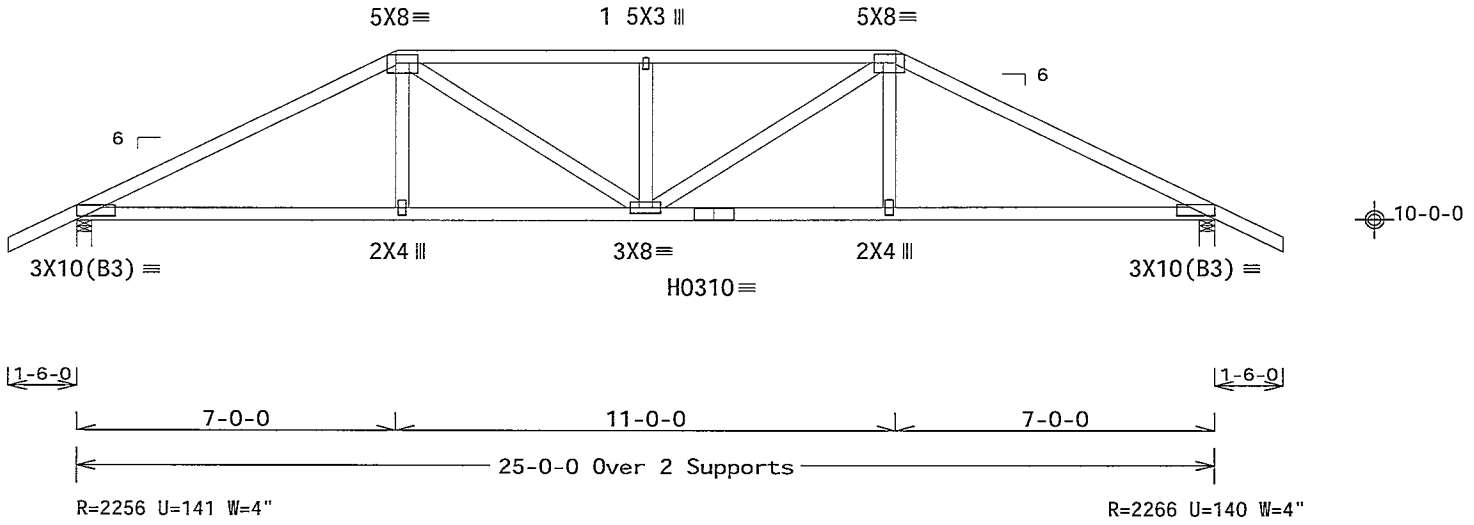
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Special loads

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

TC- From	56 plf at	-1 50	to	56 plf at	7 00
TC- From	28 plf at	7 00	to	28 plf at	18 00
TC- From	56 plf at	18 00	to	56 plf at	26 50
BC- From	4 plf at	-1 50	to	4 plf at	0 00
BC- From	20 plf at	0 00	to	20 plf at	7 03
BC- From	10 plf at	7 03	to	10 plf at	14 00
BC- From	10 plf at	14 00	to	10 plf at	17 97
BC- From	20 plf at	17 97	to	20 plf at	25 00
BC- From	4 plf at	25 00	to	4 plf at	26 50

TC- 231 53 lb Conc Load at 7 03,17 97
TC- 167 93 lb Conc Load at 9 06,11 06,12 50,13 94 15 94
BC- 453 90 lb Conc Load at 7 03
BC- 126 32 lb Conc Load at 9 06,11 06,12 50,13 94 15 94
BC- 477 04 lb Conc Load at 17 97



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 12.03.04 0326 14 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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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 handling sh pping installation & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A seal on this drawing or cover page listing th s drawing nd cates acceptance of profess onal engineering responsibility solely for the design shown The suitabil ty and use of th s des gn for any structure is the respons bility of the Build ng Des gner per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82587
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092048
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT LD.	37 0 PSF	SEQN-	29776
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H7E 16' Stepdown Hip Girder)

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

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

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

Wind loads and reactions based on MWFRS

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

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

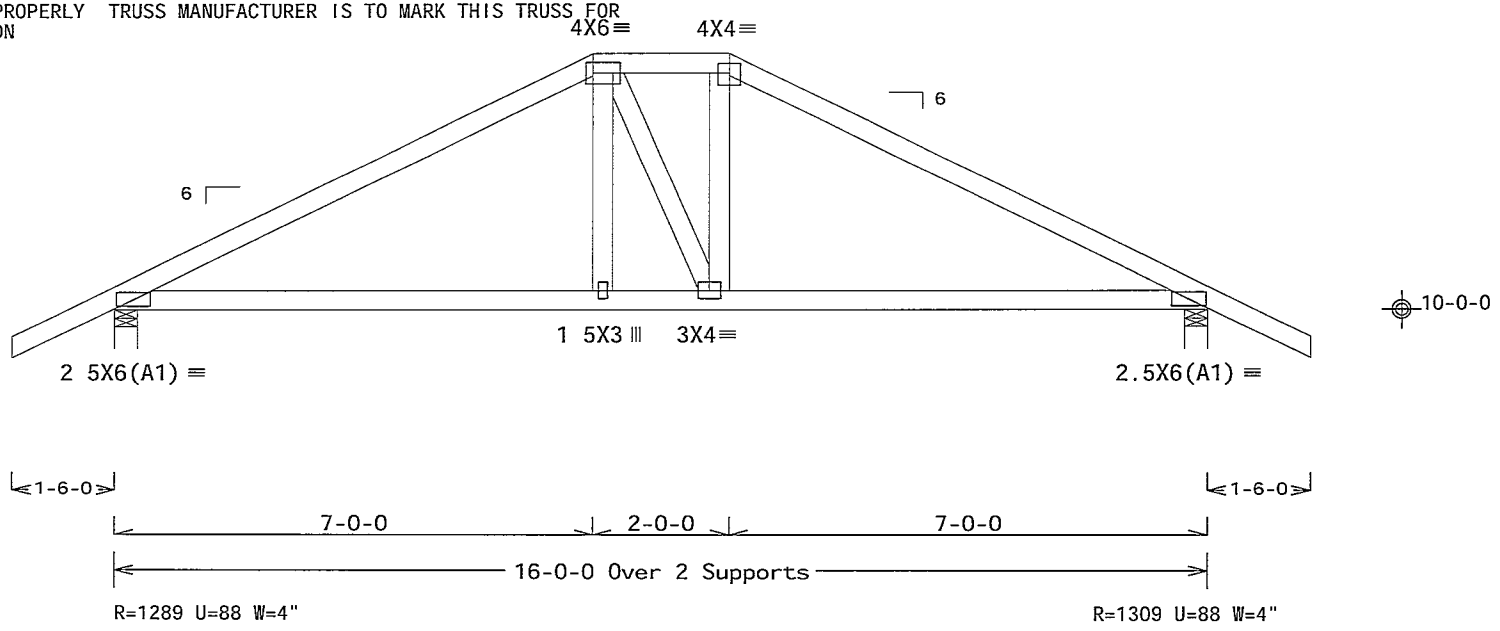
WARNING! THIS TRUSS IS NOT SYMMETRIC, BUT ITS EXTERIOR GEOMETRY MAKES ERECTION ERROR MORE PROBABLE IT IS IMPERATIVE THAT THIS TRUSS BE INSTALLED PROPERLY TRUSS MANUFACTURER IS TO MARK THIS TRUSS FOR PROPER ERECTION

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

TC-	From	56 plf	at	-1 50	to	56 plf at 7 00
TC-	From	56 plf	at	7.00	to	56 plf at 9 00
TC-	From	56 plf	at	9 00	to	56 plf at 17 50
BC-	From	4 plf	at	-1 50	to	4 plf at 0 00
BC-	From	20 plf	at	0 00	to	20 plf at 7 06
BC-	From	10 plf	at	7 06	to	10 plf at 8 97
BC-	From	20 plf	at	8 97	to	20 plf at 16 00
BC-	From	4 plf	at	16 00	to	4 plf at 17 50

TC- 250 81 lb Conc Load at 7 06
TC- 231 53 lb Conc Load at 8 97
BC- 289 86 lb Conc Load at 7 06
BC- 453 90 lb Conc Load at 8 97

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



Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04.0336.14 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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ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling sh pping installation brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos tions A seal on this drawing or cover page i st ng th s draw ng nd cates acceptance of professional engineering responsib l ty solely for the des gn shown The su tab l ity and use of this design for any structure is the responsib l 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

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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82588
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092049
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37.0 PSF	SEQN-	29777
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H9 33'11"14 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

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

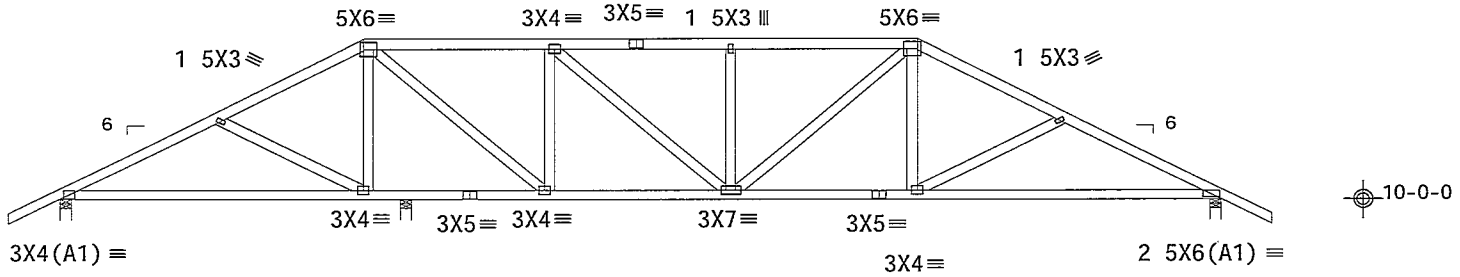
MWFRS loads based on trusses located at least 7 50 ft from roof edge

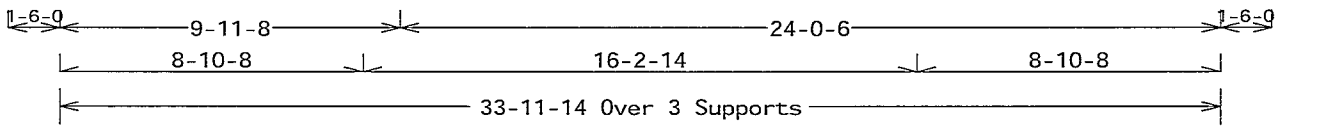
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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





R=935 U=36 W=4"
RL=89/-89

R=627 U=38 W=4"

R=1190 U=51 W=3 5'

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(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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LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
04/02/2014

TC LL	20 0 PSF	REF	R9114- 82589
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092050
BC LL	0.0 PSF		HC-ENG KD/WPF
TOT LD	37.0 PSF	SEQN-	29749
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H9B 25' 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

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

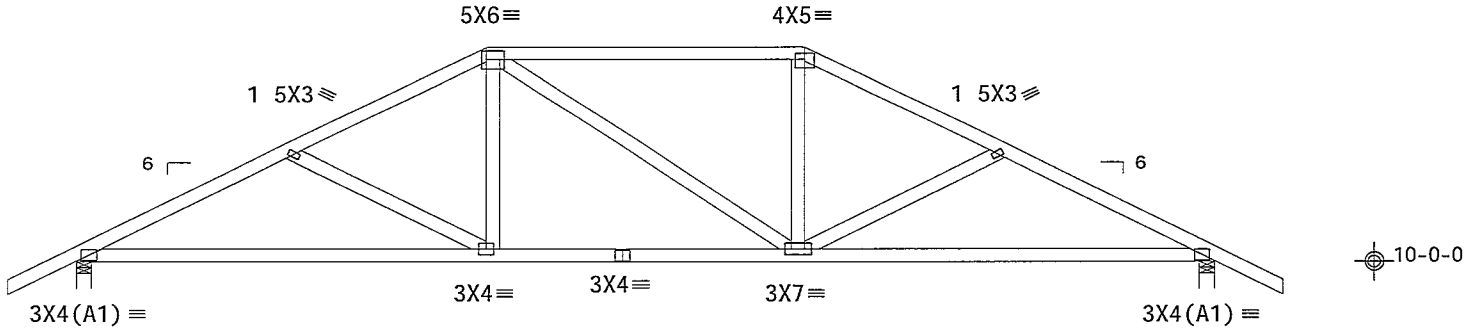
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



R=1036 U=47 W=4"
RL=88/-88

R=1036 U=47 W=4'

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03 04 [illegible]4 QTY:2 FL/-/5/-/-/R/- Scale =.25"/Ft.

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

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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82590
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092051
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37.0 PSF	SEQN-	29750
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H9A 34' 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

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

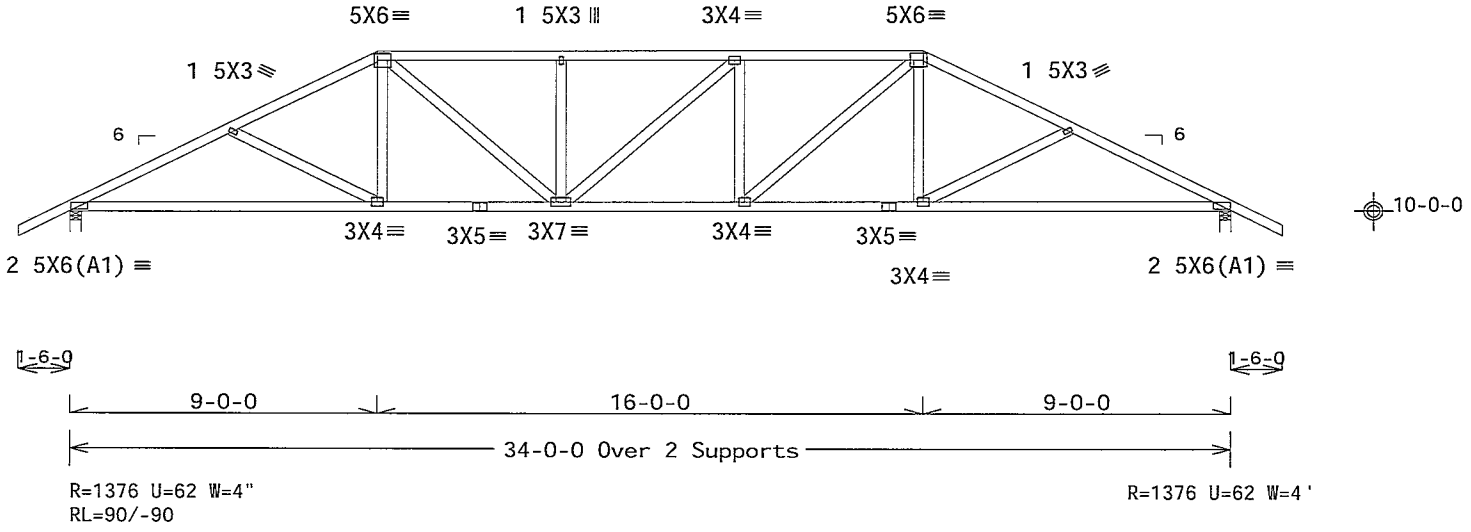
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04 [illegible]4 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
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82591
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092052
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29751
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H9D 39 10" 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) 1x4 #3SRB SPF-S or better "T" brace 80% length of web member Attach with 8d Box or Gun (0 113"x2 5",min)nails @ 6" OC

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

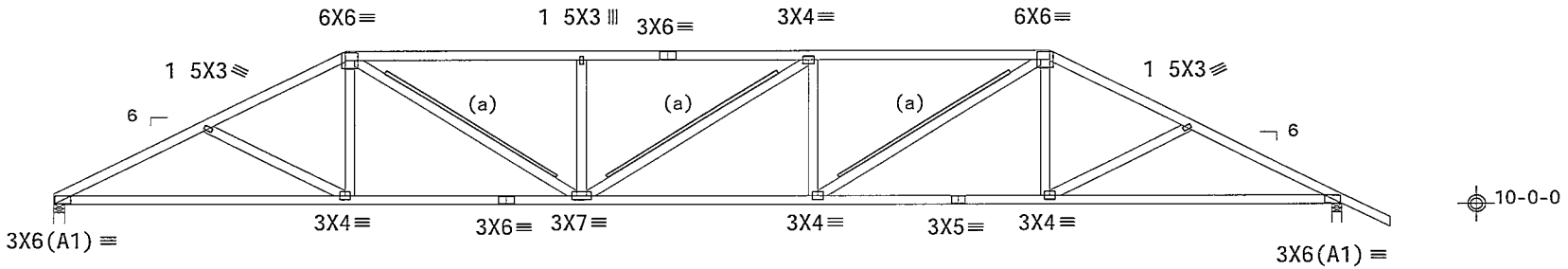
MWFRS loads based on trusses located at least 7 50 ft from roof edge

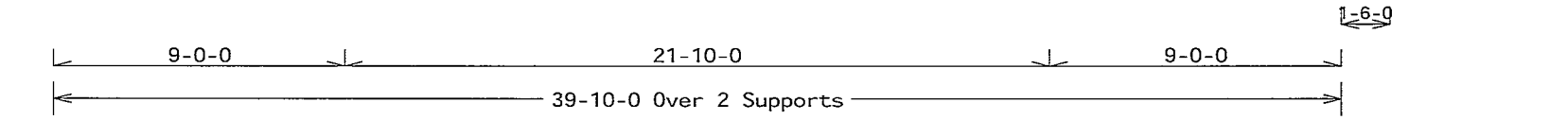
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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





R=1505 U=59 W=4"
RL=84/-78

R=1599 U=73 W=3 5"

Design Crit: FBC2010Res/TPI-2007(STD)

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

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

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

Trusses require extreme care in fabricating handling sh pp ng install ng and bracing Refer to and follow the latest ed tion of BCSI (Building Component Safety Information by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restra nt of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this des n any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handling shipping installation bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions A seal on this drawing or cover page listing th s drawing ind cates acceptance of professional engineering responsibility solely for the des gn shown The suitabil ty and use of this design for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82592
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092053
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29752
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H11A 34' 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

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

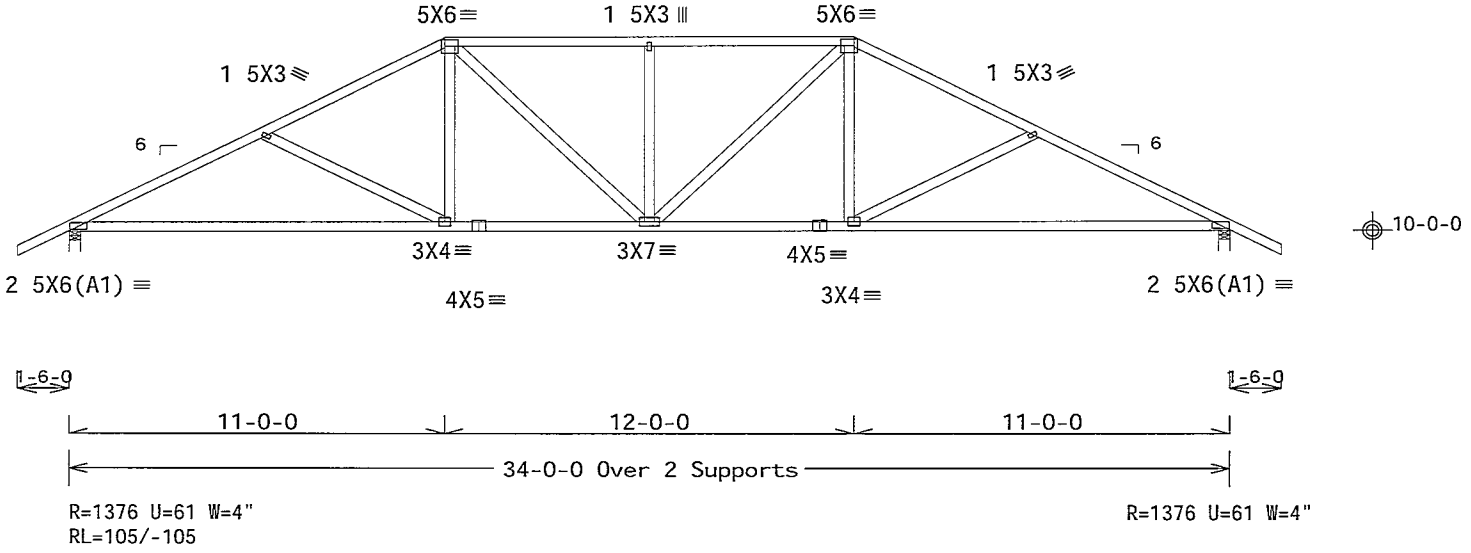
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04 0010.14 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 ation from this design any failure to build the truss n conformance w th ANSI/TPI 1 or for handling sh pping installation bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Deta is unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on this drawing or cover page listing th s drawing nd cates acceptance of professional engineering responsib l ty solely for the des gn shown The su tability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82593
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092054
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29753
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H11B 25' 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

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

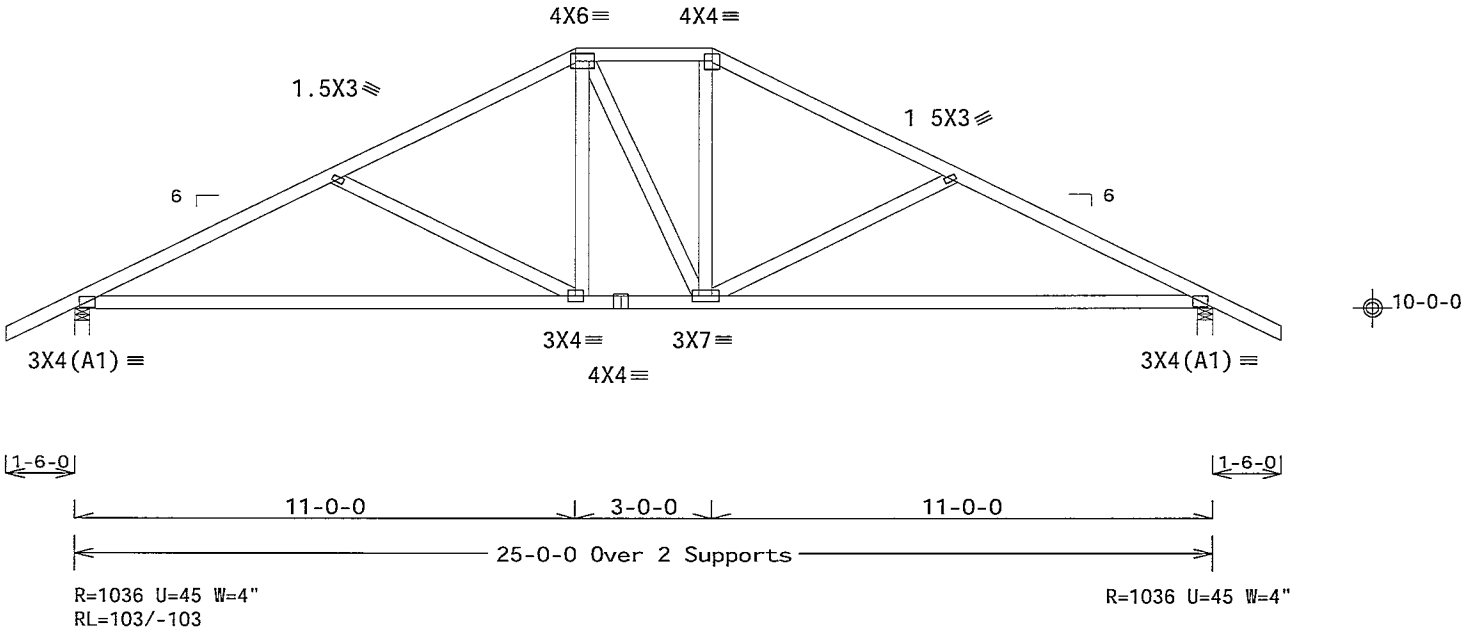
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04 08:26:14 | QTY:2 | FL/-/5/-/-/R/- | Scale =.25"/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 responsible for any deviation from this design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipping installation bracing 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 drawings 160A-Z for standard plate pos tions A seal on this draw ng or cover page l st ng this draw ng indicates acceptance of professional engineering responsibility solely for the design shown The suitab lity and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82594
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092055
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29754
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H11D 39'10" 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

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

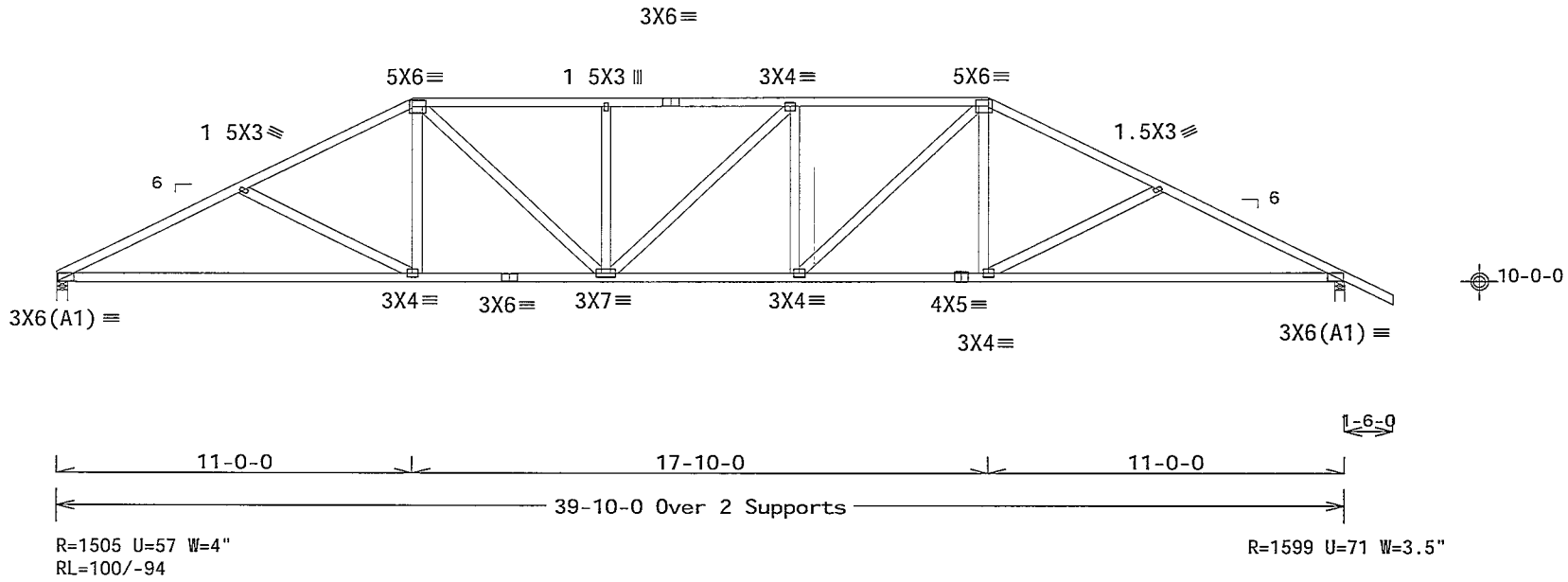
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04 03:26:14 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
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82595
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092056
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29755
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H12 25' 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

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

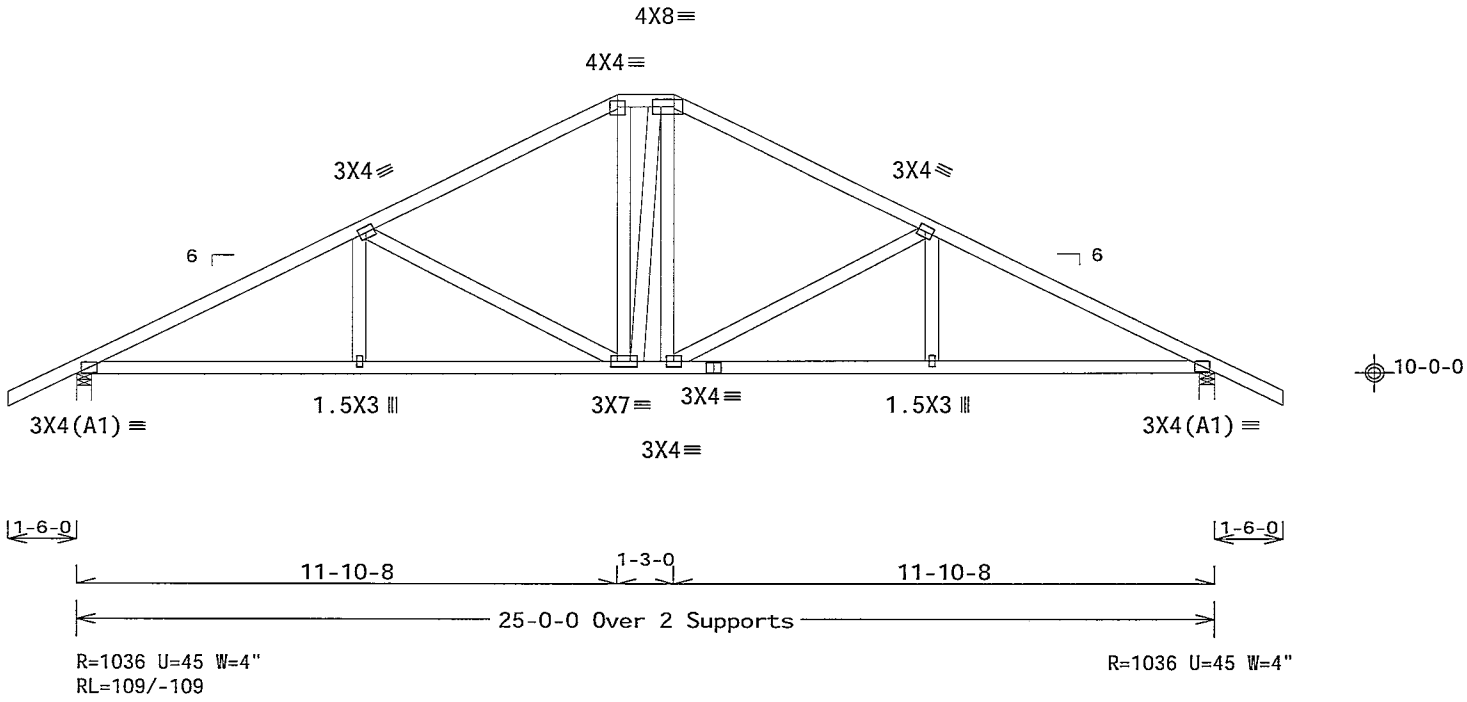
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04 03/26/14 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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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82596
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092057
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37 0 PSF	SEQN-	29756
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H13A 34' 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

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

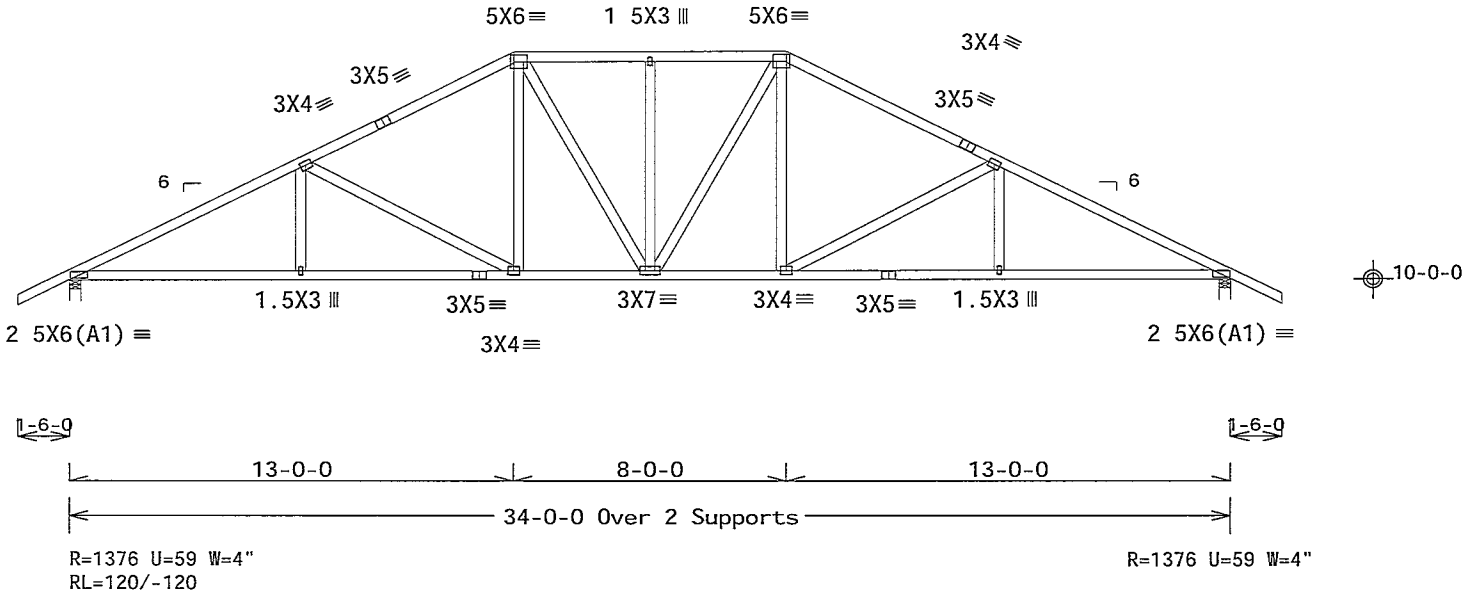
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04 OCT 06 14 | 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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04/02/2014

TC LL	20.0 PSF	REF	R9114- 82597
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092058
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37.0 PSF	SEQN-	29757
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - H13D 39 10' 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) 1x4 #3SRB SPF-S or better 'T brace 80% length of web member Attach with 8d Box or Gun (0 113"x2 5",min)nails @ 6' OC

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

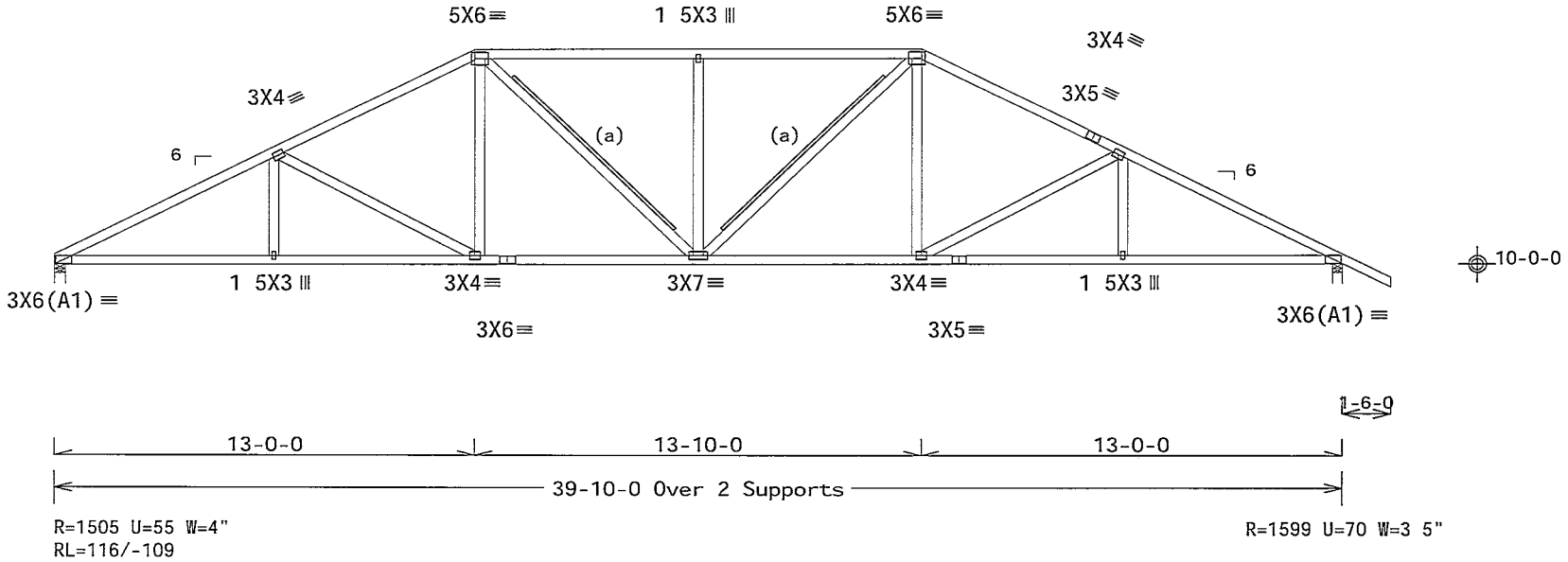
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

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

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

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

04/02/2014

TC LL	20.0 PSF	REF	R9114- 82598
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092059
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37.0 PSF	SEQN-	29758
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City FL - H15A 34 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

Left cantilever is exposed to wind

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

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

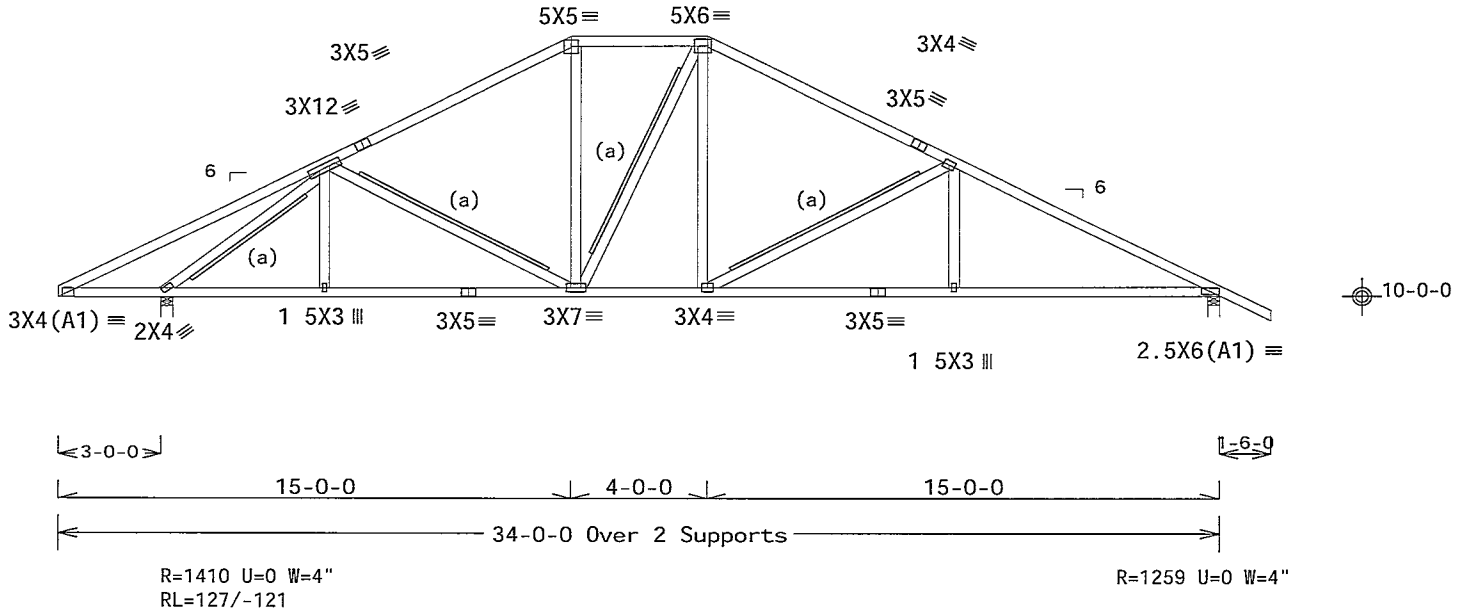
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

(a) 1x4 #3SRB SPF-S or better T" brace 80% length of web member Attach with 8d Box or Gun (0 113'x2 5",min)nails @ 6" OC

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



Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04 0806.14 | QTY.1 | FL/-/5/-/-/R/- | Scale =.1875"/Ft.

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

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ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipping installation brac ng of trusses Apply plates to each face of truss and 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 this drawing indicates acceptance of professional engineering responsib l ty solely for the des gn shown The suitab lity and use of this design for any structure is the responsibility of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more information see Th s job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82599
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092060
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29759
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH7 34 Stepdown Hip Girder)

Top chord 2x4 SP 2850f-2 3E T1 2x4 SP #1-13B
Bot chord 2x4 SP 2850f-2 3E B3 2x4 SP M-30
Webs 2x4 SP #3-13B W8 2x4 SP #2-13B
W10 2x4 SP #1-13B

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

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

Wind loads and reactions based on MWFRS

(a) 1x4 #3SRB SPF-S or better "T" brace 80% length of web member Attach with 8d Box or Gun (0 113"x2 5",min)nails @ 6" OC

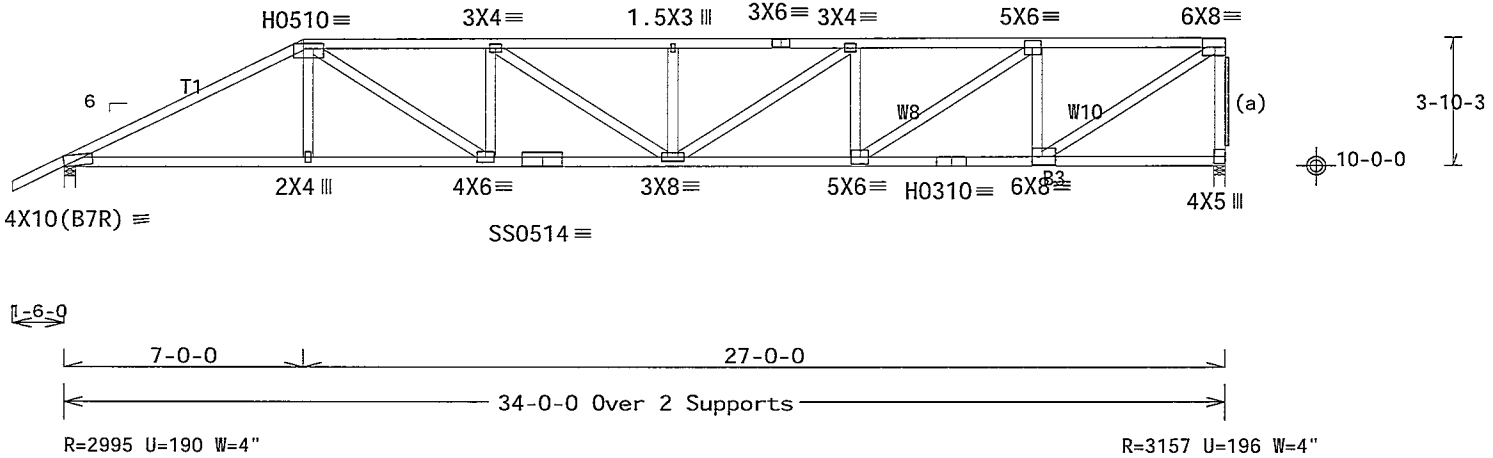
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 50 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 21 00
TC- From 28 plf at 21 00 to 28 plf at 34 00
BC- From 4 plf at -1 50 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 7.03
BC- From 10 plf at 7 03 to 10 plf at 14 00
BC- From 10 plf at 14 00 to 10 plf at 26 00
BC- From 10 plf at 26 00 to 10 plf at 34 00
TC- 231 53 lb Conc Load at 7 03
TC- 167 93 lb Conc Load at 9 06,11 06,13 06,15 06 17 00,18 94,20 94,22 94,24 94,26 94,28 91,30 91,32.91
BC- 453 90 lb Conc Load at 7 03
BC- 126 32 lb Conc Load at 9 06,11 06,13 06,15 06 17 00,18 94,20 94,22 94,24 94,26 94,28 91,30 91,32 91

Right end vertical not exposed to wind pressure

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



PLT TYP 20 Gauge HS,18 Gauge HS, Wave Design Crit. FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 12.03.04.0886.14 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82600
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092061
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29778
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH7A 16 Stepdown Hip Girder)

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

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

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

Wind loads and reactions based on MWFRS

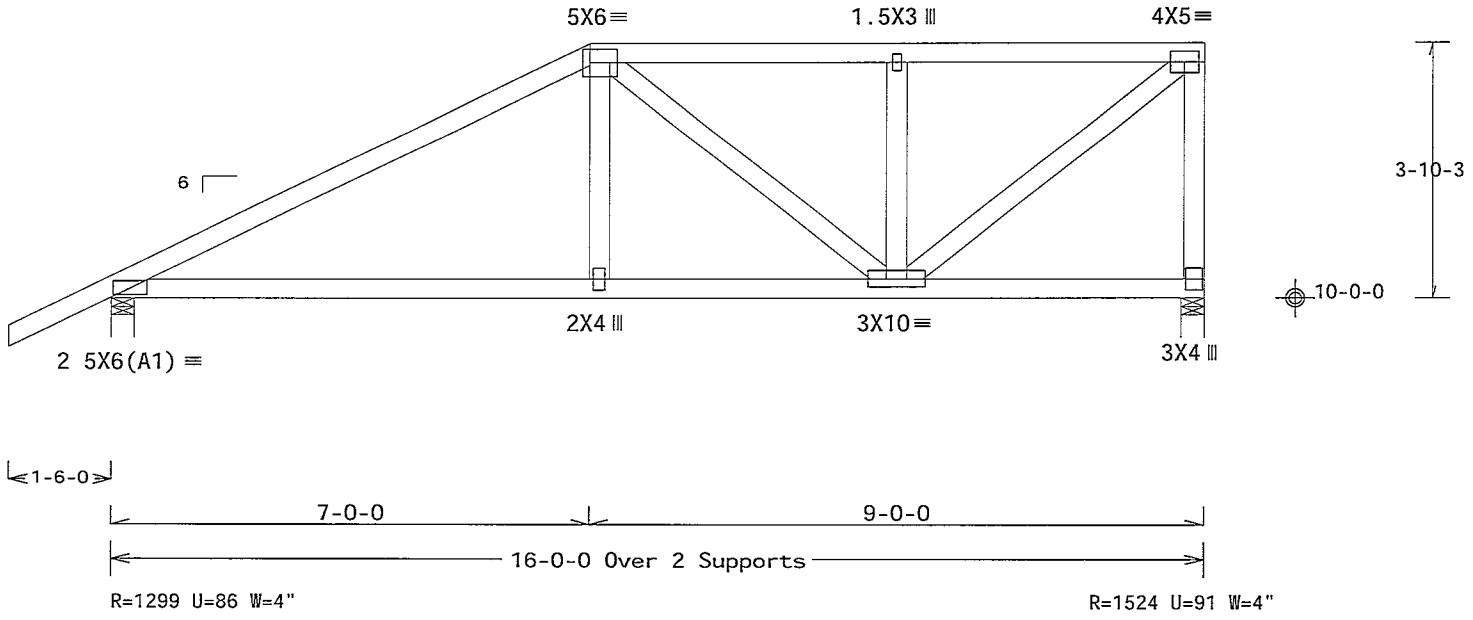
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -1 50 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 16 00
BC- From 4 plf at -1 50 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 7 03
BC- From 10 plf at 7 03 to 10 plf at 16 00
TC- 231 53 lb Conc Load at 7 03
TC- 167 93 lb Conc Load at 8 94,10 94,12 94,14 94
BC- 453 90 lb Conc Load at 7 03
BC- 126 32 lb Conc Load at 8 94,10 94,12 94,14 94

Right end vertical not exposed to wind pressure

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04 [illegible] 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
04/02/2014

TC LL	20 0 PSF	REF	R9114- 82601
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092062
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29779
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH9 34 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

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

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

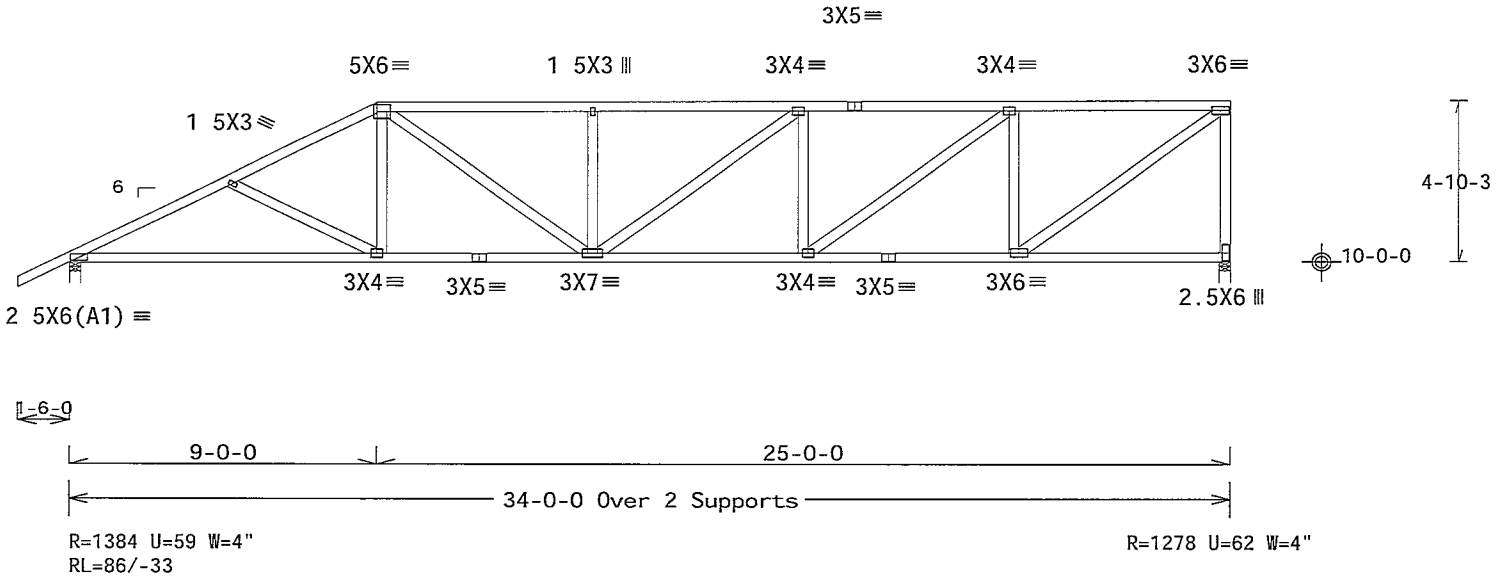
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(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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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this desi any failure to build the trusses in conformance with ANSI/TPI 1 or for handling shipping installation brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this draw ng or cover page l st ng th s draw ng ind cates acceptance of professional engineering responsibil ty solely for the design shown The su tab l ity and use of this design for any structure is the responsibil ty of the Bu ld ng 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 ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82602
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092063
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29760
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH11 34' 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

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

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

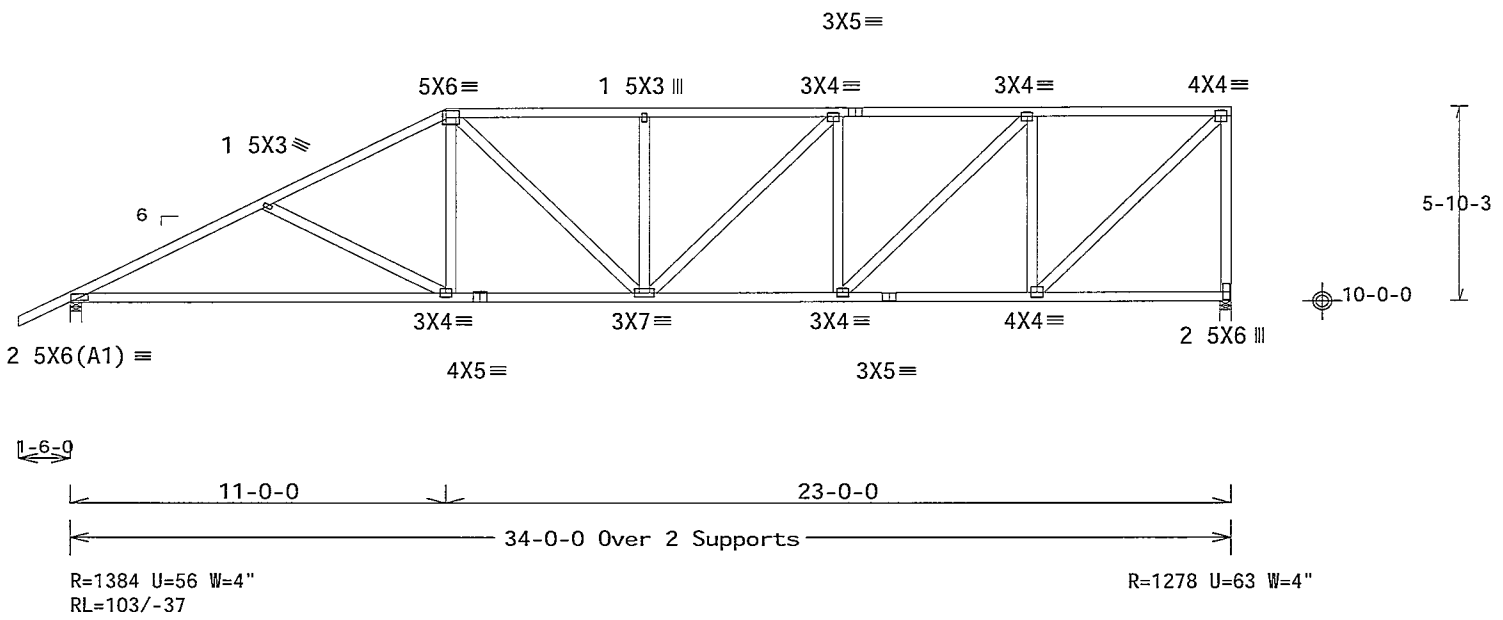
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(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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ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this desi any fa lure to build the truss n conformance with ANSI/TPI 1 or for handling shipping nstallation bracing 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 drawings 160A-Z for standard plate positions A seal on th s drawing or cover page listing this drawing indicates acceptance of professional eng neer ng responsibility solely for the design shown The suitability and use of this design for any structure s the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more informat on see This job s general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82603
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092064
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT LD.	37.0 PSF	SEQN-	29761
DUR.FAC.	1.25		
SPACING	24 0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH13 34' 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) 1x4 #3SRB SPF-S or better "T" brace 80% length of web member Attach with 8d Box or Gun (0 113"x2 5",min)nails @ 6" OC

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

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

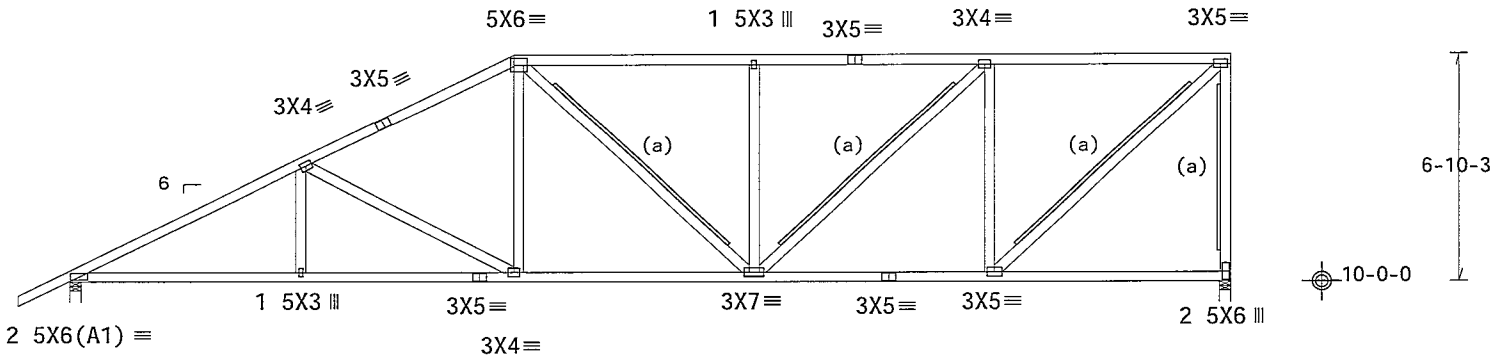
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

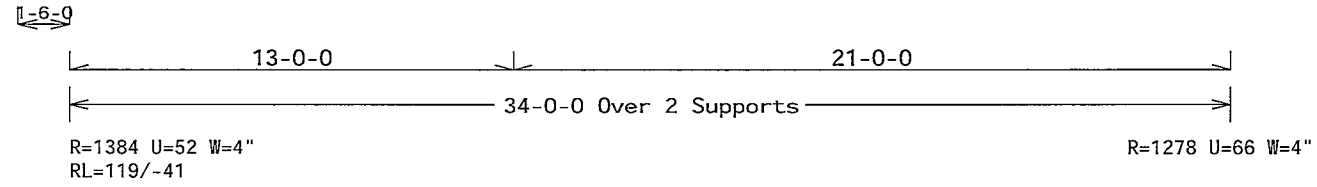
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure.

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

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





Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04 4 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
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82604
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092065
BC LL	0 0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29762
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH15 34' 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) 1x4 #3SRB SPF-S or better "T" brace 80% length of web member Attach with 8d Box or Gun (0 113"x2 5",min)nails @ 6" OC

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

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

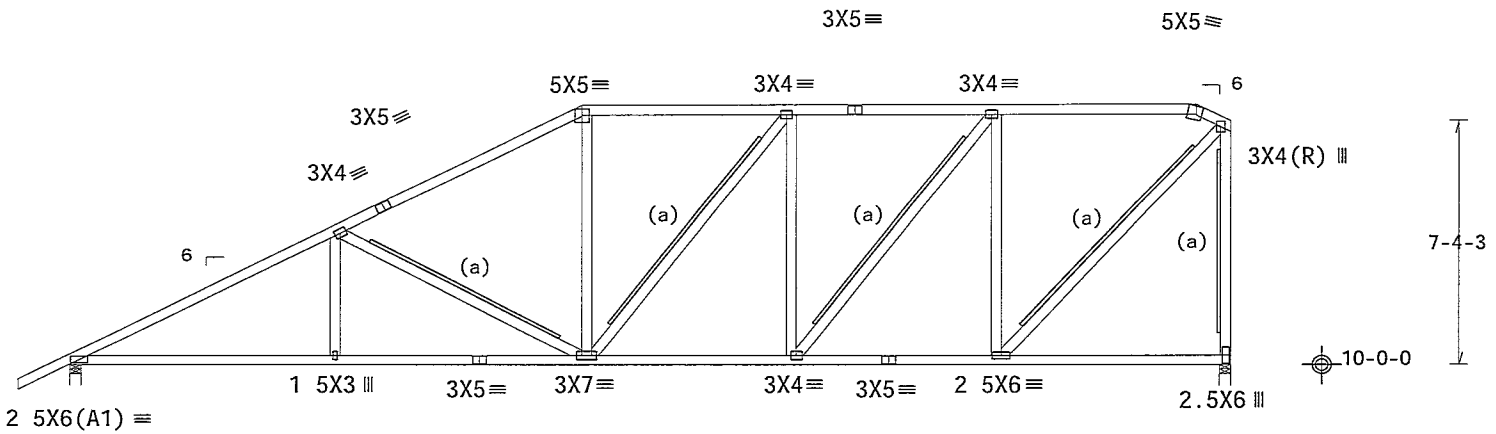
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

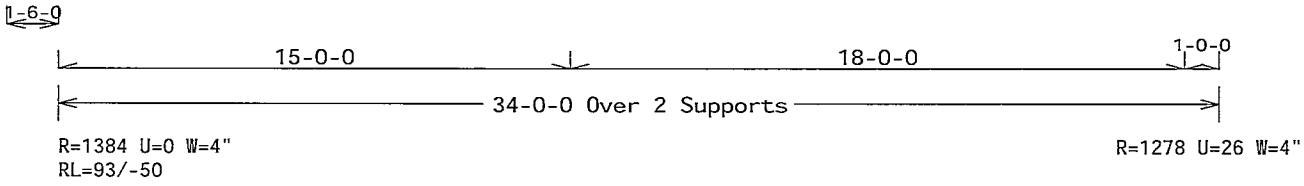
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

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

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





Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04 TPI | 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
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82605
TC DL	7 0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092066
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37 0 PSF	SEQN-	29763
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH17 34' 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

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

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

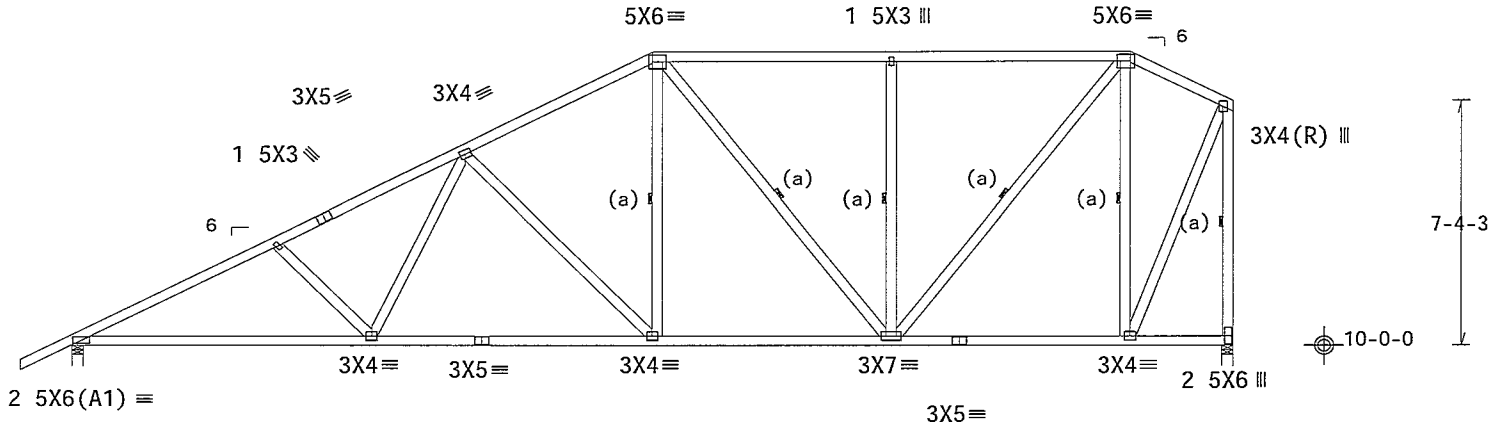
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

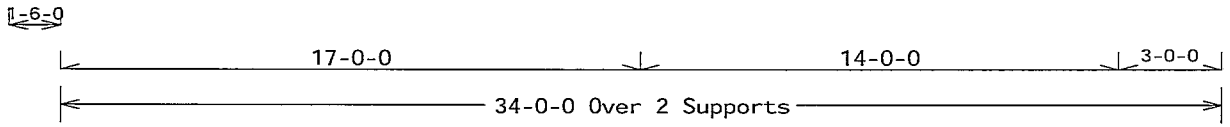
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

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

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





R=1384 U=0 W=4"
RL=108/-65

R=1278 U=5 W=4"

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03 04 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses require extreme care n fabricat ng handl ng sh pp ng install ng and brac ng Refer to and follow the latest ed t on of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r gid ceiling Locations shown for permanent lateral restra nt of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

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

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20.0 PSF	REF	R9114- 82606
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092067
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37 0 PSF	SEQN-	29764
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH19 34' 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

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

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

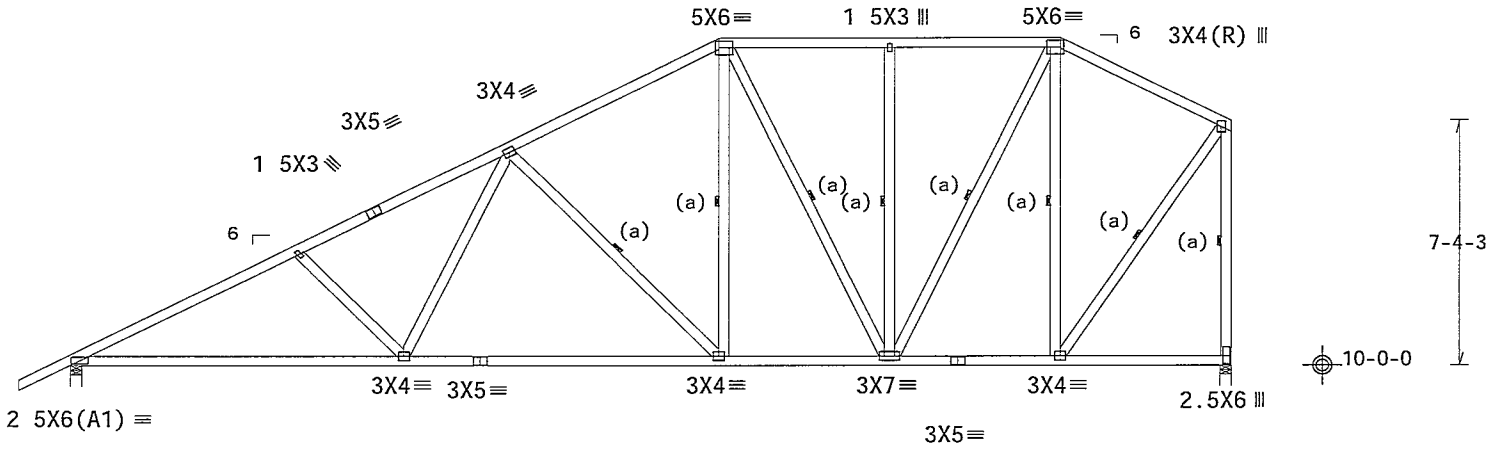
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(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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ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from th s design any failure to build the truss n conformance w th ANSI/TPI 1 or for handling sh pping installation & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on this drawing or cover page listing th s drawing nd cates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the respons bility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/02/2014

TC LL	20 0 PSF	REF	R9114- 82607
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092068
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29765
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

CLR Reinforcing Member Substitution

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

Notes

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

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

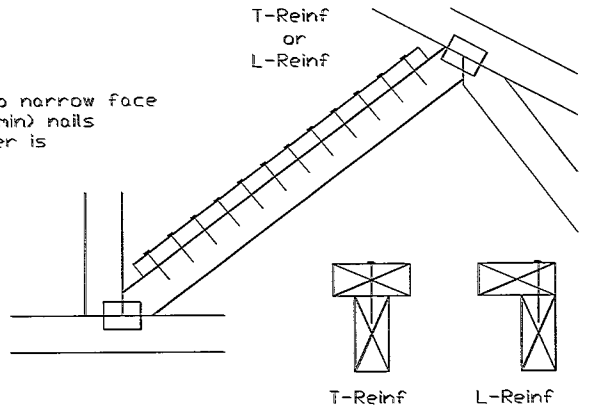
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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

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

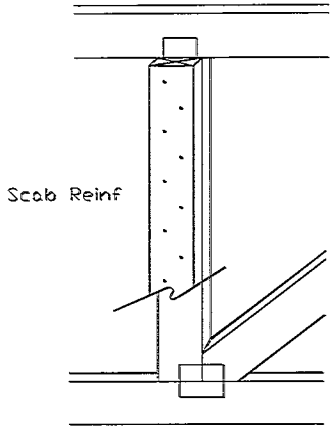
T-Reinforcement or L-Reinforcement

Apply to either side of web narrow face Attach with 10d (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
Building Components Group Inc.

Earth City MO 63045

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

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

04/02/2014

Commentary Deflection and Camber

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

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

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

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

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

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

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

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits	
		Live Load	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	075" (horizontal)	125" (horizontal)

Truss Type	Recommended Camber
Pitched Trusses	100 x Deflection from Actual Dead Load
Sloping Parallel Chord Trusses	15 x Vertical Deflection from Actual Dead Load
Floor Trusses	(025 x Deflection from Live Load) + Actual Dead Load
Flat Roof Trusses	(025 x Deflection from Live Load) + (15 x Design Dead Load Deflection)

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

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14

REF	DEFLEC/CAMB
DATE	8/2/13
DRWG	DEFLCAMB0813