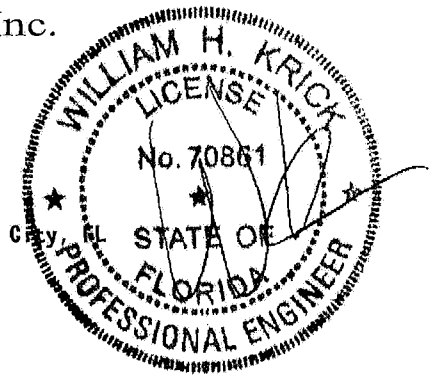
ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
 Document ID 1V1V487-Z0304112444



Truss Fabricator	**Anderson Truss Company**
Job Identification	**13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL**
Truss Count	**93**
Model Code	**Florida Building Code 2010**
Truss Criteria	**FBC2010Res/TPI-2007(STD)**
Engineering Software	**Alpine Software,Version 12.03.**
Structural Engineer of Record	**The identity of the structural EOR did not exist as of**
Address	**the seal date per section 61G15-31.003(5a) of the FAC**
Minimum Design Loads	**Roof - 37.0 PSF @ 1.25 Duration**
	Floor - N/A
	Wind - 120 MPH ASCE 7-10 -Closed

12/04/2013

Notes

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

William H Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	02645-EJ11	19'11 8 End	13337096	12/03/13
2	02646-EJ12	19 11 8 End	13337065	12/03/13
3	02647--EJ3	3' End Jack	13337148	12/03/13
4	02648--EJ3	3 End Jack	13337142	12/03/13
5	02649--EJ3	3' End Jack	13337064	12/03/13
6	02650-EJ3	2 6'8 End Ja	13337112	12/03/13
7	02651-EJ3	2'6'8 End Ja	13337073	12/03/13
8	02652--EJ5	5 End Jack	13337144	12/03/13
9	02653--EJ7	7' End Jack	13337113	12/03/13
10	02654--EJ7	7 End Jack	13337081	12/03/13
11	02655--EJ7	7' End Jack	13337124	12/03/13
12	02656-EJ9	19 11"8 End	13337074	12/03/13
13	02657-EJG7	19'11 8 End	13337097	12/03/13
14	02658-FTG1	15'4"1 Flat	13337123	12/03/13
15	02659-H11A	32 8" Stepd	13337133	12/03/13
16	02660-H13A	32'8" Stepd	13337134	12/03/13
17	02661-H15A	32'8 Stepd	13337136	12/03/13
18	02662-H9A	24"8 Stepdo	13337076	12/03/13
19	02663-H9B	19 2" Stepdo	13337121	12/03/13
20	02664-H9C	32'8 Stepdo	13337132	12/03/13
21	02665-HG11A	24 8" Step	13337126	12/03/13
22	02666-HG3A	13'8 Stepd	13337075	12/03/13
23	02667-HG5A	13' Stepdow	13337143	12/03/13
24	02668-HG7A	15'11 8 Ste	13337083	12/03/13
25	02669-HG7B	24 8" Stepd	13337080	12/03/13
26	02670-HG7C	19'2' Stepd	13337130	12/03/13
27	02671-HG7D	32 8" Stepd	13337147	12/03/13
28	02672-HG7E	32'8" Stepd	13337116	12/03/13
29	02673-HG9A	24 8' Stepd	13337138	12/03/13
30	02674-HJ10	9 10"13 Hip	13337141	12/03/13
31	02675-HJ10	9'10 13 Hip	13337129	12/03/13
32	02676-HJ10	9 10"13 Hip	13337127	12/03/13
33	02677-HJ10	9'10 13 Hip	13337078	12/03/13
34	02678-HJ10	9 10"13 Hip	13337135	12/03/13
35	02679-HJ10	9'10 13 Hip	13337095	12/03/13
36	02680-HJ4	4'2"3 Hip Ja	13337150	12/03/13
37	02681-HJ4	3'6'6 Hip Ja	13337062	12/03/13
38	02682-HJ7	7 0"14 Hip J	13337146	12/03/13
39	02683--J1	1' Jack	13337149	12/03/13
40	02684--J1	1' Jack	13337069	12/03/13
41	02685--J1	1' Jack	13337093	12/03/13
42	02686--J1	1' Jack	13337077	12/03/13
43	02687--J1	1' Jack	13337114	12/03/13
44	02688--J3	3' Jack	13337070	12/03/13
45	02689--J3	3' Jack	13337125	12/03/13
46	02690--J3	3' Jack	13337092	12/03/13
47	02691--J3	3' Jack	13337105	12/03/13
48	02692--J5	5' Jack	13337090	12/03/13
49	02693--J5	5' Jack	13337094	12/03/13
50	02694--M1	13'10 8 Mono	13337120	12/03/13
51	02695-MG1	5'7 2 Mono G	13337066	12/03/13
52	02696-MH1	49'10"8 Mono	13337115	12/03/13
53	02697-MH2	49'10"8 Mono	13337068	12/03/13
54	02698-MH3	49'10 8 Mono	13337145	12/03/13
55	02699-MH4	49 10"8 Mono	13337067	12/03/13
56	02700-MH5	49 10 8 Mono	13337091	12/03/13
57	02701-MH6	49 10 8 Mono	13337071	12/03/13
58	02702-MHG1	49'10 8 Mon	13337140	12/03/13
59	02703-MHG2	7 Mono Hip	13337085	12/03/13
60	02704-T-1	15'11 8 Comm	13337098	12/03/13
61	02705-T-2	12 10" Commo	13337099	12/03/13
62	02706-T-3	12 10" Commo	13337086	12/03/13
63	02707-T-4	15'11 8 Comm	13337102	12/03/13
64	02708-T-5	15 11"8 Comm	13337103	12/03/13
65	02709-T-6	15 11"8 Comm	13337100	12/03/13
66	02710-T-7	15 11 8 Comm	13337104	12/03/13
67	02711-T-8	15 11 8 Comm	13337106	12/03/13
68	02712-T-9	15 11"8 Comm	13337088	12/03/13
69	02713-T-10	12'10' Comm	13337101	12/03/13
70	02714-T-11	15 11"8 Com	13337079	12/03/13
71	02715-T-12	15'11 8 Com	13337089	12/03/13
72	02716-T-13	53 2" Commo	13337107	12/03/13
73	02717-T-14	53'2 Commo	13337087	12/03/13
74	02718-T-15	53'2" Commo	13337117	12/03/13
75	02719-T-16	42'2"8 Comm	13337110	12/03/13
76	02720-T-17	42 2 8 Comm	13337084	12/03/13
77	02721-T-18	46 2 8 Comm	13337082	12/03/13
78	02722-T-19	46'2"8 Comm	13337063	12/03/13
79	02723-T-20	28'4 6 Comm	13337072	12/03/13
80	02724-T-21	24 10 6 Com	13337119	12/03/13
81	02725-T-22	21 4 14 Com	13337108	12/03/13
82	02726-T-23	21'4"14 Com	13337111	12/03/13
83	02727-T-24	24'10"6 Com	13337122	12/03/13
84	02728-T-25	24 10 6 Com	13337118	12/03/13
85	02729-T-26	19 2" Commo	13337128	12/03/13
86	02730-T-27	11'2 Commo	13337131	12/03/13
87	02731-T-28	32'8 Commo	13337137	12/03/13
88	02732--T-29	13 Common	13337139	12/03/13
89	02733-TG-1	49 4"8 Comm	13337109	12/03/13
90	02734-TG-3	46 2"8 Comm	13338003	12/04/13
91	02735-HG4A	13'8" Stepd	13338004	12/04/13
92	02736-TG-2	53 2" Commo	13338006	12/04/13
93	02737-FTG2	15'4"1 Flat	13338005	12/04/13

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - EJ11 19'11'8 End Jack)

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

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

Left cantilever is exposed to wind

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

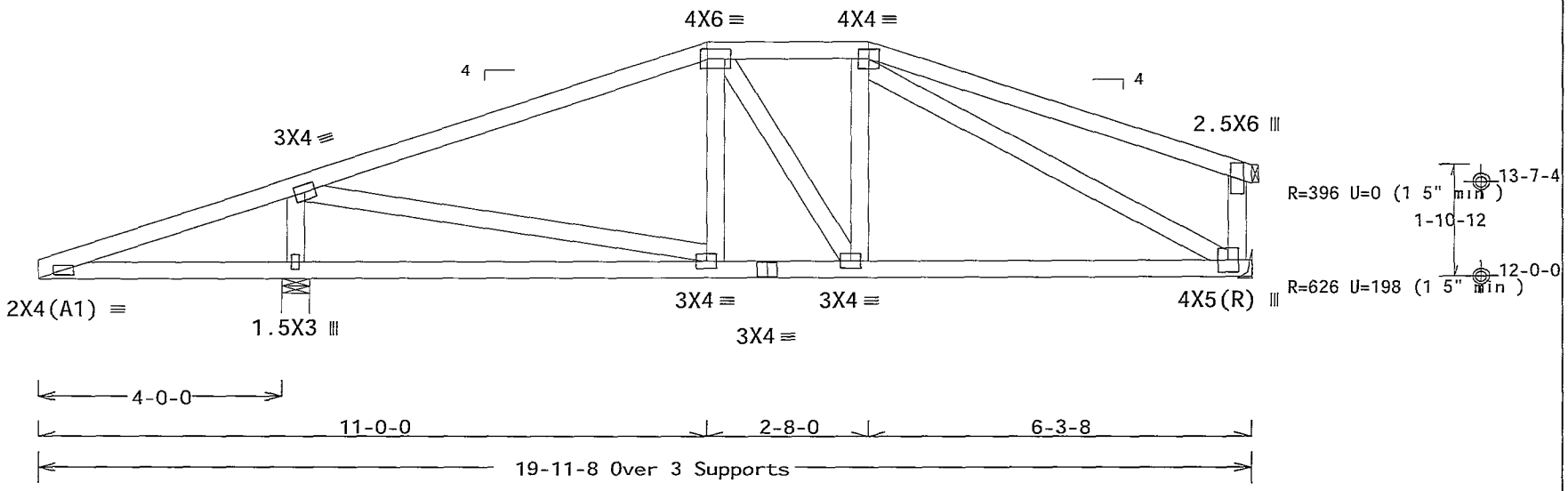
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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) 12.0 04.0326.13 QTY:1 FL/-/5/-/-/R/- Scale = 375"/Ft.

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

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

Trusses require extreme care n fabr cating handl ng sh pp ng nstalling and bracing Refer to and follow the latest edit on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached 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

ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng installation & brac ng of trusses Apply plates to each face of truss and posit on as shown above and on the job nam 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 responsib l ty solely for the des gn shown The su tab l ity and use of this des gn for any struc the responsib l ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more nformat on see Th s des general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2645
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10 0 PSF	DRW	HCUSR9114 13337096
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	335056
DUR FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - EJ12 19'11"8 End Jack)

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

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

Left cantilever is exposed to wind

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

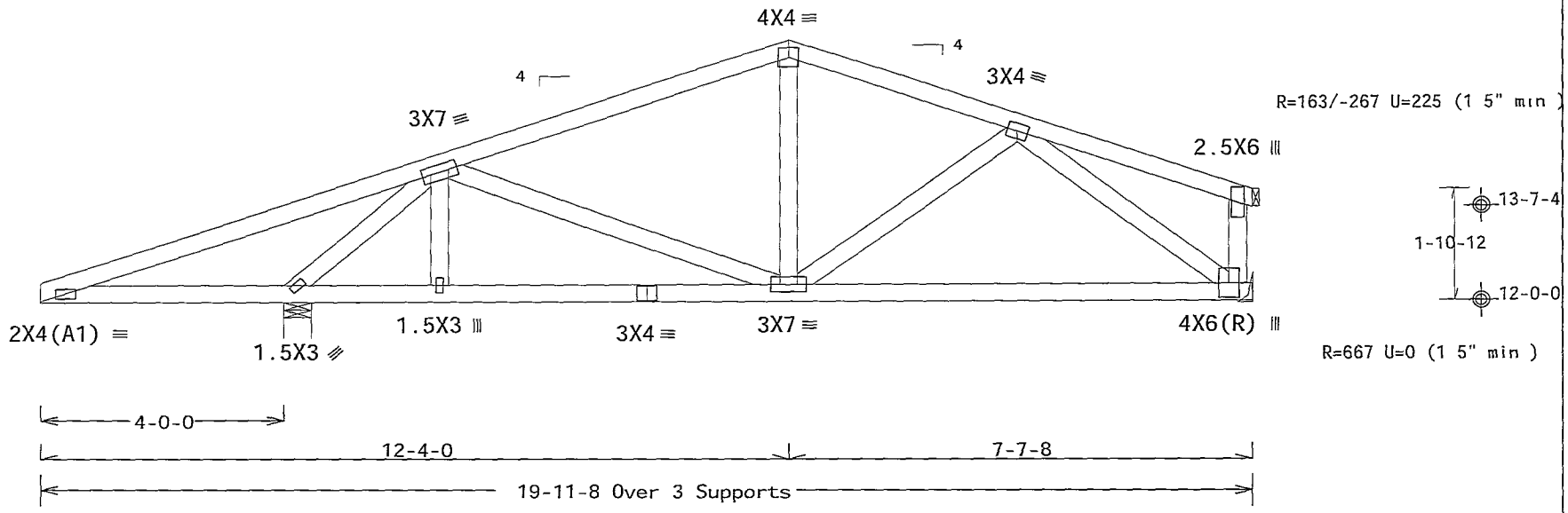
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED 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 08 04,0326 13 QTY 1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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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 des gn any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallation & bracing of trusses Apply plates to each face of truss and posit on as shown above and on the joints Dsta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on this draw ng or cover page l st ng th s draw ng nd cates acceptance of profess onal eng neer ng respons bility solely for the des gn shown The suitabil ty and use of th s des gn for any struc the responsib l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more informat on see Th general notes page ITW BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2646
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337065
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335023
DUR FAC	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V1V487_Z03

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

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

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

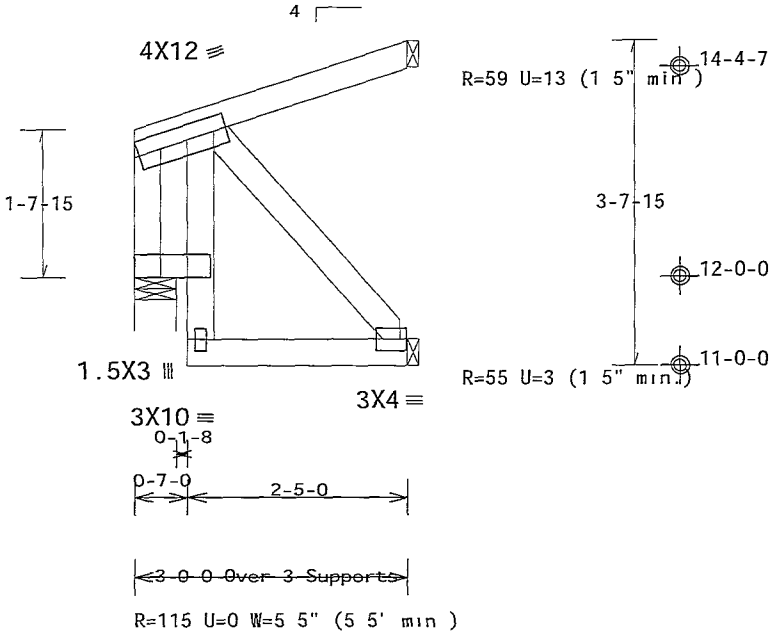
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12 03-04 0326 13 QTY:4 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses require extreme care in fabricat ng handling sh pping nstall ng and brac ng Refer to and follow the latest ed tion of BCSI (Bu lding Component Safety Information by TPI and WTCA) for safety practices pr or to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sect ons B3 B7 or B10 as appl cable

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2647
TC DL	7 0 PSF	DATE	12/03/13
BC DL	10 0 PSF	DRW	HCUSR9114 13337148
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335491
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

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

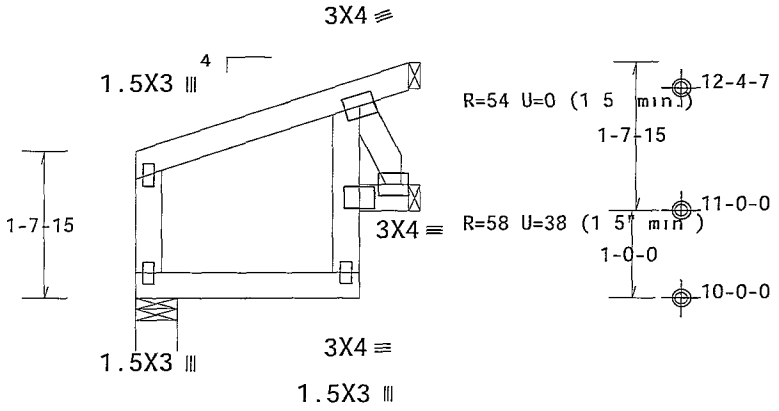
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

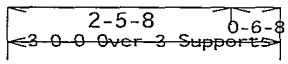
Bottom chord checked for 10 00 psf non-concurrent live load

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

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 08:04:0926 13 QTY:2 FL/-/5/-/-/R/- Scale = 5"/Ft

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Orlando FL, 32837
FL COA #0 278

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2648
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10 0 PSF	DRW	HCUSR9114 13337142
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	335488
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

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

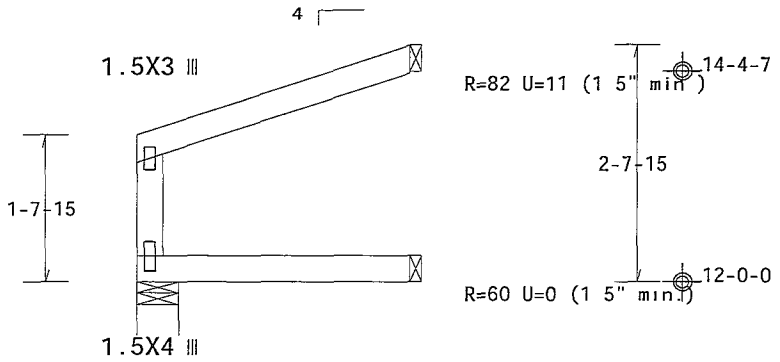
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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



~~<3-0-0 Over 3 Supports>~~

R=112 U=6 W=5 5' (5 5 min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 08 04 03/06 13 QTY.7 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses requ re extreme care n fabr cating handl ng shipp ng nstalling and bracing Re to follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for 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 g d ce l ing Locat ons shown for permanent lateral restrai of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from this des gn any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo ng Details unless noted otherw se Refer to draw ngs 160A-Z for standard plate positions A seal on this draw ng or cover page l sting th s draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The suitab l ty and use of th s design for any str the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformat on see Th general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2649
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337064
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	335482
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

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

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

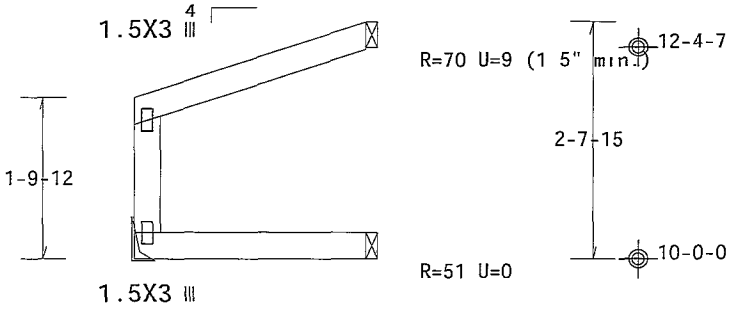
Bottom chord checked for 10 00 psf non-concurrent live load

These hangers and support conditions used at bearings indicated
(H1) = Simpson
(H2) = (J) Hanger not calculated
(H3) = (J) Hanger not calculated
(H4) = (J) Hanger not calculated
(H5) = (J) Hanger not calculated
(H6) = (J) Hanger not calculated
(H7) = (J) Hanger not calculated
(H8) = (J) Hanger not calculated
(H9) = (J) Hanger not calculated
(H10) = (J) Hanger not calculated
(H11) = (J) Hanger not calculated
(H12) = (J) Hanger not calculated

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



2-6-8 Over 3 Supports

R=95 U=5
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.02-04-0626.13 QTY:6 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care in fabricating handl ng sh pp ng nstalling and bracing Re ng follow the latest edit on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for practices prior to performing these funct ons Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r gid ceiling Locations shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sections B3 B7 or B10 as appl cable

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2650
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337112
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	335037
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

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

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

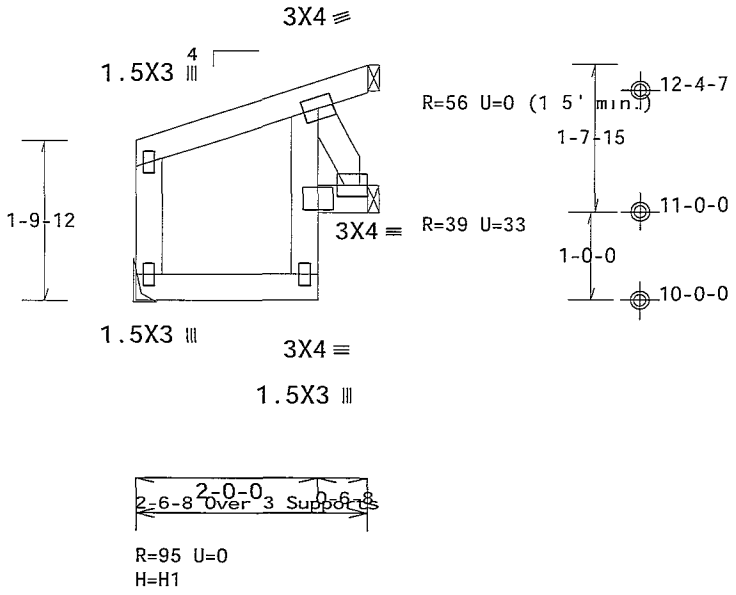
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03-04.0826.13 QTY:5 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses requ re extreme care in fabr cating hand l ng shipping nstalling and bracing Refer to and follow the latest ed tion of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to performing these funct ons Installers shall provide temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to build the truss in conformance w th ANSI/TPI 1 or for handling shipping installation & bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on this drawing or cover page l sting this drawing indicates acceptance of professional engineering responsibility solely for the design shown The su tability 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 this design's general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2651
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337073
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335014
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - EJ5 5 End Jack)

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

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

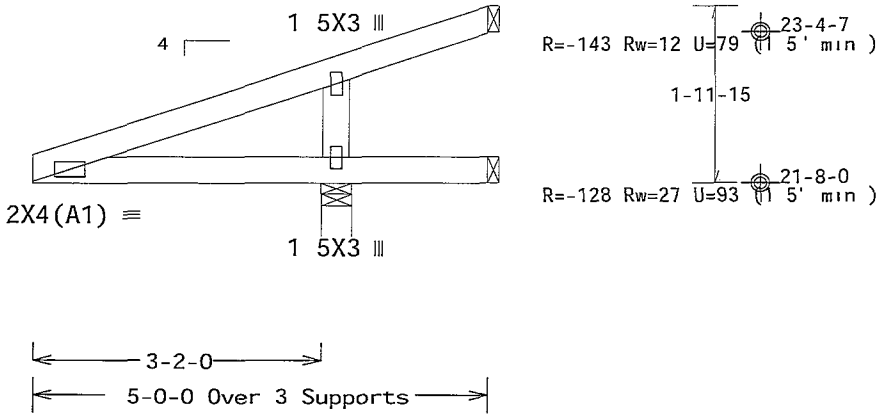
Left cantilever is exposed to wind

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

120 mph wind, 22 83 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.02-04-0626.13 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

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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng nstallation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineer ng responsibility solely for the design shown The suitabil ty and use of th s design for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see THIS DESIGN general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2652
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337144
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335510
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - EJ7 7 End Jack)

Top chord 2x4 SP 2850f-2 3E
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

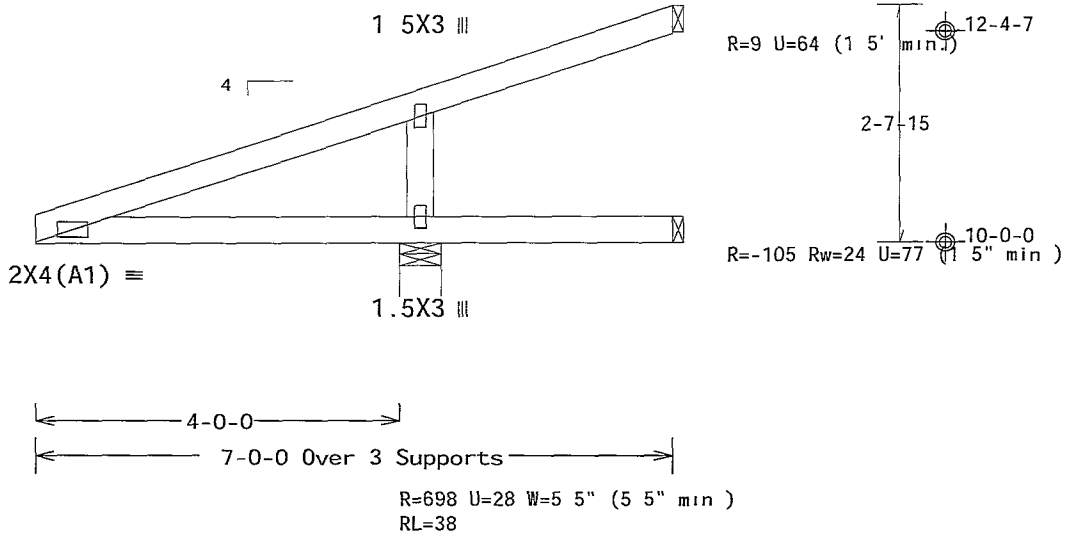
Left cantilever is exposed to wind

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

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

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03-04 0826.13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - EJ7 7' End Jack)

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

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

Left cantilever is exposed to wind

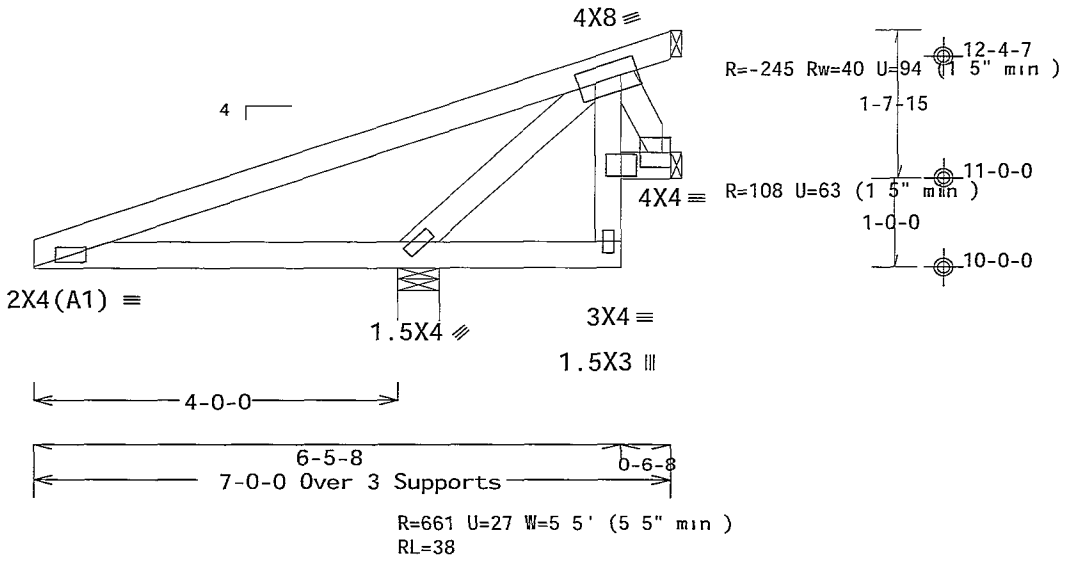
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -245# MAX (See below) from a non-wind load case requires uplift connection

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03-04-0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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Trusses require extreme care in fabricating handling shipping installing and brac ng Re ... follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) fo ... practices pr or to performing these functions Installers shall provide temporary bracing pe ... Unless noted otherwise top chord shall have properly attached structural sheathing and bott ... chord shall have a properly attached rigid ce ling Locations shown for permanent lateral restra ... of webs shall have brac ng installed per BCSI sections B3 B7 or B10 as applicable

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WILLIAM R. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2654
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337081
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335029
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - EJ7 7' End Jack)

Top chord 2x4 SP 2850f-2 3E
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

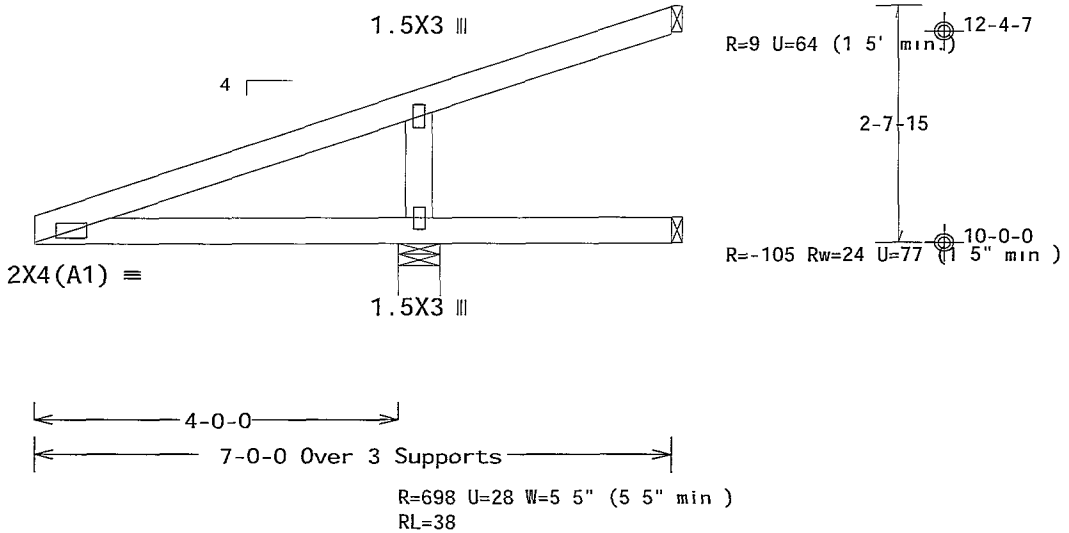
Left cantilever is exposed to wind

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

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

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

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



Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04.0326.13 QTY:43 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - EJ9 19 11"8 End Jack)

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

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

Left cantilever is exposed to wind

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

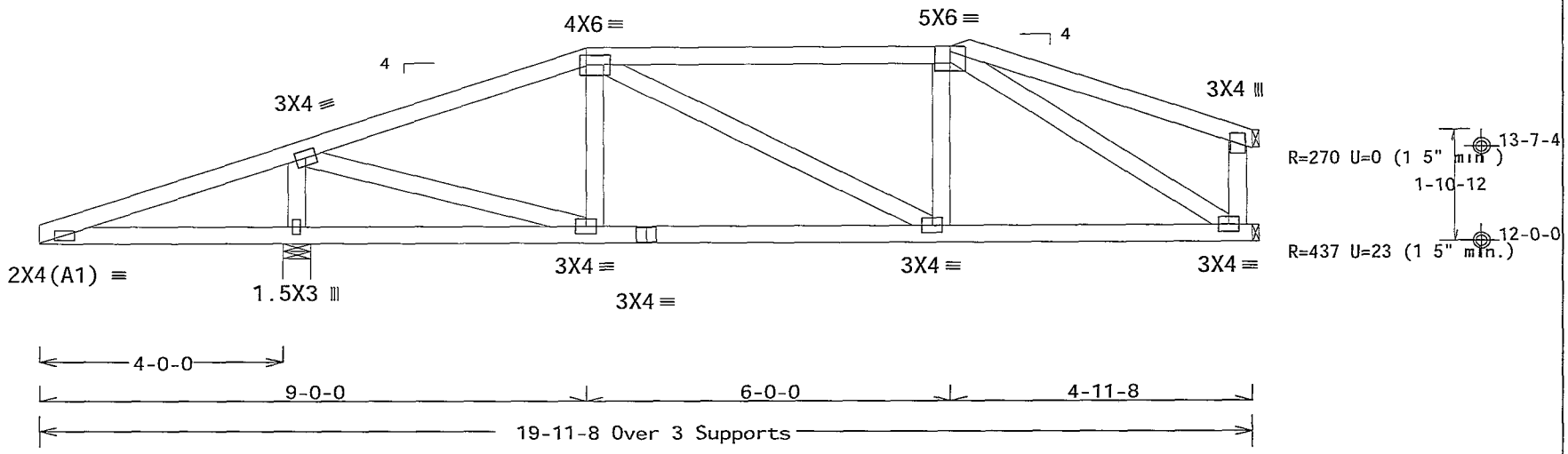
MWFRS loads based on trusses located at least 15 00 ft from roof edge

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) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.375"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2656
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337074
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	335081
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - EJG7 19 11 8 End Jack 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

Left cantilever is exposed to wind

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

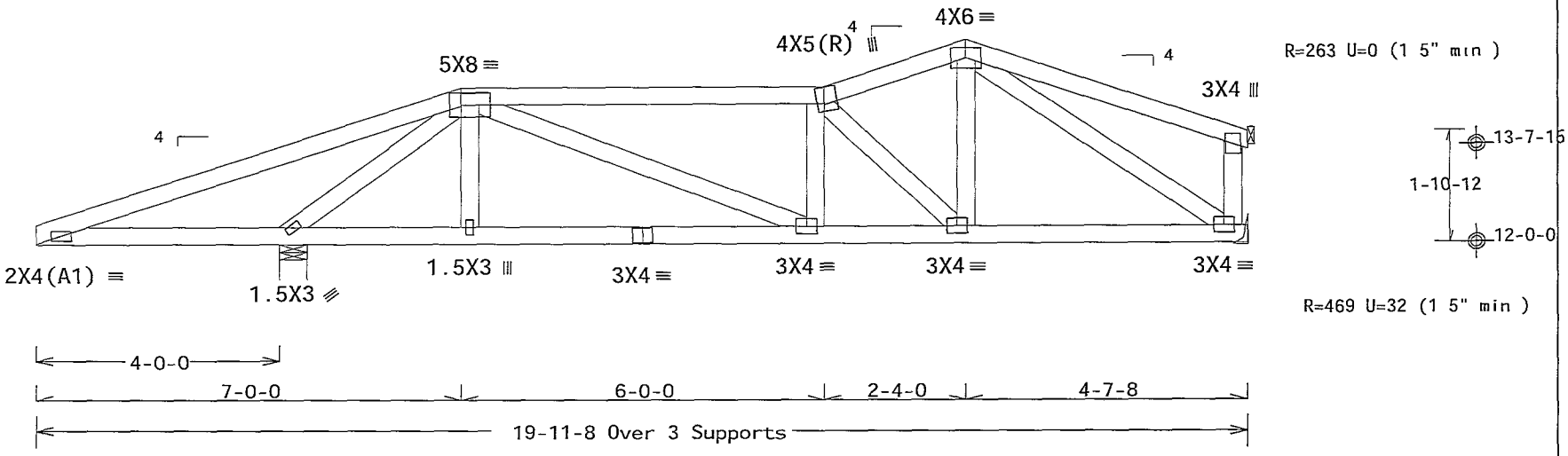
MWFRS loads based on trusses located at least 15 00 ft from roof edge

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 0326.13 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

Trusses require extreme care n fabricating handl ng sh pp ng nstall ng and bracing Refer to follow the latest edit on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for practices prior to performing these funct ons Installers shall prov de temporary bracing per Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r gid ce l ng Locations shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev at on from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping installation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A seal on this drawing or cover page listing this drawing indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitabil ty and use of th s des gn for any s ructure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - FTG1 15 4 1 Flat Girder)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP #3-13B W2, W6 2x4 SP #2-13B

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

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

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

Truss must be installed as shown with top chord up

120 mph wind, 16 28 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

End verticals not exposed to wind pressure

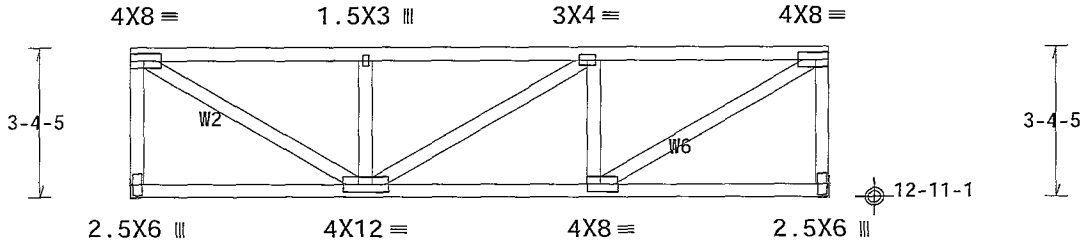
H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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

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



R=2303 U=135
H=H1

R=2225 U=171
H=H2

15-4-1 Over 2 Supports

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.25"/Ft

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

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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from this des gn any failure to build the trusses in conformance with ANSI/TPI 1 or for handl ng sh pping nstallation & bracing of trusses Apply plates to each face of truss and pos tion as shown above and on one 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 draw ng nd cates acceptance of professional eng neering responsibility solely for the design shown The suitability and use of this design for any s ng e bu ld ng the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2658
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337123
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335167
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - H11A 32'8 Stepdown Hip)

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

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

Left and right cantilevers are exposed to wind

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

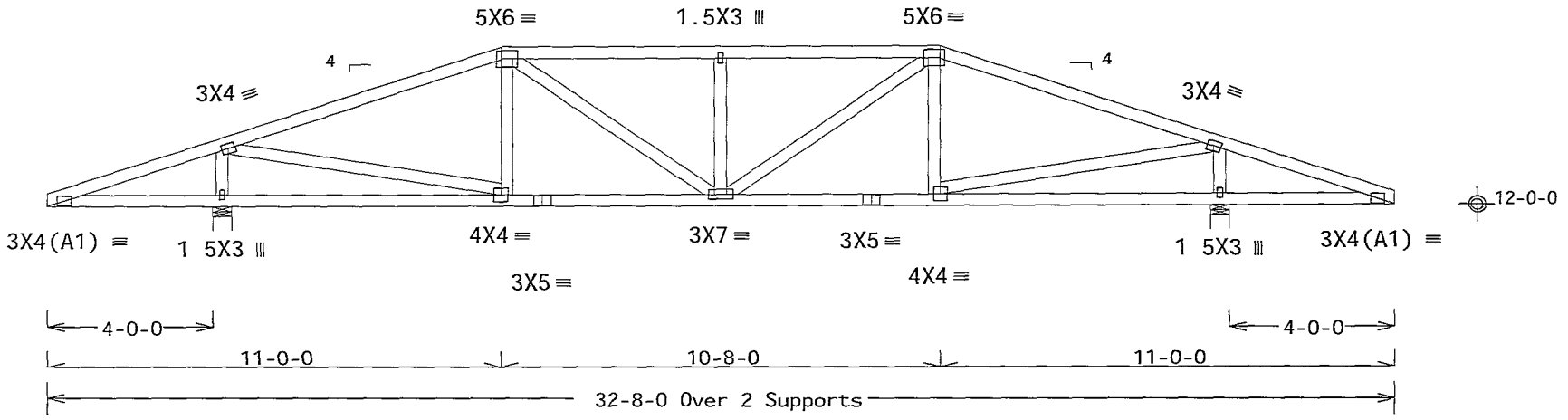
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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=1236 U=35 W=5 5' (5 5" min)
RL=49/-49

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

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12 03 04 0326.13 | 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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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2659
TC DL	7 0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337133
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335493
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - H13A 32'8 Stepdown Hip)

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

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

Left and right cantilevers are exposed to wind

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

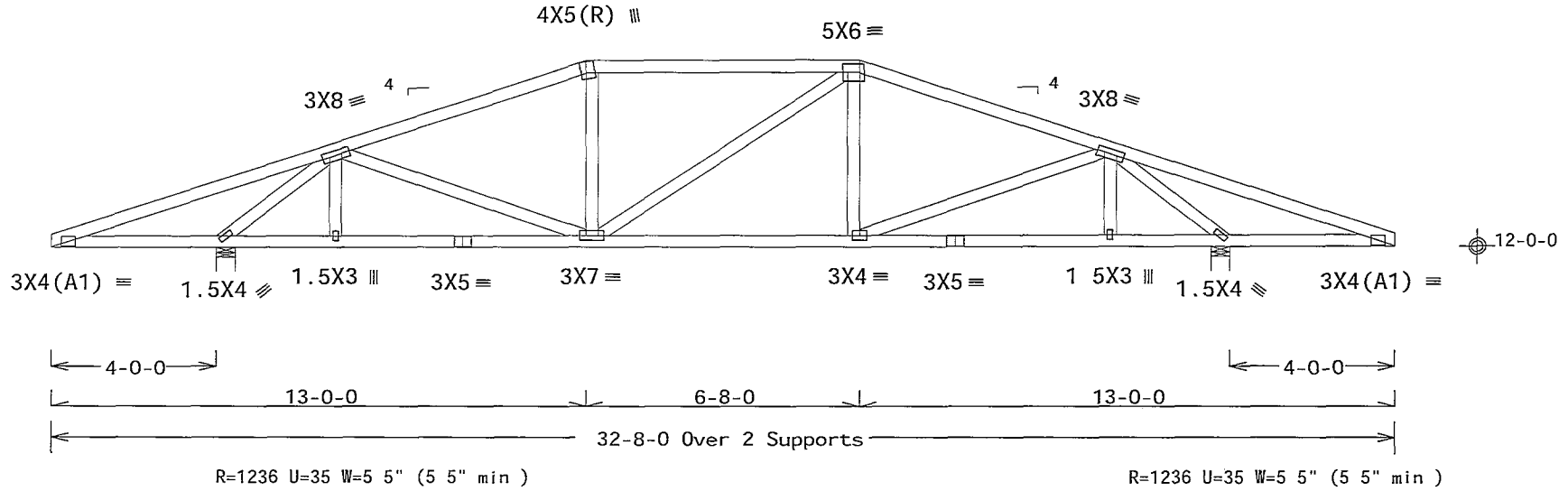
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04.0326.13 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 Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to build the truss in conformance w th ANSI/TPI 1 or for handling shipping installation & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Deta ls unless noted otherwise Refer to drawings 160A-Z for standard plate positions Approval of this draw ng or cover page list ng this draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The suitability and use of th s design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2660
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337134
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335495
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - H15A 32 8' Stepdown Hip)

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

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

Left and right cantilevers are exposed to wind

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

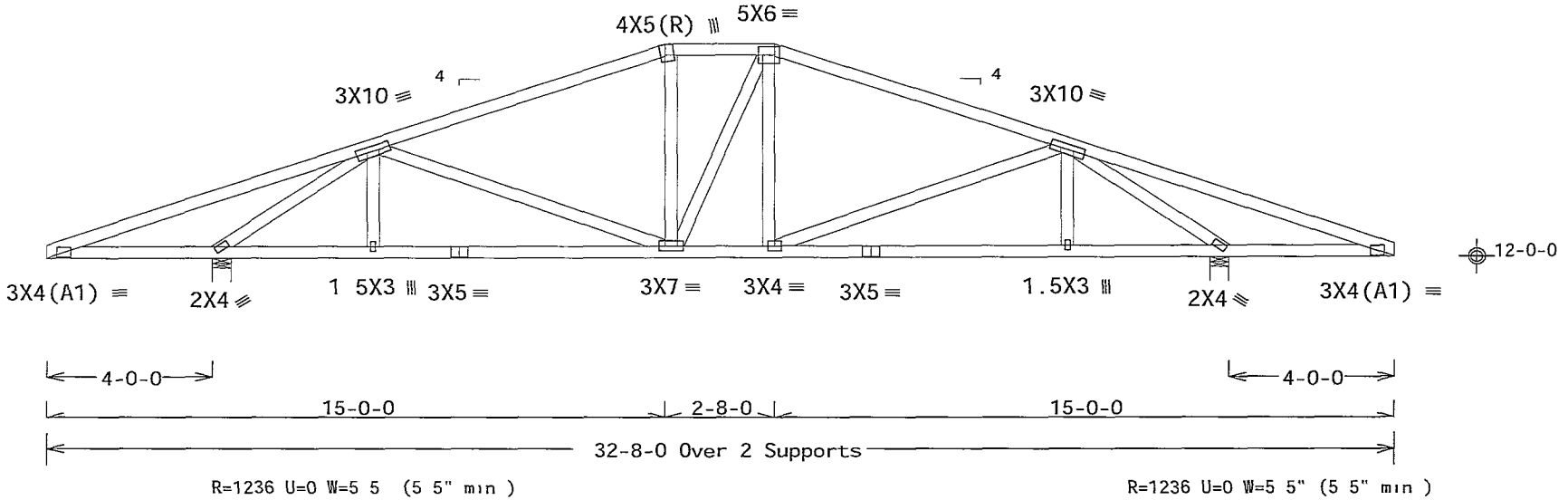
MWFRS loads based on trusses located at least 15 00 ft from roof edge

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=1236 U=0 W=5 5 (5 5" min)
RL=67/-67

R=1236 U=0 W=5 5" (5 5" min)

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12 03:04 0026.13 | 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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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2661
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337136
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335484
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - H9A 24'8" Stepdown Hip)

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

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

Left and right cantilevers are exposed to wind

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

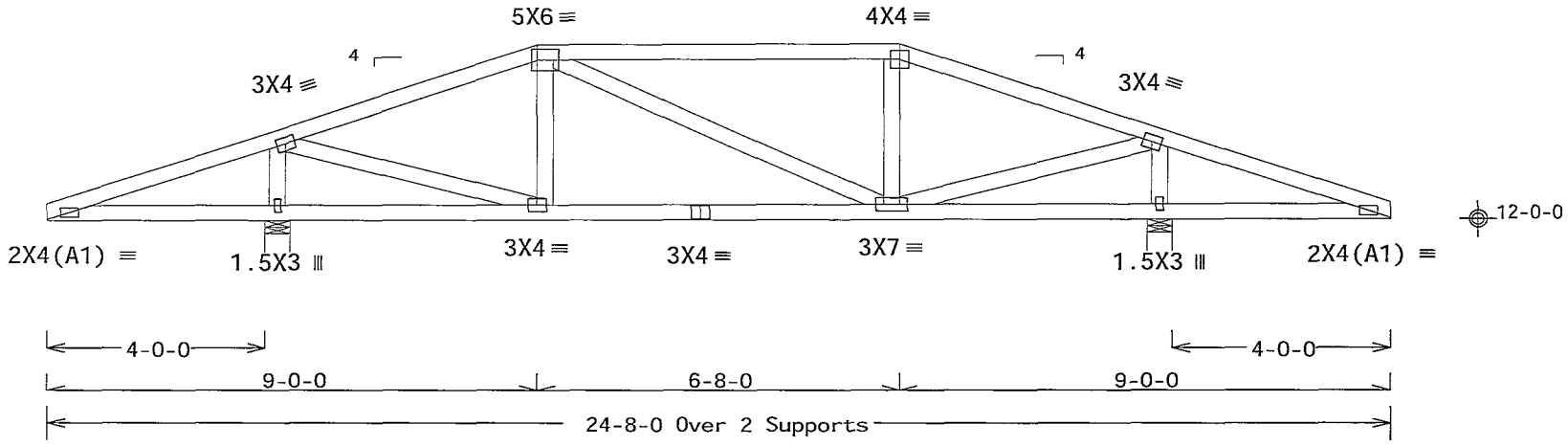
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

R=944 U=22 W=5 5" (5 5" min)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12 03 04 0026 13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.3125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2662
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337076
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	335021
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - H9B 19'2" 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 and right cantilevers are exposed to wind

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

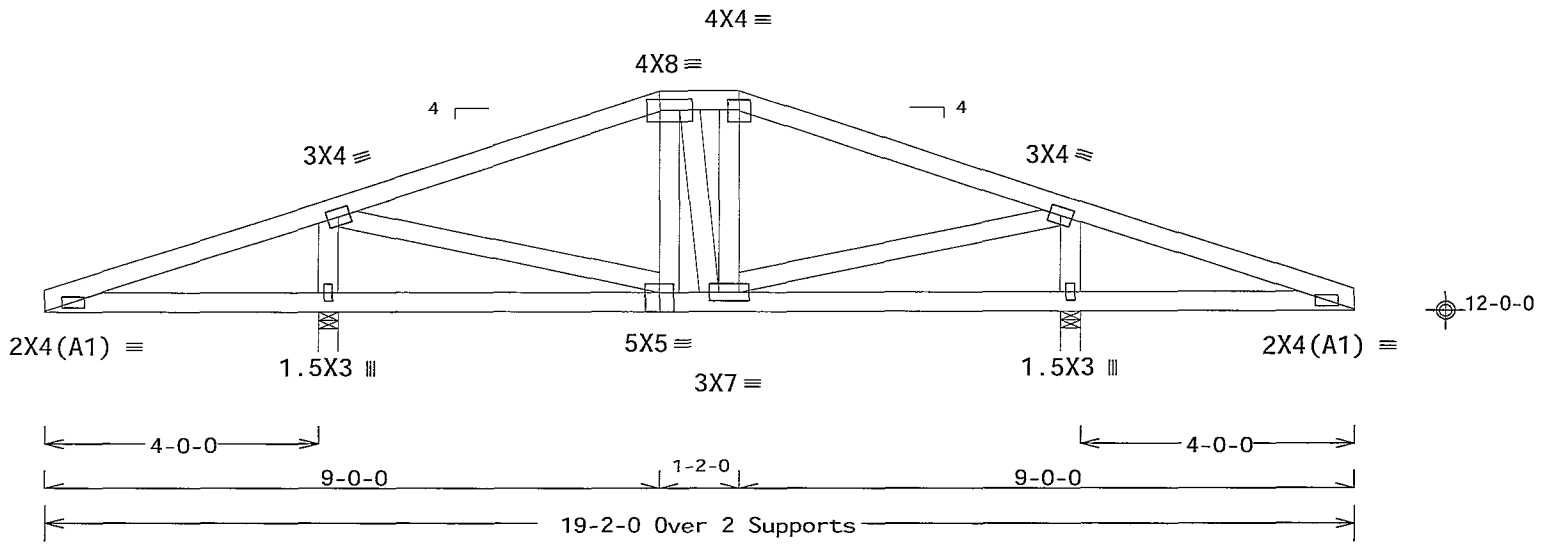
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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=748 U=17 W=3 5' (3 5' min)
RL=38/-38

R=748 U=17 W=3 5" (3 5" min.)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12 03 04 0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.375"/Ft

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

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WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2663
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337121
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	335462
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - H9C 32'8" Stepdown Hip)

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

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

Left and right cantilevers are exposed to wind

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

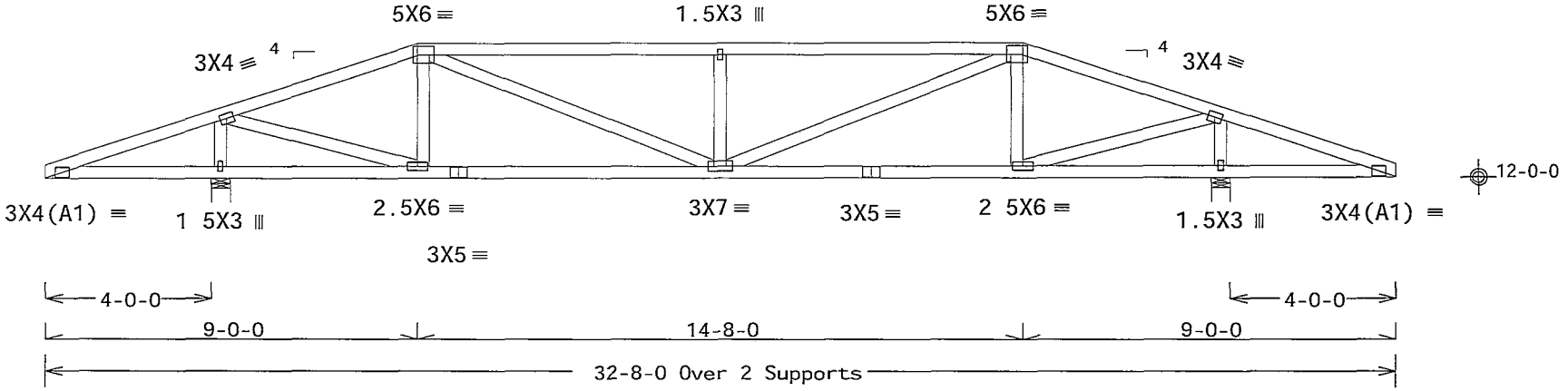
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

R=1236 U=36 W=5 5" (5 5" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:2 | FL/-/5/-/-/R/- | Scale =.25"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pping nstalling and brac ng Re follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to perform ng these funct ons Installers shall prov de temporary brac ng p Unless noted otherwise top chord shall have properly attached structural sheath ng and bott shall have a properly attached r gid ceiling Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the joint Deta is unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons draw ng or cover page l st ng this draw ng ind cates acceptance of professional eng neering responsibility solely for the design shown The suitab lity and use of th s design for any the responsibil ty of the Building Des gner per ANSI/TPI 1 Sec 2 For more nformat on see general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK
LICENSE
No 70861
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2664
TC DL	7 0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337132
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	335486
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG11A 24'8' Stepdown Hip Girder)

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

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

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

Wind loads and reactions based on MWFRS

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

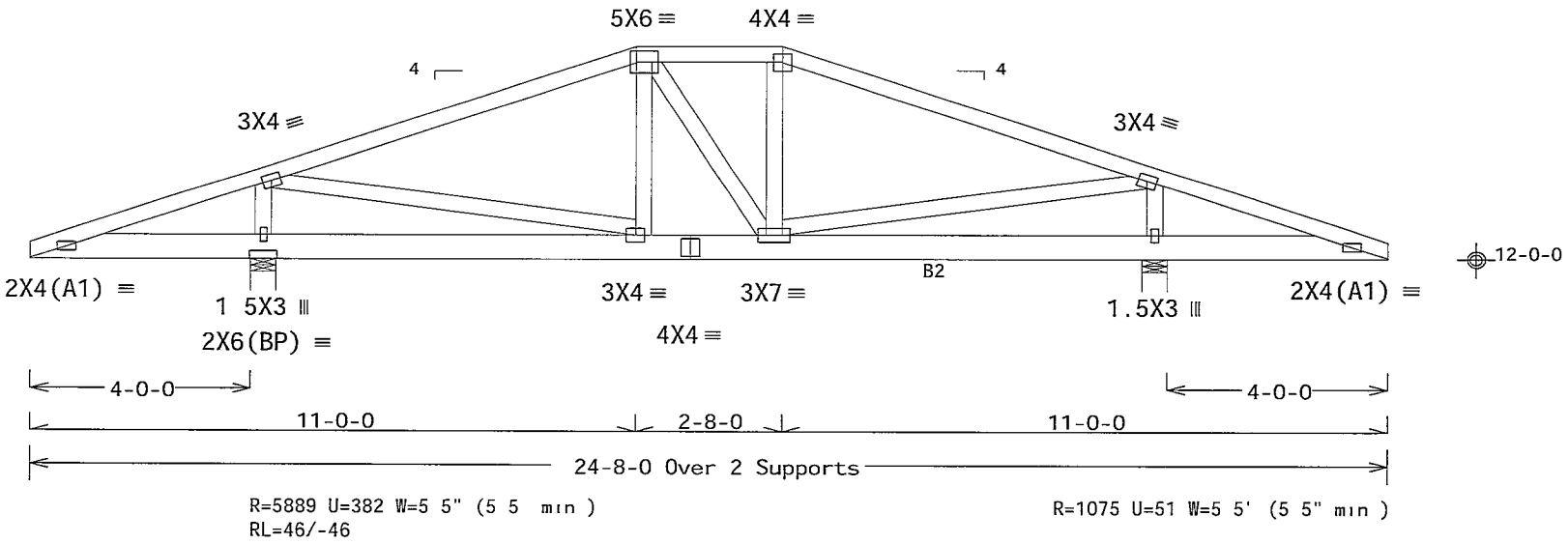
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

Left and right cantilevers are exposed to wind

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

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



R=5889 U=382 W=5 5" (5 5 min)
RL=46/-46

R=1075 U=51 W=5 5' (5 5" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03 04 0326 13 QTY·1 FL/-/5/-/-/R/- Scale =.3125"/Ft

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Trusses require extreme care n fabricating handl ng sh pp ng nstall ng and bracing Re er to and follow the latest ed t on of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for safety practices pr or to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chords shall have a properly attached rig d ce l ng Locat ons shown for permanent lateral restraint of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from this des gn any failure to build the truss in conformance w th ANSI/TPI 1 or for handl ng shipp ng nstallat on & 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 otherw se Refer to draw ngs 160A-Z for standard plate posit ons The seal on this drawing or cover page listing this drawing indicates acceptance of profess onal eng neer r sponsibility solely for the design shown The suitabil ty and use of th s design for any str ct re is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

WILLIAM H. KRICK
LICENSE
No 70861
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2665
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10 0 PSF	DRW	HCUSR9114 13337126
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335318
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG3A 13'8" 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

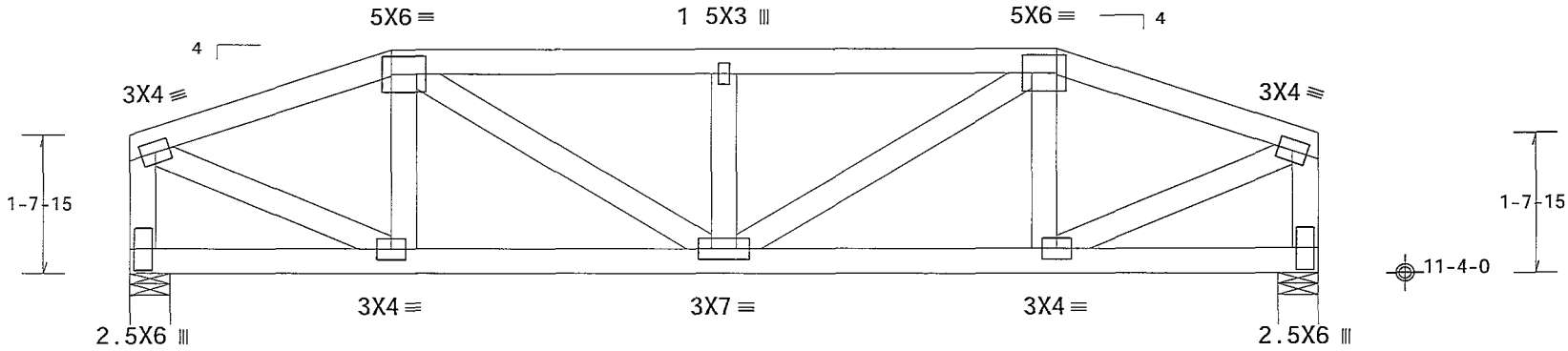
Wind loads and reactions based on MWFRS

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

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

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

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

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WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2666
TC DL	7 0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337075
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335444
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG5A 13 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, 22 83 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

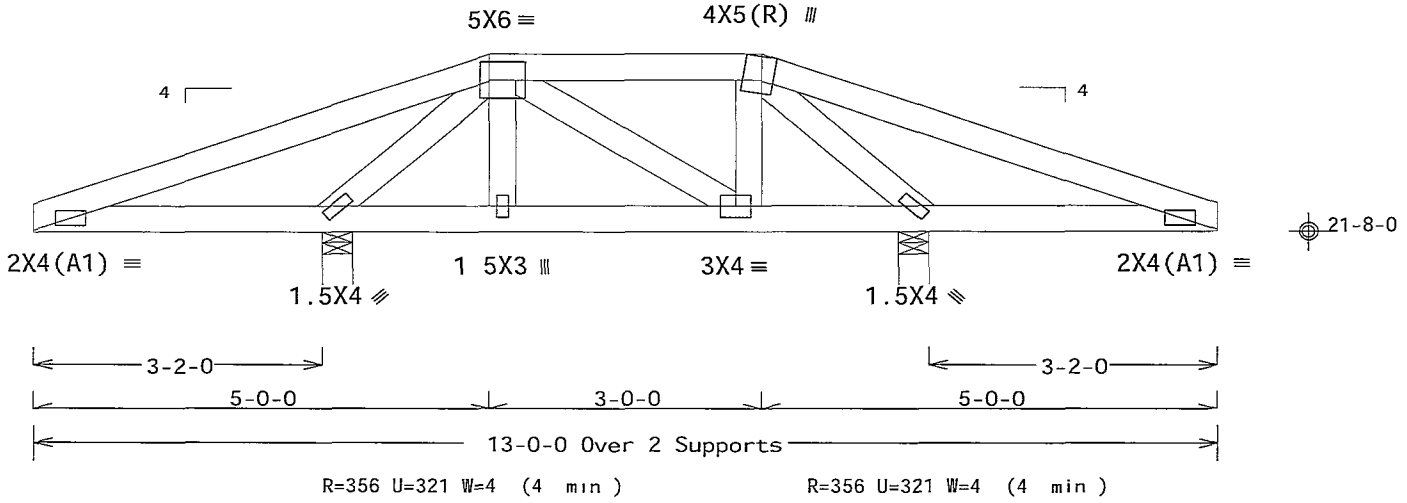
Left and right cantilevers are exposed to wind

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at 0 00 to 55 plf at 5 00
TC- From 27 plf at 5 00 to 27 plf at 8 00
TC- From 55 plf at 8 00 to 55 plf at 13 00
BC- From 20 plf at 0 00 to 20 plf at 5 03
BC- From 10 plf at 5 03 to 10 plf at 7 97
BC- From 20 plf at 7 97 to 20 plf at 13 00
TC- -141 93 lb Conc Load at 5 03, 7 97
TC- -25 91 lb Conc Load at 6 50
BC- -151 58 lb Conc Load at 5 03, 7 97
BC- -55 84 lb Conc Load at 6 50

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03 04 0326 13 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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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 tion as shown above and on the Joint Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on this draw ng or cover page list ng this draw ng ind cates acceptance of professional eng neering responsibility solely for the design shown The suitability and use of th s design for any s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more informat on see general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL 20 0 PSF	REF R9114- 2667
TC DL 7.0 PSF	DATE 12/03/13
BC DL 10.0 PSF	DRW HCUSR9114 13337143
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT LD. 37.0 PSF	SEQN- 335511
DUR.FAC. 1.25	FROM JMW
SPACING 24.0"	JREF- 1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG7A 15'11"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, 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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
(H1) = LU24 w/ (2)2x6 SP SS-13B supporting member
(4) SD9112, 0 131"x1 5" into supporting member,
(2) SD9112, 0 131 x1 5' into supported member

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

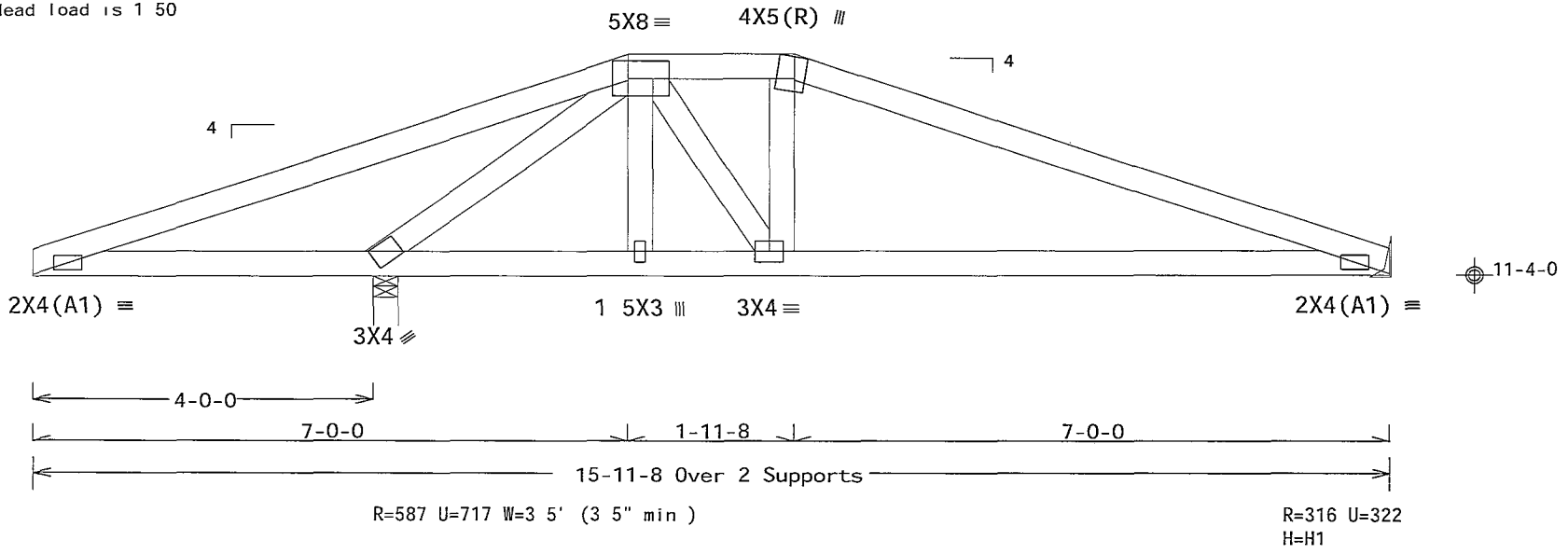
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at 0 00 to 55 plf at 7 00
TC- From 55 plf at 7 00 to 55 plf at 8 96
TC- From 55 plf at 8 96 to 55 plf at 15 96
BC- From 20 plf at 0 00 to 20 plf at 7 03
BC- From 10 plf at 7 03 to 10 plf at 8 93
BC- From 20 plf at 8 93 to 20 plf at 15 96
TC- 18 37 lb Conc Load at 7 03, 8 93
BC- -168 95 lb Conc Load at 7 03, 8 93

Left cantilever is exposed to wind

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2668
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337083
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335144
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG7B 24'8' 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, 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

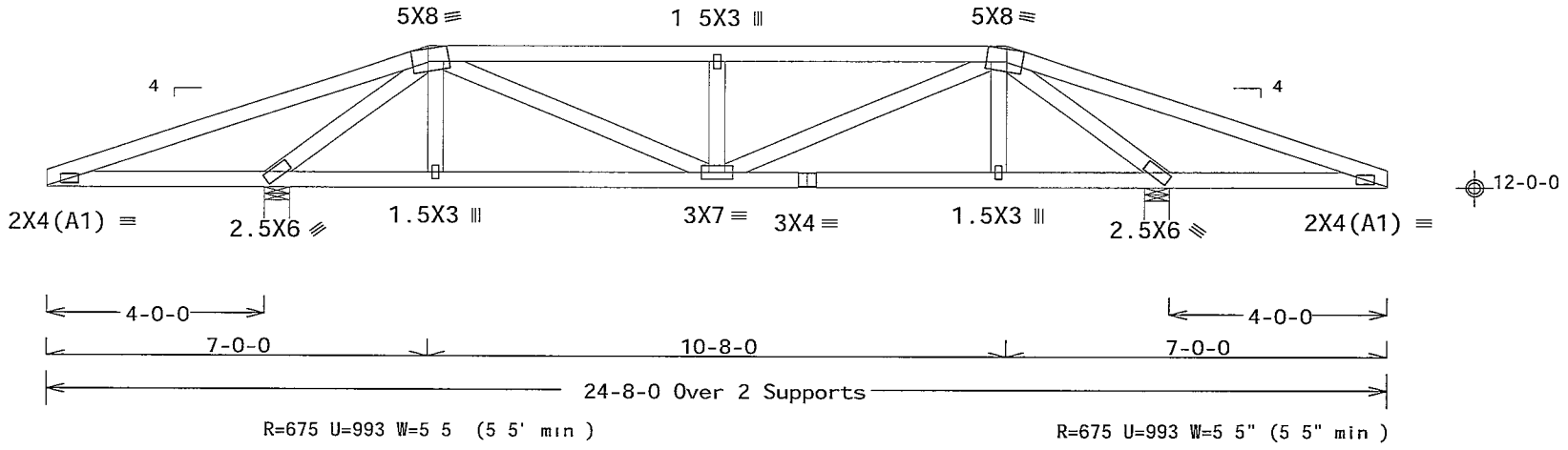
Left and right cantilevers are exposed to wind

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

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:2 | FL/-/5/-/-/R/- | Scale =.3125"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2669
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337080
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335148
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG7C 19'2" 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

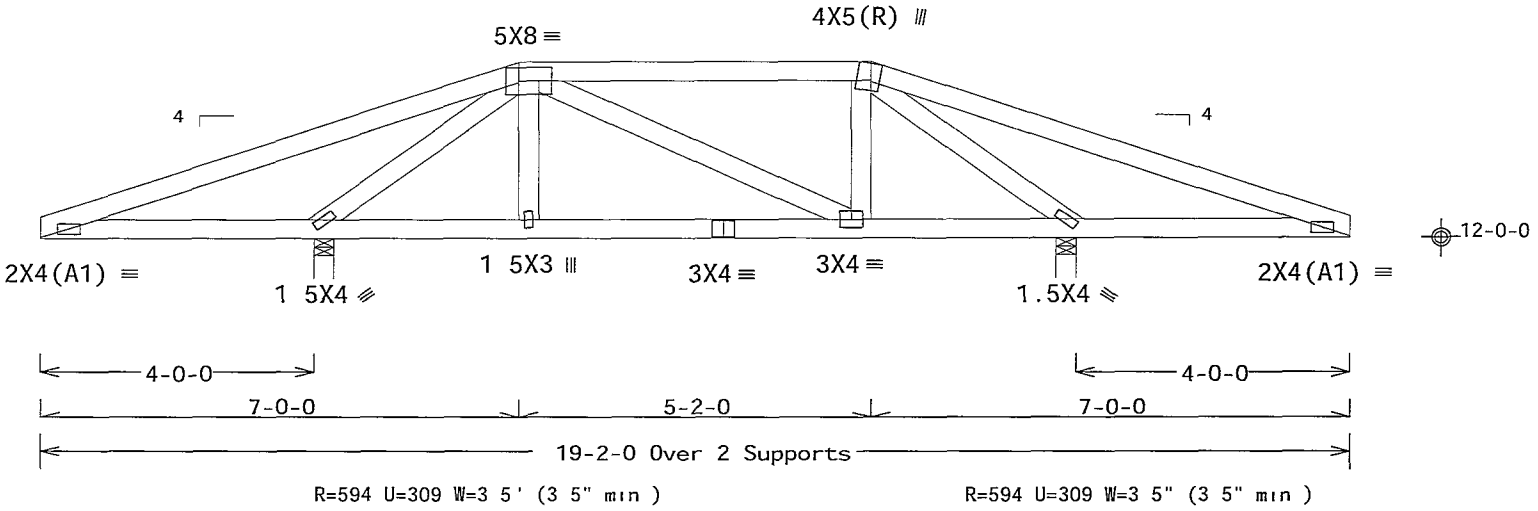
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at 0 00 to 55 plf at 7 00
TC- From 27 plf at 7 00 to 27 plf at 12 17
TC- From 55 plf at 12 17 to 55 plf at 19 17
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 14
BC- From 20 plf at 12 14 to 20 plf at 19 17
TC- 8 63 lb Conc Load at 7 03, 9 06,10 10,12 14
BC- -37 39 lb Conc Load at 7 03, 9 06,10 10,12 14

Left and right cantilevers are exposed to wind

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.375"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2670
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337130
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335467
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG7D 32 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, 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 and right cantilevers are exposed to wind

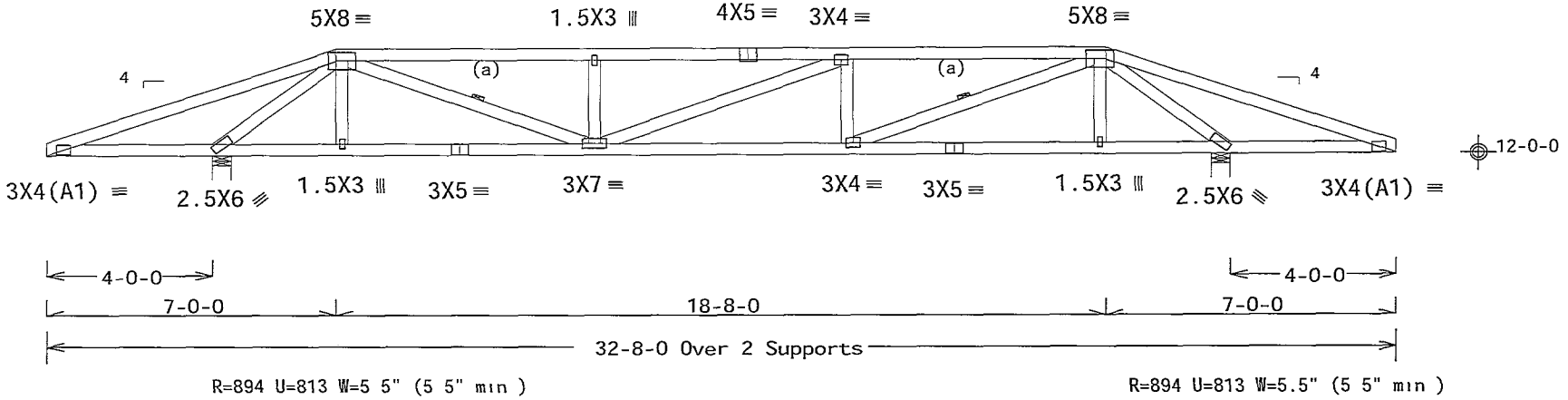
In lieu of structural panels use purlins to brace all flat TC @ 24 OC

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

(a) Continuous lateral restraint equally spaced on member

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

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.25"/Ft.

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

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

Trusses require extreme care in fabr cating handl ng shipping nstalling and bracing Re er to and follow the latest edition of BCSI (Bu lding Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chords shall have a properly attached rig d ce ling Locations shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from this des gn any fa lure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng nstallat on & bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons Any deal of th drawing or cover page listing th s drawing nd cates acceptance of profess ona engineer r sponsib l ty solely for the des gn shown The suitabil ty and use of th s des gn for any ndiv dual the responsib l ty of the Building Des gner per ANSI/TPI 1 Sec 2 For more information see general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG7E 32'8' 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

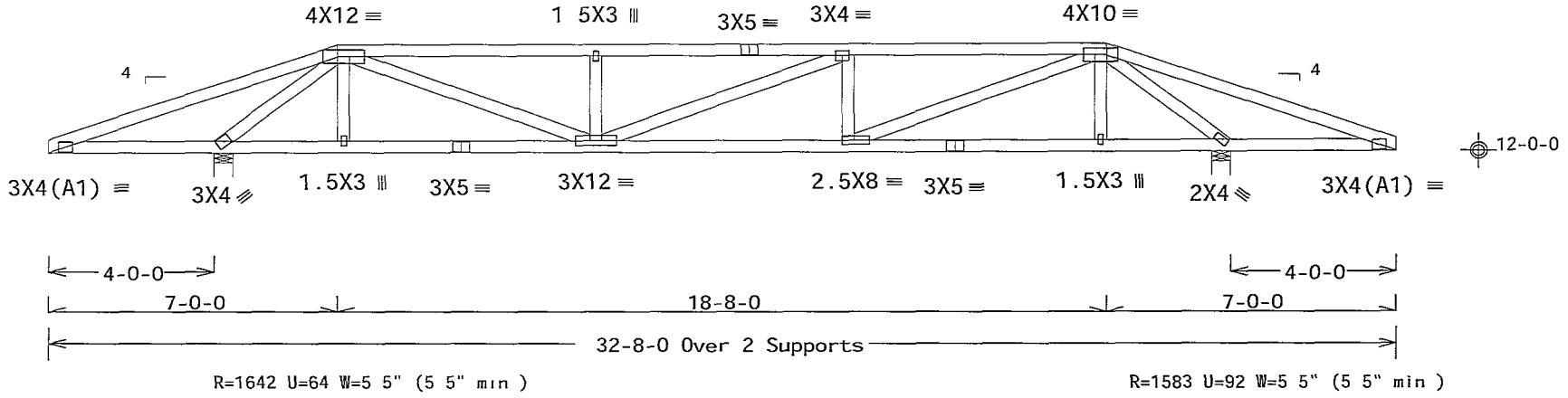
Left and right cantilevers are exposed to wind

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at 0 00 to 55 plf at 7 00
TC- From 27 plf at 7 00 to 27 plf at 25 67
TC- From 55 plf at 25 67 to 55 plf at 32 67
BC- From 20 plf at 0 00 to 20 plf at 7 03
BC- From 10 plf at 7 03 to 10 plf at 25 60
BC- From 20 plf at 25 60 to 20 plf at 32 67
TC- 82 14 lb Conc Load at 7 03, 9 06,11 06,13 06 15 06,16 33,17 60
TC- 58 79 lb Conc Load at 19 60,21 60,23 60,25 60
BC- 60 00 lb Conc Load at 7 03, 9 06,11 06,13 06 15 06,16 33,17 60
BC- 55 05 lb Conc Load at 19 60,21 60,23 60,25 60

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03-04-0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #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 hand l ng sh pping installation & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Data Is unless noted otherw se Refer to draw ngs 160A-Z for standard plate posit ons A seal on this draw ng or cover page list ng this draw ng ind cates acceptance of professional eng neering responsibility solely for the design shown The suitabil ty and use of th s design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2672
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337116
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335506
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG9A 24 8" Stepdown Hip Girder)

Top chord 2x4 SP M-30 T2 2x4 SP 2850f-2 3E
Bot chord 2x6 SP M-26
Webs 2x4 SP #2-13B W2, W6 2x4 SP 2850f-2 3E
W3, W4 2x4 SP #3-13B

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at 0 00 to 55 plf at 9 00
TC- From 27 plf at 9 00 to 27 plf at 15 67
TC- From 55 plf at 15 67 to 55 plf at 24 67
BC- From 20 plf at 0 00 to 20 plf at 7 06
BC- From 10 plf at 7 06 to 10 plf at 19 06
BC- From 20 plf at 19 06 to 20 plf at 24 67
BC- 1241 71 lb Conc Load at 7 06
BC- 1702 76 lb Conc Load at 9 06,11 06,13 06,19 06
BC- 1694 93 lb Conc Load at 15 06
BC- 1696 81 lb Conc Load at 17 06

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131"x3", min nails
Top Chord 1 Row @12 00" o c
Bot Chord 1 Row @ 3 25" o c
Webs 1 Row @ 4" o c
Use equal spacing between rows and stagger nails in each row to avoid splitting

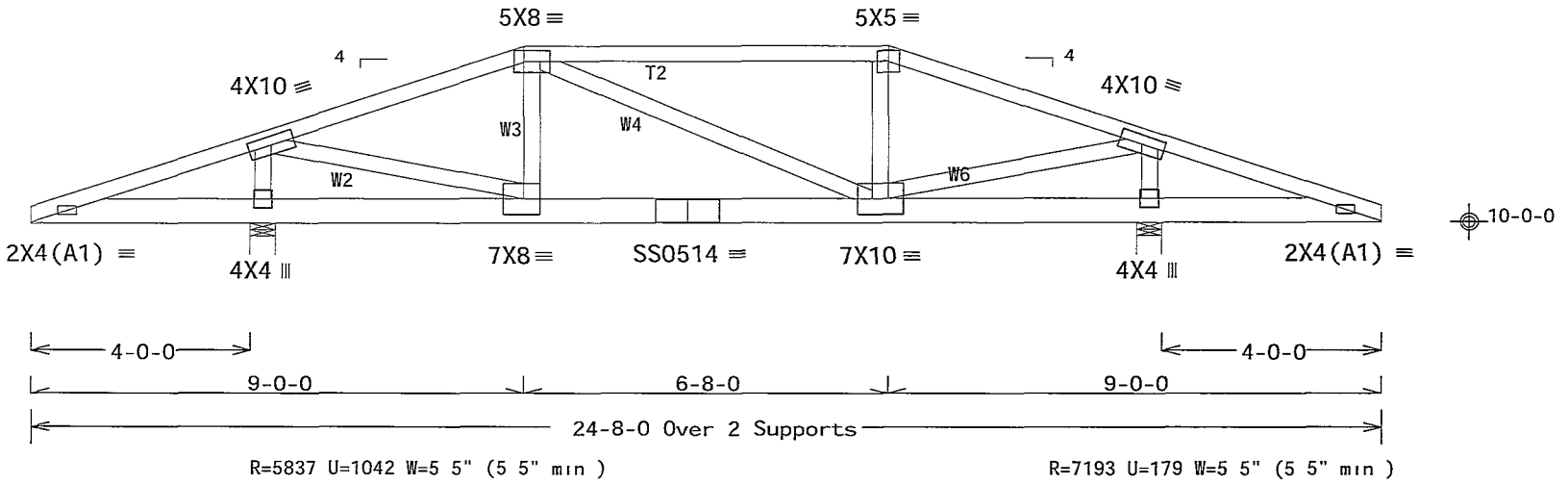
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

Left and right cantilevers are exposed to wind

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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS,Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.3125"/Ft.

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

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ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation fr any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng brac ng of trusses Apply plates to each face of truss and posit on as shown above and on Data is unless noted otherw se Refer to draw ngs 160A-2 for standard plate pos t ons A draw ng or cover page list ng this draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The suitability and use of this design for any the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformat on see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2673
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337138
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335504
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ10 9'10'13 Hip Jack Girder)

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

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

Wind loads and reactions based on MWFRS

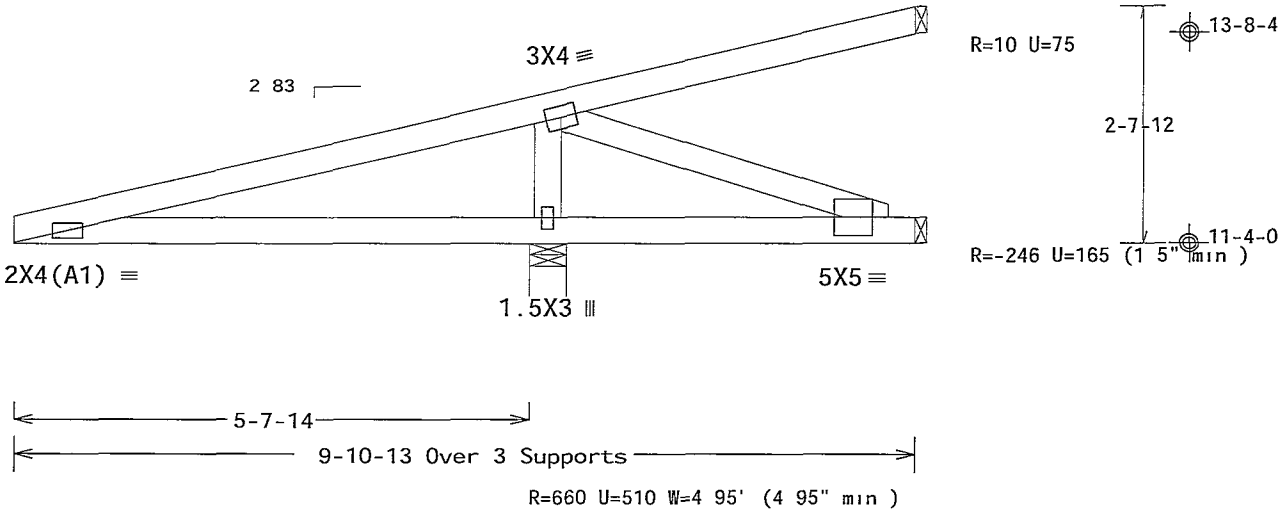
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -245# MAX (See below) from a non-wind load case requires uplift connection

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

Left cantilever is exposed to wind

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #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 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 indiv dual Je ch Data is unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th s drawing or cover page listing this draw ng indicates acceptance of professional eng neer ng responsibility solely for the design shown The suitabil ty and use of th s design for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see TPI general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2674
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337141
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335502
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ10 9'10 13 Hip Jack Girder)

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

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

Wind loads and reactions based on MWFRS

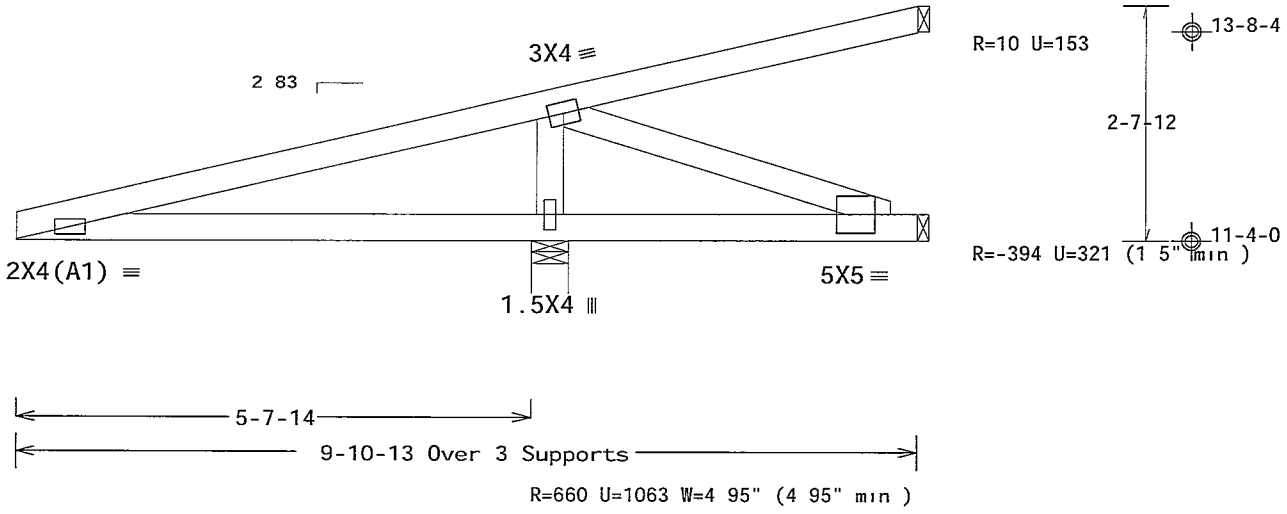
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -394# 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

Left cantilever is exposed to wind

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04.0326.13 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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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng nstallation & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions A seal on this 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 th s design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformat on see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2675
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337129
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37 0 PSF	SEQN-	335463
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ10 9 10 13 Hip Jack Girder)

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

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

Wind loads and reactions based on MWFRS

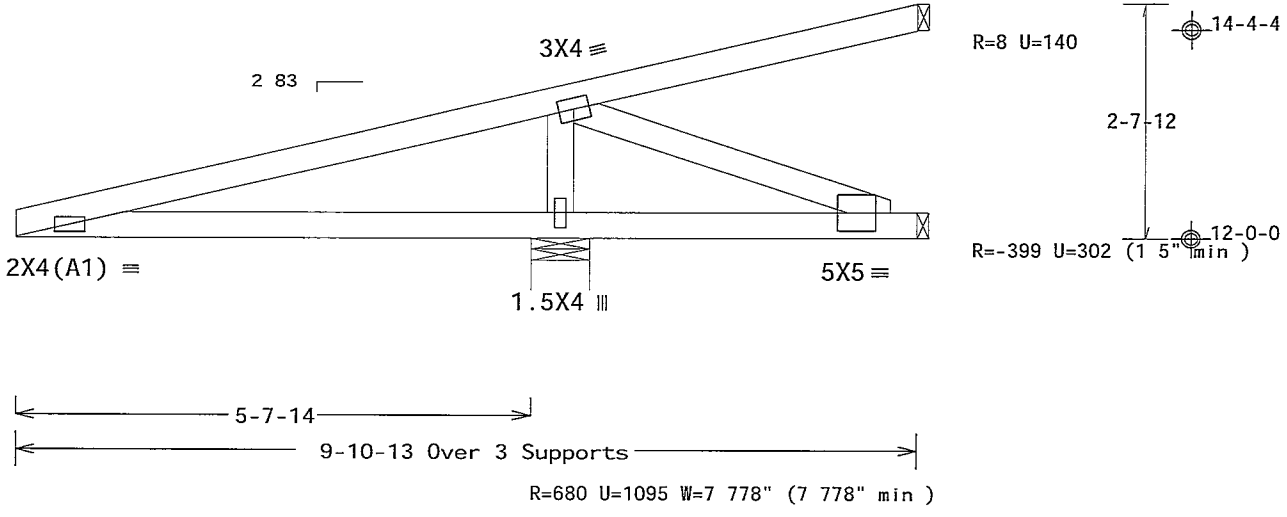
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -398# MAX (See below) from a non-wind load case requires uplift connection

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

Left cantilever is exposed to wind

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



Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326 13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2676
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337127
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335451
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ10 9'10 13 Hip Jack 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

Negative reaction(s) of -325# MAX (See below) from a non-wind load case requires uplift connection

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

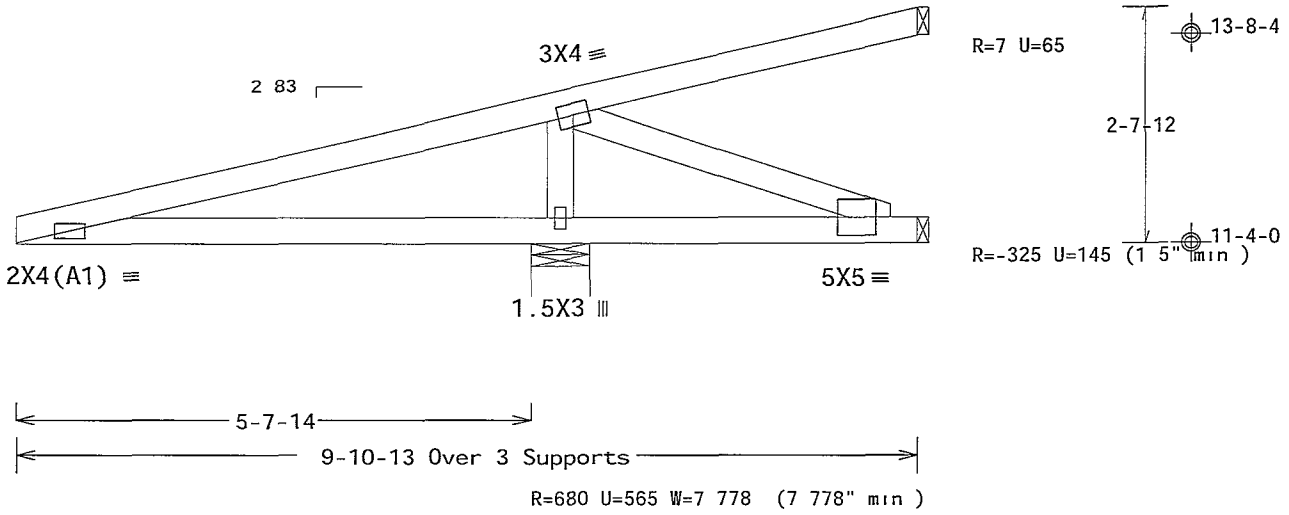
Bottom chord checked for 10 00 psf non-concurrent live load

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

Wind loads and reactions based on MWFRS

Left cantilever is exposed to wind

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



Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12 03 04 0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2677
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337078
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335441
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ10 9'10 13 Hip Jack Girder)

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

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

Wind loads and reactions based on MWFRS

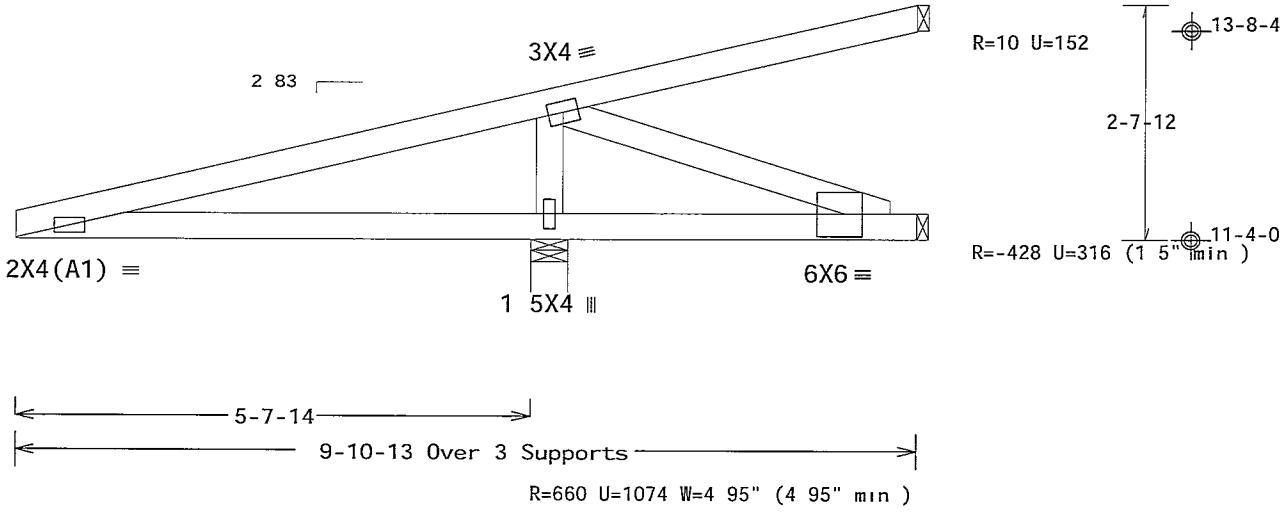
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -427# MAX (See below) from a non-wind load case requires uplift connection

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

Left cantilever is exposed to wind

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



Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:6 | FL/-/5/-/-/R/- | Scale =.5"/Ft

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

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

Trusses require extreme care in fabr cat ng handl ng shipping install ng and brac ng Re to follow the latest edition of BCSI (Bu lding Component Safety Informat on by TPI and WTCA) for safety practices prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling Locations shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sections B3 B7 or B10 as appl cable

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2678
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337135
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	335141
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ10 9 10"13 Hip Jack 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

Negative reaction(s) of -248# MAX (See below) from a non-wind load case requires uplift connection

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

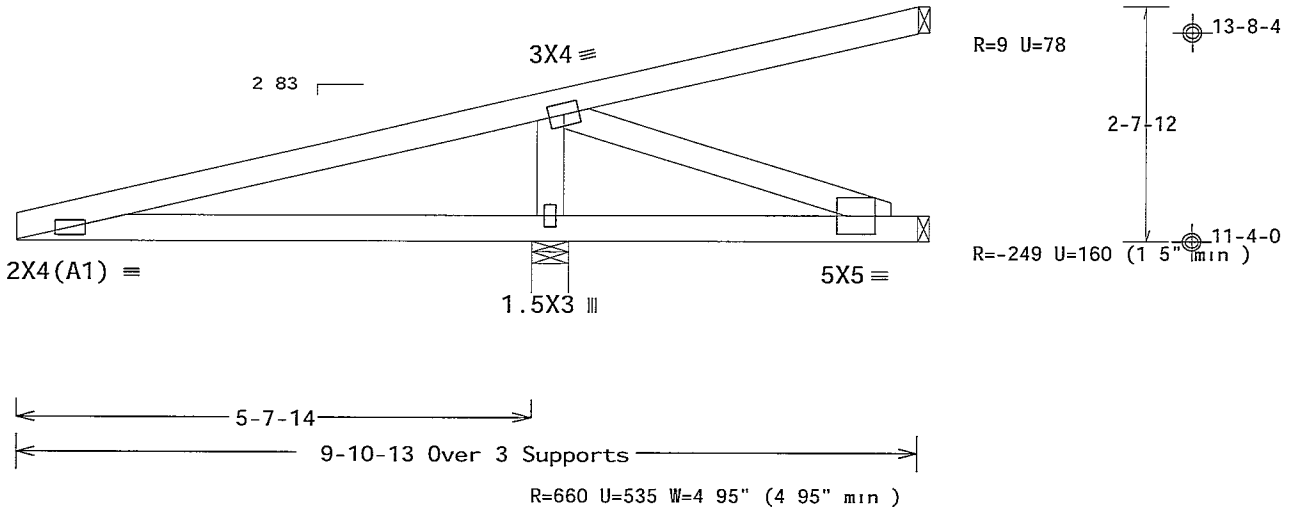
Bottom chord checked for 10 00 psf non-concurrent live load

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 2 plf at 0 00 to 2 plf at 9 90
BC- From 2 plf at 0 00 to 2 plf at 9 90
TC- 52 65 lb Conc Load at 1 48
TC- 208 85 lb Conc Load at 4 31
TC- -115 69 lb Conc Load at 7 13
BC- 29 32 lb Conc Load at 1 48
BC- 103 37 lb Conc Load at 4 31
BC- -184 62 lb Conc Load at 7 13

Wind loads and reactions based on MWFRS

Left cantilever is exposed to wind

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2679
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337095
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335138
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ4 4'2"3 Hip Jack Girder)

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

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

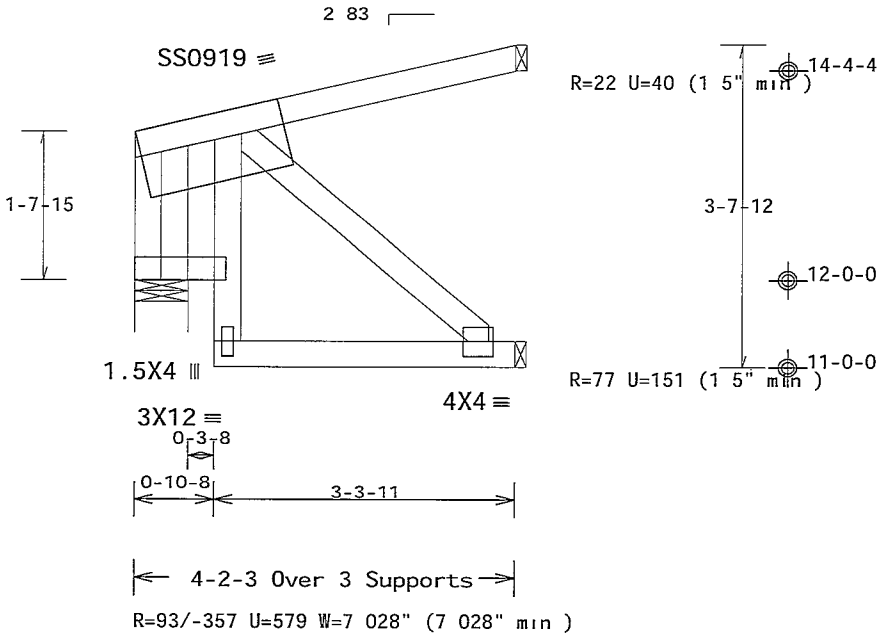
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -356# MAX (See below) from a non-wind load case requires uplift connection

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

Wind loads and reactions based on MWFRS

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) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale = 5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2680
TC DL	7 0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337150
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	335503
DUR.FAC	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ4 3'6"6 Hip Jack Girder)

Top chord 2x4 SP 2850f-2 3E
Bot chord 2x4 SP 2850f-2 3E
Webs 2x4 SP #1-13B W2 2x4 SP M-30

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

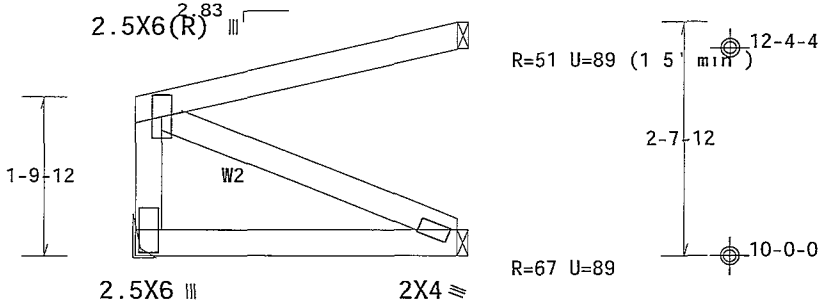
Wind loads and reactions based on MWFRS

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

Negative reaction(s) of -265# MAX (See below) from a non-wind load case requires uplift connection

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

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



< 3-6-6 Over 3 Supports >

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

Design Crit FBC2010Res/TPI-2007(STD)

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

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
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ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from th s design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for hand ng sh pping nstallation & brac ng of trusses Apply plates to each face of truss and posit on as shown above and on the Joint Data Is unless noted otherw se Refer to draw ngs 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 suitab lity and use of th s design for any the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more informat on see general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2681
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337062
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37 0 PSF	SEQN-	335487
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HJ7 7'0"14 Hip Jack Girder)

Top chord 2x4 SP 2850f-2 3E
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, 22 81 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

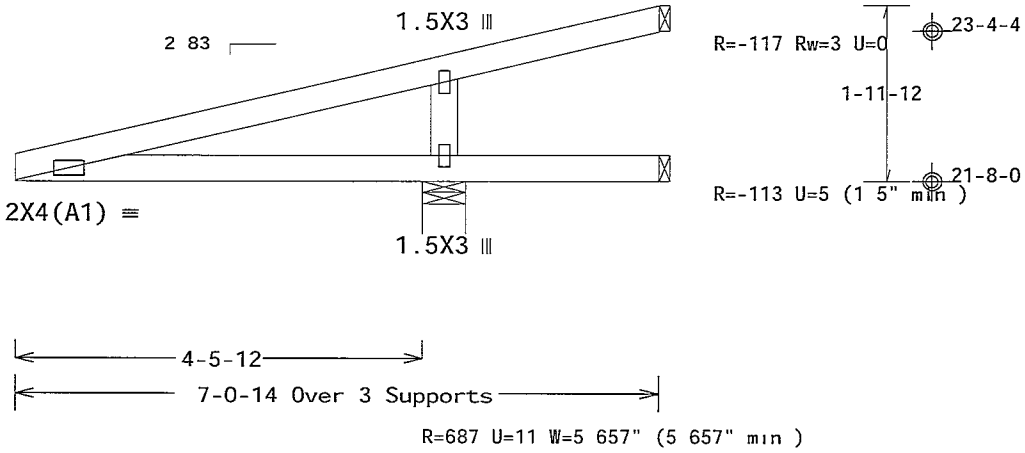
Left cantilever is exposed to wind

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

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

Wind loads and reactions based on MWFRS

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY·4 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL 20.0 PSF	REF R9114- 2682
TC DL 7.0 PSF	DATE 12/03/13
BC DL 10.0 PSF	DRW HCUSR9114 13337146
BC LL 0 0 PSF	HC-ENG WHK/WHK
TOT.LD 37 0 PSF	SEQN- 335508
DUR.FAC. 1.25	FROM JMW
SPACING 24.0"	JREF- 1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J1 1 Jack)

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

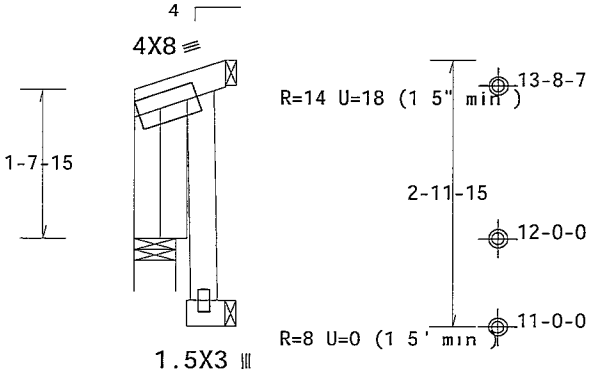
Lumber grades designated with "13B' use design values approved 1/30/2013 by ALSC

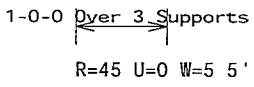
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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

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

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





Design Crit FBC2010Res/TPI-2007(STD)

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

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J1 1 Jack)

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

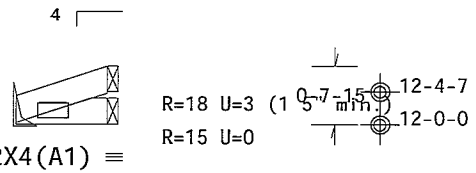
Lumber grades designated with "13B' use design values approved 1/30/2013 by ALSC

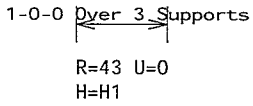
Bottom chord checked for 10 00 psf non-concurrent live load

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 0326.13 | 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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WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2684
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337069
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335108
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

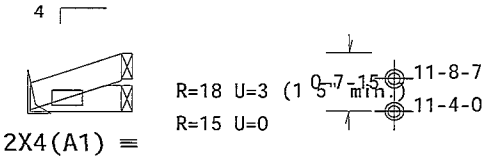
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

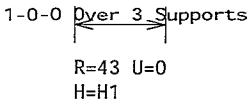
Wind loads and reactions based on MWFRS with additional C&C member design

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

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

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





Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #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 pping install ng and brac ng Re to follow the latest ed tion of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety practices pr or 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 chords shall have a properly attached rigid ce ling Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this des gn any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipping install on & brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons Appeal on this draw ng or cover page list 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 purpose is the responsibility of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2685
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337093
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335085
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J1 1 Jack)

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

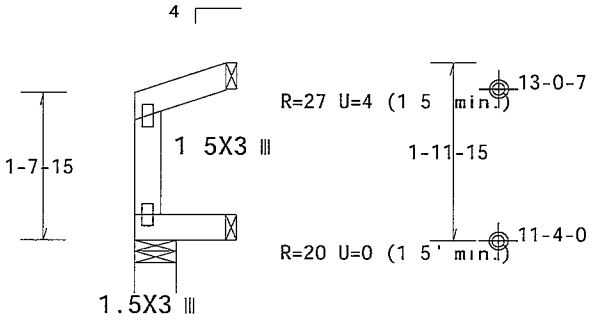
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

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



1-0-0 Over 3 Supports

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

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 08 04 032 6 13 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses requ re extreme care in fabr cat ng handl ng shipping nstalling and bracing Refer to follow the latest edit on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for practices prior to performing these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restrain of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

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

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 12/04/2013

TC LL	20.0 PSF	REF	R9114- 2686
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337077
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335071
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - J1 1' Jack)

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

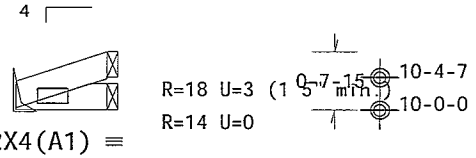
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

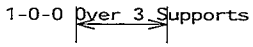
Bottom chord checked for 10 00 psf non-concurrent live load

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





R=43 U=0
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12 08 04 0326 13 QTY:17 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses requ re extreme care in fabr cating handl ng shipp ng nstalling and bracing Refer to BCSI follow the latest edit on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to performing these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure 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 this Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions A stamp on this drawing or cover page listing this drawing indicates acceptance of profess onal engineer ng respons b lity solely for the design shown The suitabil ty and use of th s design for any structure is the respons bility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see this job general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF R9114- 2687
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUSR9114 13337114
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 335124
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J3 3' Jack)

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

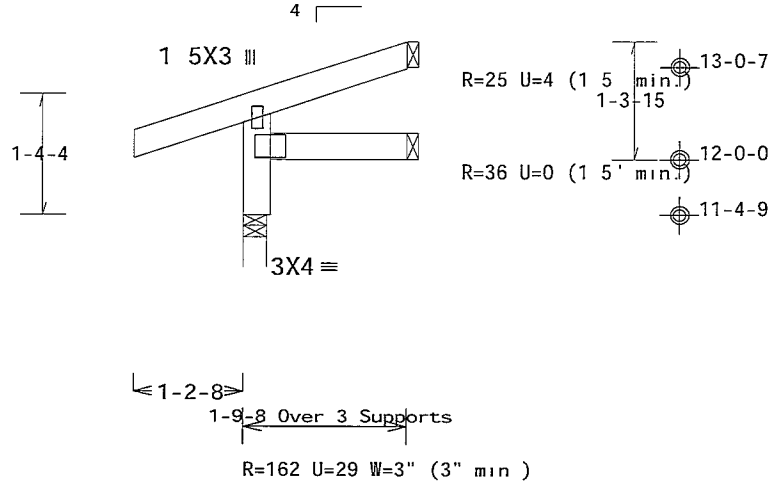
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP 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 08 04 032 6 13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2688
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337070
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335499
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J3 3' Jack)

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

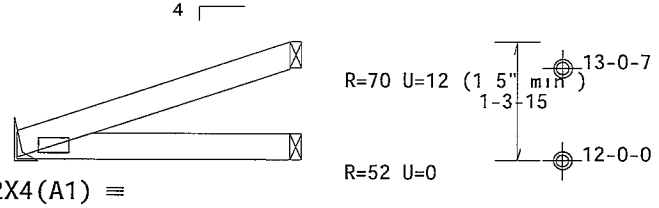
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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



<3-0-0 Over 3 Supports>

R=117 U=0
H=H1

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12 00 04 03226 13 | QTY:2 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

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

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Trusses require extreme care in fabr cat ng handl ng shipping installing and brac ng Refer to follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for practices prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r gid ceiling Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2689
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337125
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335119
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - J3 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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

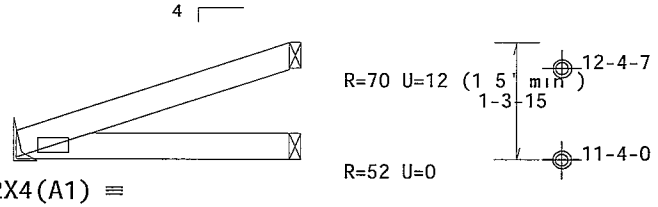
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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

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



~~<3-0-0 Over 3 Supports>~~

R=117 U=0
H=H1

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 08104 0326 13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from the des gn any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page listing this drawing indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitabil ty and use of th s des gn for any struct re is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see Thi 160 general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2690
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337092
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335039
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - J3 3 Jack)

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

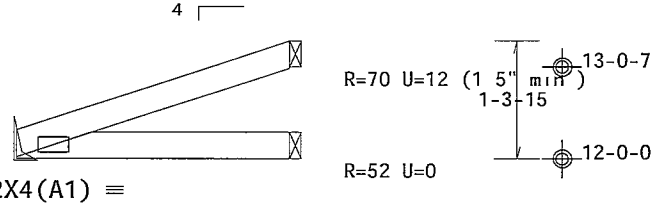
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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



<3-0-0 Over 3 Supports>

R=117 U=0
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03:04 09/26 13 QTY:25 FL/-/5/-/-/R/- Scale =.5"/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 deviat on from this des gn any failure to build the truss in conformance w th ANSI/TPI 1 or for handling shipp ng nstallation & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Detail s unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A signed PE s drawing or cover page list ng this draw ng indicates acceptance of professional engineering responsibil ty solely for the design shown The su tab lity and use of this design for any structure is the responsib l ty of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more information see Th s job general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2691
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337105
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335129
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

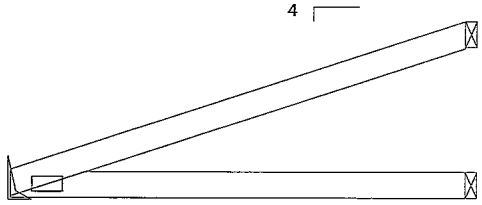
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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

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



R=120 U=21 (1 5" min)
13-0-7
1-11-15
11-4-0
R=89 U=0

5-0-0 Over 3 Supports

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

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12 03 04 0926 13 QTY.1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care n fabricating handling sh pping install ng and brac ng Refer to follow the latest ed tion of BCSI (Building Component Safety Informat on by TPI and WTCA) for practices pr or 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 rig d ce l ng Locat ons shown for permanent lateral restrai of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

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

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37 0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R9114- 2692
DATE	12/03/13
DRW	HCUSR9114 13337090
HC-ENG	WHK/WHK
SEQN-	335064
FROM	JMW
JREF-	1V1V487_Z03

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

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

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

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

Left cantilever is exposed to wind

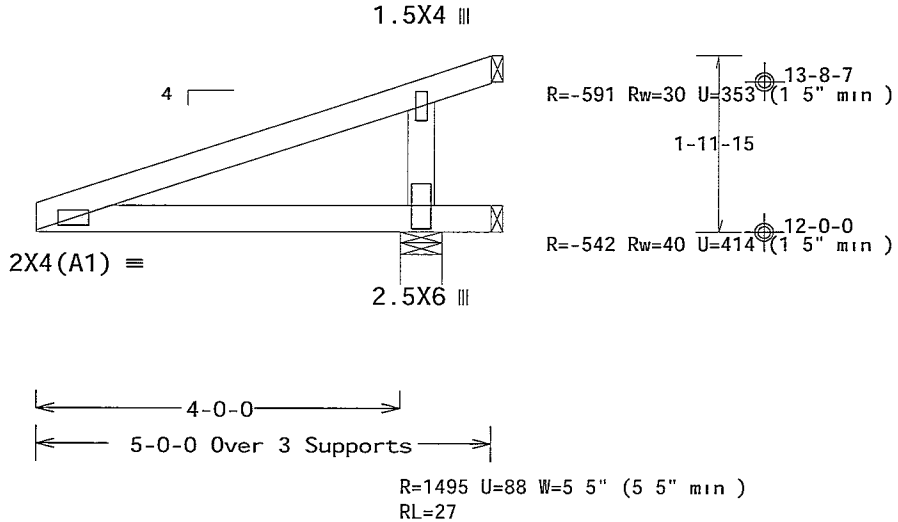
Bottom chord checked for 10 00 psf non-concurrent live load

Negative reaction(s) of -591# MAX (See below) from a non-wind load case requires uplift connection

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf 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=1495 U=88 W=5 5" (5 5" min)
RL=27

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04.09.26.13 QTY:25 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for 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 sealed this drawing or cover page l st ng th s drawing ndicates accceptance of profess onal eng neering responsibility solely for the des gn shown The su tab lity and use of this design for any structure is the responsibil ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more information see Th s job general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 12/04/2013

TC LL	20.0 PSF	REF	R9114- 2693
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337094
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335015
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - M1 13 10 8 Mono)

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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
(H1) = LU24 w/ (1)2x4 SP 2850f-2 3E supporting member
(4) 0 162 x3 5' nails into supporting member,
(2) 0 148"x1 5" nails into supported member

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

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

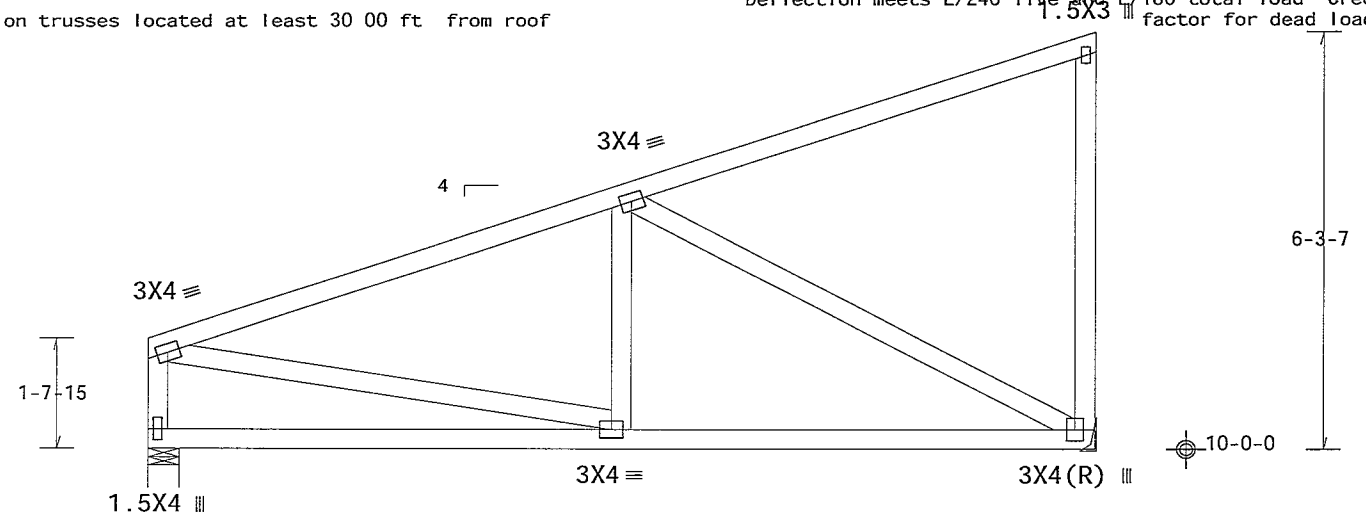
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

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

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

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



13-10-8 Over 2 Supports

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

R=519 U=0
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12 03 04 03 26 13 | QTY·7 | FL/-/5/-/-/R/- | Scale =.375"/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 sh pping installation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on this draw ng or cover page list ng th s draw ng nd cates acceptance of professional engineering responsibility solely for the design shown The su tab lity and use of this design for any structure is the responsib l ty of the Building Des gner per ANSI/TPI 1 Sec 2 For more information see Th s job general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2694
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337120
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335040
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - MG1 5 7 2 Mono Girder)

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

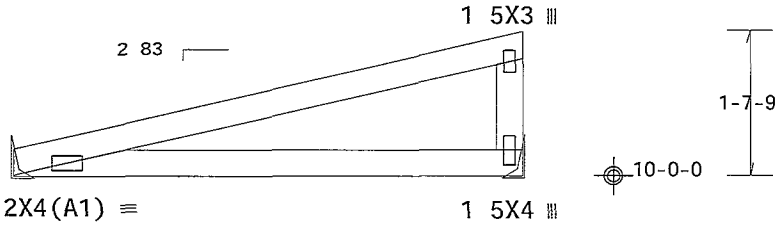
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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



5-7-2 Over 2 Supports

R=213 U=5
RL=22
H=H1

R=203 U=12
H=H2

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale = 5"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Trusses requ re extreme care in fabr cat ng handl ng shipp ng nstalling and bracing Refer to and follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to performing these funct ons Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceil ng Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any fa lure to build the truss in conformance w th ANSI/TPI 1 or for handl ng shipp ng nstallat on & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page listing th s drawing ndicates acceptance of profess onal engineer r sponsb l ity solely for the des gn shown The suitabil ty and use of this des gn for any purpose is the respons b l ity of the Building Des gner per ANSI/TPI 1 Sec 2 For more information see this job's general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - MH1 49 10 8 Mono Hip)

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP #2-13B
Webs 2x4 SP #3-13B W6, W15, W20 2x4 SP #2-13B

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

Left cantilever is exposed to wind

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

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

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

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

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

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

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

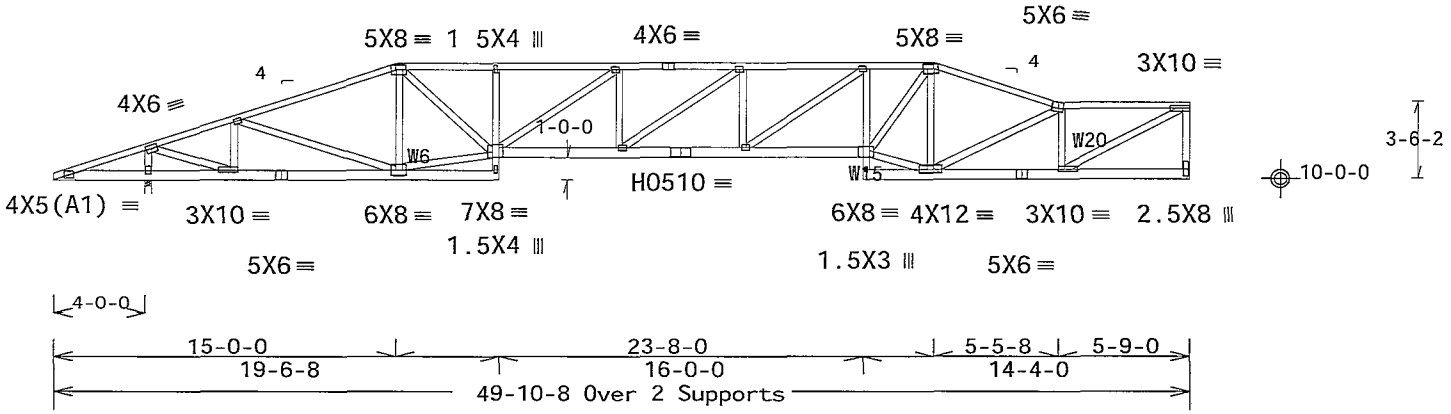
Right end vertical not exposed to wind pressure

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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



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

R=1695 U=3
H=H1

Note All Plates Are 3X4 Except As Shown.

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 12.03.04.0326.13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - MH2 49 10'8 Mono Hip)

Top chord 2x4 SP 2850f-2 3E
Bot chord 2x6 SP #2-13B B1 2x6 SP M-26
B3, B4 2x6 SP SS-13B
Webs 2x4 SP #3-13B W6, W15, W18 2x4 SP #2-13B·
W7, W8, W14, W16 2x4 SP #1-13B

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

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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

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

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

Right end vertical not exposed to wind pressure

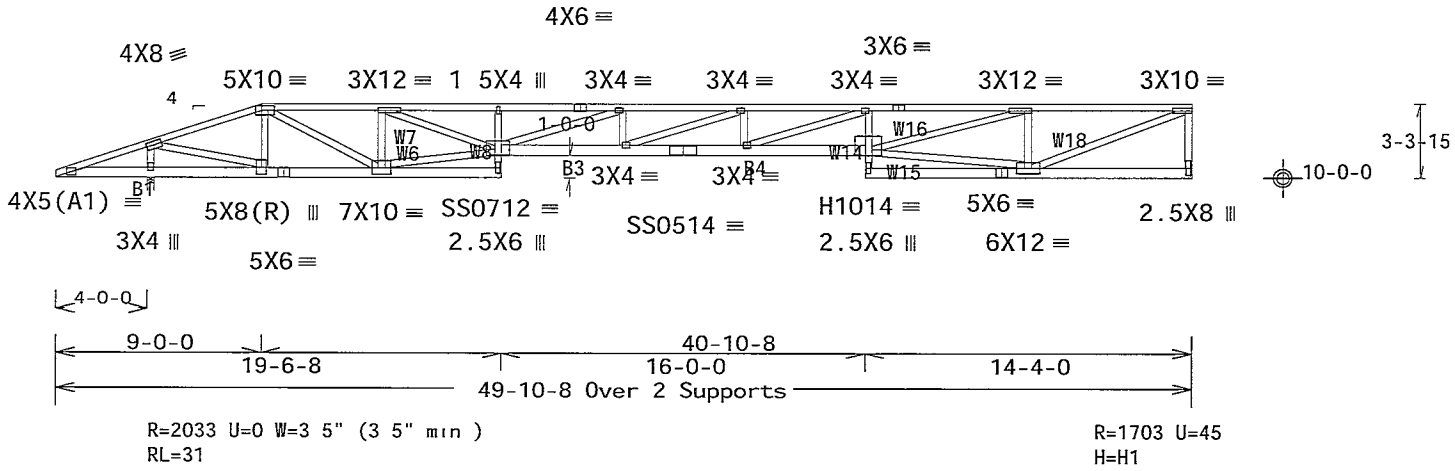
Calculated horizontal deflection is 0 25" due to live load and 0 36" due to dead load

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

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

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

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



PLT TYP 20 Gauge HS,18 Gauge HS, Wave Design Crit FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 12.03.04.0326.13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL 20.0 PSF	REF R9114- 2697
TC DL 7.0 PSF	DATE 12/03/13
BC DL 10.0 PSF	DRW HCUSR9114 13337068
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT LD. 37 0 PSF	SEQN- 335269
DUR.FAC. 1.25	FROM JMW
SPACING 24.0"	JREF- 1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - MH3 49'10"8 Mono Hip)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B W5, W16, W19 2x4 SP #2-13B

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

Left cantilever is exposed to wind

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

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

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

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

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

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

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

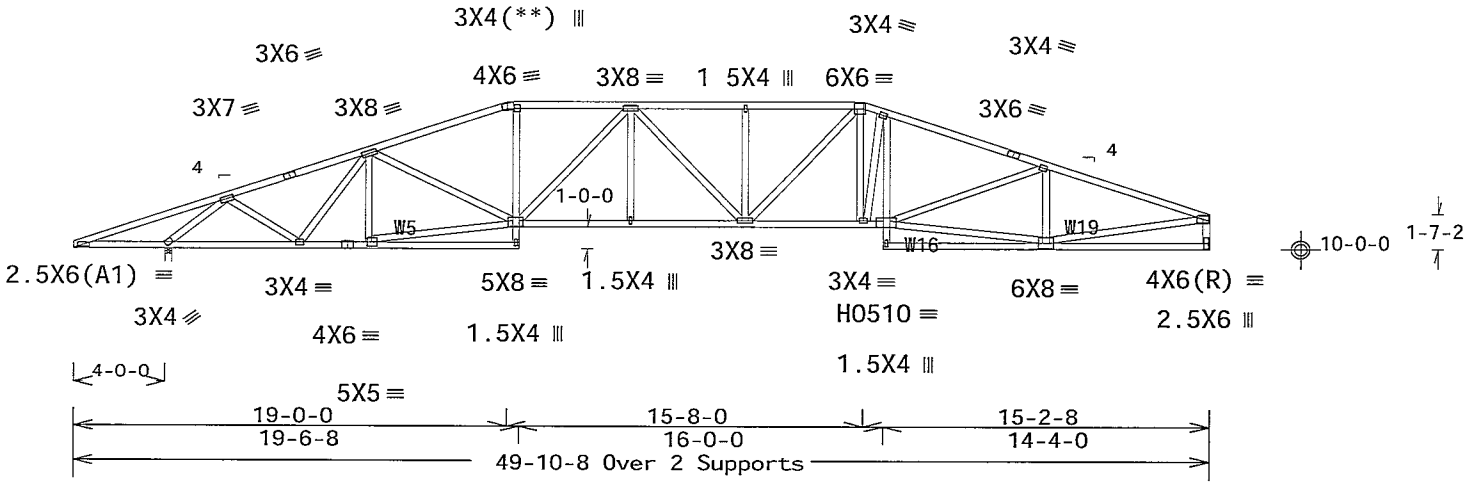
Wind loads and reactions based on MWFRS with additional C&C member design

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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



R=2033 U=0 W=3 5" (3 5" min)
RL=93/-87

R=1703 U=0
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave | FT/RT=10%(0%)/0(0) | 12.03-04-0226.13 | QTY 1 | FL/-/5/-/-/R/- | Scale =.125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2698
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337145
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	335054
DUR FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - MH4 49'10"8 Mono Hip)

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP #2-13B
Webs 2x4 SP #3-13B W6, W7, W15, W16 2x4 SP #2-13B

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

Left cantilever is exposed to wind

Calculated horizontal deflection is 0 15" due to live load and 0 22" due to dead load

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

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

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

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

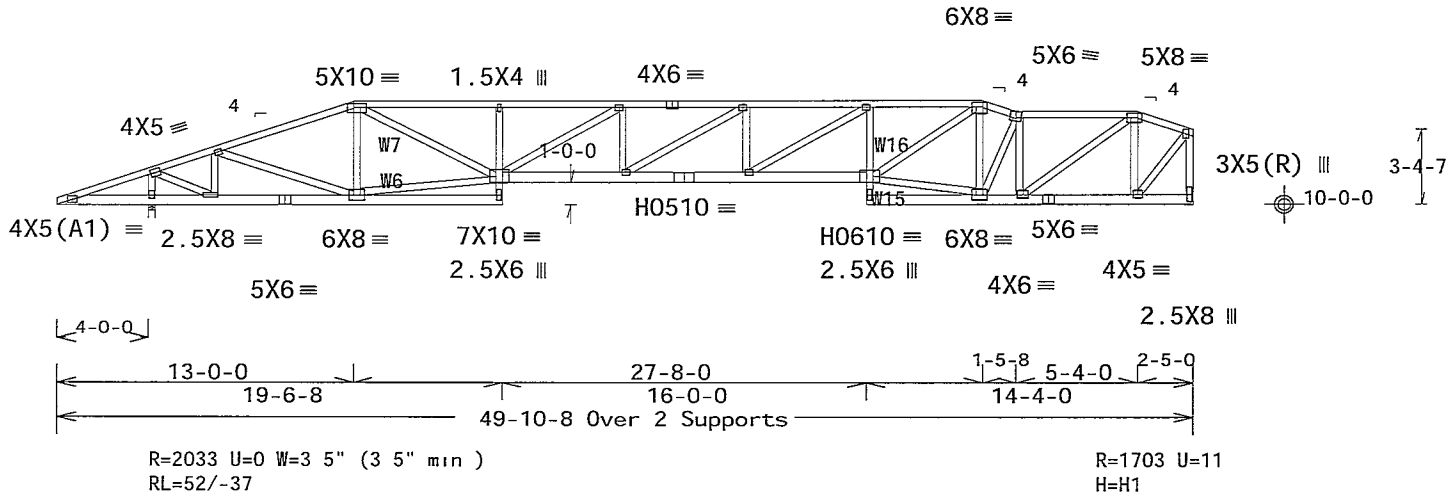
Right end vertical not exposed to wind pressure

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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



Note· All Plates Are 3X4 Except As Shown

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 12 03-04-0326.13 QTY.1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #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 sh pping install ng and brac ng Refer to and follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ceiling Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any dev at on from the des gn any fa lure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng nstallat on & bracing of trusses Apply plates to each face of truss and posit on as shown above and on the Joint Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th s drawing or cover page listing this drawing indicates acceptance of profess onal eng neer ng respons bility solely for the design shown The suitabil ty and use of th s des gn for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see this general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2699
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10 0 PSF	DRW	HCUSR9114 13337067
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	335259
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - MH5 49'10'8 Mono Hip)

Top chord 2x4 SP #1-13B T4 2x4 SP M-30
Bot chord 2x6 SP #2-13B
Webs 2x4 SP #3-13B W8, W16, W26 2x4 SP #2-13B
W15 2x6 SP #1 Dense-13B

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

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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

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

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

Right end vertical not exposed to wind pressure

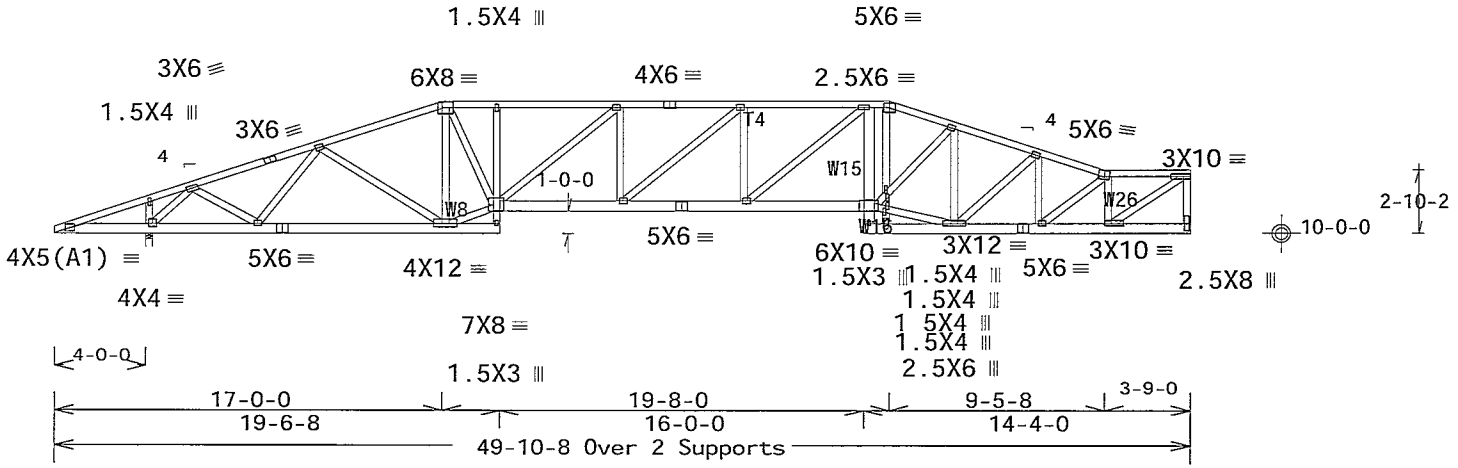
Calculated horizontal deflection is 0 11" due to live load and 0 16" due to dead load

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

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

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

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



Note All Plates Are 3X4 Except As Shown

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 00 04 0326 13 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!
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Trusses requ re extreme care in fabricat ng handl ng shipping install ng and brac ng Refer to follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for practices prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restra nt of webs shall have brac ng nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Bu ilding Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this des gn any fa lure to build the truss in conformance with ANSI/TPI 1 or for hand ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on the joints Deta ls unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page listing this draw ng indicates acceptance of profess onal eng neer ng respons bility solely for the design shown The suitabil ty and use of th s des gn for any struc ure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformat on see This design general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2700
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10 0 PSF	DRW	HCUSR9114 13337091
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	335246
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - MH6 49'10"8 Mono Hip)

Top chord 2x4 SP #1-13B T2, T3 2x4 SP M-30
T4 2x4 SP 2850f-2 3E
Bot chord 2x6 SP #2-13B B3, B4 2x6 SP #1 Dense-13B
B6 2x6 SP M-26
Webs 2x4 SP #3-13B
W2, W6, W7, W8, W14, W15, W16, W18 2x4 SP #2-13B

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

Calculated horizontal deflection is 0 18" due to live load and 0 26' due to dead load

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

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

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

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

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

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

Right end vertical not exposed to wind pressure

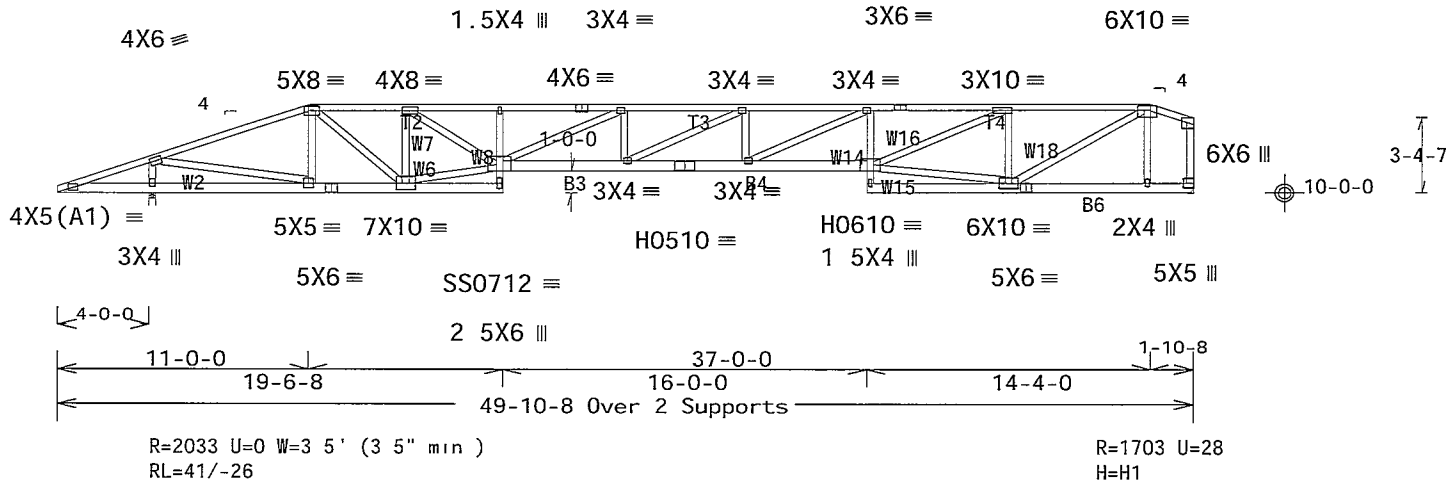
Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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



PLT TYP 20 Gauge HS,18 Gauge HS, Design Crit FBC2010Res/TPI-2007(STD)
Wave FT/RT=10%(0%)/0(0) 12 03 04 0326 13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Trusses requ re extreme care n fabr cat ng handl ng sh pp ng nstall ng and bracing Ref to follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for practices prior to performing these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceil ng Locations shown for permanent lateral restra nt of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Bu ilding Components Group Inc (ITWBCG) shall not be responsible for any deviat on from this des gn any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng installat on & brac ng of trusses Apply plates to each face of truss and posit on as shown above and on this 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 this draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The suitability and use of this design for any struc the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This des general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2701
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337071
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335264
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - MHG1 49'10"8 Mono Hip Girder)

Top chord 2x4 SP 2850f-2 3E
Bot chord 2x6 SP M-26 B5 B6 2x6 SP SS-13B
Webs 2x4 SP #3-13B W5 W6 W13 W15 2x4 SP #2-13B
W7 2x4 SP M-30

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at 0 00 to 55 plf at 7 00
TC- From 27 plf at 7 00 to 27 plf at 49 88
BC- From 20 plf at 0 00 to 20 plf at 7 06
BC- From 10 plf at 7 06 to 10 plf at 19 54
BC- From 10 plf at 19 54 to 10 plf at 35 54
BC- From 10 plf at 35 54 to 10 plf at 49 88
TC- 162 26 lb Conc Load at 3 09
TC- 171 61 lb Conc Load at 7 03
TC- 69 59 lb Conc Load at 9 06 11 06 13 06 15 06 17 06
TC- 56 20 lb Conc Load at 19 06,21 06 23 06 25 06 27 06
TC- 54 05 lb Conc Load at 29 06 31 06
TC- -84 00 lb Conc Load at 33 06
TC- 8 63 lb Conc Load at 35 06 37 06 39 06 41 06 43 06 45 06 47 06 49 06
BC- 118 02 lb Conc Load at 7 03
BC- 50 83 lb Conc Load at 9 06,11 06 13 06 15 06 17 06
BC- 38 80 lb Conc Load at 19 06 21 06 23 06,25 06 27 06
BC- 58 09 lb Conc Load at 29 06 31 06

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131 x3 , min nails
Top Chord 1 Row @12 00 o c
Bot Chord 1 Row @12 00 o c
Webs 1 Row @ 4 o c
Use equal spacing between rows and stagger nails in each row to avoid splitting

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

Wind loads and reactions based on MWFRS

Right end vertical not exposed to wind pressure

Left cantilever is exposed to wind

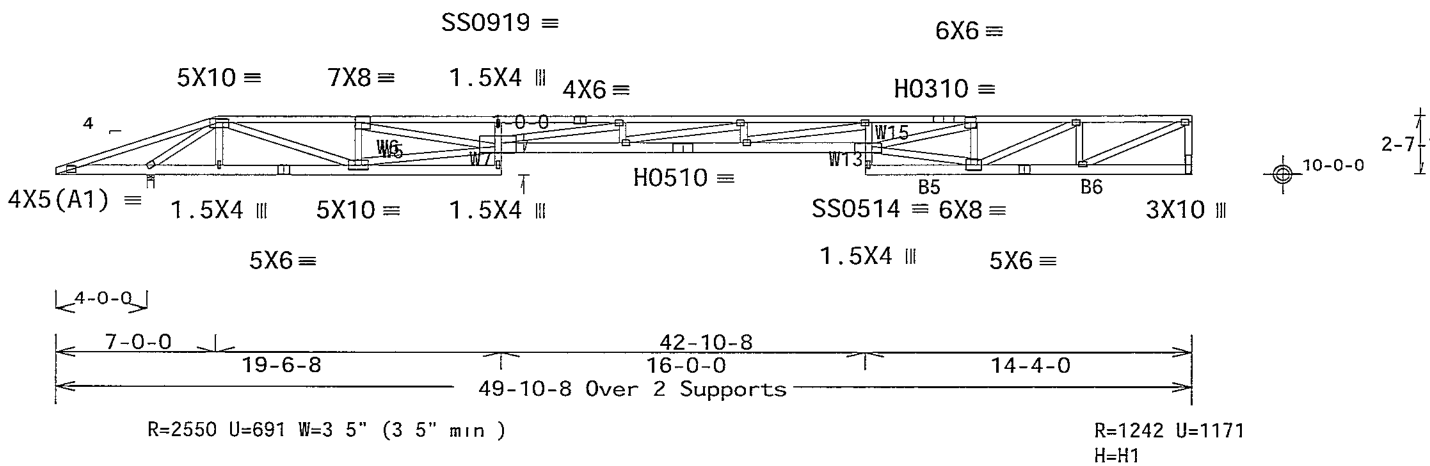
Calculated horizontal deflection is 0 24 due to live load and 0 28 due to dead load

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

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

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

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



Note All Plates Are 3X4 Except As Shown
PLT TYP 20 Gauge HS,18 Gauge HS, Design Crit FBC2010Res/TPI-2007(STD)
Wave FT/RT=10%(0%)/0(0) 12.03.04.0026.13 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
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Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & 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 this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job's general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2702
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337140
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335501
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - MHG2 7' Mono 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

Wind loads and reactions based on MWFRS

Left cantilever is exposed to wind

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

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

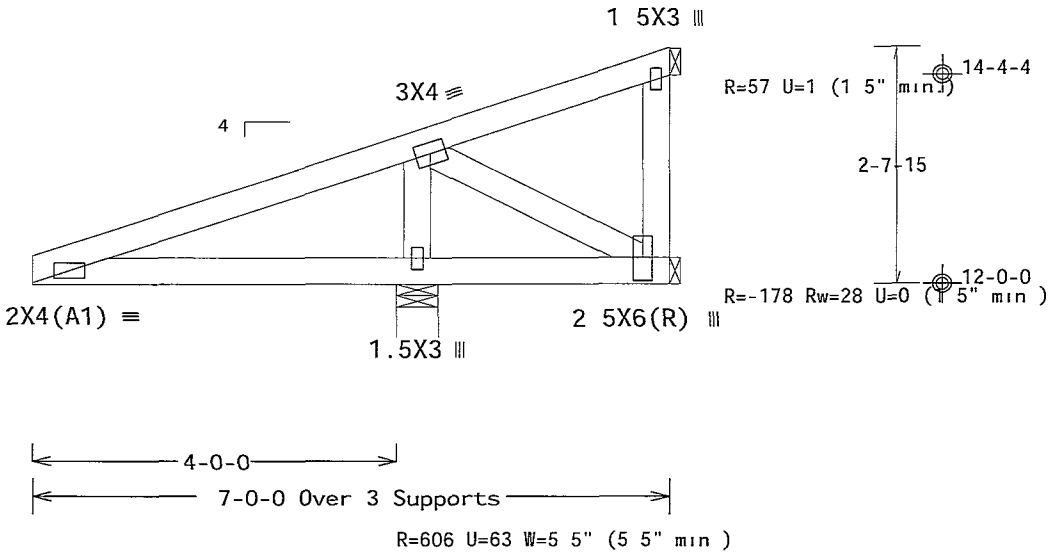
Negative reaction(s) of -178# MAX (See below) from a non-wind load case requires uplift connection

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

Right end vertical not exposed to wind pressure

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

Hipjack supports 4-11-6 setback jacks with 2-9-15 cantilever one face, 2-9-15 cantilever opposite face



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03-04.0826.13 QTY:1 FL/-/5/-/-/R/- Scale = 5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2703
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337085
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	335459
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-1 15'11"8 Common)

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

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

Left cantilever is exposed to wind

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

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

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

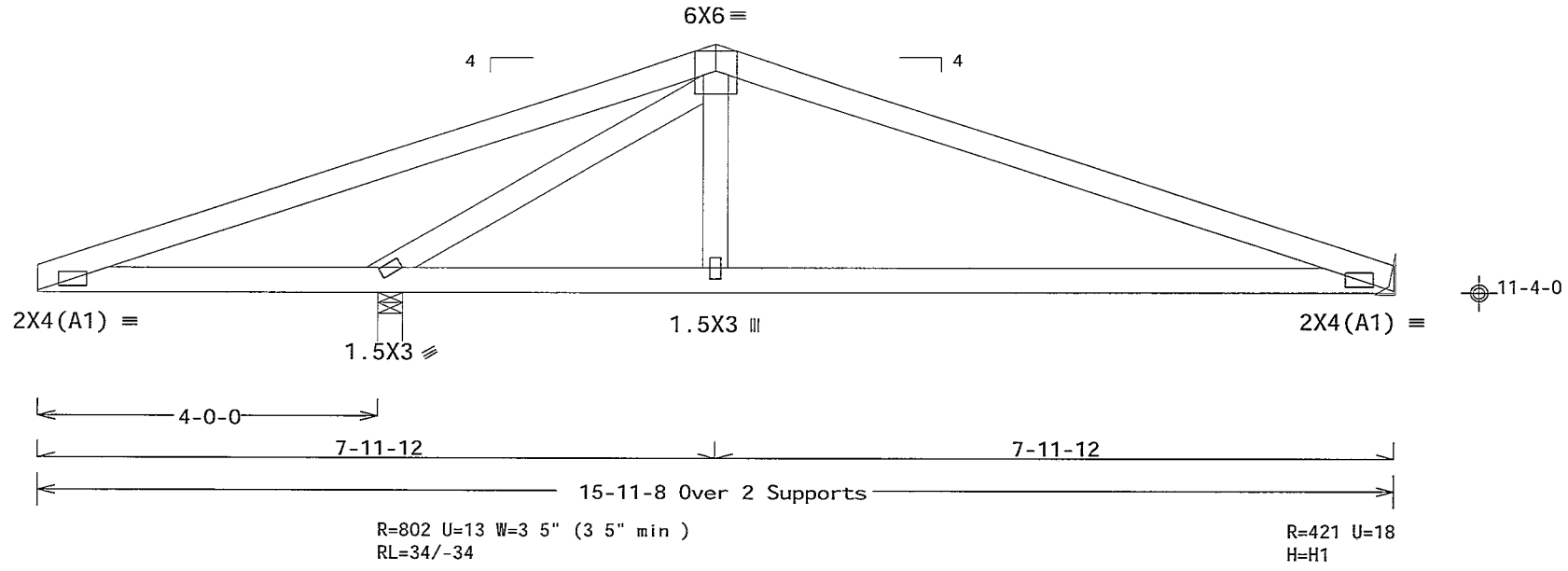
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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) 12.03-04.0826.13 QTY:5 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2704
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337098
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335016
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-2 12'10 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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
(H1) = LU24 w/ (1)2x4 SP #1-13B supporting member
(4) 0 148 x3' nails into supporting member,
(2) 0 148"x1 5' nails into supported member
(H2) = LU24 w/ (2)2x6 SP SS-13B supporting member
(4) 0 148 x3' nails into supporting member,
(2) 0 148"x1 5" nails into supported member

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

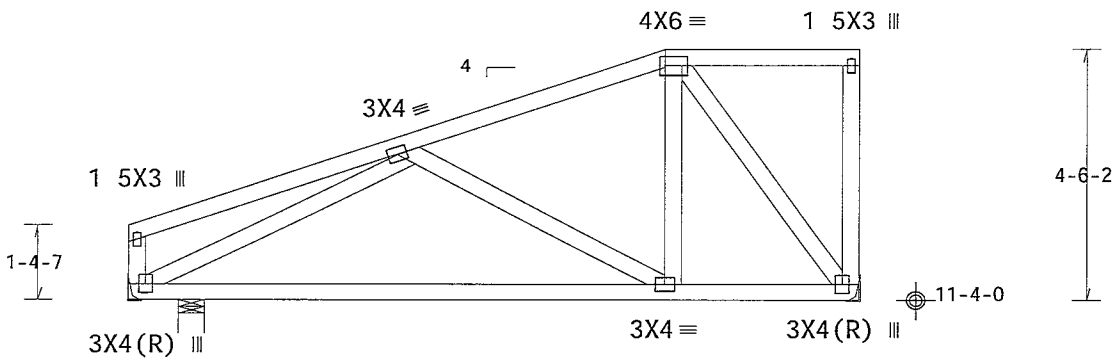
Right end vertical not exposed to wind pressure

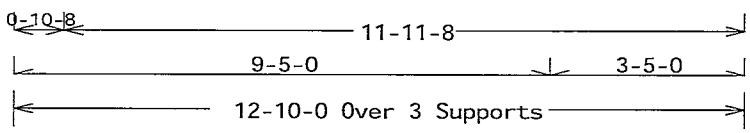
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

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

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

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





R=295 U=50
RL=33 R=394 U=0 W=5 5"
H=H1

R=462 U=11
H=H2

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12 03 04 0326.13 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #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 fabricating handling shipping nstalling and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping nstallation & bracing of trusses Apply plates to each face of truss and position as shown above and on the joint Detail s unless noted otherwise Refer to drawings 160A-Z for standard plate positions Typical on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2705
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337099
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335024
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

End verticals not exposed to wind pressure

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

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

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

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

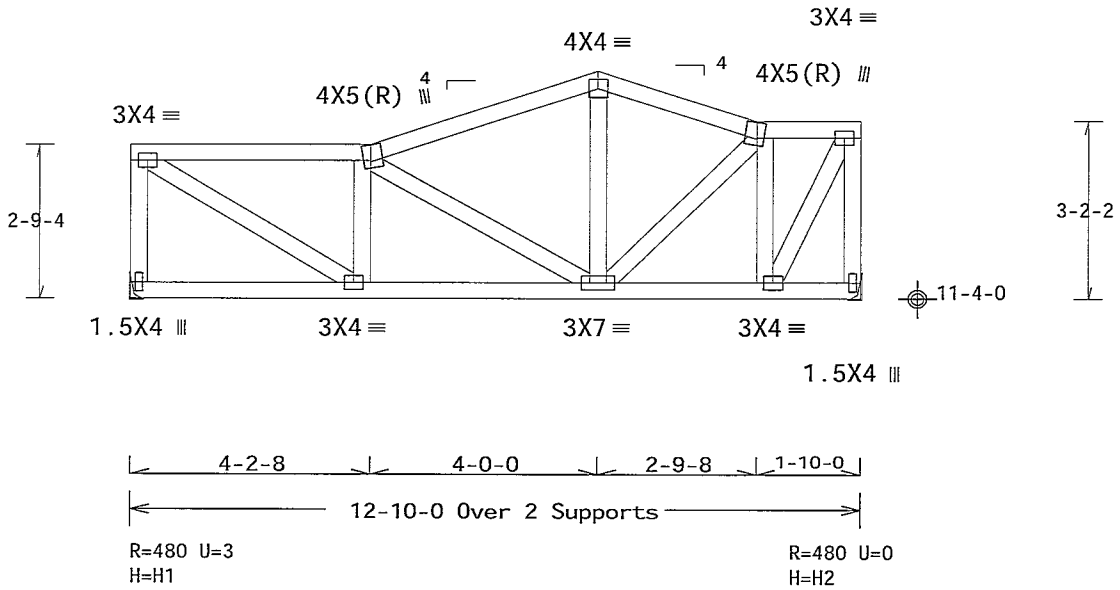
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
(H1) = LU24 w/ (1)2x4 SP #1-13B supporting member
(4) 0 148"x3" nails into supporting member,
(2) 0 148"x1 5" nails into supported member
(H2) = LU24 w/ (2)2x6 SP SS-13B supporting member
(4) 0 148"x3" nails into supporting member,
(2) 0 148'x1 5' nails into supported member

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) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.3125"/Ft.

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

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Trusses require extreme care in fabricating handling shipping install ng and brac ng Re follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) fo pract ces prior to performing these functions Installers shall provide temporary bracing Unless noted otherw se top chord shall have properly attached structural sheathing and bot shall have a properly attached rig d ce ling Locat ons shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sections B3 B7 or B10 as appl cable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any deviat on any fa lure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling shipping bracing of trusses Apply plates to each face of truss and pos t on as shown above and Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions draw ng or cover page l sting th s draw ng nd cates acceptance of professional engineerin respons b l ty solely for the design shown The su tab l ity and use of this design for any the responsibil ty of the Building Des gner per ANSI/TPI 1 Sec 2 For more informat on see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2706
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337086
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335034
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-4 15'11"8 Common)

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

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

Left cantilever is exposed to wind

(J) Hanger Support Required, by others

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

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

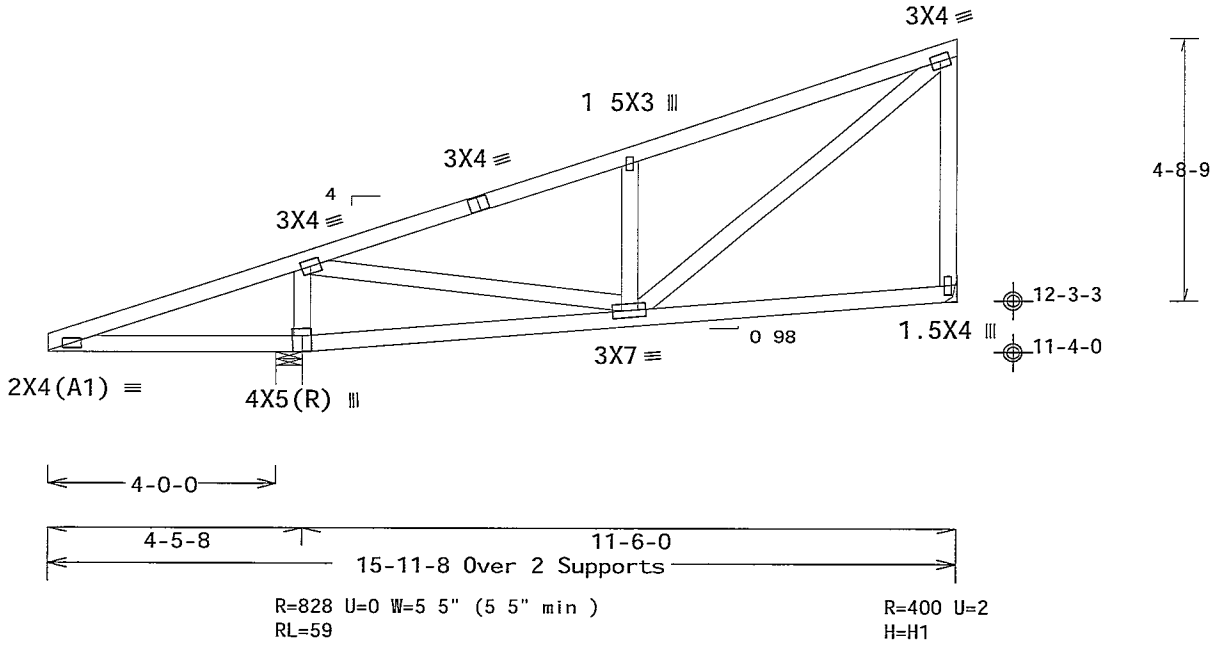
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

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

Shim all supports to solid bearing

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) 12.03.04.0326.13 QTY:2 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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

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Trusses require extreme care n fabricating handling sh pp ng nstalling and bracing Re follow the latest ed t on of BCSI (Bu lding Component Safety Information by TPI and WTCA) fo practices pr or to perform ng these functions Installers shall provide temporary bracing Unless noted otherwise top chord shall have properly attached structural sheathing and bot shall have a properly attached rigid ce l ng Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

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WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2707
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337102
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335033
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - T-5 15'11'8 Common)

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

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

Left cantilever is exposed to wind

(J) Hanger Support Required, by others

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

Shim all supports to solid bearing

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

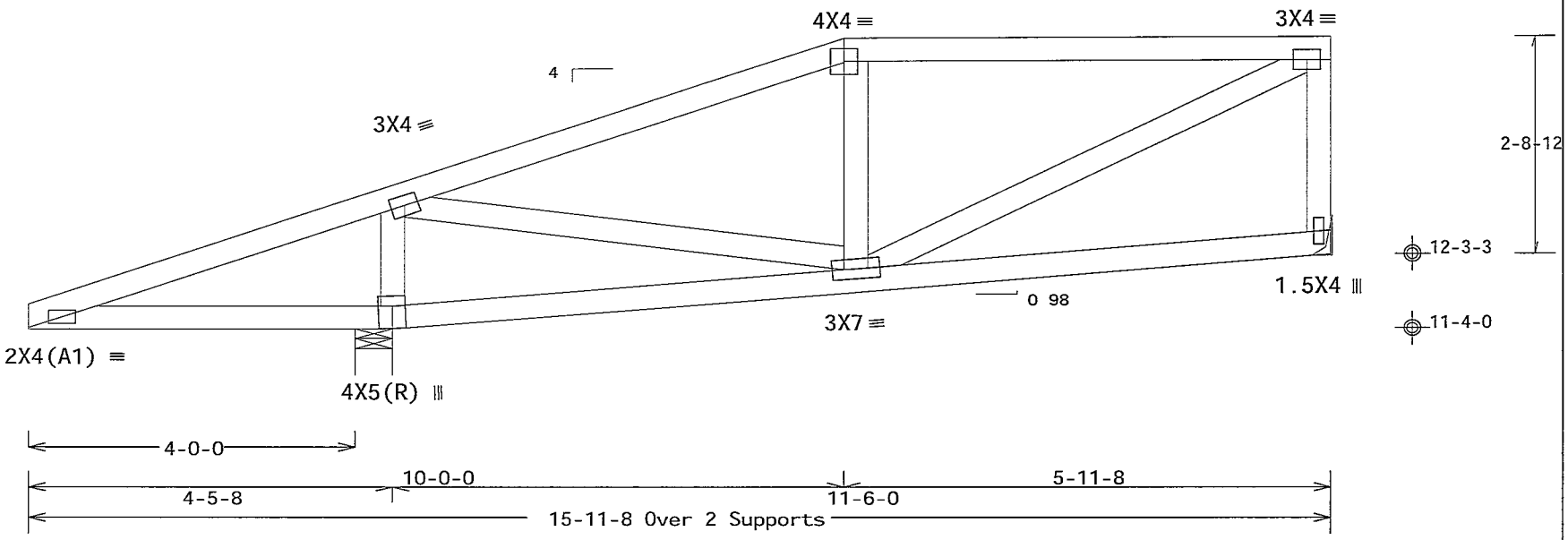
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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=828 U=9 W=5 5" (5 5" min)
RL=38

R=400 U=22
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12 08 04 032626 13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.5"/Ft

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2708
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337103
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335038
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-6 15 11"8 Common)

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

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

Left cantilever is exposed to wind

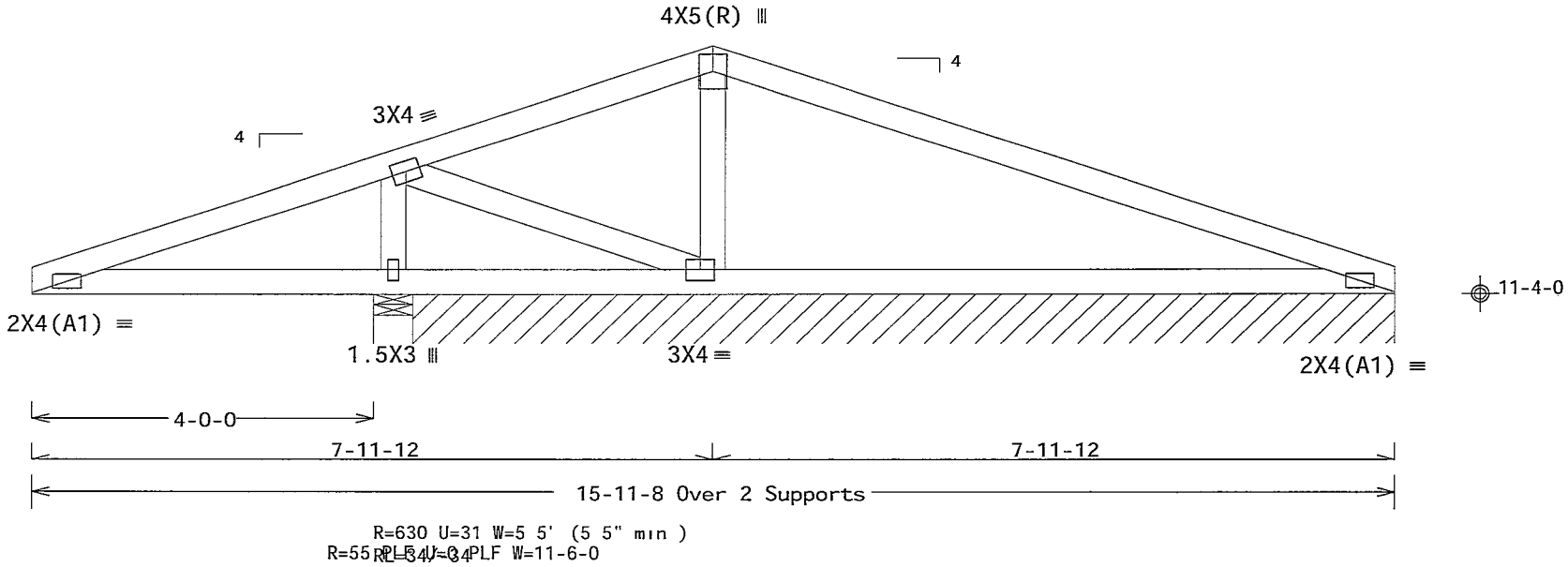
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12 08 04,0326 13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2709
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337100
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335135
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-7 15 11'8 Common)

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

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

Left cantilever is exposed to wind

(J) Hanger Support Required, by others

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

Shim all supports to solid bearing

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

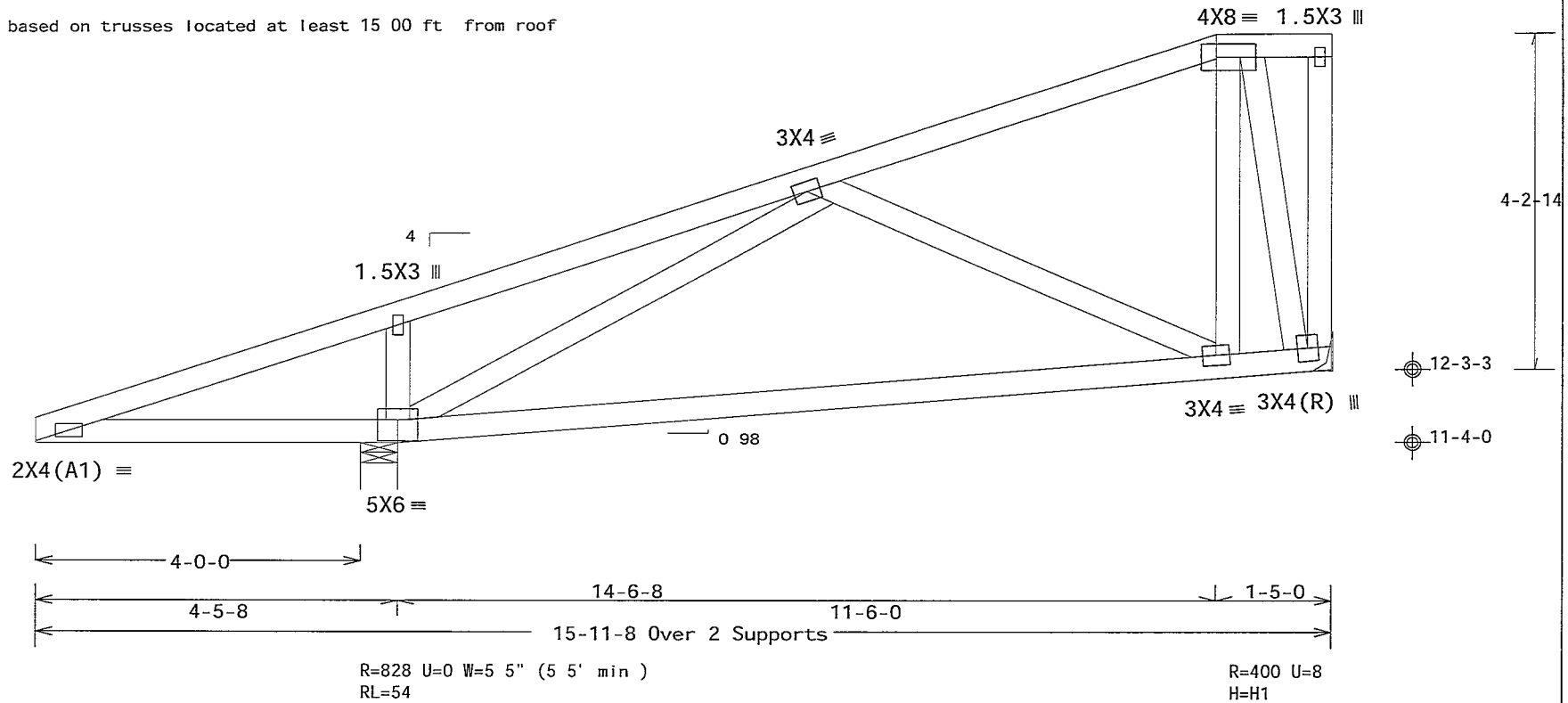
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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 0 04 0326 13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2710
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337104
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335057
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - T-8 15'11"8 Common)

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

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

Left cantilever is exposed to wind

(J) Hanger Support Required, by others

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

Shim all supports to solid bearing

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

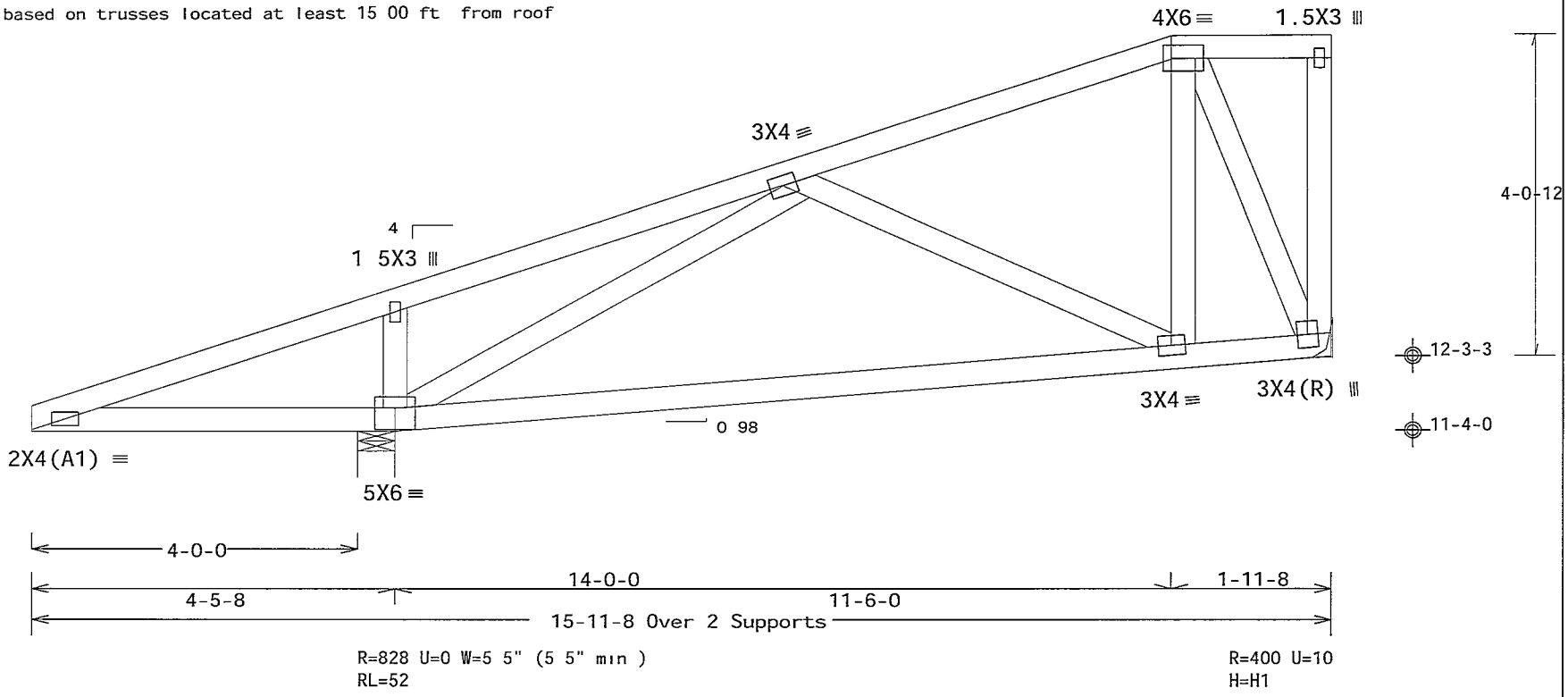
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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=828 U=0 W=5 5" (5 5" min)
RL=52

R=400 U=10
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12 03-P4 D326 13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2711
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337106
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	335060
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-9 15'11'8 Common)

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

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

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

Deflection meets L/240 live and L/180 total load Creep 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

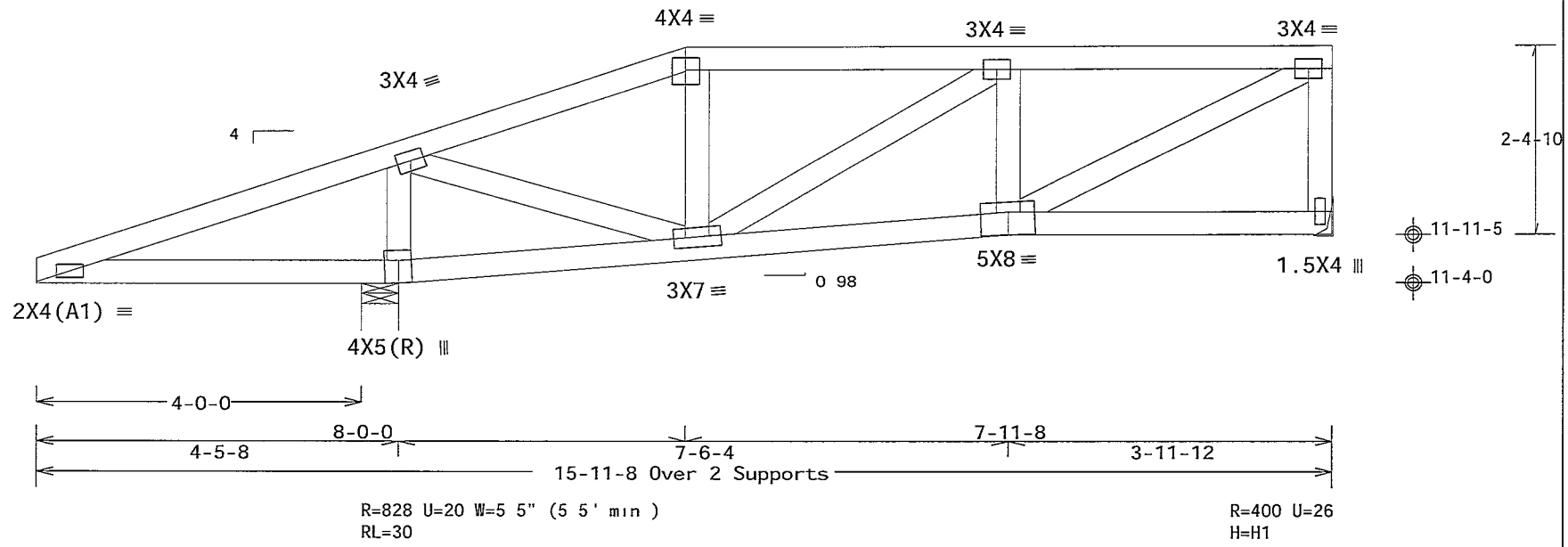
Right end vertical not exposed to wind pressure

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

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

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

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 00 24 DSGN 13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

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

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev ation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page listing this drawing indicates acceptance of profess onal engineer ng responsibility solely for the design shown The suitabil ty and use of th s des gn for any str the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see Th general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-10 12 10" 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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
(H1) = LU24 w/ (1)2x4 SP #1-13B supporting member
(4) 0 148"x3' nails into supporting member,
(2) 0 148 x1 5" nails into supported member
(H2) = LU24 w/ (2)2x6 SP SS-13B supporting member
(4) 0 148"x3" nails into supporting member,
(2) 0 148 x1 5 nails into supported member

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

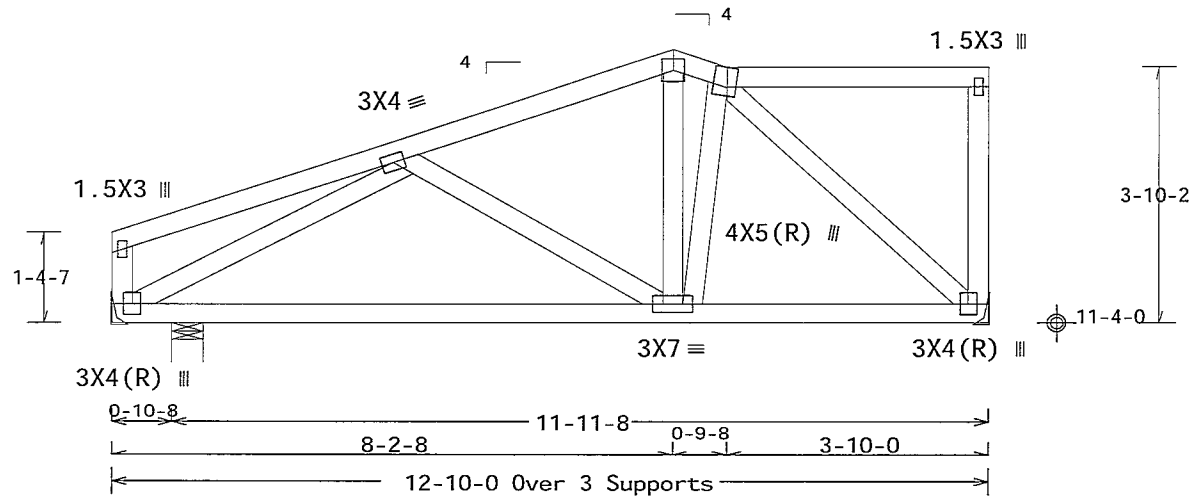
Right end vertical not exposed to wind pressure

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

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

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

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



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

R=466 U=9
H=H2

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03 24 D326 13 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

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

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

ITW Build ng Components Group Inc (ITWBCG) shall not be responsible for any dev ation from this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping Installation & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joints Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page listing th s drawing ndicates acceptance of profess onal engineering responsib l ty solely for the design shown The su tab lity and use of this design for any str the responsibility of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more information see Th general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2713
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337101
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	335075
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-11 15'11"8 Common)

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

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

Left cantilever is exposed to wind

(J) Hanger Support Required, by others

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

Shim all supports to solid bearing

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

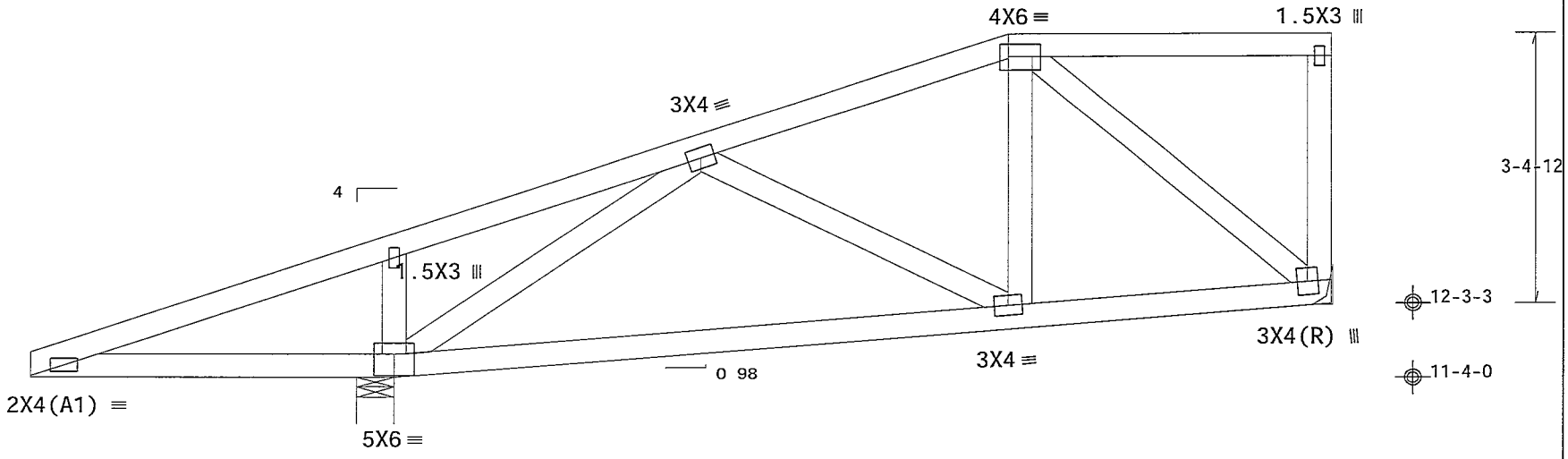
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

R=400 U=17
H=H1

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12_03_04_0826.13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses requ re extreme care n fabr cat ng handl ng shipping installing and bracing Refer to follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for practices prior to perform ng these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ce l ng Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

!TW Building Components Group Inc (ITWBCG) shall not be responsible for any dev at on fr any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling sh pp ng n brac ng of trusses Apply plates to each face of truss and posit on as shown above and on th Dota ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A draw ng or cover page l st ng th s draw ng ind cates acceptance of professional engineering responsibil ty solely for the des gn shown The su tab lity and use of this design for any st the responsib l ty of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more informat on see general notes page !TW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-12 15'11"8 Common)

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

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

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

Deflection meets L/240 live and L/180 total load Creep 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

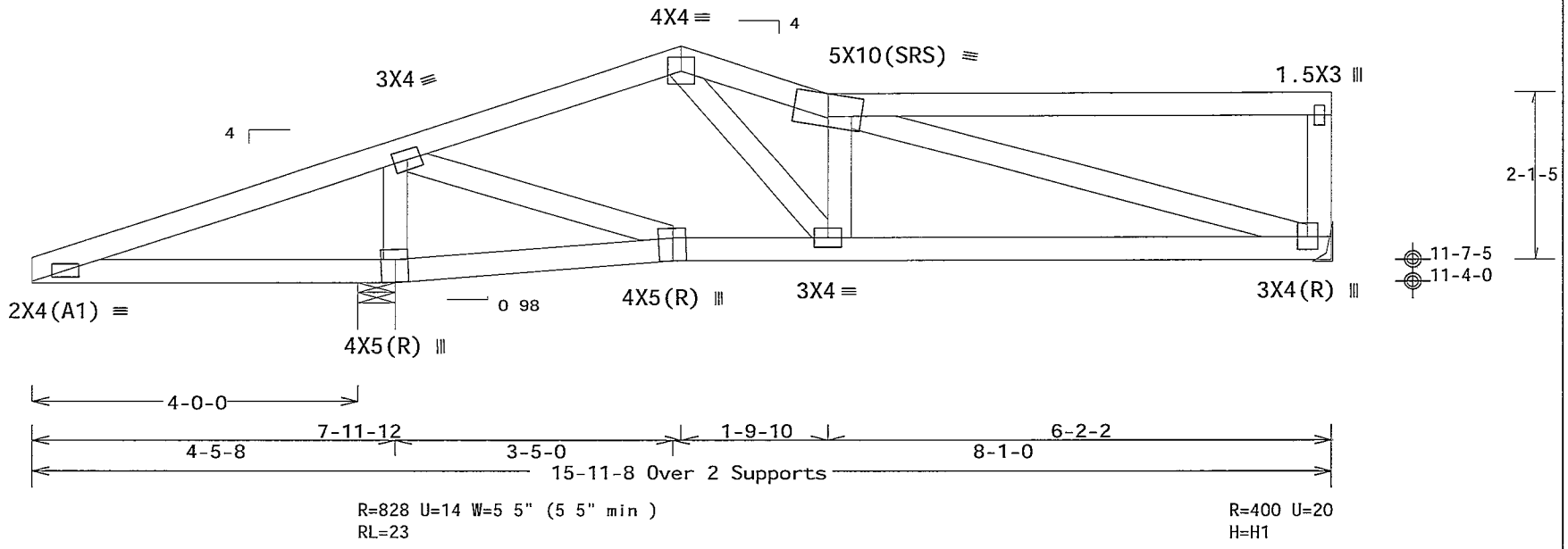
Right end vertical not exposed to wind pressure

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

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

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

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 0826 13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses requ re extreme care in fabr cat ng handling shipping install ng and brac ng Refer to follow the latest edition of BCSI (Bu ld ng Component Safety Informat on by TPI and WTCA) for practices pr or to perform ng these functions Installers shall provide temporary brac ng per Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d ce l ng Locations shown for permanent lateral restra nt of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from drawings gn any failure to build the truss in conformance w th ANSI/TPI 1 or for handling shipp ng 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 positions A seal on this drawing or cover page l st ng this draw ng ind cates acceptance of professional engineering responsib l ty solely for the design shown The su tab l ity and use of this design for any str the respons b l ty of the Building Des gner per ANSI/TPI 1 Sec 2 For more informat on see general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-13 53'2' Common)

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP #2-13B
Webs 2x4 SP #3-13B
Lt Slider 2x4 SP #3-13B BLOCK LENGTH = 4 588'

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

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

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

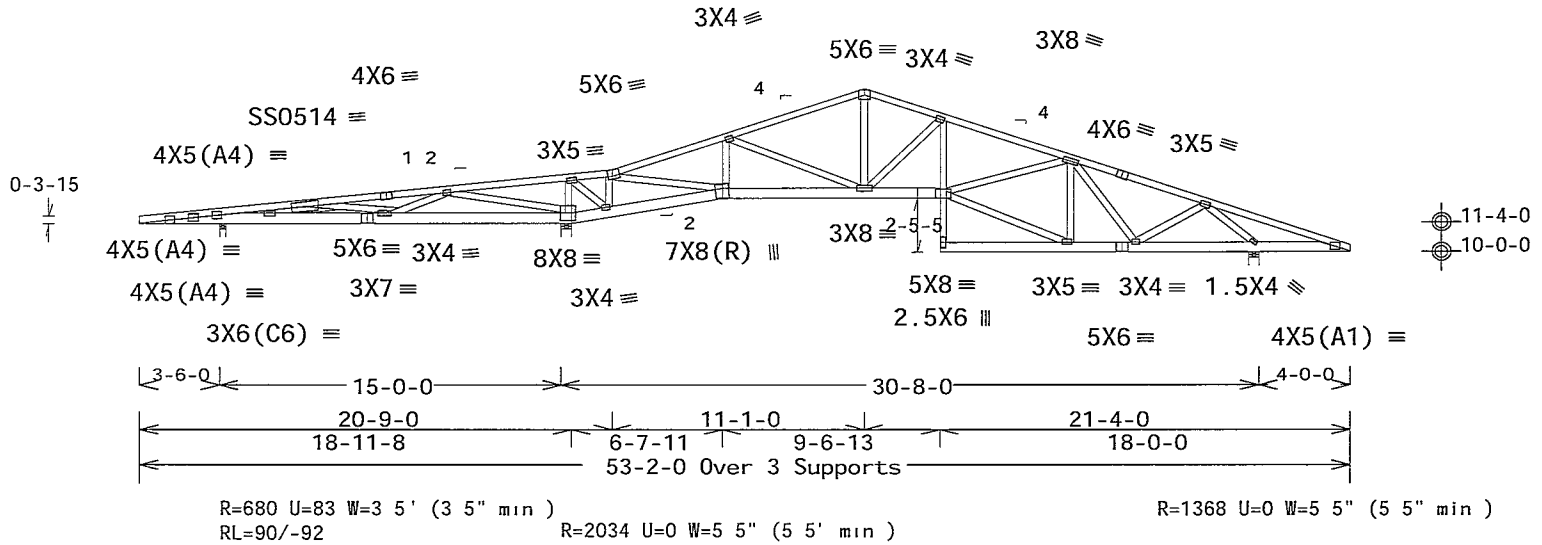
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Left and right cantilevers are exposed to wind

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

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



R=680 U=83 W=3 5' (3 5" min)
RL=90/-92

R=2034 U=0 W=5 5" (5 5' min)

R=1368 U=0 W=5 5" (5 5" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) 12.03.04.w0326.13 QTY 1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2716
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337107
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335191
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-14 53'2" Common)

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP #2-13B
Webs 2x4 SP #3-13B
Lt Slider 2x4 SP #3-13B BLOCK LENGTH = 4 588'

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

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

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

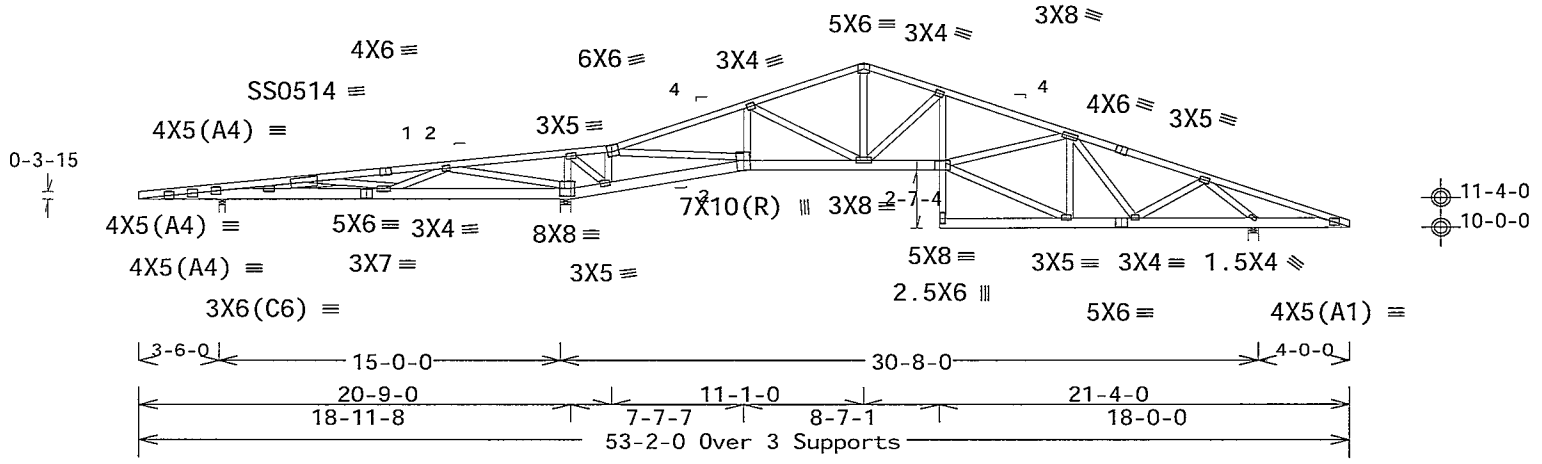
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Left and right cantilevers are exposed to wind

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

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



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

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

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

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) 12.03.04.0326 13 QTY:1 FL/-/5/-/-/R/- Scale = 125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

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

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-15 53 2' Common)

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP #2-13B
Webs 2x4 SP #3-13B
Lt Slider 2x4 SP #3-13B BLOCK LENGTH = 4 588

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

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

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

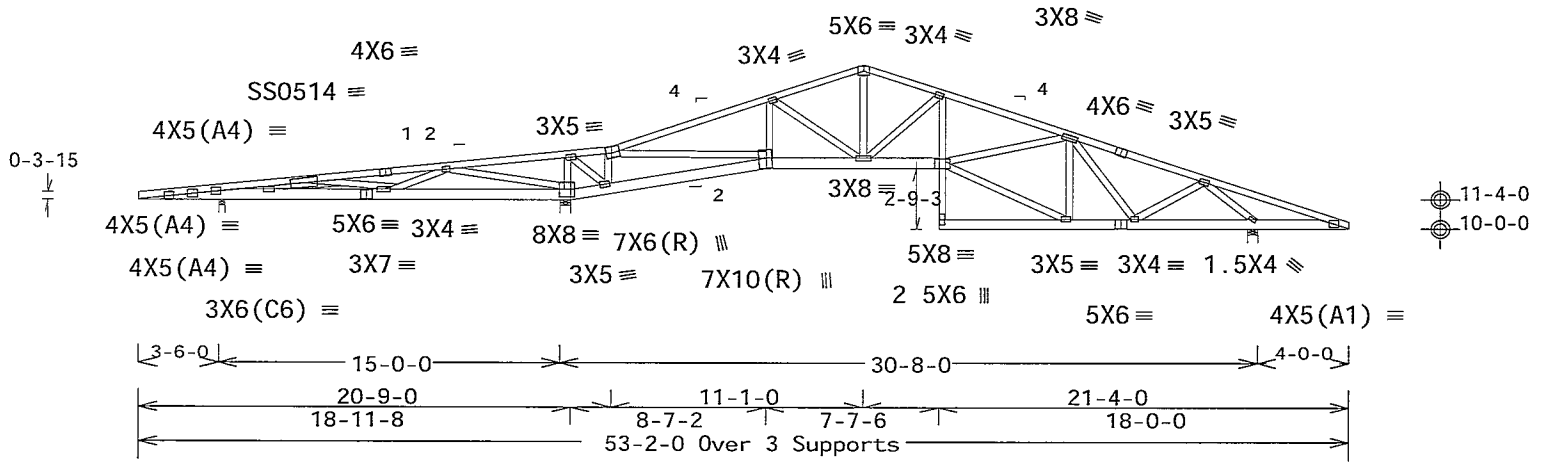
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Left and right cantilevers are exposed to wind

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

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



R=687 U=82 W=3 5" (3 5" min)
RL=91/-94

R=2021 U=0 W=5 5 (5 5 min)

R=1371 U=0 W=5 5" (5 5" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) 12 03 04 0326 13 QTY·1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2718
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337117
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37 0 PSF	SEQN-	335201
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-16 42'2"8 Common)

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

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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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

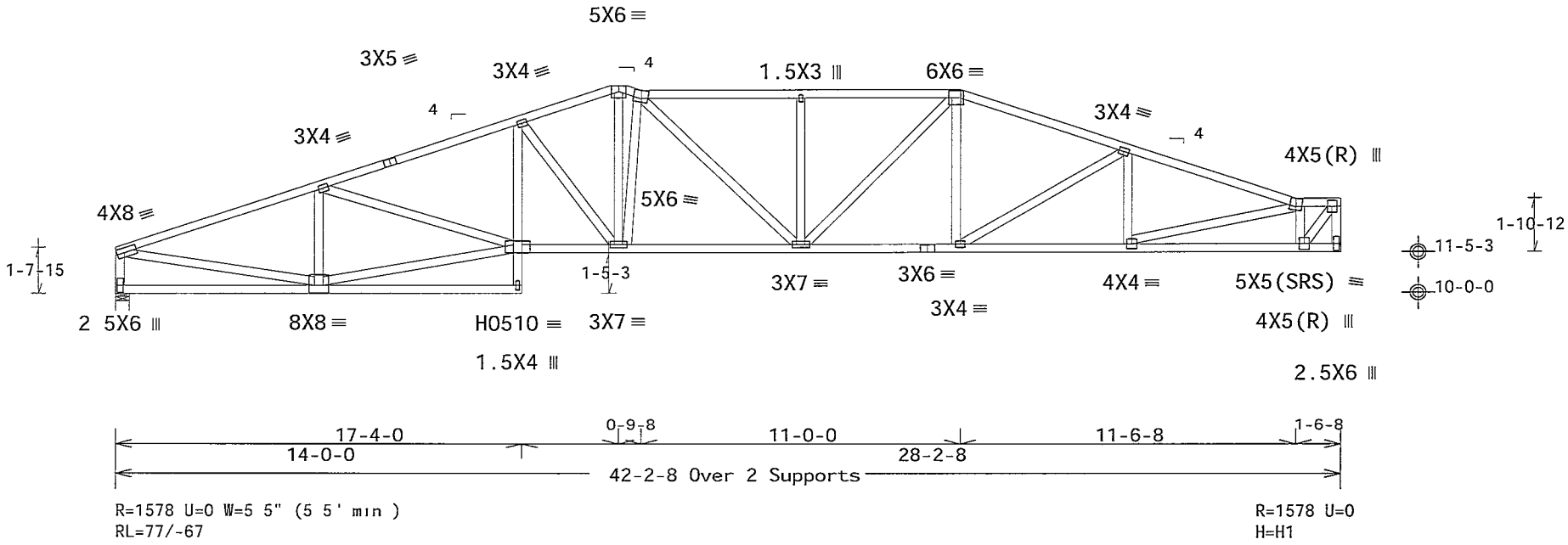
Wind loads and reactions based on MWFRS with additional C&C member design

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

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

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.1875"/Ft.

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

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

Trusses require extreme care in fabr cat ng handl ng shipping installing and bracing Re to follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) fo practices prior to performing these functions Installers shall provide temporary bracing p BWS Unless noted otherwise top chord shall have properly attached structural sheath ng and bott shall have a properly attached rigid ceiling Locations shown for permanent lateral restra t of webs shall have bracing installed per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev ation f m this des gn any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipping stallat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal of th drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of th s design for any s ructur s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2719
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337110
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335066
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-17 42'2"8 Common)

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

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

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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

Negative reaction(s) of -282# MAX (See below) from a non-wind load case requires uplift connection

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

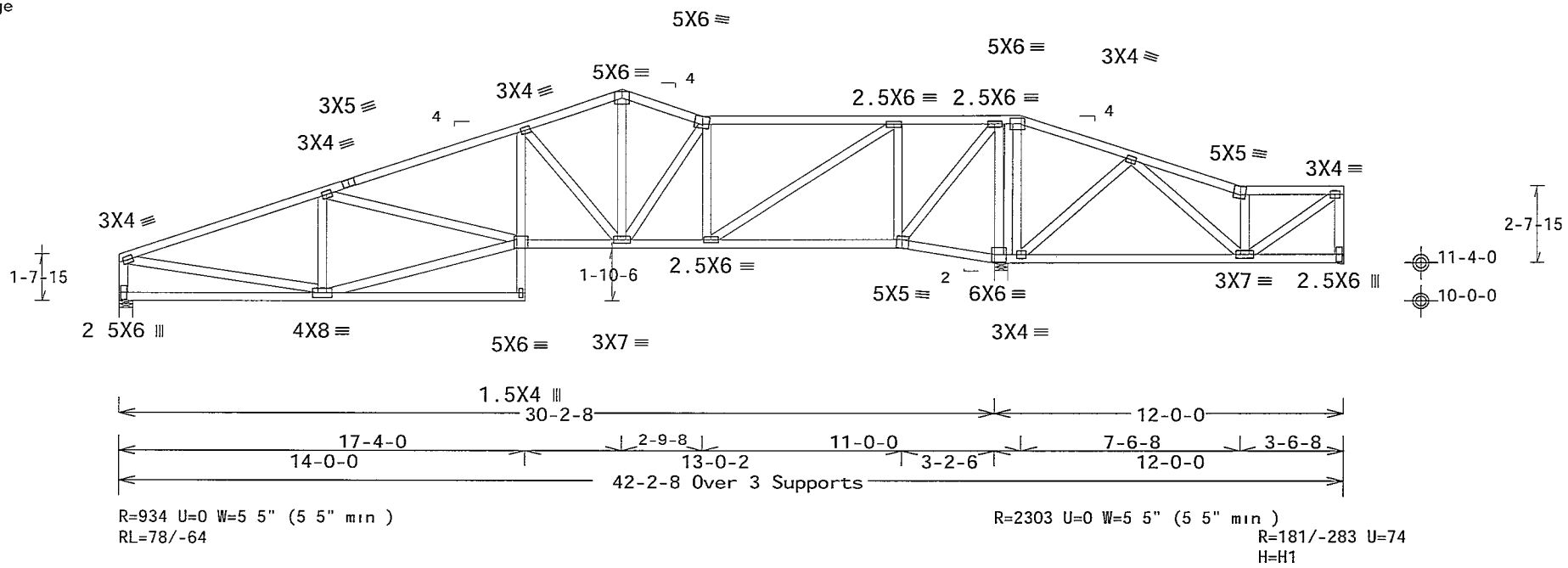
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

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

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

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



R=934 U=0 W=5 5" (5 5" min)
RL=78/-64

R=2303 U=0 W=5 5" (5 5" min)
R=181/-283 U=74
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12 03 [illegible]0626.13 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses requ re extreme care n fabr cat ng handl ng sh pping nstalling and bracing Refer follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for practices prior to perform ng these funct ons Installers shall provide temporary bracing per BCS Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restra nt of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW 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 handl ng shipping nstallation & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Data is unless noted otherw se Refer to drawings 160A-Z for standard plate positions A seal on this draw ng or cover page listing this drawing indicates acceptance of professional eng neering responsibility solely for the design shown The suitabil ty and use of th s design for any str the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2720
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337084
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335042
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-18 46'2"8 Common)

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

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

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

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

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

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

Negative reaction(s) of -269# MAX (See below) from a non-wind load case requires uplift connection

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

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

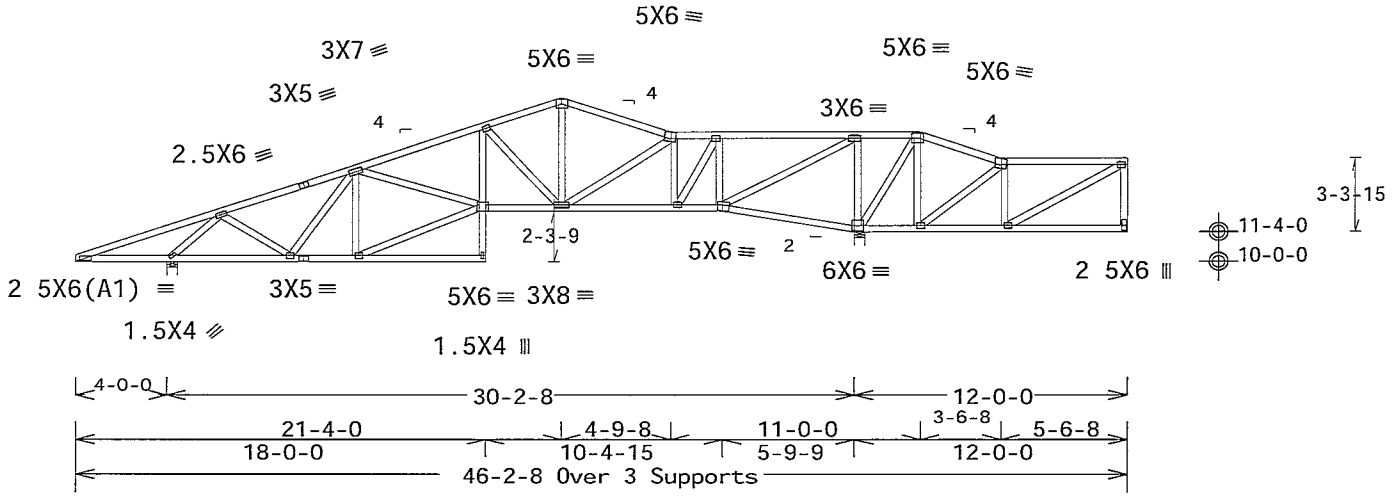
Right end vertical not exposed to wind pressure

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

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

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

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



R=1268 U=0 W=5 5" (5 5" min)
RL=92/-68

R=2276 U=0 W=5 5" (5 5" min)
R=191/-270 U=51
H=H1

Note All Plates Are 3X4 Except As Shown.

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03-04 0826 13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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

Trusses requ re extreme care in fabr cating handling shipping installing and bracing Refer to follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for 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 rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipp ng installation & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A signature and s 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 this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see THIS DESIGN general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2721
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337082
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335087
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-19 46'2"8 Common)

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

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

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

These support conditions used at bearings indicated
(H1) = LU24 w/ (2)2x6 SP M-26 supporting member
(4) 0 148'x3" nails into supporting member,
(2) 0 148"x1 5" nails into supported member

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

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

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

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

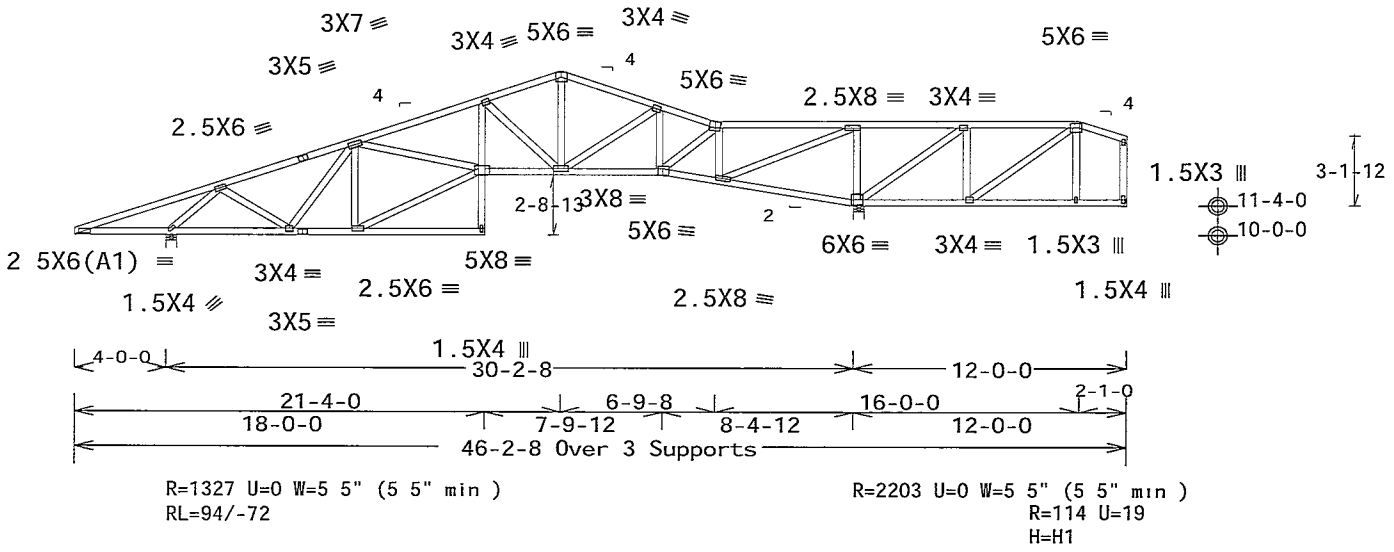
Right end vertical not exposed to wind pressure

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

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

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

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



R=1327 U=0 W=5 5" (5 5" min)
RL=94/-72

R=2203 U=0 W=5 5" (5 5" min)
R=114 U=19
H=H1

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04.0326.13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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

Trusses requ re extreme care in fabr cating handl ng shipping installing and brac ng Re to follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for practices prior to performing these funct ons Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

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WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2722
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337063
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335062
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-20 28'4"6 Common)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B
Lt Slider 2x4 SP #3-13B BLOCK LENGTH = 5 809'

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

Left cantilever is exposed to wind

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

Shim all supports to solid bearing

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

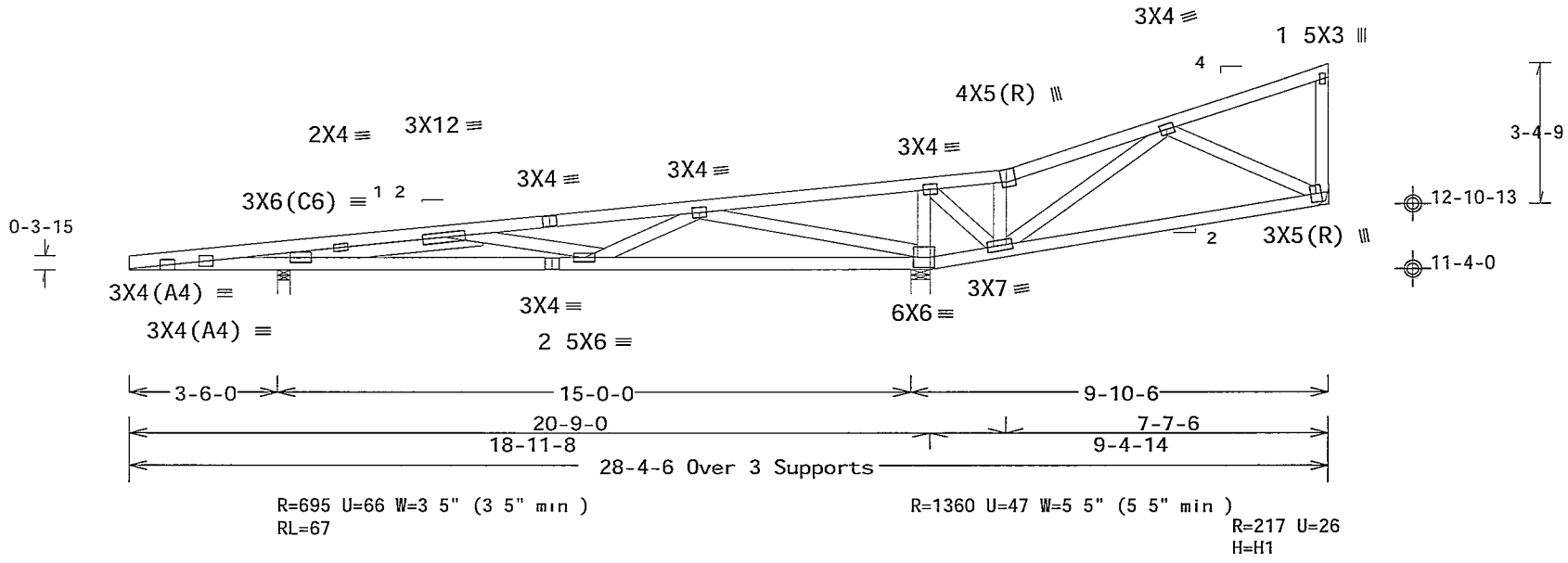
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

(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



Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04.0326.13 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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Trusses require extreme care in fabricating handling sh pping nstalling and bracing Re er to 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 Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ce ling Locat ons shown for permanent lateral restraint of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any deviat on from this design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling sh pping nstallation & 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 Unseal n this draw ng or cover page I sting th s draw ng ind cates acceptance of professional engineering respons bility solely for the des gn shown The su tab lity 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 general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2723
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337072
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	335026
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-21 24'10"6 Common)

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

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

(J) Hanger Support Required, by others

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

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

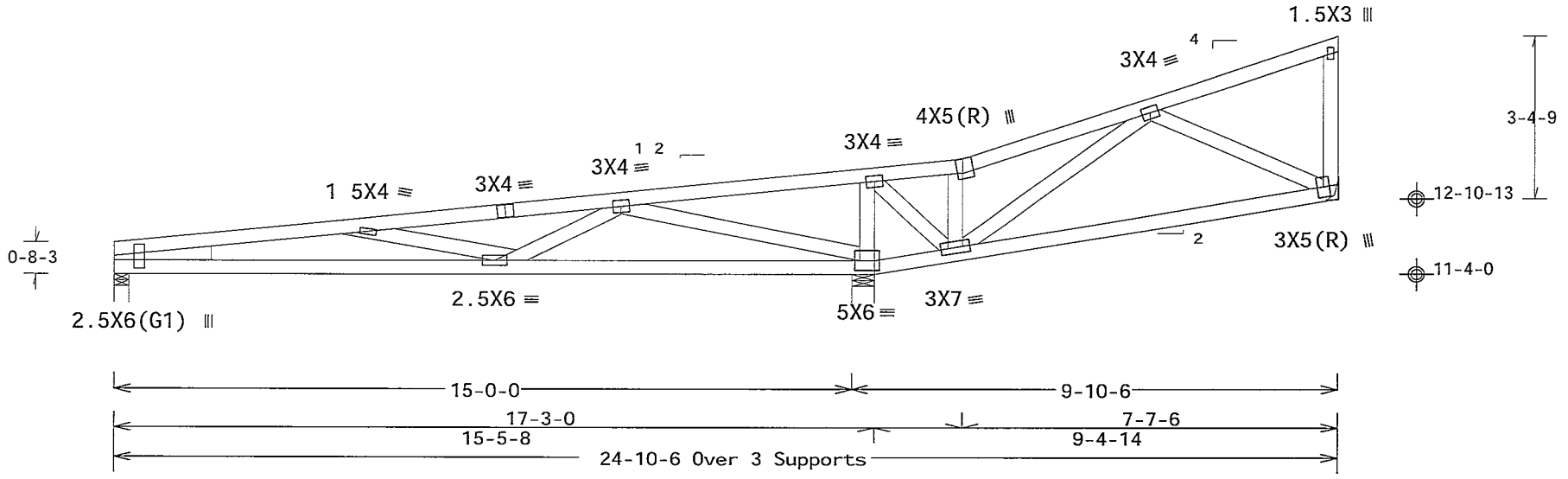
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Shim all supports to solid bearing



R=406 U=13 W=3 5" (3 5" min)
RL=61

R=1376 U=42 W=5 5" (5 5" min)

R=221 U=25
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.3125"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Trusses requ re extreme care in fabr cat ng handl ng shipping nstalling and bracing Re er to follow the latest edition of BCSI (Bu lding Component Safety Information by TPI and WTCA) for practices pr or to perform ng these funct ons Installers shall provide temporary bracing per Unless noted otherwise top chord shall have properly attached structural sheathing and bott shall have a properly attached rigid ce l ng Locations shown for permanent lateral restra nt of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation fr this des gn any failure to bu ld the truss in conformance with ANSI/TPI 1 or for hand l ng shipp ng nstall at on & brac ng of trusses Apply plates to each face of truss and position as shown above and on Jo nt Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this draw ng or cover page list ng this draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The suitability and use of th s design for any s the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2724
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337119
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335052
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-22 21'4"14 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

End verticals not exposed to wind pressure

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

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

120 mph wind, 15 23 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

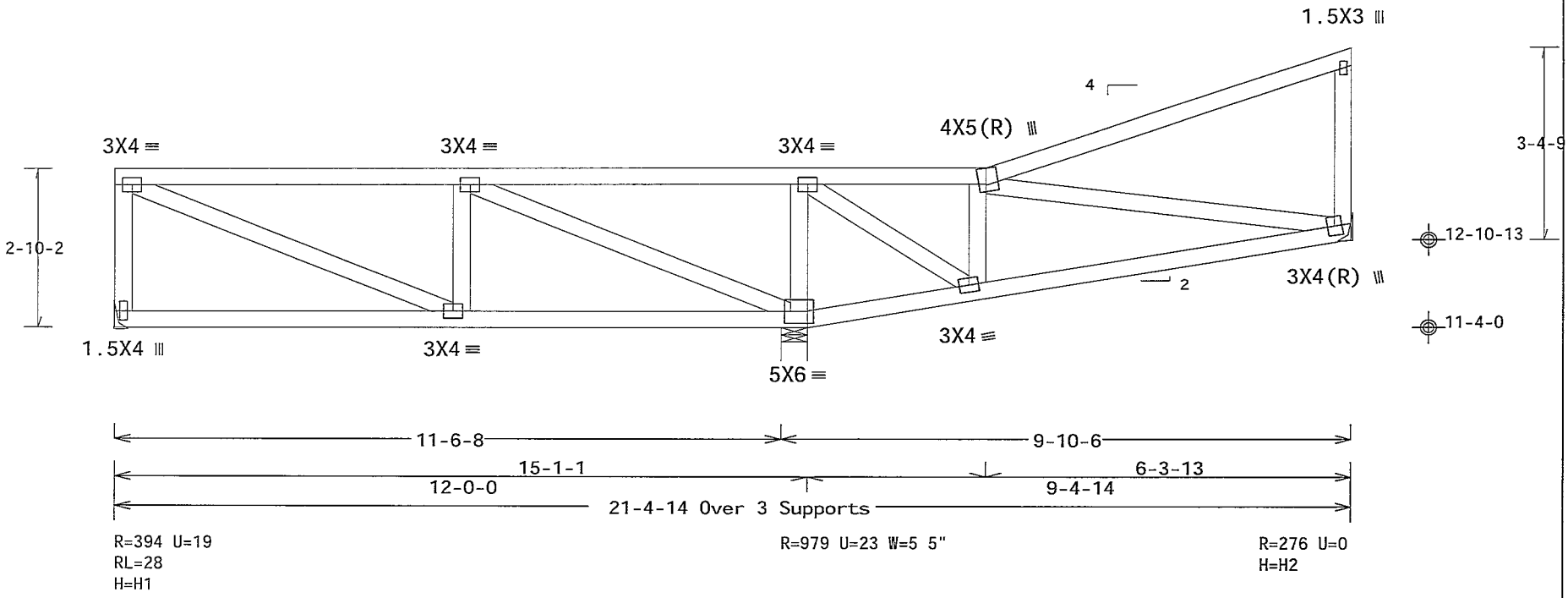
Wind loads and reactions based on MWFRS with additional C&C member design

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

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

Shim all supports to solid bearing

MWFRS loads based on trusses located at least 30 46 ft from roof edge



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.375"/Ft.

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

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Trusses require extreme care in fabricating handling sh pp ng install ng and brac ng Re ng follow the latest edition of BCSI (Building Component Safety Informat on by TPI and WTCA) for sa pract ces prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce ling Locat ons shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be responsible for any deviation fr m this design any fa lure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping nstall at on & bracing of trusses Apply plates to each face of truss and pos tion as shown above and on ce Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos tions A seal on this drawing or cover page listing th s drawing nd cates acceptance of professional engineering respons bil ty solely for the des gn shown The su tab lity and use of this design for any s the respons b lity of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2725
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337108
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	335019
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

End verticals not exposed to wind pressure

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

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

120 mph wind, 15 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

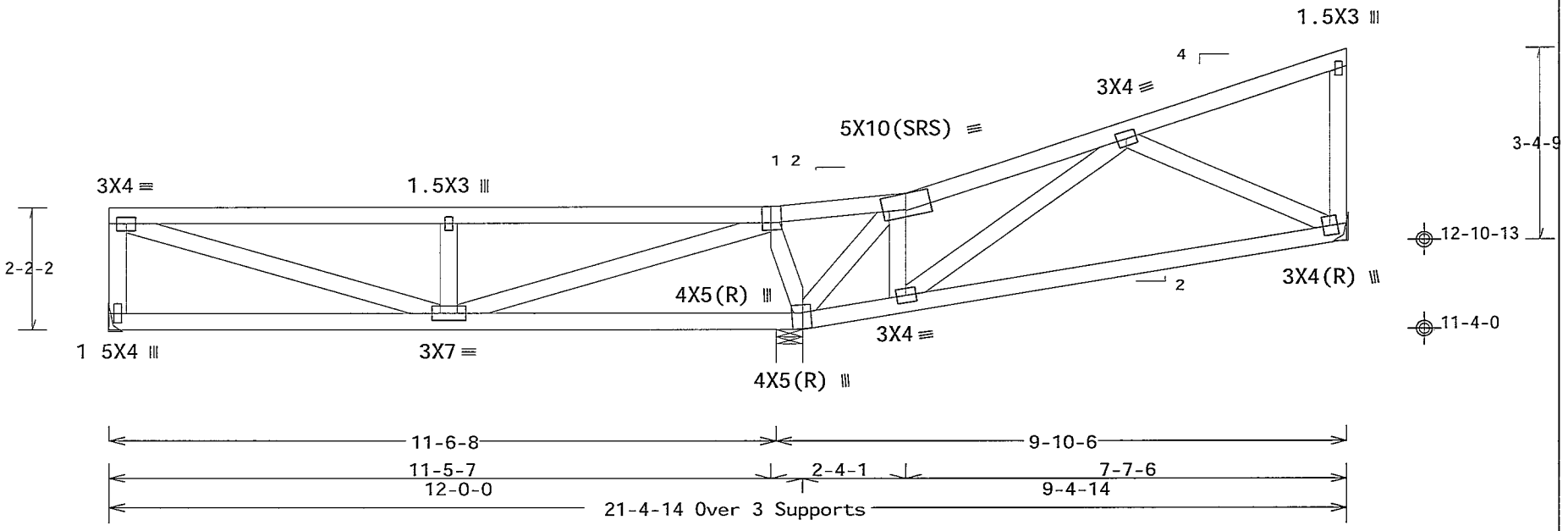
Wind loads and reactions based on MWFRS with additional C&C member design

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

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

Shim all supports to solid bearing

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) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.375"/Ft.

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

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

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

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be 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 sh pping nstallation & brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Data ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions Appeal on th drawing or cover page listing this drawing indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitability and use of th s design for any is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2726
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337111
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335072
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - T-24 24 10 6 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

(a) Continuous lateral restraint equally spaced on member

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

Shim all supports to solid bearing

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

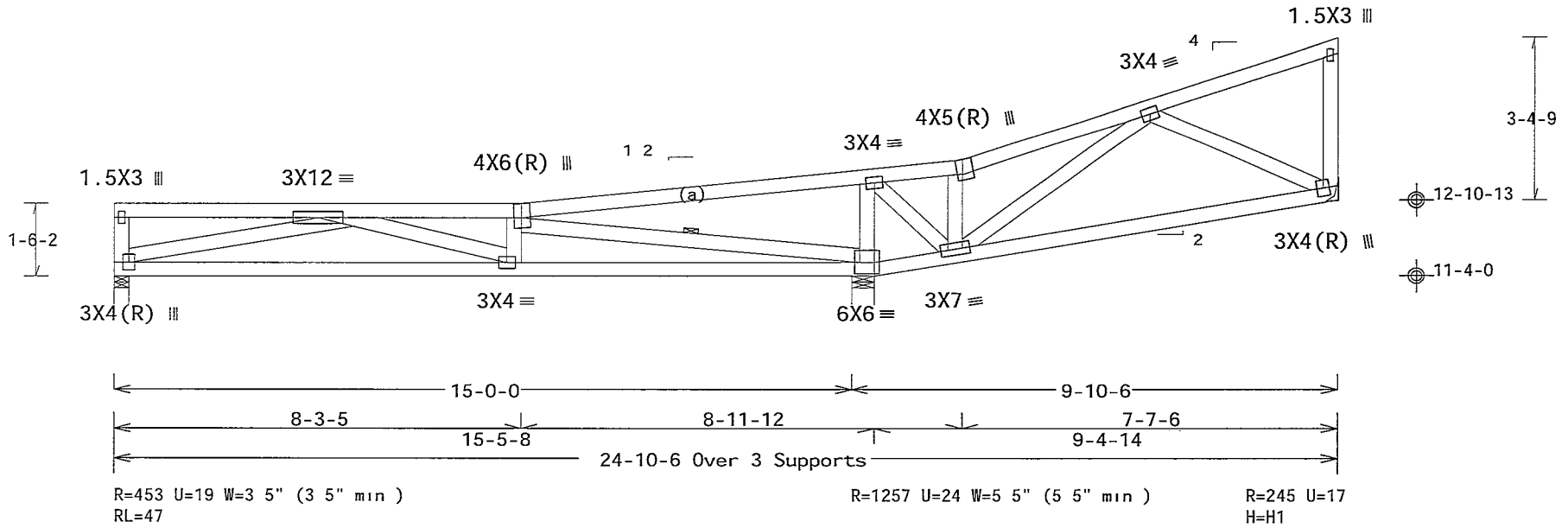
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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



R=453 U=19 W=3 5" (3 5" min)
RL=47

R=1257 U=24 W=5 5" (5 5" min)

R=245 U=17
H=H1

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12.03.04.0326.13 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft

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

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IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requ re extreme care in fabricating handling shipping install ng and brac ng Re fer 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 prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chords shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipping nstall at 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 otherwise Refer to drawings 160A-Z for standard plate posit ons Appl cat on of th drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of th s design for any particular is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2727
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337122
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335048
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City FL - T-25 24 10 6 Common)

Top chord 2x4 SP #1-13B T2 2x4 SP 2850f-2 3E
Bot chord 2x4 SP 2850f-2 3E B2 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

(a) Continuous lateral restraint equally spaced on member

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

Shim all supports to solid bearing

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

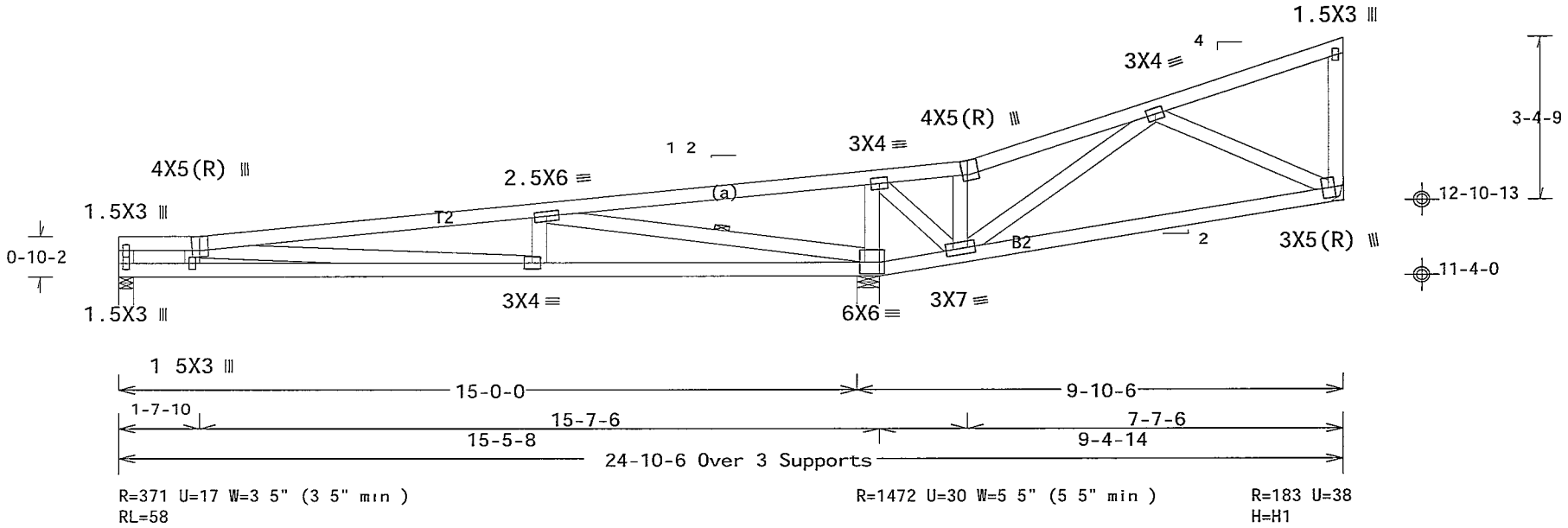
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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



R=371 U=17 W=3 5" (3 5" min)
RL=58

R=1472 U=30 W=5 5" (5 5" min)

R=183 U=38
H=H1

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.3125"/Ft.

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

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IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

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

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev ation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Joint Det a ls unless noted otherw se Refer to drawings 160A-Z for standard plate positions A seal on this drawing or cover page listing this drawing ind cates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibil ty of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2728
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337118
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335160
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

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

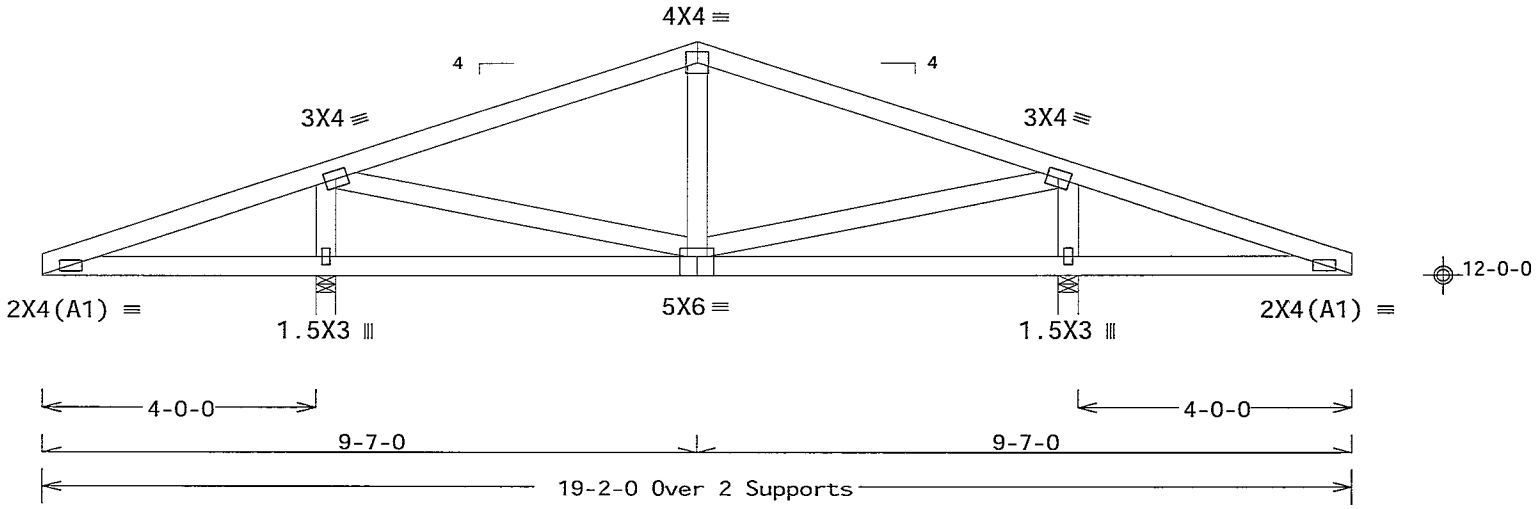
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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

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

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

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



R=748 U=13 W=3 5" (3 5" min)
RL=40/-40

R=748 U=13 W=3 5" (3 5" min)

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0226.13 | QTY:1 | FL/-/5/-/-/R/- | Scale =.375"/Ft.

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

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

Trusses require extreme care in fabricating handling sh pping install ng and bracing Re follow the latest edition of BCSI (Building Component Safety informat on by TPI and WTCA) for safety practices prior to performing these functions Installers shall prov de temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ce ling Locat ons shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to build the truss n conformance w th ANSI/TPI 1 or for handling sh pping installation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page listing th s drawing ndicates acceptance of professional engineering respons b lity solely for the design shown The suitabil ty and use of th s des gn for any str the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2729
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337128
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335465
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-27 11 2' 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

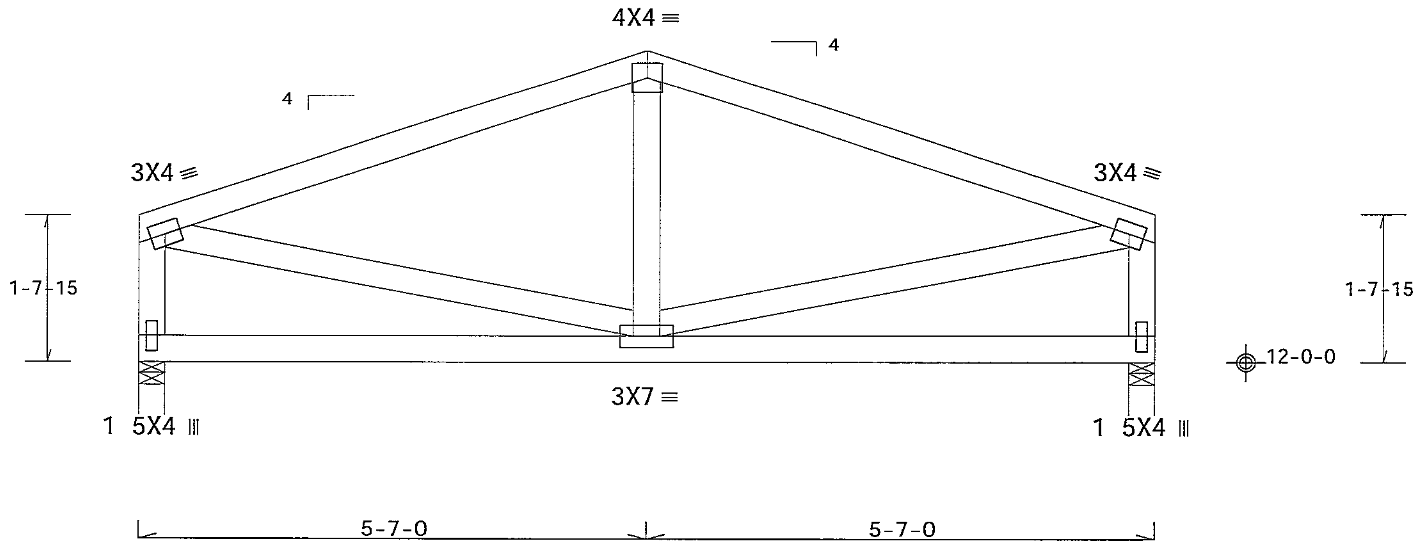
Bottom chord checked for 10 00 psf non-concurrent live load

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



R=417 U=16 W=3 5" (3 5' min)
RL=23/-23

R=417 U=16 W=3 5" (3 5" min)

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

PLT TYP. Wave

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

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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & 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 this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see this general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF R9114- 2730
TC DL	7.0 PSF	DATE 12/03/13
BC DL	10.0 PSF	DRW HCUSR9114 13337131
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 335460
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-28 32'8" Common)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B B2 2x4 SP 2850f-2 3E
Webs 2x4 SP #3-13B

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

Left and right cantilevers are exposed to wind

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

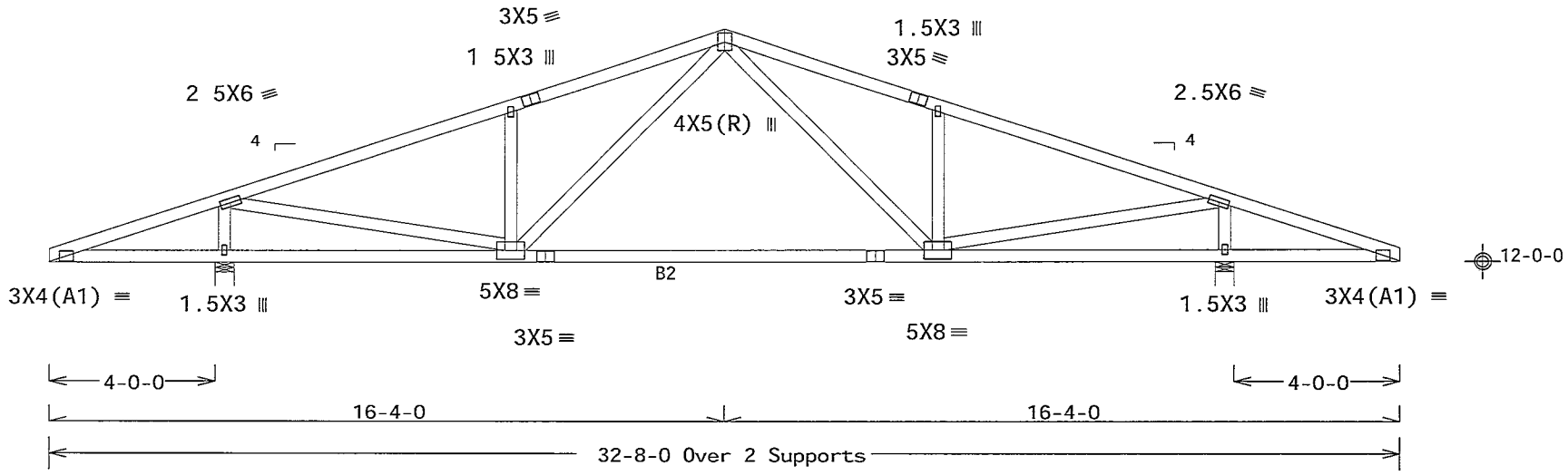
MWFRS loads based on trusses located at least 15 05 ft from roof edge

120 mph wind, 15 05 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=1294 U=0 W=5 5' (5 5" min)
RL=72/-72

R=1294 U=0 W=5 5" (5 5" min)

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:4 | 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 w th ANSI/TPI 1 or for handling shipping nstallation & brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate positions A seal on this draw ng or cover page l st ng this draw ng ind cates acceptance of professional eng neering responsibility solely for the design shown The suitab lity and use of this design for any structure is the responsibil ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more information see general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2731
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337137
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	335490
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - T-29 13' 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

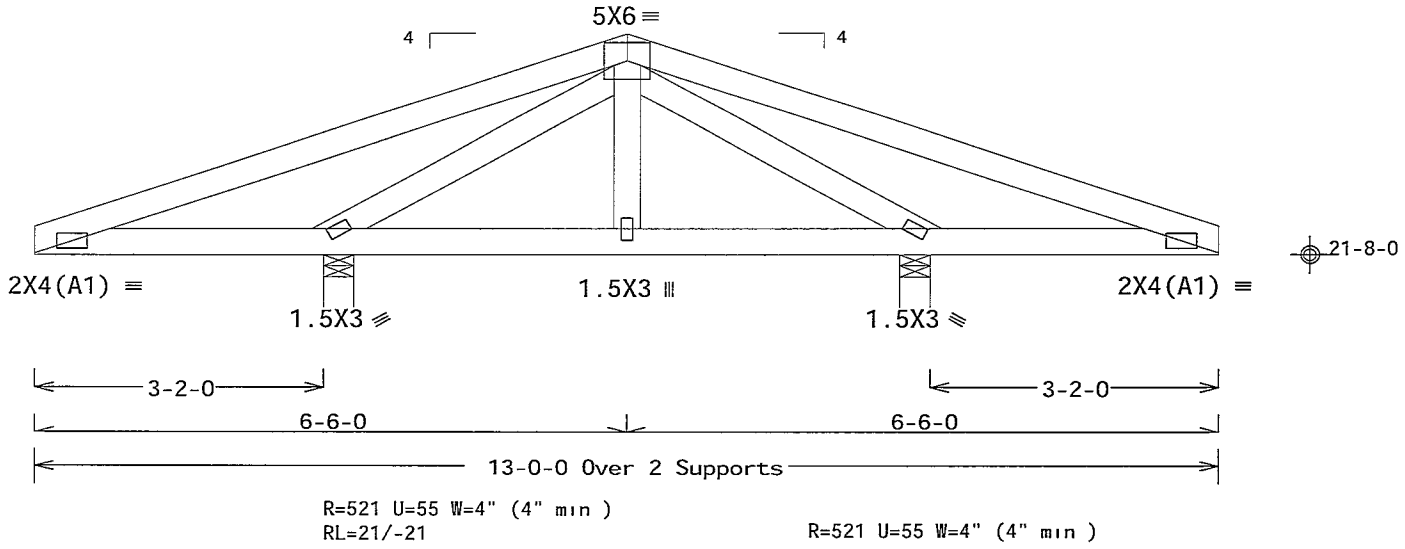
Left and right cantilevers are exposed to wind

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

120 mph wind, 23 08 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

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



R=521 U=55 W=4" (4" min)
RL=21/-21

R=521 U=55 W=4" (4" min)

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 12.03.04.0326.13 QTY:5 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

Trusses require extreme care n fabricating handling sh pp ng nstalling and bracing Re er to follow the latest edit on of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices pr or to perform ng these funct ons Installers shall provide temporary bracing per Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any deviat on from this design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handling sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Joist Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions A seal on this drawing or cover page l sting th s drawing nd cates acceptance of profess onal engineering respons b l ty solely for the des gn shown The su tab l ty and use of this design for any s the respons b l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more information see general notes page ITW BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2732
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337139
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	335509
DUR.FAC.	1 25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - TG-1 49 4"8 Common Girder)

Top chord 2x4 SP #1-13B T2 T5, T6 2x4 SP 2850f-2 3E
Bot chord 2x6 SP SS-13B B3 2x6 SP #2-13B
B4 2x6 SP #1 Dense-13B
Webs 2x4 SP #3-13B W3, W28, W33 2x4 SP #2-13B
W5 W14 2x4 SP #1-13B W7 W15 W27 2x4 SP 2850f-2 3E
Lt Slider 2x4 SP #3-13B BLOCK LENGTH = 5 809

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

SPECIAL LOADS
------(LUMBER DUR FAC =1 25 / PLATE DUR FAC =1 25)
TC - From 54 PLF at 0 00 to 54 PLF at 20 75
TC - From 27 PLF at 20 75 to 27 PLF at 30 46
TC - From 27 PLF at 30 46 to 27 PLF at 33 21
TC - From 27 PLF at 33 21 to 27 PLF at 42 58
TC - From 54 PLF at 42 58 to 54 PLF at 49 38
BC - From 10 PLF at 0 00 to 10 PLF at 40 56
BC - From 20 PLF at 40 56 to 20 PLF at 49 38
TC - 263 LB Conc Load at 42 23
TC - 270 LB Conc Load at 44 23
TC - 396 LB Conc Load at 46 23
TC - 667 LB Conc Load at 48 10
BC - 43 LB Conc Load at 0 59
BC - 117 LB Conc Load at 2 59
BC - 192 LB Conc Load at 4 59
BC - 316 LB Conc Load at 6 56
BC - 421 LB Conc Load at 8 56 10 56 12 56 14 56 16 56
BC - 400 LB Conc Load at 20 56
BC - 400 LB Conc Load at 22 56
BC - 400 LB Conc Load at 24 56 26 56 28 56 30 56 32 56
BC - 400 LB Conc Load at 34 56
BC - 462 LB Conc Load at 36 56
BC - 466 LB Conc Load at 38 56
BC - 480 LB Conc Load at 40 56
BC - 469 LB Conc Load at 42 23
BC - 437 LB Conc Load at 44 23
BC - 626 LB Conc Load at 46 23
BC - 163 LB Conc Load at 48 10

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131 x3", min nails
Top Chord 1 Row @12 00 o c
Bot Chord 1 Row @ 8 25 o c
Webs 1 Row @ 4 o c
Use equal spacing between rows and stagger nails in each row to avoid splitting
4 o c spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4

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

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

Wind loads and reactions based on MWFRS

Right end vertical not exposed to wind pressure

Left cantilever is exposed to wind

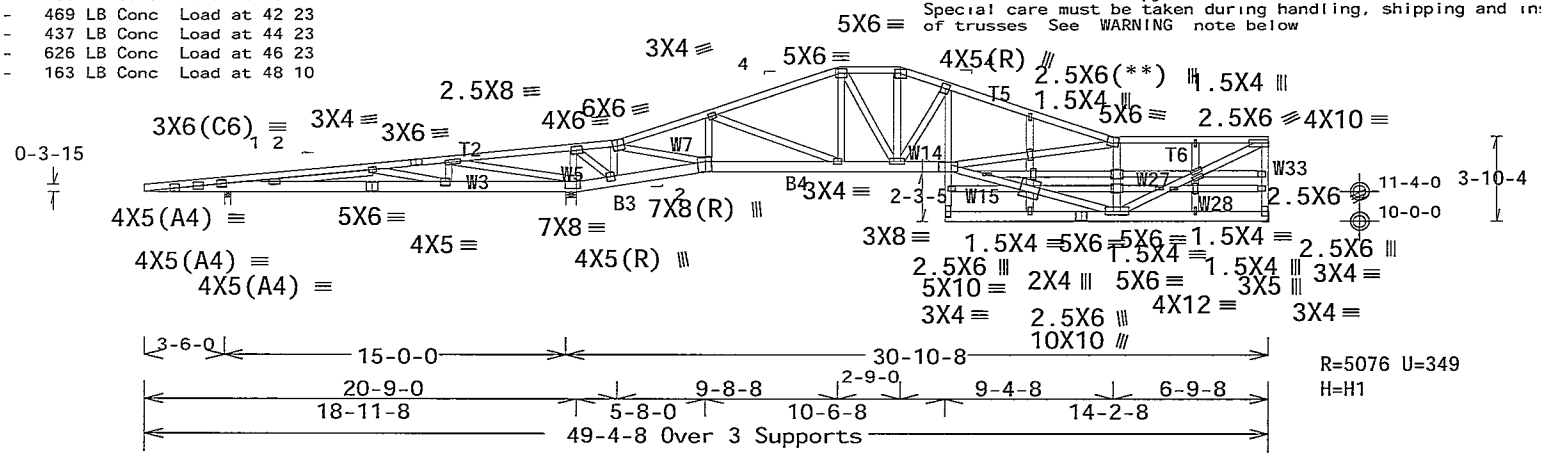
(J) Hanger Support Required by others

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 12 03 04 0326 13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

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

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

Trusses require extreme care in fabricat ng handl ng shipping installing and brac ng Refer to follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for practices pr or to perform ng these funct ons Installers shall provide temporary brac ng per Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this des gn any failure to build the truss in conformance with ANSI/TPI 1 or for handl ng sh pp ng nstallat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on e Jo nt Data is unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on th s draw ng or cover page listing this draw ng indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitabil ty and use of th s des gn for any s ructure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more nformation see general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2733
TC DL	7.0 PSF	DATE	12/03/13
BC DL	10.0 PSF	DRW	HCUSR9114 13337109
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	335314
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - TG-3 46'2"8 Common Girder)

Top chord 2x4 SP 2850f-2 3E T5 2x4 SP #1-13B
Bot chord 2x4 SP 2850f-2 3E B2, B5 2x4 SP #1-13B
Webs 2x4 SP #3-13B W6 2x4 SP 2850f-2 3E
W7, W8, W10 2x4 SP #1-13B W12, W16, W19, W21 2x4 SP #2-13B

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 55 plf at 0 00 to 55 plf at 17 83
TC- From 205 plf at 17 83 to 205 plf at 21 33
TC- From 205 plf at 21 33 to 205 plf at 24 83
TC- From 55 plf at 24 83 to 55 plf at 28 99
TC- From 55 plf at 28 99 to 55 plf at 44 99
TC- From 55 plf at 44 99 to 55 plf at 46 21
BC- From 20 plf at 0 00 to 20 plf at 18 00
BC- From 20 plf at 18 00 to 20 plf at 24 68
BC- From 20 plf at 24 68 to 20 plf at 34 21
BC- From 20 plf at 34 21 to 20 plf at 46 21
BC- 2112 25 lb Conc Load at 17 94
BC- 2303 48 lb Conc Load at 24 74

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

3 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131"x3", min nails
Top Chord 1 Row @11 75" o c
Bot Chord 1 Row @12 00" o c
Webs 1 Row @ 4" o c
Repeat nailing as each layer is applied Use equal spacing between rows and stagger nails in each row to avoid splitting

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

Wind loads and reactions based on MWFRS

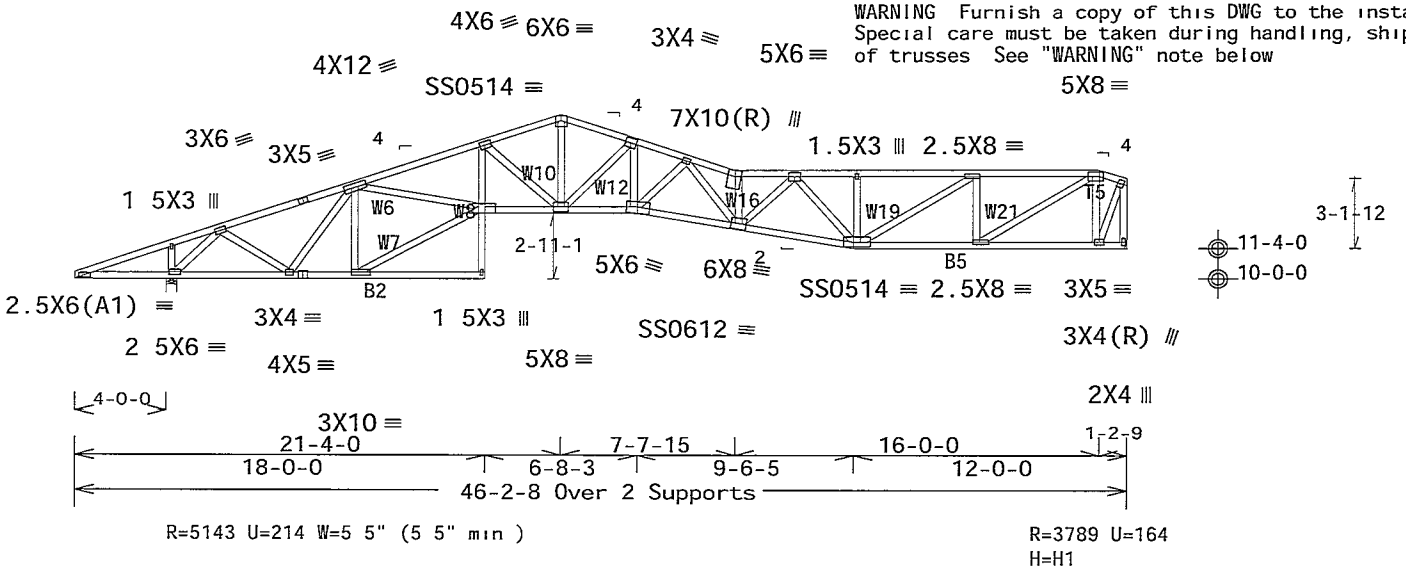
Right end vertical not exposed to wind pressure

Left cantilever is exposed to wind

Calculated horizontal deflection is 0 22" due to live load and 0 30" due to dead load

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

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



Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) 12 03 04 0326 13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #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 nstalling and bracing Re fer to and follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety practices prior to perform ng these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rig d ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any dev at on from th des gn any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng nstall at on & brac ng of trusses Apply plates to each face of truss and posit on as shown above and on the Joint Data is unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page listing this drawing indicates acceptance of profess onal eng neer ng responsibility solely for the design shown The suitabil ty and use of th s design for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2734
TC DL	7.0 PSF	DATE	12/04/13
BC DL	10.0 PSF	DRW	HCUSR9114 13338003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335768
DUR FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - HG4A 13'8 Stepdown Hip Girder)

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP M-26
Webs 2x4 SP #3-13B W8 2x4 SP #2-13B

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 27 plf at 0 00 to 27 plf at 4 33
TC- From 27 plf at 4 33 to 27 plf at 9 33
TC- From 27 plf at 9 33 to 27 plf at 13 67
BC- From 10 plf at 0 00 to 10 plf at 13 67
BC- 1577 69 lb Conc Load at 1 06
BC- 181 25 lb Conc Load at 3 06
BC- 190 71 lb Conc Load at 5 06
BC- 114 49 lb Conc Load at 7 06
BC- 3788 96 lb Conc Load at 7 93
BC- 394 13 lb Conc Load at 10 06
BC- 387 67 lb Conc Load at 12 06

2 COMPLETE TRUSSES REQUIRED

Nail Schedule·0 131"x3", min nails
Top Chord 1 Row @12 00" o c
Bot Chord 1 Row @ 3 25" o c
Webs 1 Row @ 4" o c
Use equal spacing between rows and stagger nails in each row to avoid splitting

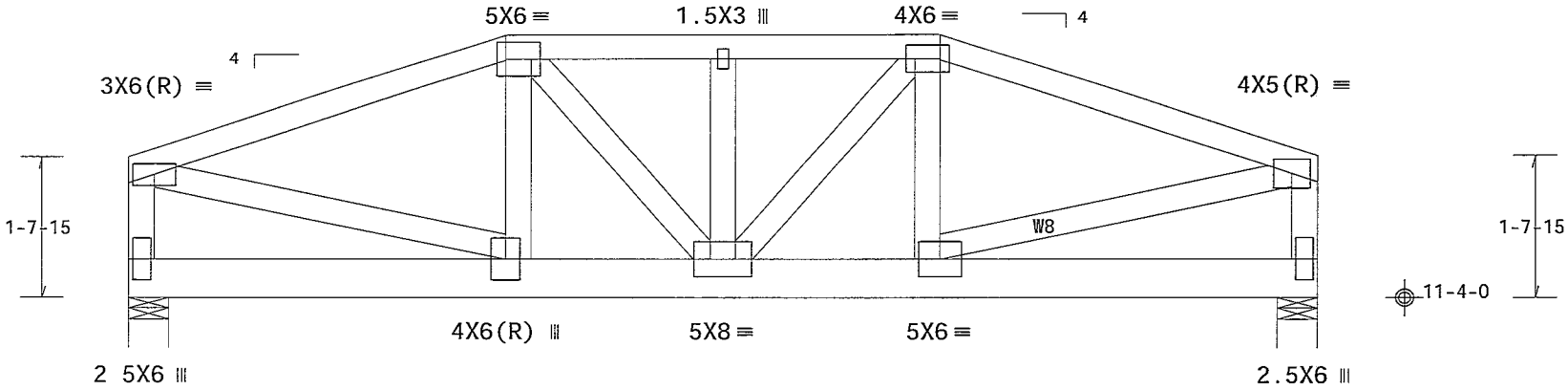
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

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

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) 12.03.04.0326.13 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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Trusses require extreme care n fabr cating handl ng sh pp ng nstall ng and bracing Re to ng follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices pr or to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ce l ng Locations shown for permanent lateral restra nt of webs shall have bracing installed per BCSI sect ons B3 B7 or B10 as applicable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s des gn any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng nstall at on & 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 otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page list ng this drawing ind cates acceptance of professional eng neer ng responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbc ndustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20 0 PSF	REF	R9114- 2735
TC DL	7.0 PSF	DATE	12/04/13
BC DL	10.0 PSF	DRW	HCUSR9114 13338004
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	335774
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - TG-2 53'2" Common Girder)

Top chord 2x4 SP #1-13B
Bot chord 2x6 SP #2-13B B4 2x6 SP #1 Dense-13B
Webs 2x4 SP #3-13B W5, W13, W14, W15 2x4 SP #2-13B
Lt Slider 2x4 SP #3-13B· BLOCK LENGTH = 4 588'

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 54 plf at 0 00 to 54 plf at 20 75
TC- From 55 plf at 20 75 to 55 plf at 28 33
TC- From 205 plf at 28 33 to 205 plf at 31 83
TC- From 205 plf at 31 83 to 205 plf at 35 33
TC- From 55 plf at 35 33 to 55 plf at 53 17
BC- From 20 plf at 0 00 to 20 plf at 18 96
BC- From 20 plf at 18 96 to 20 plf at 28 48
BC- From 20 plf at 28 48 to 20 plf at 35 17
BC- From 20 plf at 35 17 to 20 plf at 53 17
BC- 2225 05 lb Conc Load at 28 43
BC- 2085 67 lb Conc Load at 35 23

Calculated horizontal deflection is 0 14" due to live load and 0 20" due to dead load

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131'x3", min nails
Top Chord 1 Row @12 00" o c
Bot Chord 1 Row @12 00" o c
Webs 1 Row @ 4" o c
Use equal spacing between rows and stagger nails in each row to avoid splitting
4" o c spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"

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

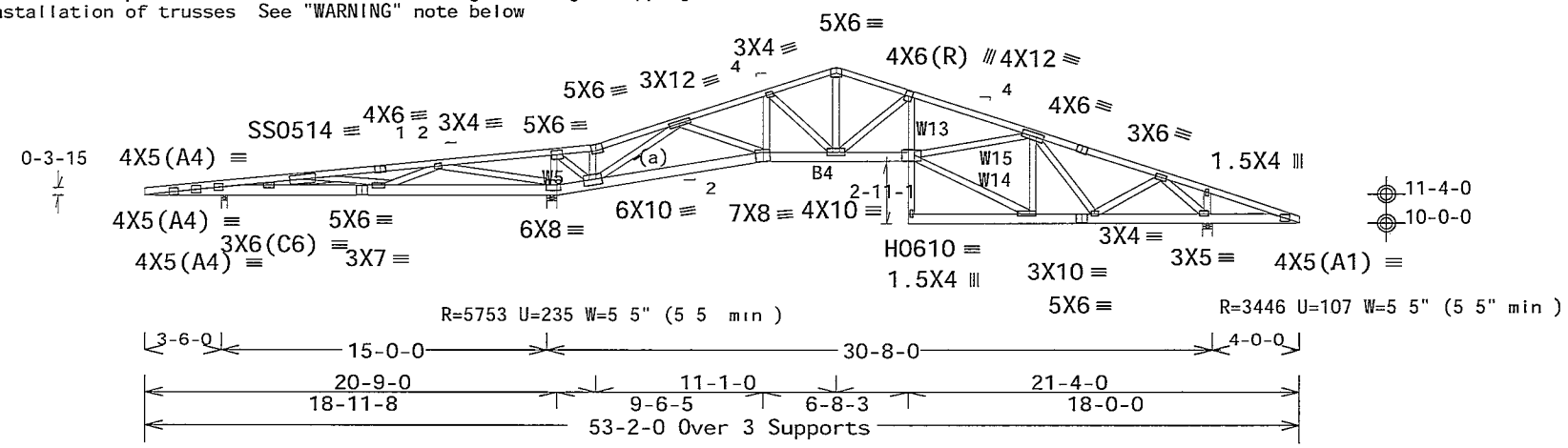
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

Left and right cantilevers are exposed to wind

(a) Continuous lateral restraint equally spaced on member

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



PLT TYP 20 Gauge HS,18 Gauge HS, Wave Design Crit FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 12.03.04.0326.13 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft

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

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

ITW Building Components Group Inc (ITWBCG) shall not be respons ble 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 nstallation & bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on this drawing or cover page l sting this 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 structur is the respons bility of the Building Des gner per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2736
TC DL	7.0 PSF	DATE	12/04/13
BC DL	10.0 PSF	DRW	HCUSR9114 13338006
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335771
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

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

(13-285--Fill in later /Anita and Jerry West Resi -- Lake City, FL - FTG2 15 4"1 Flat 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, 16 29 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Truss must be installed as shown with top chord up

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

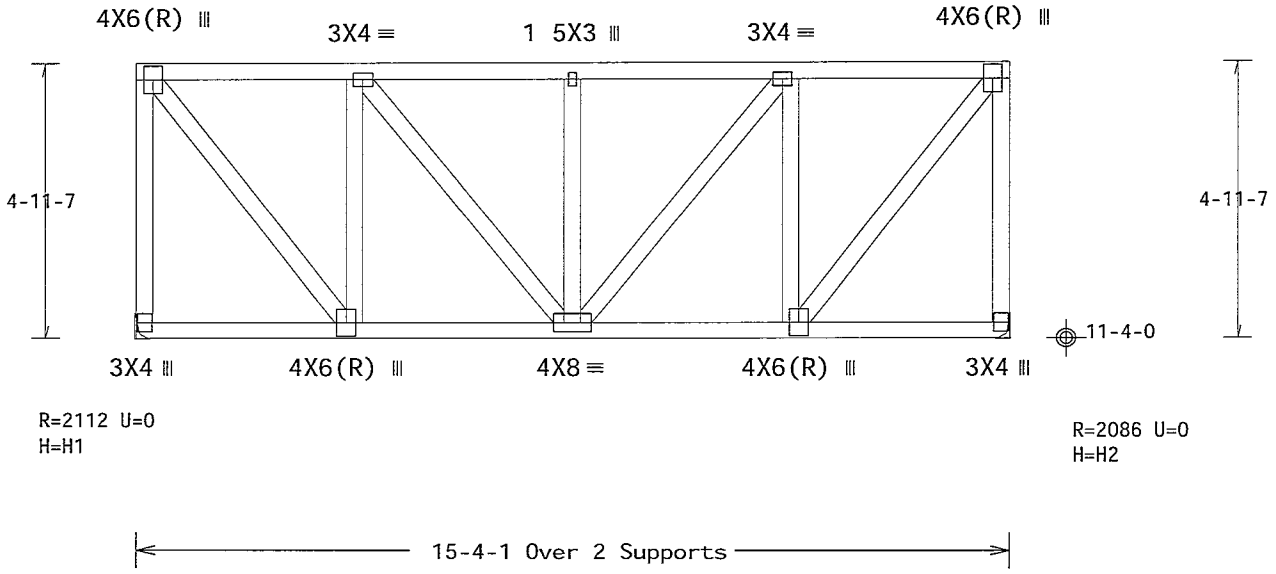
Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 27 plf at 0 00 to 27 plf at 15 34
BC- From 10 plf at 0 00 to 10 plf at 15 34
BC- 518 63 lb Conc Load at 2 06, 4 06, 6 06, 7 28 9 28,11 28,13 28

Wind loads and reactions based on MWFRS

End verticals not exposed to wind pressure

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=10%(0%)/0(0) | 12.03.04.0326.13 | QTY:1 | FL/-/5/-/-/R/- | Scale = 3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #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 fa lure to build the truss n conformance w th ANSI/TPI 1 or for handling shipping nstallation & bracing of trusses Apply plates to each face of truss and pos t on as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate positions Approval of this drawing or cover page listing th s drawing nd cates acceptance of professional engineering responsibility solely for the des gn shown The suitability and use of this design for any structure is the responsibility of the Building Des gner per ANSI/TPI 1 Sec 2 For more information see general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/04/2013

TC LL	20.0 PSF	REF	R9114- 2737
TC DL	7.0 PSF	DATE	12/04/13
BC DL	10 0 PSF	DRW	HCUSR9114 13338005
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	335765
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1V1V487_Z03

CLR Reinforcing Member Substitution

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

Notes

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

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

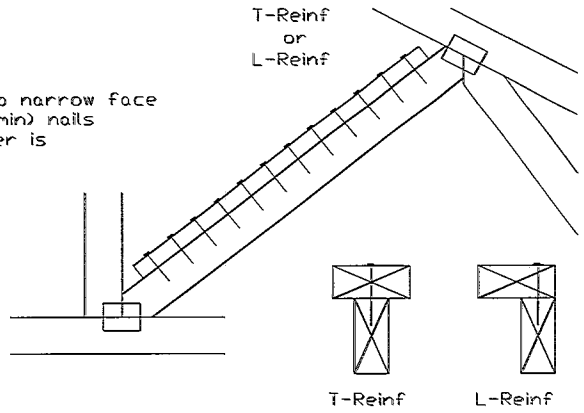
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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

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

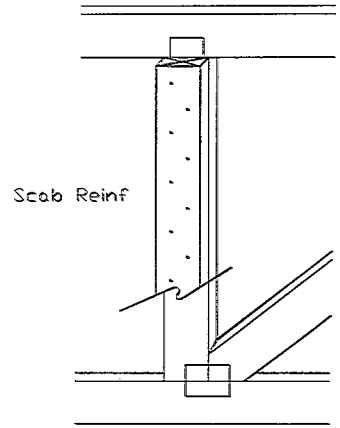
T-Reinforcement or L-Reinforcement

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.



Building Components Group Inc.

Earth City MO 63045

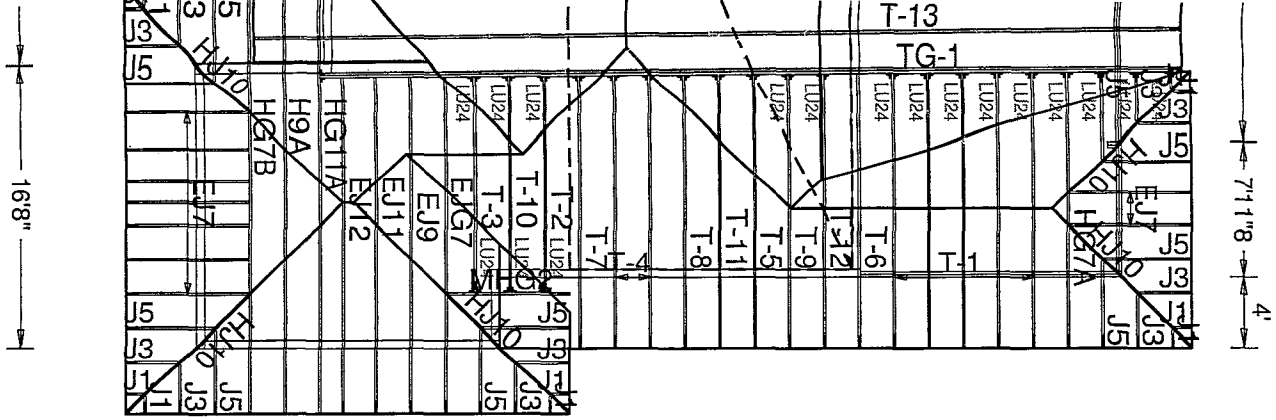
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.
Refer to drawings 160A-Z for standard plate positions.
ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites:
ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

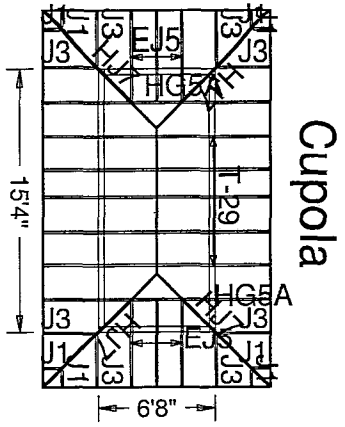
WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER

Dec 04, 13

12/04/2013

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			





PAGE NO: 1 OF 1	JOB NO: 13-285	Customer: Fill in later Job Name: Anita and Jerry West Resi : Job Numb: 13-285 Designer: ColeMan Burlingame Salesman: Curt V Burlingame	: Created : 12-04-2013 : <Not Found>	ANDERSON TRUSS COMPANY "QUALITY PRE-ENGINEERED WOOD TRUSSES"