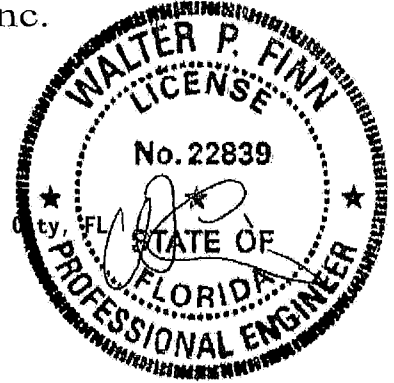


# ITW Building Components Group, Inc.

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

Truss Fabricator **Anderson Truss Company**  
Job Identification **14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL**  
Truss Count **49**  
Model Code **Florida Building Code 2010**  
Truss Criteria **FBC2010Res/TPI-2007(STD)**  
Engineering Software **Alpine Software, Version 12.03.**  
Structural Engineer of Record **The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC**  
Address **Roof - 37.0 PSF @ 1.25 Duration**  
Minimum Design Loads **Floor - N/A**  
**Wind - 120 MPH ASCE 7-10 -Closed**



04/02/2014

## Notes

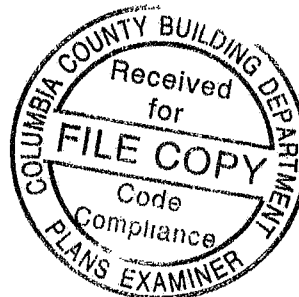
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Walter P. Finn  
-Truss Design Engineer-

1950 Marley Drive  
Haines City, FL 33844

## Details: BRCLBSUB-DEFLCAMB-

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



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

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

Left cantilever is exposed to wind

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

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

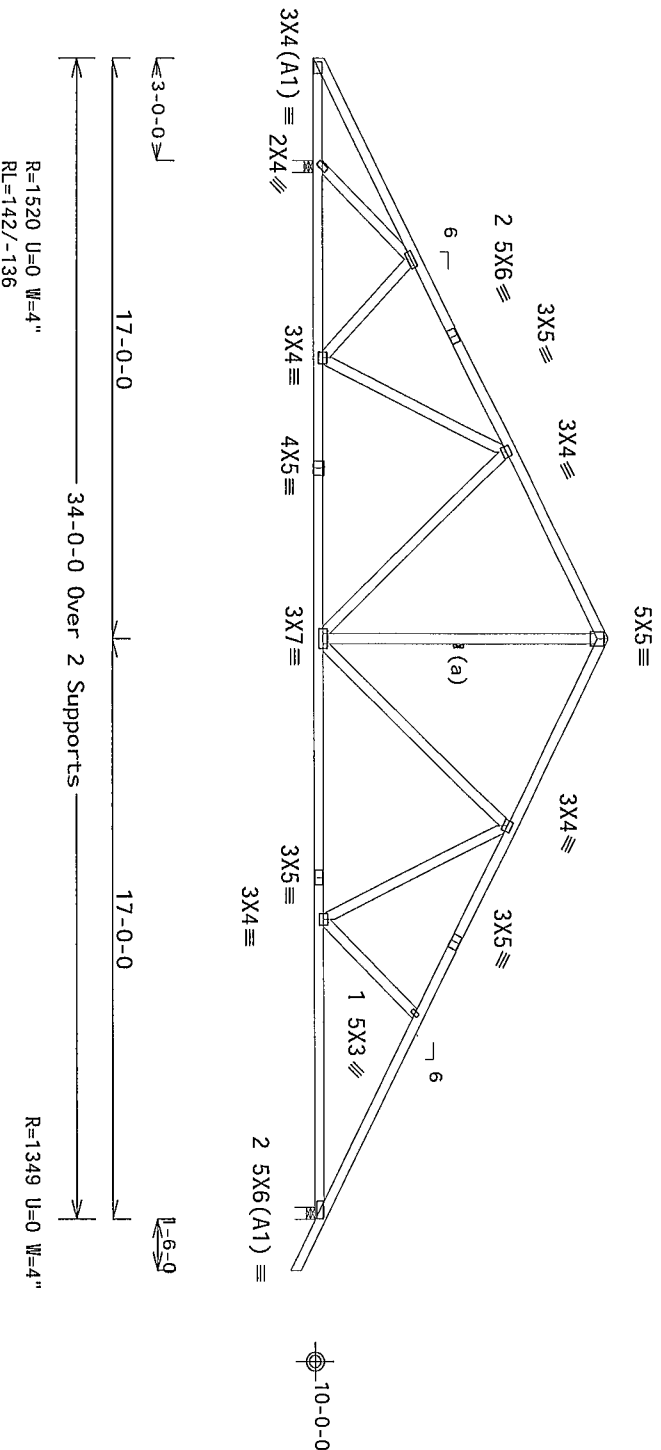
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,  
wind BC DL=5 0 psf GCPI(+/-)=0 18

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

(a) Continuous lateral restraint equally spaced on member

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

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



PLT TYP. Wave

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

12.03.04.09a6.14

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

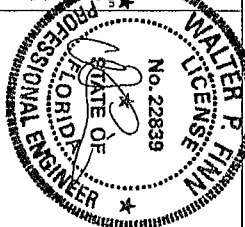
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ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0 278

**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating handling shipping and bracing. Refer to any  
follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTC for safety  
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI  
the truss manufacturer's instructions. Trusses shall be braced in accordance with the manufacturer's  
shall have bracing installed per BCSI sections 83 B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design  
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.  
decals, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the  
drawing shall be used to indicate the location of the seal. The seal shall be placed on the drawing  
the response bill 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.tpiinc.org WTC www.bdc-industry.com  
ICC www.icccare.org



TC LL	20.0 PSF	REF R9114- 82359
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HCUR9114 14092021
BC LL	0.0 PSF	HC-ENG KD/WPF
TOT. LD.	37.0 PSF	SEQN- 29731
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_202

04/02/2014

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

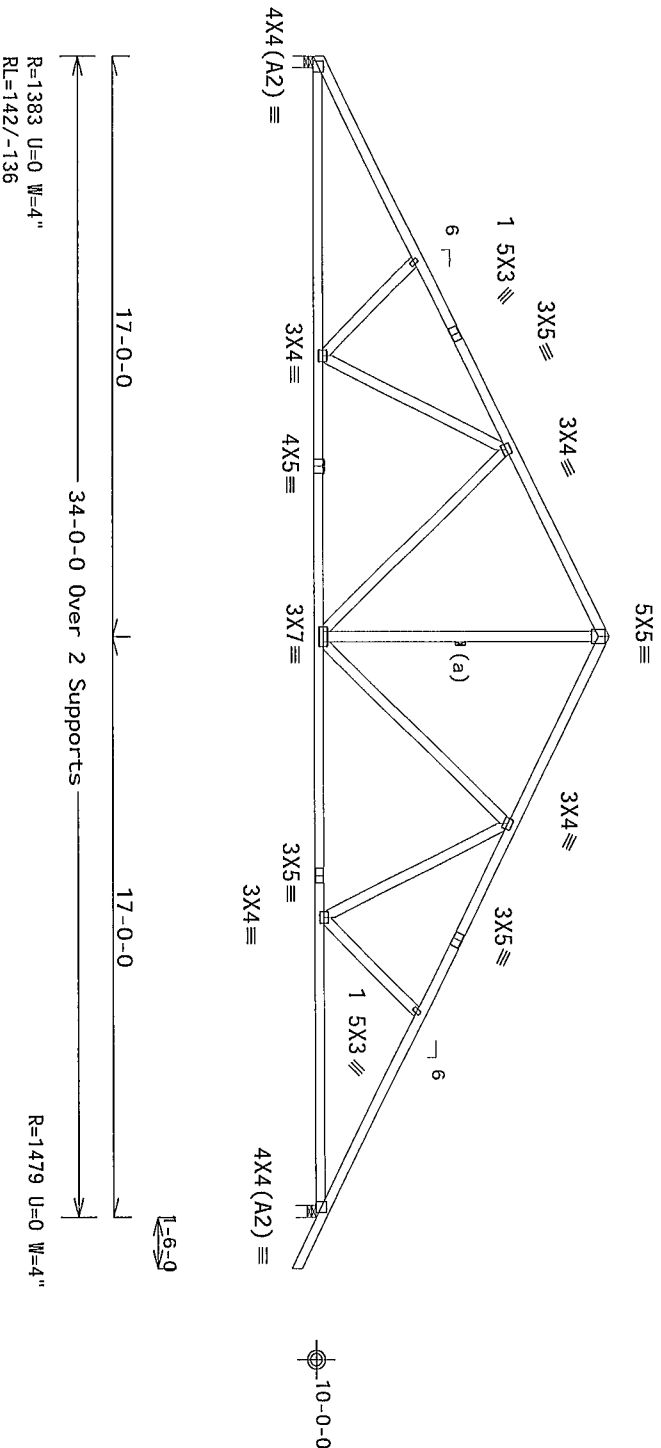
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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

(a) Continuous lateral restraint equally spaced on member  
Bottom chord checked for 10 00 psf non-concurrent live load  
MMFRS loads based on trusses located at least 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 GCP1 (+/-)=0 18  
Wind loads and reactions based on MMFRS 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



PLT TYP Wave

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

12.03.04

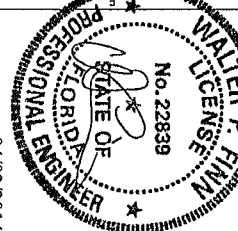
QTY:3 FL/-5/-/-/R/-

Scale = .1875"/Ft.

ALPINE

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

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
**\*\*IMPORTANT\*\*** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and  
follow the latest edition of BCSI (Building Component Survey Information by TPI and WDO) for safety  
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI  
requirements. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses  
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs  
shall have bracing installed per BCSI sections B3 B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design  
any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation  
bracing of trusses. Apply plates to each face of truss and post on as shown above and on the Joint  
Details unless noted otherwise. Refer to drawings 180A-Z for standard plate positions. A seal on this  
drawing or cover page listing the name of the professional engineer is required for the structure to  
be erected. The professional engineer shall be responsible for the design and construction of the structure.  
The responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see  
the general notes page ITW-BCG www.tbwg.com TPI www.tpinet.org WDO www.fbcindustry.com  
ICC www.ccsafe.org



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

04/02/2014

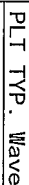
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, 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 MMFRS with additional C&C member design

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

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



12.03.04

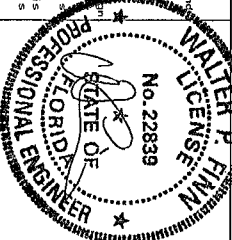
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ITW Building Components Group Inc

**\*\*IMPORTANT\*\* RUSH IN THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**

Trusfuses require extreme care in fabricating, handling, shipping, installing and bracing. Please refer to and follow the latest edition of BCSI's Building Component Safety Information by TPI and WTCO (and BCSI's practices) for or to perform the these functions. Installers shall provide temporary bracing per BCSI's drawings, which are needed otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI's section 83, B7 or B10 as applicable.

17W Building Components Group Inc. (17WBCG) shall not be responsible for any deviations from this code. Any failure due to it is the truss in conformance with ANSI/TPI 1 or for top hand, shipping and bracing of Trusfuses. Apply references to each face of Trusses and position as shown above and on the Joist Deck is unless noted otherwise. Refer to drawings 160A-Z for standard plate points. As a seal on the drawings, the drawings indicate acceptance of professional engineering responsibility so that the responsibility of the Building Designer per ANSI/TPI 1, Sec 2. For more information see general notes page 17W-BGCG [www.17wbcg.com](http://www.17wbcg.com) TPI [www.tpi.net.org](http://www.tpi.net.org) WTCO [www.wtcocanada.com](http://www.wtcocanada.com) ICC [www.iccsafe.org](http://www.iccsafe.org)



~~04/02/2014~~

TC LL	20.0 PSF	REF	R9114- 82561
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HOUSE114 14092023
BC LL	0.0 PSF	HC-ENG	KD/MPF
TOT.LD.	37.0 PSF	SEQN-	29733
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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

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

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

(a) Continuous lateral restraint equally spaced on member

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

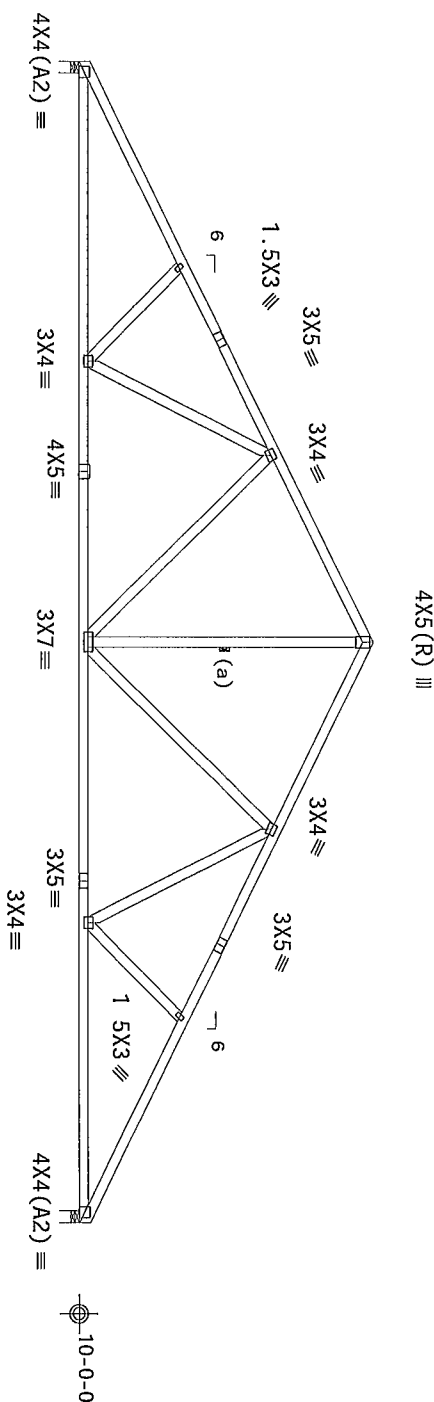
MMFRS loads based on trusses located at least 15 00 ft from roof edge

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 MMFRS 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



17'-0-0  
34'-0-0 Over 2 Supports  
17'-0-0  
R=1386 U=0 W=4"  
RL=128/-128  
R=1386 U=0 W=4"

PLT TYP Wave

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

12.03.04.00.00.14

QTY:9 FL/-/5/-/-/R/-

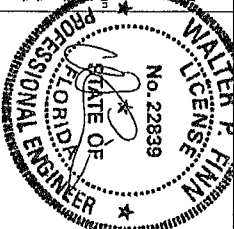
Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and WDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3 B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with the design shown on this drawing. The user of this drawing shall be responsible for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per AISI/TPI 1 Sec 2. For more information see AISI/TPI 1 Sec 2.1. This job is the property of ITWBCG. www.itwbcg.com TPI www.tpinet.org WDA www.docinductry.com



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82562
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092024
BC LL	0.0 PSF	HC-ENG	KD/MPF
TOT. LD.	37.0 PSF	SEQN-	29734
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1V57487_Z02

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

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

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

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 GCpl(+/-)=0 18

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

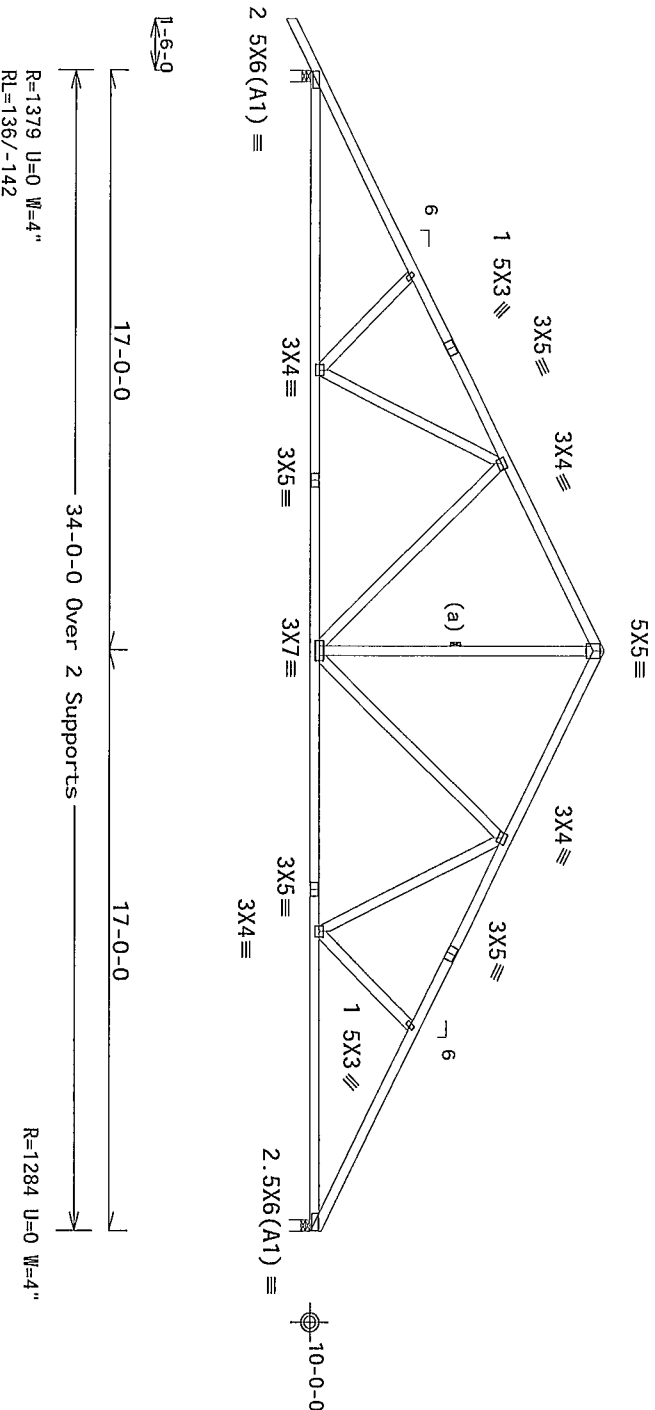
Wind loads and reactions based on MMFRS with additional C&C member design

(a) Continuous lateral restraint equally spaced on member

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

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

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



PLT TYP Wave

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

12.03.04

QTY:1

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

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** 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 WDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached structural sheathing and bottom chord bracing. Trusses 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/APA 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 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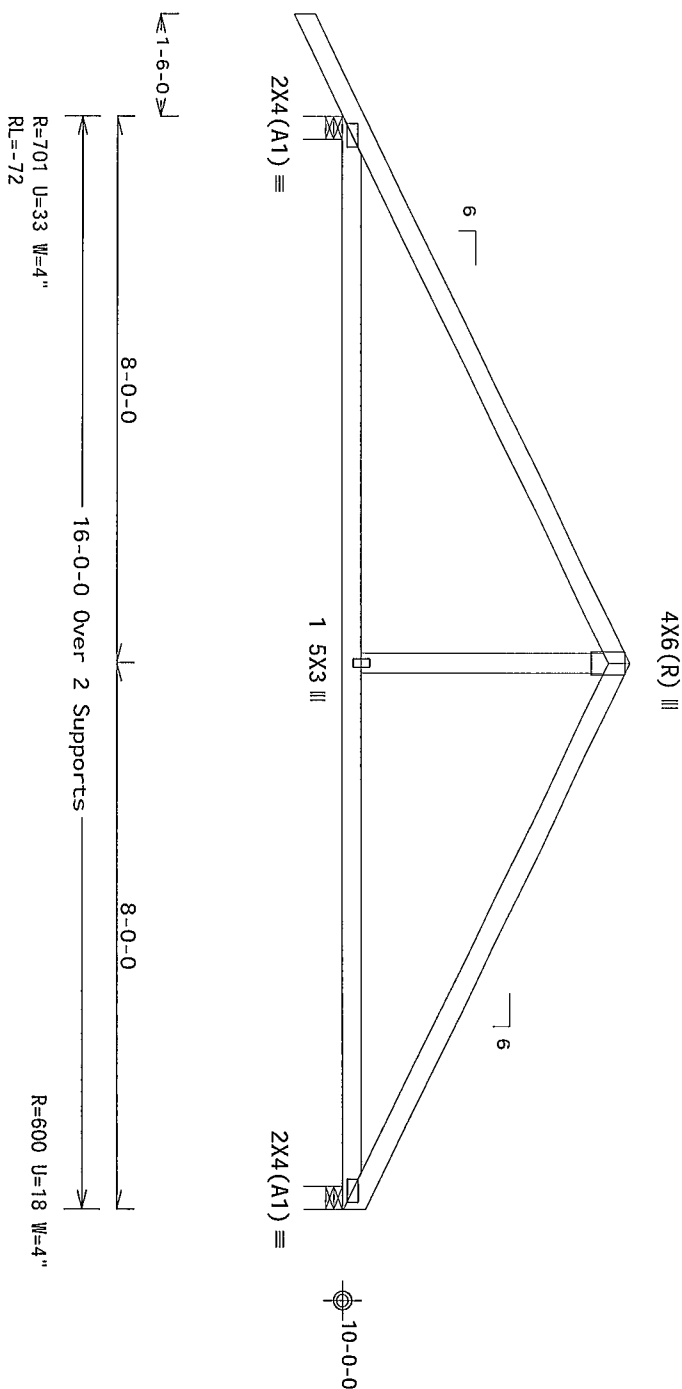
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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

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

factor for dead load is 1.50



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

12.03.04.03.03.14

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

Scale = .375"/Ft.

ALPINE

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety information on how to erect and brace trusses.

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

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

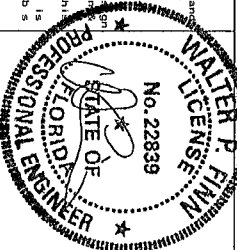
bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint. any failure to build the cross in conformance with ANSI/APA 1 of for handling shipping installation.

Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions A seal on this drawing or cover page listing the drawing and other acceptance of proportional and accurate

The suitability and use of this design for any structure is

general notes page 1TW-BCG www itwbcg com TP1 www tpinst org WTCA www sbcindustry com

ICC [www.iccsafe.org](http://www.iccsafe.org)



~~04/02/2014~~

TC LL	20.0 PSF	REF	R9114 - 82564
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	H05R9114 14092026
BC LL	0.0 PSF	HC-ENG	KD/WMP
TOT. LD.	37.0 PSF	SEQN-	29736
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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

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

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

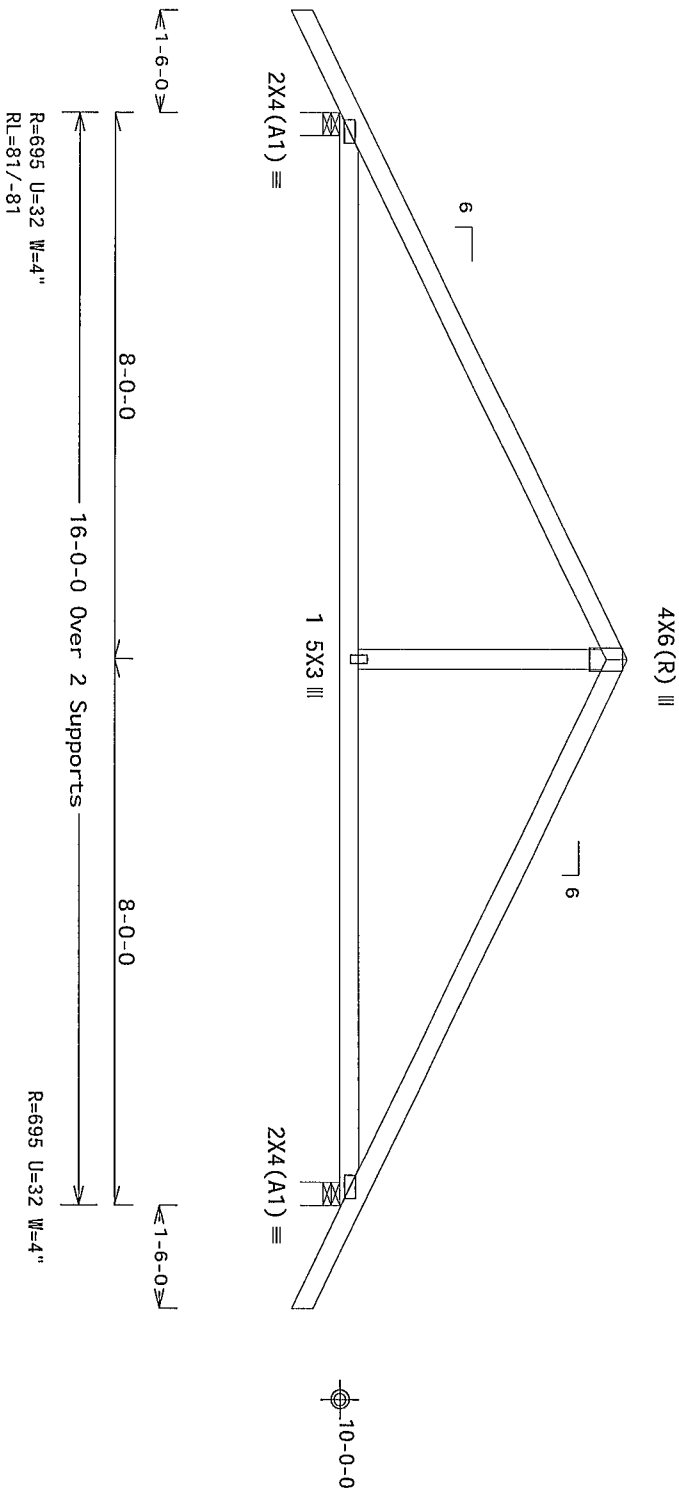
Bottom chord checked for 10 00 psf non-concurrent live load

MMFERS 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 6Cpi(+/-)=0 18

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

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



PLT TYP. Wave

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

12.03.04.09.06.14

QTY: 4

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

Scale = .375"/Ft.

ALPINE

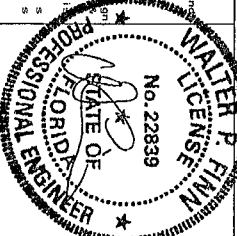
ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

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

Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section B3 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure of the truss system. In accordance with ANSI/TPI 1 Sec 2, the manufacturer shall be responsible 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 ITWBCG's General Notes Page 1 of 1. ITWBCG www.itwbcg.com TPI www.tpi.net.org WDA www.wda-industry.com IBC www.iccactive.org



04/02/2014

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



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

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

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

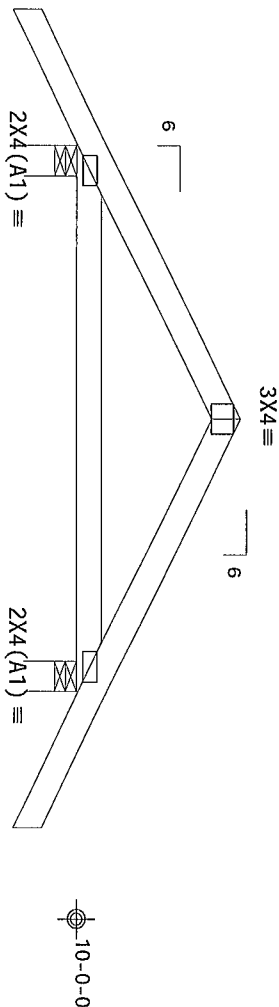
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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

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



1'-6-0" 3'-0-0 3'-0-0 1'-6-0"  
6'-0-0 Over 2 Supports  
R=317 U=0 W=4"  
RL=44/-44 R=317 U=0 W=4'

PLT TYP Wave

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

12.03.04.000000.14

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

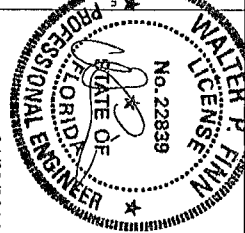
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET.  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and  
follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC (Wind Tunnel  
Center) for or to perform these functions. Installations shall provide temporary bracing per BCSI  
unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord  
shall have a properly attached rafter ceiling. Locations shown for permanent lateral restraint of web  
shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design  
any failure to build the truss in accordance with ANSI/TP1-1 or for handling, shipping, installing or  
bracing. ITWBCG shall not be responsible for any failure to build the truss in accordance with ANSI/TP1-1  
Details unless noted otherwise. Refer to drawings 1604-2 for standard plate notes and details on the  
drawing or cover page listing this drawing. The suitability and use of this design for any structure is  
the responsibility of the Building Designer per ANSI/TP1-1 Sec 2. For more information see This Job's  
general notes page 1178-BDG www.tlwbog.com TP1 www.tp.net.org WTC www.sbc-industry.com  
100 www.creative.org



TC LL	20.0 PSF	REF	R9114- 82566
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HGUSR9114 14092028
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD.	37.0 PSF	SEQN-	29738
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

04/02/2014

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

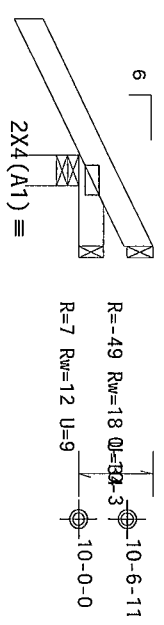
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TROSS MFR

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

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

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located  
anywhere in roof, RISK CAT II, Exp B, wind TC DL=3 5 psf, wind BC  
DL=5 0 psf GCPI(+/-)=0 18  
Wind loads and reactions based on MMFRS with additional C&C member  
design  
Deflection meets L/240 live and L/180 total load Creep increase  
factor for dead load is 1 50



1-6-0-0  
1-0-0 Over 3 Supports

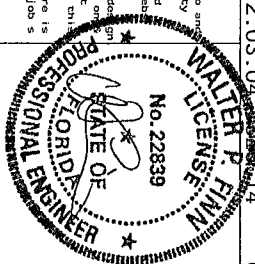
R=229 U=34 W=4"  
RL=20

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

ALPINE

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

**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating handling shipping installing Refer to any  
follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety  
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI  
to maintain structural integrity until permanent bracing is installed. Temporary bracing shall  
shall have a properly attached r/d of ceiling  
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 installing or  
bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joist  
Details unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this  
drawing or cover page 1 set on this drawing that carries acceptance of professional engineering is  
responsibility solely for this design. The seal/initials and use of this design for any structure is  
the responsibility of the user. ITWBCG does not warrant the design for any specific application.  
general notes page ITW BCG www.itwbcg.com TPI www.tpi.net WTC www.structure.com



04/02/2014

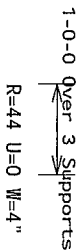
TC LL	20.0 PSF	REF	R9114- 82567
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092029
BC LL	0.0 PSF	HC-ENG	KD/MPF
TOT. LD.	37.0 PSF	SEQN-	29739
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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 MNFRS with additional C&C member design

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



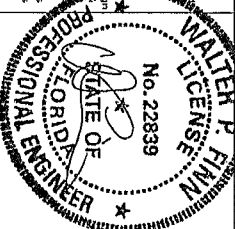
Design Crit.	FBC2010Res/TP1-2007(STD)
	FT/RT=10%(0%)/0(0)

QTY:1

Scale = .5"/Ft.

Trussing require extensive care in fabricating, handling, shipping, installing, and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information by TPI and BTRCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all top chord shall have properly attached structural sheath and bottom chord shall have a properly attached r/g d ceiling. Locations shown for permanent lateral restraint of web shall have bracing detailed per BCSI sections B3, B7 or B10 as applicable.

Orlando FL, 32837  
FL COA #0278



~~04/02/2014~~

TC LL	20.0 PSF	REF	R9114- 82568
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HJUSR9114 14092030
BC LL	0.0 PSF	HC-ENG	KD/WMPF
TOT.LD.	37.0 PSF	SEQN-	29740
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - C/J3 3' Jack)

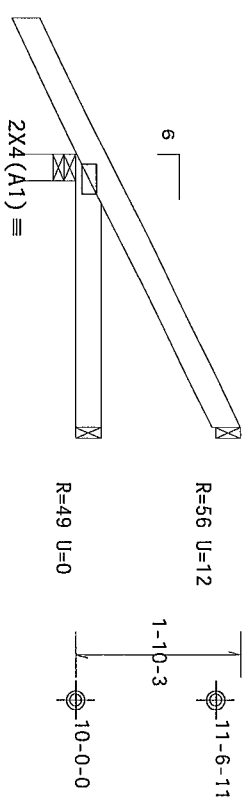
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TROSS MFR

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

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

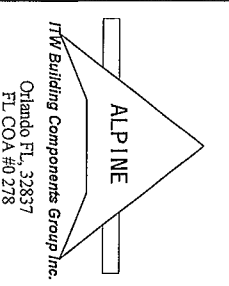
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located  
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC  
DL=5 0 psf GCPI(+/-)=0 18  
Wind loads and reactions based on MMFRS with additional C&C member  
design  
Deflection meets L/240 live and L/180 total load Creep increase  
factor for dead load is 1 50

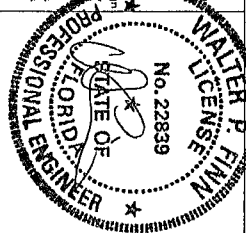


←1-6-0→  
3-0-0 Over 3 Supports  
R=238 U=14 W=3 5"  
RL=37

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



**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and  
follow the latest edition of BCS1 (Building Component Safety Information on by TPI and WTC) for safety  
practices prior to performing these functions. Installers shall provide temporary bracing per BCS1  
unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord  
shall have a properly attached rigid ceiling. All trusses shall have proper bracing installed per BCS1 sections B3 B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design  
specification. The user of this design shall be responsible for any deviation from this design specification.  
Drawing of trusses shall not be used for construction without the approval of the designer. A seal on the  
drawing or cover page listing this design shall be required. The suitability and use of this design for any structure is  
the responsibility of the building designer per ANSI/TP1 1 Sec 2. For more information see This job is  
general notes page ITW-BCG www.twdsg.com www.tpi.net.org WTC www.dce-industry.com



QTY:22	FL/-/5/-/-/R/-	Scale =.5"/Ft.
TC LL	20.0 PSF	REF R9114- 82569
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HCUSR9114 14092031
BC LL	0.0 PSF	HC-ENG KD/WMP
TOT.LD.	37.0 PSF	SEON- 29741
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_Z02

04/02/2014

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - C3A 3' Jack)

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

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

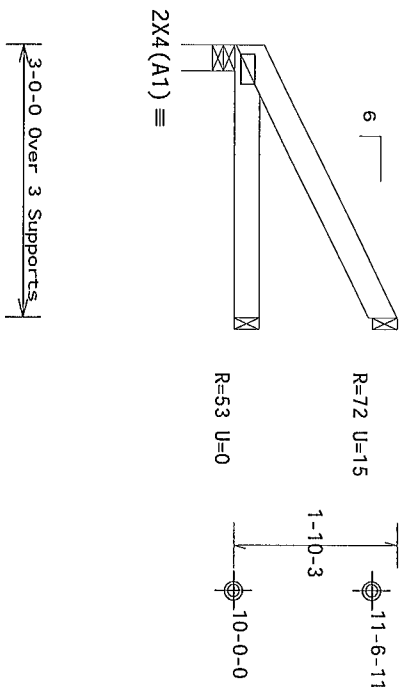
Lumber grades designated with "13B" use design values approved  
1/30/2013 by ALSC

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

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

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

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



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

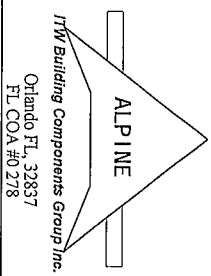
PLT TYP Wave

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

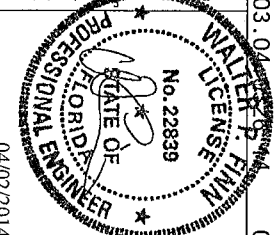
12.03.04

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

Scale = .5"/Ft.



**\*\*IMPORTANT\*\*** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and  
follow the latest edition of BCSI (Building Component Safety) Information by TPI and WCA for safety  
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI  
unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord  
shall have bracing installed per BCSI sections B9, B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design  
and shall not be responsible for any damage to the structure or any injury to persons or property resulting  
from the use of this design. The user of this design shall be responsible for obtaining all necessary  
permits and for obtaining all necessary approvals from the appropriate authorities. The user of this  
design is, unless noted otherwise, to draw and use this design for the purpose of obtaining a permit  
drawn and cover page 1 at the design shown. The suitability and use of this design for any structure is  
the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information on the  
structural notices page ITW BCG www.itwbcg.com TPI www.tpinet.org WCA www.abcdindustry.com  
ISC www.iscusa.org



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

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

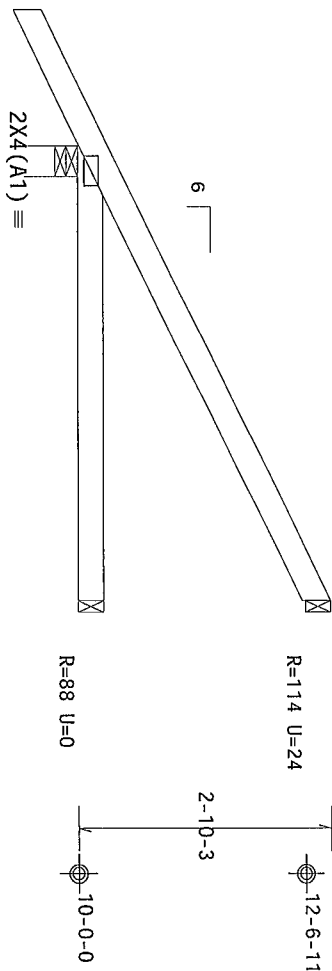
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT 11, EXP B, wind TC D=3 5 psf wind BC D=5 0 psf GCPI (+/-)=0 18

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

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



5-0-0 Over 3 Supports

R=302 U=11 W=4"  
 PL=53/-23

Design Crit. FBC2010Res/TP1-2007(STD)

PLT TYP Wave

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

12 03 04 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1

QTY:22 FL/-/5/-/-/R/-

Scale = .5"/Ft.

ALPINE

**ITW Building Components Group Inc**

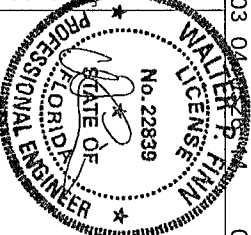
Orlando FL, 32837  
FL COA #0278

**\*\*\*IMPORTANT\*\*\*** FURNISH THIS DECISION TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI's Building Component Safety Information on by TPI and WTCO for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI's trusses needed otherwise, trusses should shall have properly attached structural sheathing and bottom chord bracing. Trusses shall have bracing installed per BCSI section 8.3, 8.7 or 8.10, as applicable.

TPI Building Components Group, Inc. (TIBCOG) shall not be responsible for any deviation from its design or drawings. Trusses shall be installed in conformance with ANSI/TPI-1 or, for hand-cut trusses, on brace of trusses. Apply plates to each face of trusses and position as shown above and on the Joist. BCSI's unless noted otherwise. Refer to drawings TABA-2 for standard gable post ends. A seal on the drawing or cover page shall be on a drawing and trusses shall be installed and bracing shall be installed in conformance with the design and drawings. For professional and engineering use, the responses shall be by the Building Group per ANSI/TPI-1, Section 2. For more information on see the general notes page. TIBCOG: [www.tibco.org](http://www.tibco.org) TPI: [www.tpinet.org](http://www.tpinet.org) WTCO: [www.abcdindustry.com](http://www.abcdindustry.com)

[www.tibco.org](http://www.tibco.org) [www.tibco.org](http://www.tibco.org) [www.tibco.org](http://www.tibco.org)



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82571
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	H05R9114 14092033
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT LD	37.0 PSF	SEQN-	29743
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

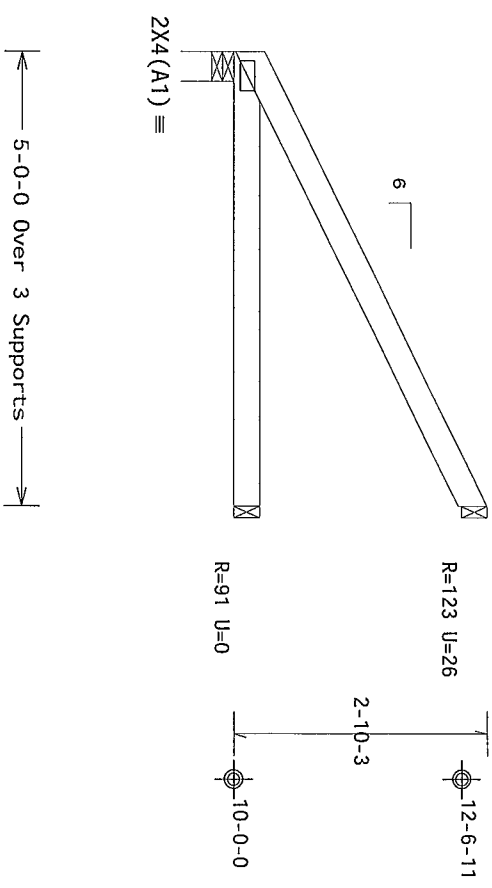
Top chord 2x4 SP #1-13B  
Bot chord 2x4 SP #1-13B  
Lumber grades designated with "13B" use design values approved  
1/30/2013 by ALSC

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT 11, EXP B, wind DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

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

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



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

PLT TYP Wave

Design Crit: FBC2010Res/TP1-2007(STD)

12.03.04

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

Scale =.5"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information on by TP1 and WTCO 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 sheathing installed per BCSI sections B3 B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and specifications. ITWBCG shall not be responsible for handling, shipping, installation, bracing or covering of trusses. Apply plates to each face of joints and points of attachment. A seal on this drawing or cover page listing this design drawing and notes 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/TP1 Sec 2. For more information on see this Job's General notes page ITW BCG www.itwbcg.com TP1 www.tp1inst.org WTCO www.steelindustry.com

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

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

04/02/2014

TC LL	20.0 PSF	REF R9114- 82572
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HCURS9114 14092034
BC LL	0.0 PSF	HC-ENG KD/MPF
TOT. LD.	37.0 PSF	SEON- 29744
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_202

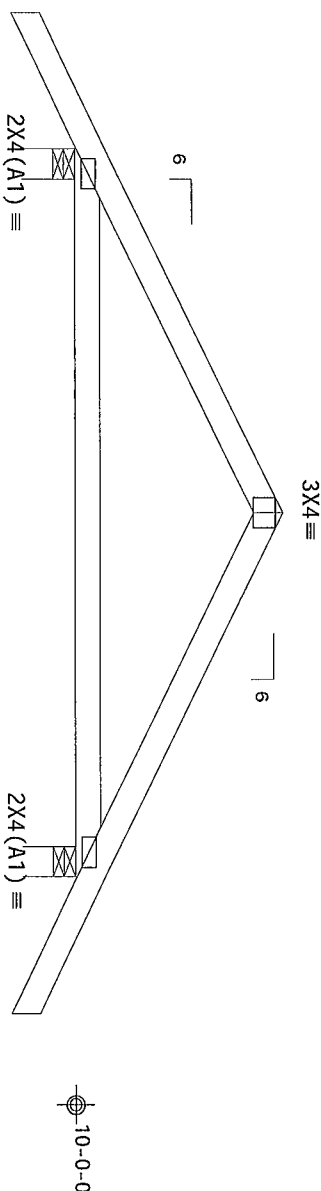
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, Do not use 100 yr return period

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

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

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



1-6-0

4-0-0

8-0-0 Over 2 Supports

4-0-0

1-6-0

R=393 U=22 W=4

R=51 U=51

R=393 U=22 W=4

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

12.03 04 138-044

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

Scale = .5"/Ft.

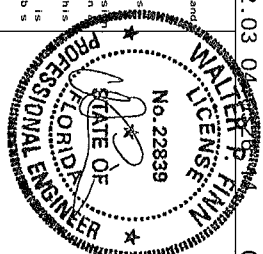
**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Insurers require extensive care in fabricating, handling, shipping, installing, and bracing. Refer to and follow the latest edition of BCSI's (Bu'ding Component Safety Information by TPI and WTCO) for safety practices prior to or perform any these functions. Insulators shall provide temporary bracing per BCSI's unless noted otherwise. No top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter or ceiling. Locations shown for permanent lateral restraint of webs shall have brace installed per BCSI's sections B3, B7 or B10 as applicable.

ALPINE

RTW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278



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

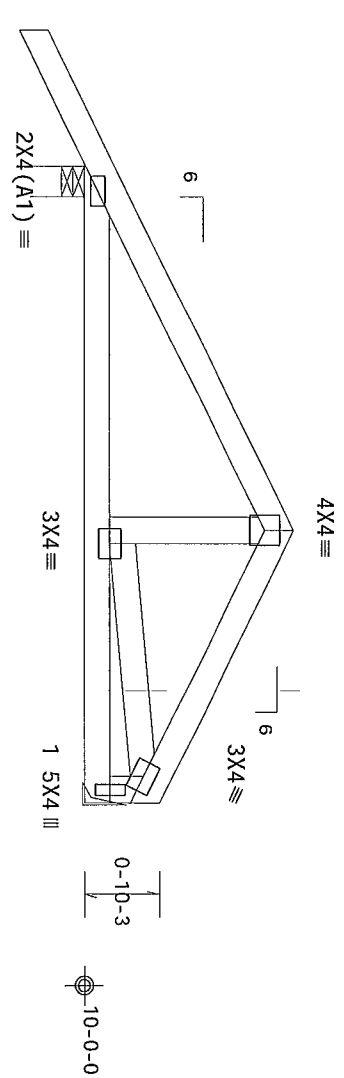


Top chord 2x4 SP #1-13B  
Bot chord 2x4 SP #1-13B  
Webs 2x4 SP #3-13B  
120 mph wind, 15 00 ft mean hgt. ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpl(+/-)=0 18

Lumber grades designated with '13B' use design values approved 1/30/2013 by ALSC  
Wind loads and reactions based on MMFRS with additional C&C member design

(J) Hanger Support Required, by others  
Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load Creep increase  
MMFRS loads based on trusses located at least 7 50 ft from roof edge  
Factor for dead load is 1 50



1-6-0  
4-0-0  
7-0-0 Over 2 Supports  
3-0-0  
R=372 U=23 W=4  
RL=35/-37  
R=247 U=6  
H=H1

PLT TYP Wave  
Design Crit FBC2010Res/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)  
12.03.04  
QTY 3 FL/-/5/-/5/-/R/-  
Scale =.5"/Ft.

**ALPINE**

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

**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET.  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information on by TPI and WDOA for safety practice 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 include bracing installed per BCSI section 83.07 or 810 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or type to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing, or any other deviation from the design. The user of this design shall be responsible for the drawing or cover page listing this design. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Section 2. For more information see the general notes page. ITWBCG www.itwbcg.com TPI www.tpiinc.org WDOA www.woodindustry.com

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

TC LL	20.0 PSF	REF R9114- 82574
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HOURS9114 14092036
BC LL	0.0 PSF	HC-ENG KD/MFP
TOT. LD.	37.0 PSF	SEON- 29746
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1V57487_202

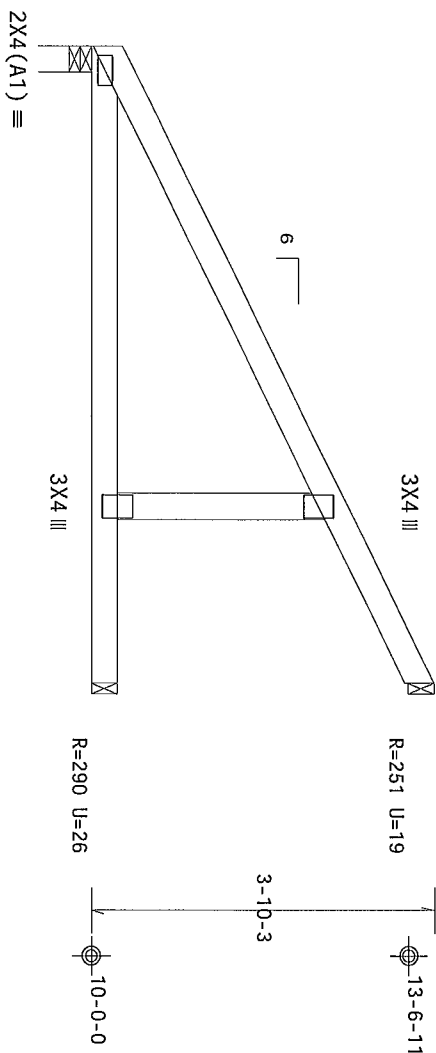
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Webs 2x4 SP #3-13B

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

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

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



7-0-0 Over 3 Supports

Design Crit FBC2010Res/TP1-2007(STD)

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

12.03.04

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

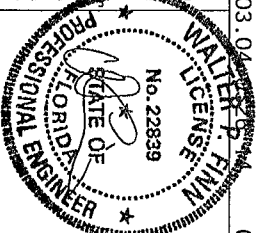
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** SUBMIT THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trussus require extensive care in fabricating handling all pping installing and bracing  
Refer to and follow the latest ed it ion of BCOS (Building Component Safety Information by TPI and WTCO) for safety  
practices such as per or to performing these funct ions Installers shall provide temporary bracing per BS6091  
all trusses noted otherwise so that other loads shall properly attached structural members and bottom chord  
connections shall have bracing installed per BS6091 sections B7 or B10 as applicable  
1TW Building Components Group Inc. (TMBOS) shall not be responsible for any deviation from this doc  
any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation  
brace of trusses. Apply places to each face of truss and position as shown above and on the Joint  
Brace is unless noted otherwise. Refer to draw ngs TB0A-2 for standard brace pos tions A seal on this  
document may change without notice drawing not a contract agreement or professional engineering  
responsibility. The design of this building component is the responsibility of the manufacturer.  
The responsibility of the Building Division per ANSI/TPI 1 Sec 2 For more information see  
general notes page 1TW BCG www.tlabcog.com TPI www.tpinet.org WTCO www.abctinc.com  
CBC www.cbcare.org



04/02/2014

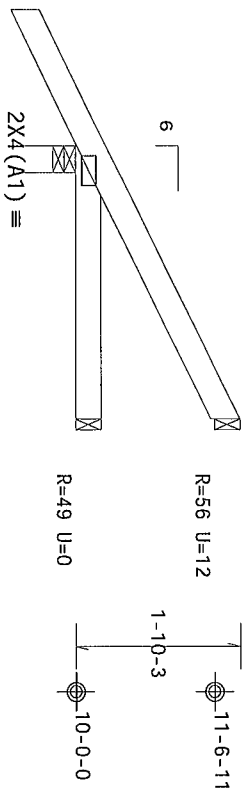
TC LL	20.0 PSF	REF	R9114- 82575
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092037
BC LL	0.0 PSF	HC-ENG	KD/MPP
TOT. LD.	37.0 PSF	SEQN-	29766
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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

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

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



1-6-0  
3-0-0 Over 3 Supports

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

Design Crit: FBC2010Res/TP1-2007(STD)

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

12.03.04 0326 14

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

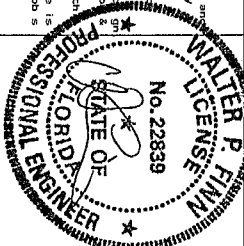
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** TURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Tusnuses require extreme care in fabricating handling shipping installing and bracing Refer to enge  
product cat prior to performing these functions Installers shall provide temporary bracing per BS5I  
shall have a properly installed per BS5I sections 83 87 or B10 as applicable  
ITW Building Components Group Inc (ITWBGC) shall not be responsible for any deviation from this spec  
any failure to build the trusses in conformance with ANSI/TPI 1 or for handling shipping installatio  
Details unless noted otherwise Refer to drawings TBDA-2 for standard plate points and on the Joint  
responsibility solely for the design shown The said title and use of this design for any structure is  
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information on see This Job s  
General notes page ITW-BGC www.itwbcg.com TPI www.tpi.net WTCA www.sdcindustry.com  
www.lecrae.org



04/02/2014

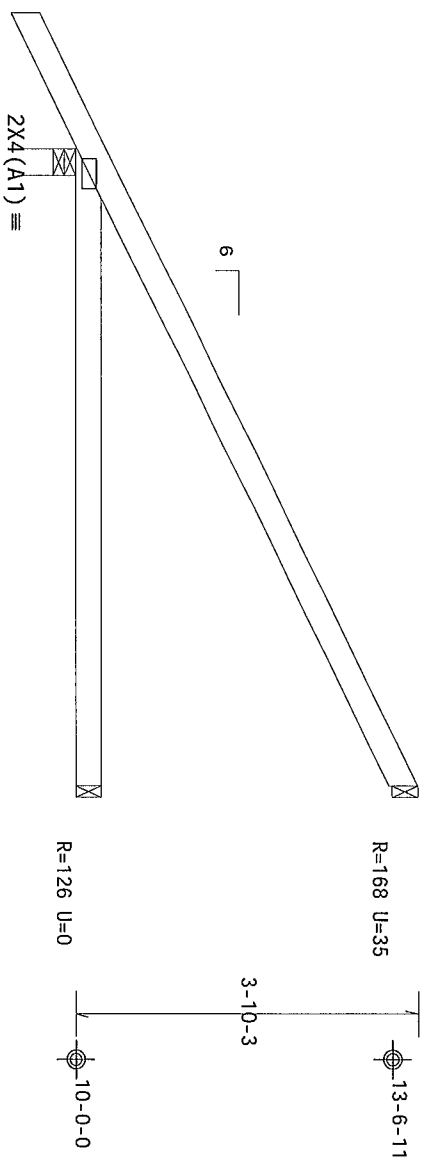
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TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HOUSE#114 14092038
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29747
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 4 50 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI (+/-)=0 18

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

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



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

PLT TYP. Wave

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

12.03.04 0326 14

QTY:73 FL/-/5/-/-/R/-

Scale = .5"/Ft.

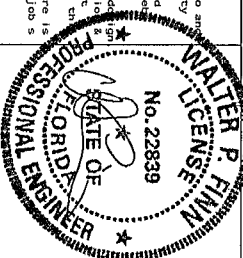
**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trussers require experience care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheath and bottom chord shall have properly attached r/gf ceiling. Locations shown for permanent lateral restraint of wall shall have bracing installed per g/cf ceiling. Locations shown for permanent lateral restraint of wall shall have bracing installed per g/cf ceiling. BSI 87 or B10 as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278



TC LL	20.0 PSF	REF	R9114- 82577
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	H05R9114 14092039
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD.	37.0 PSF	SEQN-	29748
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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

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

Wind loads and reactions based on MWFRS

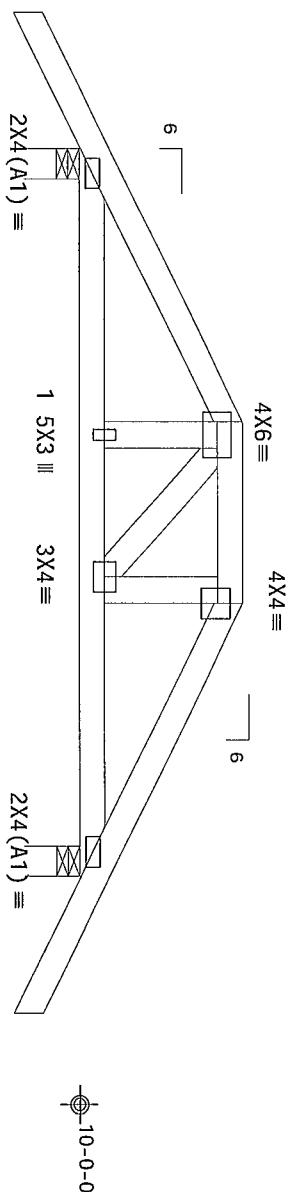
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

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

TC-From	56 pif at -1 50 to	56 pif at 3 00
TC-From	56 pif at 3 00 to	56 pif at 5 00
TC-From	56 pif at 5 00 to	56 pif at 9 50
BC-From	4 pif at -1 50 to	4 pif at 0 00
BC-From	20 pif at 0 00 to	20 pif at 3 03
BC-From	10 pif at 3 03 to	10 pif at 4 97
BC-From	20 pif at 4 97 to	20 pif at 8 00
BC-From	4 pif at 8 00 to	4 pif at 9 50
TC-86 80	1b Conc Load at 3 03,	4 97
BC-118 37	1b Conc Load at 3 03,	4 97

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

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



1-6-0

Diagram of a continuous beam with three supports. The beam is divided into two equal spans of 8'-0" each. The total length is 16'-0". The beam is labeled "R=588 U=57 W=4"

PLT TYP Wave

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

12.03.04 0326 14

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

Scale = .5"/Ft.

# ALPINE

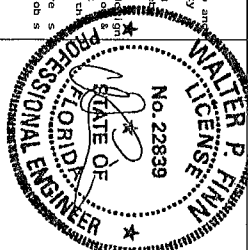
ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278

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

Tenusers require extreme care in their cutting handling shipping installing and bracing  
follow the latest edition of BCS (Build Up Component Safety Information by TPI and WTCO) for safety  
practices prior to performing these functions. Installers shall provide temporary bracing per BCS  
Unles noted otherwise Top chord shall have properly attached structural sheathing and bottom chord  
shall have a properly installed rigid ceiling. Local cam down for permanent lateral restraint of wall  
shall have bracing installed per BCS sections 63, 69 or 810 as applicable.

I/TW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design  
any way to build the Truss in conformance with ANSI/APA 1 or for hand ng shipping installatio  
ing. All users must apply all practices shown above and on the side of the truss.  
ng. All users must follow the design of ITWBCG and adhere to the design of professional engineering  
responsibility solely for the design shown. The suitability and use of this design for any structure s  
general notes page I/TW-BCG www.tbcbg.com per ANSI/TPI 1 Sec 2. For more information see This job s  
www.ccsate.org TPI www.tpi.net WTCA www.sbc.industry.com



04/02/2014

TC LL	20.0 PSF	REF	R91114- 82578
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092040
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT LD.	37.0 PSF	SEQN-	29771
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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

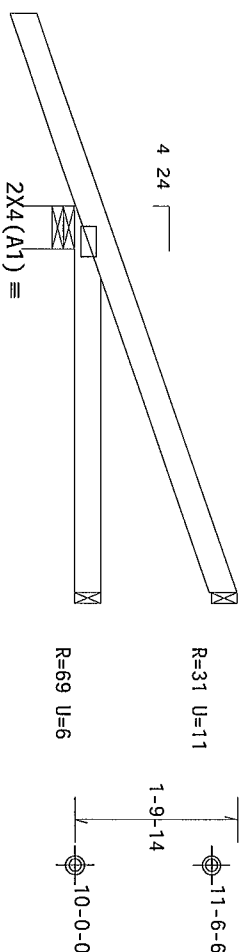
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gcpi(+/-)=0 18

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

Special loads  
----- (Lumber Dur Fac = 1.25 / Plate Dur Fac = 1.25)  
TC-From 0 pif at -2.12 to 55 pif at 0.00  
TC-From 2 pif at 0.00 to 2 pif at 4.24  
BC-From 0 pif at -2.12 to 4 pif at 0.00  
BC-From 2 pif at 0.00 to 2 pif at 4.24  
TC-30 90 lb Conc Load at 1.48  
BC-13 75 lb Conc Load at 1.48

Wind loads and reactions based on  $MNF_{FRS}$

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



← 4-2-15 Over 3 Supports →  
R=173 U=67 W=5 657"

PLT TYP Wave

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

12.03.04 0326 14

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

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc

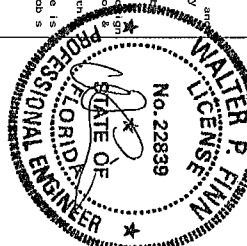
Orlando FL, 32837  
FL COA #0278

**\*\*\*IMPORTANT\*\*\*** **WARNING\*\*\*** **READ AND FOLLOW ALL NOTICES ON THIS SHEET!**  
**FOR LISTEN THIS DESIGN TO ALL CONTRACTORS INCLUDING THE INSTALLERS!**

These require extreme care in fabricating, handling, shipping, installing, and bracing. Refer to any follow the latest edition of ECOS (Building Component Safety Information by TPI and WTC) for safety practice used prior to performing these functions. Installers shall provide temporary bracing per ECOS. Unbraced members shall have properly attached structural sheath and bottom chord shall have bracing installed per ECOS sections B3, B7, or B10 as applicable.

TPI Building Components Division (TPI/BCD) shall not be responsible for any deviation from this design or any failure to build as shown, in conformance with AS/NZS 1600, or for handling, shipping, installing, or bracing. BCD is, unless noted otherwise, not responsible for any deviation from this design. A seal on the drawing or cover page stating that the design is not a representation of professional engineering shall not be a defense. The liability and use of this design for any structure is the responsibility of the respondent. The respondent shall provide AS/NZS 1600, Part 1, Section 2, for more information. See the respondent's job sheet for more information. See the respondent's job sheet for more information. See the respondent's job sheet for more information.

general contact page: TPI/BCD www.tpi.com www.tpi.com WTC www.steelindustry.com  
 www.tpi.com www.tpi.com www.tpi.com www.tpi.com



04/02/2014

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

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

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

Brg blocks 0 131"x3", min nails  
x-loc #blocks length/blk #nails/blk wall plate  
2 9 958' 1 15" 9 Rigid Surface  
Brg block to be same size and species as chord  
Refer to drawing CMAA1LSP0109 for more information

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

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

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

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

3X5 ≡

SS0612 ≡

6X6 ≡

5X5 ≡

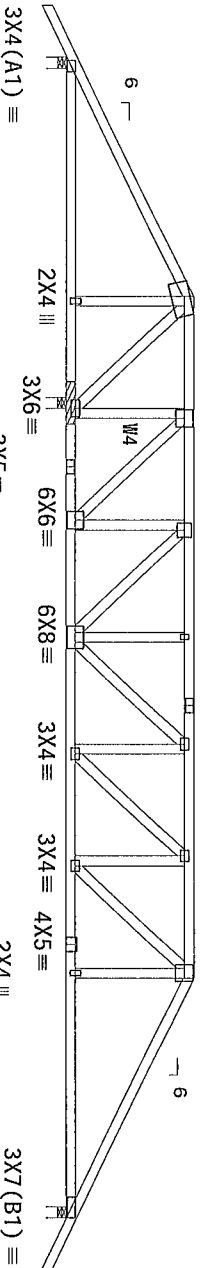
1 5X3 ≡

3X4 ≡

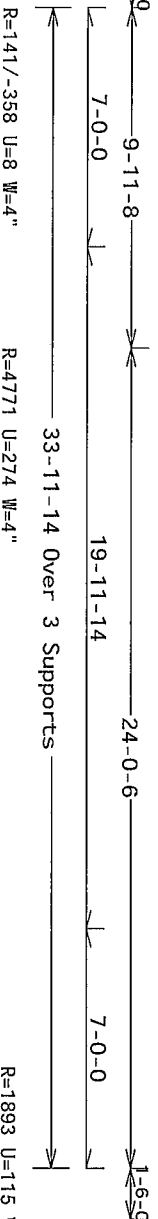
3X4 ≡

3X4 ≡

6X6 ≡



10-0-0



PLT TYP 18 Gauge HS Wave

Design Crit. FBC2010Res/TPI-2007(STD)

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

12 03 04 14 15 16 17 18 19 20 21 22 23 24

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

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and  
follow the latest edition of BCSI (Building Component Safety Information) by TPI and WFOA 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 properly attached structural sheathing. For permanent lateral restraint of webs  
shall have bracing installed per BCSI (see one BS B or B10 as applicable)  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design  
drawing or any other drawings or specifications. The user of this design drawing shall be responsible for  
any deviation from this design drawing or any other drawings or specifications. The user of this design  
drawing shall be responsible for any deviation from this design drawing or any other drawings or specifications.  
Data is, unless noted otherwise, Refer to drawings 1604-Z for standard plate positions. A seal on this  
drawing or cover page listing this design drawing indicates acceptance of professional engineering  
responsibility solely for the design shown. The suitability and use of this design for any structure is  
solely the responsibility of the user. ITWBCG does not warrant the suitability or use of this design for  
any other purpose. ITWBCG does not warrant the suitability or use of this design for any other purpose.  
ITC www.ccsafe.org



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82580
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCSR9114 14092069
BC LL	0.0 PSF	HC-ENG KD/MPF	
TOT. LD.	37.0 PSF	SEQN-	29772
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

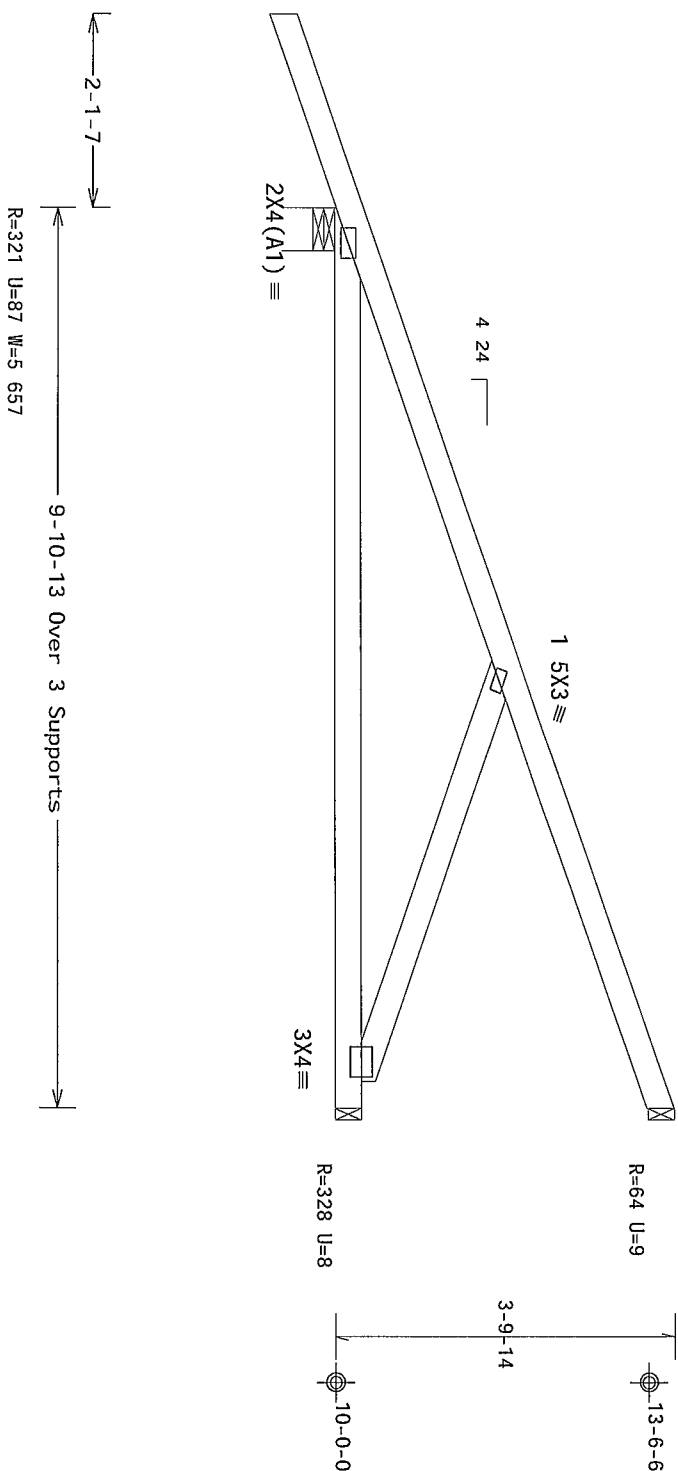
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MWFRS

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

	Dur	Fac = 1 25	/	Plate Dur	Fac = 1 25)
-----Special loads					
(Lumber					
TC-From	0 pif at -2	12 to		55 pif at	0 00
TC-From	2 pif at 0	00 to		2 pif at	9 90
BC-From	0 pif at -2	12 to		4 pif at	0 00
BC-From	2 pif at 0	00 to		2 pif at	9 90
TC-30 90 lb Conc	Load at	1 48			
TC-111 20 lb Conc	Load at	4 31			
TC-228 42 lb Conc	Load at	7 13			
BC-13 75 lb Conc	Load at	1 48			
BC-98 56 lb Conc	Load at	4 31			
BC-176 42 lb Conc	Load at	7 13			
Deflection meets L/240 live and L/180 total load factor For dead load is 1 50 Creep increases					



PLT TYP Wave

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

12.03 04:52:56  
QTY:10 FL/-/5/-/-/R/-

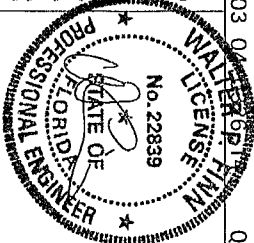
Scale = .5"/Ft.

## ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT\*\***      WARNING== READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCOSI (Building Component Safety Information) on TP1 and WT04 for safety practices prior to performing these functions. Installations shall provide temporary bracing per BCOSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraint or where shall have bracing installed per BCOSI sections 83, B7 or B10 as applicable.  
  
ITW Building Components Group Inc. (IMBEC) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI-1 or for handling, shipping, installation, bracing or placing plates to such face of truss and position as shown above and on the Joint Drawing of cover plate listing this drawing. All loadings acceptance of professional engineer on drawings or covers page. Liability for this design rests solely with IMBEC. No liability 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-BCOSI www.lbwco.com TP1 www.tpi.net WTCA www.abcdindustry.com  
CIC www.cicsteel.org



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82581
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	H0569114 14092042
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37.0 PSF	SEQN-	29768
DUR FAC.	1.25		
SPACING	24.0"	JREF--	1V57487_Z02



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

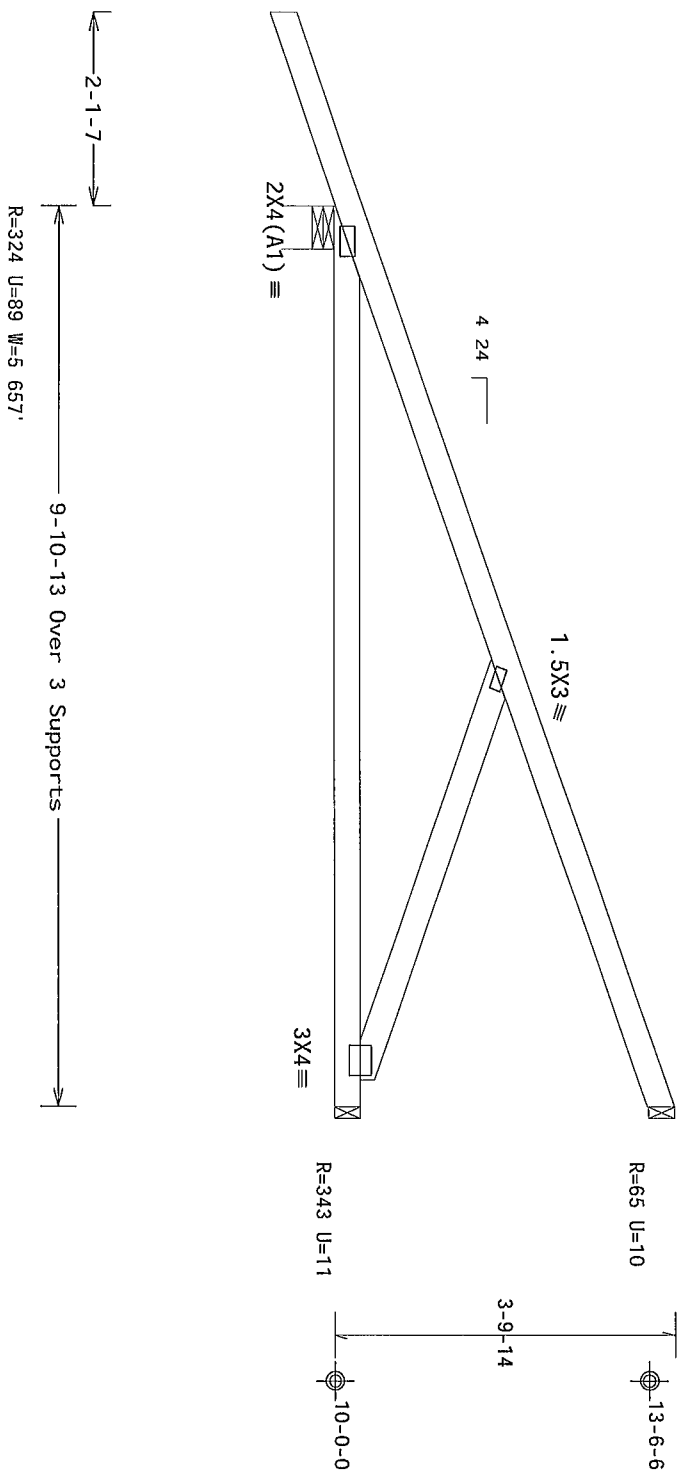
Lumber grades designated with 13B" use design values approved 1/30/2013 by ALSC

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MWFRS

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

Special loads					
-----Lumber Dur Fac = 1 25 / Plate Dur Fac = 1 25)					
TC-From	0 pif at -2 12 to	55 pif at	0 00		
TC-From	2 pif at 0 00 to	2 pif at	9 90		
BC-From	0 pif at -2 12 to	4 pif at	0 00		
BC-From	2 pif at 0 00 to	2 pif at	9 90		
TC-127 84 lb Conc	Load at	1 48			
TC-127 84 lb Conc	Load at	4 31			
TC-237 50 lb Conc	Load at	7 13			
BC-13 75 lb Conc	Load at	1 48			
BC-102 47 lb Conc	Load at	4 31			
BC-178 95 lb Conc	Load at	7 13			
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50					



PLT Typ Wave

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

12.03.04 15:36

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

Scale = .5"/Ft.

ALPINE

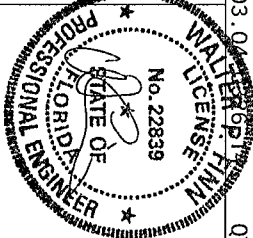
ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0 278

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

Those requiring a pre-fabricated handling, installing and bracing system shall be identified on the drawings and shall be identified on the list of materials. The contractor shall follow the latest edition of the Building Code of America (BCA) and the International Building Code (IBC) for the design and construction of the temporary bracing system. The contractor shall provide temporary bracing per the Building Code of America (BCA) and the International Building Code (IBC) for the design and construction of the temporary bracing system. The contractor shall have a properly attached and a ceiling location shown for permanent lateral restraint of webs shall have bracing installed per BSJ sections 83, 87 or 810 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or specification. ITWBCG shall not be responsible for any failure to build the truss in conformance with AS/NZS/TP 1 or for handling, shipping, installation & bracing of trusses. Apply plates to each face of trusses and posit on as shown above and on the Joint. Refer to drawings 180A-2 for standard plate positions. A seal on truss members is required to prevent moisture entering the truss. The suitability and use of this design for any structure is the responsibility of the client. The suitability and use of this design for any structure is the responsibility of the client. For more information see per AS/NZS/TP 1 Sec 2. This job is general houses page ITW BCG www.itwbcg.com tp1 www.tp1net.org WTCB www.abcdindustry.com CCC www.1ccare.org



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82582
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 14092043
BC LL	0.0 PSF	HC-ENG	KD/W/PF
TOT. LD.	37.0 PSF	SEQN-	29769
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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

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

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

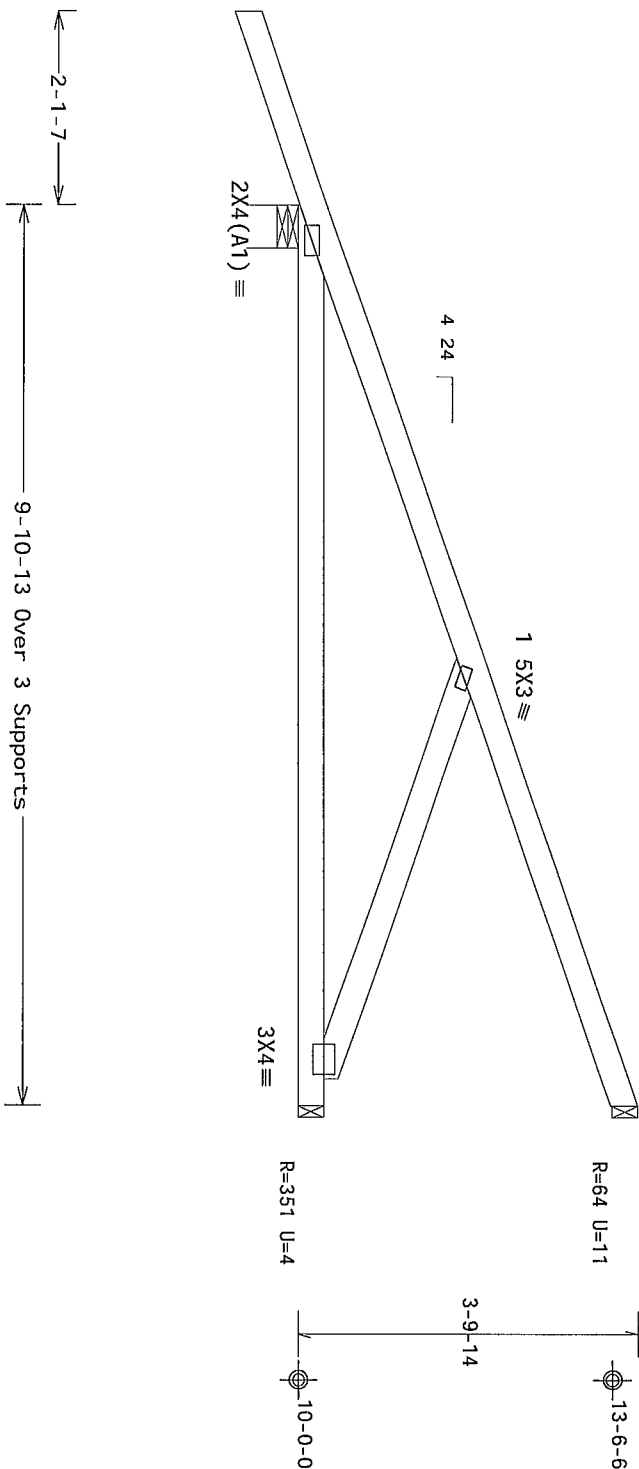
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf,  
wind BC DL=5 0 psf GCPI(+/-)=0 18

Wind loads and reactions based on MMFRS

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

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

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



PLT TYP Wave

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

12.03.04

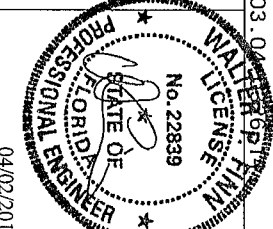
QTY 1 FL/-/5/-/-/R/-

Scale =.5"/Ft.

ALPINE

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

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and follow the latest edition of BCS1 (Building Component Safety Information by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1 unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing. The truss shall be braced for permanent lateral restraint of webs shall have bracing installed per BCS1 sections B3 B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any other building code requirements. The truss shall be installed in accordance with the manufacturer's instructions. Apply plates to each face of truss and post on as shown above on the truss. A seal on this drawing or cover page listing the design and construction details of the truss shall be provided. The seal shall be signed by a professional engineer. This job is the responsibility of the building designer per AISC/TPI 1 Spec 2. For more information see this job's general notes. TPI 1 www.tpi.com TPI 2 www.tpi.com WTC www.wtcindustry.com



TC LL	20.0 PSF	REF R9114- 82583
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW/ HCUR9114 14092044
BC LL	0.0 PSF	HC-ENG KD/WPF
TOT. LD.	37.0 PSF	SEQN- 29770
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_202

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

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf,  
wind BC DL=5.0 psf GCP(+/-)=0.18

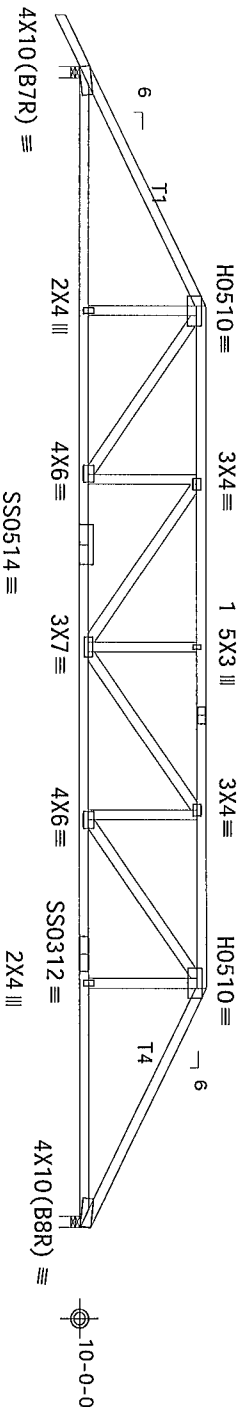
Wind loads and reactions based on MMFRS

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

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

3X6 ≡



L=6'-9"

7'-0'-0"

20'-0'-0"

7'-0'-0"

34'-0'-0" Over 2 Supports

R=3016 U=190 W=4"

R=2936 U=171 W=4"

PLT TYP 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2010Res/TP1-2007(STD)  
Wave FT/RT=10%(0%)/0(0)

12.03.04

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

Scale = .1875"/ft.

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

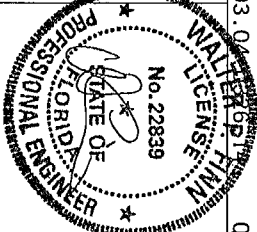
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI. Trusses shall be braced from permanent lateral restraint of webs shall have bracing installed per BCSI. Trusses shall be braced from permanent lateral restraint of webs shall have bracing installed per BCSI. Trusses shall be braced from permanent lateral restraint of webs shall have bracing installed per BCSI.

TP1 Building Components Group Inc. (TBCGI) shall not be responsible for any deviation from this design or any failure of the building. The responsibility of the building designer per ASCE/TP1 1 Sec 2 For more information see the TBCGI website www.tbcgi.com TPI www.tpinet.org WTC www.wtc-industry.com

ALPINE

TP1 Building Components Group Inc.

Orlando FL 32837  
FL COA #0278



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82584
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HGUSR9114 14092045
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD.	37.0 PSF	SEQN-	29773
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1V57487_Z02

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

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

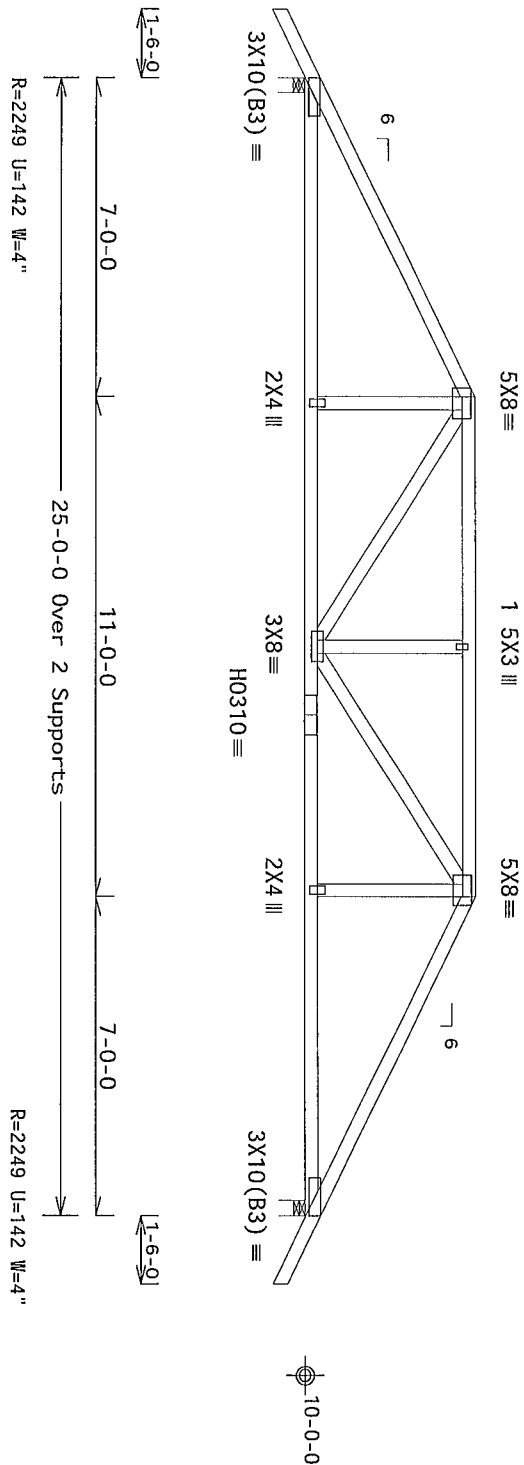
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1(+/-)=0 18

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



PLT TYP. 20 Gauge HS, Wave

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

12.03.04 0226 14

QTY:1

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

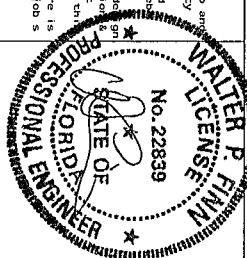
Scale = .25"/Ft.

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

**ITW Building Components Group Inc.**

Orlando FL, 32837  
FL COA #0278

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any delay action from this date until the date of the next meeting of the Joint Design Committee. The responsibility for the design of the building is the responsibility of the Building Designer per ANSI/TPI 1, Sec 2. For more information see the following website: [www.itwbcg.com](http://www.itwbcg.com) [www.tlwbog.com](http://www.tlwbog.com) [www.tlbntr.org](http://www.tlbntr.org) [www.sbcindustry.com](http://www.sbcindustry.com)



04/02/2014

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

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

Top chord 2x6 SP M-26 T4 2x4 SP M-30  
Bot chord 2x6 SP S5-13B B3 2x6 SP #1 Dense-13B  
Webs 2x4 SP #3-13B W2 2x4 SP 2850F-2 3E  
W4 W8 2x4 SP #2-13B

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

Brig blocks 0 131 x3 min nails  
brg x-loc #blocks length/bk #nails/bk wall plate  
1 0 000 1 12 4 Rigid Surface  
2 39 542 1 12 4 Rigid Surface  
Brig block to be same size and species as chord  
Refer to drawing CMMALLSP0109 for more information

120 mph wind 15 00 ft mean hgt ASCE 7-10, CLOSED bldg not located within 9 00 ft from roof edge RISK CAT II, EXP B wind TC DL=3.5 psf, wind BC DL=5.0 psf GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS

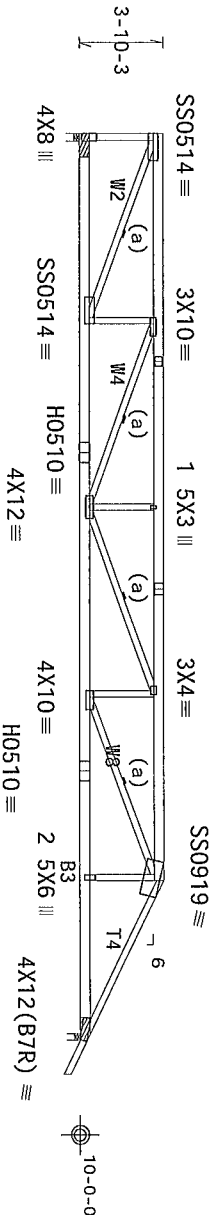
Left end vertical not exposed to wind pressure

Max JT VERT DEFL LL 0.63 DL 0.80 See detail DEFLCAMB0813 for camber recommendations. Roofs incorporating this truss require consideration for ponding design by Building Designer

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

Calculated vertical deflection is 0.63 due to live load and 0.80 due to dead load at X = 16'-4"-13

4X5 = 5X6 =



32'-10"-0  
39'-10"-0 Over 2 Supports  
7'-0"-0  
1'-6"-0  
10'-0"-0

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2010Res/TPI-2007(STD)  
WAVE FT/RI=10% (0%)/0.0(0)

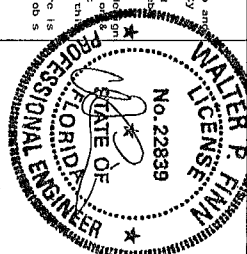
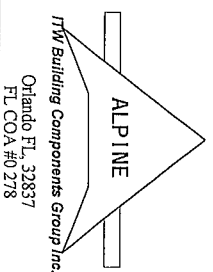
12.03 04 2026 14 QTY:1 FL/-/5/-/-/R/-

Scale = .125"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid diaphragm. Locate one shown for permanent lateral restraint of web.

The Building Components Group Inc. (TPI/BCSI) shall not be responsible for any deviation from this design and/or failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installing or bracing the truss. Refer to drawings 150A-Z for standard place position. A seal on this drawing or cover page stating this design shows 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. TPI BCS www.tpiinc.org WTC www.stcindustry.com



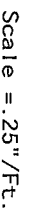
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TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCSR9114 14092047
BC LL	0.0 PSF	HC-ENG	KD/MPF
TOT LD	37.0 PSF	SEQN-	29775
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1V57487_Z02

Special loads  
Dur Fac = 1.25 / Plate Dur Fac = 1.25  
TC- From 28 pif at 0.00 to 28 pif at 10.00  
TC- From 28 pif at 10.00 to 28 pif at 20.00  
TC- From 28 pif at 20.00 to 28 pif at 32.83  
TC- From 28 pif at 32.83 to 56 pif at 41.33  
BC- From 10 pif at 0.00 to 10 pif at 14.00  
BC- From 10 pif at 14.00 to 10 pif at 28.00  
BC- From 10 pif at 28.00 to 10 pif at 32.83  
BC- From 20 pif at 32.83 to 20 pif at 41.33  
TC- 167 93 lb Conc Load at 1 06, 3 06, 5 06, 7 06  
9 06, 11 06, 13 06, 15 06, 17 06, 19 06, 20 77, 22 77, 24 77  
TC- 231 53 lb Conc Load at 32.80  
BC- 126 32 lb Conc Load at 1 06, 3 06, 5 06, 7 06  
9 06, 11 06, 13 06, 15 06, 17 06, 19 06, 20 77, 22 77, 24 77  
BC- 453 90 lb Conc Load at 32.80  
Calculated horizontal deflection is 0.12 due to live load and 0.15" due to dead load  
(a) Continuous lateral restraint equally spaced on member  
In lieu of structural panels use purlins to brace all flat TC @ 24 OC  
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

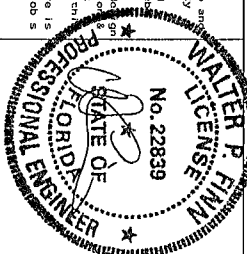
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

BC- 477 04 1b Conc Load at 17 97



general notes page 17W BCG [www.tbwbg.com](http://www.tbwbg.com) TP1 [www.tpinst.org](http://www.tpinst.org) WTCA [www.socindustry.com](http://www.socindustry.com)  
ICC [www.iccsafe.org](http://www.iccsafe.org)



TC LL	20.0 PSF	REF	R9114- 82587
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HGUSR9114 14092048
BC LL	0.0 PSF	HC-ENG	KD/WJPF
TOT LD.	37 0 PSF	SEQN-	29776
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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

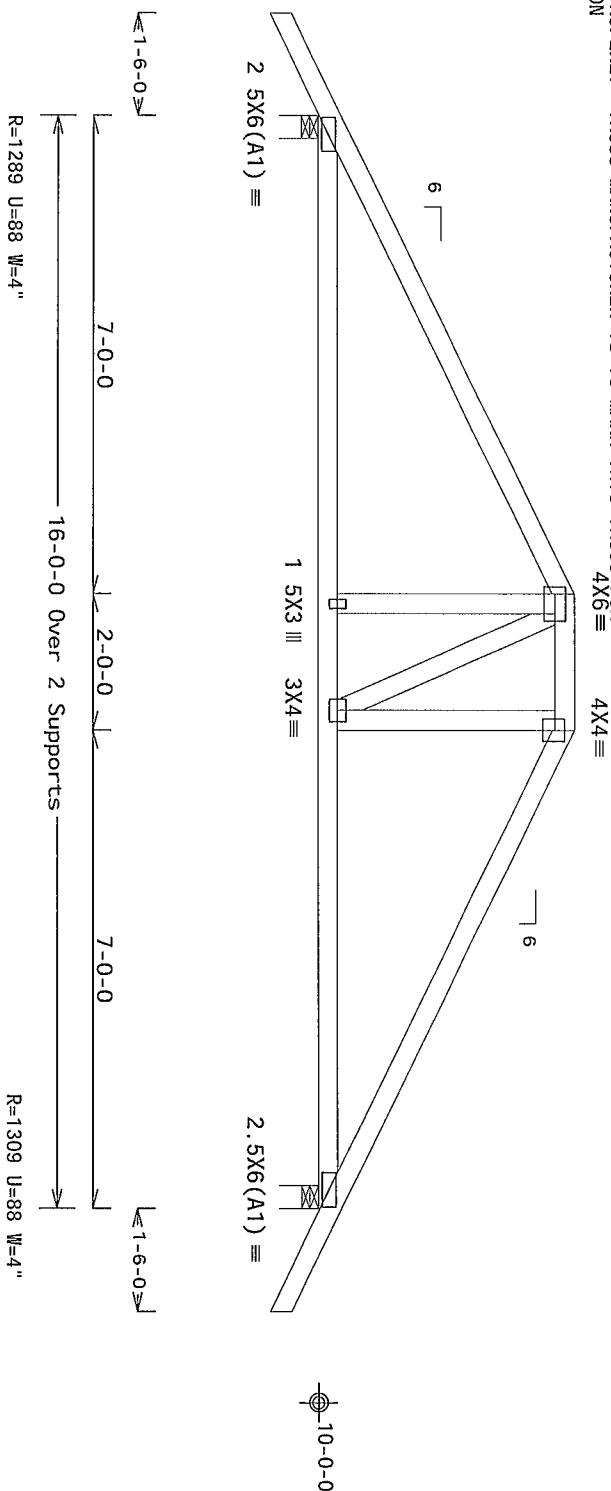
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1 (+/-)=0 18

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 increases  
factor for dead load is 1.50

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



Special loads			
-----Lumber	Dur Fac =1 25 /	Plate Dur Fac=1 25)	
TC- From	56 pif at -1 50 to	56 pif at 7 00	
TC- From	56 pif at 7 00 to	56 pif at 9 00	
TC- From	56 pif at 9 00 to	56 pif at 17 50	
BC- From	4 pif at -1 50 to	4 pif at 0 00	
BC- From	20 pif at 0 00 to	20 pif at 7 06	
BC- From	10 pif at 7 06 to	10 pif at 8 97	
BC- From	20 pif at 8 97 to	20 pif at 16 00	
BC- From	4 pif at 16 00 to	4 pif at 17 50	
TC- 250 81	lb Conc Load at	7 06	
TC- 231 53	lb Conc Load at	8 97	
BC- 289 86	lb Conc Load at	7 06	
BC- 453 90	lb Conc Load at	8 97	
Bottom chord checked for 10 00 psf non-concurrent live load			

PLT TYP. Wave

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

12.03.04 0226 14

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

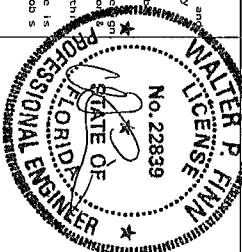
Scale = .375"/Ft.

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

# APPENDIX

ITW Building Components Group Inc

Orlando FL, 32837  
FL COA #0278



TC LL	20.0 PSF	REF	R9114 - 82588
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCUSR9114 140920-49
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD	37.0 PSF	SEQN-	29777
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

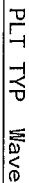
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

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

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



12.03.04

Scale = .1875"/Ft.

AL

REF R9114- 82589

7-10-68

DATE 04/02/14

No. 22839

ДРМ НЧНБДР14 140930Е

✱

# THE END OF THE LINE

STATE OF

INC-LING IND/ENI 1

FLORIDA

SEQN- 29149

Secure is

**06-08**

IRREF- 1V57487 702

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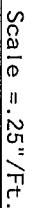
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI (+/-)=0 18

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

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

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



ITW Building Components Group Inc

Orlando FL, 32837  
FL COA #0 278

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

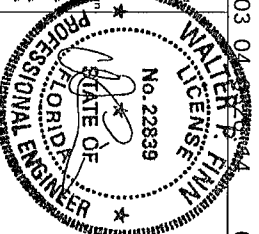
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenasons require extreme care in fabricating handling and bracing and shall follow the latest edition of BCIS Building Component Safety Information by TPI and WTCAs safety practices prior to performing these functions. Installers shall provide temporary bracing per BCIS Unions noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached girt or ceiling.

Unions shall be installed per BCIS section B3 B7 or B10 as applicable.

1TW Building Components Group Inc (TMBOS) shall not be responsible for any deviation from this design due to failure to build it as shown in conformance with ANSI/TPI 1 or for handling shipping installation or storage of components. Refer to drawings for details of connection and assembly. The joint between drawing and cover panel is at the top drawing corner and covers edge of professional engineering responsibility solely for the design shown. The tab title and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information on see This job's general notes page. 1TW BCOS www.tbos.com TPI www.tpi.net org WTCAs www.sbcindustry.com

ICC www.icc.org



~~04/02/2014~~

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

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

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

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

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

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

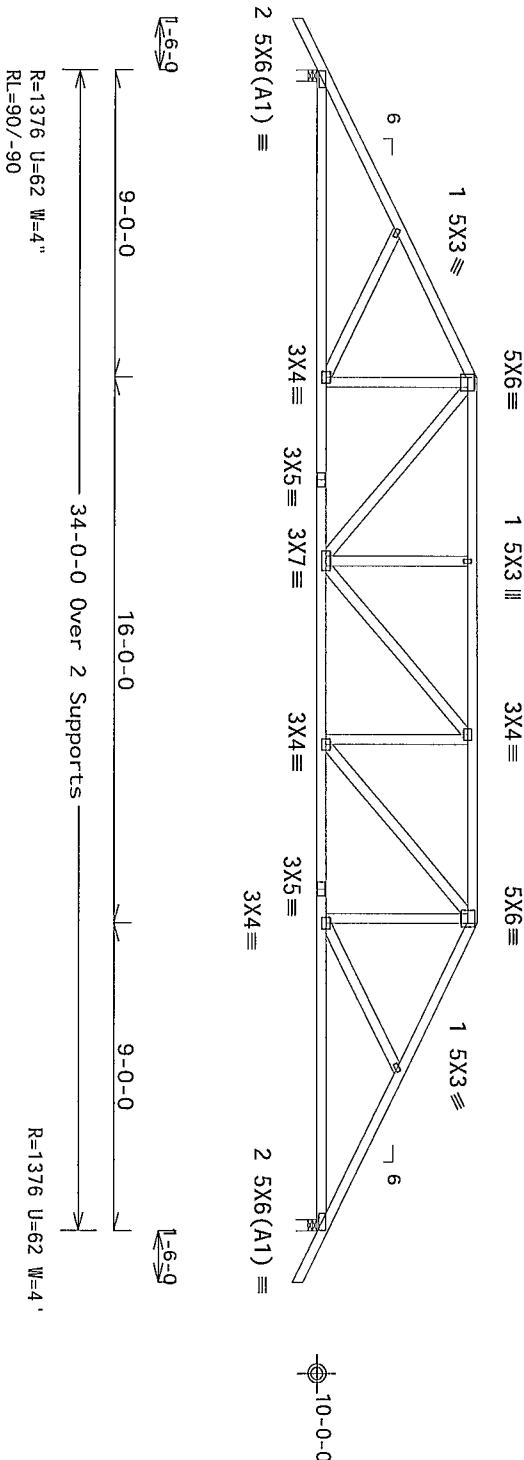
MMFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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



PLT TYP. Wave

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

12.03.04

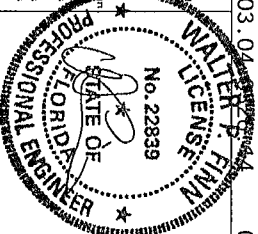
QTY: 1 FL/-/5/-/-/R/-

Scale = .1875"/Ft.

ALPINE

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

**\*\*IMPORTANT\*\*** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter girding. 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. The responsibility of the Building Designer shall be to ensure that the design is followed as shown above and on the joint on the details unless noted otherwise. Refer to section 1604.2 of the International Building Code (IBC) for details on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see This Job's general notes page ITW-BCSI www.itwbcg.com TPI www.tpinet.org WTC www.sbcindustry.com IBC www.ircb.org



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82591
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HGUSR9114 14092052
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD.	37.0 PSF	SEQN-	29751
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1V57487_202

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

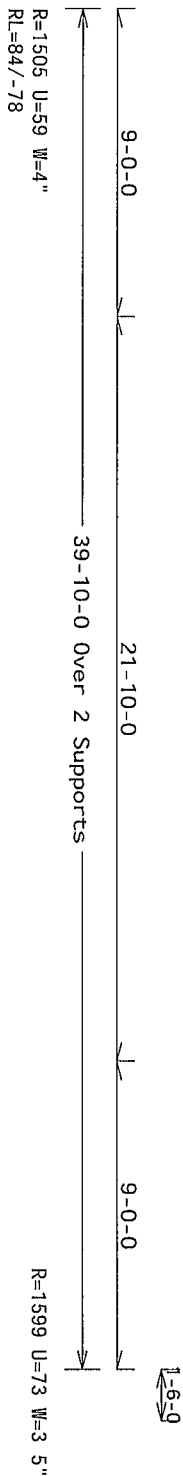
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1 (+/-)=0 18

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

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

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

factor for dead load is 1.50



Scale = .1875"/Ft

REF R9114- 82592

3.04  
WALTER P. FINN  
LICENSE  
No. 22839  
STATE OF

Orlando FL, 32837  
FL COA #0278

JREF- 1V57487\_Z02

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

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

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

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

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

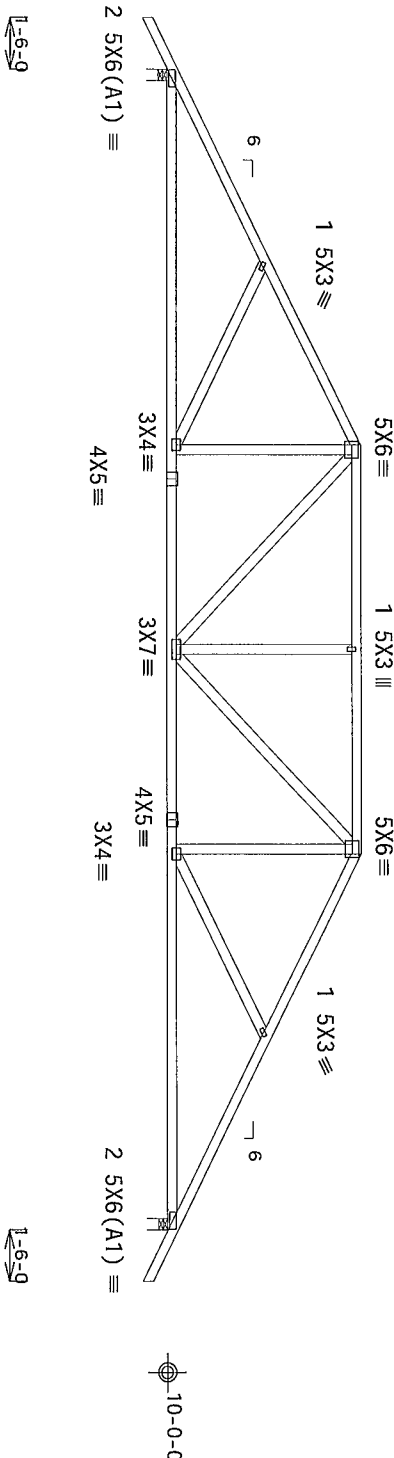
MMFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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



R=1376 U=61 W=4"  
RL=105/-105

R=1376 U=61 W=4"

PLT TYP Wave

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

12.03.04

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

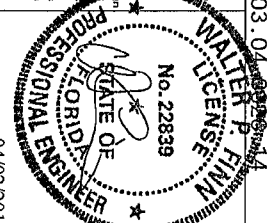
Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and  
follow the latest edition of BCSI (Building Components Safety) Information by TPI and WTC for safety  
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI  
Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord  
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of 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/TP1 1 or for handling, shipping, installation  
and bracing of the truss. The user of this design shall be responsible for the safety of the structure.  
Decide its use and apply proper bracing. Refer to BCSI sections B3, B7 or B10 for more information.  
drawing or cover page listing the design and use of this design for any structure is  
the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see  
the general notes page ITW-BCG www.itwbcg.com TPI www.tpinet.org WTC www.stcindustry.com  
IDC www.idcware.org



TC LL	20.0 PSF	REF	R9114- 82593
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HGUSR9114 14092054
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD.	37.0 PSF	SEQN-	29753
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

04/02/2014

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

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

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

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

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

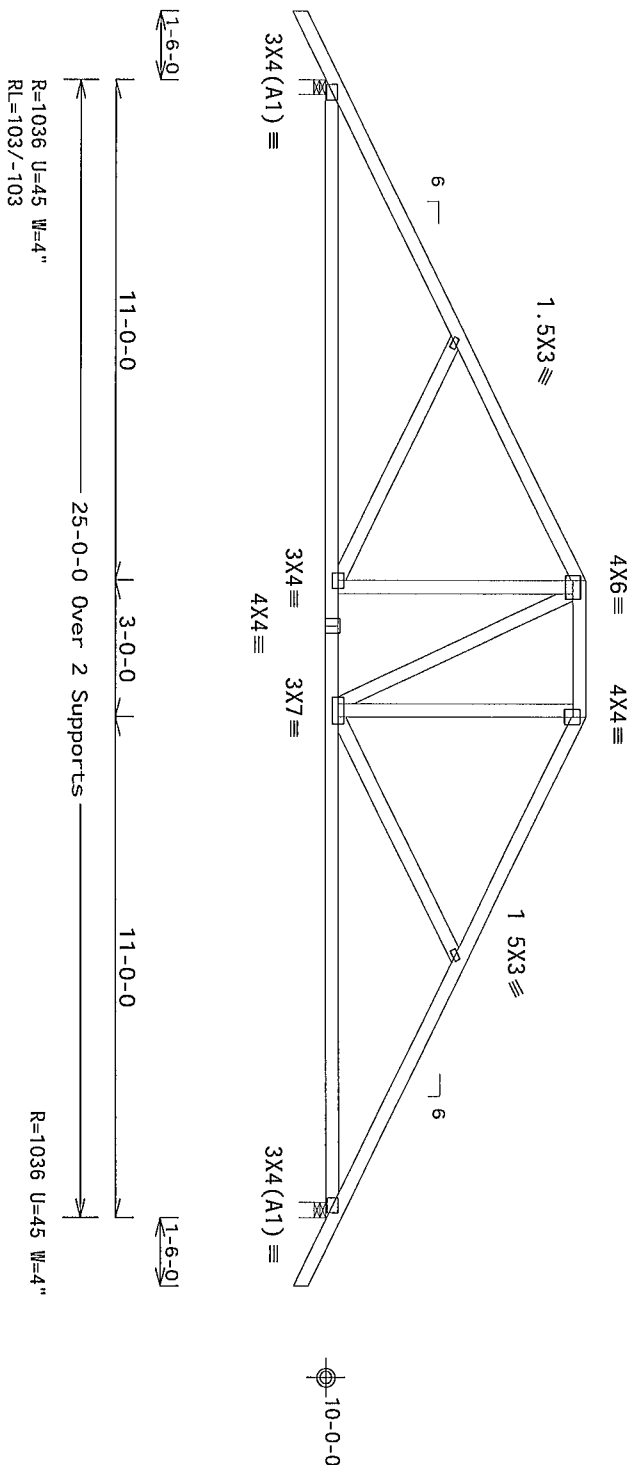
MMFRS loads based on trusses located at least 7 50 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf,  
wind BC DL=5 0 psf GCPI(+/-)=0 18

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

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

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



PLT TYP. Wave

Design Crit: FBC2010Res/TP1 2007(STD)

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

12.03.04.02.04.04

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

Scale = .25"/Ft.

ALPINE

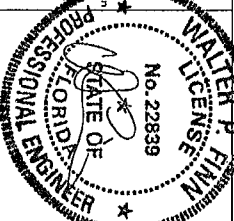
ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

\*\*IMPORTANT\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET.

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 TP1 and WTC1 for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a proper install per BCSI Section B3 B7 or B10 as applicable. Do not alter or modify any of the building components. Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and/or installation. The responsibility of the Building Designer per ABS/TP1 Sec 2 For more information see this Job's General notes page ITW-BCG www.itwbcg.com TP1 www.tp1net.org WTC1 www.sbcindustry.com

General notes page ITW-BCG www.itwbcg.com TP1 www.tp1net.org WTC1 www.sbcindustry.com



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82594
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HGUSR9114 14092055
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD.	37.0 PSF	SEQN-	29754
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

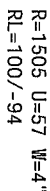
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

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

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



R=1599 U=71 W=3.5"

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

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

12.03.04 08:26:14

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

Scale = .1875"/Ft.

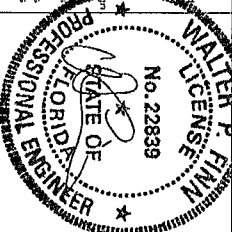
**\*\*IMPORTANT\*\***  
**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses requiring erection care in fabricating, handling, air lifting, installing, and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information on by TPI and WIDA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, no 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 specified per BCSI sections 83, 87 or 810 as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278



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

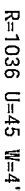
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI (+/-)=0 18

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

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

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



Scale = .25"/Ft.

Orlando FL, 32837  
FL COA #0278

A circular professional engineer seal for the State of Florida. The outer ring contains the text "FLORIDA PROFESSIONAL ENGINEER" at the top and "WALTER J. FYNN" at the bottom. The inner circle contains the text "STATE OF FLORIDA" at the top, "LICENSE" at the bottom, and "No. 22839" in the center. A signature is written across the seal.

~~04/02/2014~~

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

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

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

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

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

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

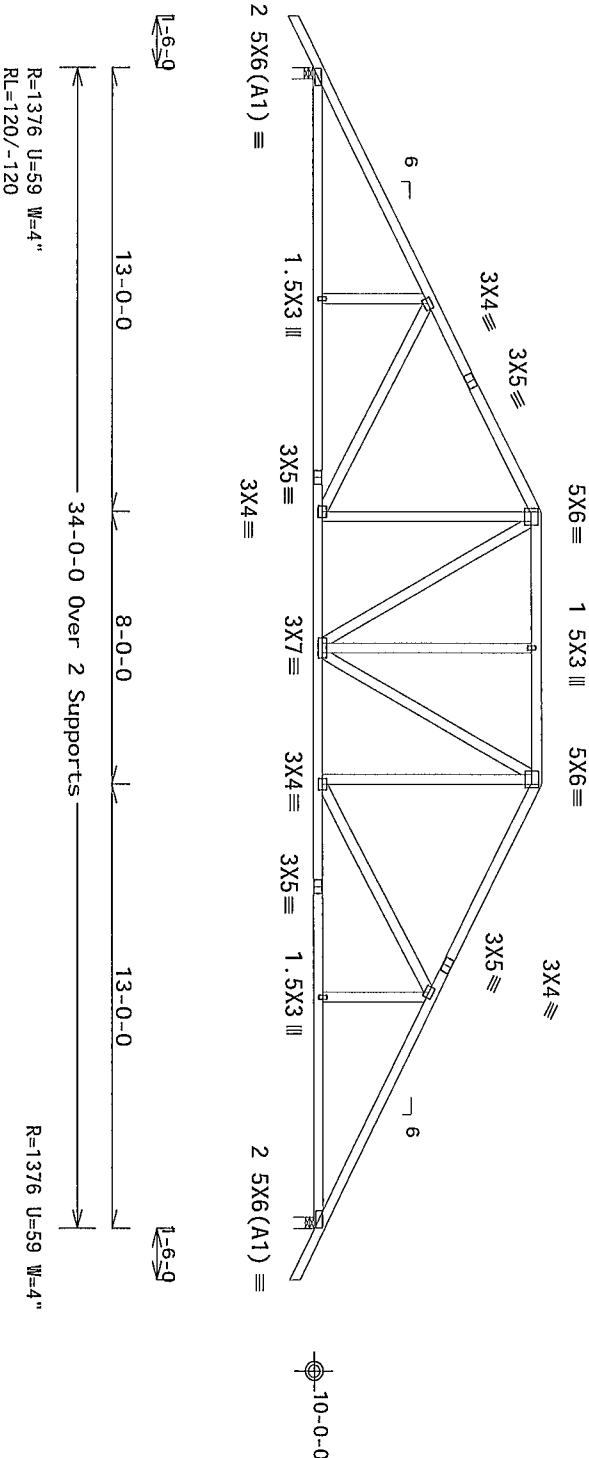
MMFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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

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



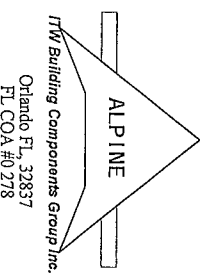
PLT TYP. Wave

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

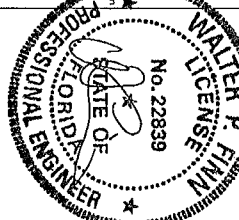
12.03.04.0000.14

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

Scale = .1875"/Ft.



**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached purlins. All connections shall be shown for permanent lateral restraint of web. All trusses shall have bracing installed per BCSI Section B3.07 or B10 as applicable.  
RTW Building Components Group Inc. (TPI/BCSI) shall not be responsible for any deviation from this design and shall not be responsible for any damage to property or injury to persons resulting from the use of this design. Details of trusses shall be shown on drawings. Refer to drawings 160A-Z for standard plate positions. A seal on the drawing or cover page listing this drawing indicates acceptance of professional engineering and the responsibility of the building designer per ASCE/TP1 Section 2. For more information see the BCSI website: www.bcsi.org  
ICD www.icd-safe.org



TC LL	20.0 PSF	REF	R9114- 82597
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HGUR9114 14092058
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD	37.0 PSF	SEQN-	29757
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1V57487_Z02

04/02/2014



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

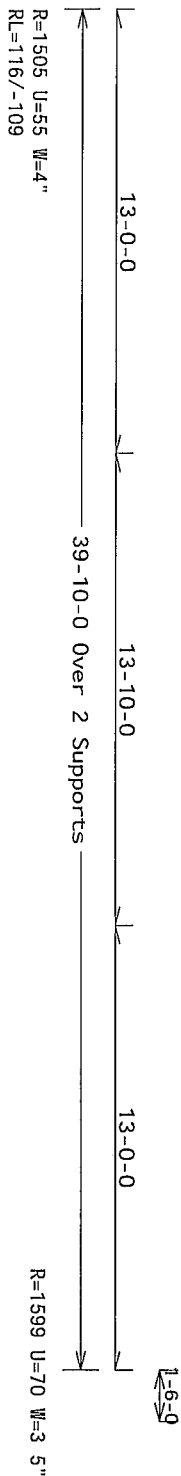
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1(+/-)=0 18

Wind loads and reactions based on 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 increases factor for dead load is 1.50

Deflection meets  $L/240$  live factor for dead load is 1 50



Scale = .1875"/Ft.

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

REF R9714- 82598

DATE 04/02/14

DRW HCUSR9114 1409205

HC-ENG KD/WPF

SEQN-	29758
-------	-------

11 DEC 1967 1407 703

ORF- 1V3/401\_202

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1(+/-)=0 18

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

MC member

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

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



Scale = .1875"/Ft.

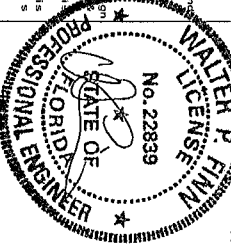
ITW Building Components Group Inc.

**\*\*\*IMPORTANT\*\*\*** **WARNING\*\*** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**  
**FORNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**  
 Trustees require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCOSI. Bracing Component Safety Information by TPI and WITCA for safety practices not or to performing these functions. Installers shall provide temporary bracing per BCOSI which is noted above. The top chord shall have properly attached structural sheath and bottom chord shall have bracing installed per BCOSI sections B3, B7 or B10 as applicable. Refer to and follow the latest version of WITCA.

TPI Bracing Components Group, Inc. (TIBGOS) shall not be responsible for any deviation from this design. The design is intended to be used as a guide only. The design is not intended to be used as a basis for the design of any structure. Apply plates to each piece of structural steel in accordance with the design. A meeting shall be held with the design engineer, TPI, and the contractor to discuss the design and the installation of the structure. The design is intended to be used as a guide only. The design is not intended to be used as a basis for the design of any structure. Apply plates to each piece of structural steel in accordance with the design. A meeting shall be held with the design engineer, TPI, and the contractor to discuss the design and the installation of the structure.

responsibility solely for the design of the structure. The design is intended to be used as a guide only. The design is not intended to be used as a basis for the design of any structure. Apply plates to each piece of structural steel in accordance with the design. A meeting shall be held with the design engineer, TPI, and the contractor to discuss the design and the installation of the structure.

general notes page TPI-BCOSI www.tibgosi.com TPI www.tpi.net WITCA www.witcaindustry.com  
 www.tibgosi.com www.tibgosi.com www.tibgosi.com www.tibgosi.com



~~04/02/2014~~

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

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

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

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

Wind loads and reactions based on MMFRS

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

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

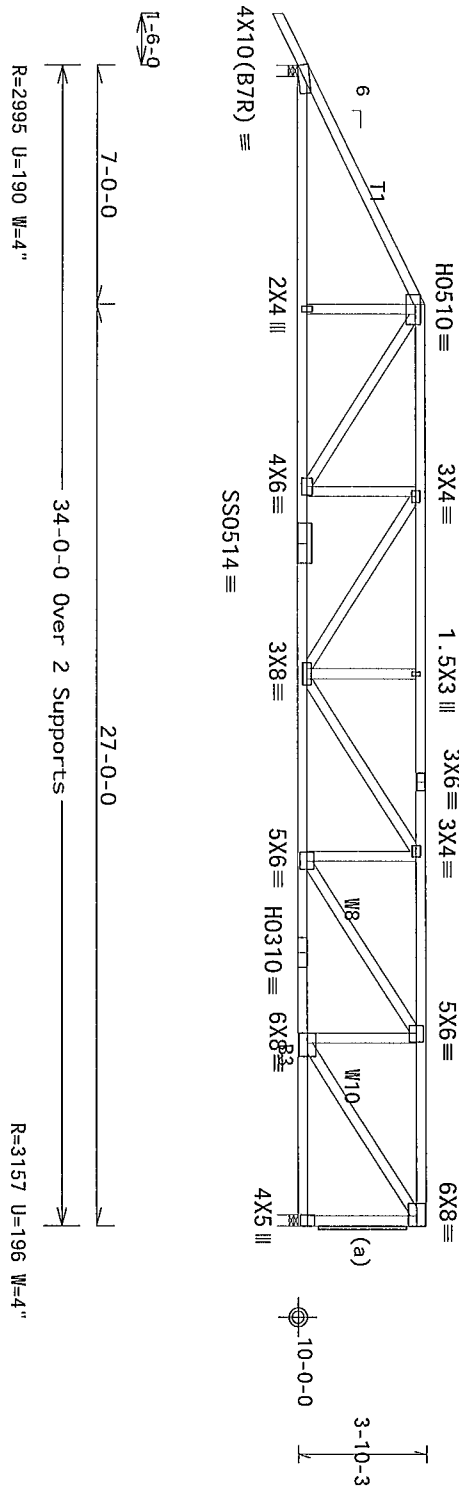
Deflection meets L/240 live and L/180 total load Creep increase  
factor for dead load is 1 50

Special loads

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

Right end vertical not exposed to wind pressure

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



PLT TYP 20 Gauge HS, 18 Gauge HS, Design Crit. FBC2010Res/TP1-2007 (STD)  
Wave FT/RT=10%(0%)/0(0)

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

**ALPINE**

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

**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information by TP1 and WCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformity with ANSI/TPI-1 or as shown above and on the joint. Data is unless noted otherwise. Refer to drawings 180A-Z for standard plate positions. A seal on the response by a solely for the design shown and does not constitute an engineering or architectural seal. This job is the property of ITWBCG. All rights reserved. TP1 www.spinec.org WCA www.secdirect.com  
ICC www.icsafe.org

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

TC LL	20.0 PSF	REF	R9114- 82600
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCSR9114 14092061
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD.	37.0 PSF	SEQN-	29778
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1V57487_Z02

04/02/2014

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

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1 (+/-)=0 18

Wind loads and reactions based on MWFRS

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

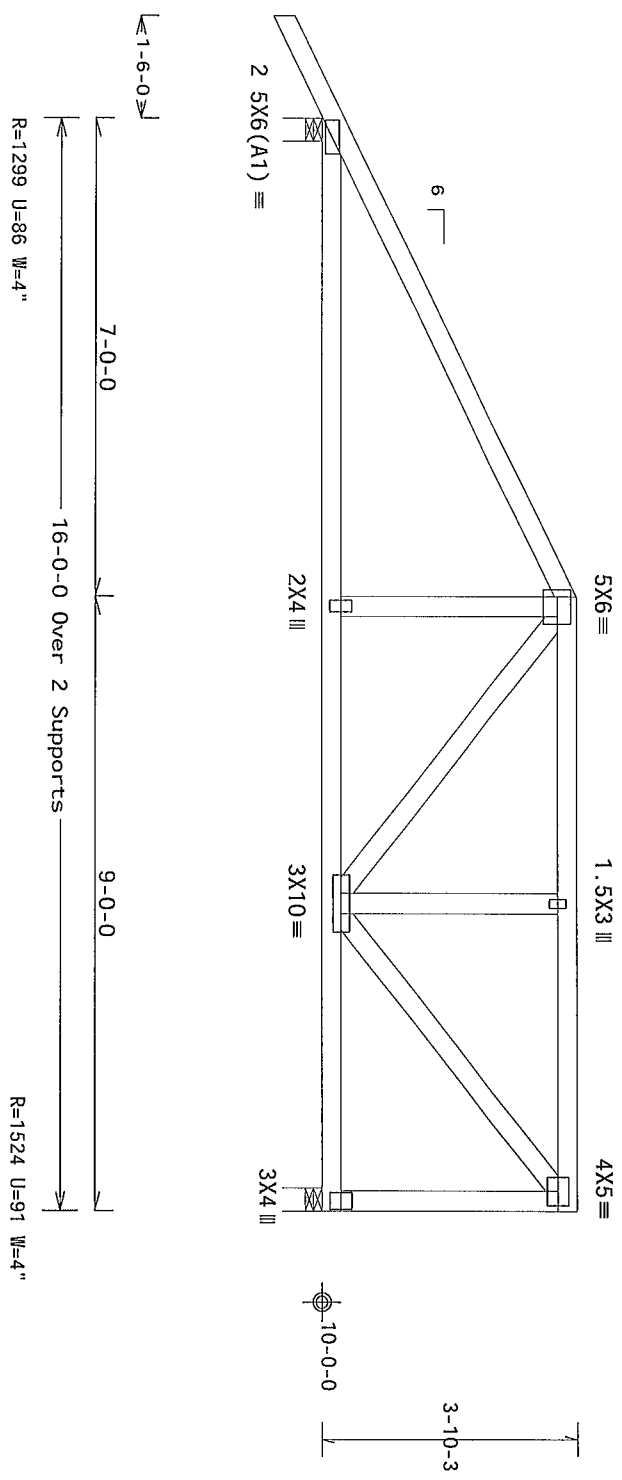
Deflection meets L/240 live and L/180 total load Creep increases factor for dead load is 1.50

```

Special loads
-----
(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC-From 56 p1f at -1 50 to 56 p1f at 7 00
TC-From 28 p1f at 7 00 to 28 p1f at 16 00
BC-From 4 p1f at -1 50 to 4 p1f at 0 00
BC-From 20 p1f at 0 00 to 20 p1f at 7 03
BC-From 10 p1f at 7 03 to 10 p1f at 16 00
TC-From 231 53 lb Conc Load at 7 03
TC-167 93 lb Conc Load at 8 94,10 94,12 94,14 94
BC-453 90 lb Conc Load at 7 03
BC-126 32 lb Conc Load at 8 94,10 94,12 94,14 94

Right end vertical not exposed to wind pressure

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



PLT TYP. Wave

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

12.03.04

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

Scale = .375"/Ft.

# ALPINE

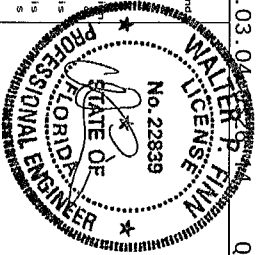
ITW Building Components Group Inc

Orlando FL, 32837  
FL COA #0278

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

Those who perform these tasks are in a high calling, handling piping, steeling and bracing. Refer to and follow the latest edition of the BCS (Building Component Safety Information by TPI and WCA) for safety practices not or to perform on these functions. Installers shall provide temporary bracing per BCS1 unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or web shall have properly installed per BCS1 sections 3.37 or B10 as apply cable

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this data any failure to build the truss in conformance with ANSI/TPI 1 or for handling/shipping/installation/breeding of trusses. Apply plates to each face of truss and position as shown above on the Joint. Note: It is the responsibility of the customer to ensure that the truss is installed in accordance with the design and specifications of the truss. Refer to draw Rgs 160A-2 for standard gable points on. A seal on this truss is provided for the purpose of preventing water intrusion. For more information on seal, please contact ITWBCG. The Building Designer per ANSI/TPI 1 Sec 2. For more information on seal, please contact ITWBCG. www.itwbcg.com TPI www.tpi.net.org WTCA www.stcindustry.com



TC LL	20.0 PSF	REF	R9114- 82601
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	H05N9114 14092062
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT. LD.	37.0 PSF	SEQN-	29779
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V57487 Z02

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1(+/-)=0 18

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

Right end vertical not exposed to wind pressure

Bottom chord checked for 10 00 psf non-concurrent live load  
 MWFRS loads based on trusses located at least 7 50 ft from roof edges



Orlando FL, 32837  
FL COA #0278

A circular professional engineer seal for the State of Florida. The outer ring contains the text "STATE OF FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the name "WALTER P. FINN" at the top, "LICENSE" at the bottom, and the license number "No. 22639" in the center. A stylized signature of "Walter P. Finn" is written across the seal.

04/02/2014

FL/-5/-/-/R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R9114- 82602
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HCUSE9114 14092063
BC LL	0.0 PSF	HC-ENG KD/MPP
TOT. LD.	37.0 PSF	SEQN- 29760
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_Z02

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

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

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

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

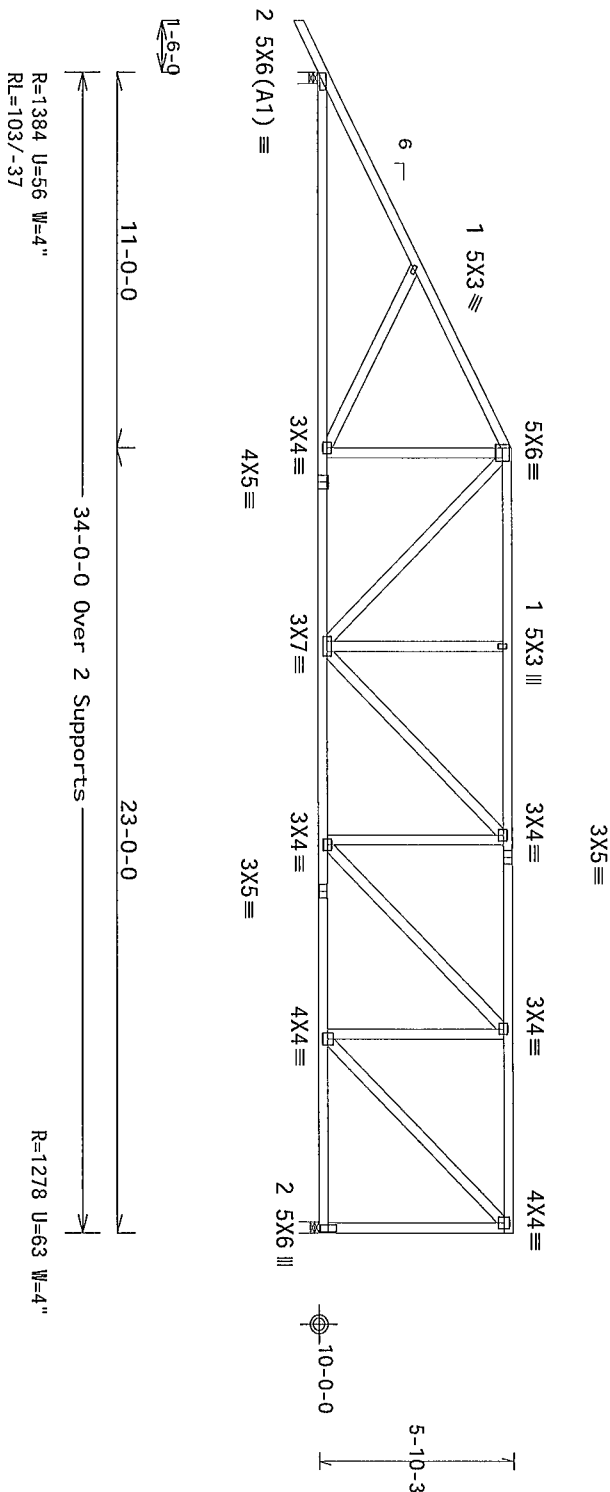
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MWFRS 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

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



PLT TYP. Wave

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

12.03.04

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

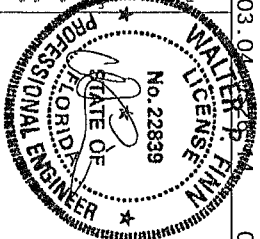
Scale = .1875"/Ft.

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

# ADMINISTRATION

ITW Building Components Group Inc

Orlando FL, 32837  
FL COA #0278



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

(14-012A--Mike Todd Construction /Hudson Residence -- Lake City, FL - MH13 34' Steepdown Hip)

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

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

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

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

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

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

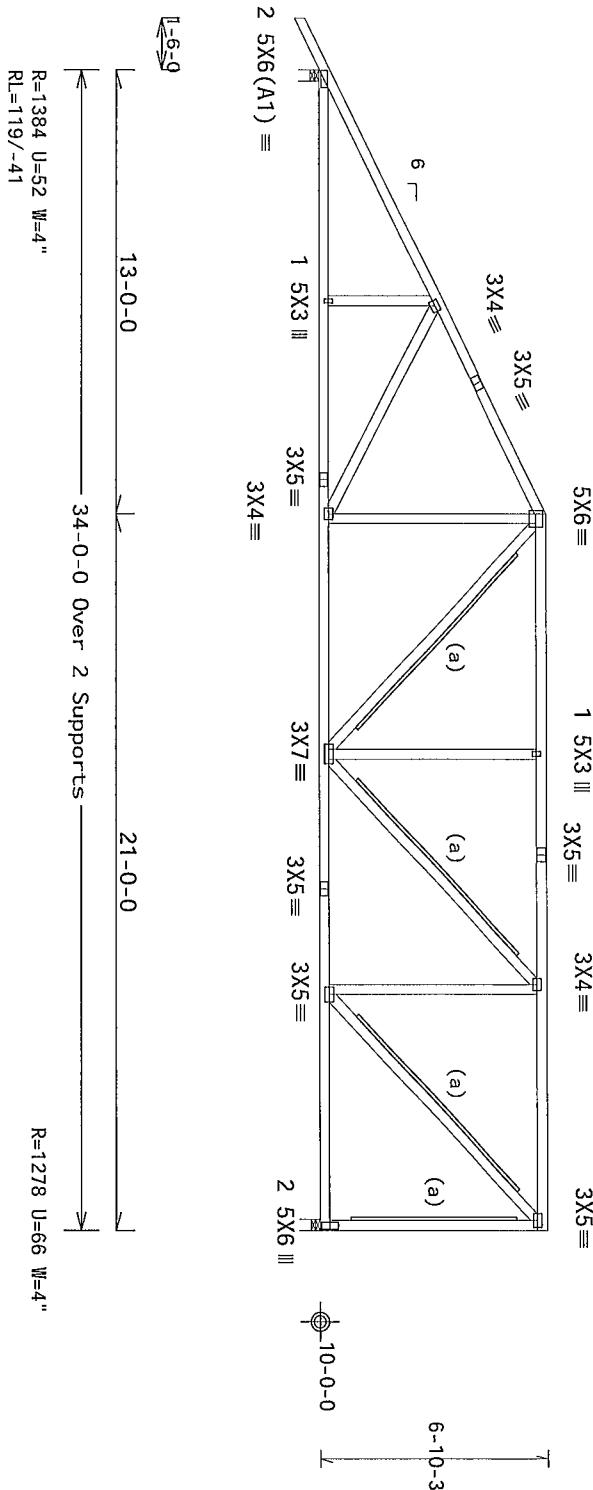
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS 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

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



PLT TYP Wave

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

12.03.04

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

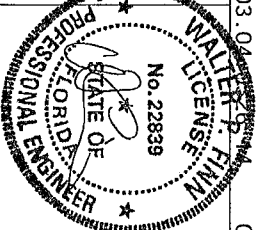
Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET!  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating shipping installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTC for safety practices or to perform these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached rigid collar for the entire length of the truss. The collar shall have bracing installed per BCSI section 83, 87 or 810 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any delays or damage to the truss due to failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping and on the job site. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page setting the design shown and acceptance of professional engineering is the responsibility of the design engineer. The suitability and use of this design for any structure is the responsibility of the design engineer per ANSI/TPI 1 Section 2. For more information on seal the seal on the drawing. ITW-BCG www.itwbcg.com TPI www.tpiinc.org WTC www.wtcindustry.com IBC www.icsafe.org



04/02/2014

TC LL	20.0 PSF	REF R9114- 82604
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HCUR9114 14092065
BC LL	0.0 PSF	HC-ENG KD/WPF
TOT. LD.	37.0 PSF	SEQN- 29762
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_Z02

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

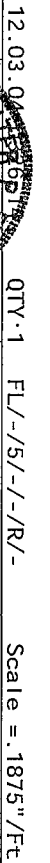
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI(+/-)=0 18

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

Right end vertical not exposed to wind pressure

00

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



TC LL	20.0 PSF	REF	R9114-82605
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03 04 1961  
0  
WALDEN FINN  
LICENSE  
No. 22839  
STATE OF  
6  
9

TC LL	20.0 PSF	REF	R91114- 82605
TC DL	7 0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HCU8R9114 1409206
BC LL	0.0 PSF	HC-ENG	KD/MPF
TOT.LD	37 0 PSF	SEQN-	29763
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487 Z02



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

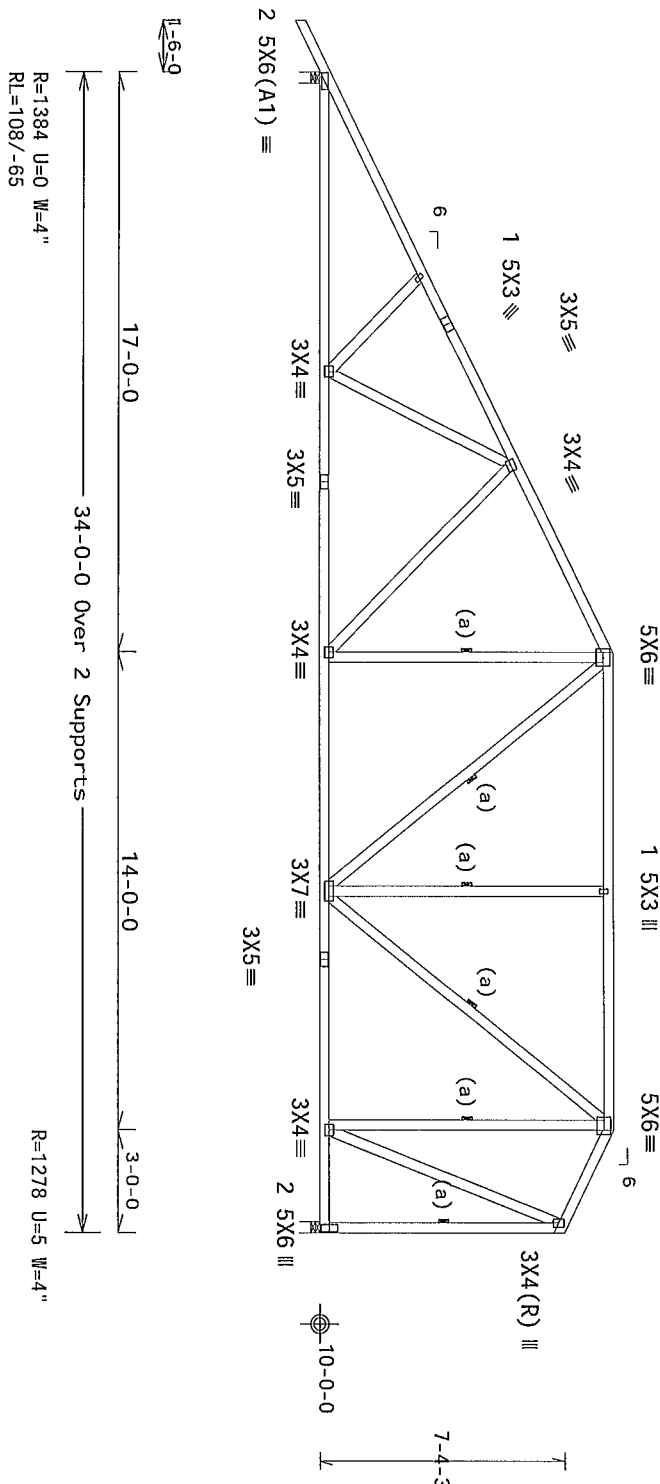
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DE=3 5 psf, wind BC DE=5 0 psf GCPI (+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

factor for dead load is 1.50



Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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QTY:1 FL/-/5/-/-/R/-

Scale = .1875"/Ft.

ALPINE

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

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

Trusses require extreme care in handling during installation and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information by TPI and WTCA for safety.

Practiced prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheath and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing of webs shall have bracing installed per BCSI sections 83, 87 or B10 as applicable.

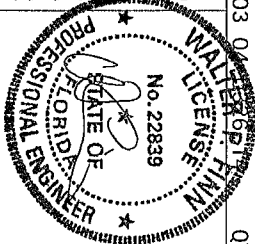
ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design.

any failure to bid the cruss n conformance w th ANSI/1p1 or for handling sh pping installation & details unless noted otherwise. Refer to drawings 160A-2 for standard plate post t ops. A seal on th s

drawing or cover page listing the drawing indicates acceptance of professional engineering response bility solely for the design shown. The suitability and use of the design for any structure s

For more information see [www.fwc.org](http://www.fwc.org)  
 The responding Designer per ANSI/TPI 1 Sec 2  
 general notes page 17B-BG [www.tpiinst.org](http://www.tpiinst.org) WTCa [www.sdcindustry.com](http://www.sdcindustry.com)

100 mm 0.1 mm 0.1 mm 0.1 mm



04/02/2014

FL/-/5/-/-/R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R9114- 82606
TC DL	7.0 PSF	DATE 04/02/14
BC DL	10.0 PSF	DRW HCUSR9114 14092067
BC LL	0.0 PSF	HC-ENG KD/WPF
TOT.LD	37 0 PSF	SEQN- 29764
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V57487_Z02

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

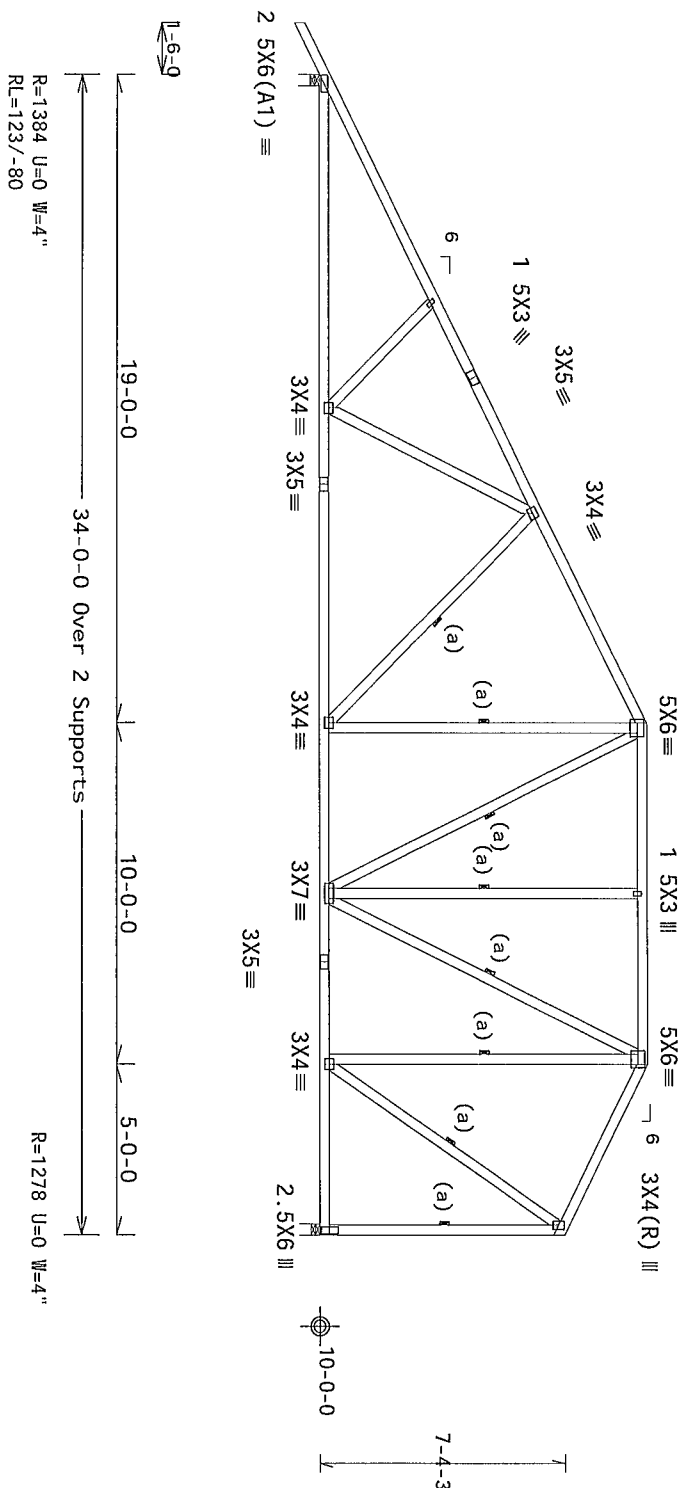
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bid, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

Right end vertical not exposed to wind pressure

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

Factor for dead load is 1.50



Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

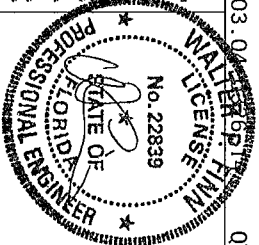
Orlando FL, 32837  
FL COA #0278

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

Publisher has DESIGNED TO ALLOW FOR ALL CONSTRUCTION INCLUDING INSTALLATIONS.

Trusses require extensive care in fabricating, handling, shipping, erecting and bracing. Refer to and follow the latest edition of BCOS (Building Component Safety Information by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCOS until a permanent bracing system is installed. Properly designed structural shoring and bottom chord bracing shall have a properly attached load rating label indicating the maximum allowable weight or loads. Trusses shall have bracing installed per BCOS sections B3, B7 or B10 as applicable.

TPI Building Components Group Inc. (TIBCOG) shall not be responsible for any design from their designs or drawings. The user assumes all responsibility for the design and application of the truss. If bracing of trusses is required, apply braces to each face of truss and post on its strong back on the joints. Details, unless noted otherwise. Refer to draw ngs TAB-2 for standard plate positions. A seal on this drawing or cover plate listing the design shop name carries 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 AISI/TPI 1 Sec 2. For more information see This Job's general notes page. TPI-BOG www.tbog.com TPI www.tpi.net WTC www.abctindustry.com UCL www.uclaire.org



04/02/2014

TC LL	20.0 PSF	REF	R9114- 82607
TC DL	7.0 PSF	DATE	04/02/14
BC DL	10.0 PSF	DRW	HOUSE114 14092068
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	37.0 PSF	SEQN-	29765
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V57487_Z02

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

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

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

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

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

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

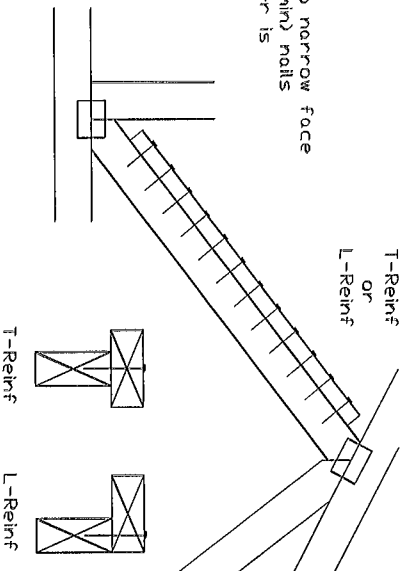
\*\*\*WARNING\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING.  
 \*\*\*IMPORTANT\*\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

A stylized logo featuring a large, bold, outlined letter 'M' on the left and a large, bold, outlined letter 'T' on the right. The 'T' is positioned slightly higher than the 'M'. Above the 'T', there are several horizontal lines, some of which are curved, resembling musical notes or a staff.

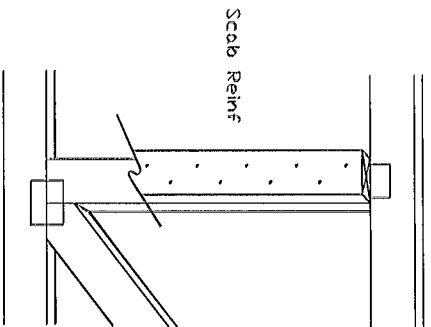
**Building Components Group Inc.**

Earth City MO 63045

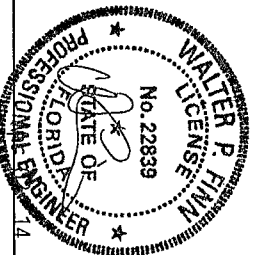
Apply to either side of web narrow face  
Attoch with 10d (0.128"x30") nails  
at 6" o.c Reinforcing member is  
a minimum 80% of web  
member length



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



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TC LL	PSF	REF	CLR Subst
TC DL	PSF	DATE	8/15/13
BC DL	PSF	DRWG	BRCB SUB0813
BC LL	PSF		
TOT LD	PSF		
DUR FAC			
SPACING			

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

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

In accordance with ANSI/TPI1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

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

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

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

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

### Recommended Truss Deflection Limits

<u>Truss Type</u>	<u>L/D</u>	<u>Deflection Limits</u>	<u>Total Load</u>
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)
-----			
<u>Truss Type</u>	<u>Recommended Camber</u>		
Pitched Trusses	1/100 x Deflection from Actual Dead Load		
Sloping Parallel Chord Trusses	1/5 x Vertical Deflection from Actual Dead Load		
Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load		
Flat Roof Trusses	(0.25 x Deflection from Live Load) + (1/5 x Design Dead Load Deflection)		
Note The actual dead load may be considerably less than the design dead load			

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



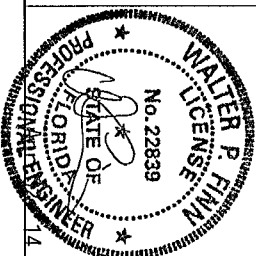
Building Components Group Inc

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 BESS (Building Component Safety Information, by TPI and S360) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BESS. 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 resistant of webs shall have bracing installed per BESS sections 33, 37 or 316, as applicable. Apply plates to each face of a truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 1504-Z for standard plate positions.

11/4 Building Care trusts Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the trust in conformance with ANSI/FPI 1, or for handling, shipping, installation & handling of trusses. A seal on this drawing or cover page listing the drawing designer's acceptance of the drawing is required. The drawing designer is responsible for the accuracy of the drawing and the drawing for any structure is the responsibility of the Building Designer per ANSI/FPI 1 Sect. 1.1. No other information see this job's General notes page and these web sites:  
 11/4BEG www.114began.com 731 www.114began.org SECCA www.secca.org/industry/icc ICC www.iccsafe.org



04/02/2014