

(82988B- /KIRCHENSTINER RESIDENCE /EDGEY CONSTRUCTION -- LAKE CITY, FL - A3)

Top chord 2x4 SP 2400f-2.0E T2, T3 2x6 SP 2400f-2.0E.
Bot chord 2x8 SP M-31 B3 2x4 SP 2400f-2.0E.
Webs 2x4 SP 2400f-2.0E

Calculated horizontal deflection is 0.13" due to live load and 0.22" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

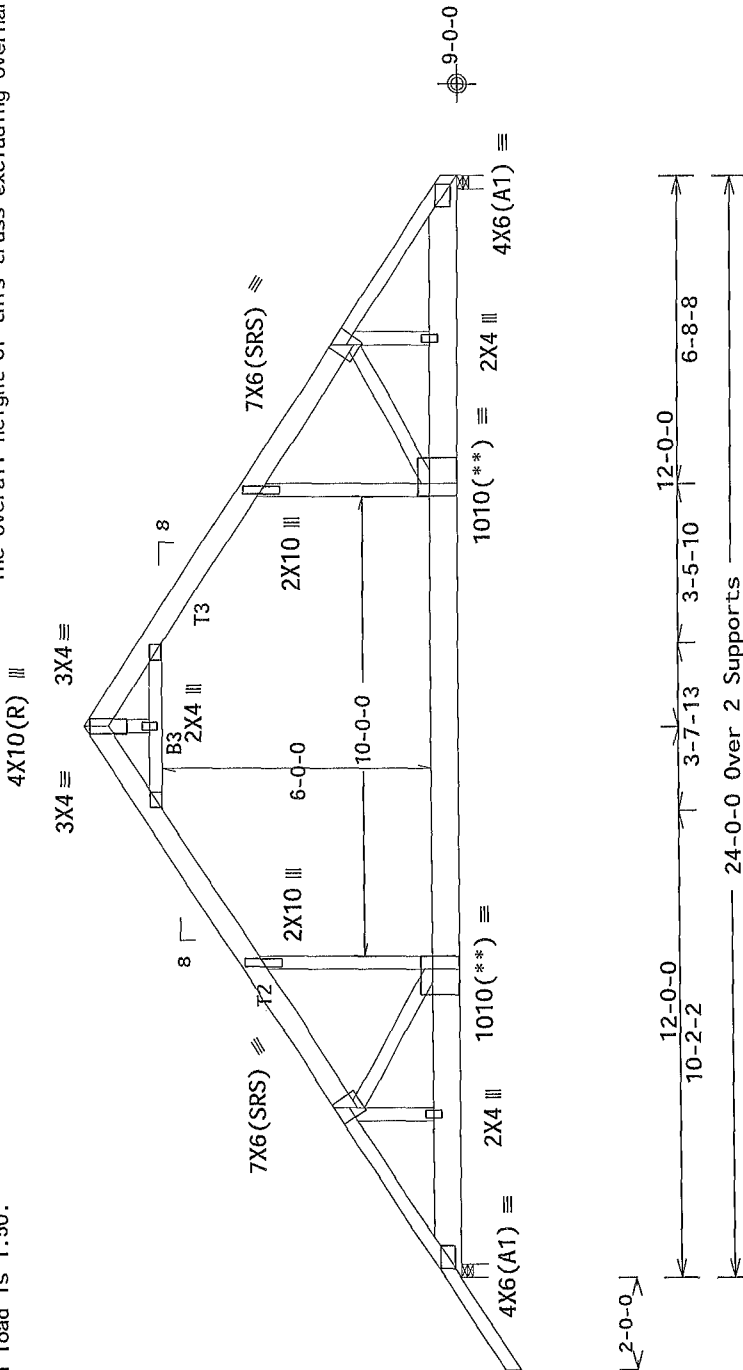
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

BC attic room floor loading LL = 40.00 psf, DL = 10 00 psf; from 7-0-0 to 17-0-0.

The overall height of this truss excluding overhang is 8-4-7.



R=1633 U=19 W=3.5" (3.5" min)

R=1776 U=37 W=3.5" (3 5" min.)
RL=167/-180

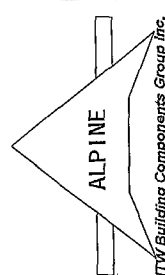
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

QTY 1

FL/-1/-1/-R/-

Scale =.25"/Ft.

 ALPINE rWBuilding 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 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the design of BCSI (Building Component Safety) Information on by TPI and MTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation or bracing of trusses. Apply plates to each face of trusses and position as shown and in accordance with details unless noted otherwise. This design is for informational purposes only. A seal on this design indicates acceptance of professional engineering. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This job's general notes page ITW-BCG www.itwbcg.com TPI www.tpiinc.org MTCA www.mtcaindustry.com 10/28/2013		TC LL	20.0 PSF	REF	R215--	27444
			TC DL	10.0 PSF	DATE	10/25/13	
			BC DL	10.0 PSF	DRW	HCUSR215	13298032
			BC LL	0.0 PSF	HC-ENG	KD/AP	
			TOT.LD.	40.0 PSF	SEQN-	382722	
			DUR.FAC.	1.25	FROM	CDM	
		SPACING	24.0"	JREF-	1VOS215_Z01		

(8298BB-/KIRCHENSTINER RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - A4)

Top chord 2x4 SP 2400f-2.0E T2, T3 2x6 SP 2400f-2.0E
Bot chord 2x8 SP M-31 B3 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCp(+/-)=0.18

Calculated horizontal deflection is 0.13" due to live load and 0.23" due to dead load.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf, from 7-0-0 to 17-0-0.

The overall height of this truss excluding overhang is 8-4-7.

Design Dead Loads based on material weight adjusted for slope. TC 1.00 PSF

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

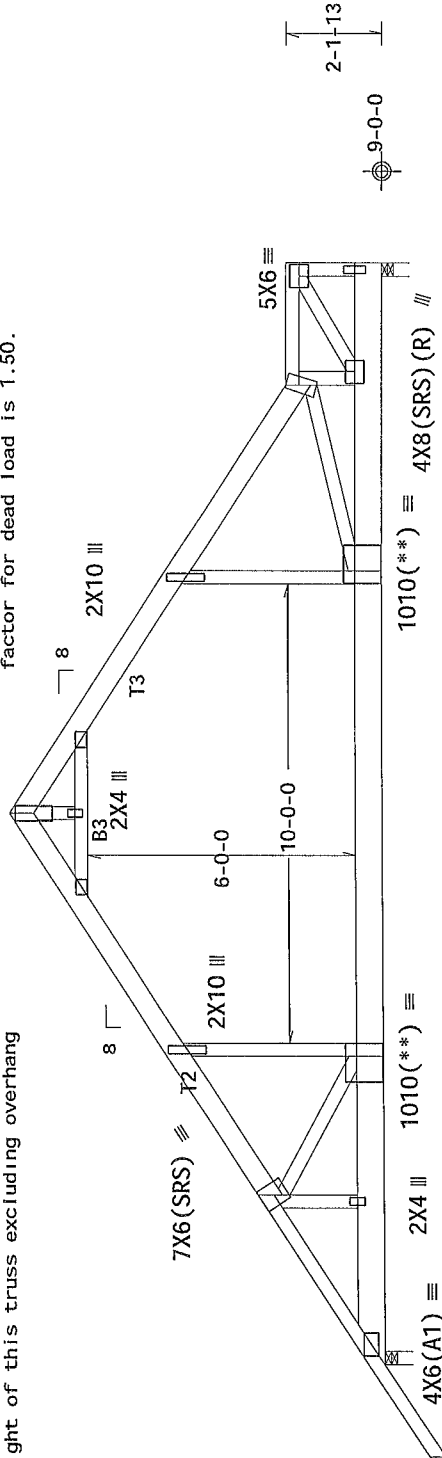
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



2-0-0

12-0-0
10-2-2
3-7-13
9-4-0
3-5-10
2-8-0
6-8-8
24-0-0 Over 2 Supports

R=1789 U=36 W=3.5" (3.5" min)
RL=156/-157
R=1627 U=26 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

12.03.03

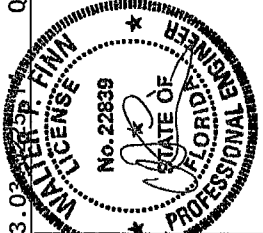
QTY 1

Scale = .25"/Ft.

ALPINE

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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in accordance with this design shall be the responsibility of the installer. Details, unless noted otherwise, shall be in accordance with each face of truss and position as shown above and on the Joist drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page. ITW-B001 www.itwinc.com, TPI www.tpinet.org WTCA www.wtca.org



TC LL	20.0 PSF	REF	R215--	27445
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298020
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT. LD.	40.0 PSF	SEQN-	382724	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	

10/28/2013

Top chord 2x4 SP 2400f-2.0E T2, T3 2x6 SP 2400f-2.0E
Bot chord 2x8 SP M-31 B3 2x4 SP 2400f-2.0E:
Webs 2x4 SP 2400f-2.0E

130 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=5.0 psf,
wind BC DL=5.0 psf. GCPI (+/-)=0.18

Calculated horizontal deflection is 0.13" due to live load and 0.22"
due to dead load.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00
psf, from 7-0-0 to 17-0-0.

The overall height of this truss excluding overhang
is 8-4-7.

Design Dead Loads based on material weight adjusted for slope TC
1.00 PSF

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

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

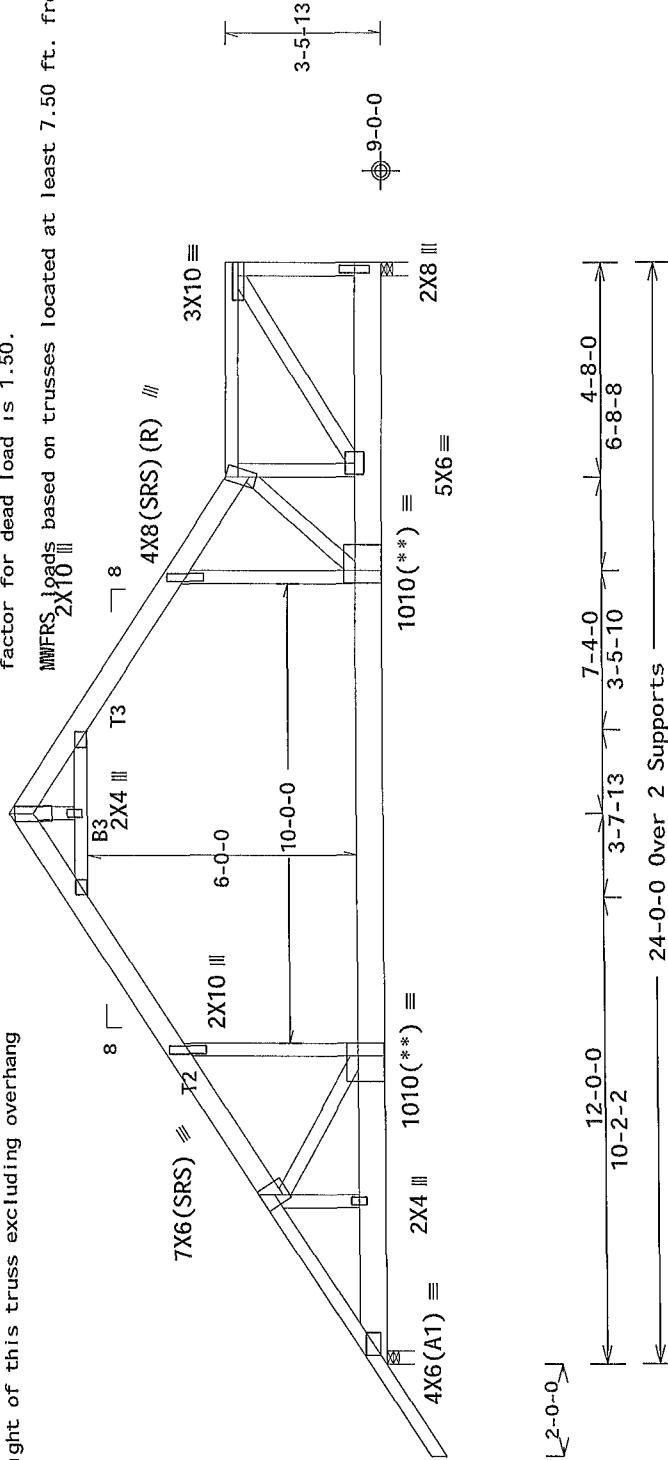
Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.

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



R=1789 U=34 W=3.5" (3.5" min.)
RL=148/-140

R=1627 U=32 W=3.5" (3.5" min.)

Design Crit. FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

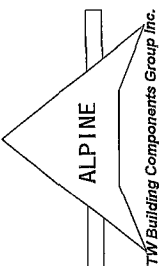
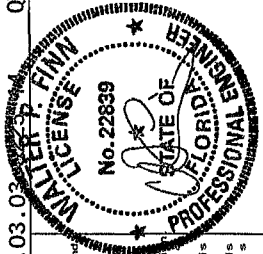
PLT TYP. Wave

12.03.03

QTY. 1

FL/-/1/-/-/R/-

Scale = .25"/Ft.

 ITW Building Components Group Inc. Orlando FL, 32837 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! **IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of wind shall have bracing installed per BCSI sections B5, 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 conformance with ANSI/TPI 1 or for installing the truss in a manner not shown above and on the joint. The responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see this job's general notes page. ITW-BCG www.tbog.com, TPI www.tpinet.org, WTCA www.wtcaindustry.com ICC www.iccsafe.org		REF	R215--	27446
			TC LL	20.0	PSF
			TC DL	10.0	PSF
			BC DL	10.0	PSF
			BC LL	0.0	PSF
			TOT. LD.	40.0	PSF
			DUR. FAC.	1.25	
			SPACING	24.0"	
			JREF-	1V0S215_Z01	
		10/28/2013			

Top chord 2x6 SP M-31 T1 2x4 SP 2400f-2.0E:
T4 2x4 SP M-31
Bot chord 2x8 SP M-31 B3 2x4 SP 2400f-2.0E.
Webs 2x4 SP 2400f-2.0E

130 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=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Calculated horizontal deflection is 0.11" due to live load and 0.20" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Deflection meets L/360 live and L/240 total load Creep increase factor for dead load is 1.50.

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

Design Dead Loads based on material weight adjusted for slope TC 1.00 PSF
(I) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

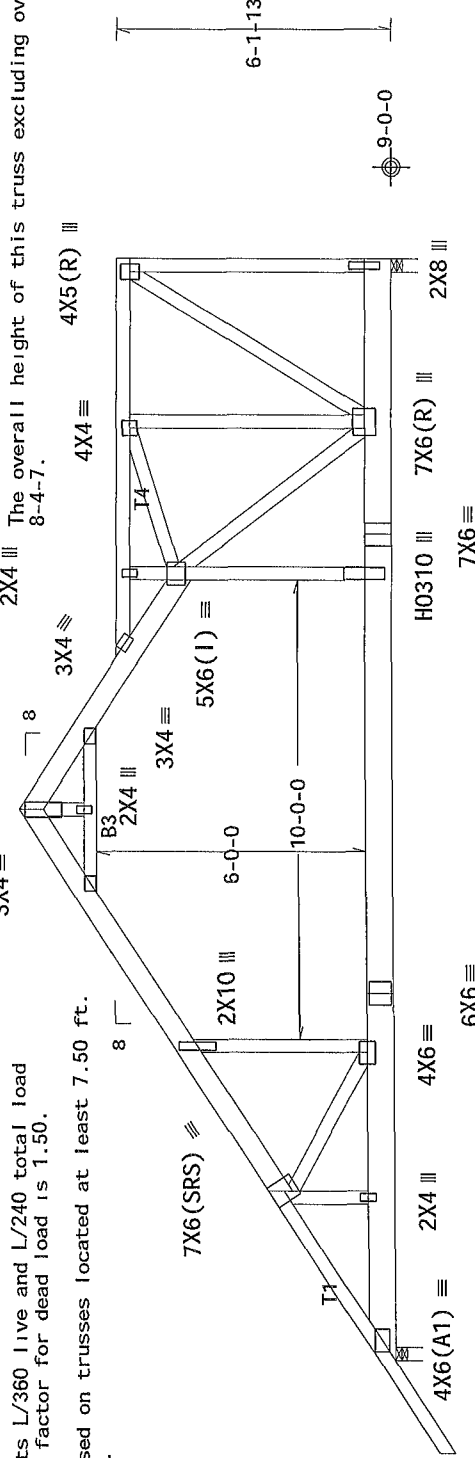
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

BC attic room floor loading LL = 40.00 psf; DL = 10.00 psf; from 7-0-0 to 17-0-0

2X4 The overall height of this truss excluding overhang is 8-4-7.



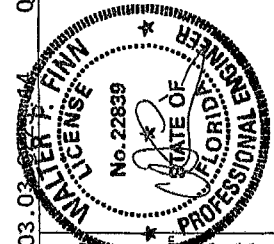
L2-0-0

R=1797 U=25 W=3.5" (3.5" min.)
RL=138/-106
R=1646 U=47 W=3.5" (3.5" min.)

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

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

 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 WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with the design shall be the responsibility of the contractor. The contractor shall be responsible for obtaining all necessary permits and for ensuring that the design is used as shown above and on the joint. Refer to drawings 1604-Z for standard professional engineering. 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 the general notes page. ITW-BDG www.itwbg.com TPI www.tpiint.org WTCA www.fabricindustry.com ICC www.lccsafe.org		TC LL	20.0 PSF	REF	R215--	27447
			TC DL	10.0 PSF	DATE	10/25/13	
			BC DL	10.0 PSF	DRW	HCU215	13298023
			BC LL	0.0 PSF	HC-ENG	KD/AP	
			TOT. LD.	40.0 PSF	SEQN-	382728	
			DUR. FAC.	1.25	FROM	CDM	
SPACING			24.0"	JREF-	1VOS215_Z01		
 10/28/2013							



Top chord 2x6 SP M-31 T1 2x4 SP 2400f-2.0E;
T4 2x4 SP M-31
Bot chord 2x8 SP M-31 B3 2x4 SP 2400f-2.0E.
Webs 2x4 SP 2400f-2.0E

130 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=5.0 psf, wind BC DL=5.0 psf. $GCP(+/ -)=0.18$

Calculated horizontal deflection is 0.11" due to live load and 0.20" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Deflection meets L/360 live and L/240 total load.

Creep increase factor for dead load is 1.50.

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

Design Dead Loads based on material weight adjusted for slope TC 1.00 PSF

(I) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

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

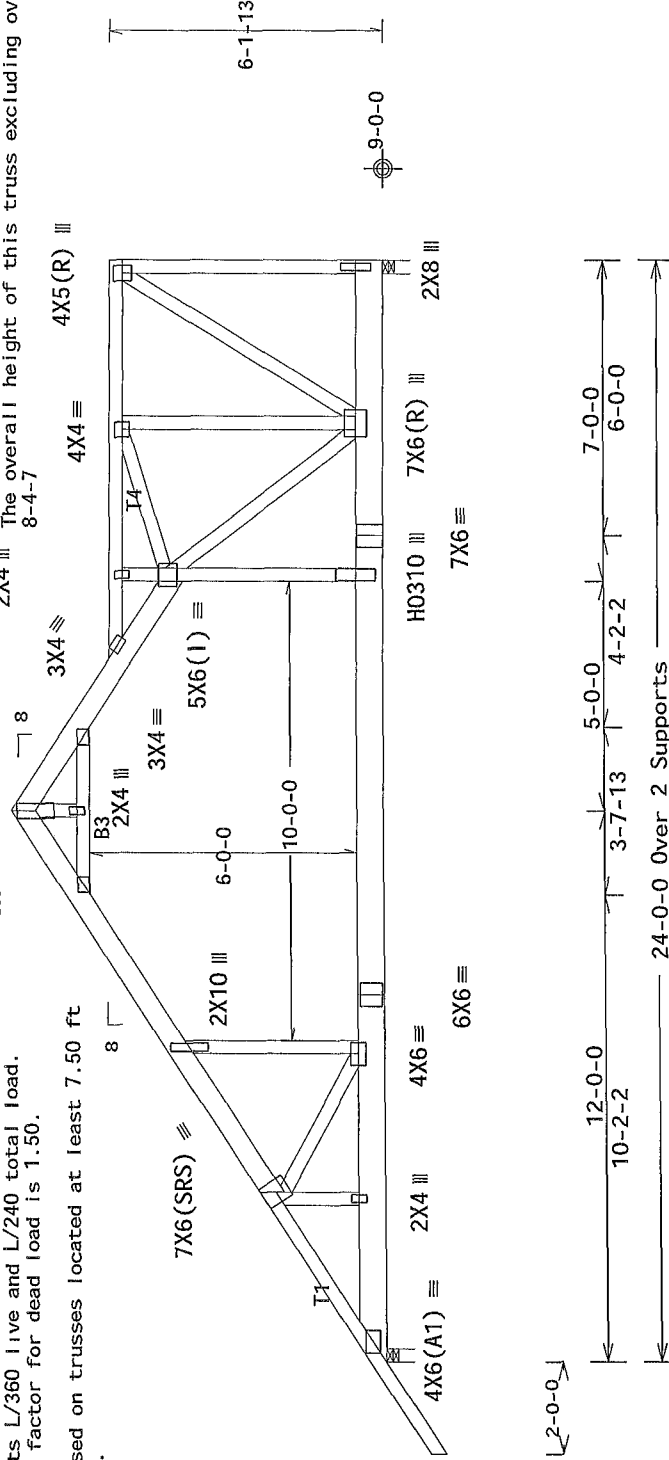
Right end vertical not exposed to wind pressure.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-0-0 to 17-0-0

2X4 The overall height of this truss excluding overhang is 8-4-7

3X4 4X4 4X5(R) III



R=1646 U=47 W=3.5" (3.5" min.)

R=1797 U=25 W=3.5" (3.5" min.)
RL=138/-106

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

Scale = .25" /Ft.

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

12.03.03 0905.14

REF R215-- 27448

DATE 10/25/13

BC DL 10.0 PSF

DRW HCUSR215 13298019

HC-ENG KD/AP

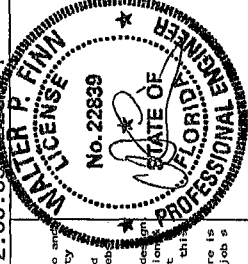
SEQN- 382728

FROM CDM

JREF- 1VOS215_Z01

ALP INC

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



ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 or TPI 2. The user of this design is responsible for obtaining all necessary permits and for ensuring that the design is used in accordance with the applicable building code. The user of this design is responsible for ensuring that the design is used in accordance with the applicable building code. The user of this design is responsible for ensuring that the design is used in accordance with the applicable building code.

10/28/2013

(8298BB-KIRCHENSTINER RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - A8)

Top chord 2x6 SP M-31 T1 2x4 SP 2400F-2.0E.
T4 2x4 SP M-31.
Bot chord 2x8 SP M-31 B3 2x4 SP 2400F-2.0E:
Webs 2x4 SP 2400F-2.0E

130 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=5.0 psf, wind BC DL=5.0 psf. $G\phi_i(+/-)=0.18$

Calculated horizontal deflection is 0.12" due to live load and 0.22" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

Design Dead Loads based on material weight adjusted for slope TC 1.00 PSF

(I) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

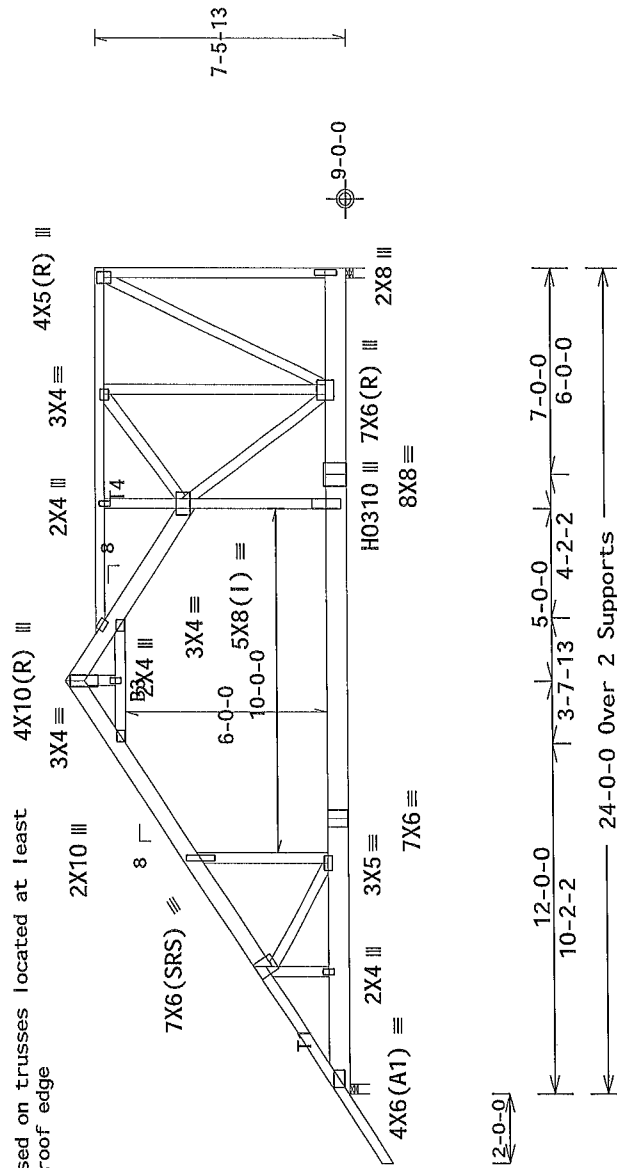
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

BC attic room floor loading' LL = 40 00 psf; DL = 10 00 psf, from 7-0-0 to 17-0-0

The overall height of this truss excluding overhang is 8-4-7.



R=1665 U=56 W=3 5" (3.5" min.)

R=1805 U=20 W=3 5" (3.5" min)
RL=164/-88

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS, Wave

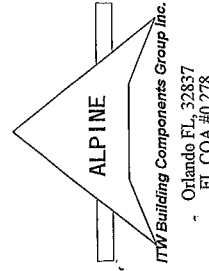
12.03.03.0225.14 QTY.1

FL/-/1/-/-/R/- Scale =.1875"/Ft.,

TC LL	20.0 PSF	REF	R215--	27449
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUR215	13298014
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT.LD.	40.0 PSF	SEQN-	382732	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	



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10/28/2013

Top chord 2x4 SP M-31 :T2, T3 2x6 SP 2400F-2.0E
Bot chord 2x8 SP 2400F-2.0E B3 2x4 SP 2400F-2.0E
Webs 2x4 SP M-31

W5, W6, W8, W9, W11, W12 2x4 SP 2400F-2.0E.

130 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=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Calculated horizontal deflection is 0.12" due to live load and 0.19" due to dead load.

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

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

BC attic room floor loading: LL = 40.00 psf; DL = 5X5 = 10.00 psf, from 7-0-0 to 17-0-0.

The overall height of this truss excluding overhang is 8-9-13.

Design Dead Loads based on material weight adjusted for slope TC 1.00 PSF

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

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

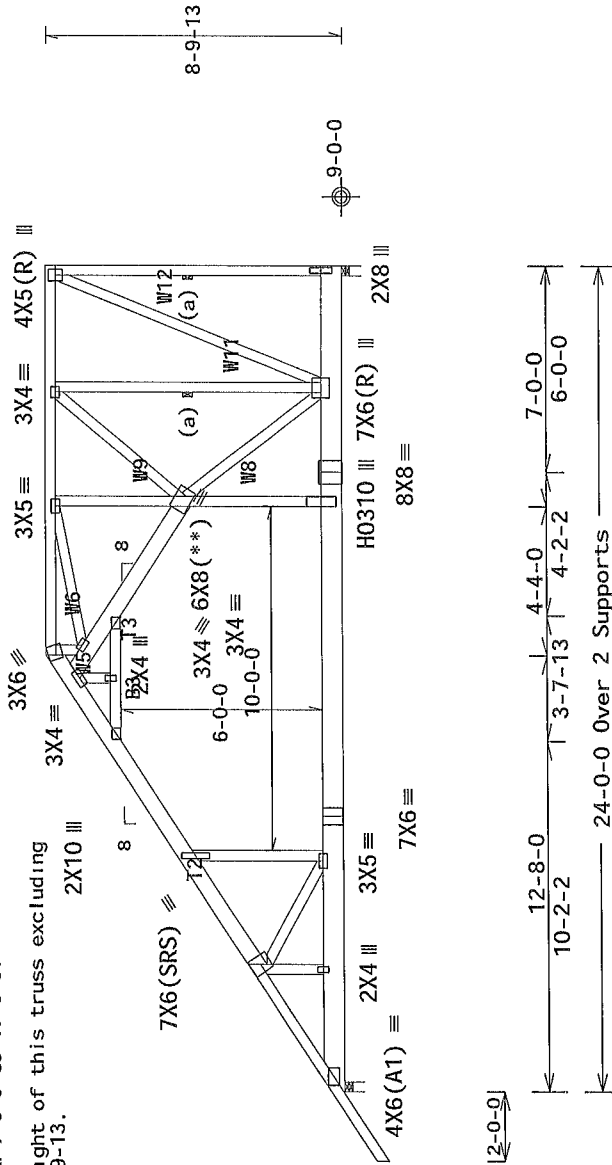
Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load Creep increase factor for dead load is 1.50.

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



R=1813 U=15 W=3.5" (3.5" min.)
RL=189/-81

R=1684 U=68 W=3 5" (3.5" min.)

PLT TYP. 20 Gauge HS Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

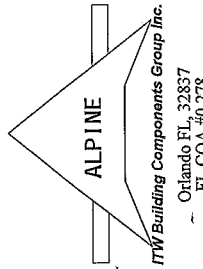
12.03.03 Q225 14 QTY:1

FL/-/1/-/R/- Scale =.1875"/Ft.

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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 and position as shown above and on the joint details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on the drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see the general notes page. ITW-BCG www.itwbcg.com TPI www.tpi.net org WTC www.industry.com
10/28/2013



TC LL	20.0 PSF	REF	R215--	27450
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298036
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT. LD.	40.0 PSF	SEQN-	382734	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	

Top chord 2x4 SP 2400f-2.0E T2 2x6 SP M-31: T3 2x4 SP M-31
Bot chord 2x8 SP M-31 B3 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

130 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=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

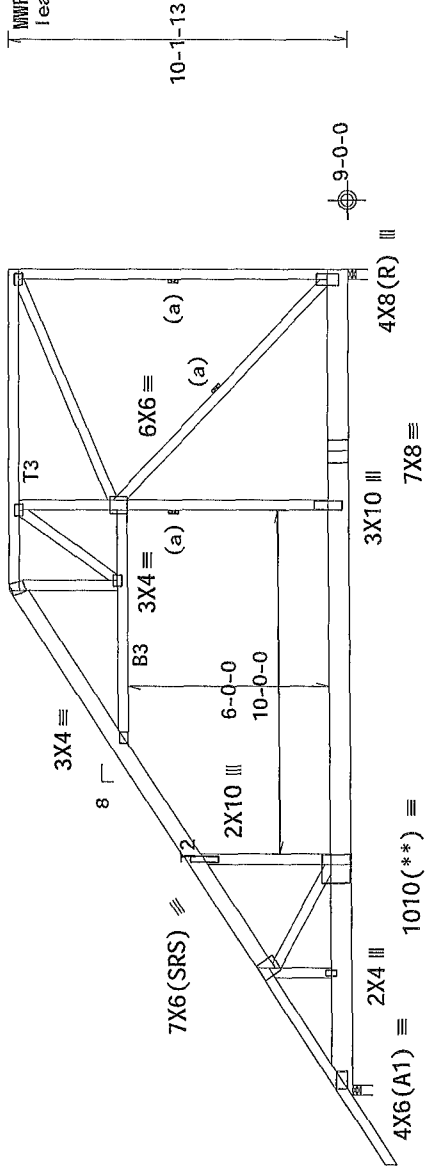
Calculated horizontal deflection is 0.13" due to live load and 0.20" due to dead load.

(a) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

BC attic room floor loading. LL = 40.00 psf; DL = 10.00 psf, from 7-0-0 to 17-0-0. 3X4 ≡

The overall height of this truss excluding overhang is 4X5(R) ≡ 10-1-13.



Design Dead Loads based on material weight adjusted for slope. TC 1.00 PSF

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

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

Right end vertical not exposed to wind pressure.

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

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

Deflection meets L/360 live and L/240 total load. Creep increase 3X4 ≡ factor for dead load is 1.50.

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

R=1800 U=3 W=3.5" (3.5" min.)
RL=215/-89

R=1653 U=75 W=3.5" (3.5" min.)

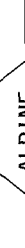
PLT TYP. Wave

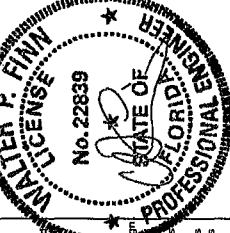
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

QTY: 3

FL/-/1/-/1/-/R/-

Scale = .1875"/Ft.

 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		REF	R215--	27451
	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 ceiling. Locations shown for permanent lateral restraint of wood shall have bracing installed per BCSI sections B5, B7 or B10 as applicable.		DATE	10/25/13	
	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 the design shall be the responsibility of the contractor. Refer to drawings 160A-Z for standard plate positions. A seat on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page. ITW-BCG www.itwbcg.com, TPI www.tpinet.org, WTC www.subindustry.com		DRW	HCUSR215	13298033
			HC-ENG	KD/AP	
			SEQN-	382736	
			FROM	CDM	
			JREF-	1VOS215_Z01	
		PLT TYP. Wave	TC LL	20.0	PSF
			TC DL	10.0	PSF
			BC DL	10.0	PSF
			BC LL	0.0	PSF
			TOT. LD.	40.0	PSF
			DUR. FAC.	1.25	
			SPACING	24.0"	



10/28/2013

Top	chord	2x4	SP	2400f-2.0E
Bot	chord	2x4	SP	2400f-2.0E
	Webs	2x4	SP	2400f-2.0E

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

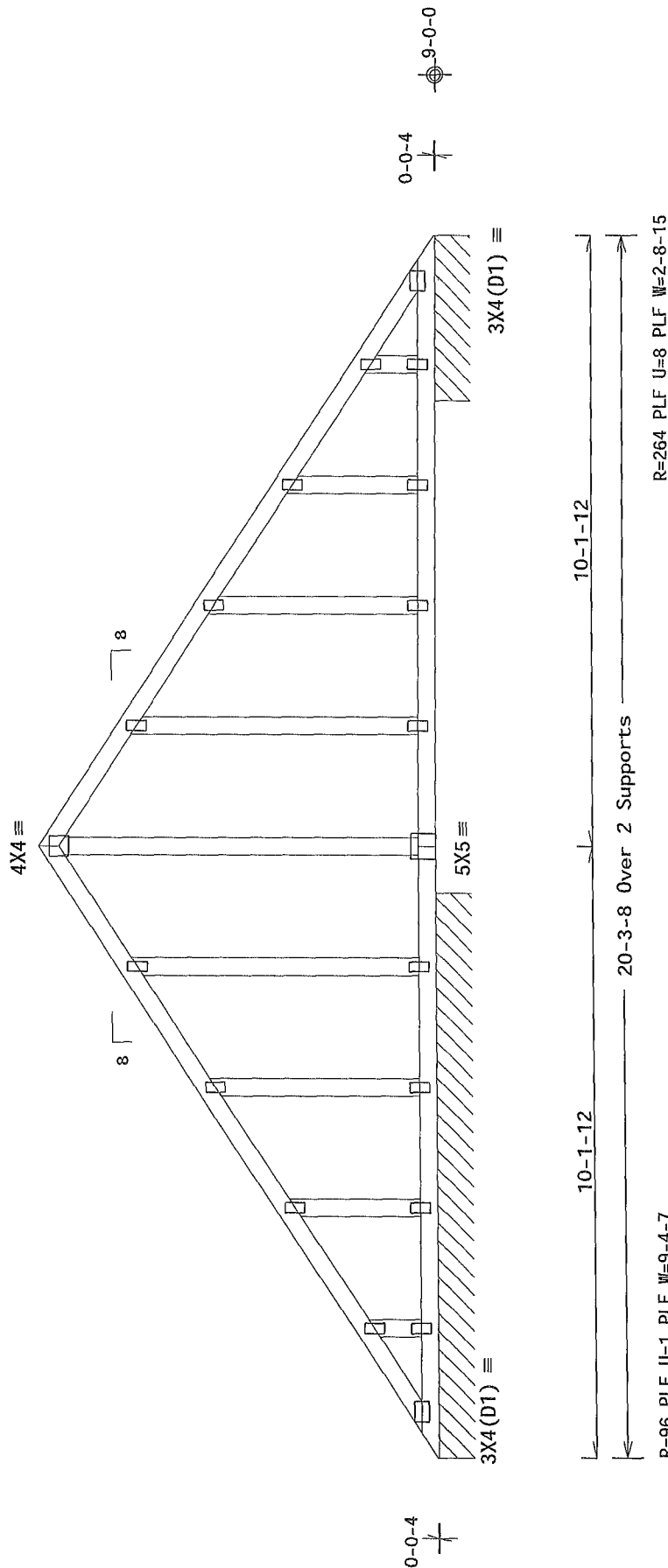
Gable end supports 8" max rake overhang.

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

See DWGS A14015ENC100212 & GBLLETIN0212 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: FBC2010Res/TPI -2007(STD)

PJT TYP. Wave

12-03-03-0025014 QTY:1

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R215--	27452
TC DL	10.0	PSF	DATE	10/25/13	
BC DL	10.0	PSF	DRW	HCUSR215	13298011
BC LL	0.0	PSF	HC-ENG	KD/AP	
TOT. LD.	40.0	PSF	SEQN--	382608	
DUR. FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF--	1V0S215	Z01

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

Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTC) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI standards. The undersigned hereby warrants that the design shown herein meets all applicable building codes. The undersigned has noted otherwise top chord shall have property attached structural sheathing and fasteners as indicated. The undersigned warrants that the design shown herein meets all applicable building codes. The undersigned shall have bracing installed per BCSI sections 83 BT or B10 as applicable

I/TW Building Components Group Inc. (ITWBSCG) shall not be responsible for any deviation from this design for manufacturing or construction purposes. ITWBSCG shall not be responsible for obtaining permits and/or local code requirements. Apply places Refer to drawings 160M-2 for standard plate positions and on the joint between members. Indicated acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI Sec 2 For more information see This Job # general notes page 1TW-BSCG WWW.BCSIG.COM TPI www.tpinet.org WTC www.wctcinstitute.com

ALPINE

TTW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

~~10/28/2013~~

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

Special loads

-----Lumber-----
Dur.Fac =1.25 / Plate Dur.Fac.=1.25)
TC- From 60 pif at 0.00 to 60 pif at 10.15
TC- From 60 pif at 10.15 to 60 pif at 20.29
BC- From 20 pif at 0.00 to 20 pif at 10.15
BC- From 20 pif at 10.15 to 20 pif at 20.29
BC- 1158.00 lb Conc. Load at 8.90, 18.90
BC- 924.00 lb Conc. Load at 10.90
BC- 1150.00 lb Conc. Load at 12.90
BC- 1128.00 lb Conc. Load at 14.90
BC- 1102.00 lb Conc. Load at 16.90

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

The overall height of this truss excluding overhang is 7-1-10.

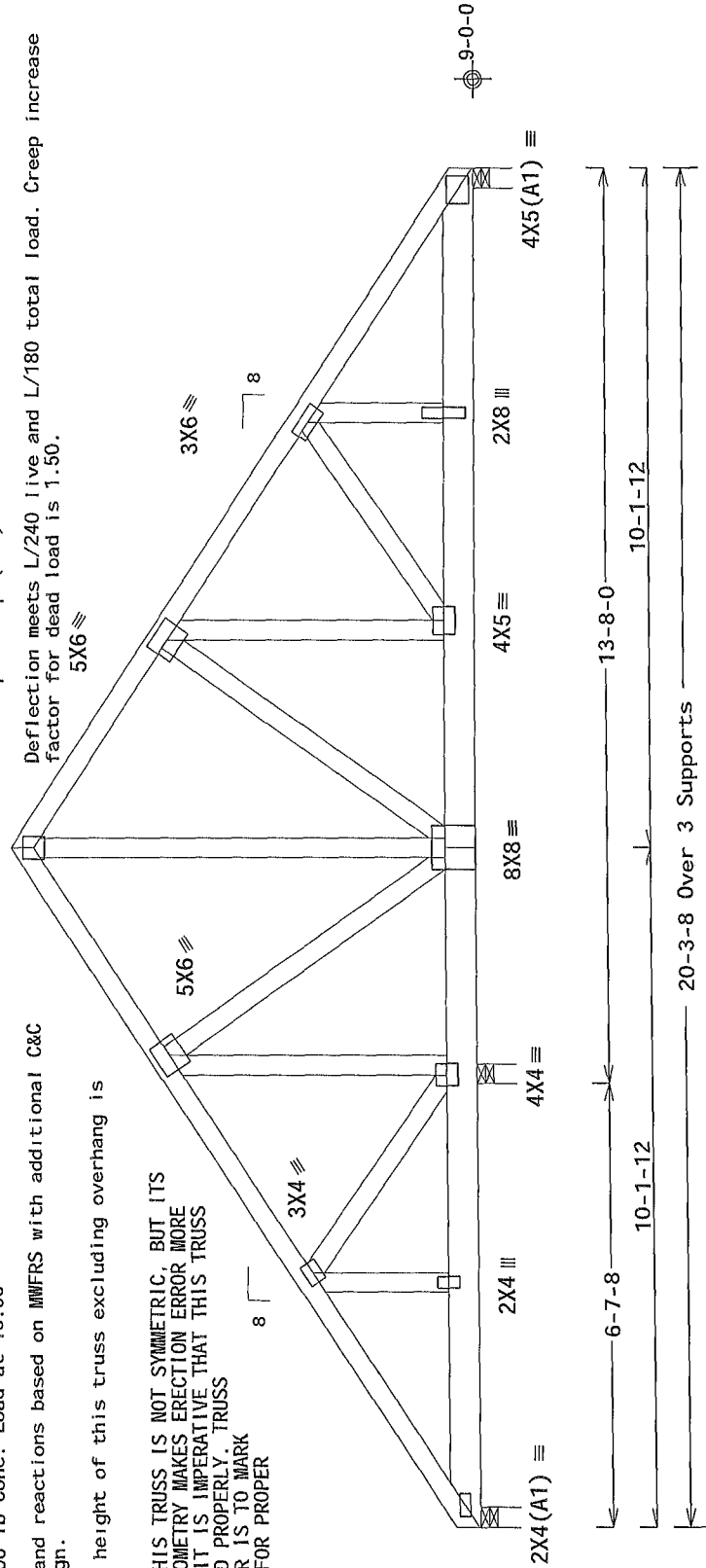
WARNING! THIS TRUSS IS NOT SYMMETRIC, BUT ITS EXTERIOR GEOMETRY MAKES ERECTION ERROR MORE PROBABLE. IT IS IMPERATIVE THAT THIS TRUSS BE INSTALLED PROPERLY. TRUSS MANUFACTURER IS TO MARK THIS TRUSS FOR PROPER ERECTION.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0.131"x3" min. nails
Top Chord 1 Row @12.00" o.c.
Bot Chord 1 Row @4.50" o.c.
Webs 1 Row @4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
Negative reaction(s) of -422# MAX. (See below) from a non-wind load case requires uplift connection.

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

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



R=3840 U=166 W=3.5" (3.5" min.)

R=422 Rw=98 U=480 W=3.5" (3.5" min.)
RL=126/-126

R=4713 U=187 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

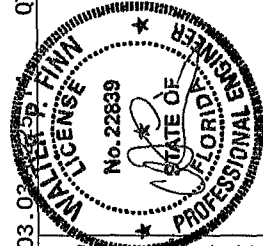
PLT TYP. Wave

QTY. 1

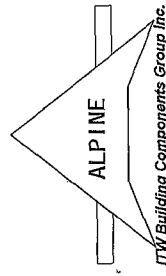
FL/-/1/-/R/-

Scale = .375"/Ft.

REF	R215--	27453
DATE	10/25/13	
DRW	HCUR215	13298013
HC-ENG	KD/AP	
SEQN-	382700	
FROM	CDM	
JREF-	1VOS215_Z01	



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 BCSI (Building Component Safety Information) by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B5, 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 conformance with ANSI/TPI 1 to be used for handling above and on the joint. Apply plates as shown. Refer to drawings 1604-Z for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page ITW-BCSI www.itwbcg.com, TPI www.tpinet.org WTCA www.wtcainc.com
ICC www.iccsafe.org



Orlando FL, 32837
FL COA #0278

Top chord 2x6 SP 2400F-2.0E T1 2x4 SP 2400F-2.0E
Bot chord 2x6 SP 2400F-2.0E B3 2x4 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf, GCpi(+/-)=0.18

Wind loads and reactions based on MMFRS

In lieu of structural panels use purlins 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.

2 COMPLETE TRUSSES REQUIRED

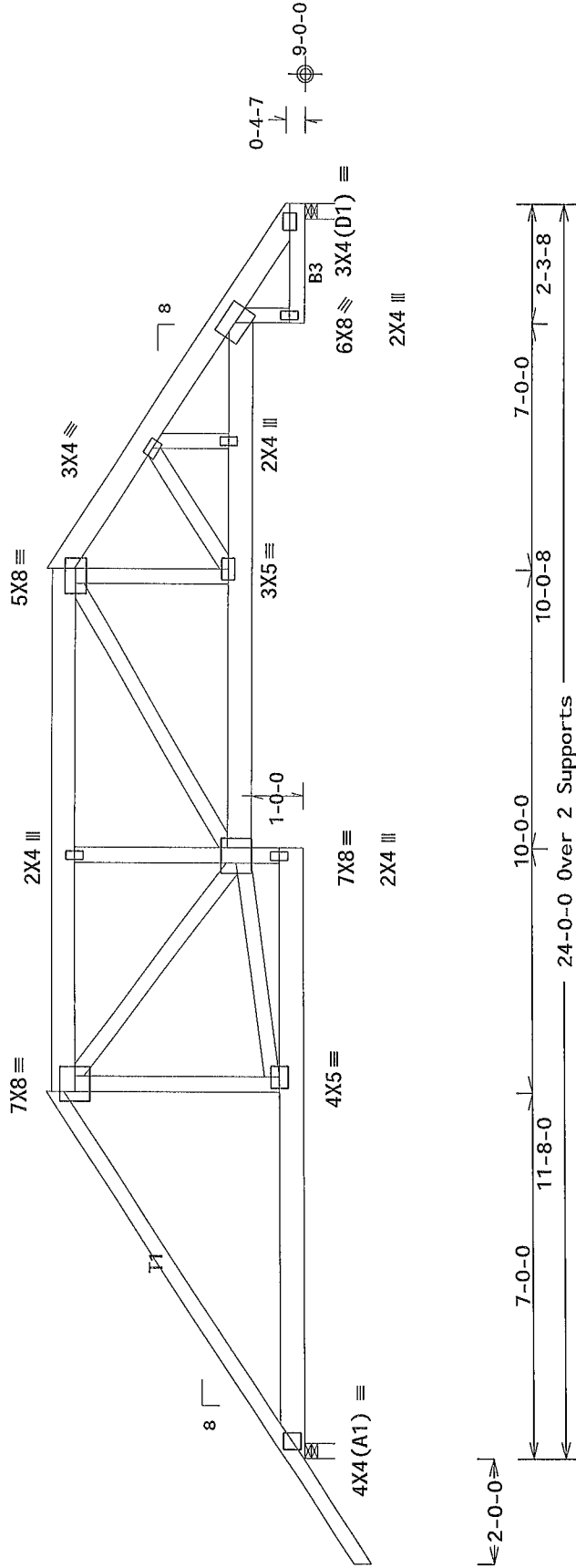
Nail Schedule: 0 131"x3", min. nails
Top Chord 1 Row @12.00" o.c.
Bot Chord 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Calculated horizontal deflection is 0.12" due to live load and 0.18"
due to dead load.

#1 hip supports 7-0-0 jacks with no webs.

The overall height of this truss excluding overhang is 5-0-7.



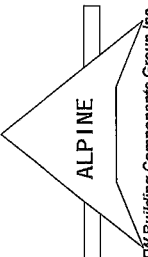
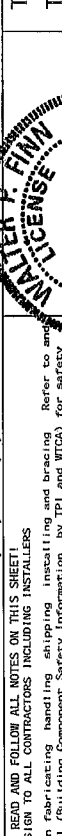
R-2015 U=97 W=3.5" (3.5" min.)

R=1878 U=68 W=3.5" (3.5" min.)

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

QTY. 1 FL/-/1/-/1/-/R/- Scale = .3125"/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, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTA 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.	**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 WTA 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.		TC LL	20.0 PSF	REF	R215--	27454			
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1 for handling, shipping, installation, bracing, or any other aspect of the truss. Refer to drawings 1604-2 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 the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page. ITW-BCG www.itwbcg.com, TPI www.tpiinc.org, WTA www.wtaindustry.com	TC DL	10.0 PSF	DATE	10/25/13						
		BC DL	10.0 PSF	DRW	HCUSTR215	13298008					
		BC LL	0.0 PSF	HC-ENG	KD/AP						
		TOT. LD.	40.0 PSF	SEQN-	382629						
		DUR. FAC.	1.25	FROM	CDM						
	SPACING	24.0"	JREF-	1VOS215_Z01							

10/28/2013

Top chord 2x4 SP 2400F-2.0E T4 2x6 SP 2400F-2.0E
Bot chord 2x4 SP 2400F-2.0E B3 2x6 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E W11 2x6 SP 2400F-2.0E

130 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=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Calculated horizontal deflection is 0.13" due to live load and 0.18" due to dead load.

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

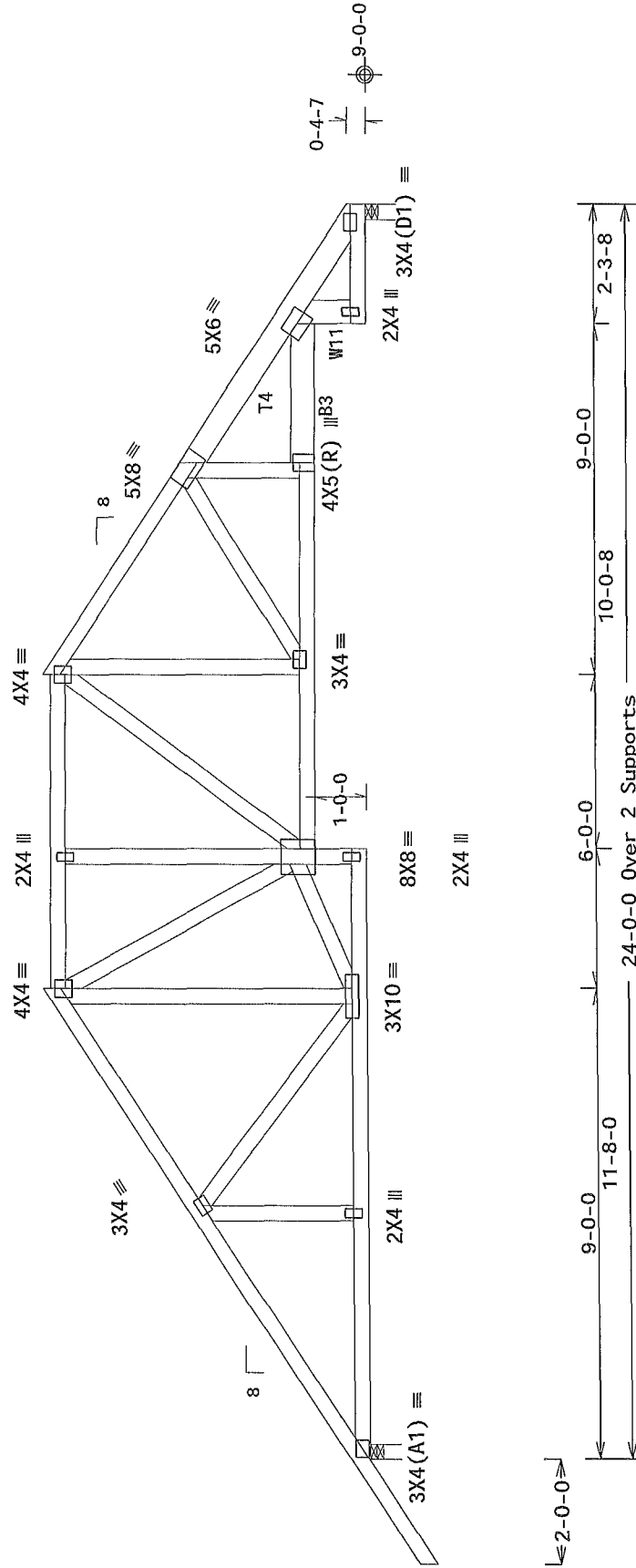
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

The overall height of this truss excluding overhang is 6-4-7.

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

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



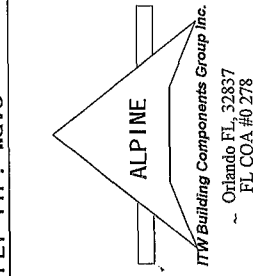
R=1096 U=43 W=3.5" (3.5" min.)
RL=129/-143

R=954 U=24 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

QTY: 1 FL/-1/-/-/R/- Scale = .3125"/Ft.

PLT TYP. Wave



****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 properly attached rigid ceiling sheathing and bottom chord shall have federal 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 this design or for any other reason. This design is the property of ITWBCG and shall remain confidential. Refer to drawings 1604-Z for standard plate positions and on the Joint 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 Sec 2. For more information on the general notes page ITW-BCG www.tlwg.com, TPI www.tlwg.com, WCA www.wcaindustry.com 100 www.rescue.org



TC LL	20.0 PSF	REF	R215-- 27455
TC DL	10.0 PSF	DATE	10/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13298002
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	382631
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VOS215_Z01

10/28/2013

Top chord 2x6 SP 2400f-2.0E
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

Special loads
----- (Lumber Dur Fac.=1.25 / Plate Dur Fac.=1.25)
TC- From 60 plf at 0.00 to 60 plf at 18.79
BC- From 20 plf at 0.00 to 20 plf at 18.79
TC- 176.00 lb Conc. Load at 2.06, 4.06, 6.06, 8.06
10.06, 12.06, 14.06, 16.06, 18.06
BC- 128.00 lb Conc. Load at 2.06, 4.06, 6.06, 8.06
10.06, 12.06, 14.06, 16.06, 18.06

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

(H1) = (J) Hanger not calculated (2)2x6 SP 2400f-2.0E supporting member.

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.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0 131"x3" min. nails
Top Chord 1 Row @12.00" o.c.
Bot Chord 1 Row @12.00" o.c.
Webs 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

End verticals not exposed to wind pressure.

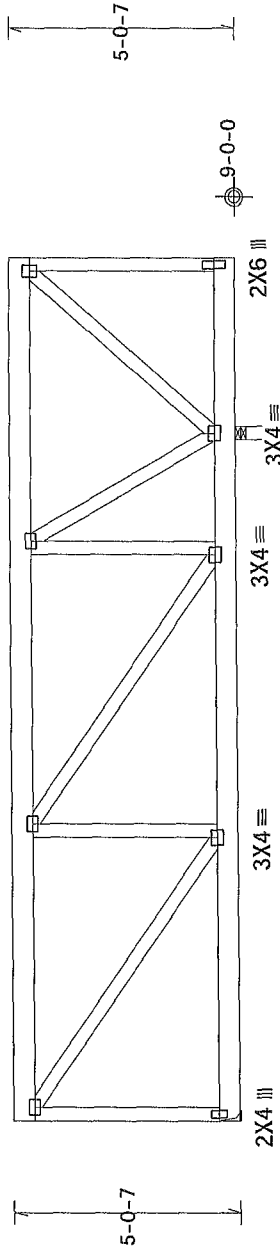
Right cantilever is exposed to wind

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

Truss must be installed as shown with top chord up.

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

3X4(R) The overall height of this truss excluding overhang is 5-0-7.



18-9-8 Over 2 Supports
R=1478 U=45
H=H1
R=2781 U=99 W=3 5"

Design Crit. FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .25" /Ft.

QTY: 1

12.03.03 0225 14

FL/-/1/-/1/-/R/-

REF

R215--

27458

TC LL

20.0 PSF

DATE

10/25/13

DRW

HCUSR215

TC DL

10.0 PSF

BC DL

10.0 PSF

HC-ENG

KD/AP

BC LL

0.0 PSF

TOT. LD.

40.0 PSF

SEQN-

382716

DUR. FAC.

1.25

FROM

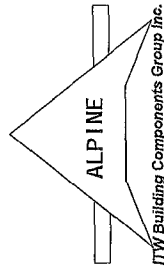
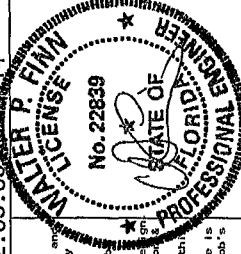
CDM

JREF-

1VOS215_Z01

SPACING

24.0"



- Orlando FL 32837
FL COA #0278

10/28/2013

Top	chord	2x4	SP	2400f-2.0E
Bot	chord	2x4	SP	2400f-2.0E
	Webs	2x4	SP	2400f-2.0E

130 mph wind, 16.70 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=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

End verticals not exposed to wind pressure.

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

Right cantilever is exposed to wind

(H1) = (J) Hanger not calculated (2) 2x6 SP 2400f-2.0E supporting member.

(a) Continuous lateral bracing equally spaced on member.

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

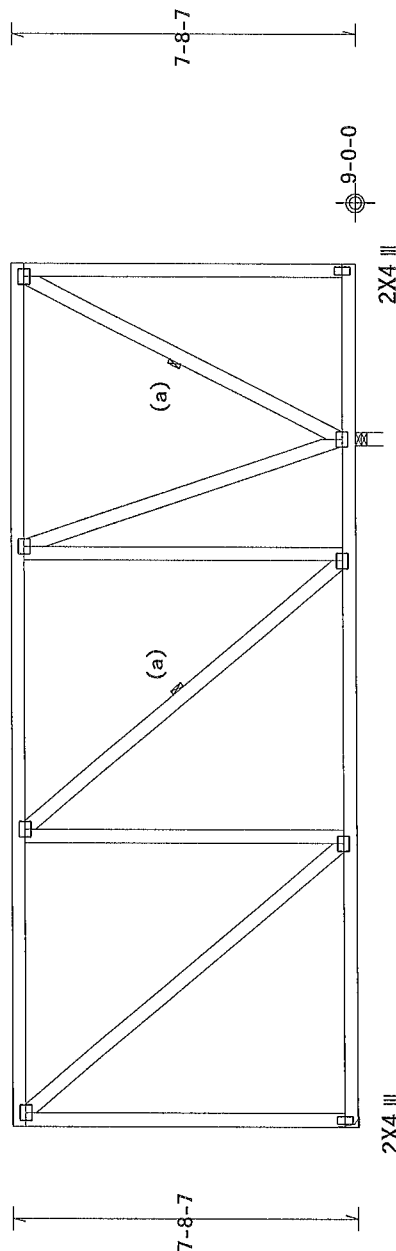
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 7-8-7.

UNWFRS loads based on trusses located at least 8 35 ft. from roof edge.

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.



← 3-8-0 →

← 18-9-8 Over 2 Supports →

R=943 U=117 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2010Res/TPI -2007(STD)

BIT TYPE Wave

[illegible]

Scale = .25"/Ft.

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

****IMPORTANT****

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trussess require extreme care in fabricating handling shipping installing and bracing. Refer to any drawings or specifications for details. 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 instructions. Unless noted otherwise top chord shall have property attached to prevent buckling. Temporary bracing must be removed laterally, rearward or upward as applicable. (Refer to BCSI sections 83, 87 or 810 as applicable).

[illegible]

Orlando FL, 32837
FL COA #0278

JREF- 1V0S215 Z01

10/28/2013

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

130 mph wind, 17.33 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=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

End verticals not exposed to wind pressure.

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

(H1) = (J) Hanger not calculated (2)2x6 SP 2400f-2.0E supporting member.

(a) Continuous lateral bracing equally spaced on member.

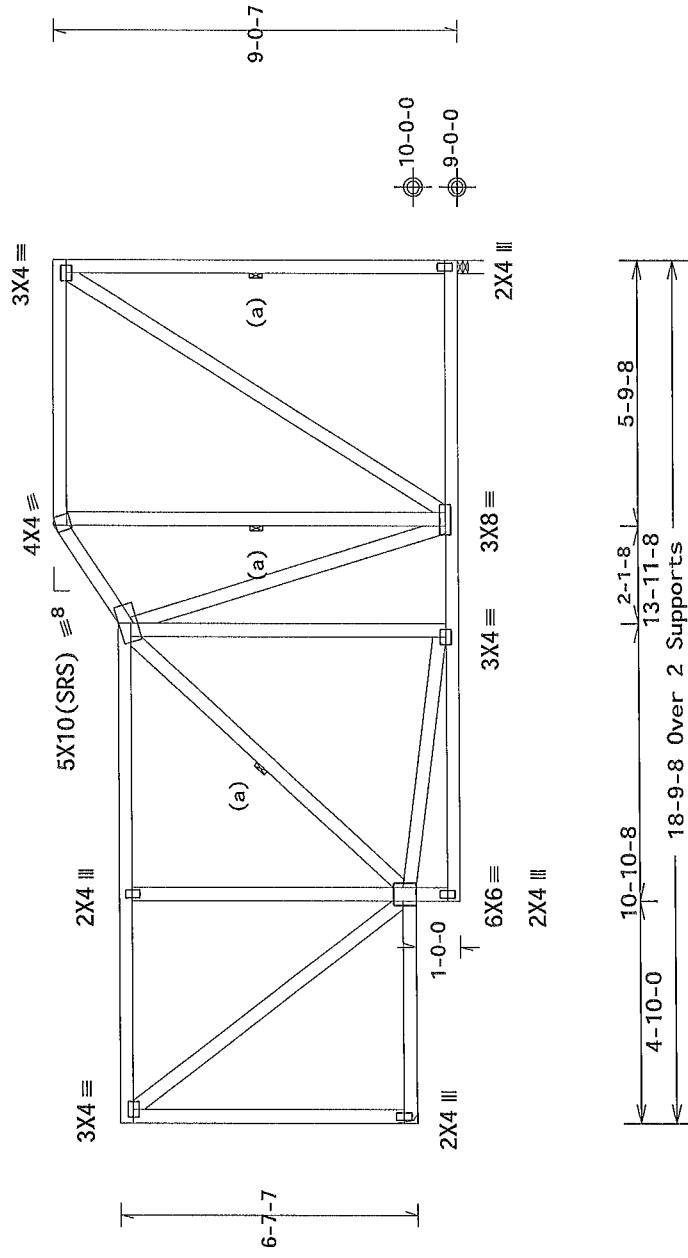
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

The overall height of this truss excluding overhang is 8-0-7

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

MWFRS loads based on trusses located at least 8.66 ft. from roof edge.



R=752 U=52 W=3.5"

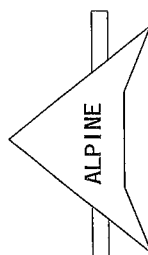
R=752 U=44
RL=27
H=H1

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

QTY 1

Scale = .25" / Ft.

 ALPINE ITW Building Components Group Inc. - Orlando FL 32837 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! **IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTCFA 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 webbing shall have bracing installed per BCSI sections 83, 87 or 810 as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 180A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering. The responsibility of the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page ITW-B08 www.itwbcg.com TPI www.tpinet.org WTCFA www.subindustry.com IBC www.ircbure.org						
	FL/RT=20%(0%)/10(0)		12.03.03		10/28/2013		
	FL/RT=20%(0%)/10(0)		12.03.03		10/28/2013		
	FL/RT=20%(0%)/10(0)		12.03.03		10/28/2013		
	FL/RT=20%(0%)/10(0)		12.03.03		10/28/2013		
	FL/RT=20%(0%)/10(0)		12.03.03		10/28/2013		
	FL/RT=20%(0%)/10(0)		12.03.03		10/28/2013		
FL/RT=20%(0%)/10(0)		12.03.03		10/28/2013			
		TC LL		20.0	PSF	REF	R215-- 27461
		TC DL		10.0	PSF	DATE	10/25/13
		BC DL		10.0	PSF	DRW	HCUSR215 13298016
		BC LL		0.0	PSF	HC-ENG	KD/AP
		TOT.LD.		40.0	PSF	SEQN-	382642
		DUR.FAC.		1.25		FROM	CDM
		SPACING		24.0"		JREF-	1VOS215_Z01

Top	chord	2x4	SP	2400f-2.0E
Bot	chord	2x4	SP	2400f-2.0E
	webs	2x4	SP	2400f-2.0E

130 mph wind, 17.33 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=5.0 psf, wind BC DL=5.0 psf. GCpl (+/-)=0 18

End verticals not exposed to wind pressure.

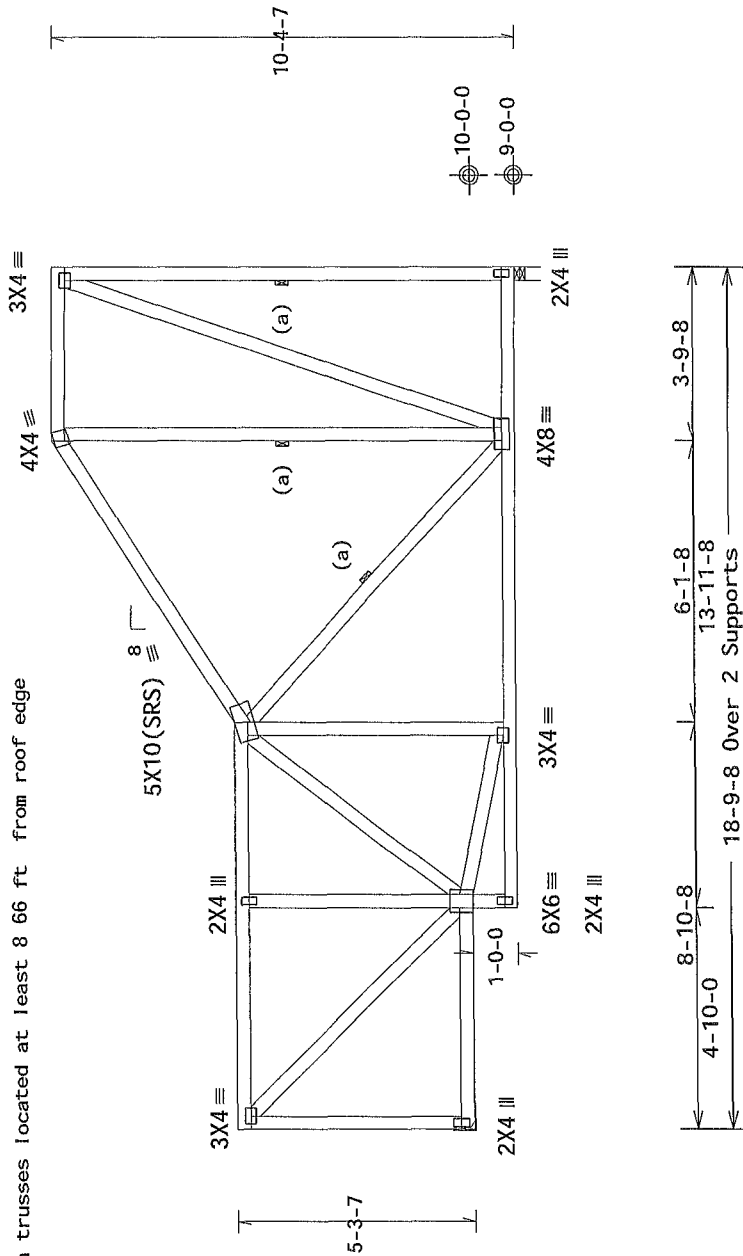
(H1) = (J) Hanger not calculated (2)2x6 SP 2400f-2.0E supporting member.

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

30.

The overall height of this truss excluding overhang is 9-4-7.

ANNEXERS loads based on trusses located at least 8 66 ft from roof edge



R=752 U=61 W=3.5"

R=752 U=9
RL=79/-24

$$H=H_1$$

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

12 03 03

QTY: 1

El /- /1 /- /- /R /- /-

Scale = .25"/Ft.

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

****IMPORTANT****

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 WCTA for safety information pertaining to the installation of BCSI trusses.

Installers shall provide temporary bracing per BCSI instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI instructions prior to performing these functions.

Installers shall provide temporary bracing per BCSI instructions prior to performing these functions.

top chord shall have properly attached structural sheathing and bottom chord shall have 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

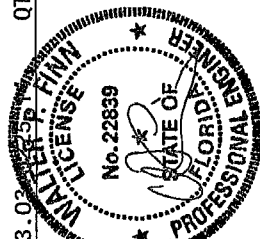
Refer to and follow all related specifications and drawings for details and materials.

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

WARNING

READ AND FOLLOW ALL RELATED SPECIFICATIONS AND DRAWINGS FOR DETAILS AND MATERIALS.

ITW Building Components Group Inc. (IWBCCG) shall be responsible for any deviation from this design or any failure to build to the design shown on drawings. IWBCCG shall be responsible for the installation of any plates to build to the design shown on drawings, with ANSI/TPI-1 or for handling shipping. Installation details are provided on drawings. Apply plates to each face of studs and position as shown above and on the Joint Detail Drawing. Refer to drawings T60A-Z for standard plate positions. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI-1 Sec 2. For more information contact IWBCCG at 800-977-7623 ext. 200. This job is under review by IWBCCG. For general notes page, ITW-Building www.itwbuilding.com. For technical notes page, ITWBCD www.itwbuilding.com. For reprinting go to ITWC www.itwinc.com.



10/28/2013

UREF- 1V0S215_Z01

SPACING 24.0"

10/28/2013

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

130 mph wind, 17.33 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=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

End verticals not exposed to wind pressure.

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

(H1) = (J) Hanger not calculated (2)2x6 SP 2400f-2.0E supporting member.

(a) Continuous lateral bracing equally spaced on member.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

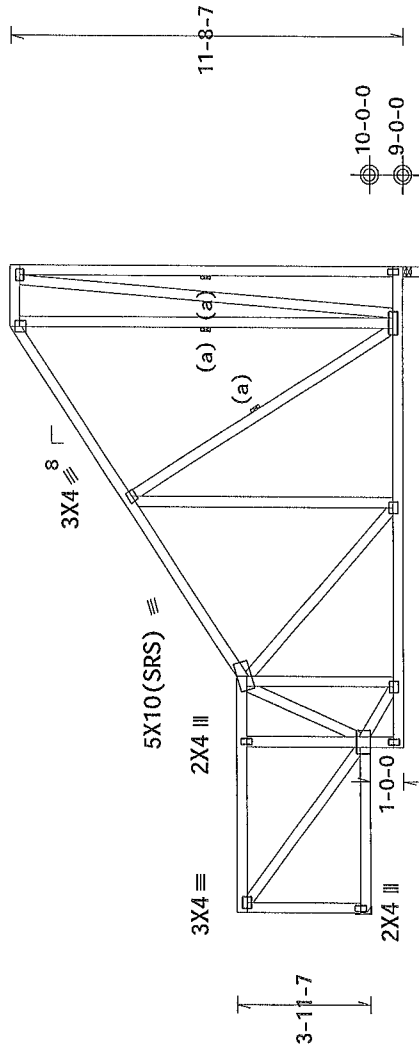
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 10-8-7.

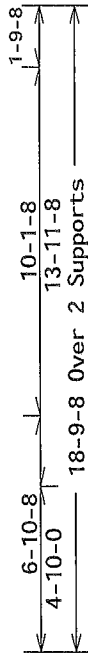
MMFRS loads based on trusses located at least 8.66 ft. from roof edge.

3X4 ≡

4X4 ≡



2X4 ≡



R=752 U=76 W=3.5"

R=752 U=0

RL=131/-39

H=H1

Design Crit. FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

12.03.03

QTY=1

FL/-1/-1/-R/-

Scale =.1875"/Ft.

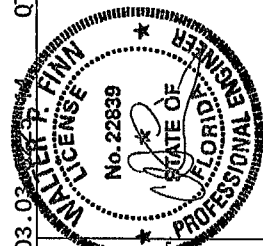
IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

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 WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. All trusses shall be installed in accordance with the BCSI shall have bracing installed per BCSI section 83.87 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any alterations made to the design. The user of this design shall be responsible for the design and the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 for more information see This Job's performance instructions. For more information see TPI www.tpiinc.org WTCA www.wtca.org
FBC www.fbcusa.org

ALPINE

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



10/28/2013

JREF- 1VOS215_Z01

FROM CDM

SEQN- 382646

HC-ENG KD/AP

DRW HCUSR215 13298026

DATE 10/25/13

REF R215-- 27463

Top chord	2x4	SP	2400f-2.0E
Bot chord	2x4	SP	2400f-2.0E
Webbs	2x4	SP	2400f-2.0E

End verticals not exposed to wind pressure.

(H1) = (J) Hanger not calculated (2)2x6 SP 2400f-2.0E supporting member.

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

The overall height of this truss excluding overhang is 9-4-7.

MWFRS loads based on trusses located at least 8.00 ft from roof edge

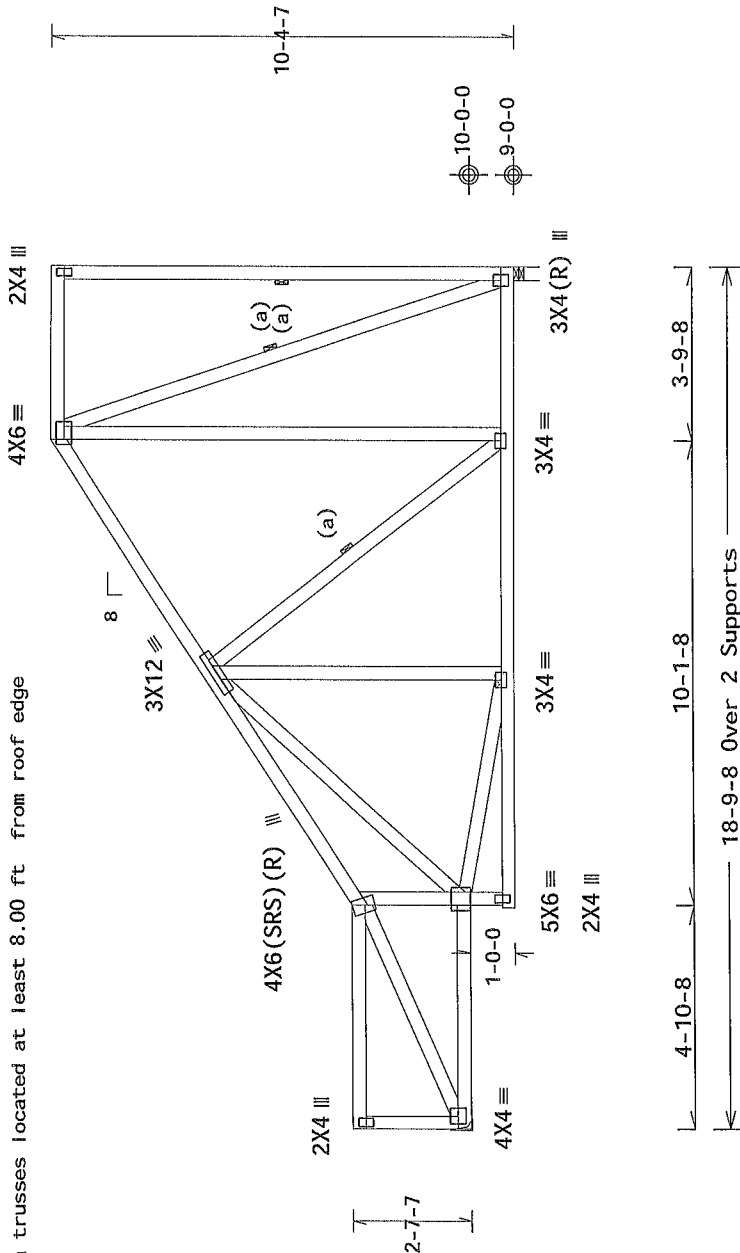
130 mph wind, 16.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl (+/-)=0 18

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

(a) Continuous lateral bracing 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.



PIT TYP. Wave

Design Crit: $\text{FBC2010Res}/\text{TPI}-2007(\text{STD})$
 $\text{FT}/\text{RT}=20\%(0\%)/10(0)$

12.03.03-967-44

Scale = .25"/Ft.

Scale = .25"/Ft.

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

*****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 WICA for safety and bracing details. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

The Building Components Group Inc. (TBCOG) shall not be responsible for any deviation from this design or the building's failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation or erection of crusses. Apply plates to each face of truss and position as shown above. On the Joint Decals unless otherwise Refer to drawings T60A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. This job is the responsibility of TPI www.tpi.net
TBCOG 100 West Locust Ave. Wichita KS 67202
www.tbcog.com

ALPINE

A circular professional engineer seal for the State of Florida. The outer ring contains the text "WALTER F. FINN" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside this ring, the words "LICENSE" and "STATE OF FLORIDA" are positioned on the left and right respectively. In the center, the license number "No. 22839" is printed above a stylized signature. The seal is surrounded by a decorative border of small stars.

10/28/2013

SPACING	24.0"	JREF- 1V0S215_Z01
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FROM CDM

SEQN- 382648

HC-ENG KD/AP

DRW HCUSR215 13298037

DATE 10/25/13

REF RZ13-- 21464
DATE 10/25/12

Scale = .25 / ft.

[illegible]

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

130 mph wind, 15.33 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=5.0 psf, wind BC DL=5.0 psf. $G C p_i (+/-) = 0.18$

(H1) = (J) Hanger not calculated (2)2x6 SP 2400f-2.0E supporting member

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

(a) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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

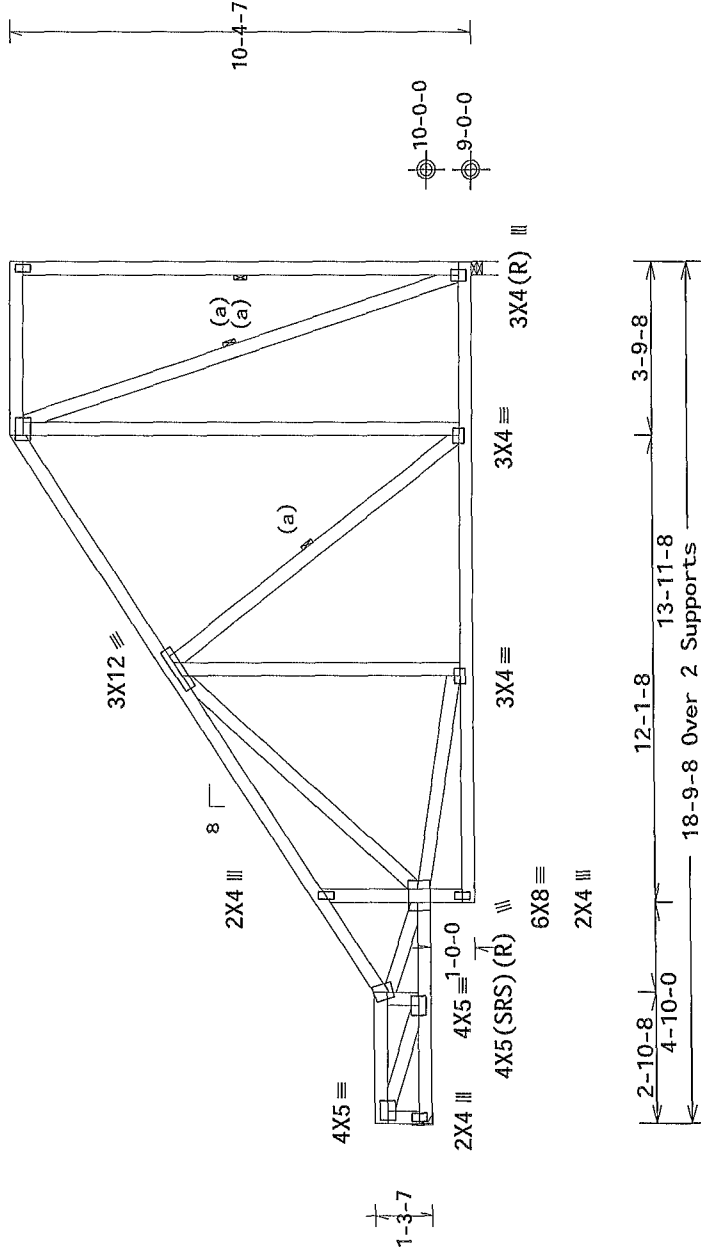
Bottom chord checked for 10.00 psf non-concurrent live load.

The overall height of this truss excluding overhang is 9-4-7.

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

MWFRS loads based on trusses located at least 7.66 ft. from roof edge.

4X6 ≡ 2X4 III



R=752 U=0
RL=156/-47
H=H1

R=752 U=68 W=3.5"

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .25" / Ft.

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

REF R215-- 27465

DATE 10/25/13

DRW HCUSR215 13298029

HC-ENG KD/AP

SEQN- 382650

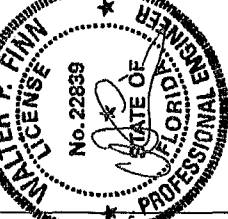
FROM CDM

JREF- 1VOS215_Z01

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, 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 ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as apply cable.
ITW Building Components Group Inc. (ITWBCG) 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 trusses. Apply pieces. Refer to drawings 180A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This job's general notes page. ITW-B06 www.itwbcg.com TPI www.tpi.net WTC www.subindustry.com
ICC www.iccsafe.org

10/28/2013

Top chord 2x4 SP 2400F-2.0E
Bot chord 2x4 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E

(a) Continuous lateral restraint equally spaced on member.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

The overall height of this truss excluding overhang is 10-4-7

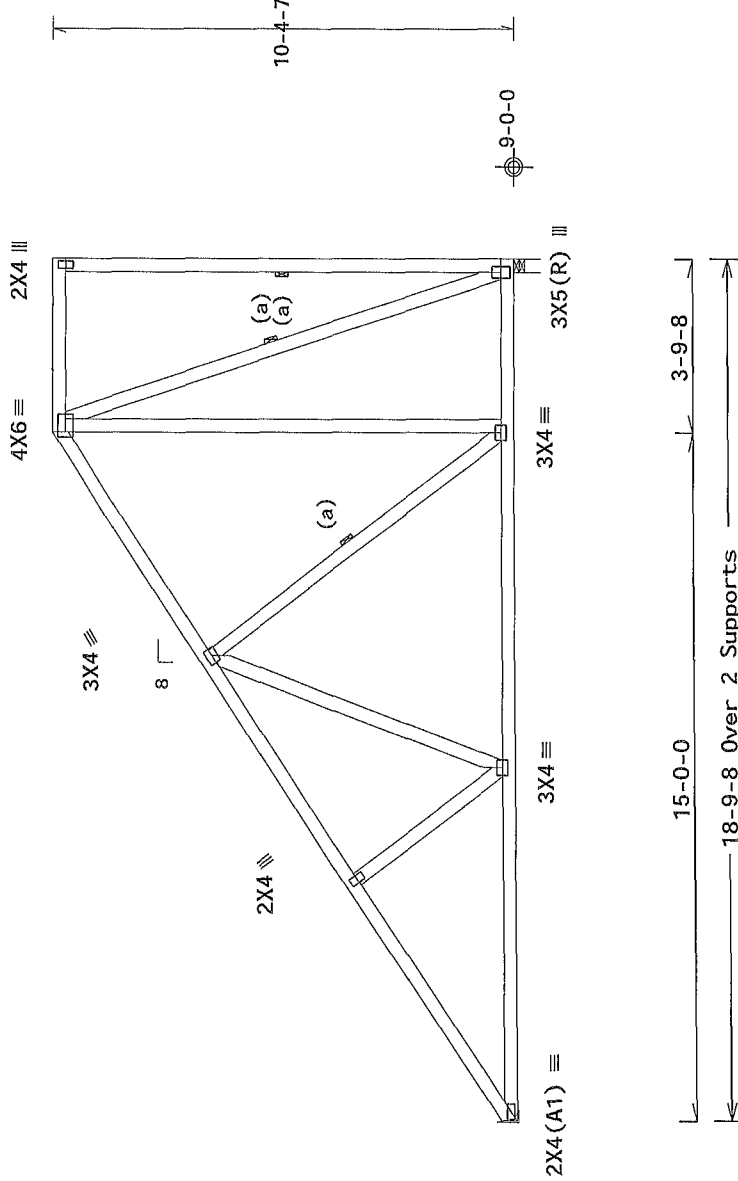
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

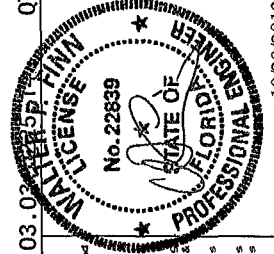
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=757 U=0
RL=193/-59
H=H1

PLT TYP. Wave

Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)



QTY: 1	FL/-/1/-/-/R/-	Scale = .25"/Ft.
TC LL	20.0 PSF	REF R215-- 27466
TC DL	10.0 PSF	DATE 10/25/13
BC DL	10.0 PSF	DRW HCUSR215 13298031
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT. LD.	40.0 PSF	SEQN- 383000
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VOS215_Z01

****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 instructions in the ITW Building Components Group Inc. (ITWBCG) Manual for the proper 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 or any failure to build the truss in conformance with ANSI/TP1 1 or for handling, shipping, installation & bracing of trusses. Apply places to each face of truss and position as shown above on a Joist or other support. Details are noted on this drawing. Listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see This Job's general notes page ITW-B06 www.itwbcg.com TP1 www.spinst.org WCA www.sbcindustry.com

ICC www.iccsafe.org

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

10/28/2013

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Left and right cantilevers are exposed to wind

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

(a) Continuous lateral restraint equally spaced on member.

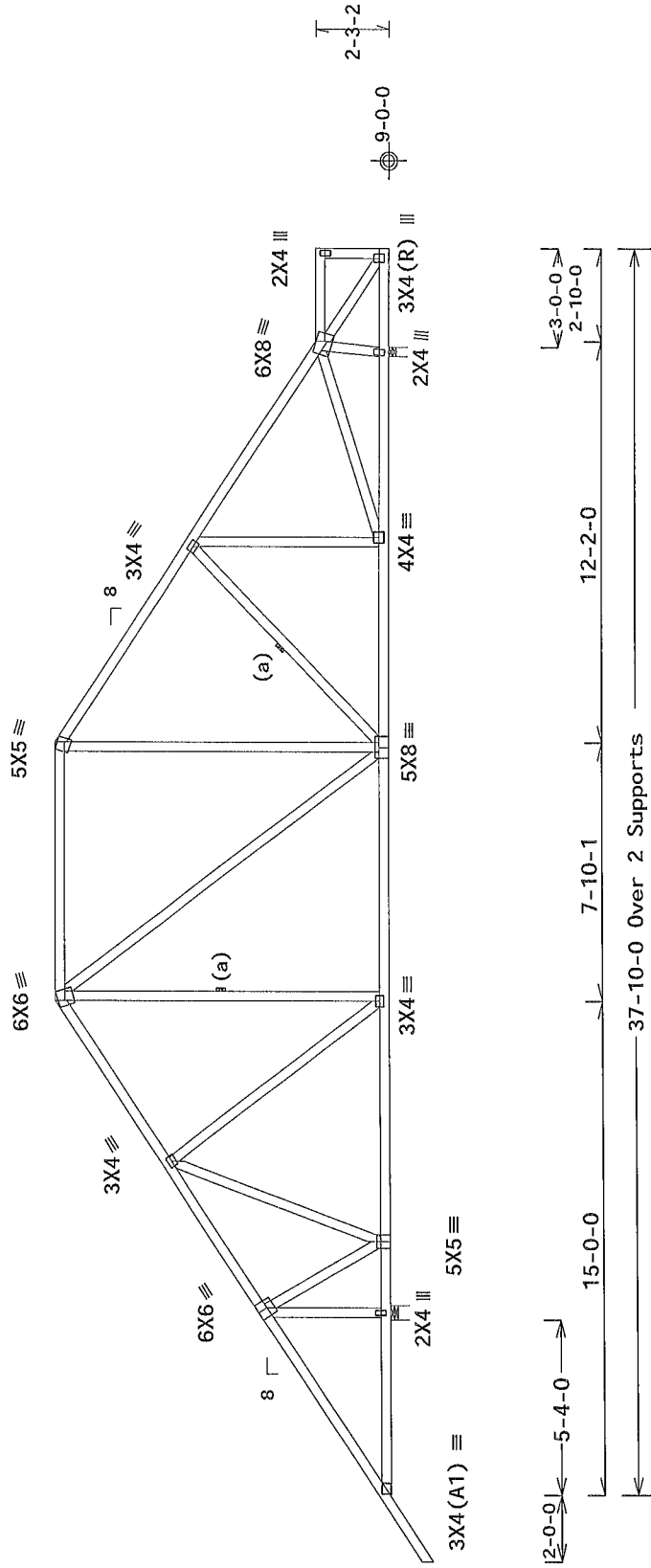
Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 10-4-7.

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



R=1803 U=38 W=4.95" (4.95" min.)
RL=201/-204

R=1399 U=31 W=3.5" (3.5" min.)

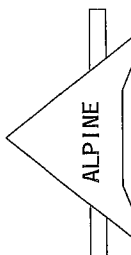
PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

QTY: 1

FL/-1/-1/-R/-

Scale = .1875"/Ft.

 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 any 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 a properly attached rigid ceiling. Trusses shall be braced in accordance with BCSI sections 83, 87 or 810 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 to the design shown. The responsibility for the design shown is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page 1, ITW-B05 www.tpinet.org, TPI www.tpinet.org WCA www.subcontractors.com IBC www.ircsource.org		TC LL	20.0	PSF	REF	R215--	27469
			TC DL	10.0	PSF	DATE	10/26/13	
			BC DL	10.0	PSF	DRW	HGUSR215	13299001
			BC LL	0.0	PSF	HC-ENG	AP/AP	
			TOT.LD.	40.0	PSF	SEQN-	217343	
			DUR.FAC.	1.25		FROM	CDM	
			SPACING	24.0"		JREF-	1VOS215_Z01	

Top	chord	2x4	SP	M-31
Bot	chord	2x4	SP	M-31
	webs	2x4	SP	M-31

130 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=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Left and right cantilevers are exposed to wind

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

(a) Continuous lateral restraint equally spaced on member.

Right end vertical not exposed to wind pressure.

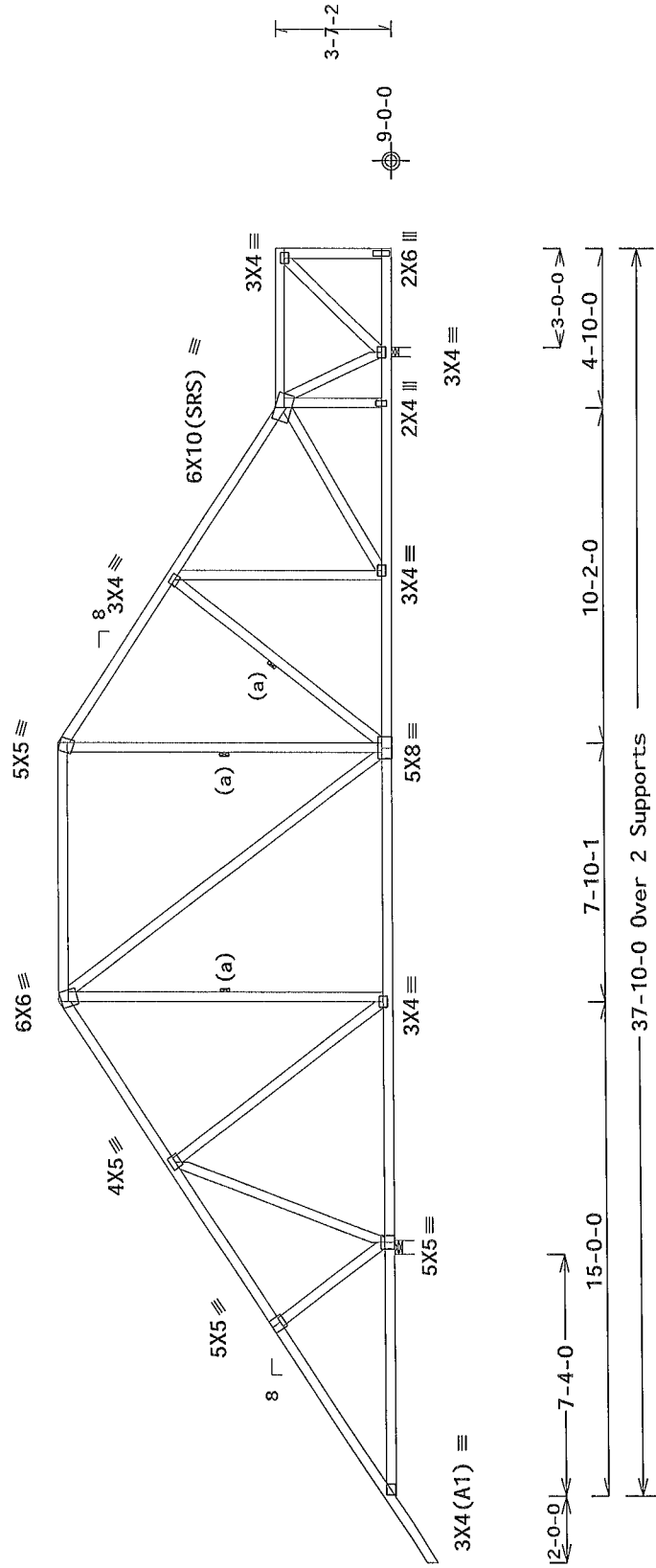
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 10-4-7.

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



R=1948 U=29 W=4.95" (4.95" min.)
RL=192/-187

Design Crit: $\text{FBC2010Res/TP1-2007(STD)}$
 $\text{FT/RT}=20\%(0\%)/10(0)$

PLT TYP: Wave

12.03.05 09:17 QTY:1

Scale = .1875"/Ft.

****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 BCSI (Building Component Safety Information by the WTC) for safety practices prior to performing these operations. Trusses shall be properly braced per BCSI. Trusses shall be properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section 83. B7 or B10 as applicable 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. The manufacturer of the truss shall be responsible for the conformance with ANSI/TPI 1 or for handling shipping bracing of trusses. Apply places to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings TBOA-Z for standard plate positions. A seal on this drawing or cover plate listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. ANSI/TPI 1-2006 www.ansi.org/tpi-2006 This job is the property of ITWBCG. ITWBCG and design team, TPI and design project, TPIA www.industry.com

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

10/28/2012

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf GCPI (+/-)=0.18

Left cantilever is exposed to wind

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

(a) Continuous lateral restraint equally spaced on member.

Right end vertical not exposed to wind pressure.

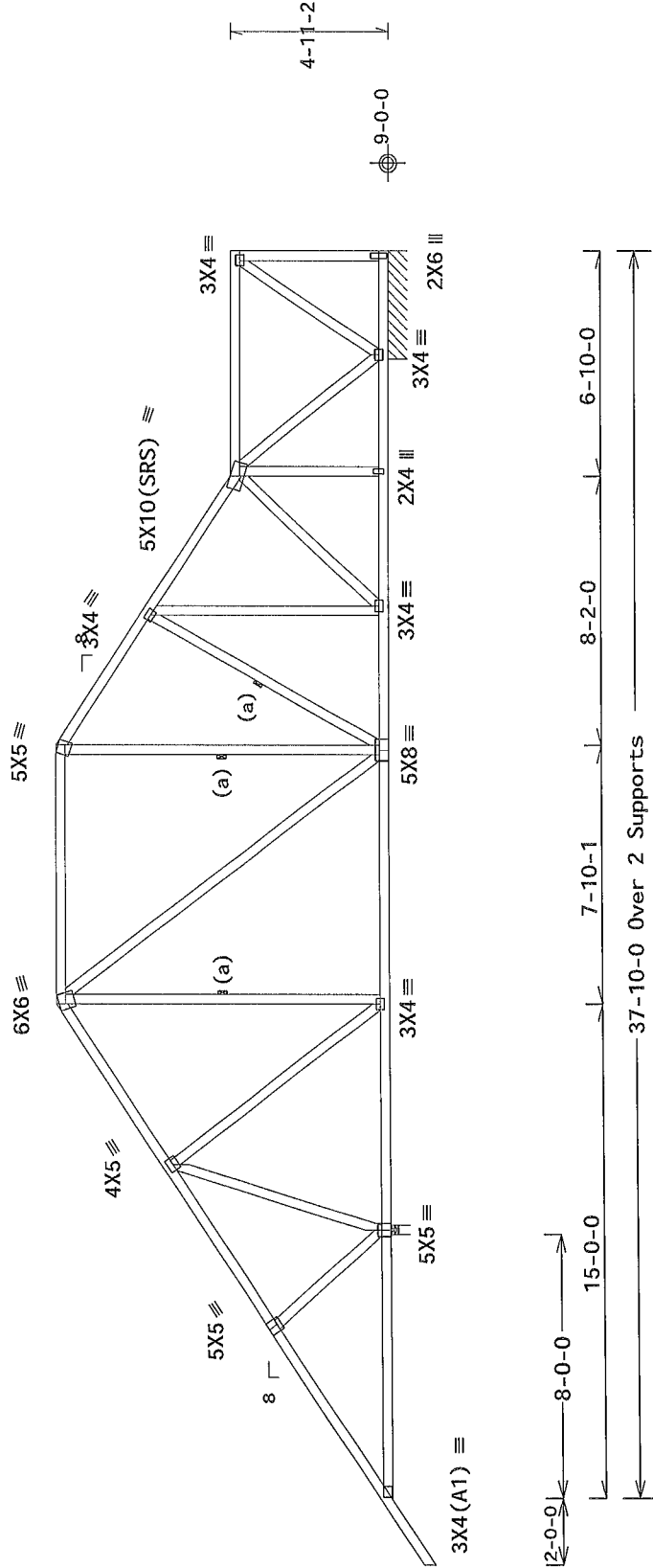
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 10-4-7.

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



R=393 PLF U=18 PLF W=3-3-8

R=1940 U=20 W=3.5" (3.5" min.)
RL=183/-170

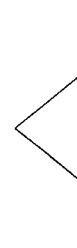
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

QTY:1

FL/-/1/-/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 Safety) Information by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of walls shall have bracing installed per BCSI sections BS-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, installing, or bracing of trusses. Apply plates to each face of the truss and use 1604-Z for standard plate positions. A seal on this details drawing page listing this drawing indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1 Sec 2. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page ITW-BCG www.itwbog.com, TPI www.tpinet.org, WTCA www.sbcindustry.com ICC www.iccintl.org		10-28-2013			
						
	TC LL	20.0	PSF	REF	R215--	27471
	TC DL	10.0	PSF	DATE	10/26/13	
	BC DL	10.0	PSF	DRW	HCU5R215	13299003
	BC LL	0.0	PSF	HC-ENG	AP/AP	
TOT.LD.	40.0	PSF	SEQN-	217349		
DUR.FAC.	1.25		FROM	CDM		
SPACING	24.0"		JREF-	1VOS215_Z01		

10/28/2013

Top	chord	2x4	SP	M-31
Bot	chord	2x4	SP	M-31
	Webbs	2x4	SP	M-31

130 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=5.0 psf, wind BC DL=5.0 psf. GCpl (+/-)=0.18

Left cantilever is exposed to wind

(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/360 live and L/240 total load Creep increase factor for dead load is 1.50.

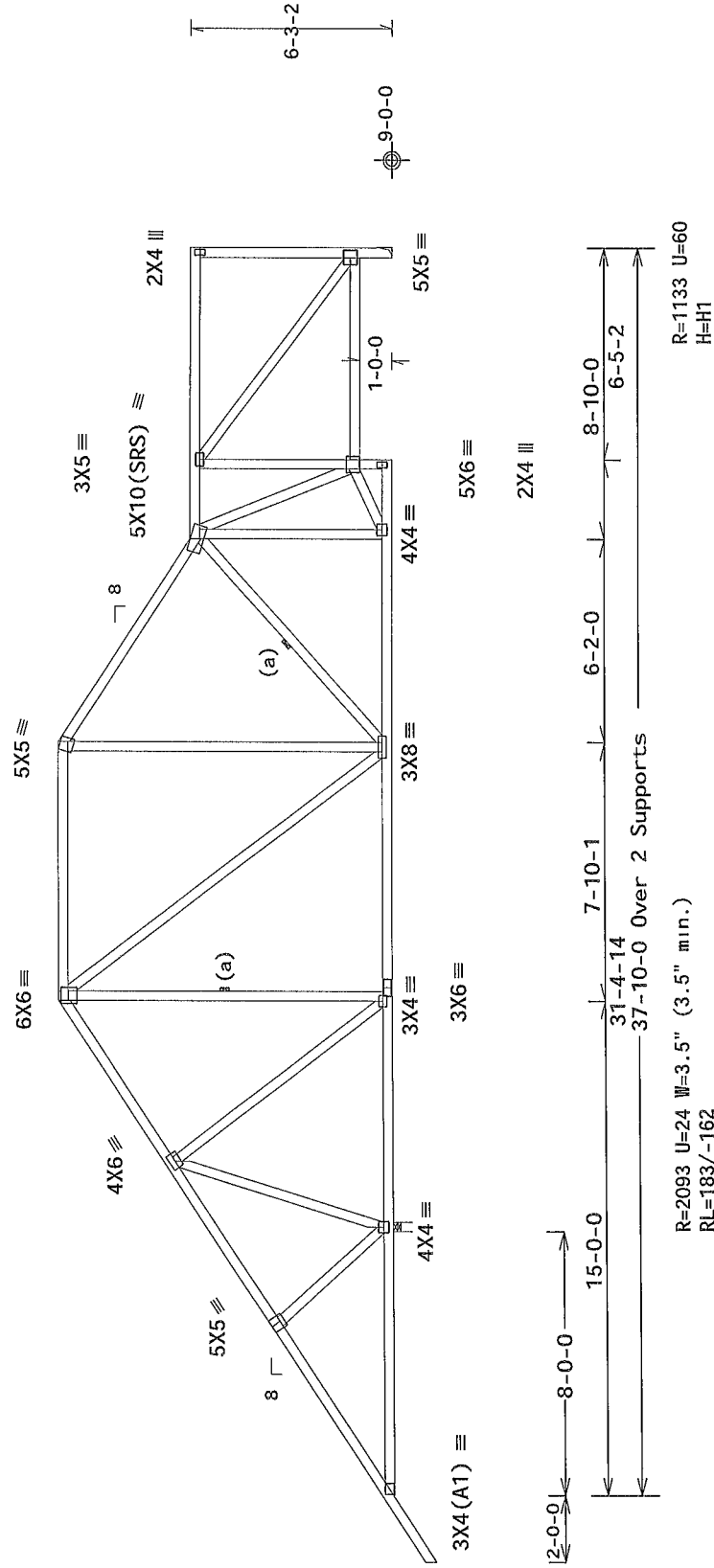
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

The overall height of this truss excluding overhang is 10-4-7.

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



PIT TYP. Wave

Design Crit: $\text{FBC2010Res/TPI-2007(STD)}$
 $\text{FT/RT}=20\%(0\%)/10(0)$

03.05.2017

FL/-/1/-/-/R/-/-

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R215--	27472
TC DL	10.0	PSF	DATE	10/26/13	
BC DL	10.0	PSF	DRW	HCUSR215	13299004
BC LL	0.0	PSF	HC-ENG	AP/AP	
TOT.LD.	40.0	PSF	SEQN-	217358	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1V0S215_Z01	

A circular professional engineer seal for the State of Florida. The outer ring contains the text "WALTER P. FINN" on the left and "PROFESSIONAL ENGINEER" on the right. The inner ring contains "STATE OF FLORIDA". In the center, it says "LICENSE" and "No. 22839". A signature is written across the seal.

****IMPORTANT****
***WARNINGS** 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 instructions on the ITW Building Components Safety Information on by TPI and WTCA for safety details on all trussing. ITW Building Components shall provide temporary bracing per BCSI.

Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing the drawing indicates acceptance of professional engineering responsibility solely for the design shown. The responsibility of this design is the responsibility of the individual providing the design per ANSI/TPI 1. For more information see This Job is the responsibility of ITW Building Components, TPI www.tpinet.org WTCA www.subindustry.com ITW-BGS www.itwbgs.com.

100-11165695-019

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

Top	chord	2x4	SP	M-31
Bot	chord	2x4	SP	M-31
	Web	2x4	SP	M-31

130 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=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0 18

Left cantilever is exposed to wind

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

(a) Continuous lateral restraint equally spaced on member.

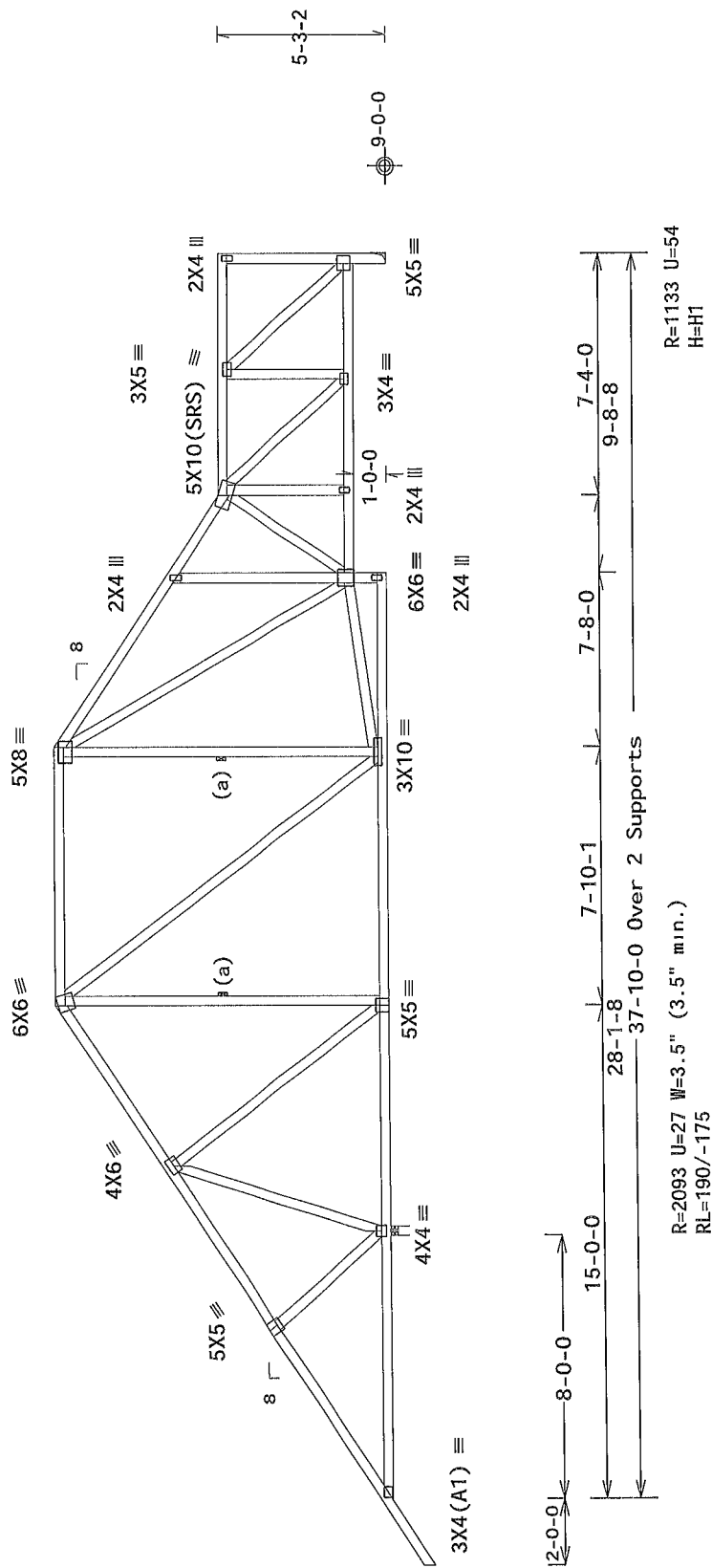
Right end vertical! not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 10-4-7.

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

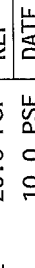


R=2093 U=27 W=3.5" (3.5" min.)
RL=190/-175

Design Crit.: FBC2010Res/TPI-2007(STD)

	Design Crit.	FBC2010KES/IPI-200/(SID)	FT/RT-20%(0%)/10(0)	12	03	05	0416	17	QTY.1	EL/-/1/-/-/R/-	Scale = .1875"/Ft.
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PLI IYP. Wave



ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837

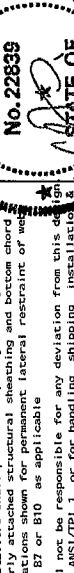
****IMPORTANT**** ****WARN! INC**** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information) on by TPI 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 at the correct lateral restraint of wall. Trusses shall have a property attached rigid ceiling. Locations shown on this drawing are for information only. Trusses shall have bracing installed per BCSI sections 85 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 or bracing of trusses. Apply plates to each face of truss per ANSI/TPI 1 or for handling shipping installation to each face of truss per ANSI/TPI 1 or for handling shipping installation to the joint. Details unless noted otherwise. Listing in this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes pages ITW-BCG www.itwbcg.com TPI www.tpinet.org WTCO www.shedindustry.com

TC LL	20.0 PSF	REF	R215--	27474
TC DL	10.0 PSF	DATE	10/26/13	
BC DL	10.0 PSF	DRW	HCUSR215	13299006
BC LL	0.0 PSF	HC-ENG	AP/AP	
TOT. LD.	40.0 PSF	SEQN-	217367	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	



10/28/2013

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

Left cantilever is exposed to wind

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

(a) Continuous lateral restraint equally spaced on member.

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

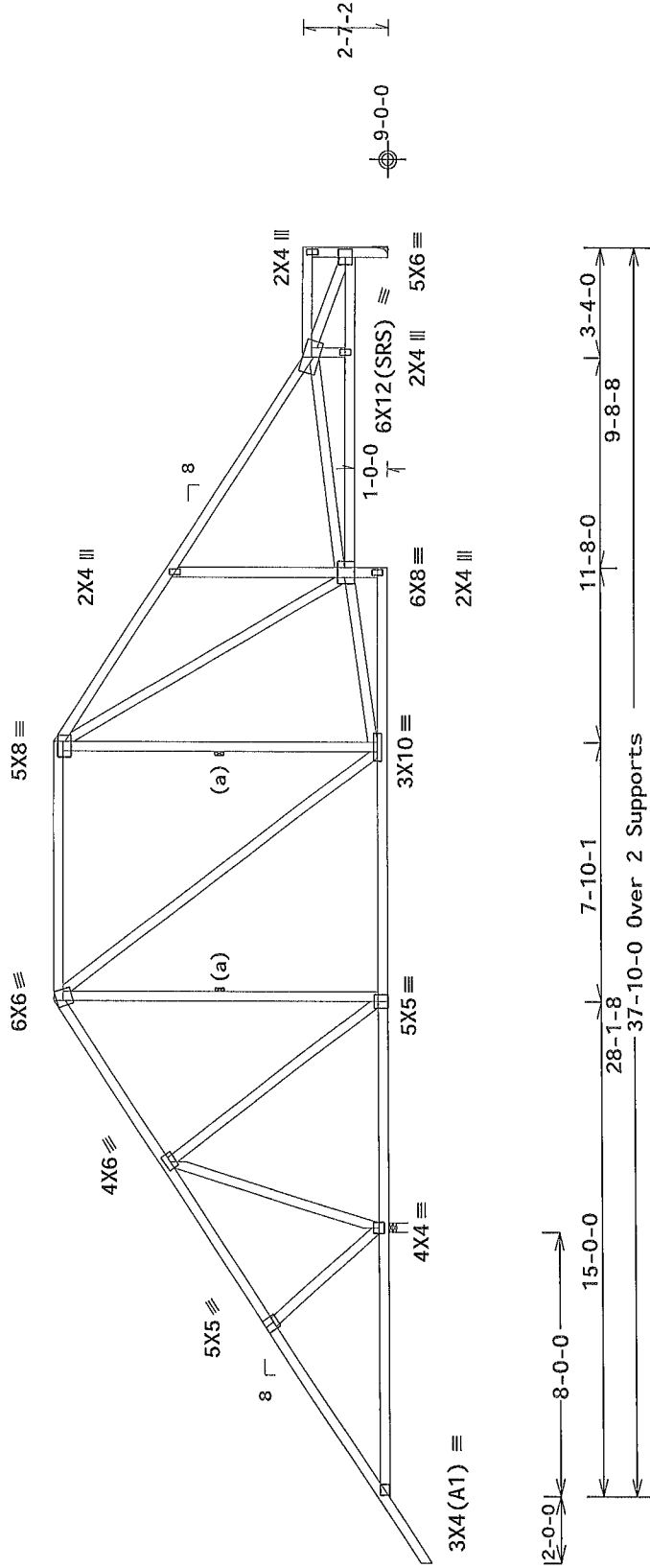
Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 10-4-7.

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



R=2093 U=32 W=3 5" (3.5" min.)
RL=208/-209

R=1133 U=41
H=H1

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

QTY: 1

12.03.05.0416.17

FL/-/1/-/-/R/-

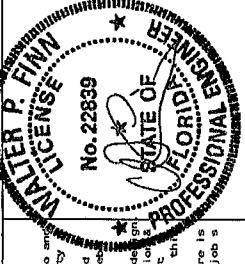
Scale = .1875"/Ft.

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 any follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTCA for BCSI 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 wall 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 or erecting the truss. ITWBCG shall not be responsible for any damage to property or persons caused by the use of the truss. 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. The responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page. ITWBCG www.itwbcg.com TPI www.tpi.org WTCA www.sabinindustry.com IBC www.losafe.org



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

10/28/2013

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf, 6Cp1 (+/-)=0.18

Left cantilever is exposed to wind

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

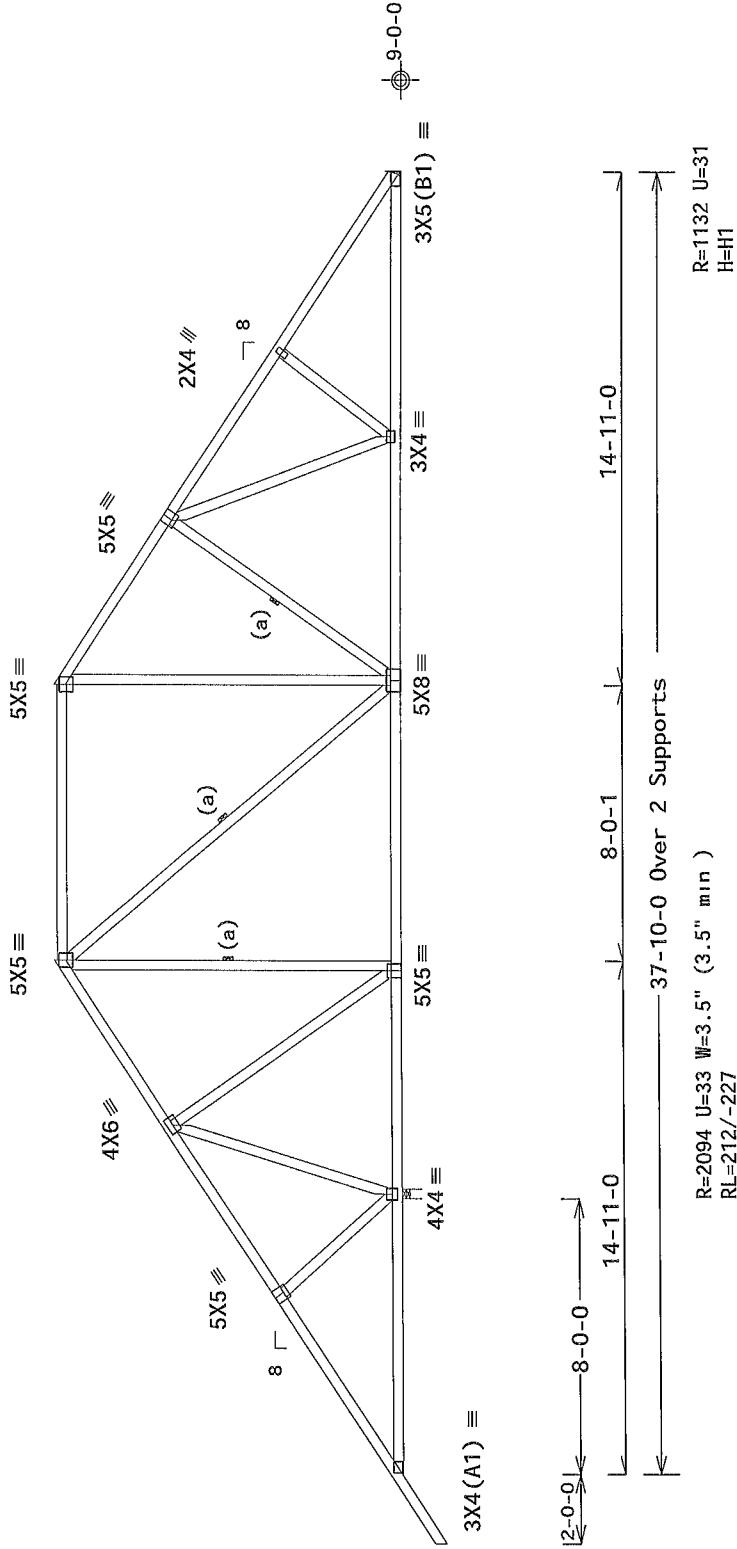
(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 10-3-12.

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



PLT TYP. Wave

Design Crit FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .1875"/Ft.

QTY: 1

12.03.05 0416.17

FL/-/1/-/-/R/-

TC LL 20.0 PSF

REF R215-- 27477

DATE 10/26/13

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT. LD. 40.0 PSF

DUR. FAC. 1.25

SPACING 24.0"

HC-ENG AP/AP

SEQN- 217380

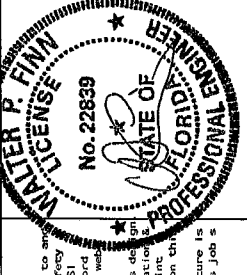
FROM CDM

JREF- 1VOS215_Z01

10/28/2013

10/28/2013

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 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
Unless noted otherwise, top chord shall have properly attached structural shouthing and bottom chord
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of wall
shall have bracing installed per BCSI sections 55, 57 or 810 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 the design shown. The truss manufacturer shall be
responsible for the design shown. The suitability and use of this design for any structure is
drawing or cover page listing this drawing. Indicates acceptance of professional engineering
responsibility solely for the design shown. The suitability and use of this design for any structure is
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's
general notes page. ITW-BCG www.itwbcg.com, TPI www.tpi.net, WTC www.wtcindustry.com
ICC www.iccsafe.org

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

Left cantilever is exposed to wind

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

(a) Continuous lateral restraint equally spaced on member.

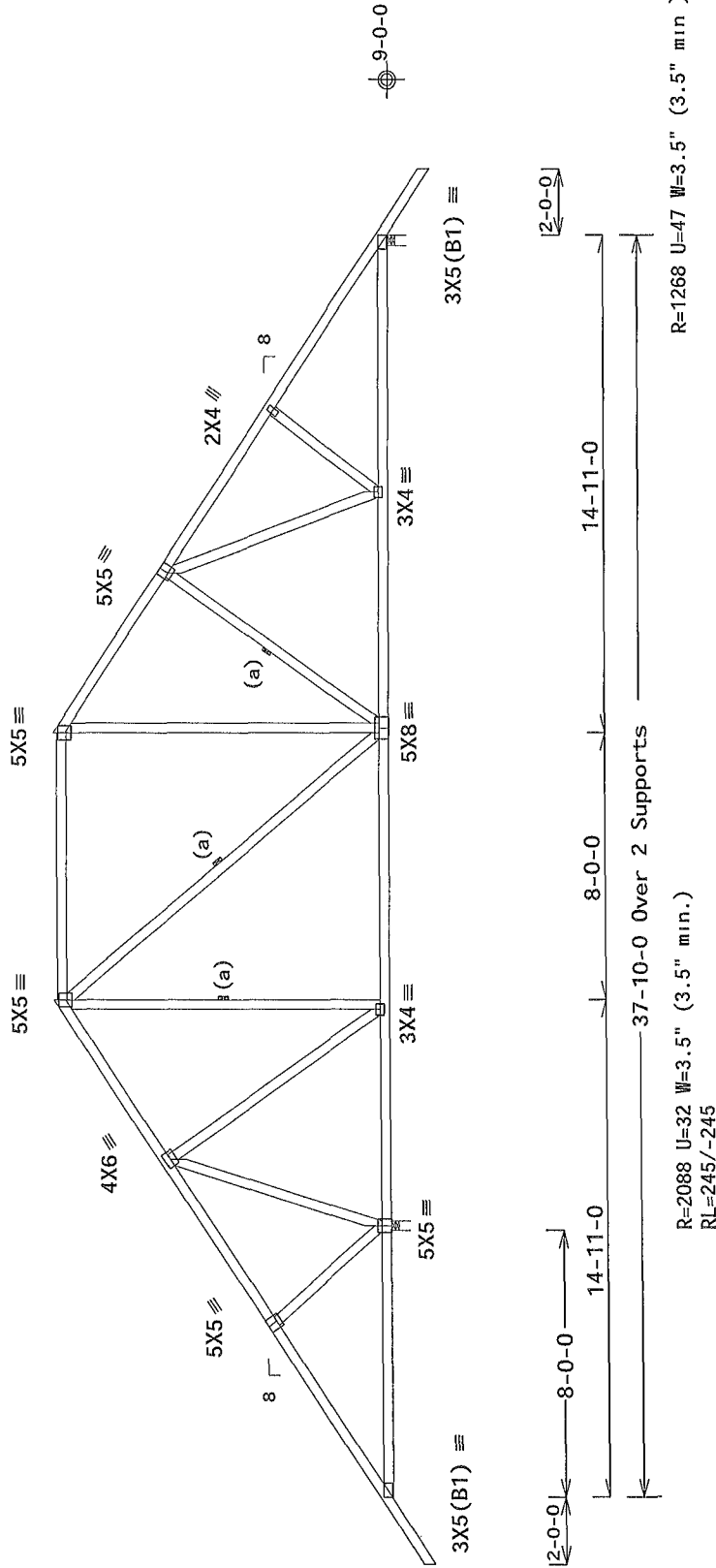
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 10-3-13.

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



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

12.03.05

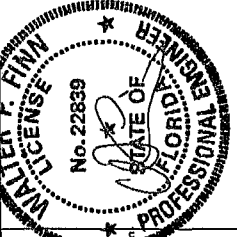
QTY:1

FL/-/1/-/-/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!
****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 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 for purlins and other lateral restraints or wind bracing shall have bracing installed per BCSI sections B5 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 this design. The responsibility for the design is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page ITW-B26 www.itwbcg.com, TPI www.tpiinc.com, WTC www.wtcinc.com
ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R215--	27478
TC DL	10.0 PSF	DATE	10/26/13	
BC DL	10.0 PSF	DRW	HCUSR215	13299010
BC LL	0.0 PSF	HC-ENG	AP/AP	
TOT. LD.	40.0 PSF	SEQN-	217383	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	

10/28/2013

Top	chord	2x4	SP	M-31
Bot	chord	2x4	SP	M-31
	Webs	2x4	SP	M-31

130 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=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Left cantilever is exposed to wind

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

(a) Continuous lateral restraint equally spaced on member.

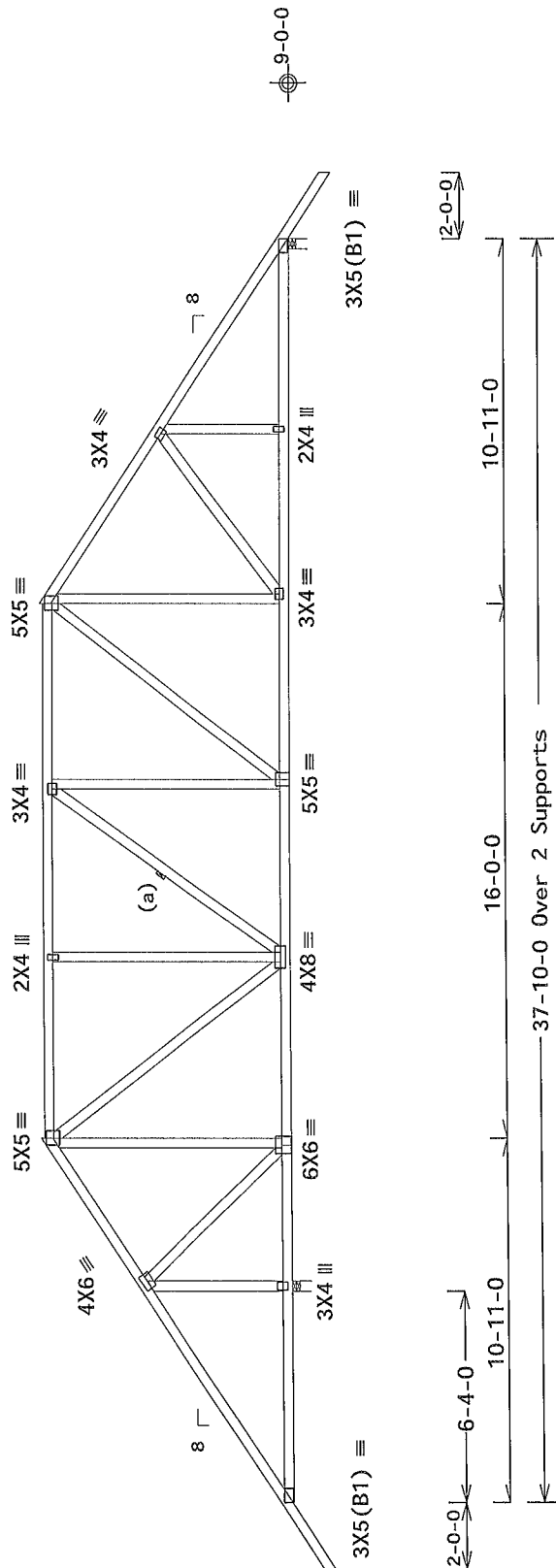
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 7-7-13.

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



R=1976 U=48 W=3.5" (3.5" min.)
RL=192/-192

R=1356 U=55 W=3.5" (3.5" min.)

PLOT TYP.: Wave

Design Crit. FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

QTY: 1

FL/-/1/-/-/R/-

Scale = .1875"/Ft.

PLI IYP. Wave

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

****IMPORTANT****

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLING

Trusses require extreme care in fabricating handling shipping installing and bracing Refer to and follow the latest edition of BCOSI (Building Component Safety Information) by TPI and WDA for safety practices prior to performing these functions Installers shall provide adequate bracing for all BCOSI members noted comprising installed rigid ceiling sections Locations shown for permanent lateral restraint of walls will have bracing installed per BCOSI sections 83 B7 or B10 as applicable

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from this design. The manufacturer shall provide all drawings, specifications, and details for the installation of all trusses and roof systems. Apply plates to each face of truss and position as shown above and on the Joist Details section of this drawing. Refer to drawings 160K-2 for standard plate positions. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ITW-BCG's new design per TPI membership.org WTCA www.abcdindustry.com

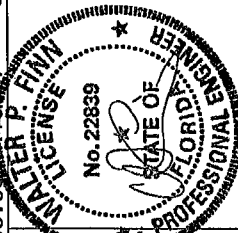
ALPINE

ITW Building Components Group Inc.

Orlando FL 32837

FL COA #0 278

~~10/28/2013~~



Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl (+/-)=0.18

Left cantilever is exposed to wind

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

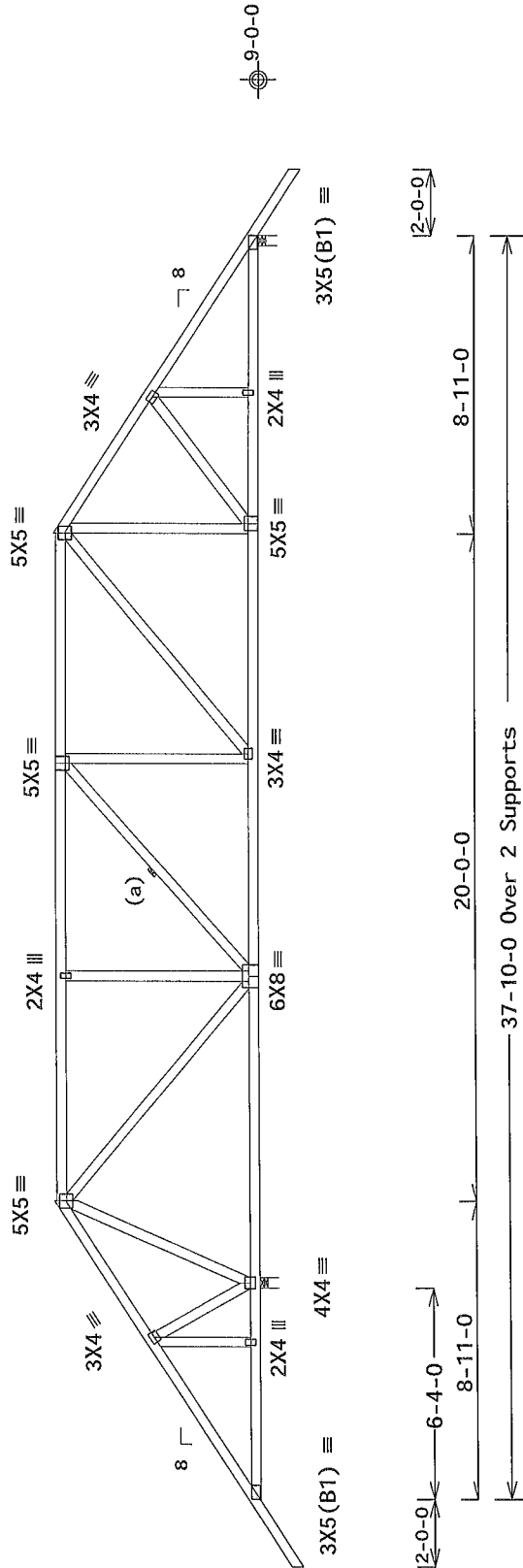
(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 6-3-13.



R=1976 U=53 W=3.5" (3.5" min)
RL=166/-166
R=1356 U=59 W=3.5" (3.5" min.)

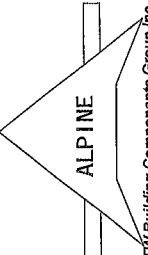
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

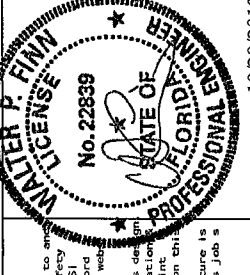
PLT TYP. Wave

QTY: 1

FL/-/1/-/-/R/-

Scale = .1875"/Ft.

 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 handling shipping installing and bracing Refer to any follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTCA for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling Locations shown for proper lateral restraint of webs shall have bracing installed per BCSI sections B5 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/TPI 1 or for handling loading or erection of the truss in any manner not shown on the drawings or on the joint details unless noted otherwise Refer to drawings 1600-2 for standard plate positions A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This Job's general notes page ITW-BCSI www.itwbcg.com TPI www.tpiinc.org WTCA www.wtcausa.org		**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!	
	TC LL	20.0 PSF	TC DL	10.0 PSF
	BC DL	10.0 PSF	BC LL	0.0 PSF
	TOT. LD.	40.0 PSF	DUR. FAC.	1.25
	SPACING	24.0"	JREF-	1VOS215_Z01
	REF	R215-- 27481	DATE	10/26/13



10/28/2013

Top chord 2x4 SP 2400f-2 0E
Bot chord 2x4 SP 2400f-2 0E

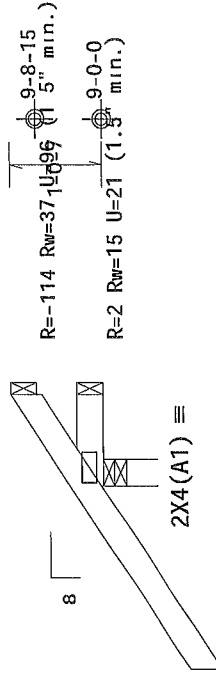
Bottom chord checked for 10.00 psf non-concurrent live load.

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof. RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf GCPI(+/-)=0.18

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

The overall height of this truss excluding overhang is 1-0-7.



2-0-0
1-0-0 Over 3 Supports

R=350 U=53 W=3.5" (3.5" min.)
RL=38/-35

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

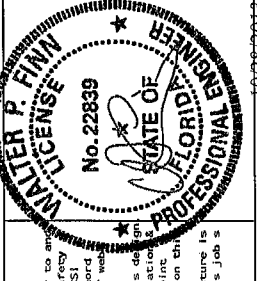
12.03.03.0225.14

QTY: 8

FL/-1/-/-/R/-

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R215--	27483
TC DL	10.0 PSF	DATE	10/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13298005
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT. LD.	40.0 PSF	SEQN-	382610
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1VOS215_Z01



****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 any previous edition of BCSI (Building Component Safety Information) by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of wall shall have bracing installed per BCSI sections 53, 57 or 810 as appl cable
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 members in accordance with ANSI/TPI 1. Details of trusses shall be listed in this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This job's general notes page ITW-806 www.itwbcg.com TPI www.tpiinst.org WTCA www.sbcindustry.com
ICC www.iccsafe.org

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

10/28/2013

(8298BB-/KIRCHENSTINER RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - J3)

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E

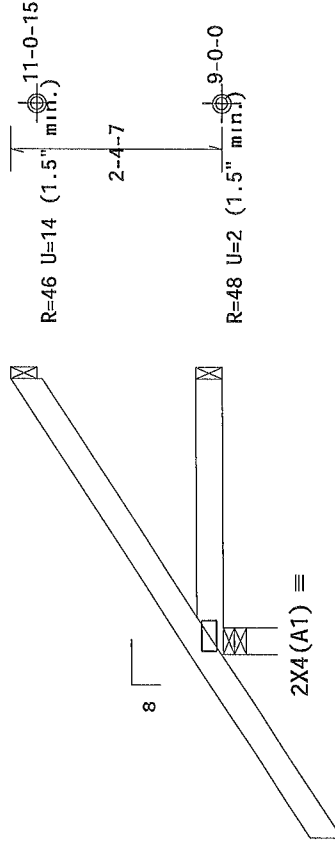
Bottom chord checked for 10.00 psf non-concurrent live load.

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

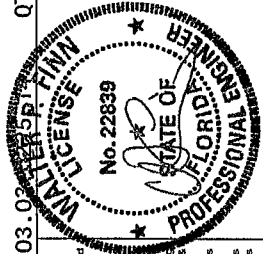
The overall height of this truss excluding overhang is 2-4-7.



2-0-0
3-0-0 Over 3 Supports
R=308 U=13 W=3.5" (3.5" min.)
RL=64/-43

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave



TC LL	20.0 PSF	QTY: 6	FL/-/1/-/1/-/R/-	Scale = 5"/Ft.
TC DL	10.0 PSF	REF	R215--	27484
BC DL	10.0 PSF	DATE	10/25/13	
BC LL	0.0 PSF	DRW	HCUSR215	13298004
TOT. LD.	40.0 PSF	HC-ENG	KD/AP	
DUR. FAC.	1.25	SEQN-	382612	
SPACING	24.0"	FROM	CDM	
		JREF-	1VOS215_Z01	

****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 read 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 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 places to each face of truss and position as shown above and on the Jointed Details notes. Unless noted otherwise, this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page ITW-BCG www.tbog.com, TPI www.tpinet.org WCA www.sbcindustry.com ICC www.iccsafe.org

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

Top chord	2x4	SP	M-31
Bot chord	2x4	SP	M-31
Webbs	2x4	SP	M-31

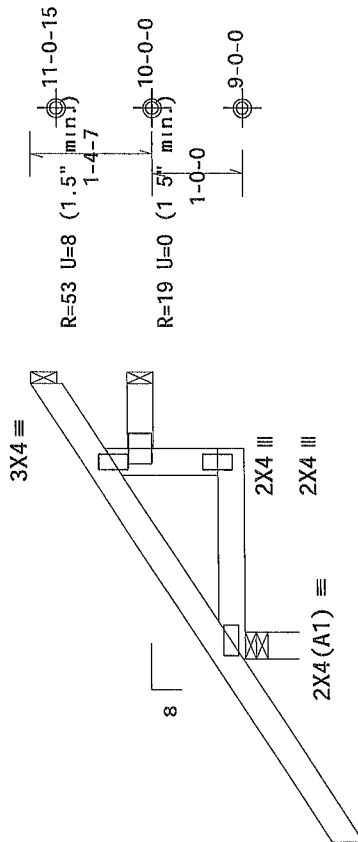
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl (+/-)=0.18

Bottom chord checked for 10.00 psf non-concurrent live load.

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.

The overall height of this truss excluding overhang is 2-4-7.



2-0-0

3-0-02-3-8 Over 3 Suppliers

R=308 U=13 W=3.5" (3.5" min.)
RL=64/-43

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PIT TYP Wave

QTY: 2

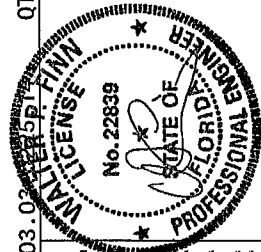
FL/-/1/-/-/R/-

Scale = .5"/Ft.

****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 BCSI (Building Components Safety Information) by the BCSI for safety precautions prior to performing these tasks. Properly attached structural sheathing and bottom chord bracing are extremely important to the structural integrity of the truss. Locations shown for permanent lateral restraint of webs are bracing installed per BCSI sections B3, B7 or B10 as applicable.

THE Building Components Group Inc. (TBCG) shall not be responsible for any deviation from this design. TBCG shall be responsible for the performance with ANSI/TPI 1 or for handling shipping and installation & handling of the components. Apply plates to each face of transverse position and on the joint. Decals unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover plate listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer. For ANSI/TPI 160-2000, visit www.tpi.org. This job is the responsibility of the building designer. For ANSI/TPI 160-2000, visit www.tpi.org. WICA www.abcdindustry.com



10/28/2013

SPACING 24.0"

1V0S215_Z

Orlando FL, 32837
FL COA #0 278

FL COA #0218

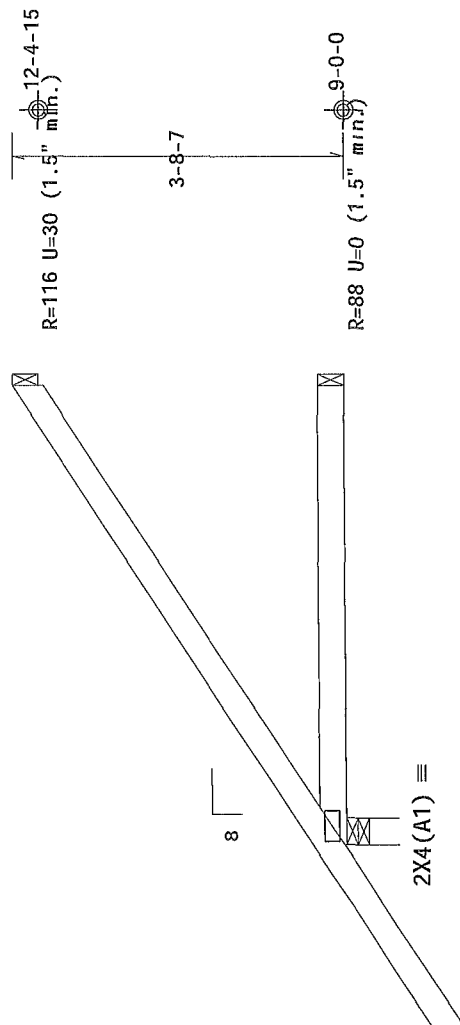
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0 18

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

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.

The overall height of this truss excluding overhang is 3-8-7.





 R=366 U=2 W=3.5" (3 5" min.)

 RI =90/-51

PLT TYP.	Wave	Design Crit.	FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0)
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
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11	11	11	11
12	12	12	12
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14	14	14	14
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18	18	18	18
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96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

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

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

[illegible]

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

QTY: 6	FL / - / 1' - / - / R / -	Scale = .5" / Ft.
TC LL	20.0 PSF	REF R215-- 27486
TC DL	10.0 PSF	DATE 10/25/13
BC DL	10.0 PSF	DRW HCUR215 13298003
BC LL	0.0 PSF	HC-ENG KD/AP
TOT. LD.	40.0 PSF	SEQN- 382614
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1V0S215_Z01

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

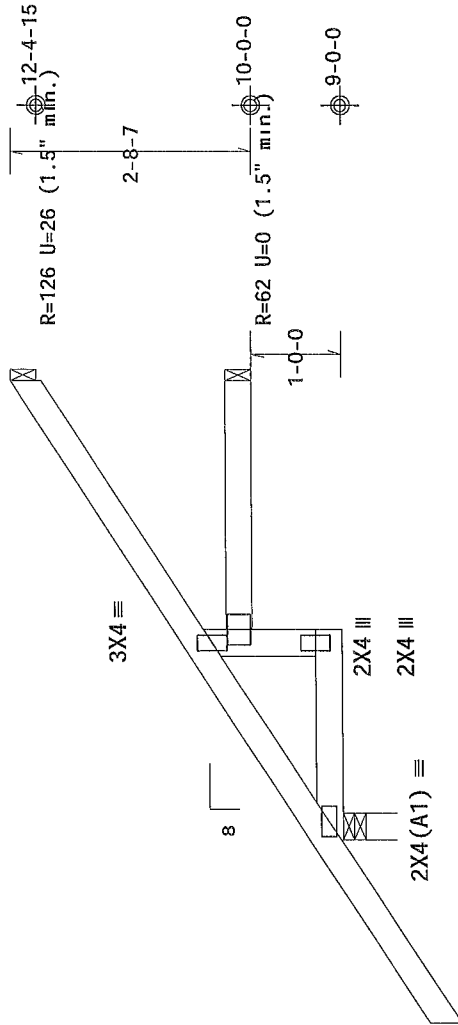
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

Bottom chord checked for 10.00 psf non-concurrent live load.

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.

The overall height of this truss excluding overhang is 3-8-7.



2-0-0

2-3-8
5-0-0 Over 3 Supports

R=366 U=2 W=3.5" (3 5" min.)
RL=90/-51

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

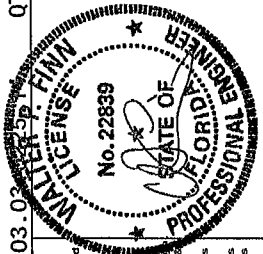
12.03.03

QTY 2

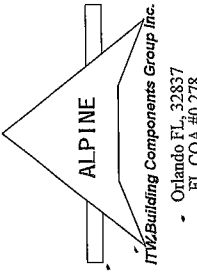
FL/-/1/-/1/-/R/-

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R215--	27487
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298044
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT. LD.	40.0 PSF	SEQN-	382621	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and MTOA 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 B5, 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 conformance with the design shown. A seal on this drawing or truss shall indicate acceptance of professional engineering. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering. The responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page. ITW-BGC www.itwbcg.com TPI www.tpinet.org MTOA www.mtoaindustry.com
10/28/2013



Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E

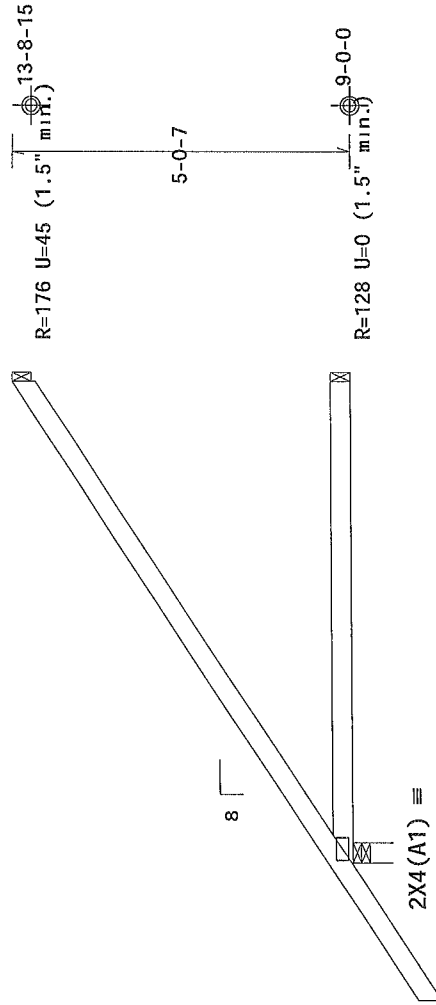
Bottom chord checked for 10.00 psf non-concurrent live load.

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

The overall height of this truss excluding overhang is 5-0-7.



← 2-0-0 →

← 7-0-0 Over 3 Supports →

R=437 U=0 W=3.5" (3.5" min.)
RL=116/-58

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .375"/Ft.

****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 any follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of wall shall have bracing installed per BCSI sections 53, 57 or 810 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 pieces as shown. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's General notes page ITW-BCG www.itwbcg.com, TPI www.tpi.net WTCA www.wtcainc.org
FCC www.fccinfo.org



TC LL	20.0 PSF	QTY. 25	FL/-/1/-/-/R/-	REF	R215--	27488
TC DL	10.0 PSF			DATE	10/25/13	
BC DL	10.0 PSF			DRW	HCUSR215	13298009
BC LL	0.0 PSF			HC-ENG	KD/AP	
TOT. LD.	40.0 PSF			SEQN-	382616	
DUR. FAC.	1.25			FROM	CDM	
SPACING	24.0"			JREF-	1VOS215_Z01	

ALP INE
ITW Building Components Group Inc.
- Orlando FL 32837
FL COA #0 278

10/28/2013

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

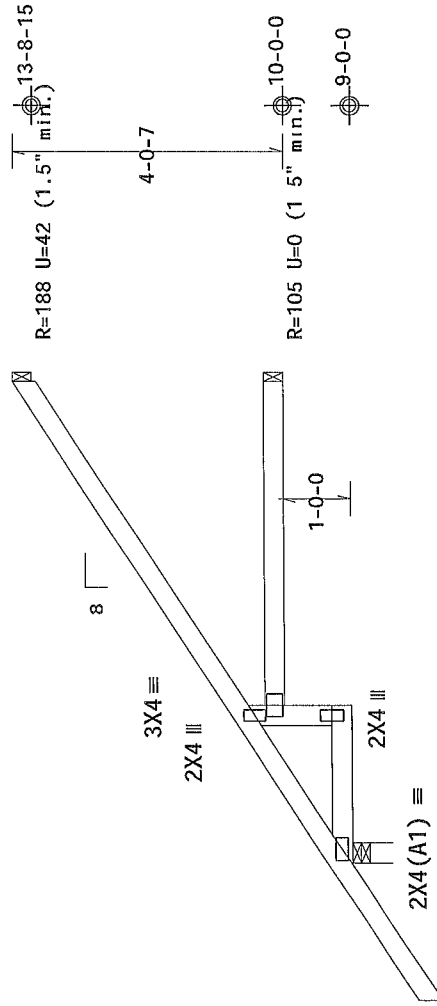
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

Bottom chord checked for 10.00 psf non-concurrent live load.

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.

The overall height of this truss excluding overhang is 5-0-7.



2-0-0

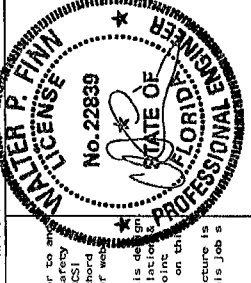
2-3-8
4-8-8
7-0-0 Over 3 Supports

R=437 U=0 W=3.5" (3.5" min.)
RL=116/-58

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R215--	27489
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298007
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT. LD.	40.0 PSF	SEQN-	382619	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1V0S215_Z01	



****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 any follow the latest edition of the BCSI Building Components Group Inc. (ITWBCG) for more information on by TPI and WTCA) for safety. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint drawing or cover page listing the design. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page. ITW-BG www.itwbg.com TPI www.tpinet.org WTCA www.abcdindustry.com
ICC www.iccsafe.org

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

(8298BB-KIRCHENSTINER RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - J10A)

Top chord 2x4 SP 2400F-2.0E
Bot chord 2x4 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E

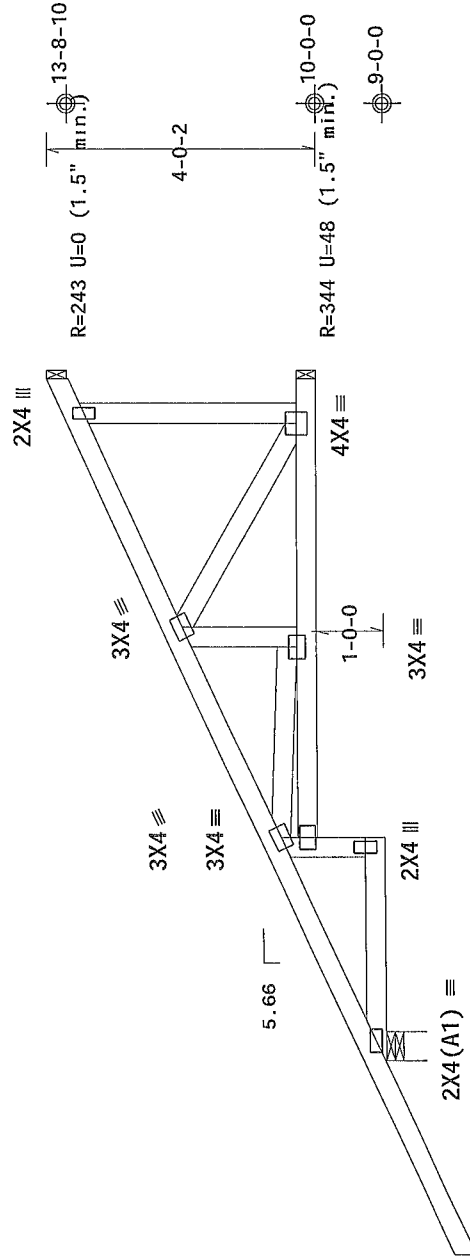
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf GCpl (+/-)=0.18

Wind loads and reactions based on MWFRS.

Hipjack supports 7'-0" setback jacks with no webs.

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

The overall height of this truss excluding overhang is 5'-0"-2.



2-9-15

3-2-14 9-10-13 Over 3 Supports

R=524 U=45 W=4.95" (4 95" min.)

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

QTY 1

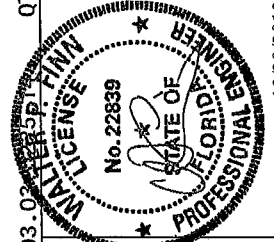
FL/-/1/-/-/R/-

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 instructions on the back of the truss for proper installation and bracing. A seal on this truss is required 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 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 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 and plate positions. A seal on this truss is required prior to performing these functions. The suitability and use of this design for any structure is the responsibility solely of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page ITW-BGS www.itwbcg.com, TPI www.tpinet.org, WTC www.wtcindustry.com
ICC www.iccsafe.org



10/28/2013

TC LL	20.0 PSF	REF	R215--	27491
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298010
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT.LD.	40.0 PSF	SEQN-	382714	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	

Top chord 2x4 SP 2400F-2.0E
Bot chord 2x4 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E

130 mph wind, 20.64 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf, GCPI (+/-)=0.18

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

See Detail PB160100212 for piggyback details

Special loads

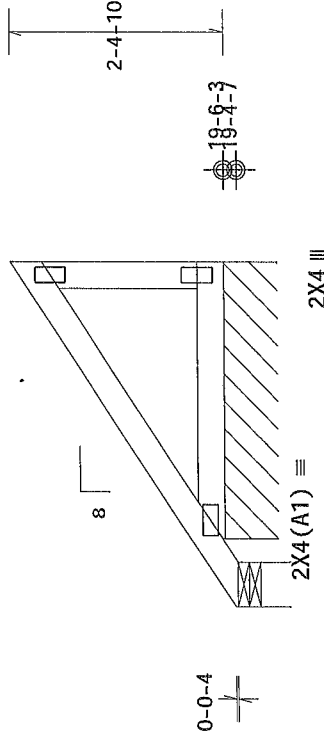
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at -0.74 to 60 plf at 3.02
BC- From 4 plf at -0.74 to 4 plf at 3.02

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 2-6-6.

2X4 III



≤ 3-9-2 Over 2 Supports ≥

R=31 RW=50 U=27 W=5.935" (5.935" min.)
RL=60

R=85 PLF U=34 PLF W=3-0-3

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

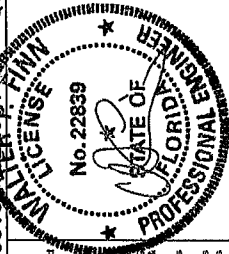
PLT TYP. Wave

QTY: 3

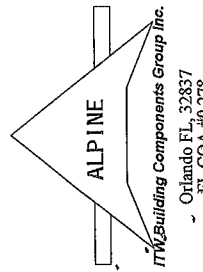
FL/-1/-/-/R/-

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R215--	27492
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298021
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT. LD.	40.0 PSF	SEQN-	382661	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	



****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 BCSI (Building Component Safety) Information on by TPI and WTCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections E3, E7 or E10 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 pieces of bracing as shown in this drawing. Refer to drawings 1600-2 for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page. ITW-BCSI www.itwbcg.com, TPI www.tpi.net org, WTCA www.sbcindustry.com
ICC www.iccsafe.org



10/28/2013

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

1130 mph wind, 20.69 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf. GCpl(+/-)=0.18

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

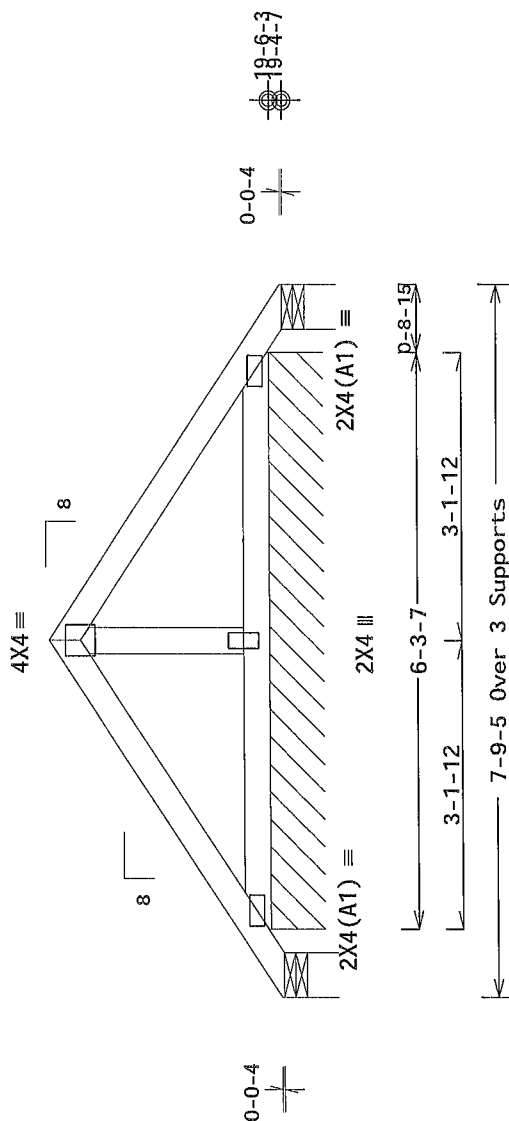
See Detail PB160100212 for piggyback details

Special loads

Special Loads	-----(Lumber	Dur.Fac.=1.25 /	Plate	Dur.Fac.=1.25)
TC-	From	60 plf at -0.74	to	60 plf at 3.14
TC-	From	60 plf at 3.14	to	60 plf at 7.03
BC-	From	4 plf at -0.74	to	4 plf at 7.03

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

The overall height of this truss excluding overhang is 2-7-6.



R=1 R_W=11 U=14 W=5.935" (5.935" min.)

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

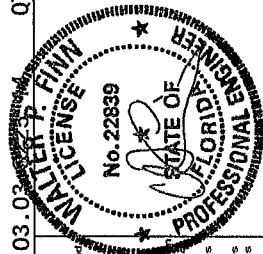
PLT TYP. Wave

QTY:15 FL/-/1/-/-/R/- Scale = .5"/Ft.

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

Trussess require extreme care in fabricating, handling, shipping, installing, bracing and erecting. Refer to and follow the latest edition of BCS1 (Building Code Specification) for all safety information by TPI and WTCA for safety and erection of BCS1. Trusses are designed to perform their functions. Installers shall provide temporary bracing per BCS1 as 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 been installed per BCS1 sections B3 or B10 as applicable.

LTM Building Components Group Inc. (LTMBCG) shall not be responsible for any deviation from this design due to failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation or bracing of cranes. Apply plates to each face of truss and position as shown above and on the Joist Details unless otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI Section 2. This job is covered under LTM-BCG's building design agreement. TPI www.tpi.net WTCA www.subindustry.com General notes page 9 of 10



10/28/2013

ITW Building Components Group Inc.
Orlando FL, 32837
Tel: 407 440 2780

Top	chord	2x4	SP	M-31
Bot	chord	2x4	SP	M-31
	Web	2x4	SP	M-31

1130 mph wind, 20.05 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf. GCp(+/ -)=0.18

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

The overall height of this truss excluding overhang is 1-4-0.

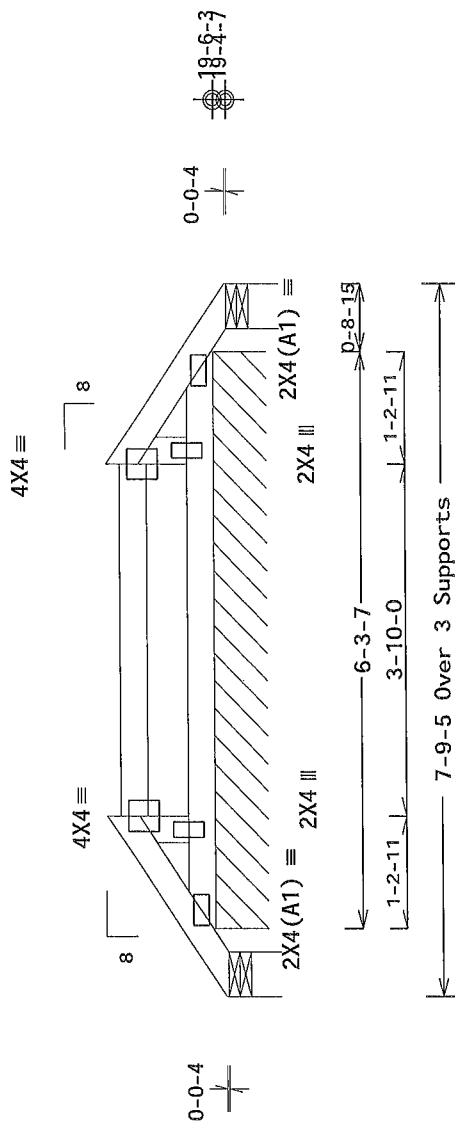
See Detail PB160100212 for piggyback details.

Special loads

Report	-----(Lumber	Dur. Fac.=1.25 / Plate Dur. Fac.=1.25)
TC-From	60 pif at -0.74 to	60 pif at 1.23
TC-From	60 pif at -1.23 to	60 pif at 5.06
TC-From	60 pif at 5.06 to	60 pif at 7.03
BC-From	4 pif at -0.74 to	4 pif at 7.03

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

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



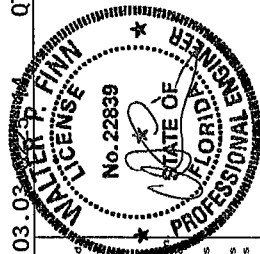
R=19 U=7 W=5.935" (5.935" min.)

Design Crit. FBC2010Res/TPI-2007(STD)
 $FT/RT=20\%(0\%)/10(0)$

PLOT TYP: Wave

0TV:1 EL/-/1/-/-/R/-
Scale = 5"/Ft.

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

[illegible][illegible]

10/28/2013

JREF- 1V0S215_Z01

SPACING 24.0"

10/28/2013

general notes page ITW-BCG www itwbcg com IPI www ipinst org WTCA www wtca org
CC www lccsafe org

Orlando FL, 32837
EY COA #0 278

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

130 mph wind, 19.83 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=5.0 psf, wind BC DL=1.2 psf. GCpl(+/-)=0.18

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

The overall height of this truss excluding overhang is 1-4-0.

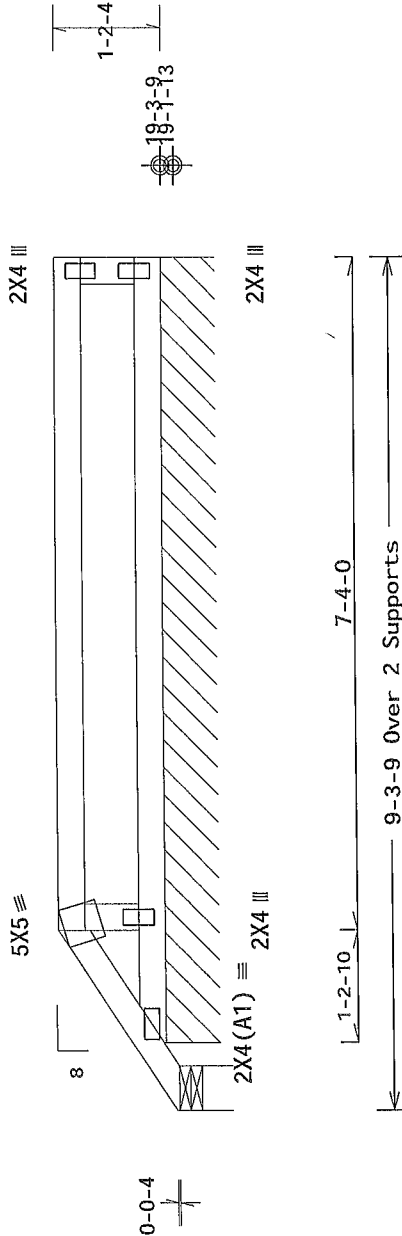
See Detail PB160100212 for piggyback details.

Special loads

-----Lumber Dur.Fac=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at -0.74 to 60 plf at 1.22
TC- From 60 plf at 1.22 to 60 plf at 8.55
BC- From 4 plf at -0.74 to 4 plf at 8.55

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

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



R=51 U=4 W=5.935" (5.935" min.)

R=62 PLF U=18 PLF W=8-6-11

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

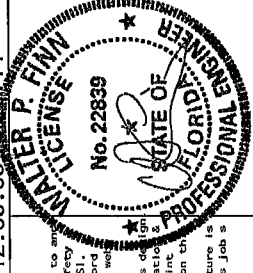
12.03.03 0225.14

QTY 1

FL/-/1/-/1/-/R/-

Scale =.5"/Ft.

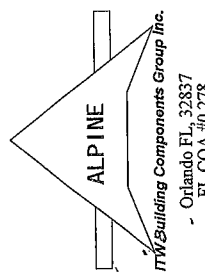
TC LL	20.0 PSF	REF	R215--	27495
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298027
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT.LD.	40.0 PSF	SEQN-	382604	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1V0S215_Z01	



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

****IMPORTANT**** Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Institute) Truss Manual (TCA) for safety practices prior to performing this work. Trusses are not to be used for temporary bracing per BCSI. Trusses shall be properly braced and shall have properly attached structural sheathing and bottom chord bracing. 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 or any failure to build the truss in conformance with ANSI/TP1 1 or for handling shipping installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on the drawing or cover page listing this drawing indicates acceptance of professional responsibility by the professional engineer. For more information see ITW-BCG www.itwbcg.com, TP1 www.tp1nat.org, WTCA www.sabindustry.com general notes page. ITW-BCG www.itwbcg.com, TP1 www.tp1nat.org, WTCA www.sabindustry.com This Job is ICC www.iccsafe.org



10/28/2013

Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

130 mph wind, 20.49 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=5.0 psf, wind BC DL=1.2 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.

See Detail PB160100212 for piggyback details.

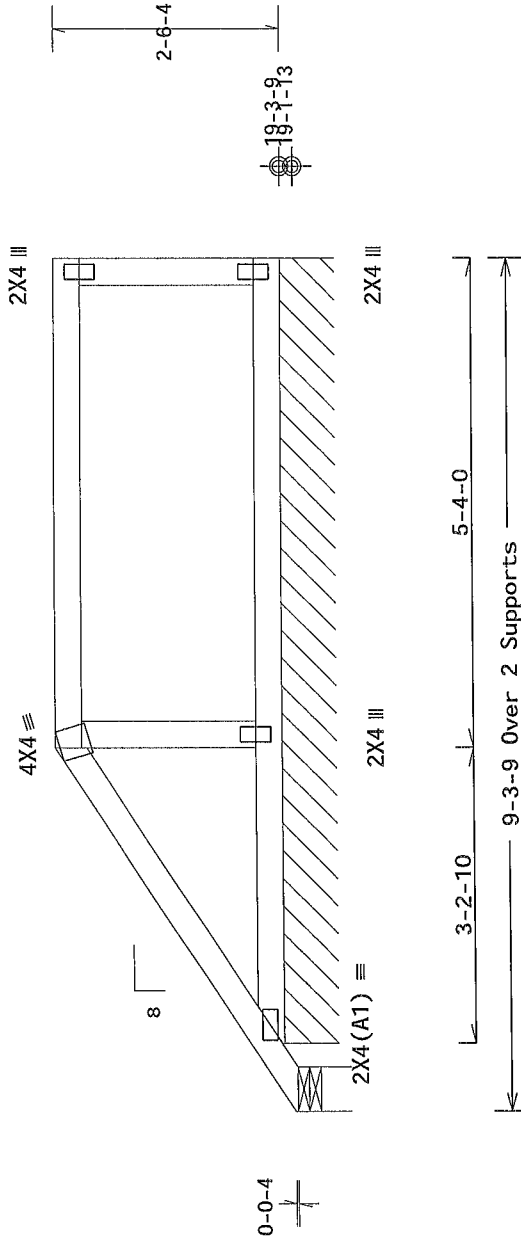
Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at -0.74 to 60 plf at 3.22
TC- From 60 plf at 3.22 to 60 plf at 8.55
BC- From 4 plf at -0.74 to 4 plf at 8.55

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 2-8-0.



R=32 R_w=50 U=17 W=5.935" (5.935" min.)

R=67 U=22 PLF W=8-6-11

Design Crit. FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

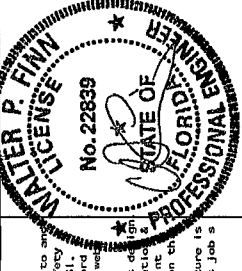
12.03.03 0225 14

QTY:1

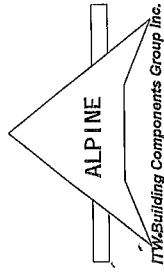
FL/-/1/-/R/-

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R215--	27496
TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298035
BC LL	0.0 PSF	HC-ENG	KD/AP	
TOT. LD.	40.0 PSF	SEQN-	382606	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215	Z01

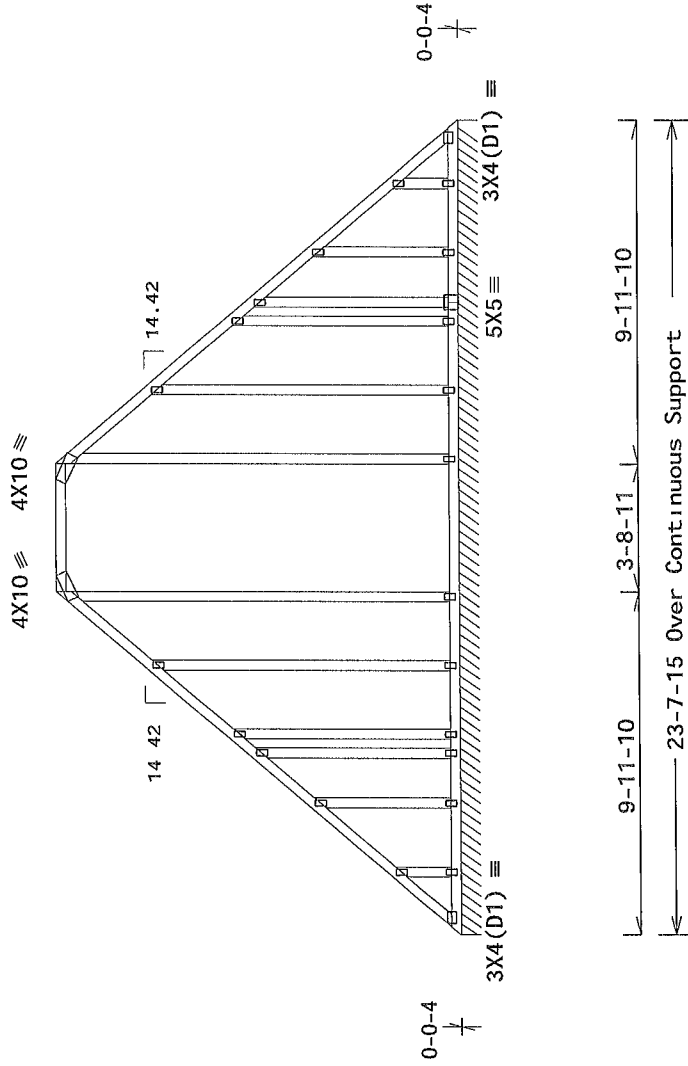


WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to any follow the latest edit on the building code. See the instructions by TPI and WDA for safety.
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 wall shall have bracing installed per BCS sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings for details of connections and professional engineering drawing covering the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page. ITW-3005 www.itwbcg.com, TPI www.tpinet.org WDA www.abnindustry.com ICC www.iccsafe.org



Top chord 2x4 SP 2400f-2.0E
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP 2400f-2.0E

NOTE: THIS DESIGN IS NOT TO BE USED AS A ROOF TRUSS.
IT IS ONLY TO BE USED AS A ROOF HIP FRAME.



Note: All Plates Are 2x4 Except As Shown.

Design Crit. FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

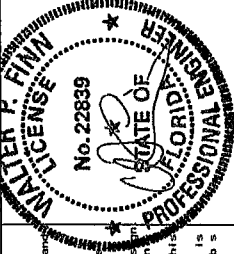
12.03.03.0005.14

QTY: 1

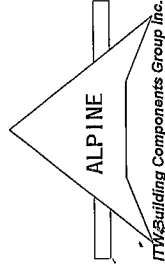
FL/-1/-/-/R/-

Scale = .1875"/Ft.

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TC DL	10.0 PSF	DATE	10/25/13	
BC DL	10.0 PSF	DRW	HCUSR215	13298034
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT.LD.	40.0 PSF	SEQN-	382480	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1VOS215_Z01	



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****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 instructions on the BCSI (Building Component Safety) Information on by TPI and WTCA) for safety policies prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details. Unless noted otherwise, this design is for informational purposes only. It is not to be used for the responsibility safety of the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This job's general notes page. ITW-BCG www.itwbcg.com, TPI www.tpinet.org, WTCA www.sbcindustry.com, ICC www.iccsafe.org

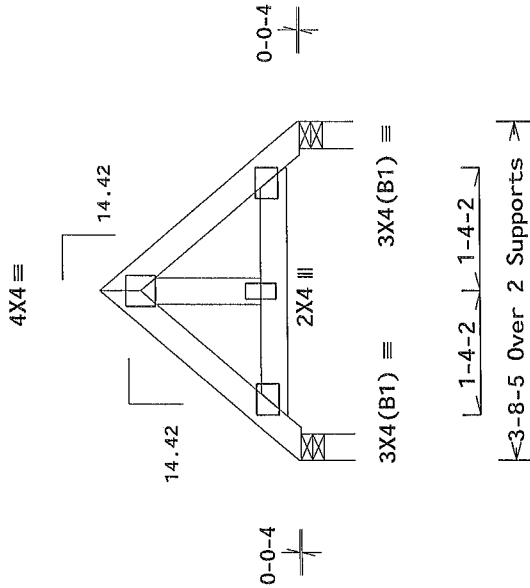


10/28/2013

(82988B--/KIRCHENSTINER RESIDENCE /EDGELY CONSTRUCTION -- LAKE CITY, FL - PF2)

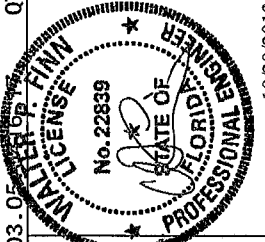
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

NOTE· THIS DESIGN IS NOT TO BE USED AS A ROOF TRUSS.
IT IS ONLY TO BE USED AS A ROOF HIP FRAME.



Design Crit. FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave



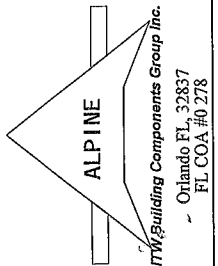
QTY	1	FL/-/1/-/1/-/R/-	Scale = .5" /Ft.
TC LL	20.0	PSF	REF R215-- 27498
TC DL	10.0	PSF	DATE 10/25/13
BC DL	10.0	PSF	DRW HCUSR215 13298042
BC LL	0.0	PSF	HC-ENG SSB/WPF
TOT. LD.	40.0	PSF	SEQN- 216680
DUR. FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1VOS215_Z01

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and 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 B5, B7 or B10 as applicable.

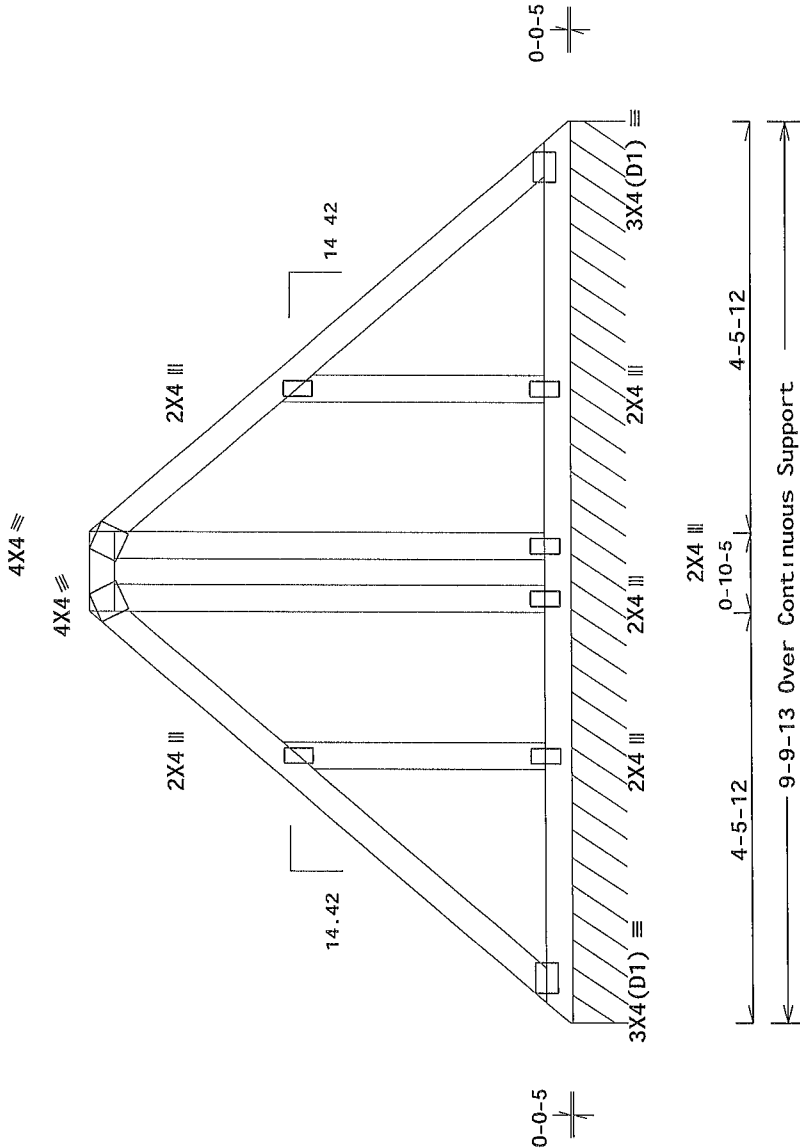
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for installing and bracing on a building. Apply bracing as shown. Refer to drawings 1604-Z for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see This Job's general notes page. ITW-BCG www.itwbcg.com, TPI www.tpi.net, WTC www.wtcindustry.com

10/28/2013



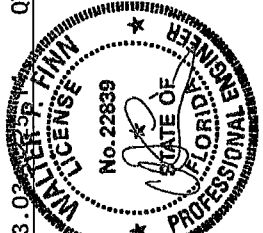
Top chord 2x4 SP 2400F-2.0E
Bot chord 2x4 SP 2400F-2.0E
Webs 2x4 SP 2400F-2.0E

NOTE: THIS DESIGN IS NOT TO BE USED AS A ROOF TRUSS.
IT IS ONLY TO BE USED AS A ROOF HIP FRAME.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) 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 95, 97 or 810 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 responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page. ITWBCG www.itwbcg.com TPI www.tpinet.org WTC www.wtcusa.org

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

QTY: 1	FL/-1/-1/-R/-	Scale = .5" / Ft.
TC LL	20.0 PSF	REF R215-- 27499
TC DL	10.0 PSF	DATE 10/25/13
BC DL	10.0 PSF	DRW HCUSR215 13298040
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT. LD.	40.0 PSF	SEQN- 382308
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1VOS215_Z01

ASCE 7-10, 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_z t = 100$

Dr 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed 15' Mean Height, Enclosed, Exposure D, Kzt = 100

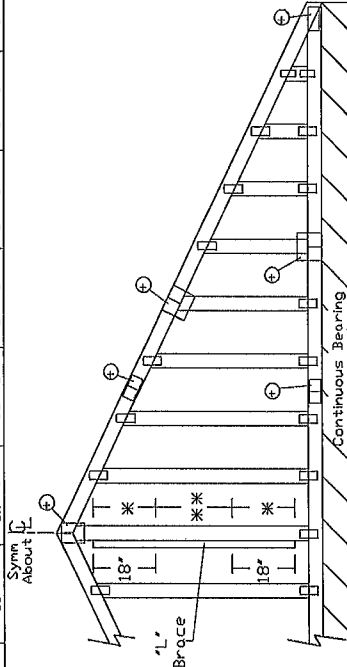
Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D Kzt = 1.00

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

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connected diagonal brace for 450' at each end. Max web total length is 14'

Vertical length shown
in table above.

Connect diagonal at midpoint of vertical web.

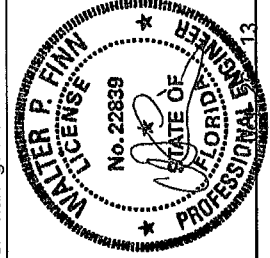


Refer to chart above for max cable vertical length

*****WARNING*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT! THIS DRAWING IS ALL CONTRACTORS INCLUDING THE INSTALLERS**

Trussers require extreme care in fabricating, handling, installing and bracing. Refer to and follow the latest edition of ECSC Building Component Safety Information, by TPI and VITCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per ECSC. Unless noted otherwise plate chord shall have properly attached structural sheathing and bottom chord shall have a properly attached ECSC approved 32, 87 or 310, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. A seal on this drawing or cover page listing this truss design is not a guarantee of professional engineering. It is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites:



10/28/2013

Earth City, MO 63045

MAX TOT LD 60 PSF

MAX SPACING	240"
-------------	------

REF ASCE7-10-GAB14015

DATE 2/14/12

DRWG A14015ENC100212

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

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	25X4
Greater than 11' 6"	3X4

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

Gable Truss Detail Notes

Wind Load deflection criterion is $L/240$.

Provide uplift connections for 55 plf over continuous bearing (5 NSF TC Dead Load)

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

So Blue means electric valves tested on...

the ALSC January 2012 ruling

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

* For (1) "L" brace: space nails at 2' o.c.

in 18" end zones and 4" o.c. between zones.

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

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

CLR Reinforcing

Member Substitution

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

Notes:

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

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

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

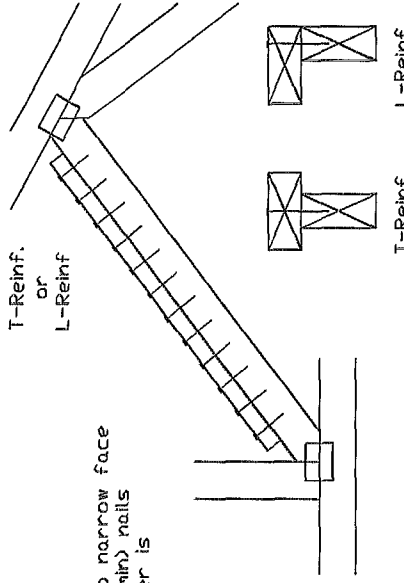
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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

T-Reinforcement

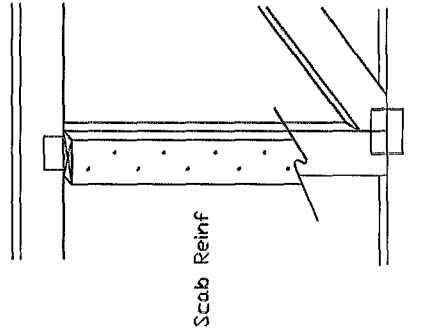
or
L-Reinforcement:

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



Scab Reinforcement:

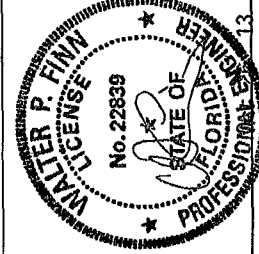
Apply scab(s) to wide face of web.
No more than (1) scab per face
Attach with 10d (0.128"x3.0".min) nails
at 6" o.c. Reinforcing member is a
minimum 80% of web member length



Building Components Group Inc.

Earth City, MO 63045

WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING
 SUBMITTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and SPCA for safety practices prior to performing these functions. Installers shall structure shoring and bottom chord bracing noted properly attached rigid ceiling locations shown for permanent lateral restraint of webs. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.
 Refer to drawings 150A-2 for standard plate positions.
 Trusses shall be installed and braced in accordance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
 A seal on this drawing or cover page listing the drawing, indicates acceptance of professional engineering responsibility by the Building Designer per ANSI/TPI 1 Sec2.
 For more information see this job's general notes page and these web sites:
 ITWBCS www.itwbcsg.com TPI www.tpi.org SPCA www.spcaindust.org IID www.iidusa.org



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

10/28/2013

Piggyback Detail - ASCE 7-10 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

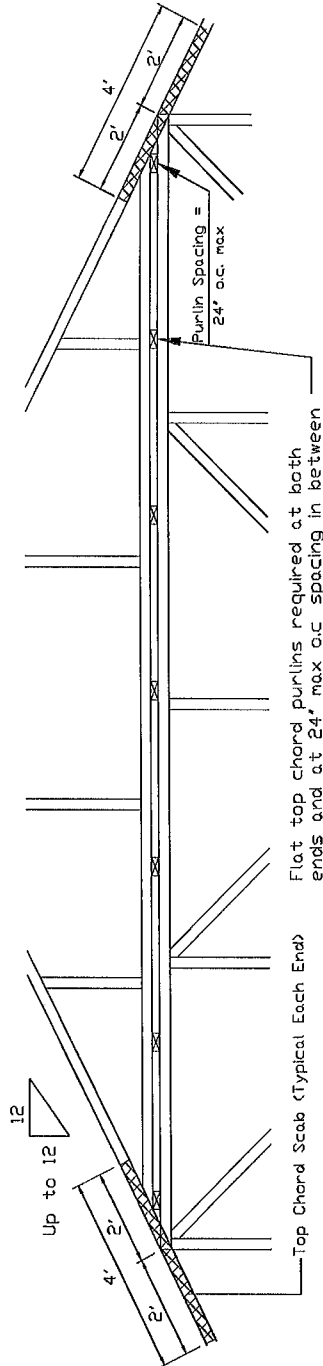
160 mph Wind, 3000 ft Mean Hgt, ASCE 7-10, Enclosed Bldg located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0, D= 140 mph wind 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads

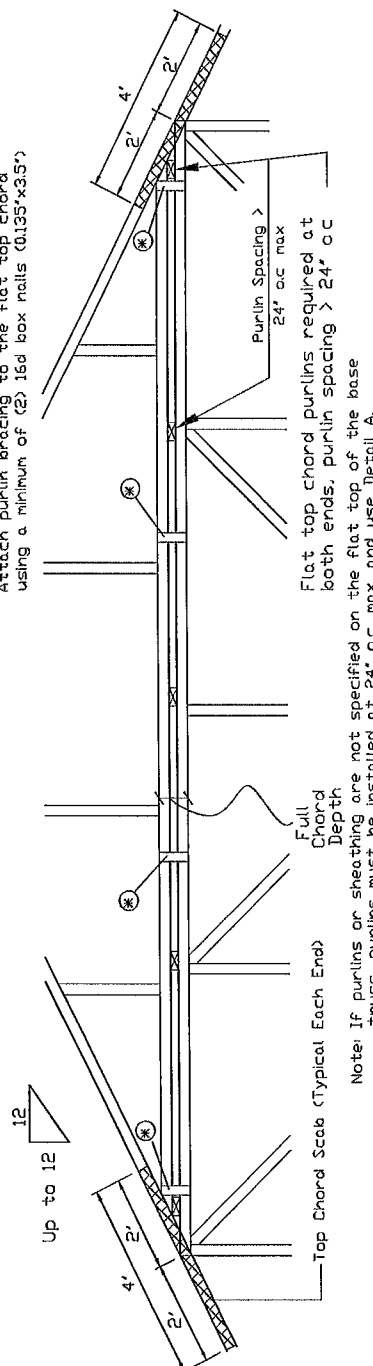
** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A Purlin Spacing = 24" o.c. or less



Detail B Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").

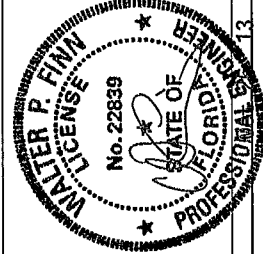


ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation, or use of this product. ITW Building Components Group Inc. shall not be responsible for any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation, or use of this product. ITW Building Components Group Inc. shall not be responsible for any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation, or use of this product.



Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information (BCSI) and BCSI Practices for the proper installation and bracing of trusses. The building engineer of record is responsible for the design, fabrication, and use of this product. The building engineer of record is responsible for the design, fabrication, and use of this product.

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

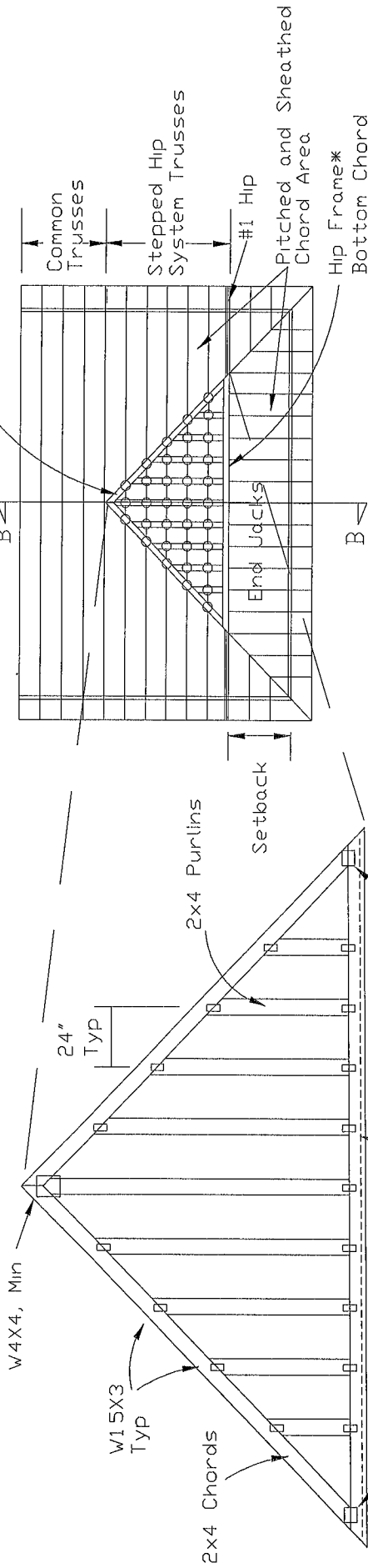


10/28/2013

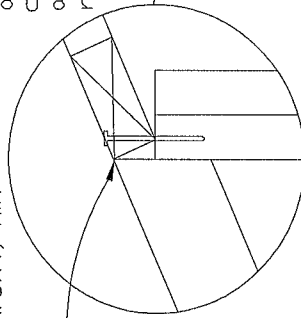
* In addition, provide connection with one of the following methods Trulox Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces. APA Rated Gusset 8"x8"x7/16" (min) APA rated sheathing gussets (6) 8' o.c. with (8) 6d common nails. Attach to each face of chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces. 2x4 Vertical Scabs 2x4 SPF #2 full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab. (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces. 28PB Wave Piggyback Plate One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.	REF PIGGYBACK DATE 2/14/12 DRWG PB160100212
--	--

SPACING 24'0"

* Hip Frame Details



o- Attach hip frame to flat chords of stepped hips at all overlapping points with 2-10d (0148"x3") common nails. Bottom chord of hip frame to be attached to #1 hip with 10d common (0148"x3") nails @ 6" o.c maximum spacing



Hip frame stops at plumb cut of jacks to maintain pitch continuity

* Hip frame lumber is SPF, So Pine, HF, or DFL Standard, Stud grade, or better

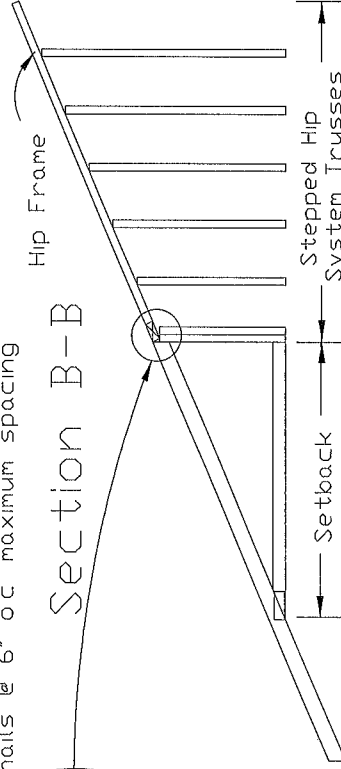
See Engineer's sealed design for setback, lumber, plating, loading, and duration factor required

'R' Hip frame chords may be trimmed up to 2" to fit purlins must be intact and properly attached

Use this detail for

- ASCE 7-10, 140 mph, 30' Mean Hgt, Enclosed, Exp C, or
- ASCE 7-10, 120 mph, 30' Mean Hgt, Enclosed, Exp D, or
- ASCE 7-05, 110 mph, 30' Mean Hgt, Enclosed, Cat II, Exp C, or
- ASCE 7-02, 110 mph, 30' Mean Hgt, Enclosed, Cat II, Exp C, Residential, Wind TC DL=42 psf, Kzt=1.00

Section B-B

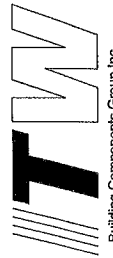


Hip Frame - provided by truss manufacturer
 Hip frame is designed to provide bracing for flat top chords of hip frame system where indicated
 Structural panels must be properly attached directly To hip frame purlins

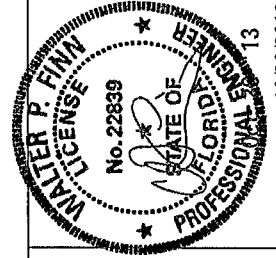
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and VITCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall be properly braced and secured to the building structure. Trusses shall have bracing properly attached rigid ceiling. Locations shown for permanent lateral restraint of each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160H-Z for standard plate positions.

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the user. For more information, please contact the drawing for any structure is the responsibility of the user. For more information, please contact the drawing for any structure is the responsibility of the user. For more information, please contact the drawing for any structure is the responsibility of the user.



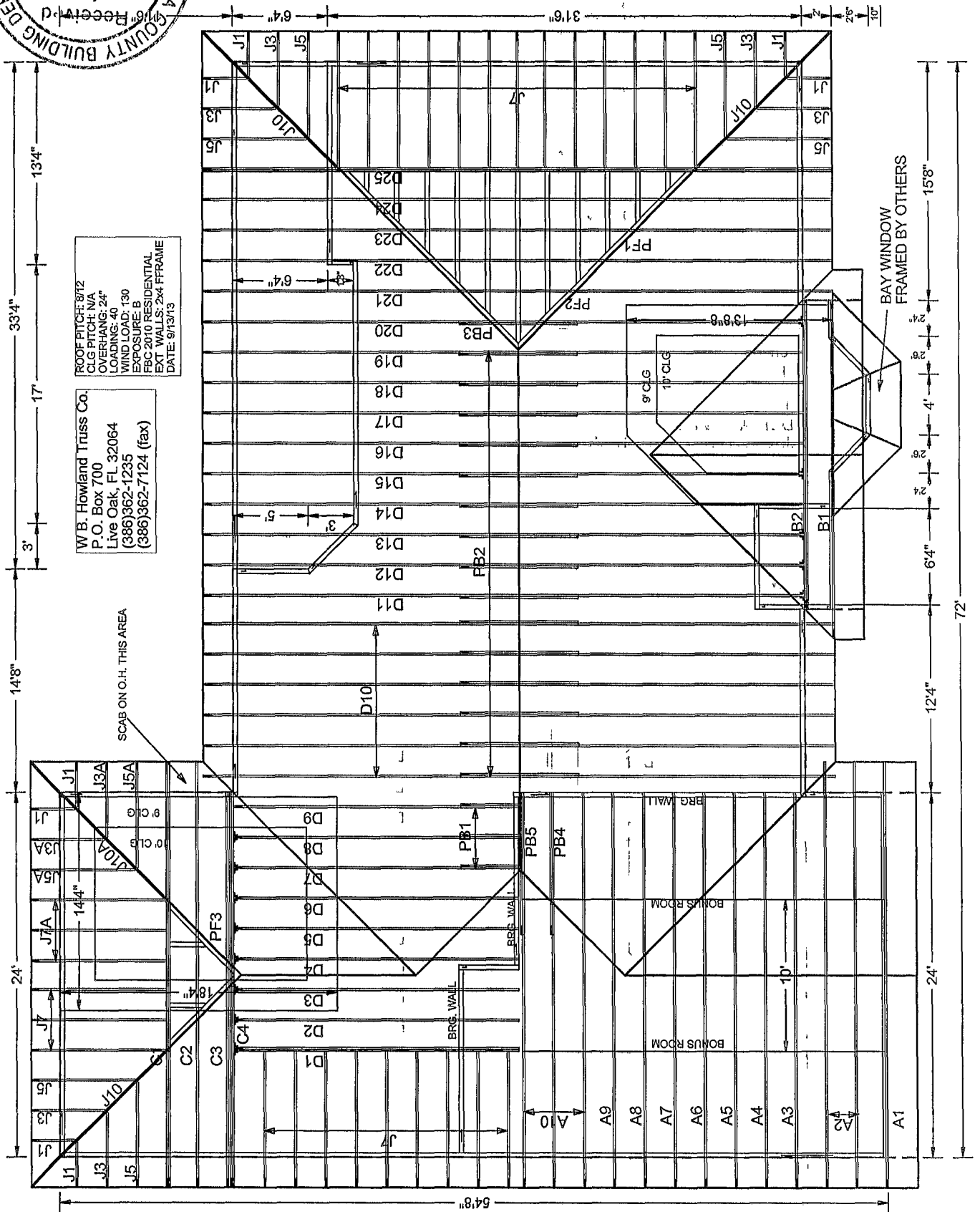
*Earth City MO 63045



REF	HIP FRAME
DATE	2/14/12
DRWG	HIPFRAME0212

10/28/2013

31527



ROOF PITCH: 8/12
CLG PITCH: N/A
OVERHANG: 24"
LOADING: 40
WIND LOAD: 130
EXPOSURE: B
FBC 2010 RESIDENTIAL
EXT WALLS: 2x4 FFRAME
DATE: 9/13/13

W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386)362-1235
(386)362-7124 (fax)

SCAB ON O.H. THIS AREA

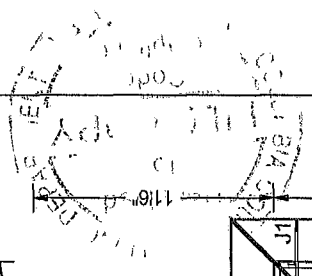


JOB #: 8298BB

Job Name: KIRCHENSTINER RESIDENCE
Customer: EDGELY CONSTRUCTION
Designer: Chris McCall
ADDRESS:
SALESMAN, HOUSE
<Not Found>

JOB NO:
8298BB

PAGE NO
1 OF 1

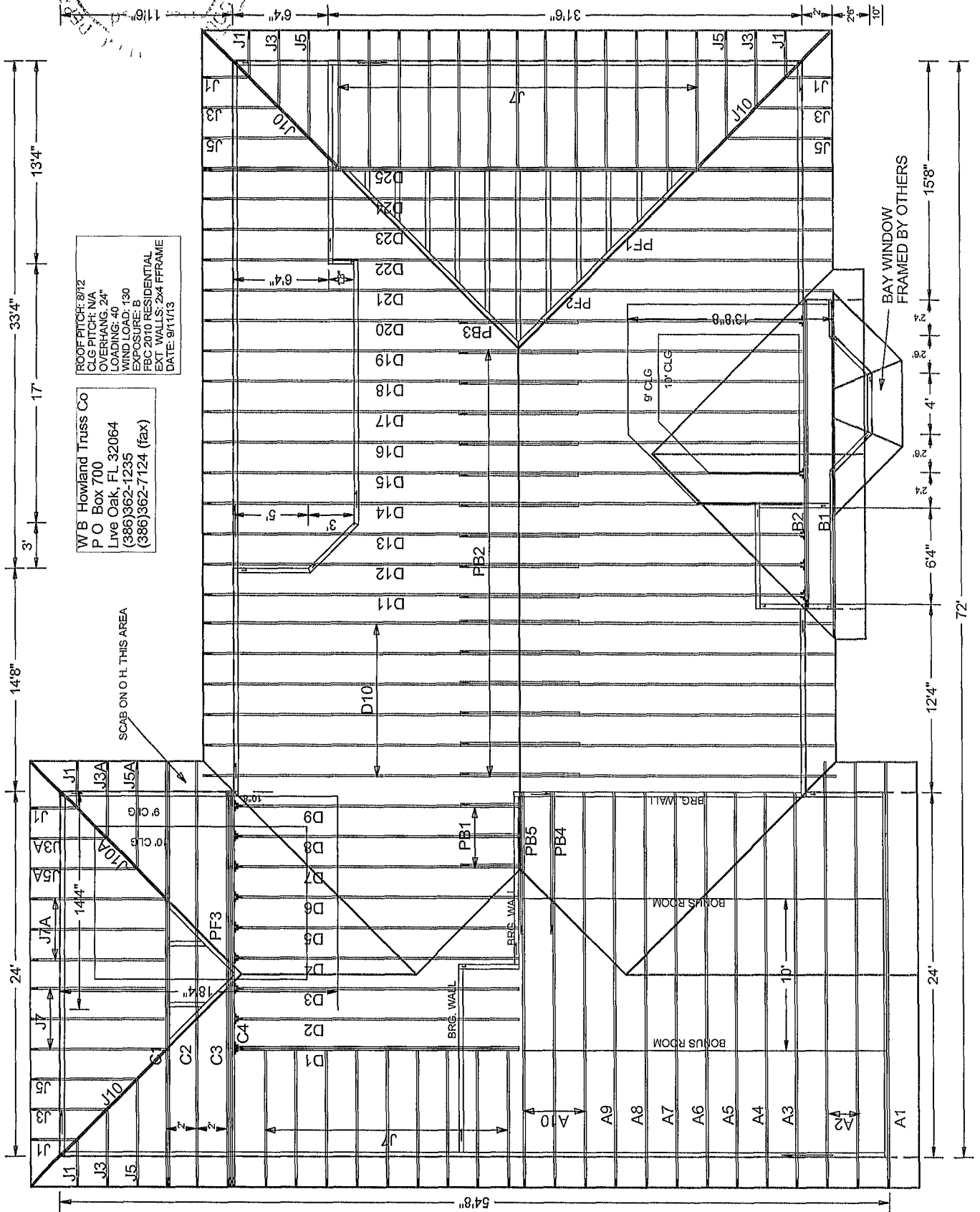


JOB # 8298B

Job Name KIRCHENSTINER RESIDENCE
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ADDRESS
SALESMAN, HOUSE
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JOB NO.
8298B

PAGE NO.
1 OF 1



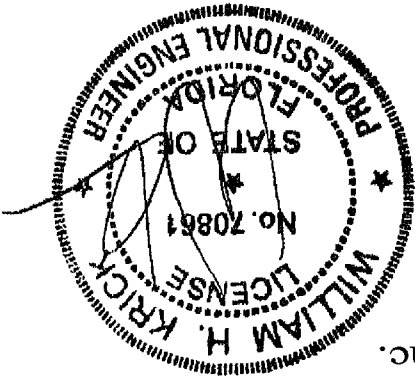
W.B. Howland Truss Co
P.O. Box 700
Live Oak, FL 32064
(386)362-1235
(386)362-7124 (fax)
DATE: 9/11/13

ROOF PITCH: 8/12
CLG PITCH: N/A
OVERHANG: 24"
LOADING: 40
WIND LOAD: 130
EXPOSURE: B
FBC 2010 RESIDENTIAL
EXT. WALLS: 2x4 FFRAME

31527

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID IV32215-Z0116142107



01/16/2014

Truss Fabricator W.B. Howland
Job Identification REPAIR / 8298BB-/KIRCHENSTINE
Truss Count 4
Model Code Florida Building Code 2010
Truss Criteria FB2010Res/TPI-2007(STD)
Engineering Software Alpine Software, Version 13.02.
Structural Engineer of Record The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC
Minimum Design Loads Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 130 MPH ASCE 7-10 -Closed

Notes

- 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
 - The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
 - As shown on attached drawings; the drawing number is preceded by: HCUSR215
- Details: BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	85299--D22		14016001	01/16/14
2	85299--D23		14016002	01/16/14
3	85299--D24		14016003	01/16/14
4	85299--D25		14016004	01/16/14

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5 0 psf wind BC DL=5 0 psf GOp(+/)=0 18

Left cantilever is exposed to wind

Calculated horizontal deflection is 0 18 due to live load and 0.33" due to dead load

(a) Continuous lateral restraint equally spaced on member

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

Calculated vertical deflection is 0 37" due to live load and 0 66" due to dead load at X = 29-8-4

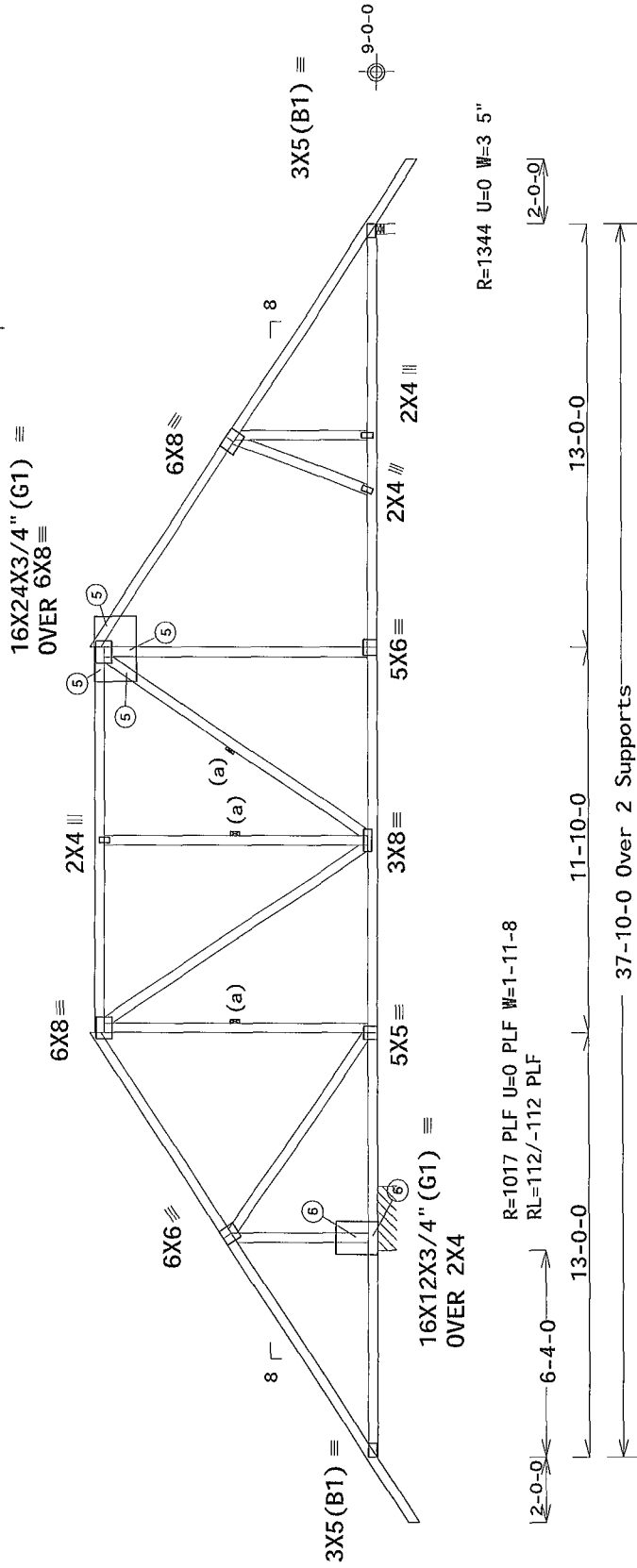
MMFRS loads based on trusses located at least 15 00 ft from roof edge

(G1) Gusset Plates are 3/4" APA RATED SHEATHING, 48/24, EXP 1 or 2 EXP 1 Apply gusset to each face of truss and attach with evenly distributed 0 131 x2 3 Nails specified in circles Hatched lines indicate portions on gussets protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile Minimum Nail/Screw Spacing Requirements based on ANSI/AP&PA NDS-2001 End Distance 2-1/8" Edge Distance 3/4" Spacing in a Row 2-1/8" Maximum Number of Rows for Member Size 2x4 3 Rows

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

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

Deflection meets L/360 live and L/240 total load Creep increase factor for dead load is 1 50



PLT TYP. Wave

Design Crit. FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .1875"/Ft.

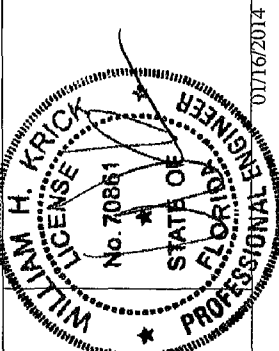
TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE IF ANY AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

ALPINE

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



TC LL	20.0 PSF	QTY. 0	FL/-3/-/R/-	REF	R215--	85299
TC DL	10.0 PSF			DATE	01/16/14	
BC DL	10.0 PSF			DRW	HCUSR215	14016001
BC LL	0.0 PSF			HC-ENG	WHK/WHK	
TOT. LD.	40.0 PSF			SEQN-	5394	
DUR. FAC.	1.25			FROM	CDM	
SPACING	24.0"			JREF-	1V32215_Z01	

01/16/2014

(REPAIR / 82988B-KIRCHENSTINE - D23)

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf. GCp1(+/-)=0.18

Left cantilever is exposed to wind

(a) Continuous lateral restraint equally spaced on member.

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

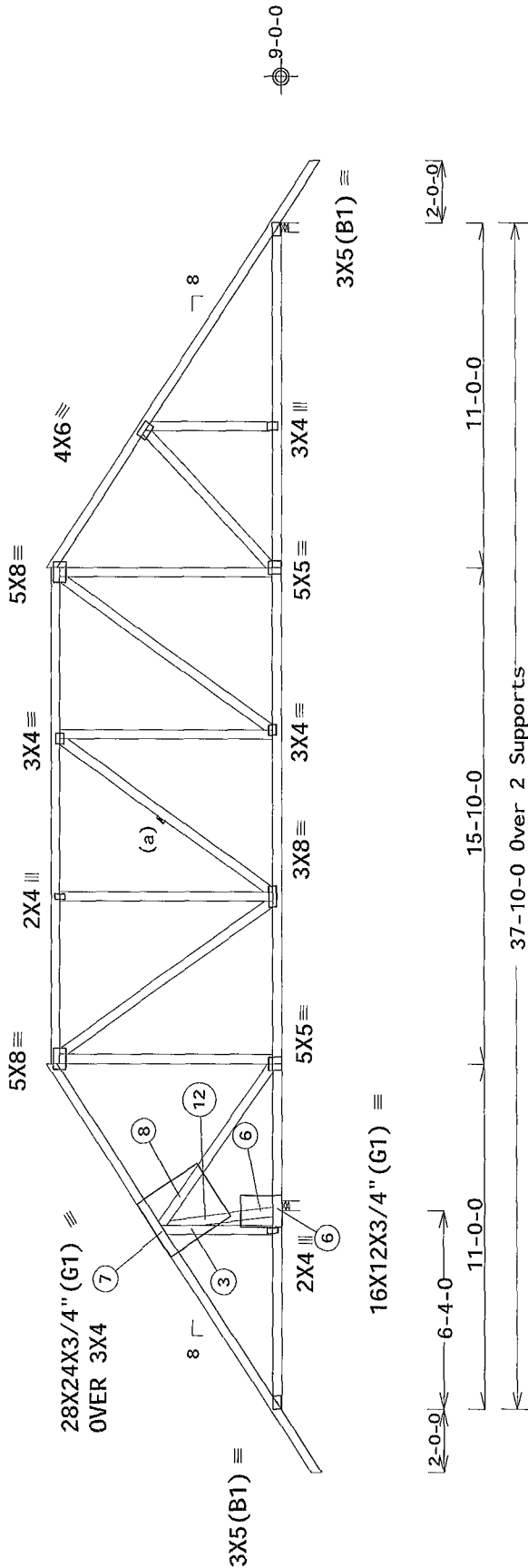
Bottom chord checked for 10.00 psf non-concurrent live load

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

(G1) Gusset Plates are 3/4" APA RATED SHEATHING, 48/24, EXP 1 or 2. Apply gusset to each face of truss and attach with evenly distributed 0.131"x2.5" Nails specified in circles. Hatched lines indicate portions on gussets protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile. Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001. End Distance 2-1/8" Edge Distance 3/4" Spacing in a Row 2-1/8" Spacing Between Rows 3/4" Spacing in a Row 2-1/8" Maximum Number of Rows for Member Size 2x4 3 Rows

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50



R=1976 U=47 W=3.5" (1.5" min.)
RL=193/-193

R=1356 U=55 W=3.5" (1.5" min.)

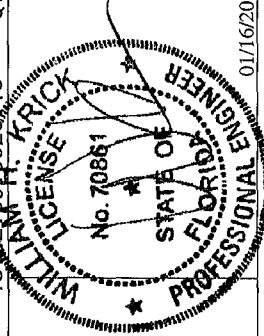
Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave	13	18	QTY	0	FL/-3/-1-/R/-	Scale = .1875"/Ft.
TRUSS REPAIR	13	18	18	0	FL/-3/-1-/R/-	REF R215-- 85299
						DATE 01/16/14
						DRW HCUSR215 14016002
						HC-ENG WHK/WHK
						SEQN- 5402
						FROM CDM
						JREF- 1V32215_Z01

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED THEREFORE IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE IF ANY AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

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



(REPAIR / 8298BB--KIRCHENSTINE - D24)

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf GCPI (+/-)=0.18

Left cantilever is exposed to wind

(a) Continuous lateral restraint equally spaced on member

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.

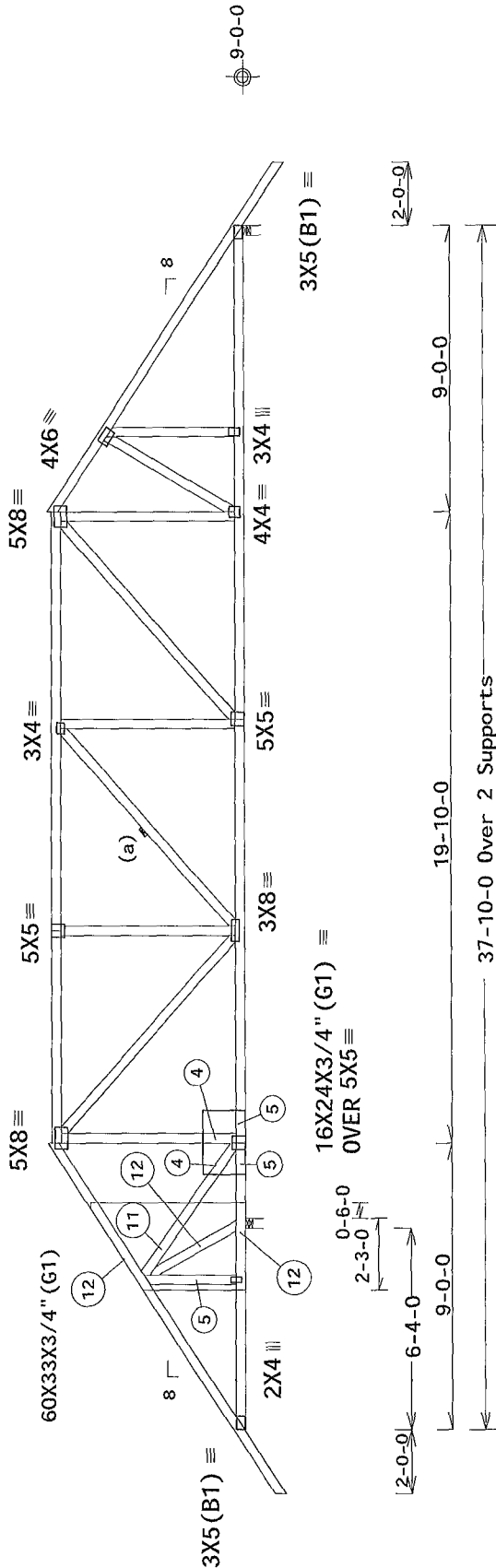
(G1) Gusset Plates are 3/4" APA RATED SHEATHING, 48/24, EXP 1 or 2. Apply gusset to each face of truss and attach with evenly distributed 0.131"x2.5" Nails specified in circles. Hatched lines indicate portions on gussets protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile.

Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001.
End Distance 2-1/8" Edge Distance 3/4"
Spacing Between Rows 3/4" Spacing in a Row 2-1/8"
Maximum Number of Rows for Member Size
2x4 3 Rows

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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

FT/RT=20%(0%)/10(0)

13.00

QTY 0

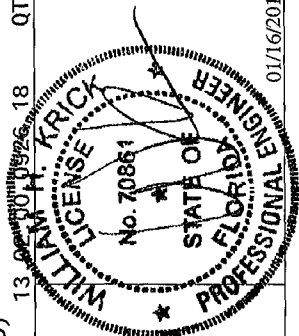
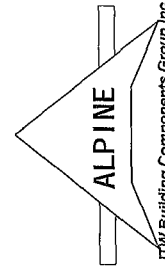
FL/-/3/-/R/-

Scale = .1875"/Ft.

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED THEREFORE IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE IF ANY AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



TC LL	20.0 PSF	REF	R215--	85299
TC DL	10.0 PSF	DATE	01/16/14	
BC DL	10.0 PSF	DRW	HCSR215	14016003
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0 PSF	SEQN-	5409	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1V32215_Z01	

(REPAIR / 8298BB-/KIRCHENSTINE - D25)

Top chord 2x4 SP M-31 T2, T3 2x6 SP M-31
Bot chord 2x6 SP M-31 W1, 2x6 SP M-31

Special loads
Lumber Dur Fac = 1.25 / Plate Dur Fac = 1.25
TC- From 60 plf at -2.00 to 60 plf at 7.00
TC- From 30 plf at 7.00 to 30 plf at 30.83
TC- From 60 plf at 30.83 to 60 plf at 39.83
BC- From 5 plf at -2.00 to 5 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.03
BC- From 10 plf at 7.03 to 10 plf at 30.80
BC- From 20 plf at 30.80 to 20 plf at 37.83
BC- From 5 plf at 37.83 to 5 plf at 39.83
TC- 423 07 lb Conc Load at 7.03, 30.80
TC- 176 33 lb Conc Load at 9.06, 11.06, 13.06, 15.06
17 06 18 92, 20 77 22 77, 24 77 26 77 28 77
BC- 468 74 lb Conc Load at 7.03, 30.80
BC- 127 95 lb Conc Load at 9.06, 11.06, 13.06, 15.06
17 06 18 92, 20 77 22 77, 24 77 26 77 28 77

Wind loads and reactions based on MWFRS

Left cantilever is exposed to wind

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

2 COMPLETE TRUSSES REQUIRED

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

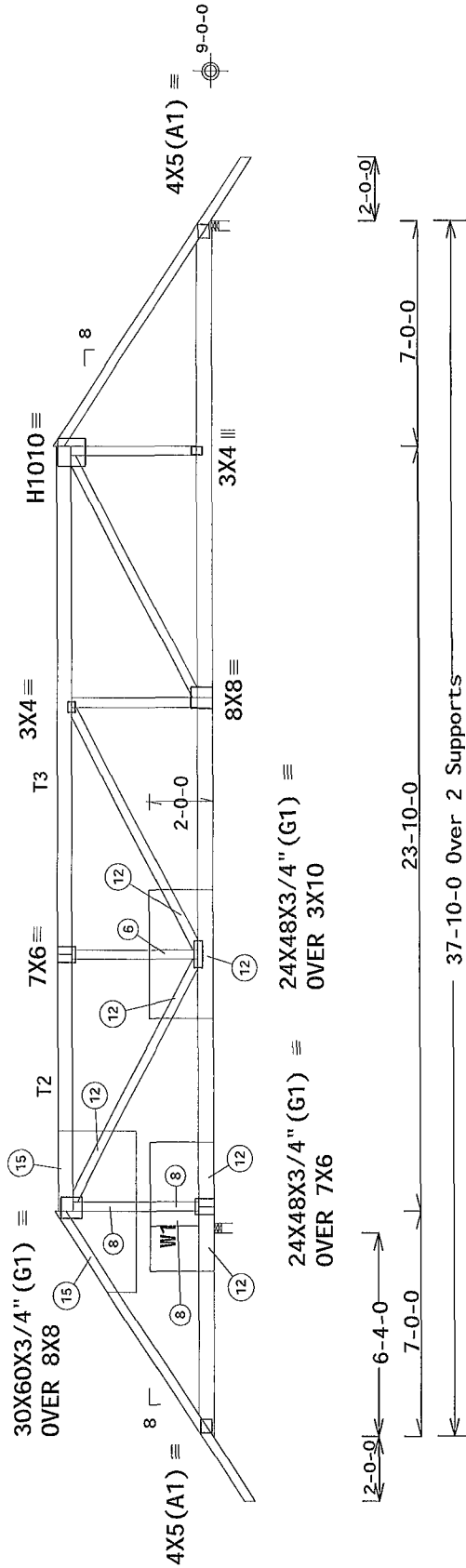
(1) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees

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

130 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=5 0 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Deflection meets L/360 live and L/240 total load Creep increase factor for dead load is 1 50

(G1) Gusset Plates are 3/4 APA RATED SHEATHING, 48/24, EXP 1 or 2 Apply gusset to each face of truss and attach with evenly distributed 0 131 x2 5 Nails specified in circles Hatched lines indicate portions on gussets protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001 End Distance 2-1/8 Edge Distance 3/4" Spacing Between Rows 3/4" Spacing in a Row 2-1/8 Maximum Number of Rows for Member Size 2x4 3 Rows



R=4489 U=385 W=3.5" (1 5" min.)

R=3021 U=255 W=3.5" (1.5" min.)

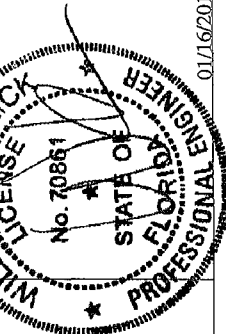
PLT TYP. 20 Gauge HS, Wave
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .1875" / Ft.		QTY: 0	FL / -3 / - / R / -	TC LL	20.0 PSF	REF	R215--	85299
		13		TC DL	10.0 PSF	DATE	01/16/14	
		18		BC DL	10.0 PSF	DRW	HCU215	14016004
				BC LL	0.0 PSF	HC-ENG	WHK/WHK	
				TOT. LD.	40.0 PSF	SEQN-	5415	
				DUR. FAC.	1.25	FROM	CDM	
				SPACING	24.0"	JREF-	1V32215_Z01	

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED THEREFORE IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE IF ANY AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING



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

Member Substitution

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

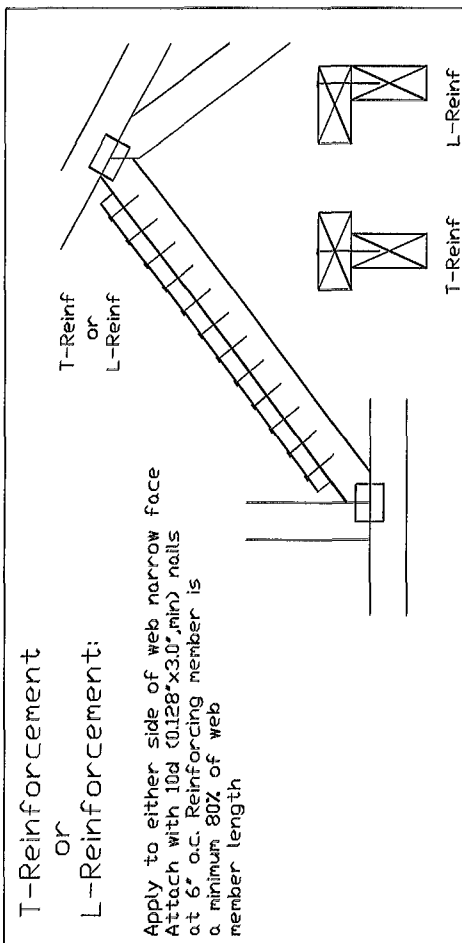
This detail is only applicable for changing the specified CLR shown on single ply sealed designs to I-reinforcement or I-reinforcement or scab reinforcement.

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

Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(6)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(6)

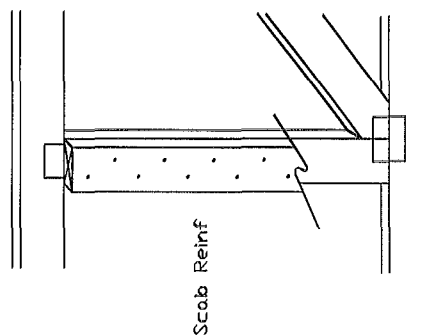
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



Scab Reinforcement:

Apply scab(s) to wide face of web.
No more than (1) scab per face
Attach with 10d (0.128"x30,min) nails
at 6" o.c. Reinforcing member is a
minimum 80% of web member length



WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING.
IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
require extreme care in fabricating, handling, shipping, installing and bracing. Refer
to the latest edition of BCSI Guiding Component Safety Information by TPI and SCSA for safety
instructions prior to installation. The following instructions are intended to guide installers
in the proper installation of the Building Bracer. This drawing shows structural sheathing and bottom
plates attached to the existing wall framing. Locations shown for permanent lateral restraint of
shear walls have been braced installed per BCSI sections 3C, 3F or 3HJ, as applicable. Apply plates to each
wall section at the locations indicated. Details, unless noted otherwise.

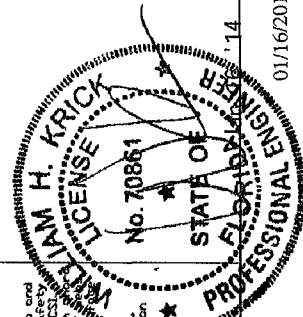
Refer to drawings 604-27 for standard plate positions.
ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing.
any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation
or use of this drawing on cover page listing this drawing. Indicates acceptance of professional
engineering responsibility solely for the design shown. The suitability and use of this drawing
for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Section 3.0. Cities
ITWBS: mwp@itwbs.com JPL #333839400 SEE BRACER INSTRUCTIONS FOR DETAILS



Building Components Group Inc.

Earth City MO 63045

01/16/2014



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

31527

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID IV39215-Z0122104913



Truss Fabricator W.B. Howland
Job Identification RE-REPAIR / 8298BB -KI RCHENS
Truss Count 1
Model Code Florida Building Code 2010
Criteria FBG2010Res/TP1-2007(STD)
Engineering Software Alpine Software, Version 13.02.
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 - 40.0 PSF @ 1.25 Duration
Minimum Design Loads Floor - N/A
Wind - 130 MPH ASCE 7-10 -Closed

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/TP1 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: HCUSR215

Details: -

#	Ref	Description	Drawing#	Date
1	37946--D25		14022001	01/22/14

Walter P Finn
-Truss Design Engineer-
1950 Marley Drive
Haines City, FL 33844

01/22/2014

(REPAIR / 8298BB-KIRCHENSTINE - D25)

Top chord 2x4 SP M-31 T2, T3 2x6 SP M-31
Bot chord 2x6 SP M-31
ebs 2x4 SP M-31 W1, 2x6 SP M-31

Special loads
Dur Fac = 1.25 / Plate Dur Fac = 1.25
TC- From 60 plf at -2.00 to 60 plf at 7.00
TC- From 30 plf at 7.00 to 30 plf at 30.83
TC- From 30 plf at 30.83 to 60 plf at 39.83
BC- From 5 plf at -2.00 to 5 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.00
BC- From 10 plf at 7.00 to 10 plf at 37.83
BC- From 20 plf at 30.80 to 20 plf at 37.83
BC- From 5 plf at 37.83 to 5 plf at 39.83
TC- 423.07 lb Conc Load at 7.03, 30.80
TC- 176.33 lb Conc Load at 9.06, 11.06, 13.06, 15.06
17.06, 18.92, 20.77, 22.74, 24.77, 26.77, 28.77
BC- 489.74 lb Conc Load at 7.03, 30.80
BC- 127.95 lb Conc Load at 9.06, 11.06, 13.06, 15.06
17.06, 18.92, 20.77, 22.74, 24.77, 26.77, 28.77

Wind loads and reactions based on MWFRS

Left cantilever is exposed to wind

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

NOTE PLYWOOD MAY BE NOTCHED FOR SUPPORTED JACKS (ON LOADED FACE)

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0.131"x3" min nails
Top Chord 1 Row @ 12.00 o c
Bot Chord 1 Row @ 12.00 o c
Webs 1 Row @ 4 o c
Use equal spacing between rows and stagger nails
in each row to avoid splitting

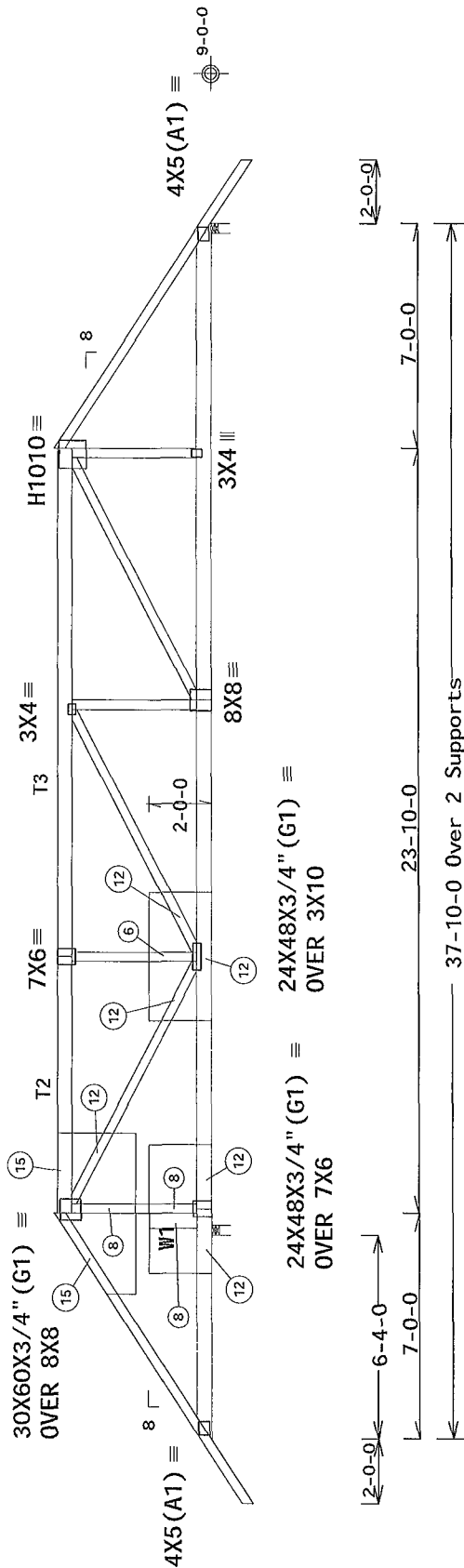
(1) - plates so marked were sized using a Fabrication Tolerance of 0%
and a Rotational Tolerance of 0 degrees

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

130 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=5.0 psf
wind BC DL=5.0 psf GCPI(+/-)=0.18

Deflection meets L/360 live and L/240 total load Creep increase
factor for dead load is 1.50

(G1) Gusset Plates are 3/4" APA RATED SHEATHING, 48/24 EXP 1 or 2
Apply gusset to each face of truss and attach with evenly distributed
0.131 x2.5" Nails specified in circles Hatched lines indicate
portions on gussets protruding outside of the perimeter of the truss
that may be trimmed flush with the truss profile
Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001
End Spacing 2-1/8" Edge Distance 3/4"
Spacing Between Rows 3/4" Spacing in a Row 2-1/8"
Maximum Number of Rows for Member Size
2x4 3 Rows



R=4489 U=385 W=3.5" (1.5" min.) R=3021 U=255 W=3.5" (1.5" min.)

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS, Wave

FT/RT=20%(0%)/10(0)

13.02.00.0026.18

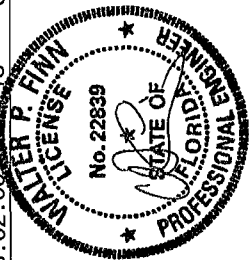
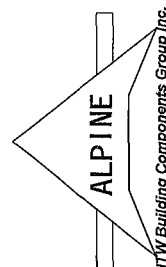
QTY: 0 FL/-/3/-/R/-

Scale = .1875"/Ft.

TRUSS REPAIR

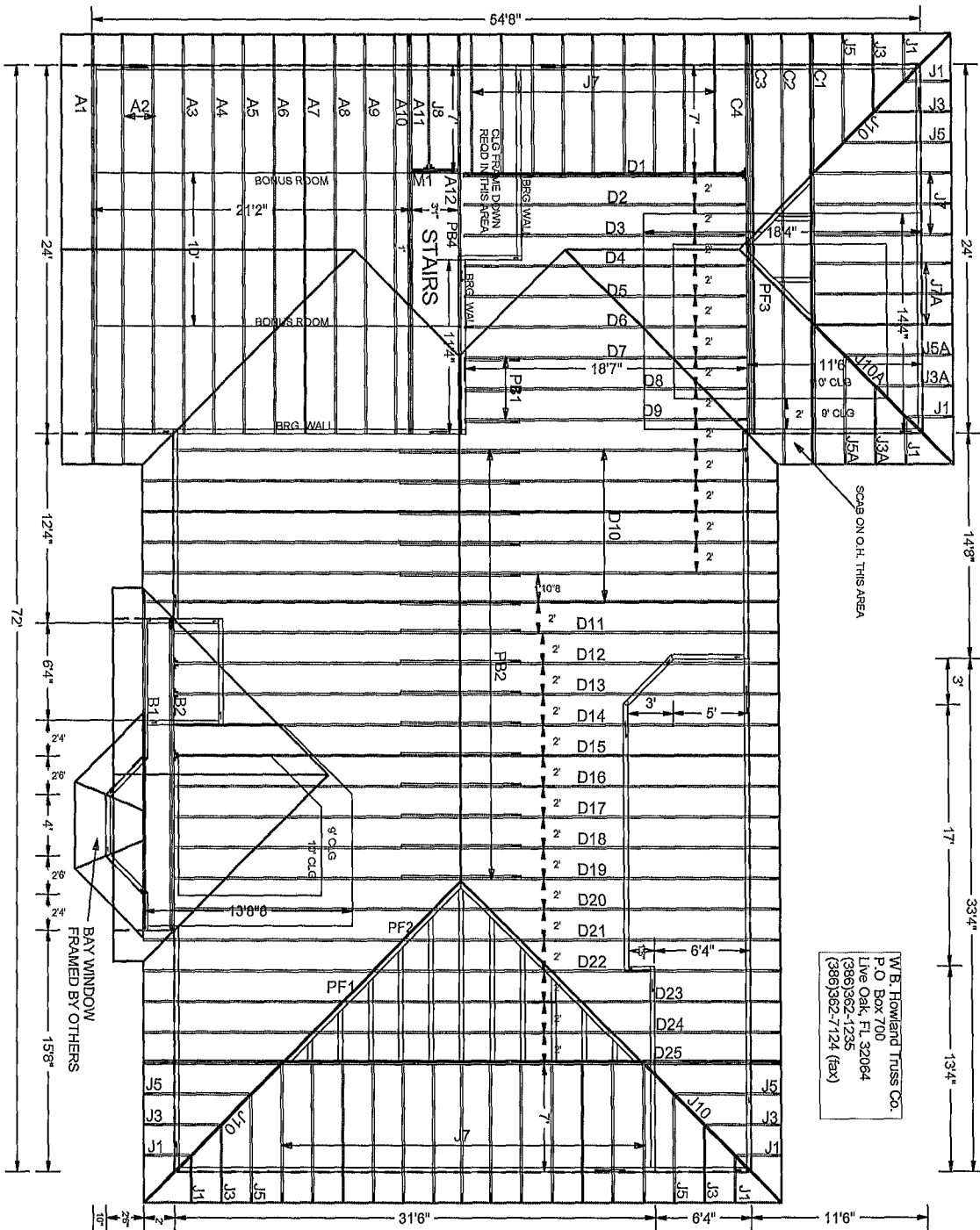
DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE
AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP
THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE
CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE
IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE
CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS
REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY
INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE. IF ANY
AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



01/22/2014

JREF- 1V39215_701



W.B. Howard Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386)362-1235
(386)362-7124 (fax)

ROOF PITCH: 8/12
CLG PITCH: NA
OVERHANG: 24"
LOADING: 40
WIND LOAD: 130
EXPOSURE: B
IDENTICAL
EXT WALLS: 2x4 FRAMING
DATE: 9/3/13

(18) TRUSS TO TRUSS
CONNECTIONS
LUS24/26 HANGER
D1-D9 TO C4
J8 TO M1
M1 TO A11
M1 TO A12
HUS26 HANGER
D15-D20 TO B2

JOB # 8298BBB

Job Name KIRCHENSTINER RESIDENCE
Customer EDGELY CONSTRUCTION
Designer Chris McCall
ADDRESS LAYOUT ONLY
SEE BB FOR ENGINEERING
SALESMAN: HOUSE
<Not Found>

JOB NO.
8298BBB

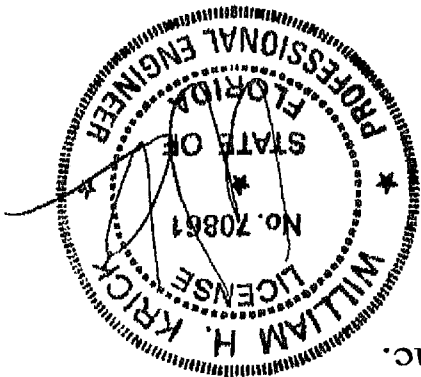
PAGE NO:
1 OF 1

Permit # 31527

Permit # 31527

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID IV32215-Z0116142107



01/16/2014

Truss Fabricator W.B. Howland
Job Identification REPAIR / 8298BB-/KIRCHENSTINE
Truss Count 4
Model Code Florida Building Code 2010
Truss Criteria FBC2010Res/TPI-2007(STD)
Engineering Software Alpine Software, Version 13.02.
Structural Engineer of Record The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC
Address Roof - 40.0 PSF @ 1.25 Duration
Minimum Design Loads Floor - N/A
Wind - 130 MPH ASCE 7-10 - Closed

Notes

- 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
- The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
- As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: BRCLSUB-

#	Ref	Description	Drawing#	Date
1	85299--D22	14016001	01/16/14	
2	85299--D23	14016002	01/16/14	
3	85299--D24	14016003	01/16/14	
4	85299--D25	14016004	01/16/14	

(REPAIR / 82988B-/KIRCHENSTINE - D22)

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5 0 psf, wind BC DL=5 0 psf. $G_{CPI}(+/-)=0.18$

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.18" due to live load and 0.33" due to dead load.

(a) Continuous lateral restraint equally spaced on member

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

Calculated vertical deflection is 0.37 due to live load and 0.66" due to dead load at X = 29-8-4

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

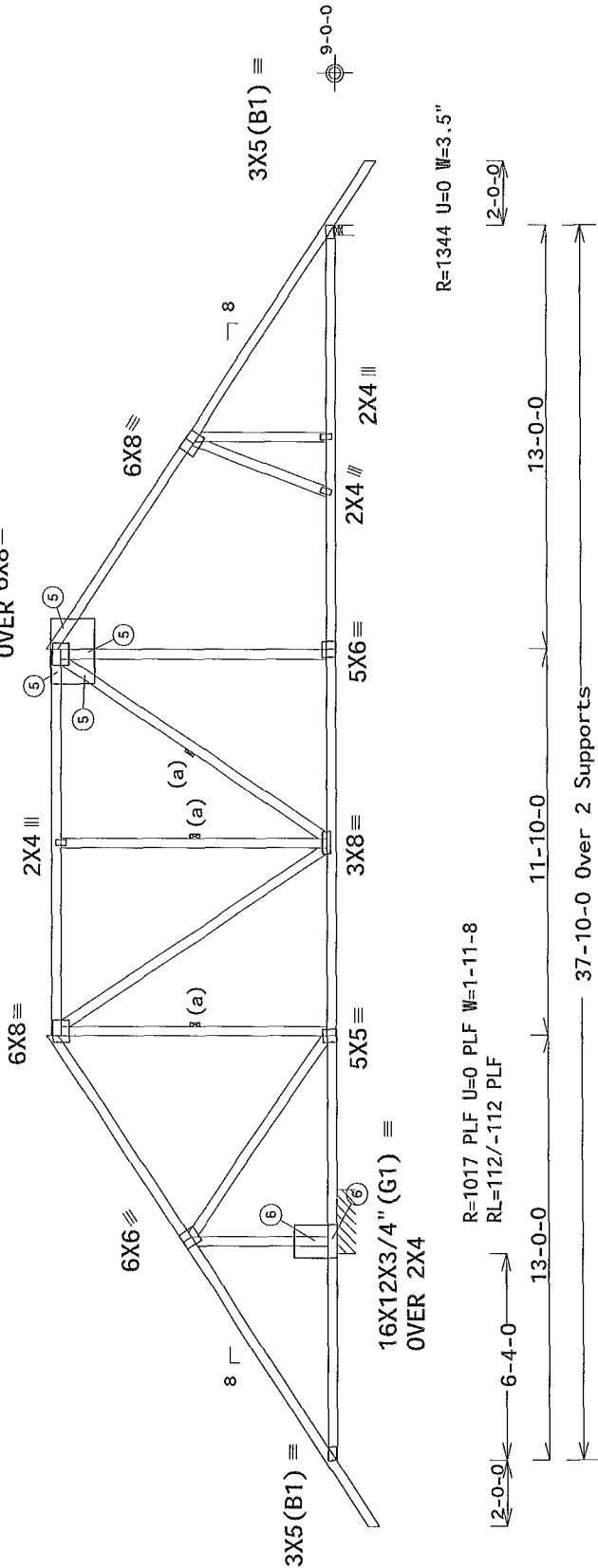
(G1) Gusset Plates are 3/4" APA RATED SHEATHING, 48/24, EXP 1 or 2 EXP 1 Apply gusset to each face of truss and attach with evenly distributed 0 131 x2 5" Nails specified in circles. Hatched lines indicate portions on gussets protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001 End Distance 2-1/8 Edge Distance 3/4 Spacing in a Row 2-1/8 Maximum Number of Rows for Member Size 2x4 3 Rows

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

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

Deflection meets L/360 live and L/240 total load Creep increase factor for dead load is 1.50

16X24X3/4" (G1) ≡
OVER 6X8 ≡



PLT TYP. Wave

Design Crit' FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

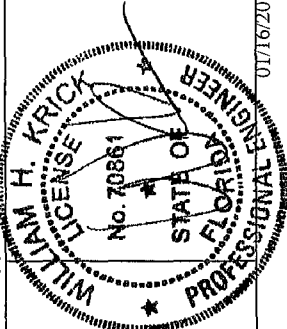
13.02.00.0926.18 QTY:0 FL/-/3/-/-/R/- Scale =.1875"/Ft.

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

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



TC LL	20.0 PSF	REF	R215--	85299
TC DL	10.0 PSF	DATE	01/16/14	
BC DL	10.0 PSF	DRW	HCUSR215	14016001
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	5394	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1V32215_Z01	

01/16/2014

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Left cantilever is exposed to wind

(a) Continuous lateral restraint equally spaced on member.

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

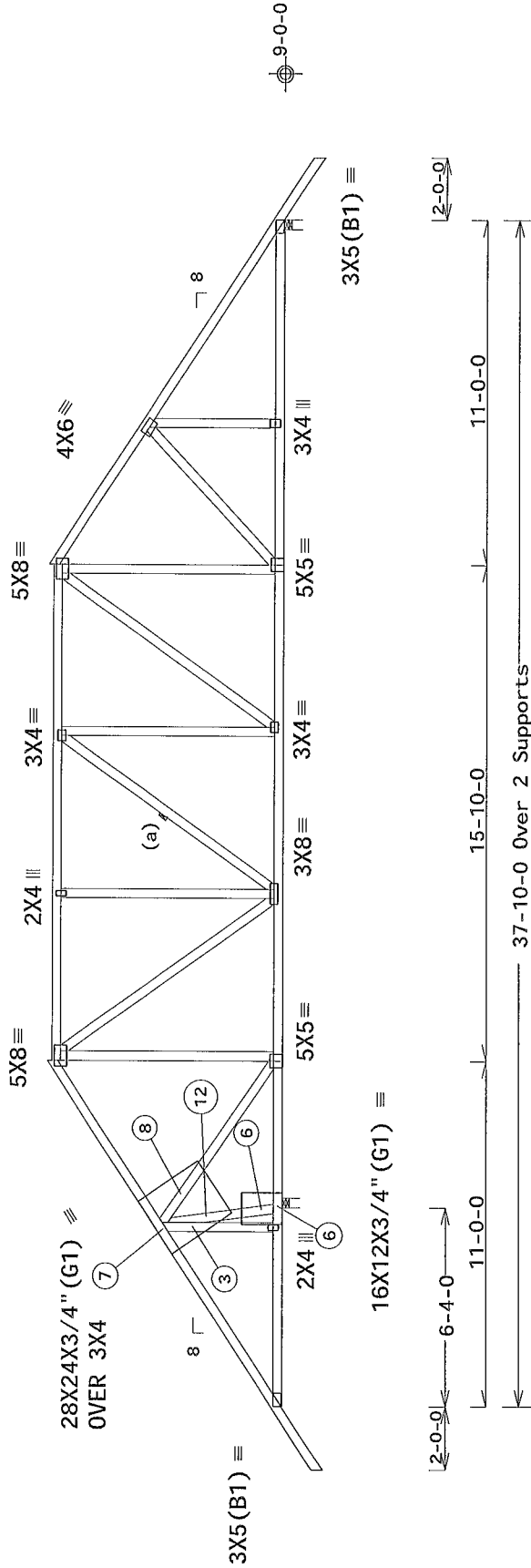
Bottom chord checked for 10.00 psf non-concurrent live load.

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

(G1) Gusset Plates are 3/4" APA RATED SHEATHING, 48/24, EXP 1 or 2. Apply gusset to each face of truss and attach with evenly distributed 0.131"x2.5" Nails specified in circles. Hatched lines indicate portions on gussets protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile. Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001. End Distance 2-1/8" Edge Distance 3/4" Spacing in a Row 2-1/8" Maximum Number of Rows for Member Size 2x4 3 Rows

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

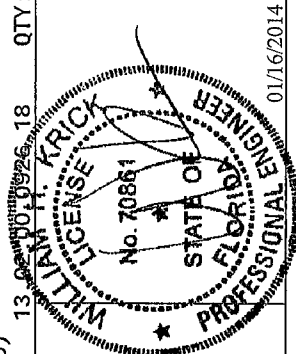
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

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



TC LL	20.0 PSF	QTY: 0	FL: -/3/-/-/R/-	Scale = .1875"/Ft.
TC DL	10.0 PSF	REF	R215--	85299
BC DL	10.0 PSF	DATE	01/16/14	
BC LL	0.0 PSF	DRW	HCUSR215	14016002
TOT. LD.	40.0 PSF	HC-ENG	WHK/WHK	
DUR. FAC.	1.25	SEQN-	5402	
SPACING	24.0"	FROM	CDM	
		JREF-	1V32215_Z01	

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP M-31

130 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=5.0 psf, wind BC DL=5.0 psf. GCpr (+/-)=0.18

Left cantilever is exposed to wind

(a) Continuous lateral restraint equally spaced on member

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

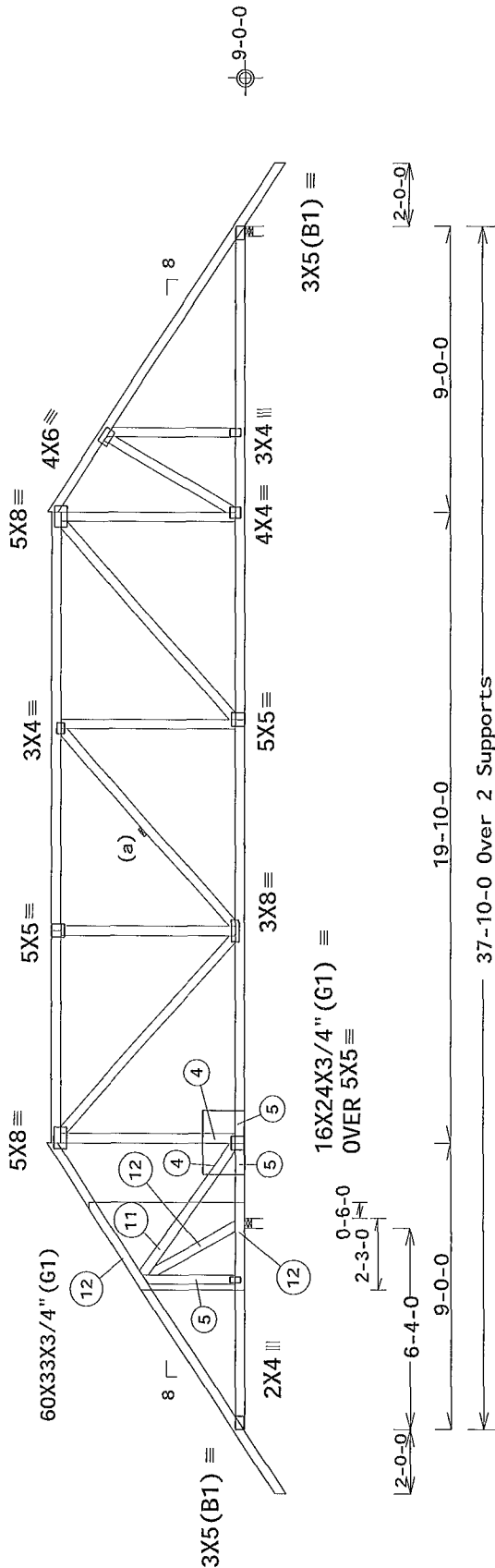
(G1) Gusset Plates are 3/4" APA RATED SHEATHING, 48/24, EXP 1 or 2. Apply gusset to each face of truss and attach with evenly distributed 0.131"x2 5" Nails specified in circles. Hatched lines indicate portions on gussets protruding outside of the perimeter of the truss that may be trimmed flush with the truss profile.

Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001:
End Distance 2-1/8" Edge Distance 3/4"
Spacing Between Rows 3/4" Spacing in a Row 2-1/8"
Maximum Number of Rows for Member Size
2x4 3 Rows

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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=1971 U=52 W=3 5" (1.5" min.)
RL=167/-167

R=1360 U=58 W=3.5" (1.5" min.)

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

TC LL	20.0 PSF	FL/-/3/-/-/R/-	QTY:0	Scale = .1875"/Ft.
TC DL	10.0 PSF	REF	R215--	85299
BC DL	10.0 PSF	DATE	01/16/14	
BC LL	0.0 PSF	DRW	HCUSR215 14016003	
TOT.LD.	40.0 PSF	HC-ENG	WHK/WHK	
DUR.FAC.	1.25	SEQN	5409	
SPACING	24.0"	FROM	CDM	
		JREF	1V32215_Z01	

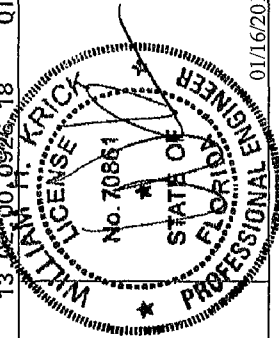
TRUSS REPAIR

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ALPINE

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



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID IV39215-Z0122104913



01/22/2014

Truss Fabricator
W.B. Howland
Job Identification
RE-REPAIR / 8298BB -KI RCHENS
Truss Count
1
Model Code
Florida Building Code 2010
Truss Criteria.
FBC2010Res/TPI-2007(STD)
Alpine Software,Version 13.02.
The identity of the structural EOR did not exist as of
Address
Minimum Design Loads
Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 130 MPH ASCE 7-10 -Closed

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: HCUSR215

1950 Marley Drive
Haines City, FL 33844

Walter P Finn
-Truss Design Engineer-

Details: -

#	Ref	Description	Drawing#	Date
1	37946--D25		14022001	01/22/14

(REPAIR / 82988B--KIRCHENSTINE - D25)

Top chord 2x4 SP M-31 T2, T3 2x6 SP M-31
Bot chord 2x6 SP M-31
Ebs 2x4 SP M-31 W1, 2x6 SP M-31

Special loads
-----Lumber Dur. Fac = 1.25 / Plate Dur. Fac. = 1.25
TC- From 60 plf at -2.00 to 60 plf at 7.00
TC- From 30 plf at 7.00 to 30 plf at 30.83
TC- From 60 plf at 30.83 to 60 plf at 39.83
BC- From 5 plf at -2.00 to 5 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.00
BC- From 10 plf at 7.00 to 10 plf at 30.80
BC- From 20 plf at 30.80 to 20 plf at 37.83
BC- From 5 plf at 37.83 to 5 plf at 39.83
TC- 423.07 lb Conc Load at 7.03, 30.80
TC- 176.33 lb Conc Load at 9.06, 11.06, 13.06, 15.06
17.06 18.92, 20.77, 22.77, 24.77, 26.77, 28.77
BC- 468.74 lb Conc Load at 7.03, 30.80
BC- 127.95 lb Conc Load at 9.06, 11.06, 13.06, 15.06
17.06, 18.92, 20.77, 22.77, 24.77, 26.77, 28.77

Wind loads and reactions based on MWFRS

Left cantilever is exposed to wind

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

NOTE PLYWOOD MAY BE NOTCHED FOR SUPPORTED JACKS (ON LOADED FACE)

2 COMPLETE TRUSSES REQUIRED

Nail Schedule 0 131 x3", min nails
Top Chord 1 Row @12.00 o c
Bot Chord 1 Row @12.00 o c
Webs 1 Row @ 4" o c
Use equal spacing between rows and stagger nails in each row to avoid splitting

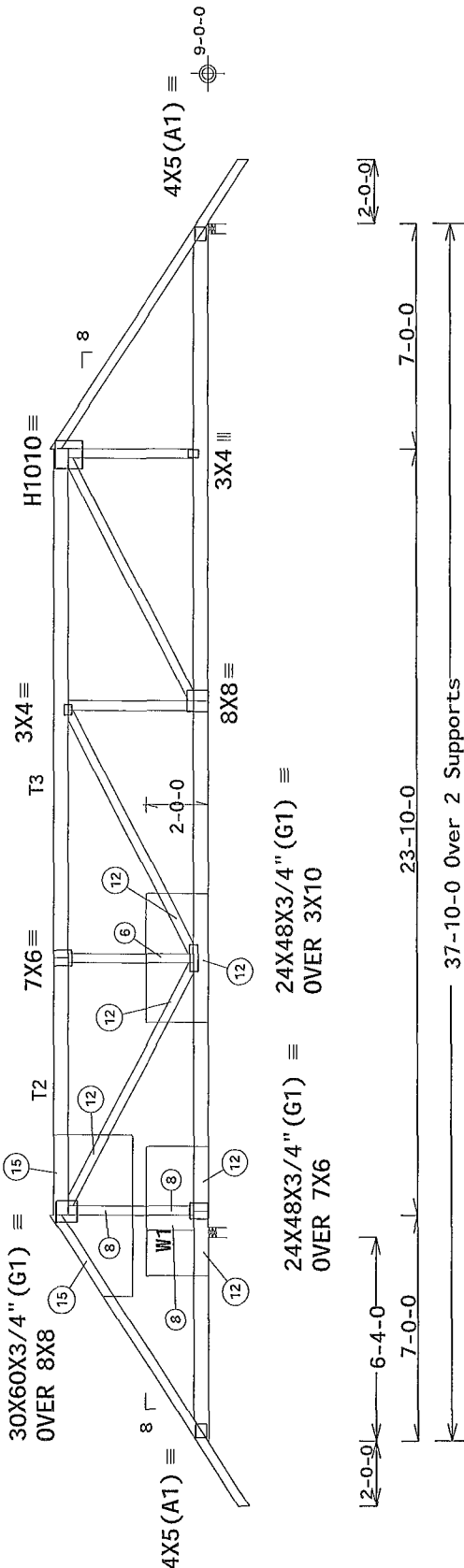
(1) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees

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

130 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=5.0 psf wind BC DL=5.0 psf GCPI (+/-)=0.18

Deflection meets L/360 live and L/240 total load Creep increase factor for dead load is 1.50

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Minimum Nail/Screw Spacing Requirements Based on ANSI/AF&PA NDS-2001
End Distance 2-1/8" Edge Distance 3/4"
Spacing Between Rows 3/4" Spacing in a Row 2-1/8"
Maximum Number of Rows for Member Size 2x4 3 Rows



PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

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



TC LL	20.0 PSF	FL/-/3/-/-/R/-	QTY: 0	Scale = .1875"/Ft
TC DL	10.0 PSF	REF	R215--	37946
BC DL	10.0 PSF	DATE	01/22/14	
BC LL	0.0 PSF	DRW	HCUSTR215	14022001
TOT. LD.	40.0 PSF	HC-ENG	SSB/WPF	
DUR. FAC.	1.25	SEQN-	5415	
SPACING	24.0"	FROM	CDM	
		JREF-	1V39215_Z01	

01/22/2014

CLR Reinforcing

Member Substitution

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

Notes:

- This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement
- Alternative reinforcement specified in chart below may be conservative
- For minimum alternative reinforcement, re-run design with appropriate reinforcement type

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

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

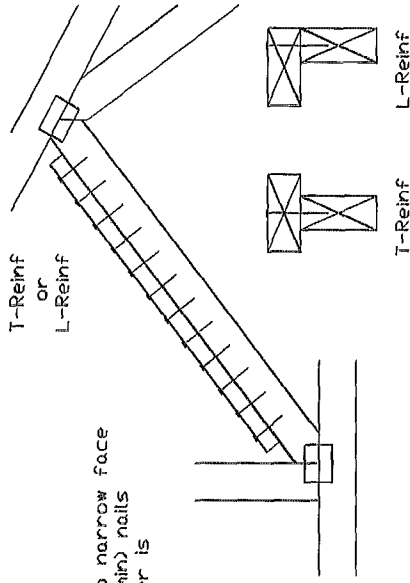
(*) Center scab on wide face of web Apply (1) scab to each face of web

T-Reinforcement

Or

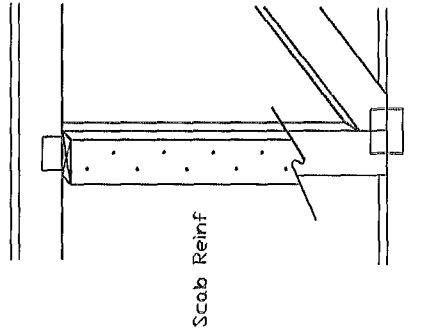
L-Reinforcement:

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



Scab Reinforcement:

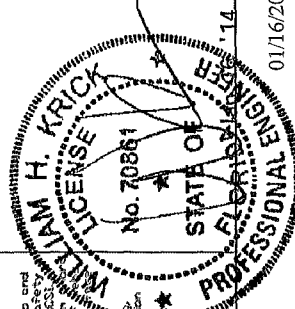
Apply scab(s) to wide face of web No more than (1) scab per face Attach with 10d (0.128"x3.0", min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Building Components Group Inc.

Earth City, MO 63045

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING
 TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO AND FOLLOW THE LATEST EDITION OF BCSI Guiding Component Safety Information, by TPI and BCSA for safety practices prior to performing these tasks. Trusses shall have a properly attached structural sheathing and bottom chord bracing installed per BCSI sections B3, B9 or B10, as applicable. Locations shown for permanent lateral restraint of truss and position as shown above and on the Joint Details, unless noted otherwise.
 BCSI Building Components Group, Inc. shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
 A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering by the Engineer. The responsibility and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2
 For more information see this job's general notes page and these web sites:
 ITWCSG: www.itwbcg.com TPI: www.tpi.org SBCA: www.sbcaindustry.org ICD: www.icd.org



01/16/2014

TC LL PSF CLR Subst.

TC DL PSF DATE 8/15/13

BC DL PSF DRWG BRCLBSUB0813

BC LL PSF

TOT L.D. PSF

DUR. FAC.

SPACING