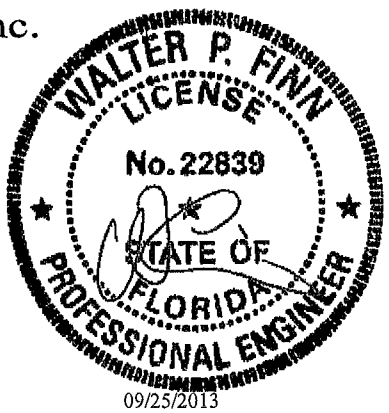
ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
 Document ID 1UZX215-Z0125051045



09/25/2013

Truss Fabricator	W.B. Howland
Job Identification.	8362-/ADDITION /Plumb Level Construction -- , FL
Truss Count:	8
Model Code	Florida Building Code 2010
Truss Criteria.	FBC2010Res/TPI-2007(STD)
Engineering Software	Alpine Software,Version 12.03.
Structural Engineer of Record.	The identity of the structural EOR did not exist as of
Address	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 130 MPH ASCE 7-10 -Closed

Notes

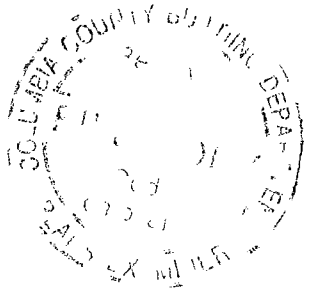
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Walter P Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: -

#	Ref Description	Drawing#	Date
1	80848--A	13268001	09/25/13
2	80849--A1	13268002	09/25/13
3	80850--A2	13268008	09/25/13
4	80851--J	13268004	09/25/13
5	80852--J1	13268005	09/25/13
6	80853--J2	13268006	09/25/13
7	80854--J3	13268007	09/25/13
8	80855--J4.	13268003	09/25/13



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

(8362[illegible]/ADDITION /Plumb Level Construction -- , FL - A)

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

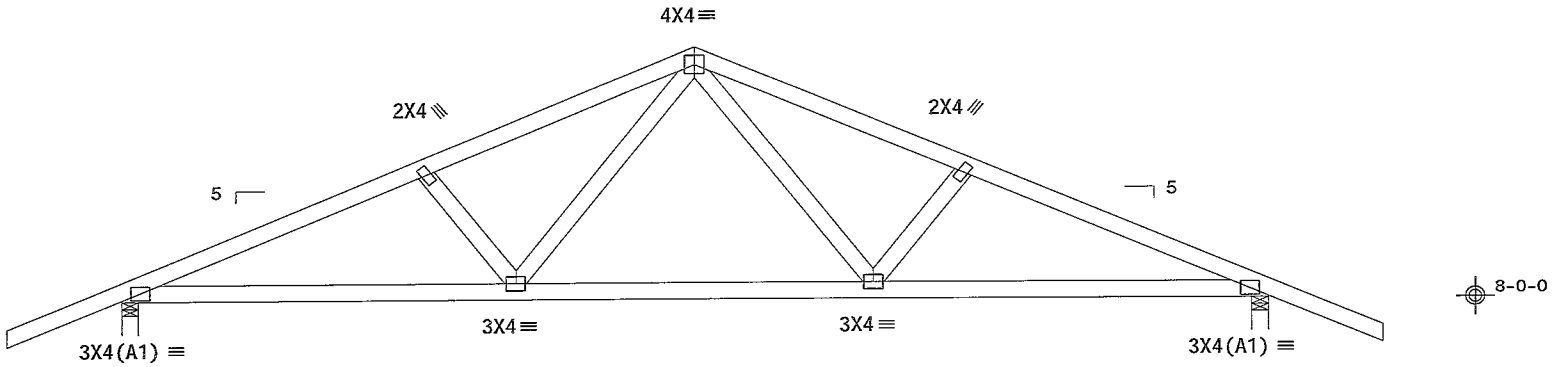
Bottom chord checked for 10 00 psf non-concurrent live load

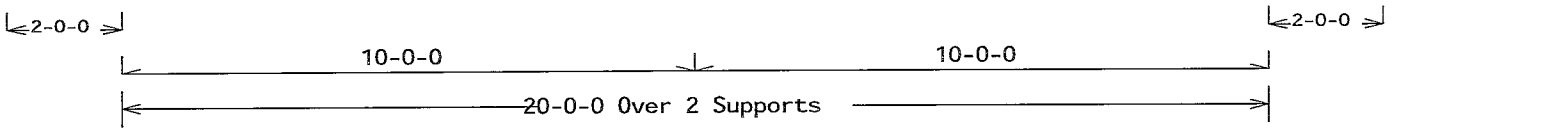
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5 0 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

The overall height of this truss excluding overhang is 4-6-1





R=929 U=179 W=3 5" (3.5" min)
RL=133/-133

R=929 U=179 W=3.5" (3.5" min.)

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

PLT TYP. Wave

12.03.05.0416.17 QTY 10 FL/-/1/-/-/R/-

Scale =.3125"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER 09/25/2013

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 webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

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

TC LL	20.0 PSF	REF	R215-- 80848
TC DL	10.0 PSF	DATE	09/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13268001
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	40.0 PSF	SEQN-	216232
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZX215_Z01

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

(8362L/ADDITION /Plumb Level Construction -- , FL - A1)

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

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

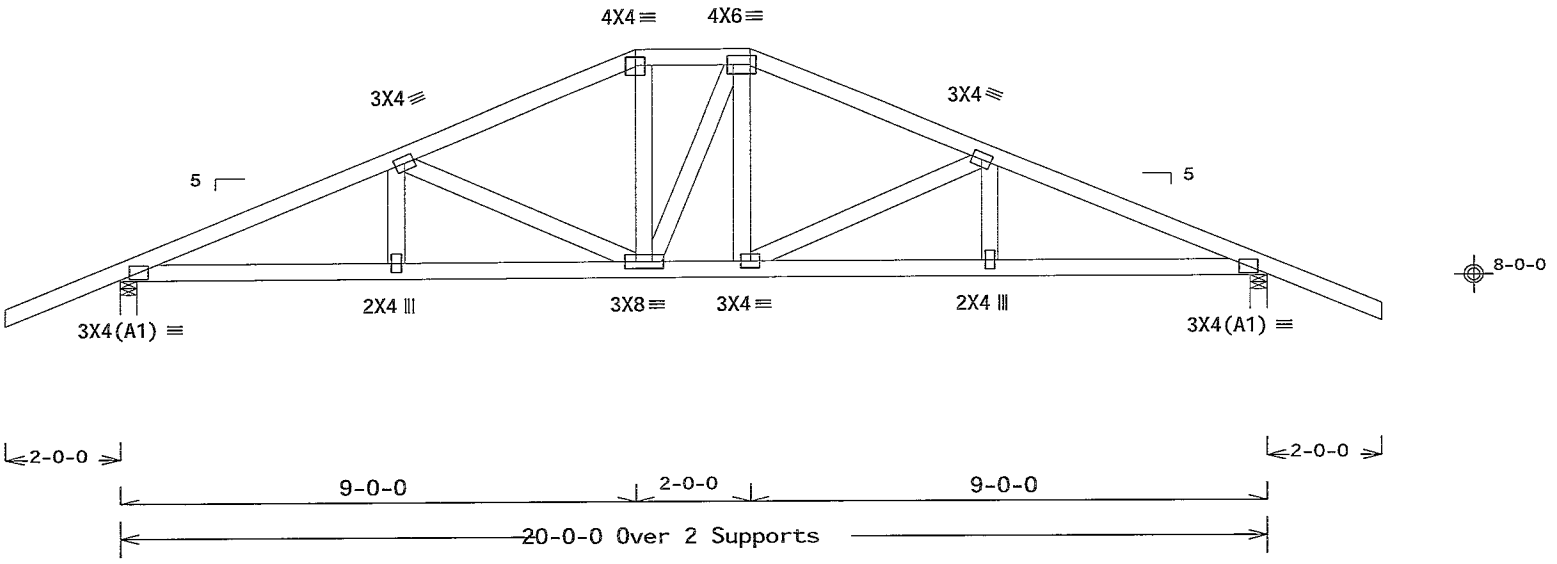
The overall height of this truss excluding overhang is 4-1-1

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

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

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

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



R=929 U=180 W=3.5" (3 5" min)
RL=124/-124

R=929 U=180 W=3.5" (3.5" min.)

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

PLT TYP. Wave

12.03.05.0416.1

QTY 1

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

Scale =.3125"/Ft.

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

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09/25/2013

TC LL	20.0 PSF	REF	R215-- 80849
TC DL	10.0 PSF	DATE	09/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13268002
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	40.0 PSF	SEQN-	216235
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZX215_Z01

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

(8362-/ADDITION /Plumb Level Construction -- , FL - A2)

Top chord 2x4 SP M-31 T2 2x6 SP M-31
Bot chord 2x6 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 C, wind TC DL=5 0 psf, wind BC DL=5 0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS

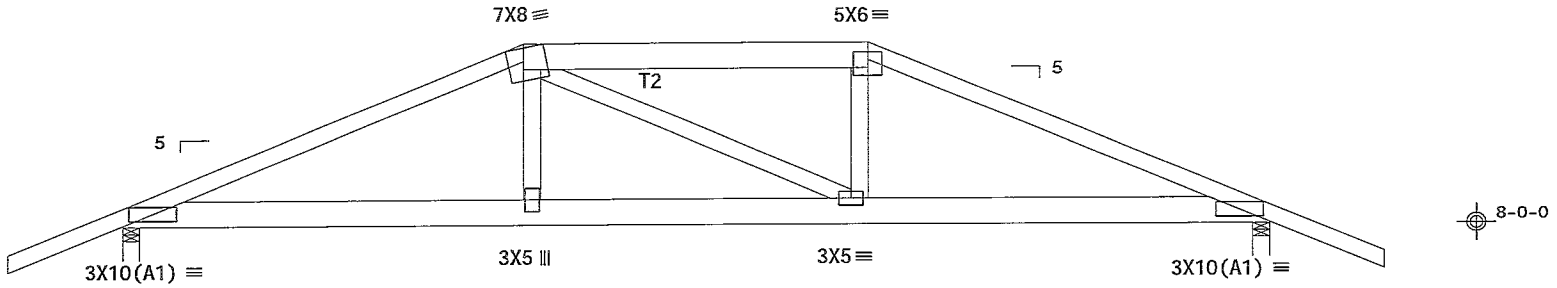
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

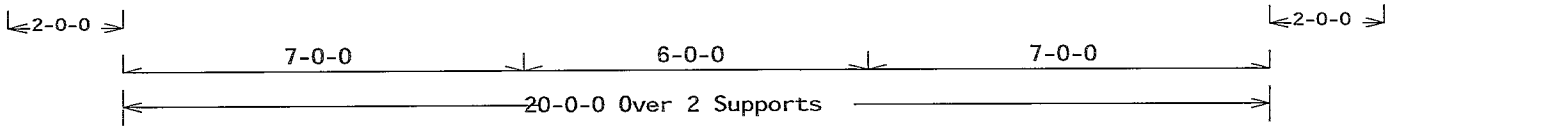
Bottom chord checked for 10 00 psf non-concurrent live load

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 60 plf at -2 00 to 60 plf at 7 00
TC- From 30 plf at 7 00 to 30 plf at 13 00
TC- From 60 plf at 13.00 to 60 plf at 22 00
BC- From 4 plf at -2.00 to 4 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 7.03
BC- From 10 plf at 7 03 to 10 plf at 12.97
BC- From 20 plf at 12.97 to 20 plf at 20.00
BC- From 4 plf at 20 00 to 4 plf at 22.00
TC- 296.91 lb Conc Load at 7 03,12.97
TC- 175 38 lb Conc Load at 9.06,10.94
BC- 485 45 lb Conc. Load at 7 03,12.97
BC- 125 41 lb Conc. Load at 9.06,10.94

The overall height of this truss excluding overhang is 3-3-1





R=1892 U=404 W=3.5" (3.5" min.) R=1892 U=404 W=3.5" (3.5" min.)

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

PLT TYP. Wave 12.03.05.0416.1 QTY 1 FL/-/1/-/-/R/- Scale =.3125"/Ft.

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

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09/25/2013

TC LL	20.0 PSF	REF	R215-- 80850
TC DL	10.0 PSF	DATE	09/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13268008
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	40.0 PSF	SEQN-	216240
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZX215_Z01

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

(8362-/ADDITION /Plumb Level Construction -- , FL - J)

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

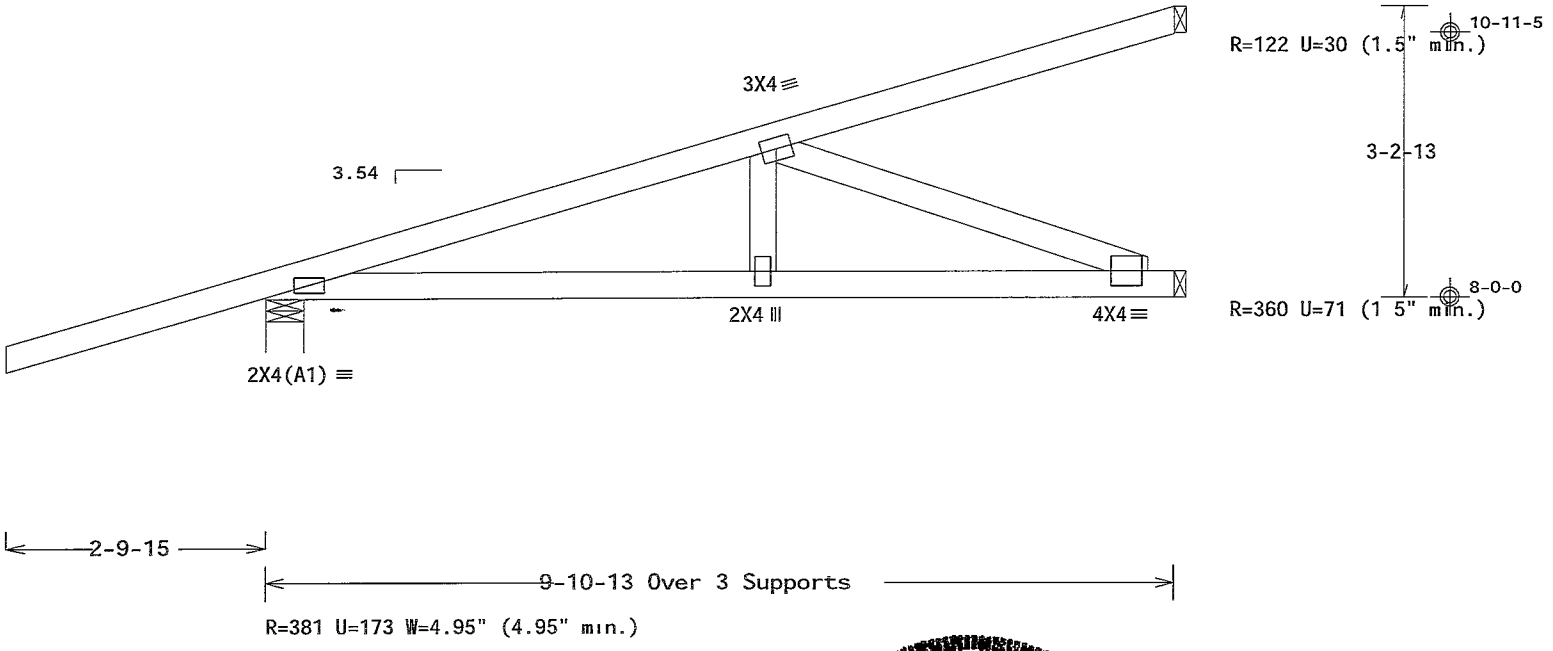
Wind loads and reactions based on MWFRS

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

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

Special loads
------(Lumber Dur.Fac =1 25 / Plate Dur Fac.=1 25)
TC- From 0 plf at -2.83 to 60 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 9.90
BC- From 0 plf at -2 83 to 4 plf at 0 00
BC- From 2 plf at 0.00 to 2 plf at 9 90
TC- -25 23 lb Conc. Load at 2 15
TC- 130 08 lb Conc Load at 4.98
TC- 260 17 lb Conc Load at 7.80
BC- 20.00 lb Conc Load at 2 15
BC- 110 24 lb Conc Load at 4.98
BC- 191 03 lb Conc Load at 7 80

The overall height of this truss excluding overhang is 3-2-13



Design Crit. FBC2010Res/TPI-2007(STD)
PLT TYP. Wave FT/RT=20%(0%)/10(0) [illegible] V:2 FL/-/1/-/-/R/- Scale =.5"/Ft.

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Orlando FL, 32837
FL COA #0 278

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TC LL	20.0 PSF	REF	R215-- 80851
TC DL	10.0 PSF	DATE	09/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13268004
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	40.0 PSF	SEQN-	216236
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZX215_Z01

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

(8362-/ADDITION /Plumb Level Construction -- , FL - J1)

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

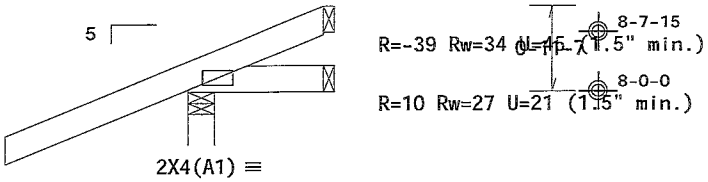
Bottom chord checked for 10 00 psf non-concurrent live load.

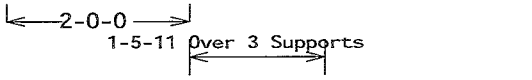
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1 50.

130 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

The overall height of this truss excluding overhang is 0-11-7





R=305 U=97 W=3.5" (3.5" min.)
RL=41/-26

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) [illegible] V:4 FL/-/1/-/-/R/- Scale =.5"/Ft.

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

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09/25/2013

TC LL	20.0 PSF	REF	R215-- 80852
TC DL	10.0 PSF	DATE	09/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13268005
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	40.0 PSF	SEQN-	216234
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZX215_Z01

(8362-/ADDITION /Plumb Level Construction -- , FL - J2)

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

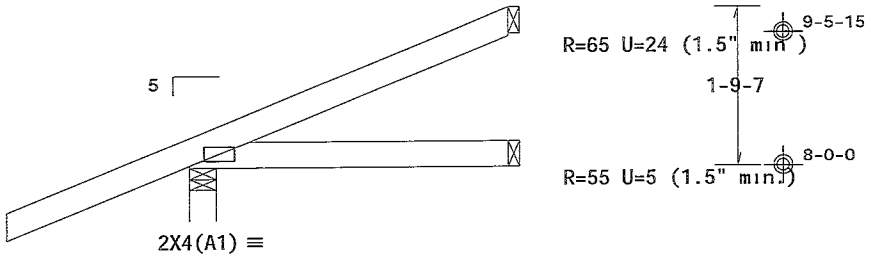
Bottom chord checked for 10 00 psf non-concurrent live load

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 C, wind TC DL=5.0 psf, wind BC DL=5 0 psf GCpi(+/-)=0.18

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

The overall height of this truss excluding overhang is 1-9-7



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=20%(0%)/10(0) | T2 05.05.0416.6 | QI:4 | FL/-/1/-/-/R/- | Scale =.5"/Ft.

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

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09/25/2013

TC LL	20.0 PSF	REF	R215-- 80853
TC DL	10.0 PSF	DATE	09/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13268006
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	40.0 PSF	SEQN-	216233
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZX215_Z01

(8362-/ADDITION /Plumb Level Construction -- , FL - J3)

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

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

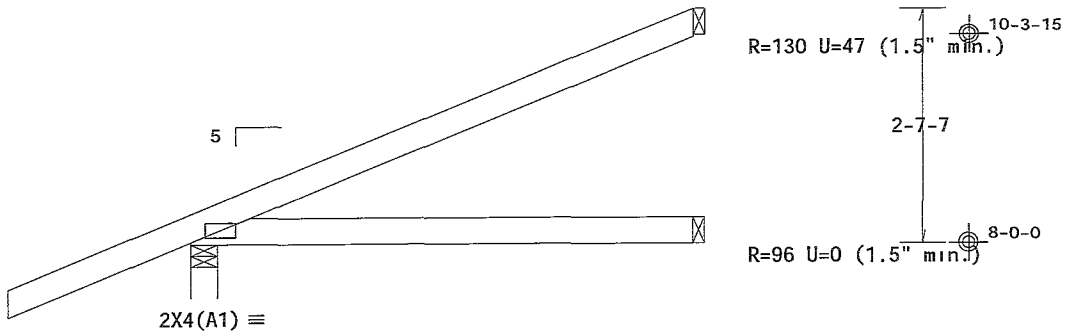
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1 50.

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

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 C, wind TC DL=5 0 psf, wind BC DL=5.0 psf GCpi(+/-)=0 18

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=20%(0%)/10(0) | 12.03.05.0416.16 | 01:4 | FL/-/1/-/-/R/- | Scale =.5"/Ft.

ALPINE
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Orlando FL, 32837
FL COA #0 278

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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to 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 Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
09/25/2013

TC LL	20.0 PSF	REF	R215-- 80854
TC DL	10.0 PSF	DATE	09/25/13
BC DL	10.0 PSF	DRW	HCUSR215 13268007
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	40.0 PSF	SEQN-	216230
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZX215_Z01

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

(8362-/ADDITION /Plumb Level Construction -- , FL - J4)

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

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

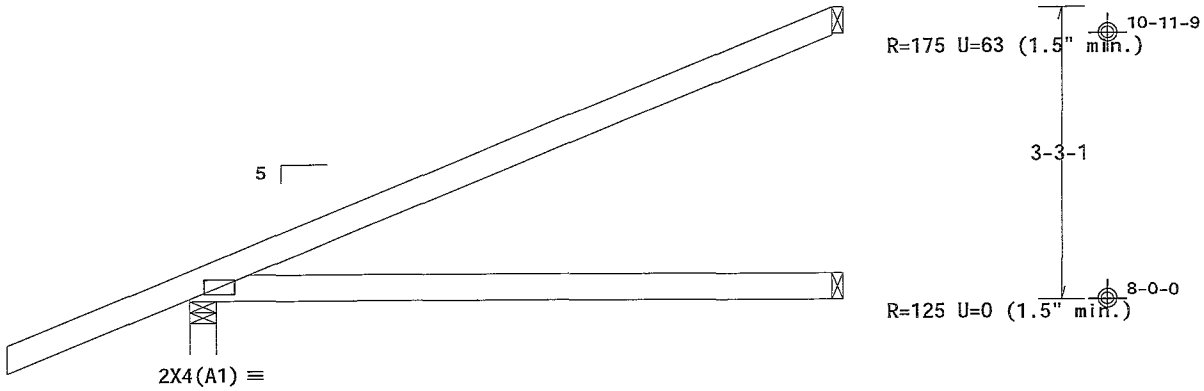
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1 50.

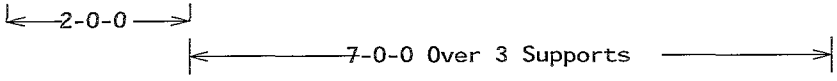
MWFRS loads based on trusses located at least 7 50 ft. from roof edge

130 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5 0 psf, wind BC DL=5.0 psf GCpi(+/-)=0 18

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

The overall height of this truss excluding overhang is 3-3-1





R=436 U=75 W=3 5" (3.5" min.)
RL=107/-34

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=20%(0%)/10(0) | 12.03.05.0416.1 | QTY 4 | FL/-/1/-/-/R/- | Scale =.5"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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