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 1UTA215-Z0128084438

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/28/2013

Truss Fabricator	W.B. Howland
Job Identification	8026-/MO PERKINS /MO PERKINS -- , FL
Truss Count	15
Model Code	Florida Building Code 2010
Truss Criteria	FBC2010Res/TPI-2007(STD)
Engineering Software	Alpine Software,Version 10.03.
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

Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: -

#	Ref	Description	Drawing#	Date
1	20809--A		13028014	01/28/13
2	20810--B		13028015	01/28/13
3	20811--B1		13028001	01/28/13
4	20812--B2		13028002	01/28/13
5	20813--B3		13028003	01/28/13
6	20814--B4		13028004	01/28/13
7	20815--J		13028005	01/28/13
8	20816--J1		13028006	01/28/13
9	20817--J2		13028007	01/28/13
10	20818--J3		13028008	01/28/13
11	20819--J4		13028009	01/28/13
12	20820--J5		13028010	01/28/13
13	20821--J6		13028011	01/28/13
14	20822--J7		13028012	01/28/13
15	20823--J8		13028013	01/28/13

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

(8026-/MO PERKINS /MO PERKINS -- , FL - A)

Top chord 2x4 SP_#2_N__12A T2 2x6 SP_#2_N_12A
Bot chord 2x6 SP_SS_12A
Webs 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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

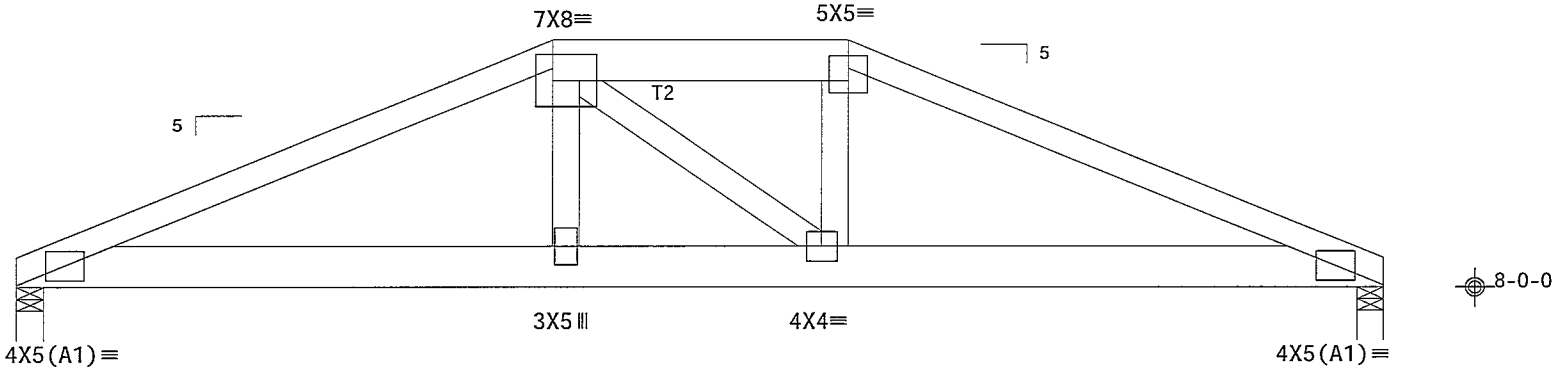
Bottom chord checked for 10 00 psf non-concurrent live load

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 62 plf at 0 00 to 62 plf at 5 88
TC- From 31 plf at 5 88 to 31 plf at 9 12
TC- From 62 plf at 9 12 to 62 plf at 15 00
BC- From 20 plf at 0 00 to 20 plf at 5 91
BC- From 10 plf at 5 91 to 10 plf at 9 09
BC- From 20 plf at 9 09 to 20 plf at 15 00
TC- 153 22 lb Conc Load at 5 94, 7 50, 9 06
BC- 610 09 lb Conc Load at 5 91, 9 09
BC- 106 18 lb Conc Load at 7 50

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

The overall height of this truss excluding overhang is 2-9-7



Design Crit FBC2010Res/TPI-2007(STD)
PLT TYP. Wave FT/RT=20%(0%)/10(0) 10 03 11 0209 20 QTY: 1 FL/-/5/-/-/R/- Scale =.5"/Ft.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/28/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

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

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation from th s design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the Jo nt Details unless noted otherwise Refer to drawings 160A-Z for standard plate posit ons A seal on this draw ng or cover page l sting this drawing indicates acceptance of professional engineering respons bility solely for the design shown The suitab l ty and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more informat on see Th s job s 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-- 20809
TC DL	10 0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028014
BC LL	0 0 PSF	HC-ENG	KD/DF
TOT LD.	40.0 PSF	SEQN-	251504
DUR FAC.	1 25	FROM	LRB
SPACING	24 0"	JREF-	1UTA215_Z01

Top chord 2x4 SP_SS_12A T2 2x6 SP_#2_N_12A
Bot chord 2x6 SP_#2_N_12A
Webs 2x4 SP_#2_N__12A

Lumber grades designated with '12A' use design values approved 1/5/2012 by ALSC

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

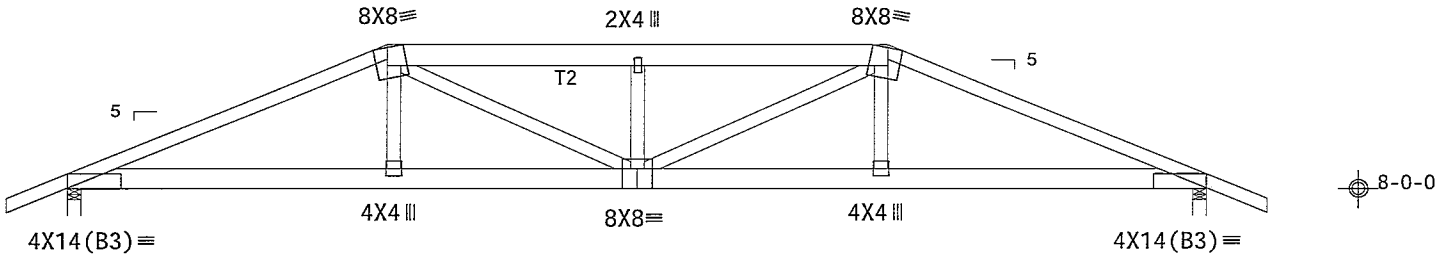
In lieu of structural panels use purlins to brace all flat TC @ 24' OC

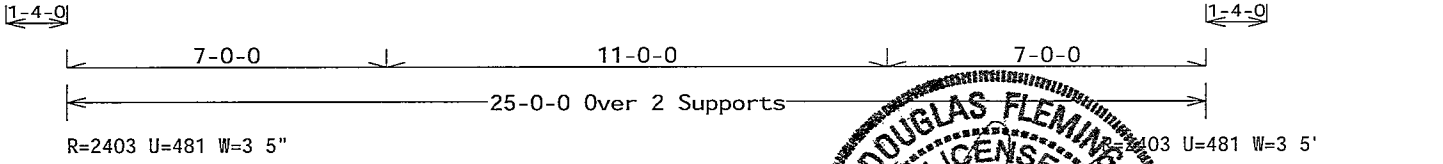
Bottom chord checked for 10 00 psf non-concurrent live load

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

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 62 plf at -1 33 to 62 plf at 7 00
TC- From 31 plf at 7 00 to 31 plf at 18 00
TC- From 62 plf at 18 00 to 62 plf at 26 33
BC- From 4 plf at -1 33 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 17 97
BC- From 20 plf at 17 97 to 20 plf at 25 00
BC- From 4 plf at 25 00 to 4 plf at 26 33
TC- 185 96 lb Conc Load at 7 06, 9 06,11 06,12 50 13 94,15 94,17 94
BC- 548 01 lb Conc Load at 7 03,17 97
BC- 127 96 lb Conc Load at 9 06,11 06,12 50,13 94 15 94

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





Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03 11 0209 20 /0TY: 2

PLT TYP. Wave

FL/-/5/-/-/R/- Scale =.25"/Ft.

TC LL	20 0 PSF	REF	R215-- 20810
TC DL	10 0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028015
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT LD.	40.0 PSF	SEQN-	251493
DUR.FAC	1 25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

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

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

(8026-/MO PERKINS /MO PERKINS -- , FL - B1)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A
Webs 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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

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

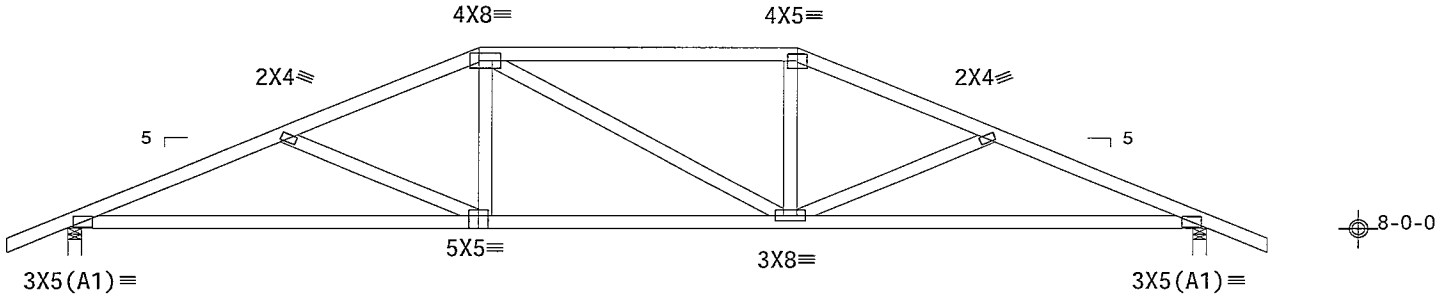
MWFRS loads based on trusses located at least 7 50 ft from roof edge

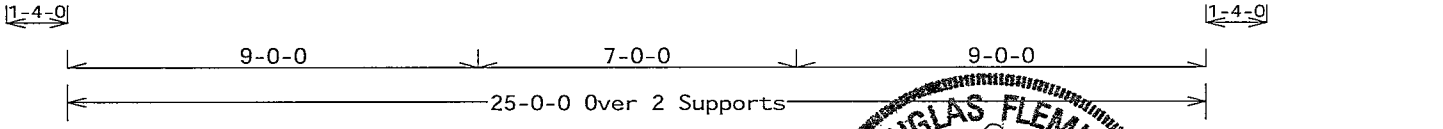
130 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5 0 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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





R=1109 U=207 W=3 5"
RL=111/-111

R=1109 U=207 W=3 5'

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Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 10 03 11 0209 20 QTY: 2 FL/-/5/-/-/R/- Scale =.25"/Ft.

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TC LL	20.0 PSF	REF	R215-- 20811
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028001
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT.LD.	40.0 PSF	SEQN-	251480
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

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

(8026-/MO PERKINS /MO PERKINS -- , FL - B2)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_SS_12A
Webs 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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

The overall height of this truss excluding overhang is 4-11-1

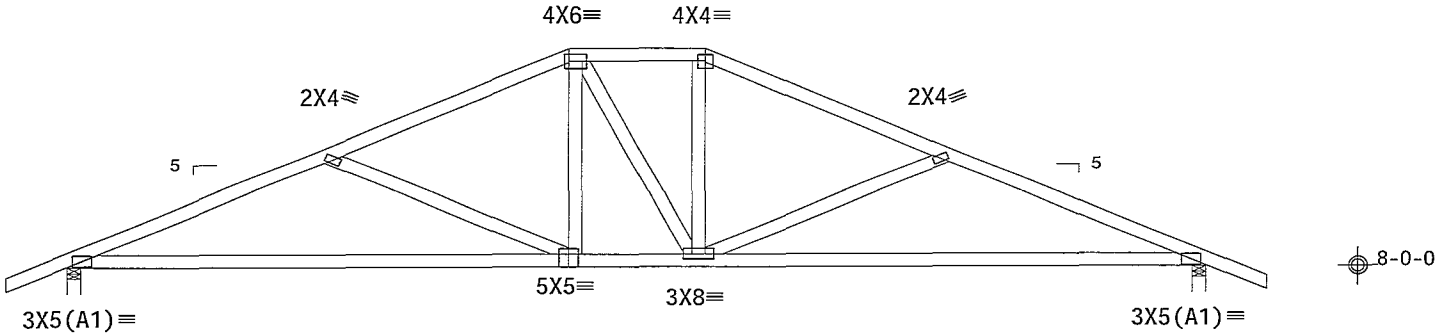
MWFRS loads based on trusses located at least 7 50 ft from roof edge

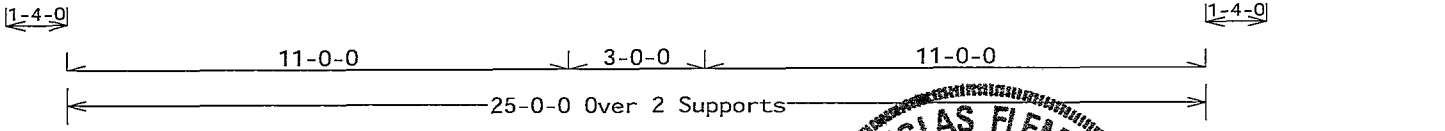
130 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5 0 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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





R=1109 U=205 W=3 5"
RL=129/-129

1109 U=205 W=3 5"

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

10 03 11 0209 20

QTY:

PLT TYP. Wave

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

Scale =.25"/Ft.

TC LL	20.0 PSF	REF	R215-- 20812
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028002
BC LL	0.0 PSF		HC-ENG KD/DF
TOT.LD.	40.0 PSF	SEQN-	251482
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

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01/28/2013

(8026-/MO PERKINS /MO PERKINS -- , FL - B3)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_SS_12A
Webs 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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

The overall height of this truss excluding overhang is 4-11-1

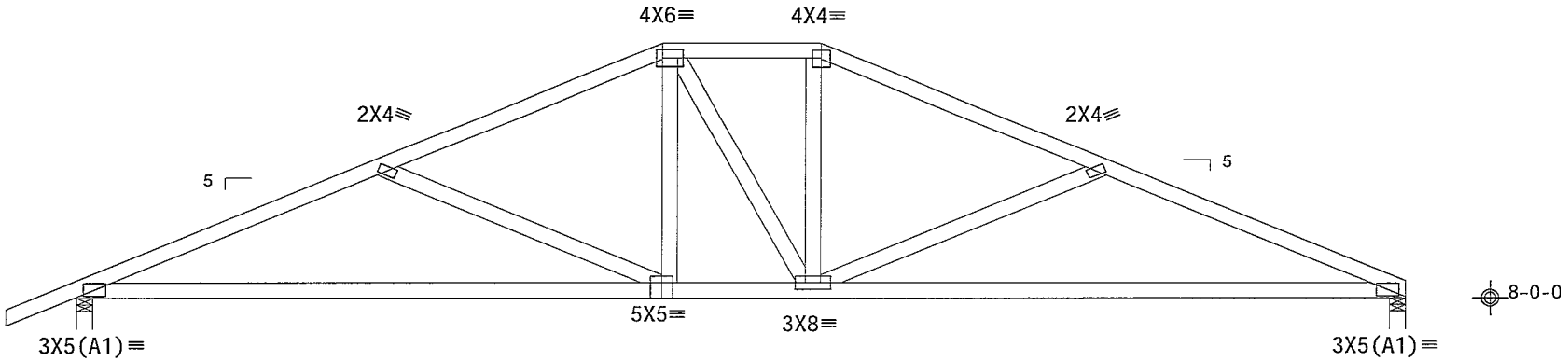
MWFRS loads based on trusses located at least 7 50 ft from roof edge

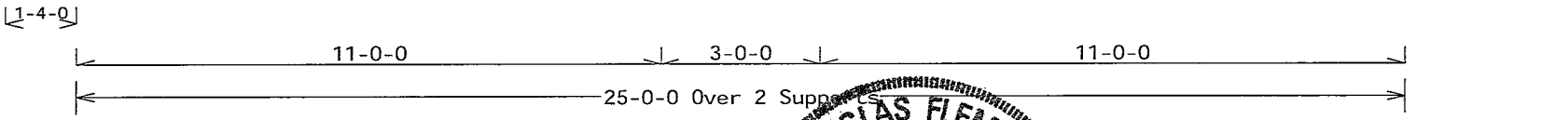
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5 0 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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





R=1112 U=206 W=3 5"
RL=113/-119

R=1018 U=180 W=3 5"

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

10103.11.0209.20 QTY:

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

Scale =.3125"/Ft.

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TC LL	20.0 PSF	REF	R215-- 20813
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028003
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT.LD.	40.0 PSF	SEQN-	251478
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

(8026-/MO PERKINS /MO PERKINS -- , FL - B4)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A
Webs 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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

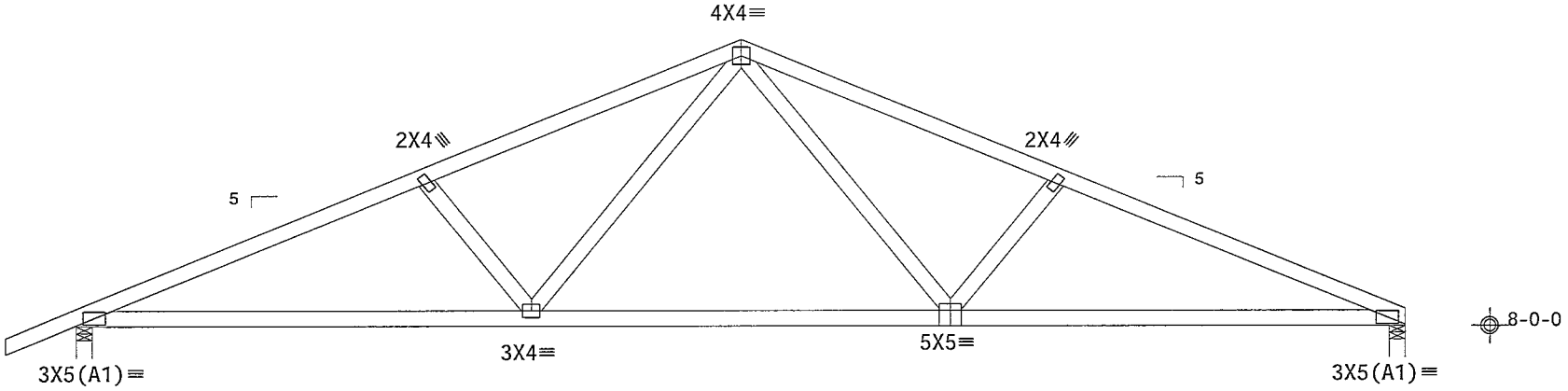
The overall height of this truss excluding overhang is 5-6-9

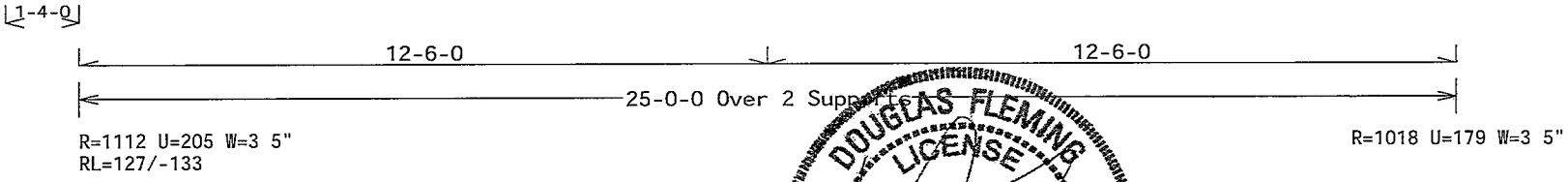
130 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5 0 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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





Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)
10.03.11.0209.20
QTY 8

PLT TYP. Wave

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

Scale =.3125"/Ft.

TC LL	20.0 PSF	REF	R215-- 20814
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028004
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT LD.	40 0 PSF	SEQN-	251476
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

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(8026-/MO PERKINS /MO PERKINS -- , FL - J)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A
Webs 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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

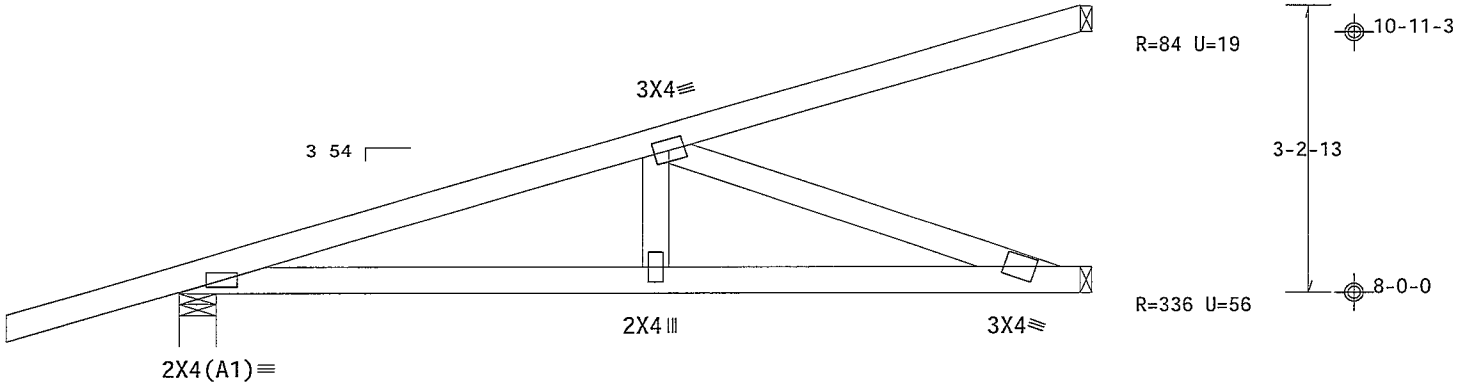
(T1) = (J) Tie not calculated Unavailable

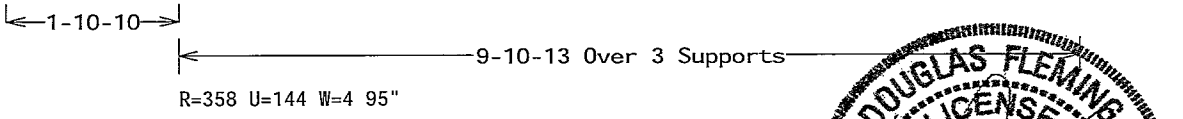
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 0 plf at -1 89 to 61 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 9 90
BC- From 0 plf at -1 89 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 9 90
PLT- -24 45 lb Conc Load at (1 48, 8 71)
PLT- 129 45 lb Conc Load at (4 31, 9 55)
PLT- 254 68 lb Conc Load at (7 13,10 38)
PLB- 9 66 lb Conc Load at (1 48, 8 04)
PLB- 98 61 lb Conc Load at (4 31, 8 04)
PLB- 178 25 lb Conc Load at (7 13, 8 04)

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

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)

10.03.11.0209.20

/0 TYP.

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

Scale =.5"/Ft.

DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/28/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
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 shipp ng installing and bracing Refer to and follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) for safety practices prior to perform ng these functions Installers shall prov de temporary brac ng per BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached rigid ceil ng Locat ons shown for permanent lateral restra nt of web shall have bracing nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be responsible for any deviation from th s design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installat on & brac ng of trusses Apply plates to each face of truss and position as shown above and on the Jo nt Deta ls unless noted otherwise Refer to drawings 160A-Z for standard plate positions A seal on th s draw ng or cover page listing this drawing indicates acceptance of professional eng neer ng respons b l ty solely for the design shown The suitability and use of this design for any structure s the respons bility of the Building Designer per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

TC LL	20.0 PSF	REF	R215-- 20815
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028005
BC LL	0 0 PSF	HC-ENG	KD/DF
TOT.LD.	40 0 PSF	SEQN-	251501
DUR FAC	1.25	FROM	LRB
SPACING	24 0"	JREF-	1UTA215_Z01

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

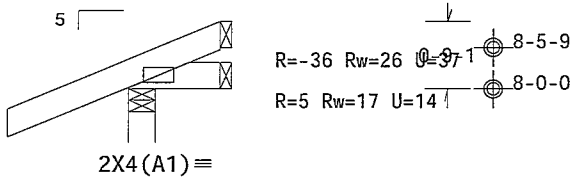
Bottom chord checked for 10 00 psf non-concurrent live load

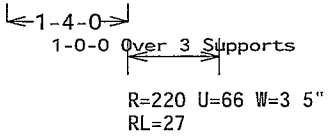
The overall height of this truss excluding overhang is 0-9-1

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

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





Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP Wave | FT/RT=20%(0%)/10(0) | 10.03.11.0209.20 | QTY 1 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/28/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev ation from this desi any fa lure to build the trusses in conformance w th ANSI/TPI 1 or for handling sh pping nstallation & bracing of trusses Apply plates to each face of truss and posit on as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate pos tions A seal on th s drawing or cover page listing this drawing indicates acceptance of professional engineering responsib lity solely for the design shown The suitab lity and use of this design for any structure is the respons b lity of the Building Designer per ANSI/TPI 1 Sec 2 For more informat on see Th s job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www ccsafe org

TC LL	20.0 PSF	REF	R215-- 20816
TC DL	10 0 PSF	DATE	01/28/13
BC DL	10 0 PSF	DRW	HCUSR215 13028006
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT.LD	40 0 PSF	SEQN-	251513
DUR.FAC	1 25	FROM	LRB
SPACING	24 0"	JREF-	1UTA215_Z01

(8026-/MO PERKINS /MO PERKINS -- , FL - J2)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

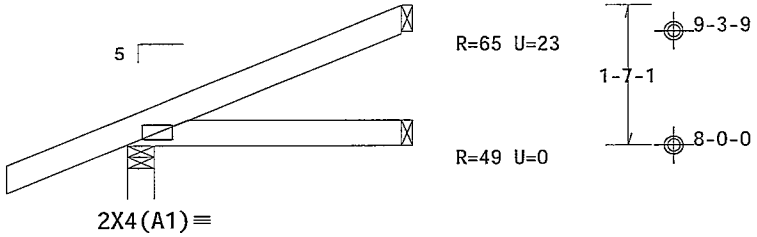
Bottom chord checked for 10 00 psf non-concurrent live load

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

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

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



Design Crit. FBC2010Res/TPI-2007(STD) 10 03.11 0209 20

PLT TYP. Wave FT/RT=20%(0%)/10(0) QTY. 2 FL/-/5/-/-/R/- Scale =.5"/Ft

DOUGLAS FLEMING LICENSE No 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/28/2013

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

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TC LL	20 0 PSF	REF	R215-- 20817
TC DL	10 0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028007
BC LL	0 0 PSF	HC-ENG	KD/DF
TOT LD	40.0 PSF	SEQN-	251472
DUR FAC.	1 25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

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

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

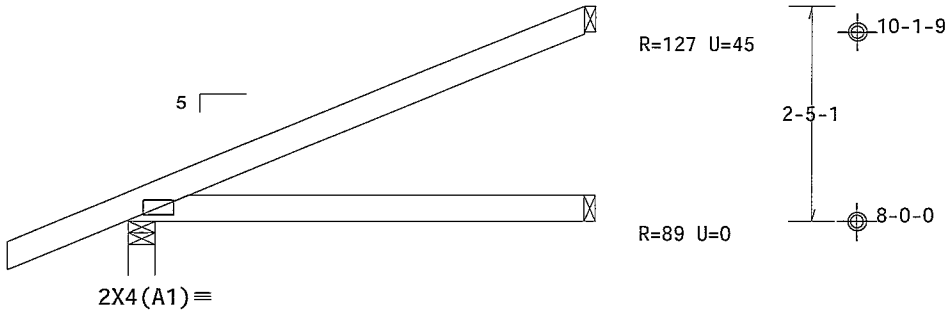
Bottom chord checked for 10 00 psf non-concurrent live load

The overall height of this truss excluding overhang is 2-5-1

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

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



Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0) 10 03.11.0209.20 QTY:

PLT TYP. Wave

FL/-/5/-/-/R/- Scale =.5"/Ft.

DOUGLAS FLEMING LICENSE No 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/28/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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TC LL	20.0 PSF	REF	R215-- 20818
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028008
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT.LD.	40.0 PSF	SEQN-	251485
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

(8026-/MO PERKINS /MO PERKINS -- , FL - J4)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A

Lumber grades designated with "12A use design values approved 1/5/2012 by ALSC

(T1) = (J) Tie not calculated Unavailable

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

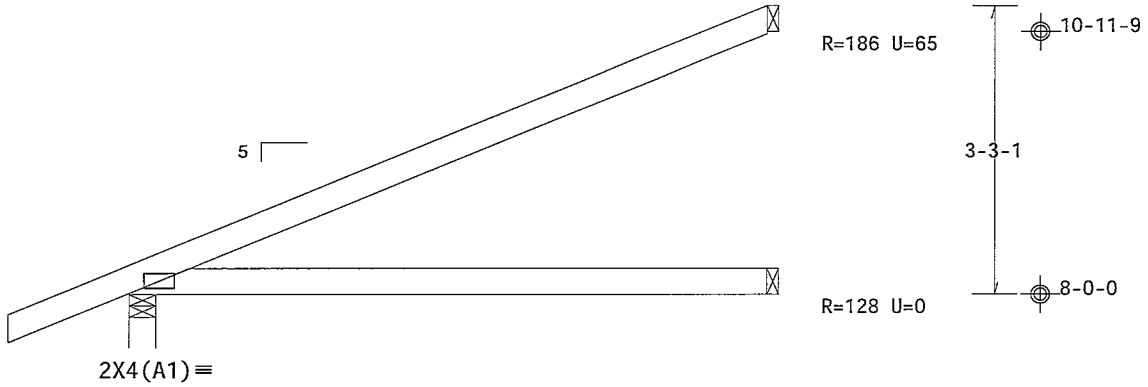
MWFRS loads based on trusses located at least 7 50 ft from roof edge

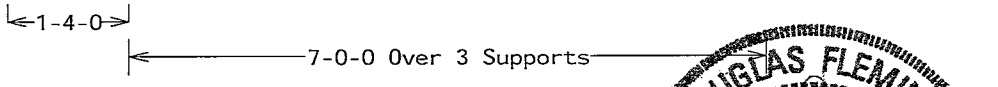
130 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5 0 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

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





Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 10 03 11 0209.20 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/28/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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TC LL	20 0 PSF	REF	R215-- 20819
TC DL	10 0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028009
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT.LD.	40.0 PSF	SEQN-	251484
DUR.FAC.	1 25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

(8026-/MO PERKINS /MO PERKINS -- , FL - J5)

Top chord 2x4 SP_SS_12A
Bot chord 2x4 SP_SS_12A
Webs 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

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

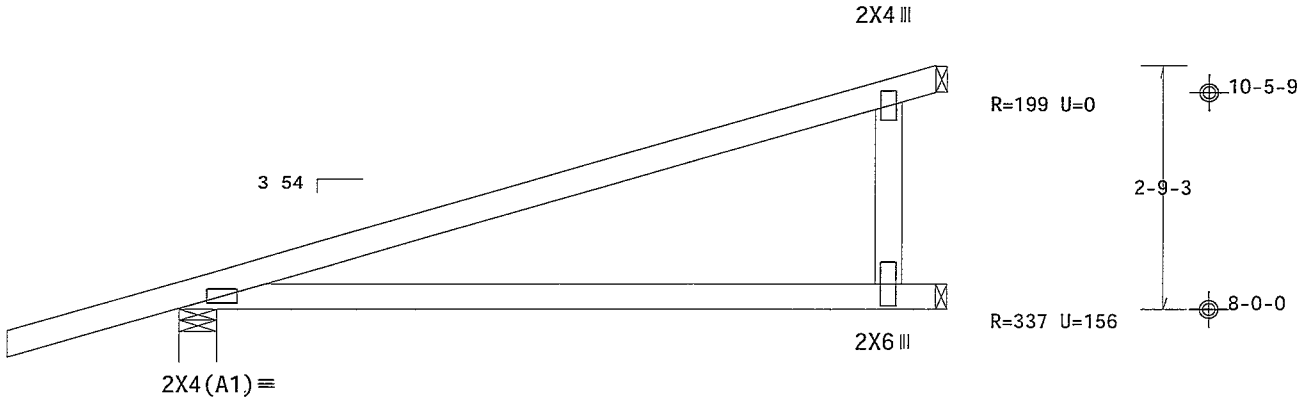
(T1) = (J) Tie not calculated Unavailable

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 -1 89 to 61 plf at 0 00
TC- From 2 plf at 0 00 to 2 plf at 8 31
BC- From 0 plf at -1 89 to 4 plf at 0 00
BC- From 2 plf at 0 00 to 2 plf at 8 31
TC- -24 45 lb Conc Load at 1 48
TC- 129 45 lb Conc Load at 4 31
TC- 262 43 lb Conc Load at 7 13
BC- 9 66 lb Conc Load at 1 48
BC- 98 61 lb Conc Load at 4 31
BC- 181 00 lb Conc Load at 7 13

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

The overall height of this truss excluding overhang is 2-9-3



Design Crit: FBC2010Res/TPI-2007(STD) 10 03 11.0209 20
FT/RT=20%(0%)/10(0)

PLT TYP. Wave QTY:

FL/-/5/-/-/R/- Scale =.5"/Ft

TC LL	20 0 PSF	REF	R215-- 20820
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028010
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT.LD.	40.0 PSF	SEQN-	251511
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to build the truss in conformance w th ANSI/TPI 1 or for handling sh pping 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 pos tions 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 Bu lding Designer per ANSI/TPI 1 Sec 2 For more information see This job s general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

DOUGLAS FLEMING LICENSE No 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/28/2013

(8026-/MO PERKINS /MO PERKINS -- , FL - J6)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

(T1) = (J) Tie not calculated Unavailable

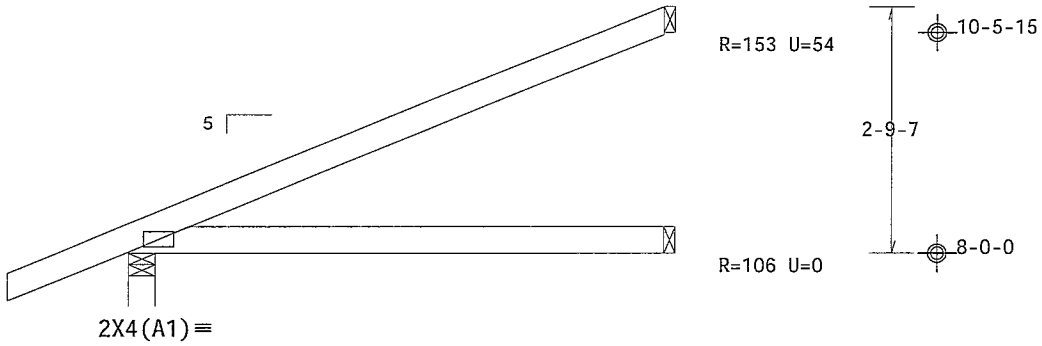
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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 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

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

The overall height of this truss excluding overhang is 2-9-7



Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=20%(0%)/10(0) 10 03.11.0209 20

PLT TYP. Wave QTY:

FL/-/5/-/-/R/- Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R215-- 20821
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028011
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT.LD	40.0 PSF	SEQN-	251483
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/28/2013

(8026-/MO PERKINS /MO PERKINS -- , FL - J7)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

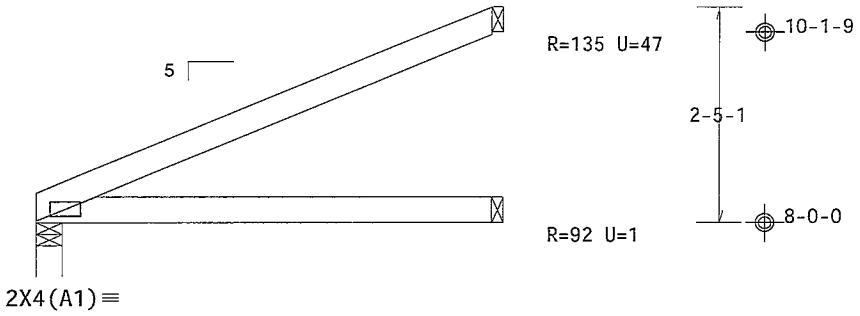
Bottom chord checked for 10 00 psf non-concurrent live load

The overall height of this truss excluding overhang is 2-5-1

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

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



Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

10303.11.0209.20 QTY:

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

Scale =.5"/Ft.

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ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling sh pping 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 draw ng or cover page listing this drawing indicates acceptance of professional engineering responsibil ty solely for the design shown The suitability and use of this design for any structure is the responsibility of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more information see This job s 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-- 20822
TC DL	10.0 PSF	DATE	01/28/13
BC DL	10.0 PSF	DRW	HCUSR215 13028012
BC LL	0.0 PSF	HC-ENG	KD/DF
TOT.LD	40.0 PSF	SEQN-	251474
DUR.FAC	1 25	FROM	LRB
SPACING	24.0"	JREF-	1UTA215_Z01

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

(8026-/MO PERKINS /MO PERKINS -- , FL - J8)

Top chord 2x4 SP_#2_N__12A
Bot chord 2x4 SP_#2_N__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

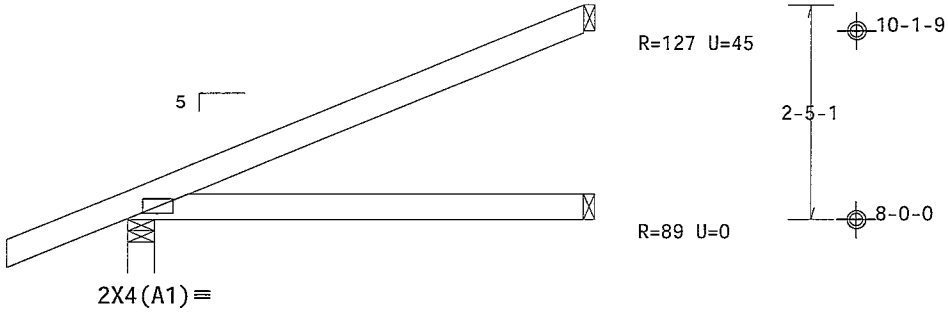
Bottom chord checked for 10 00 psf non-concurrent live load

The overall height of this truss excluding overhang is 2-5-1

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP Wave

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

10.03.11.0209 20 /QTY 2

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

Scale =.5"/Ft.

DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

01/28/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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REF	R215-- 20823
DATE	01/28/13
DRW	HCUSR215 13028013
HC-ENG	KD/DF
SEQN-	251473
FROM	LRB
JREF-	1UTA215_Z01