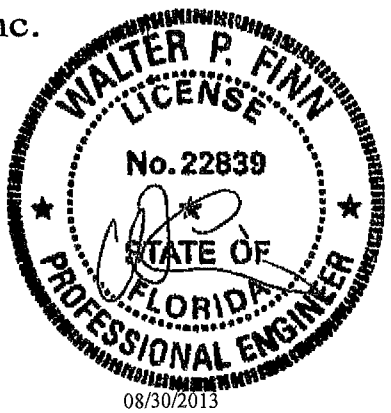
ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
 Document ID 1UZ8215-Z0130143517



08/30/2013

Truss Fabricator	W.B. Howland
Job Identification	8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL
Truss Count:	19
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

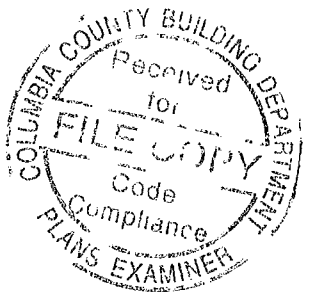
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown 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	91797--A		13242018	08/30/13
2	91798--A1		13242004	08/30/13
3	91799--A2		13242005	08/30/13
4	91800--A3		13242006	08/30/13
5	91801--A4		13242007	08/30/13
6	91802--A5		13242008	08/30/13
7	91803--A6		13242009	08/30/13
8	91804--B		13242010	08/30/13
9	91805--B1		13242011	08/30/13
10	91806--C		13242019	08/30/13
11	91807--C1		13242016	08/30/13
12	91808--C2		13242017	08/30/13
13	91809--J		13242012	08/30/13
14	91810--J1		13242013	08/30/13
15	91811--J2		13242014	08/30/13
16	91812--J3		13242015	08/30/13
17	91813--J4		13242001	08/30/13
18	91814--J5		13242002	08/30/13
19	91815--J6		13242003	08/30/13



(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - A)

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

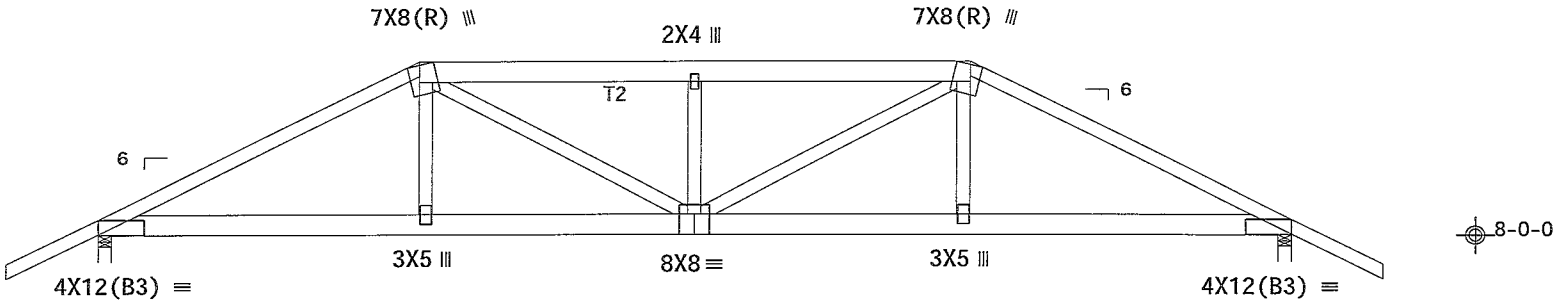
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

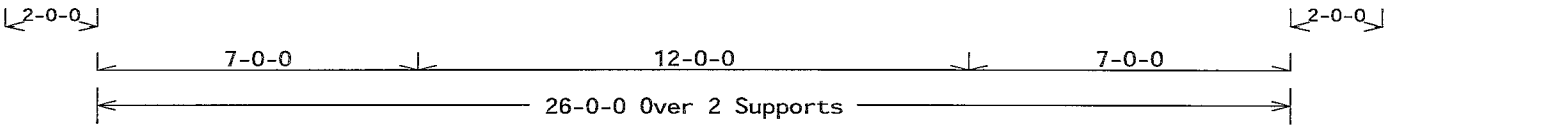
Bottom chord checked for 10.00 psf non-concurrent live load.

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 62 plf at -2.00 to 62 plf at 7.00
TC- From 31 plf at 7.00 to 31 plf at 19.00
TC- From 62 plf at 19.00 to 62 plf at 28.00
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 18.97
BC- From 20 plf at 18.97 to 20 plf at 26.00
BC- From 4 plf at 26.00 to 4 plf at 28.00
TC- 311.43 lb Conc. Load at 7.03,18.97
TC- 182.47 lb Conc. Load at 9.06,11.06,13.00,14.94
16.94
BC- 491.55 lb Conc. Load at 7.03,18.97
BC- 126.97 lb Conc. Load at 9.06,11.06,13.00,14.94
16.94

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





R=2534 U=554 W=3.5" (3.5" min.)

R=2534 U=554 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 12.03.06.0416.1* QTY 2 FL/-/1/-/-/R/- Scale =.25"/Ft.

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

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

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

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

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91797
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242018
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214875
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

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

(8327-/KOHN RESIDENCE /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.

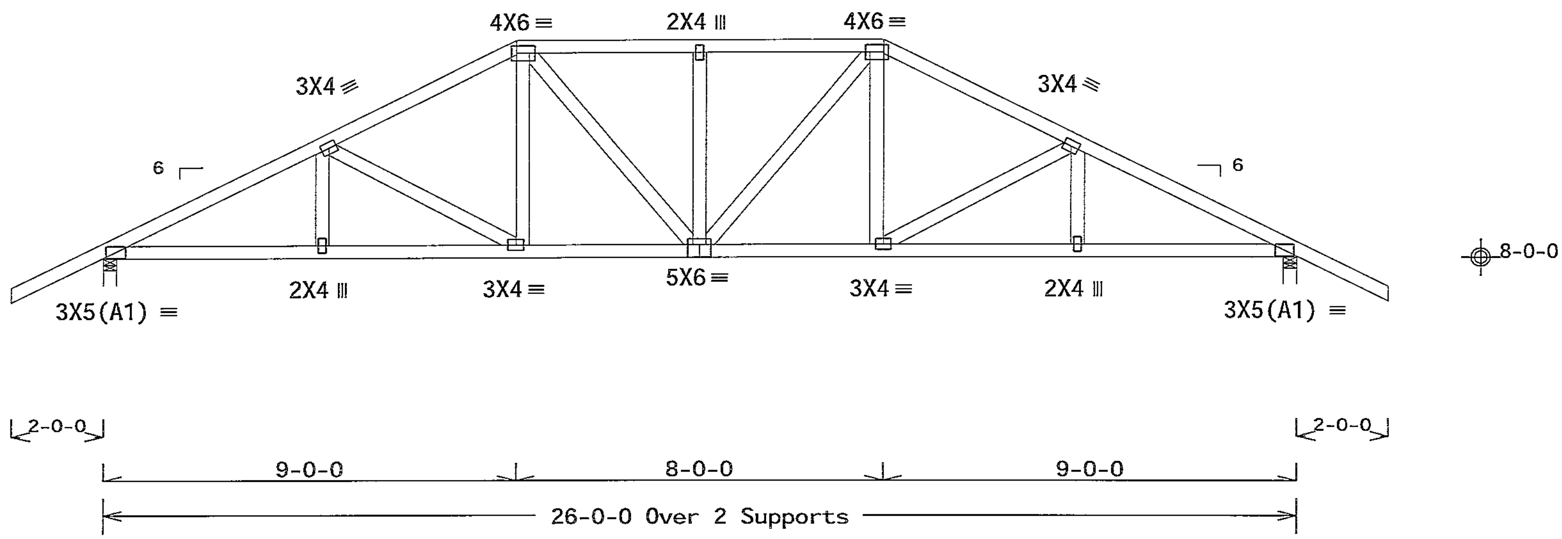
The overall height of this truss excluding overhang is 4-10-3.

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=1204 U=222 W=3.5" (3.5" min.)
RL=165/-165

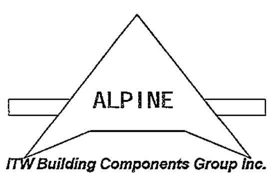
R=1204 U=222 W=3 5" (3.5" min.)

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

PLT TYP. Wave

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

Scale =.25"/Ft.



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Orlando FL, 32837
FL COA #0 278

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WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/30/2013

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"

REF	R215-- 91798
DATE	08/30/13
DRW	HCUSR215 13242004
HC-ENG	KD/AP
SEQN-	214862
FROM	CDM
JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - A2)

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.

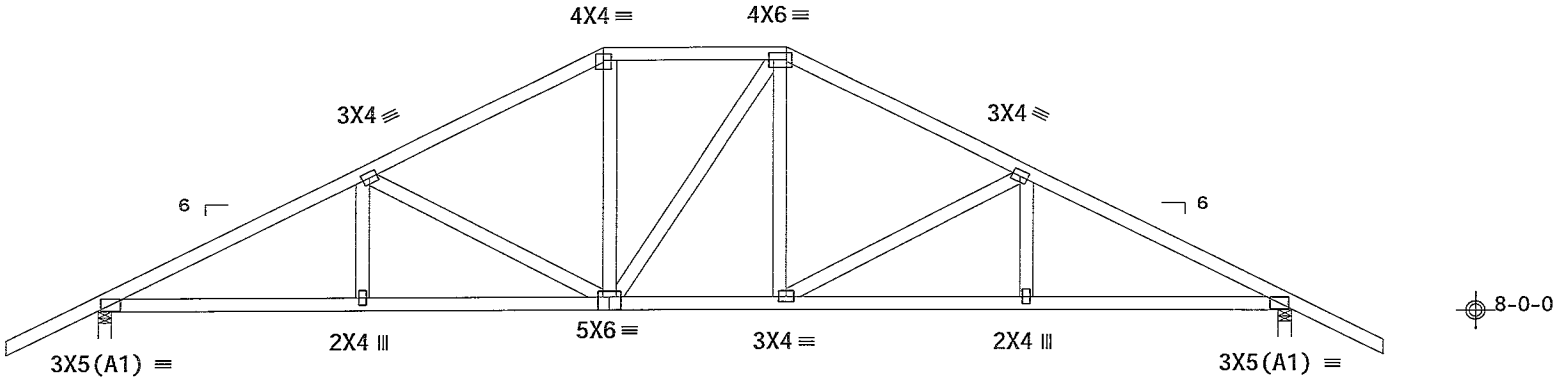
The overall height of this truss excluding overhang is 5-10-3.

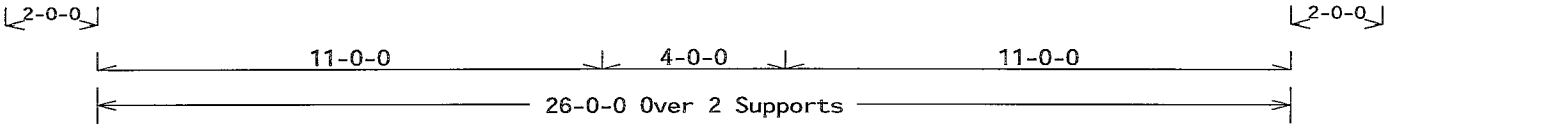
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0 18

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=1204 U=220 W=3.5" (3.5" min.)
RL=191/-191

R=1204 U=220 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=20%(0%)/10(0) | 12-03-08.0416.1c | Q1 2 | FL/-/1/-/-/R/- | Scale =.25"/Ft.

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08/30/2013

TC LL	20.0 PSF	REF	R215-- 91799
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242005
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214867
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - A3)

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.

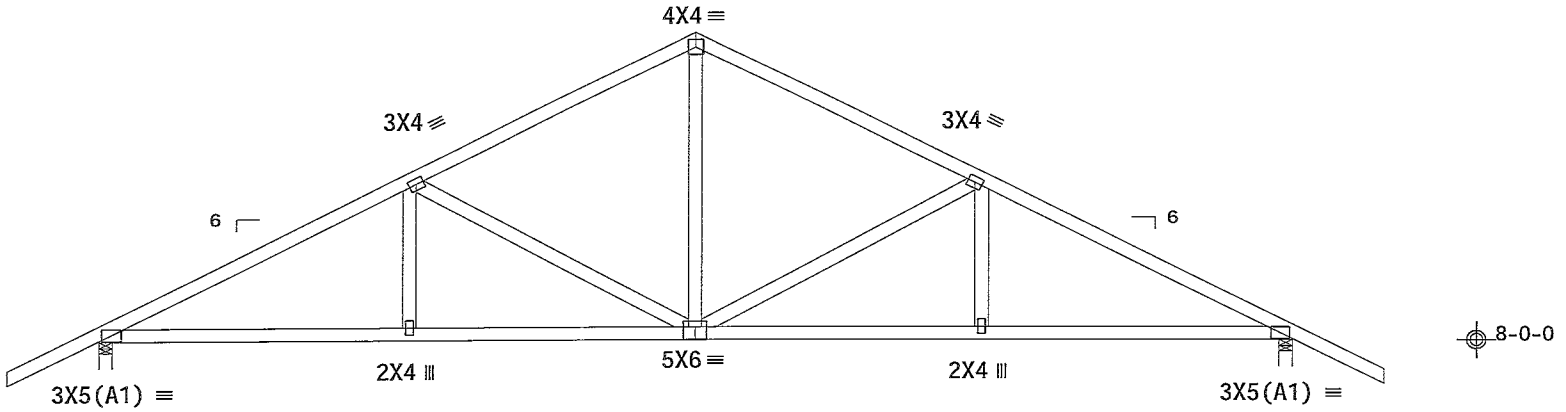
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

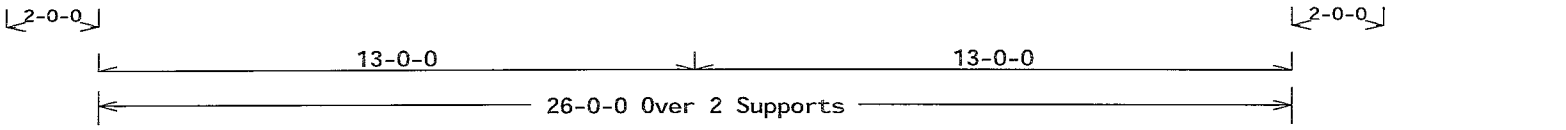
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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.

The overall height of this truss excluding overhang is 6-10-3.





R=1204 U=31 W=3.5" (3.5" min.)
RL=216/-216

R=1204 U=31 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

12.03.03.0416.12 QT 3

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

Scale =.25"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER 08/30/2013

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FL COA #0 278

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TC LL	20.0 PSF	REF	R215-- 91800
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242006
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214935
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - A4)

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

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

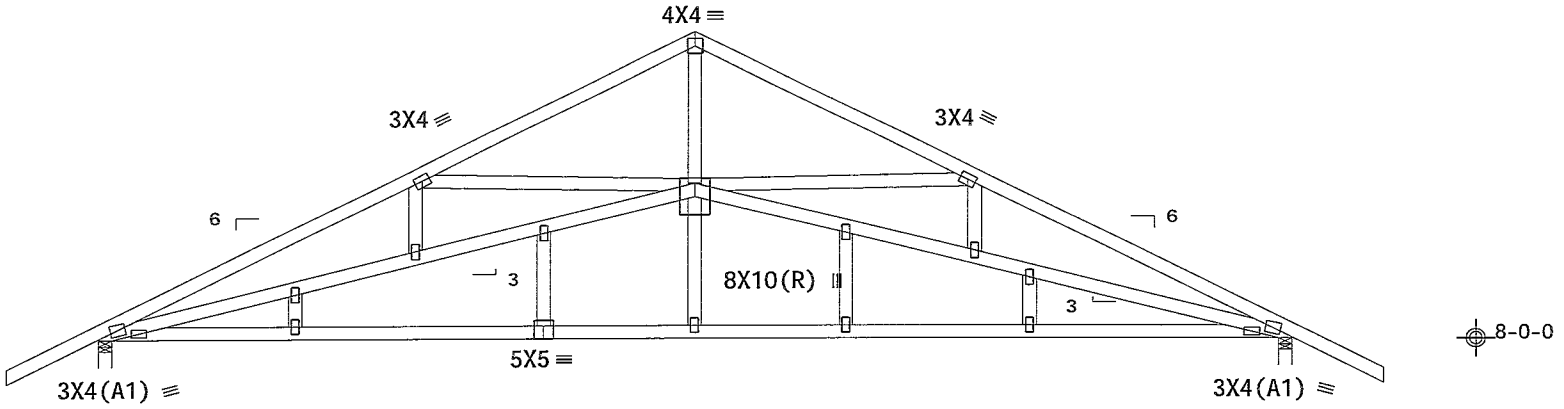
NOTE: LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 2'0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

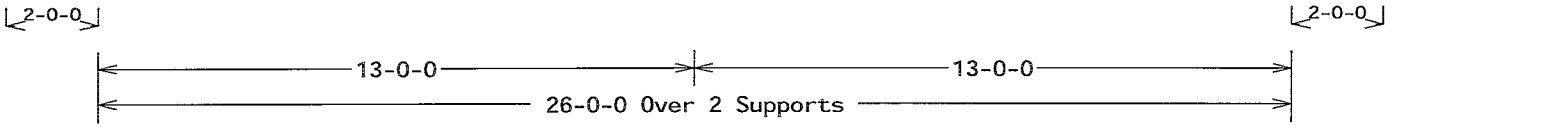
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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

The overall height of this truss excluding overhang is 6-10-3.





R=1212 U=31 W=3.5" (3 5" min.)
RL=216/-216

R=1212 U=31 W=3.5" (3.5" min.)

Note: All Plates Are 2X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

12.03.05.0416.16 ...01:2

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

Scale =.25"/Ft.

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Orlando FL, 32837
FL COA #0 278

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08/30/2013

TC LL	20.0 PSF	REF	R215-- 91801
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242007
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214915
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - A5)

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

Calculated horizontal deflection is 0.15" due to live load and 0.22" due to dead load.

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

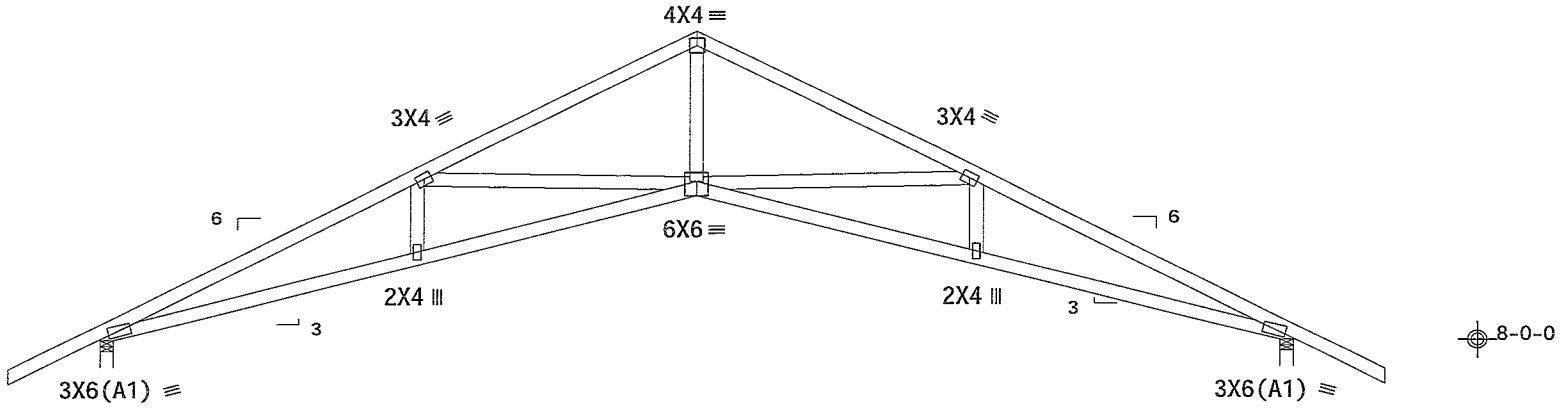
The overall height of this truss excluding overhang is 6-10-3.

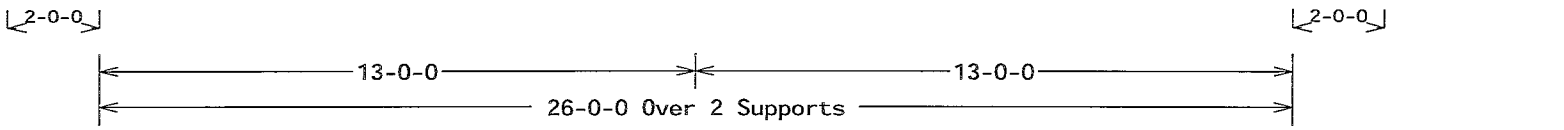
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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 15.00 ft. from roof edge.





R=1212 U=28 W=3 5" (3 5" min.)
RL=216/-216

R=1212 U=28 W=3.5" (3 5" min.)

Design Crit· FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

12.03.03.0416.14 QTY 1

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

Scale =.25"/Ft.

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FL COA #0 278

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08/30/2013

TC LL	20.0 PSF	REF	R215-- 91802
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242008
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214937
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

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

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - A6)

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

Calculated horizontal deflection is 0.14" due to live load and 0.23" due to dead load.

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

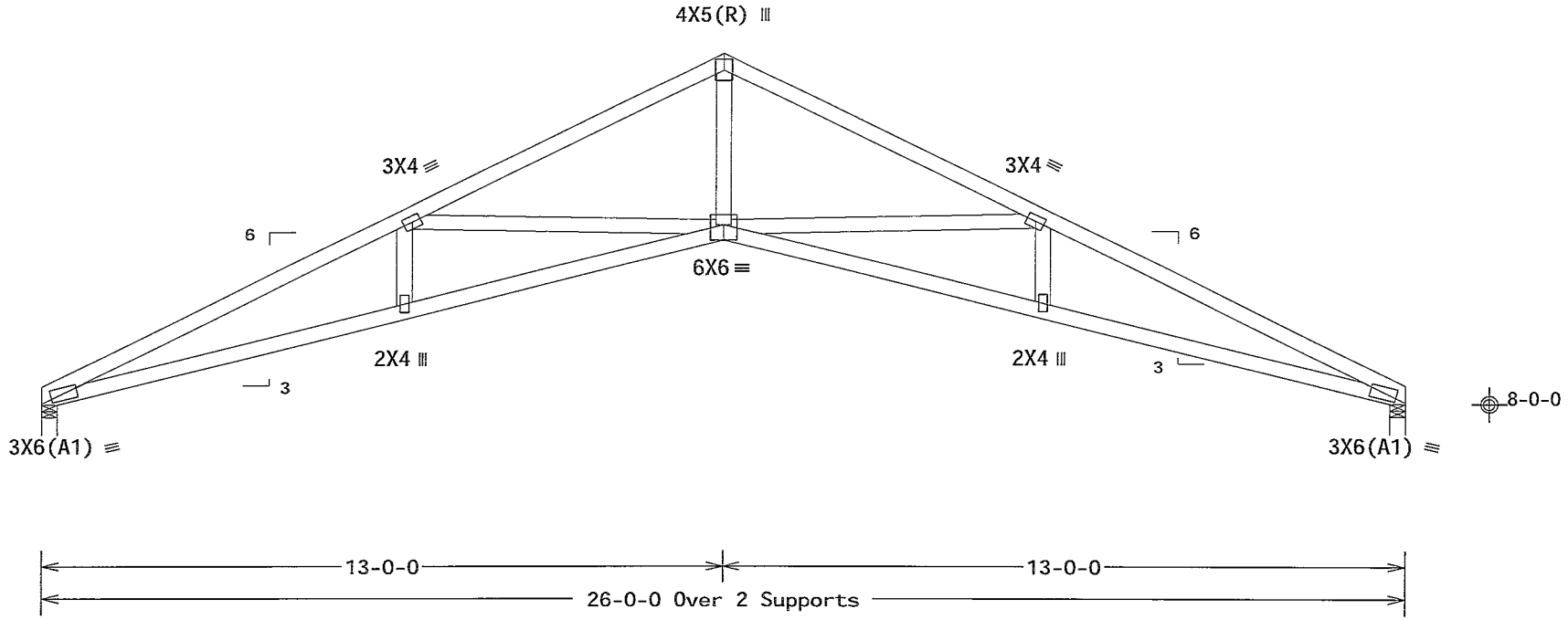
The overall height of this truss excluding overhang is 6-10-3

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 15.00 ft. from roof edge



R=1079 U=15 W=3.5" (3.5" min)
RL=165/-165

R=1079 U=15 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 12-03-06.0416.1 QTY 9 FL/-/1/-/-/R/- Scale =.3125"/Ft.

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

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

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER 08/30/2013

TC LL	20.0 PSF	REF	R215-- 91803
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242009
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214936
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

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

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - B)

Top chord 2x4 SP M-31 T2 2x6 SP 2400f-2.0E:
Bot chord 2x6 SP 2400f-2.0E
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.

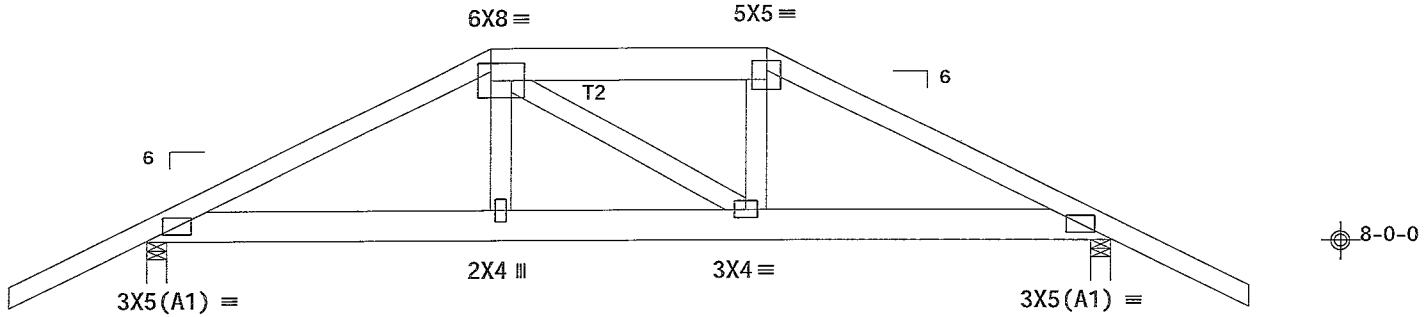
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

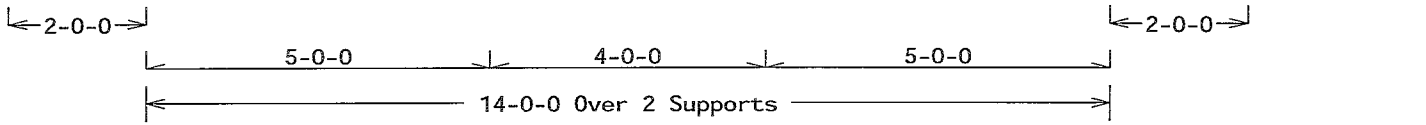
Bottom chord checked for 10.00 psf non-concurrent live load.

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 62 plf at -2.00 to 62 plf at 5.00
TC- From 31 plf at 5.00 to 31 plf at 9.00
TC- From 62 plf at 9.00 to 62 plf at 16.00
BC- From 4 plf at -2.00 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 5.03
BC- From 10 plf at 5.03 to 10 plf at 8.97
BC- From 20 plf at 8.97 to 20 plf at 14 00
BC- From 4 plf at 14.00 to 4 plf at 16.00
TC- 207.31 lb Conc. Load at 5.03, 8.97
TC- 120.21 lb Conc. Load at 7.00
BC- 209.70 lb Conc. Load at 5.03, 8.97
BC- 87.19 lb Conc. Load at 7.00

The overall height of this truss excluding overhang is 2-10-3.





R=1149 U=275 W=3 5" (3.5" min.)

R=1149 U=275 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

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

Scale =.375"/Ft.

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91804
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242010
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214942
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - B1)

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.

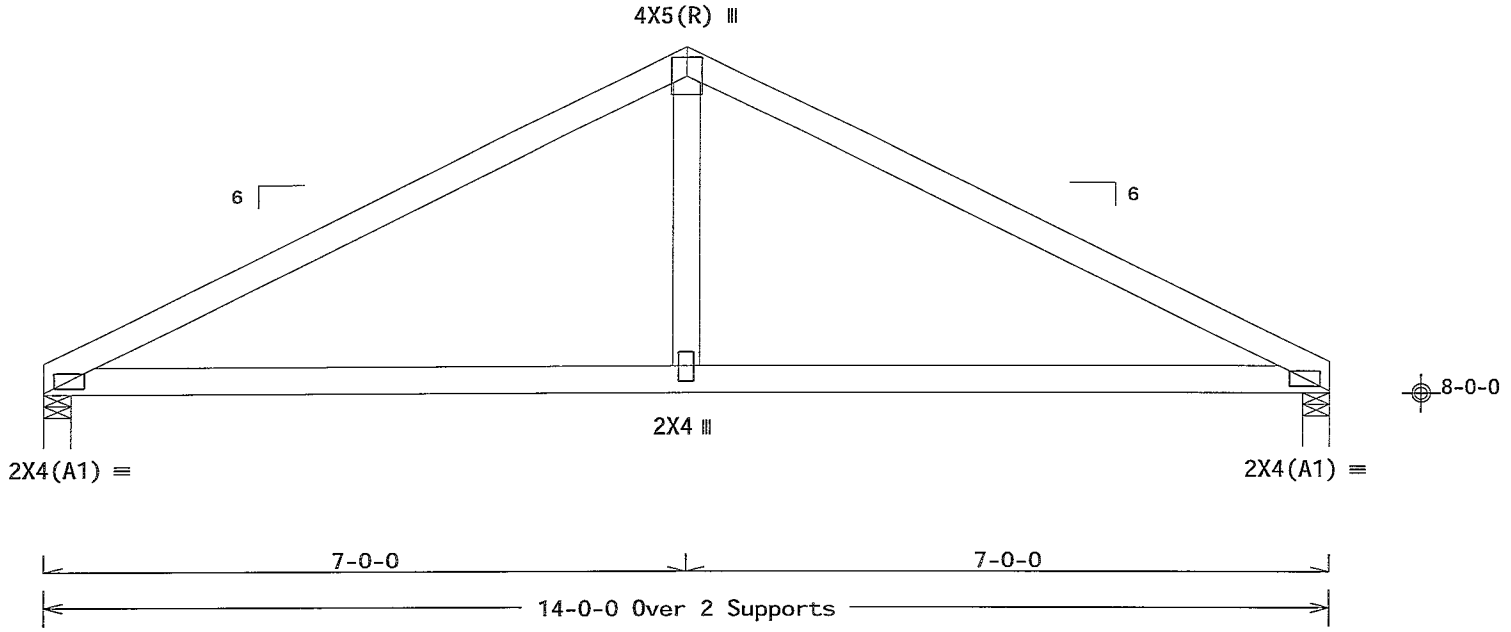
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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



R=577 U=97 W=3.5" (3.5" min.)
RL=88/-88

R=577 U=97 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 08:04:54 REV:2 FL/-/1/-/-/R/- Scale =.5"/Ft.

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

08/30/2013

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

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TC LL	20.0 PSF	REF	R215-- 91805
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242011
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214940
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

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

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - C)

Top chord 2x4 SP M-31 .T2 2x6 SP 2400f-2.0E.
Bot chord 2x6 SP 2400f-2.0E
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.

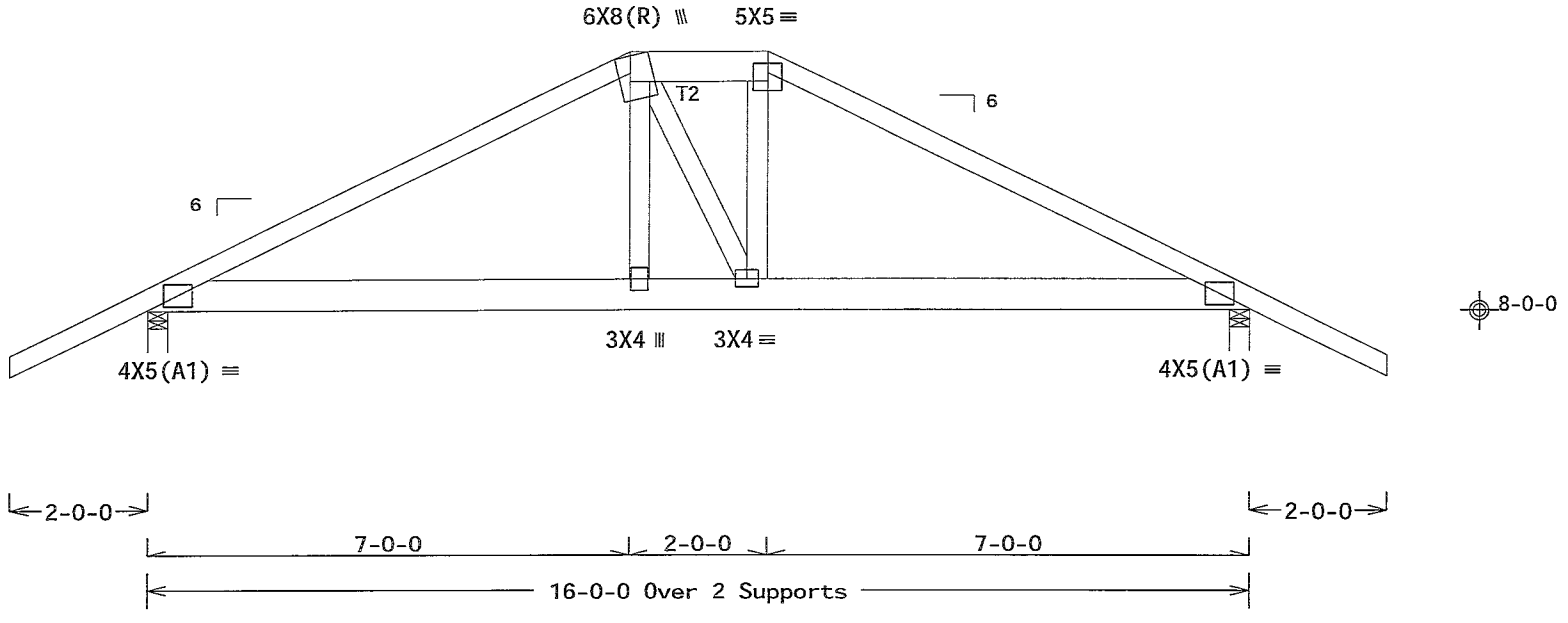
The overall height of this truss excluding overhang is 3-10-3.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC- From	62 plf at	-2.00 to	62 plf at	7.00
TC- From	62 plf at	7.00 to	62 plf at	9.00
TC- From	62 plf at	9.00 to	62 plf at	18.00
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	8.97
BC- From	20 plf at	8.97 to	20 plf at	16.00
BC- From	4 plf at	16.00 to	4 plf at	18.00

TC- 311.43 lb Conc. Load at 7.03, 8.97
BC- 491.55 lb Conc. Load at 7.03, 8.97

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) | 12.03.05.0416.1F | QTY:1 | FL/-/1/-/-/R/- | Scale =.375"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91806
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242019
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214943
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

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

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - C1)

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.

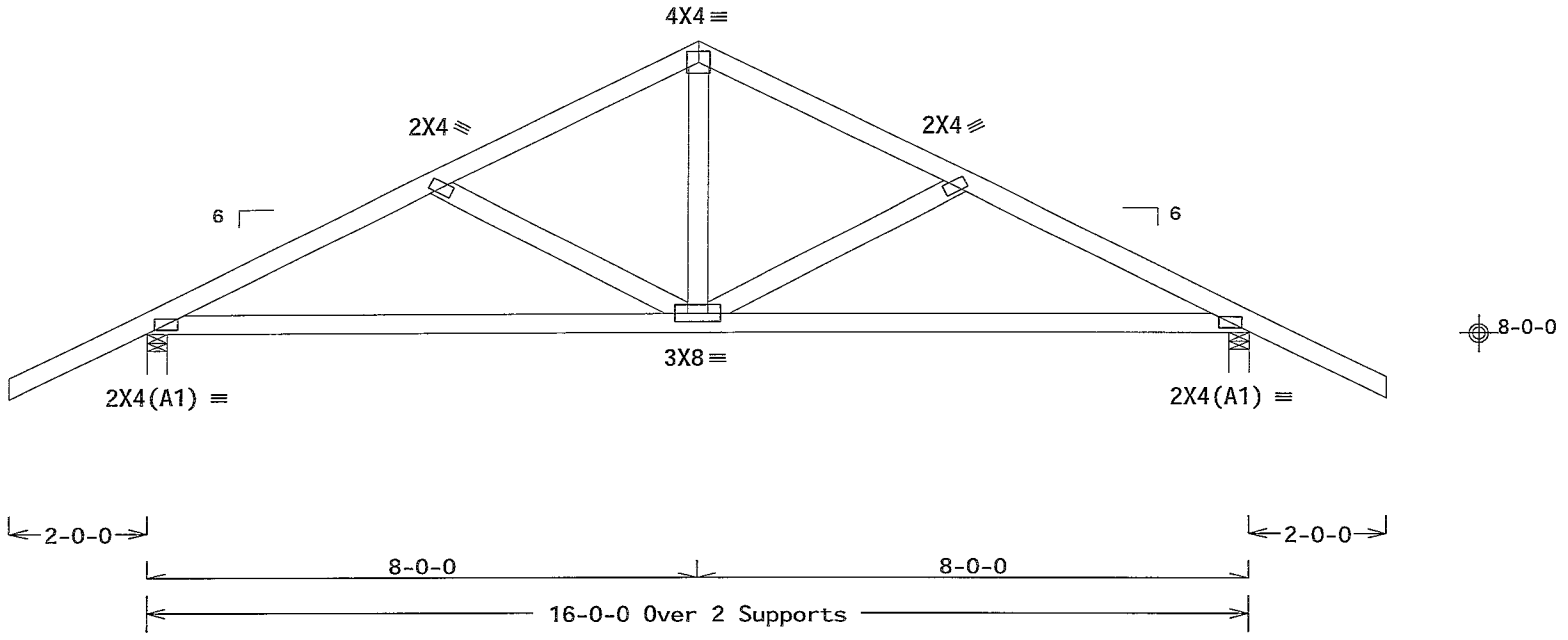
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

The overall height of this truss excluding overhang is 4-4-3.



R=793 U=146 W=3.5" (3.5" min.)
RL=152/-152

R=793 U=146 W=3.5" (3.5" min.)

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

12.03.05.0416.1X

QTY:1

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

Scale =.375"/Ft.

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF R215-- 91807
TC DL	10.0 PSF	DATE 08/30/13
BC DL	10.0 PSF	DRW HCUSR215 13242016
BC LL	0.0 PSF	HC-ENG KD/AP
TOT.LD.	40.0 PSF	SEQN- 214944
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1UZ8215_Z01

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

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - C2)

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.

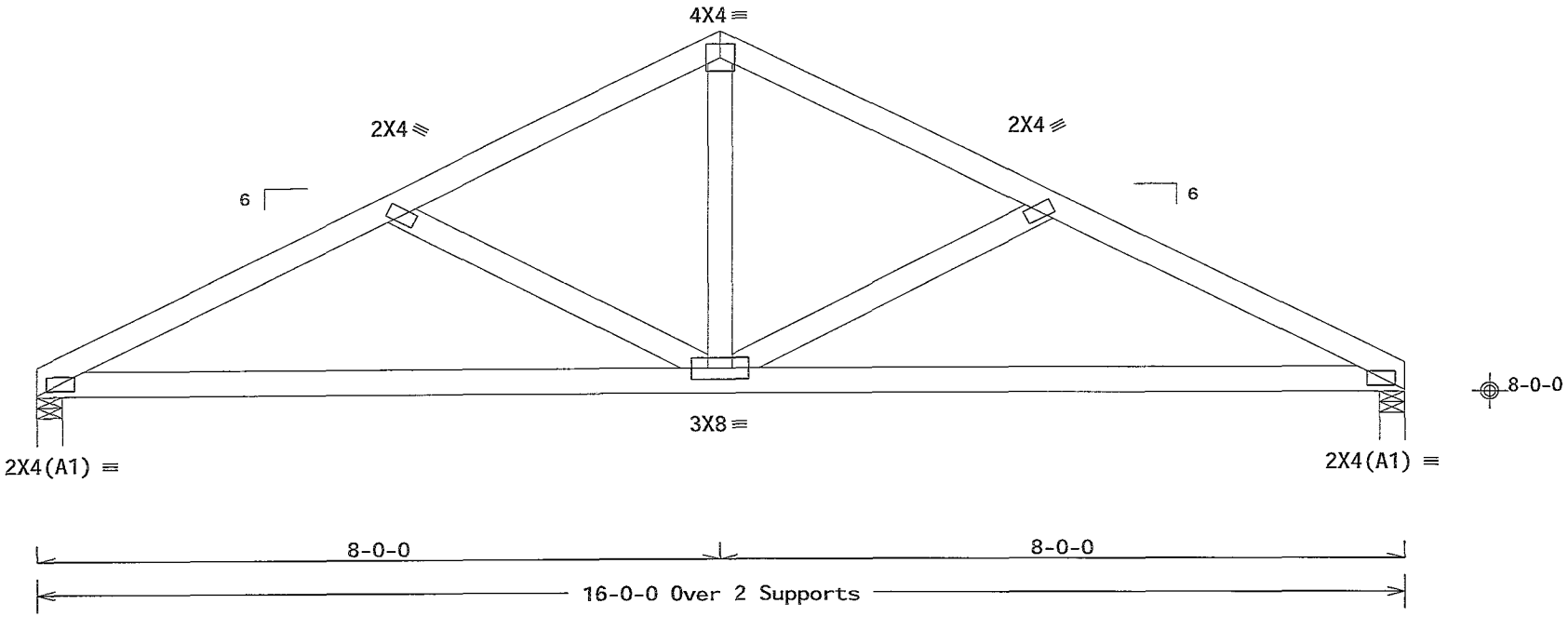
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

The overall height of this truss excluding overhang is 4-4-3.



R=659 U=111 W=3.5" (3.5" min.)
RL=101/-101

R=659 U=111 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 2 FL/-/1/-/-/R/- Scale =.5"/Ft.

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91808
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242017
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214945
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /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

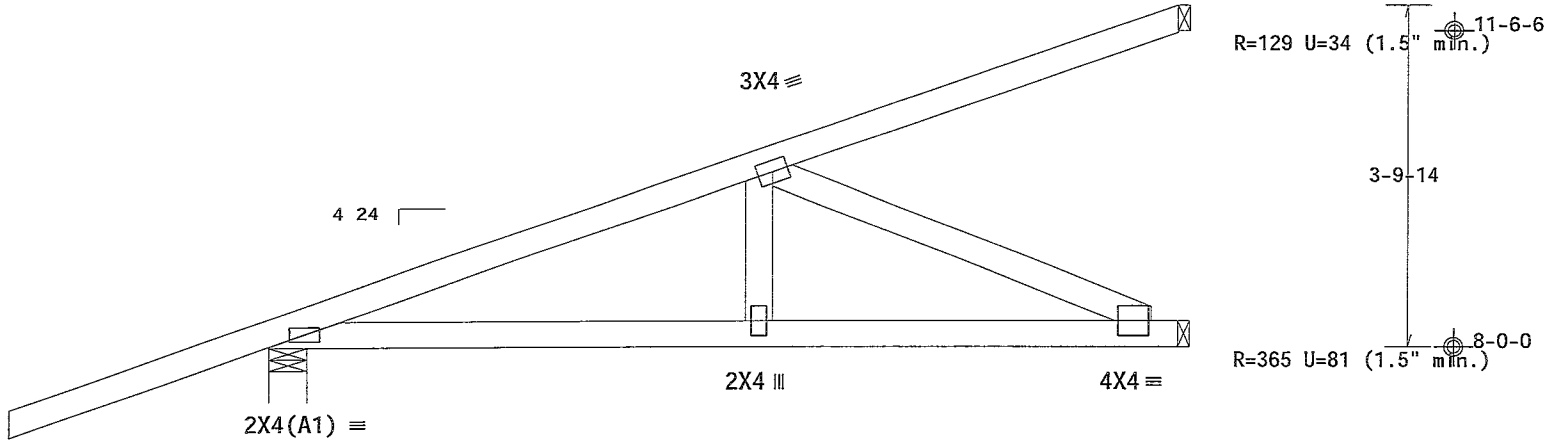
Wind loads and reactions based on MWFRS.

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 61 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- -32.02 lb Conc. Load at 2.15
TC- 134.84 lb Conc. Load at 4.98
TC- 270.78 lb Conc. Load at 7.80
BC- 21.26 lb Conc. Load at 2 15
BC- 111.74 lb Conc. Load at 4.98
BC- 193.42 lb Conc. Load at 7.80

The overall height of this truss excluding overhang is 3-9-14



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=20%(0%)/10(0) | 12.03.00.0416.14 | QTY 6 | FL/-/1/-/-/R/- | Scale =.5"/Ft.

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91809
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242012
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214872
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - J1)

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

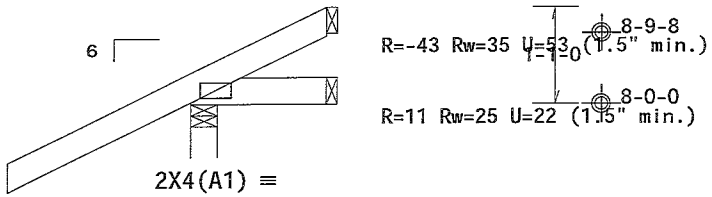
Bottom chord checked for 10.00 psf non-concurrent live load.

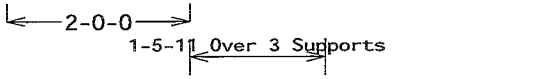
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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 1-1-0.





R=316 U=87 W=3.5" (3.5" min.)
RL=49/-37

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 12.03.06.0416.14 QTY 16 FL/-/1/-/-/R/- Scale =.5"/Ft.

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

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

08/30/2013

TC LL	20.0 PSF	REF	R215-- 91810
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242013
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214860
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - J2)

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

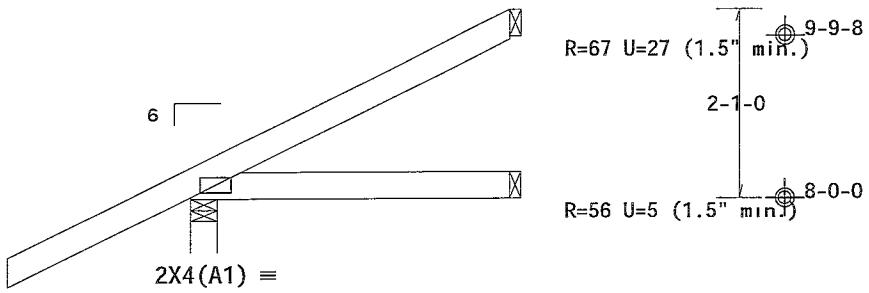
Bottom chord checked for 10.00 psf non-concurrent live load.

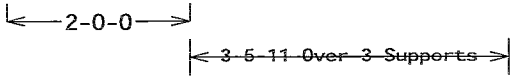
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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 2-1-0.





R=329 U=61 W=3.5" (3.5" min.)
RL=78/-43

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 12.03.05.0416.E ...01:16 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!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing ...fer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) ... safety practices prior to perform ng these functions Installers shall provide temporary bracing ... BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bott... chord shall have a properly attached rigid ceiling Locations shown for permanent lateral restrai... 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 fro... this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping ins...lation & 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 sea... 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 struct... the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see this ... general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINA LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF R215-- 91811
TC DL	10.0 PSF	DATE 08/30/13
BC DL	10.0 PSF	DRW HCUSR215 13242014
BC LL	0.0 PSF	HC-ENG KD/AP
TOT.LD.	40.0 PSF	SEQN- 214855
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1UZ8215_Z01

(8327-/KOHN RESIDENCE /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.

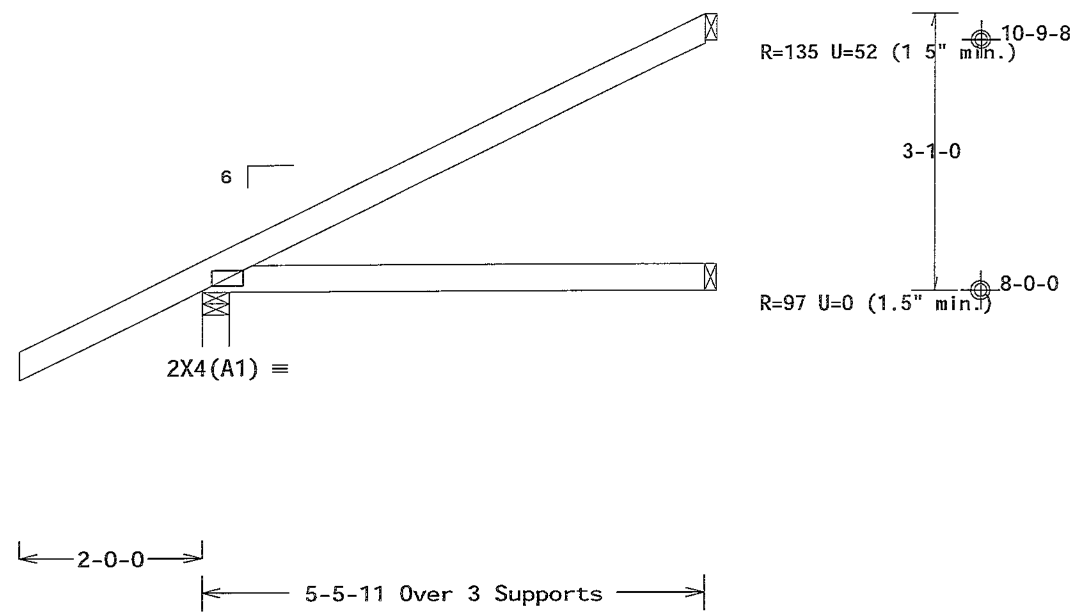
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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 3-1-0.



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 12.03.05.0416.[illegible] ...:12 FL/-/1/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

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

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

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

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see This J... 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
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91812
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242015
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214863
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

(8327-/KOHN RESIDENCE /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.

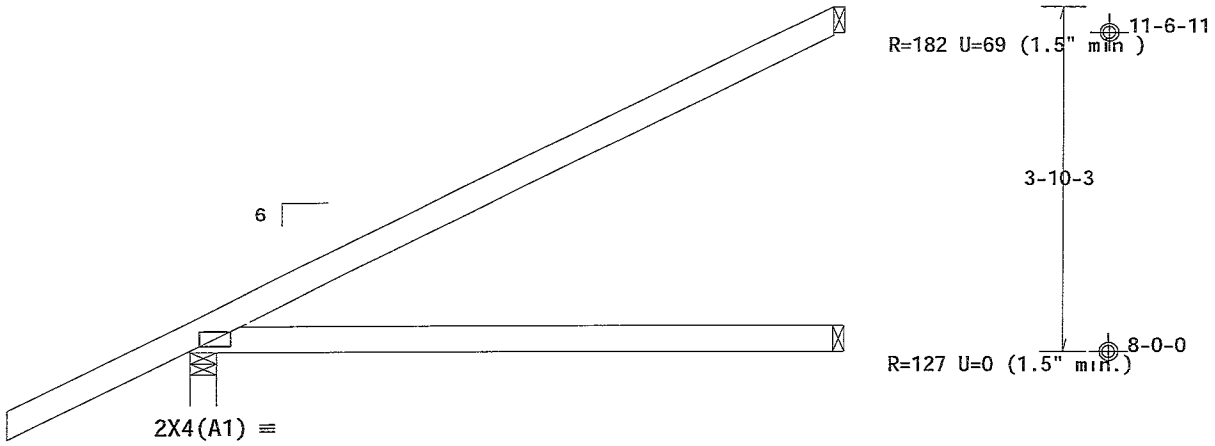
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

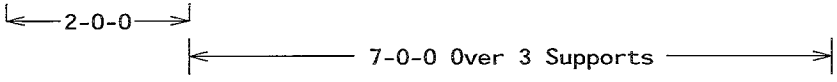
MWFRS loads based on trusses located at least 7 50 ft. from roof edge.

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 3-10-3.





R=450 U=65 W=3 5" (3 5" min)
RL=128/-54

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) [illegible] :16 FL/-/1/-/-/R/- Scale =.5"/Ft.

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91813
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242001
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214859
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

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

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - J5)

Top chord 2x4 SP M-31
Bot chord 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 C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

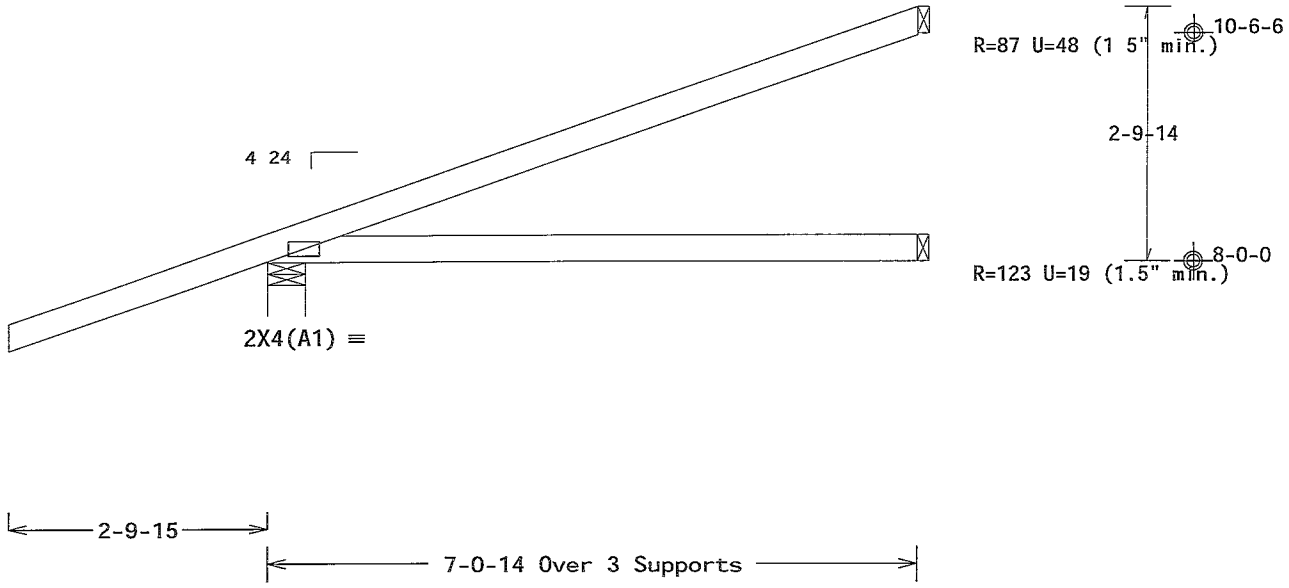
Wind loads and reactions based on MWFRS.

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 61 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 7.07
BC- From 0 plf at -2.83 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 7.07
TC- -32.02 lb Conc. Load at 2.15
TC- 134.84 lb Conc. Load at 4.98
BC- 21.26 lb Conc Load at 2.15
BC- 111.74 lb Conc. Load at 4.98

The overall height of this truss excluding overhang is 2-9-14.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=20%(0%)/10(0) | [illegible] | [illegible]:2 | FL/-/1/-/-/R/- | Scale =.5"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91814
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242002
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214939
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01

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

(8327-/KOHN RESIDENCE /Plumb Level Construction -- , FL - J6)

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

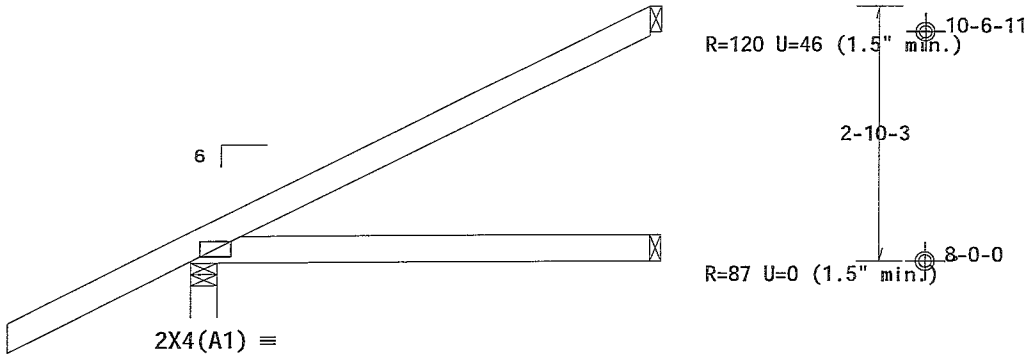
Bottom chord checked for 10.00 psf non-concurrent live load.

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, 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 2-10-3.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=20%(0%)/10(0) | 12.03.05.0416.14 | QTY 3 | FL/-/1/-/-/R/- | Scale =.5"/Ft.

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

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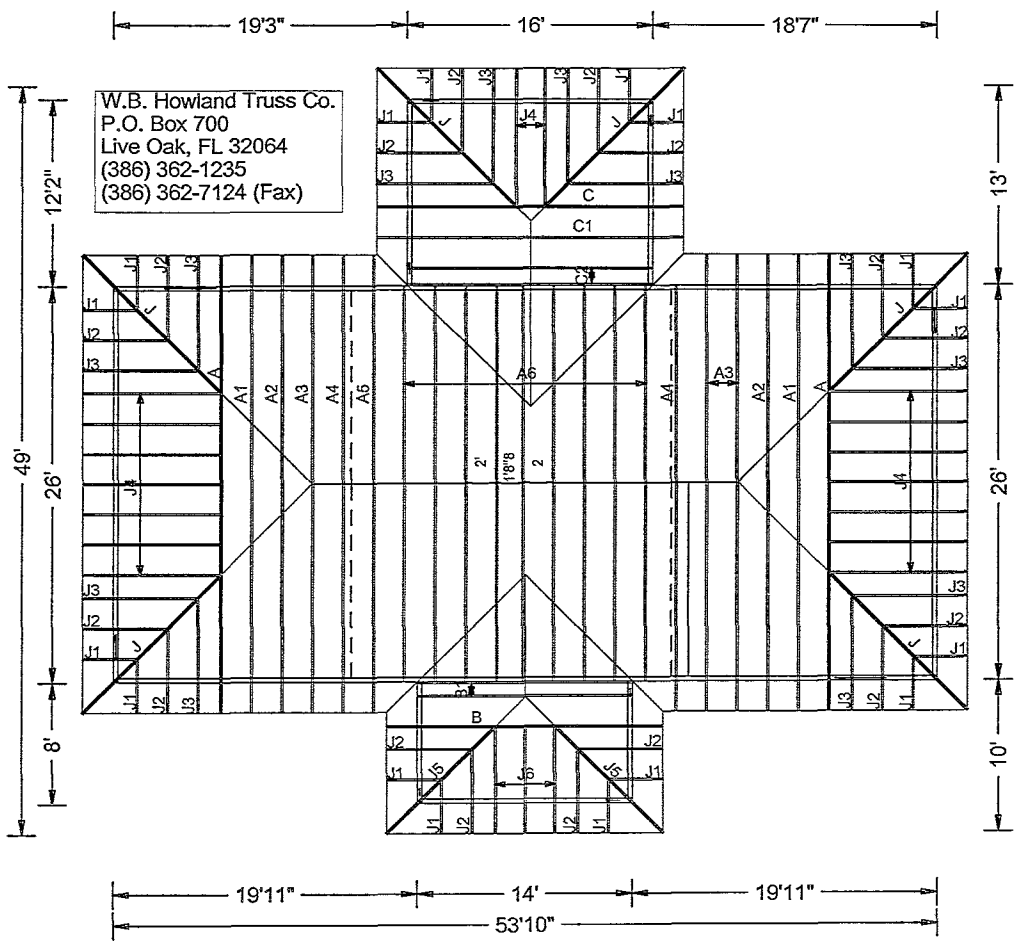
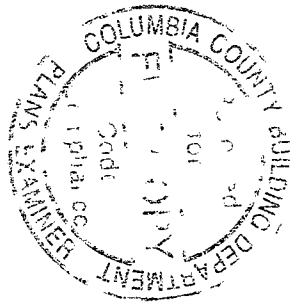
WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/30/2013

TC LL	20.0 PSF	REF	R215-- 91815
TC DL	10.0 PSF	DATE	08/30/13
BC DL	10.0 PSF	DRW	HCUSR215 13242003
BC LL	0.0 PSF	HC-ENG	KD/AP
TOT.LD.	40.0 PSF	SEQN-	214938
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1UZ8215_Z01





VALLEYS NOT BUILT IN--
NOTIFY PRE-FAB IF BUILT
IN VALLEYS, OR VALLEY SET
PREFERRED

ROOF PITCH: 6/12
CLG PITCH: FLAT
OVERHANG 2'
LOADING: 40
WIND LOAD: 130
EXPOSURE C
EXT WALLS 2X4

DATE: 8/29/2013

Roof Plane Sheathing Area = 2432 sq. ft
Gable Sheathing Area = 0 sq. ft
Total Sheathing Area = 2432 sq ft
Fascia Material = 222 linear ft
Valley Flashing Material = 57 linear ft
Ridge Cap Material = 51 linear ft
Hip Ridge Material = 147 linear ft

JOB #. 8327

Job Name KOHN RESIDENCE
Customer Plumb Level Construction
Designer Cynthia Gude-Newsome
ADDRESS
SALESMAN HOUSE
· <Not Found>

JOB NO.
8327

PAGE NO
1 OF 1