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 1UYZ487-Z0321135551

08/21/2013

Truss Fabricator	Anderson Truss Company
Job Identification	13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, STATE 32024
Truss Count	29
Model Code	Florida Building Code 2010
Truss Criteria	FBC2010Com/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 - 37.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 120 MPH ASCE 7-10 -Closed

Notes

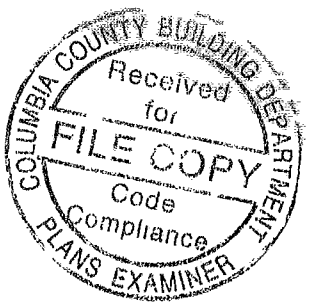
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

William H Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-CNNAILSP-12015EC1-GBLLETIN-GABRST10-

#	Ref	Description	Drawing#	Date
1	03990	A 26'4" Common	13233050	08/21/13
2	03991	A1 26'4" Common	13233051	08/21/13
3	03992	A2 25'4" Common	13233052	08/21/13
4	03993	A3 25'4" Common	13233053	08/21/13
5	03994	A4 25'4" Common	13233054	08/21/13
6	03995	A5 25'4" Common	13233055	08/21/13
7	03996	A6 21' Common	13233056	08/21/13
8	03997	A7 21' Common	13233057	08/21/13
9	03998	A8 21' Common	13233058	08/21/13
10	03999	A9 21' Common	13233059	08/21/13
11	04000	A10 21' Common	13233060	08/21/13
12	04001	B 21' Common	13233061	08/21/13
13	04002	B1 21' Common Gi	13233062	08/21/13
14	04003	BGE 10'8" Gable	13233063	08/21/13
15	04004	BGE1 21' Common	13233064	08/21/13
16	04005	CJ1 1' Jack	13233065	08/21/13
17	04006	CJ3 3' Jack	13233066	08/21/13
18	04007	CJ5 5' Jack	13233067	08/21/13
19	04008	EJ3 2'10"8 End J	13233068	08/21/13
20	04009	EJ7 7' End Jack	13233069	08/21/13
21	04010	H11 26'4" Stepdo	13233070	08/21/13
22	04011	H13 26'4" Stepdo	13233071	08/21/13
23	04012	H7 26'4" Stepdow	13233072	08/21/13
24	04013	H7A 21' Stepdown	13233073	08/21/13
25	04014	H9 26'4" Stepdow	13233074	08/21/13
26	04015	H9A 21' Stepdown	13233075	08/21/13
27	04016	HJ3 4'0"13 Hip J	13233076	08/21/13
28	04017	HJ7 9'10"13 Hip	13233077	08/21/13
29	04018	MH3 18'3"8 Speci	13233078	08/21/13



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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A 26'4 Common)

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

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

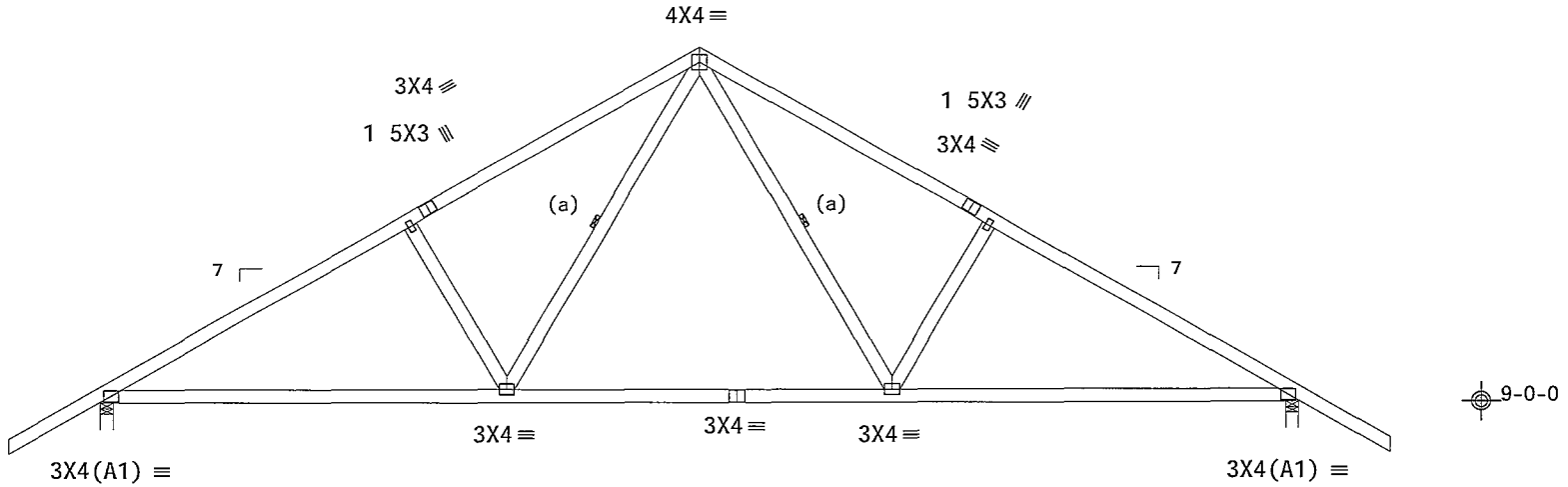
(a) Continuous lateral bracing equally spaced on member

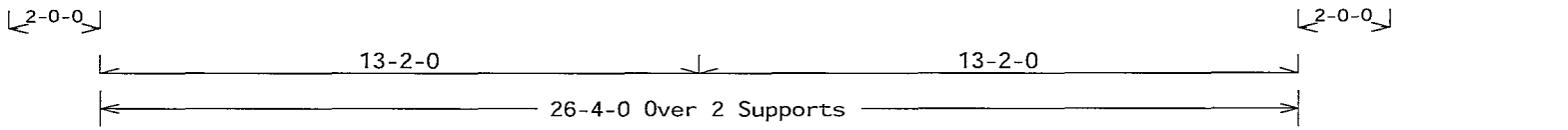
MWFRS loads based on trusses located at least 15 00 ft from roof edge

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

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

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





R=1125 U=25 W=3 5 (3 5 min)
RL=218/-218

R=1125 U=25 W=3 5" (3 5' min)

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

CTY·11 FL/-/4/-/-/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 requ re extreme care in fabr cat ng handl ng shipping nstalling and brac ng Refer to and follow the latest edition of BCSI (Build ng Component Safety Informat on by TPI and WTCA) for safety pract ces prior to performing these funct ons Installers shall prov de temporary brac ng per BCSI Unless noted otherw se 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 nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from th s design any failure to bu ld the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping nstallat on & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the joints Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos t ons A seal on th s draw ng or cover page l st ng th s draw ng nd cates acceptance of professional engineering responsibility solely for the des gn shown The su tab l ity and use of this design for any struct on is the responsibility of the Bu lding Designer per ANSI/TPI 1 Sec 2 For more informat on see Th s general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20 0 PSF	REF R487-- 3990
TC DL	7 0 PSF	DATE 08/21/13
BC DL	10 0 PSF	DRW HCUSR487 13233050
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD	37.0 PSF	SEQN- 316725
DUR.FAC	1.25	FROM JMW
SPACING	24 0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A1 26'4" Common)

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

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

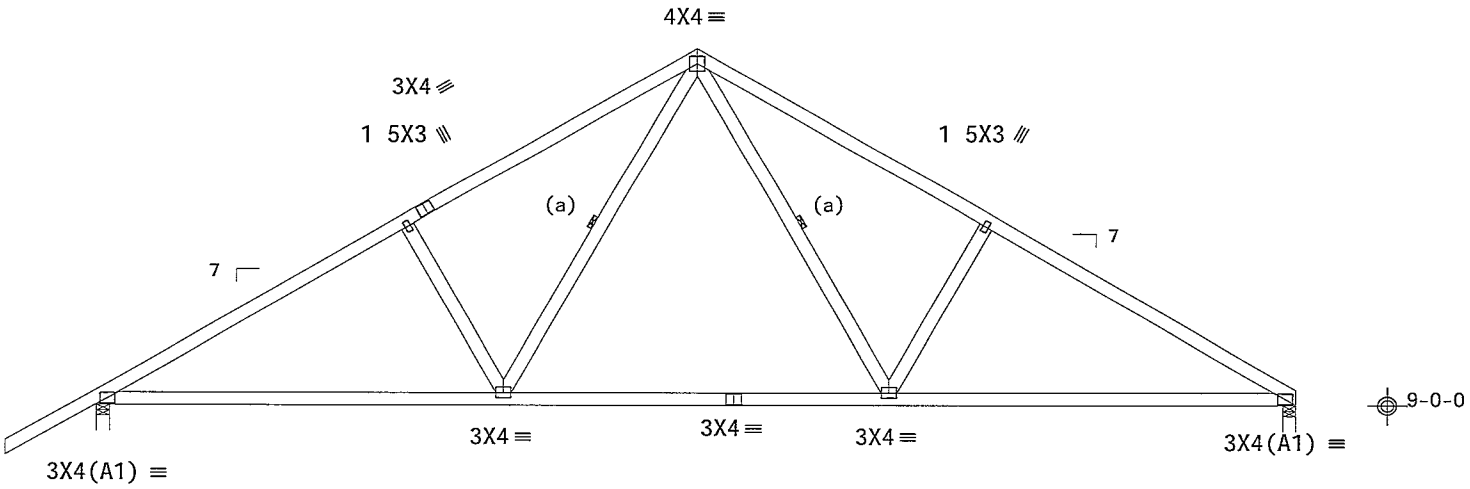
(a) Continuous lateral bracing equally spaced on member

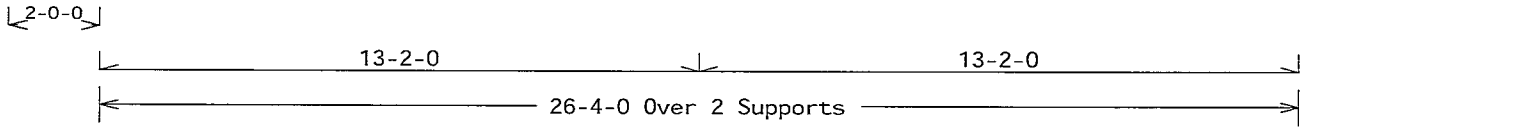
MWFRS loads based on trusses located at least 30 00 ft from roof edge

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

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

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





R=1130 U=20 W=3 5" (3 5' min)
RL=186/-199

R=998 U=0 W=3 5" (3 5' min)

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY:5 FL/-/4/-/-/R/- Scale =.25"/Ft.

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Orlando FL, 32837
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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 3991
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233051
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37 0 PSF	SEQN-	316726
DUR.FAC.	1 25	FROM	JMW
SPACING	24 0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A2 25'4" Common)

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

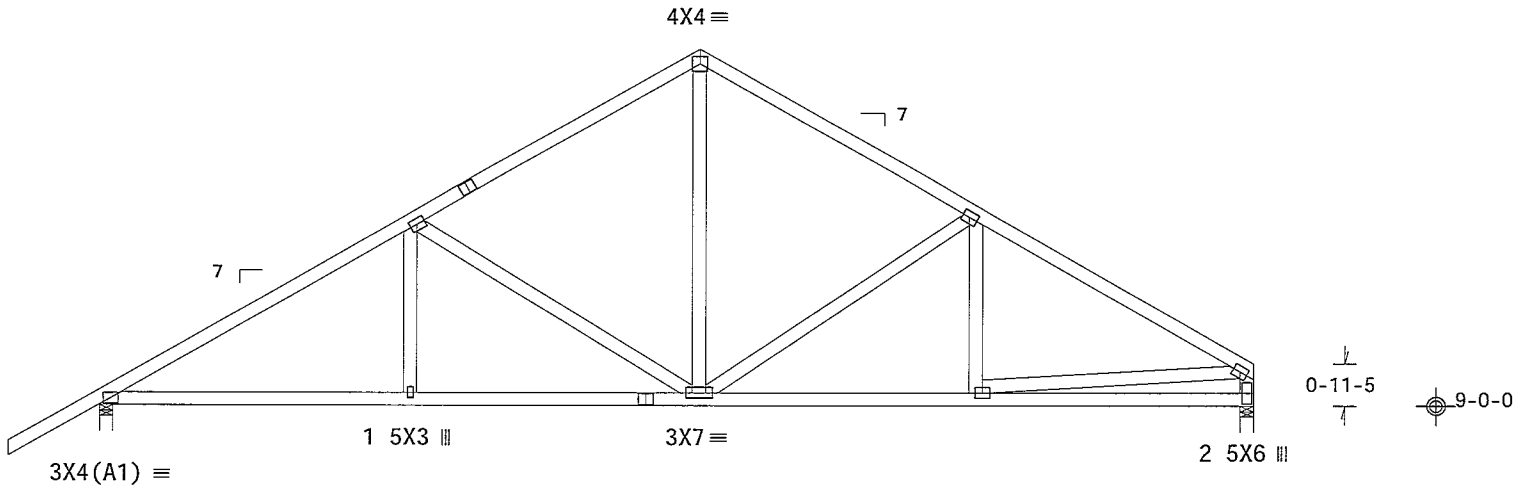
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

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



Note All Plates Are 3X4 Except As Shown

Design Crit· FBC2010Com/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) LOC. QTY.1 FL/-/4/-/-/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!
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Trusses require extreme care n fabricating handling sh pp ng nstall ng and brac ng Refer to and follow the latest ed t on of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety practices prior to perform ng these functions Installers shall prov de temporary bracing per BCSI Unless noted otherw se top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r g d ce l ng Locat ons shown for permanent lateral restra nt of webs shall have brac ng installed per BCSI sect ons B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng installation & bracing of trusses Apply plates to each face of truss and posit on as shown above and on this drawing Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page list ng this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitabil ty and use of th s design for any structure is the responsibility of the Build ng Designer per ANSI/TPI 1 Sec 2 For more information see This job general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 3992
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233052
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	316727
DUR.FAC.	1 25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A3 25 4" Common)

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

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

(a) Continuous lateral bracing equally spaced on member

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

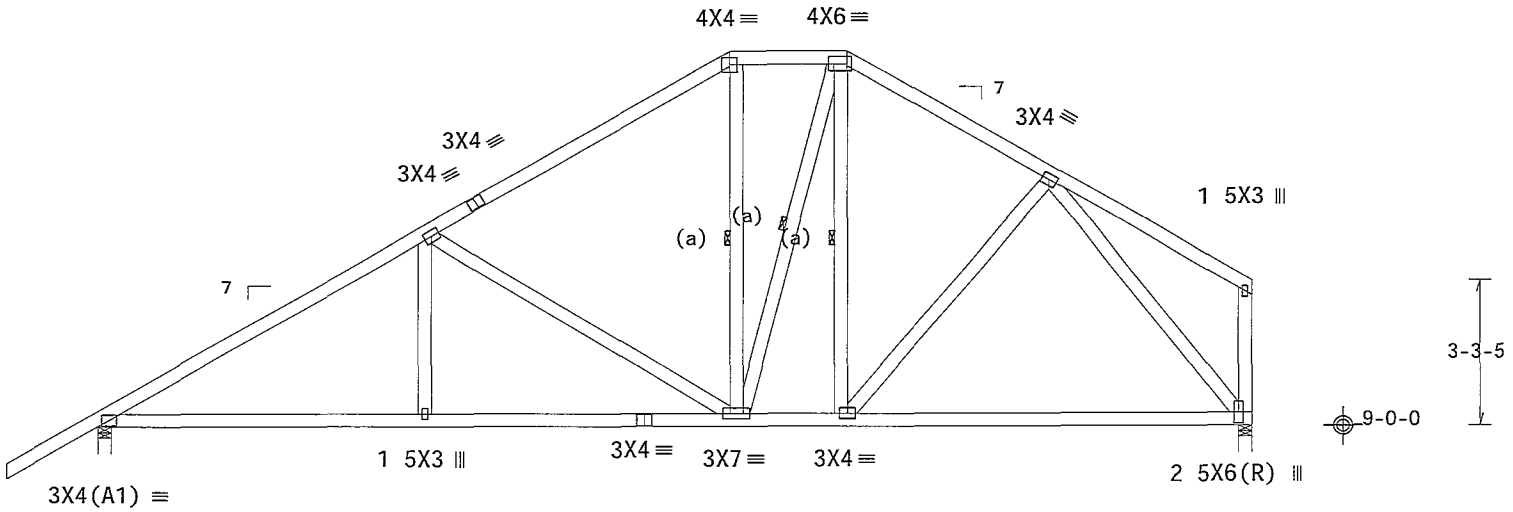
MWFRS loads based on trusses located at least 30 00 ft from roof edge

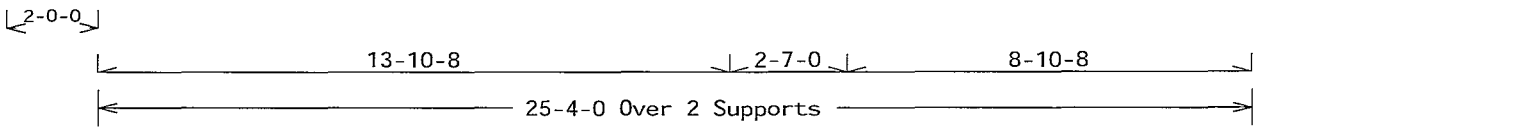
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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





R=1098 U=43 W=3 5 (3 5 min)
RL=179/-161

R=954 U=8 W=3 5' (3 5" min)

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

L&S: U6326.14

QTY:1

FL/-/4/-/-/R/-

Scale =.25"/Ft.

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

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Trusses require extreme care in fabr cat ng handl ng shipping nstalling and bracing 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 funct ons 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 rigid ceil ng Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Bu lding Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping nstallation & bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Joint Details unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A seal on this drawing or cover page listing th s drawing ndicates acceptance of profess onal engineer ng responsib l ty solely for the des gn shown The su tabil ty and use of th s des gn for any structure is the respons bil ty 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

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER

08/21/2013

TC LL	20.0 PSF	REF	R487-- 3993
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233053
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	316728
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A4 25 4" Common)

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

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

(a) Continuous lateral bracing equally spaced on member

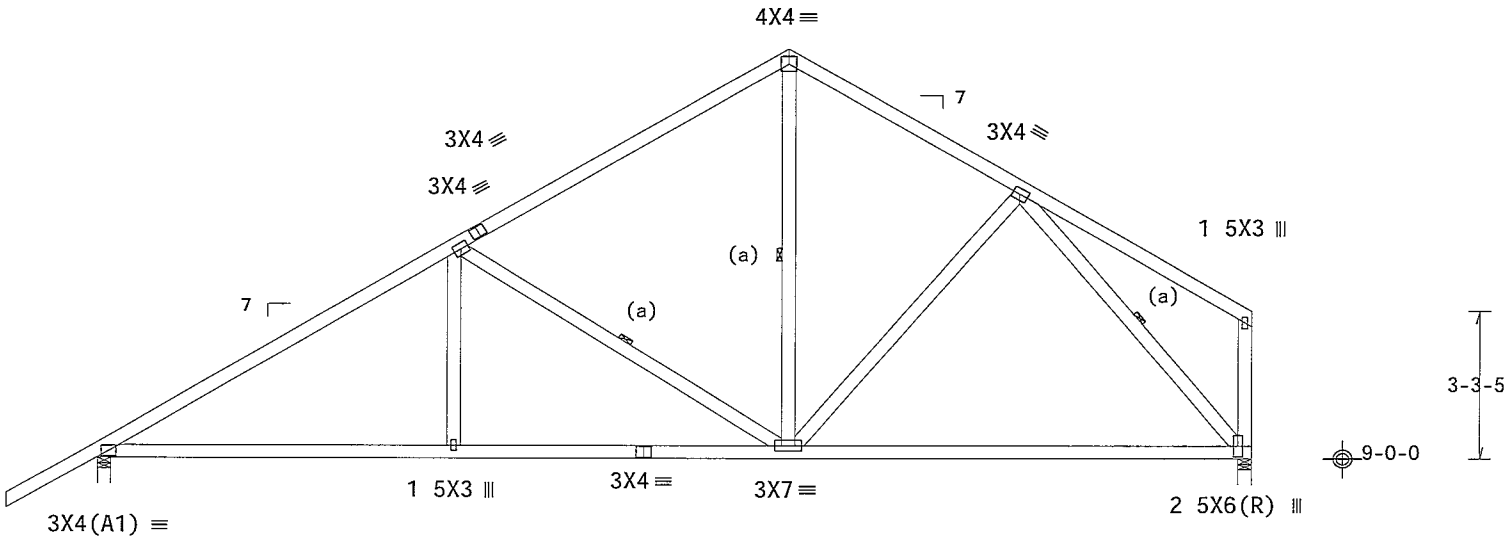
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

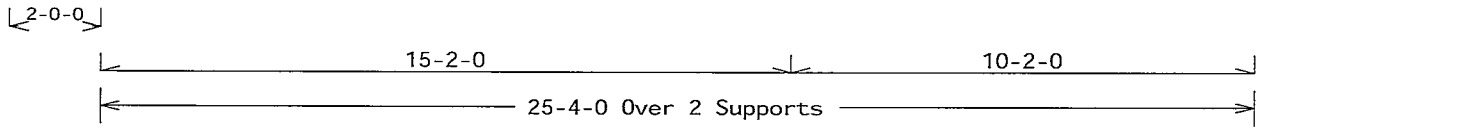
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Right end vertical not exposed to wind pressure

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





R=1098 U=26 W=3 5" (3 5 min)
RL=195/-177

R=954 U=0 W=3 5" (3 5' min)

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

JOB NO. 13236-14

QTY·1

FL/-/4/-/-/R/-

Scale =.25"/Ft.

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

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WILLIAM H. KRICK
LICENSED
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 3994
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233054
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	316729
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A5 25'4" Common Girder)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B B2 2x4 SP 2850f-2 3E
Webs 2x4 SP #3-13B W6, W8 2x4 SP #2-13B

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

Brg blocks 0 131"x3", min nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
2	25 042'	1	18"	12	Rigid Surface

Brg block to be same size and species as chord
Refer to drawing CNNAILSP0109 for more information

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

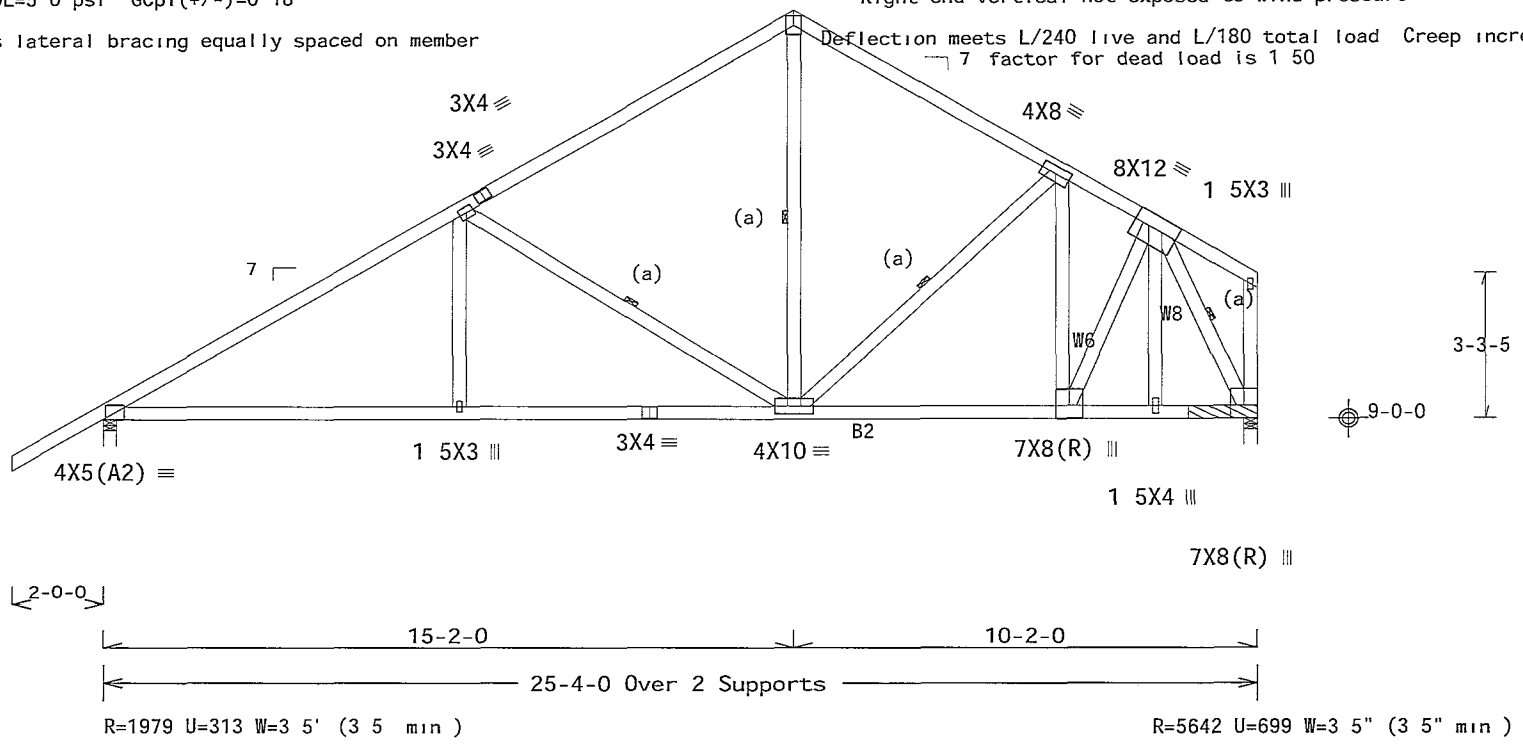
(a) Continuous lateral bracing equally spaced on member

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -2 00 to 56 plf at 8 26
TC- From 56 plf at 8 26 to 56 plf at 15 17
TC- From 56 plf at 15 17 to 56 plf at 25 33
BC- From 5 plf at -2 00 to 5 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 12 00
BC- From 20 plf at 12 00 to 20 plf at 21 06
BC- From 10 plf at 21 06 to 10 plf at 23 10
BC- From 20 plf at 23 10 to 20 plf at 25 33
BC- 4796 23 lb Conc Load at 21 06
BC- 792 65 lb Conc Load at 23 10

Wind loads and reactions based on MWFRS

Right end vertical not exposed to wind pressure

Deflection meets L/240 live and L/180 total load Creep increase 7 factor for dead load is 1 50



Design Crit. FBC2010Com/TPI-2007(STD)
PLT TYP. Wave FT/RT=10%(0%)/0(0) 210 mph (3 sec gust) QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF R487-- 3995
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 13233055
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 316750
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A6 21' Common)

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

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

(H1) = (J) Hanger not calculated (1)2x6 SP M-26 supporting member

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

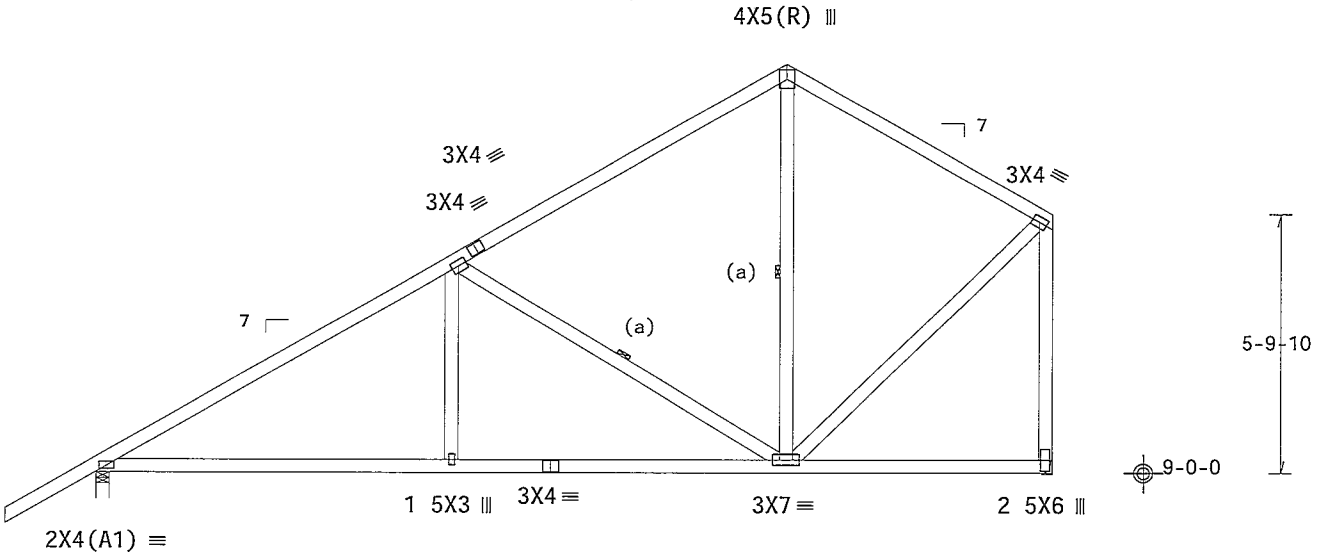
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

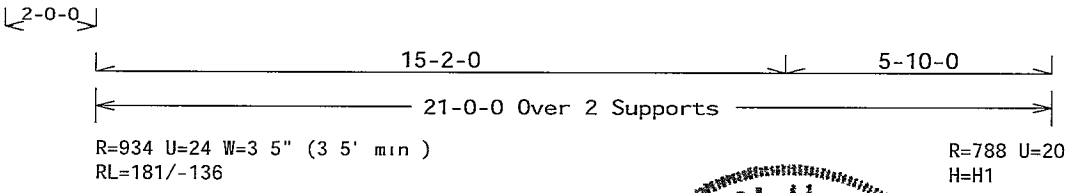
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

(a) Continuous lateral bracing equally spaced on member

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





R=934 U=24 W=3 5" (3 5' min)
RL=181/-136

R=788 U=20
H=H1

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

103-04-0226-24 QTY:3 FL/-/4/-/-/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!
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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 08/21/2013

TC LL	20.0 PSF	REF	R487-- 3996
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233056
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	316730
DUR.FAC	1 25	FROM	JMW
SPACING	24 0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A7 21' Common)

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

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

(H1) = (J) Hanger not calculated (1)2x6 SP M-26 supporting member

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

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

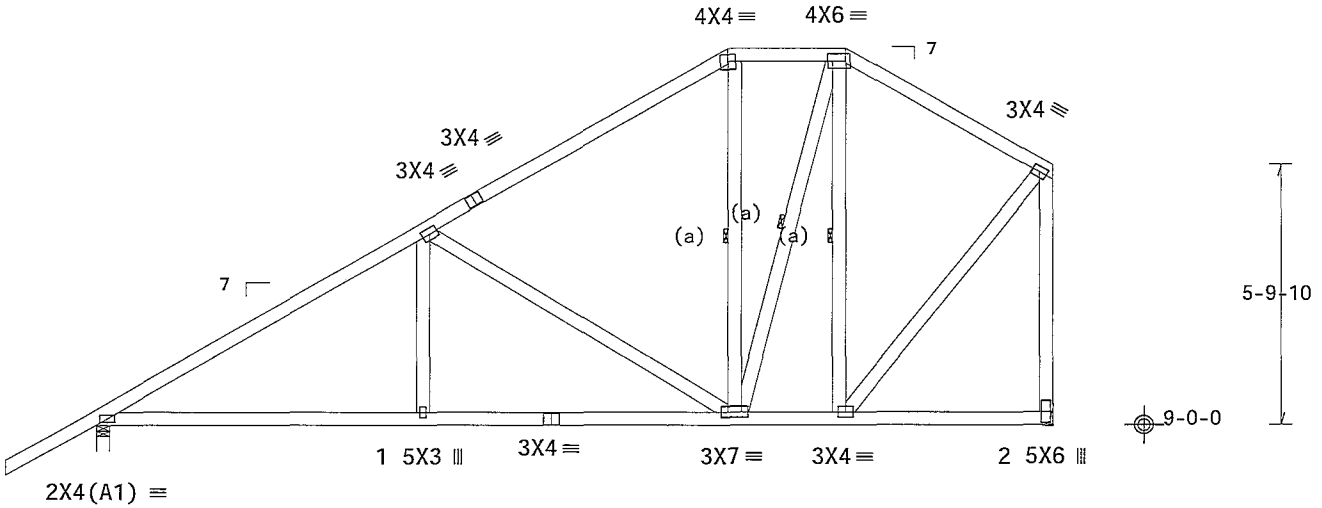
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

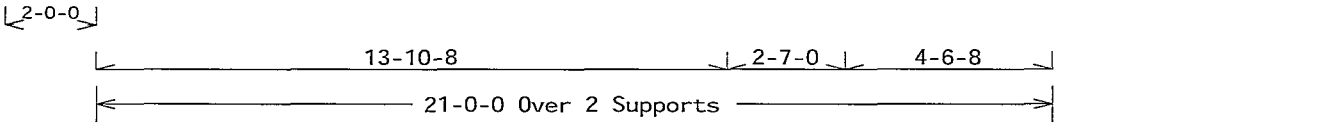
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

(a) Continuous lateral bracing equally spaced on member

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





R=934 U=38 W=3 5" (3 5" min)
RL=165/-119

R=788 U=34
H=H1

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

1.03 0.0626 1.1 0 Y:1

FL/-/4/-/-/R/-

Scale =.25"/Ft.

PLT TYP. Wave

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF R487-- 3997
TC DL	7 0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 13233057
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD	37 0 PSF	SEQN- 316731
DUR.FAC	1.25	FROM JMW
SPACING	24 0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A8 21' Common)

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

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

(H1) = (J) Hanger not calculated (1)2x6 SP M-26 supporting member

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

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

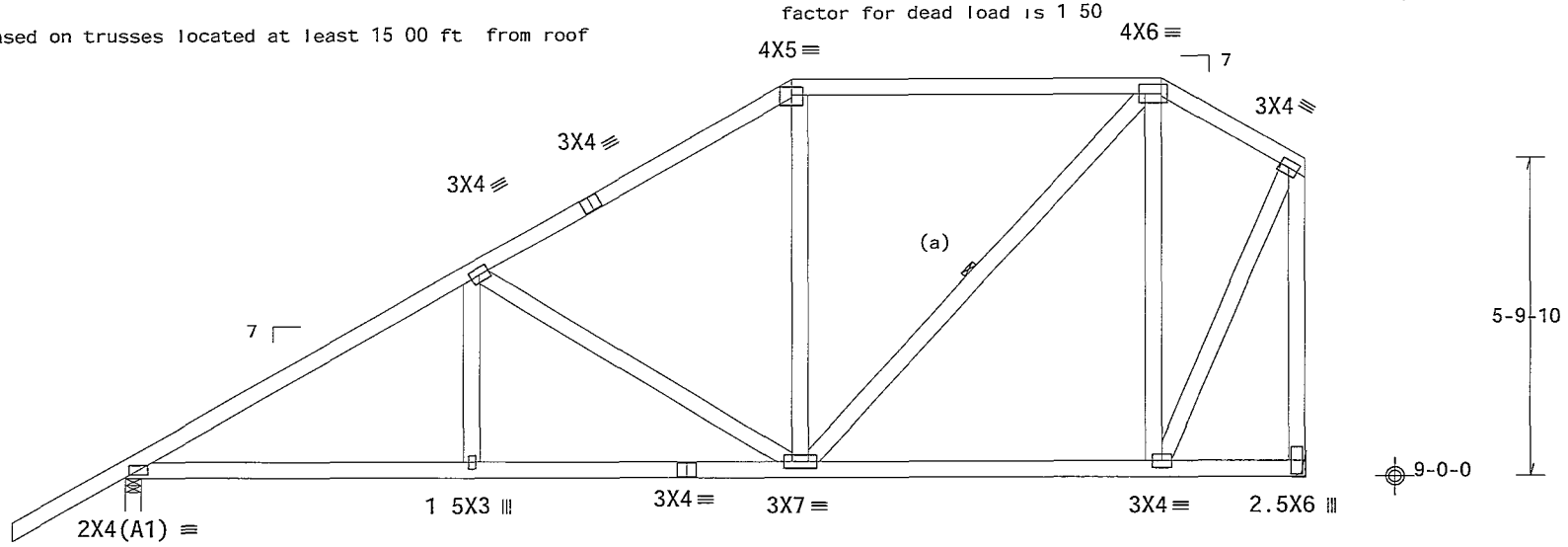
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

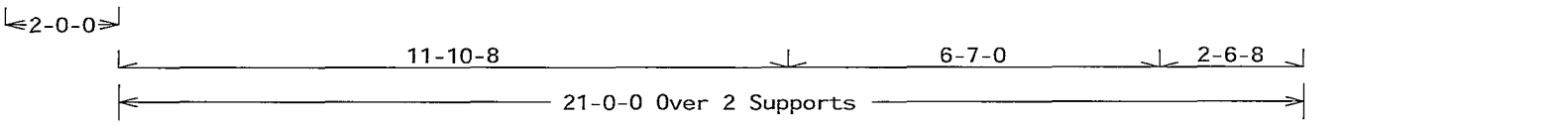
Wind loads and reactions based on MWFRS with additional C&C member design

Right end vertical not exposed to wind pressure

(a) Continuous lateral bracing equally spaced on member

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





R=934 U=56 W=3 5" (3 5" min)
RL=139/-94

R=788 U=74
H=H1

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

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

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TC LL	20 0 PSF	REF	R487-- 3998
TC DL	7 0 PSF	DATE	08/21/13
BC DL	10 0 PSF	DRW	HCUSR487 13233058
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	316732
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

Scale =.3125"/Ft.

BOT CHORD PANEL CAMBER: 1/4" PER 10'-0" PANEL
TOP CHORD PANEL CAMBER: 1/4" PER 10'-0" PANEL

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A9 21 Common)

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

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

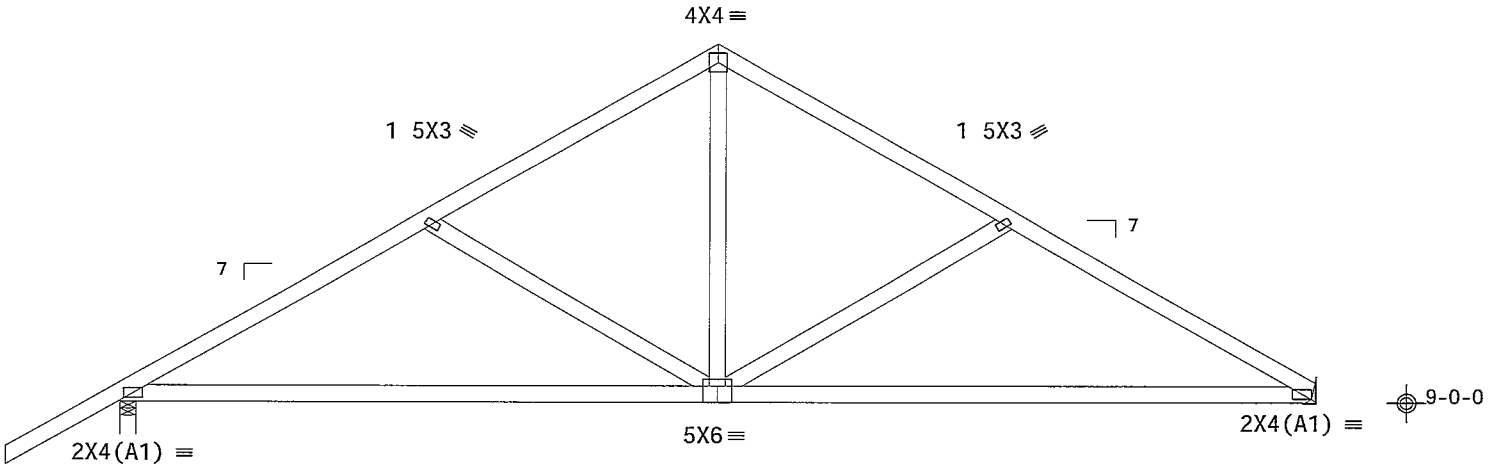
(H1) = (J) Hanger not calculated (1)2x6 SP M-26 supporting member
(H2) = (J) Hanger not calculated (1)2x4 SP 2850f-2 3E supporting member

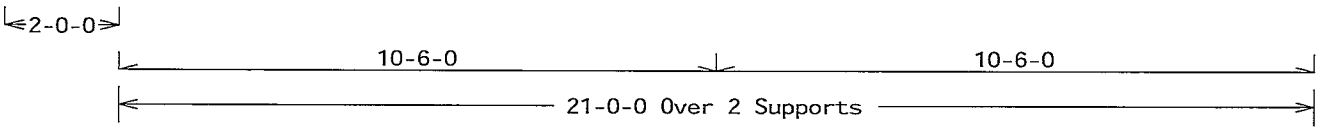
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Deflection meets L/240 live and L/180 total load Creep 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=160 W=3 5 (3 5 min)
RL=152/-165

R=793 U=122
H=H1 and H2

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY:6 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 3999
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233059
BC LL	0 0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	316733
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A10 21' Common)

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

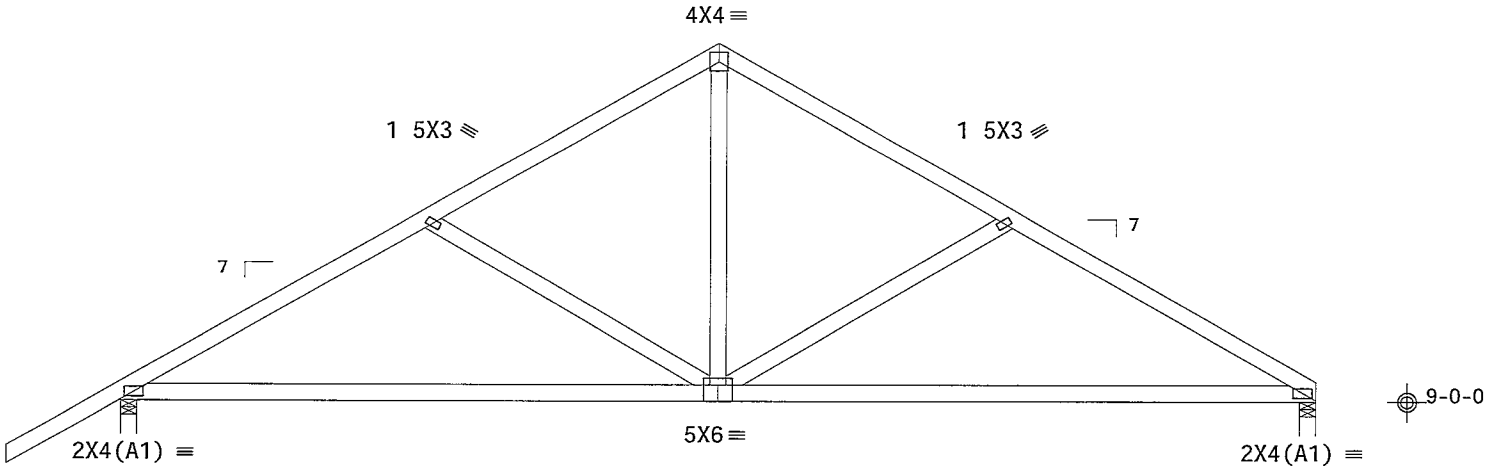
Lumber grades designated with '13B" use design values approved 1/30/2013 by ALSC

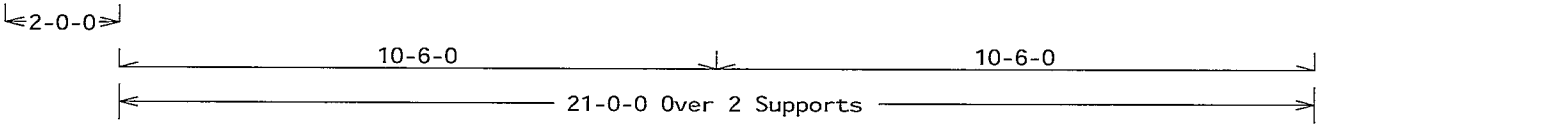
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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

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

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





R=929 U=160 W=3 5 (3 5' min)
RL=152/-165

R=793 U=122 W=3 5' (3 5" min)

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

LOAD CASE(S) 1 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20 0 PSF	REF	R487-- 4000
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233060
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	316734
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City FL 3202 - B 21' Common)

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

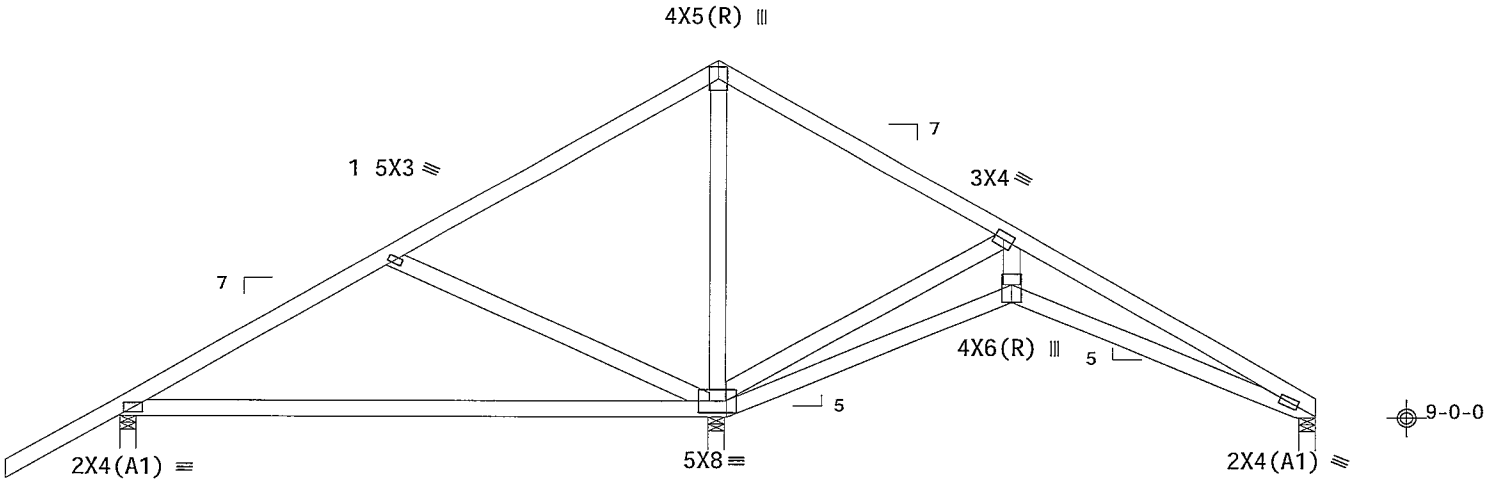
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

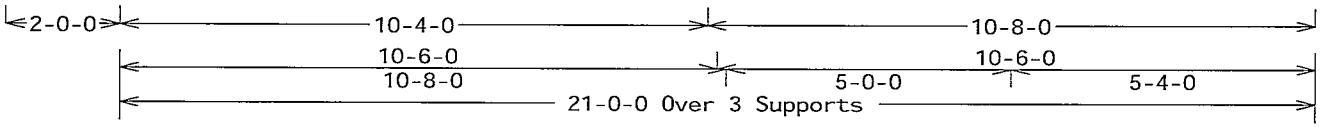
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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

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

Shim all supports to solid bearing





R=450 U=89 W=3 5' (3 5' min)
RL=152/-165

R=1142 U=135 W=3 5' (3 5' min)

R=238 U=50 W=3 5" (3 5" min)

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY·5 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20 0 PSF	REF	R487-- 4001
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233061
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	316735
DUR.FAC	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - B1 21 Common Girder)

Top chord 2x4 SP 2850f-2 3E
Bot chord 2x6 SP M-26
Webs 2x4 SP #3-13B W3 2x4 SP #1-13B

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

Brg blocks 0 131"x3", min nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
1	0 000'	1	12"	4	Rigid Surface

Brg block to be same size and species as chord
Refer to drawing CNNAILSP0109 for more information

Wind loads and reactions based on MWFRS

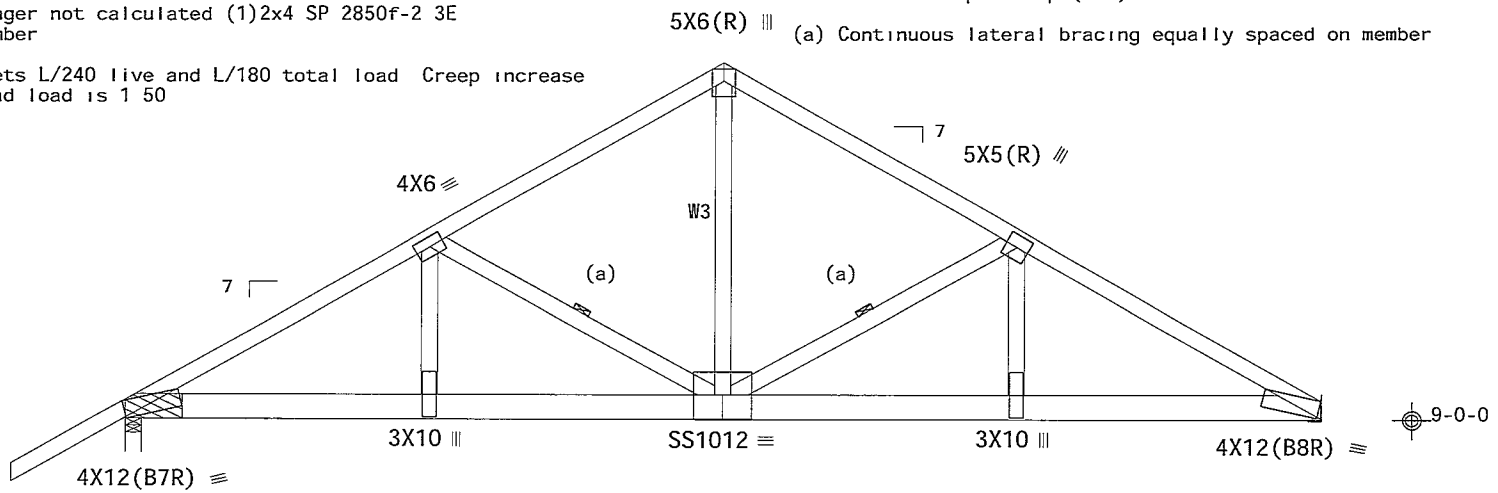
(H1) = (J) Hanger not calculated (1)2x4 SP 2850f-2 3E supporting member

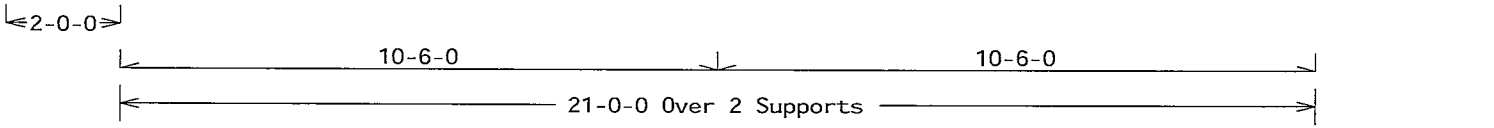
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

Special loads
------(Lumber Dur Fac =1 25 / Plate Dur Fac =1 25)
TC- From 56 plf at -2 00 to 56 plf at 10 50
TC- From 56 plf at 10 50 to 56 plf at 21 00
BC- From 5 plf at -2 00 to 5 plf at 0 00
BC- From 10 plf at 0 00 to 10 plf at 10 50
BC- From 10 plf at 10 50 to 10 plf at 21 00
BC- 792 65 lb Conc Load at 1 94, 3 94, 5 94, 7 94 9 94
BC- 787 90 lb Conc Load at 11 94,13 94,15 94,17 94 19 94

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

(a) Continuous lateral bracing equally spaced on member





R=4619 U=756 W=3 5" (3 5' min)

R=4796 U=501
H=H1

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. 18 Gauge HS,Wave

QTY.1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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Trusses require extreme care in fabricat ng handling shipping install ng and brac ng 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 otherw se top chord shall have properly attached structural sheathing and bottom chords shall have a properly attached r g d ceiling Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as appl cable

ITW Building Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to bu ld the truss in conformance with ANSI/TPI 1 or for handling shipp ng install ng and bracing of trusses Apply plates to each face of truss and position as shown above and on the design Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate positions A seal on this drawing or cover page list ng this draw ng indicates acceptance of professional engineering responsibility solely for the design shown The su tab lity 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 This job general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF R487-- 4002
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 13233062
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 316747
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - BGE 10 8 Gable)

Top chord 2x4 SP 2850f-2 3E
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B
·Stack Chord SC1 2x4 SP 2850f-2 3E Stack Chord SC2 2x4 SP 2850f-2 3E

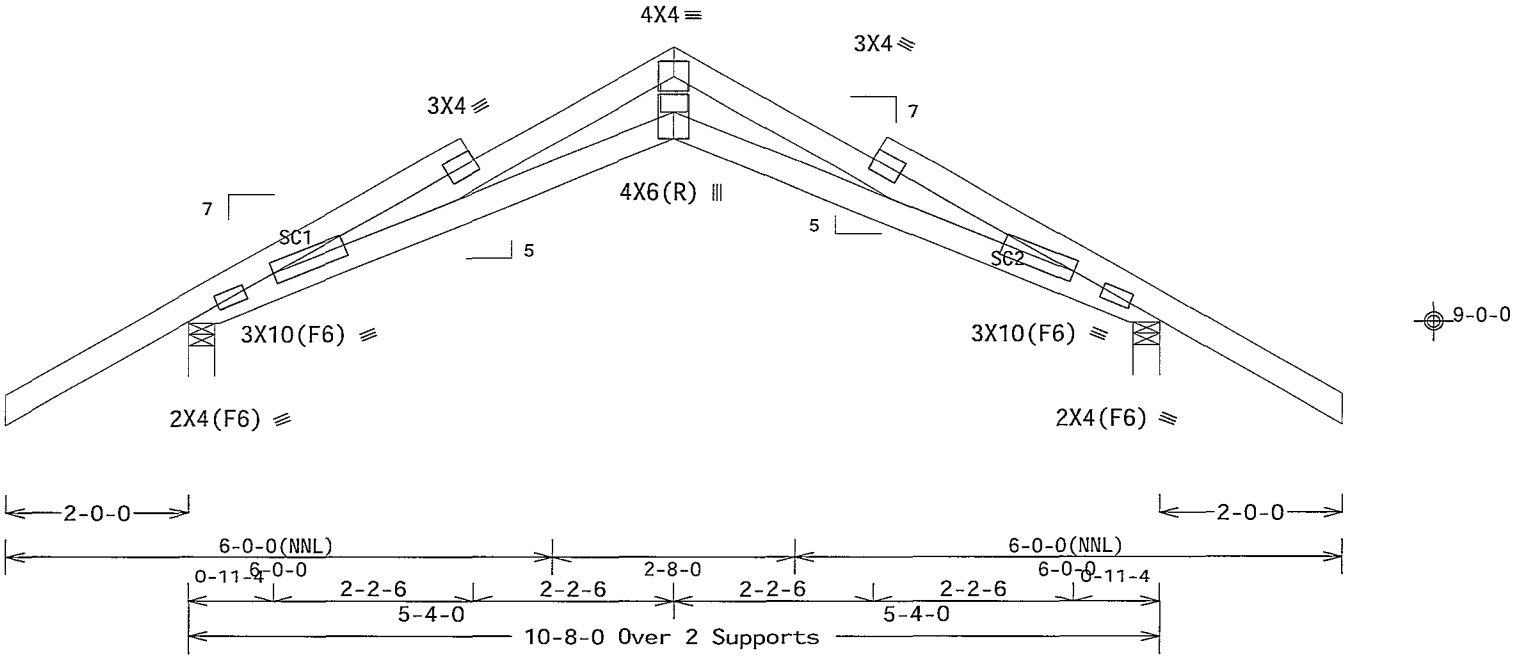
Lumber grades designated with '13B" use design values approved 1/30/2013 by ALSC

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

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

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

Stacked top chord must NOT be notched or cut in area (NNL) Dropped top chord braced at 24" o c intervals Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24' o c Center plate on stacked/dropped chord interface, plate length perpendicular to chord length Splice top chord in notchable area using 3x6



R=537 U=93 W=3 5' (3 5" min)
RL=118/-118

R=537 U=93 W=3 5" (3 5" min)

Design Crit: FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

JOB: 13-236-14 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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Trusses requ re extreme care n fabr cat ng handl ng shipp ng nstalling 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 performing these funct ons 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 ceil ng Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any deviation from this des gn any failure to build the truss n conformance with ANSI/TPI 1 or for handl ng shipp ng nstallation & brac ng of trusses Apply plates to each face of truss and position as shown above and on this design Details unless noted otherwise Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page i sting this drawing nd cates acceptance of professional engineer ng respons b l ty solely for the des gn shown The suitabil ty and use of th s des gn for any struc the respons bil ty of the Bu lding Des gner per ANSI/TPI 1 Sec 2 For more information see This des general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF R487-- 4003
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 13233063
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 316736
DUR.FAC.	1.25	FROM JMW
SPACING	24 0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - BGE1 21 Common)

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B
Stack Chord SC1 2x4 SP #1-13B

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

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements

Stacked top chord must NOT be notched or cut in area (NNL) Dropped top chord braced at 24" o c intervals Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o c Center plate on stacked/dropped chord interface, plate length perpendicular to chord length Splice top chord in notchable area using 3x6

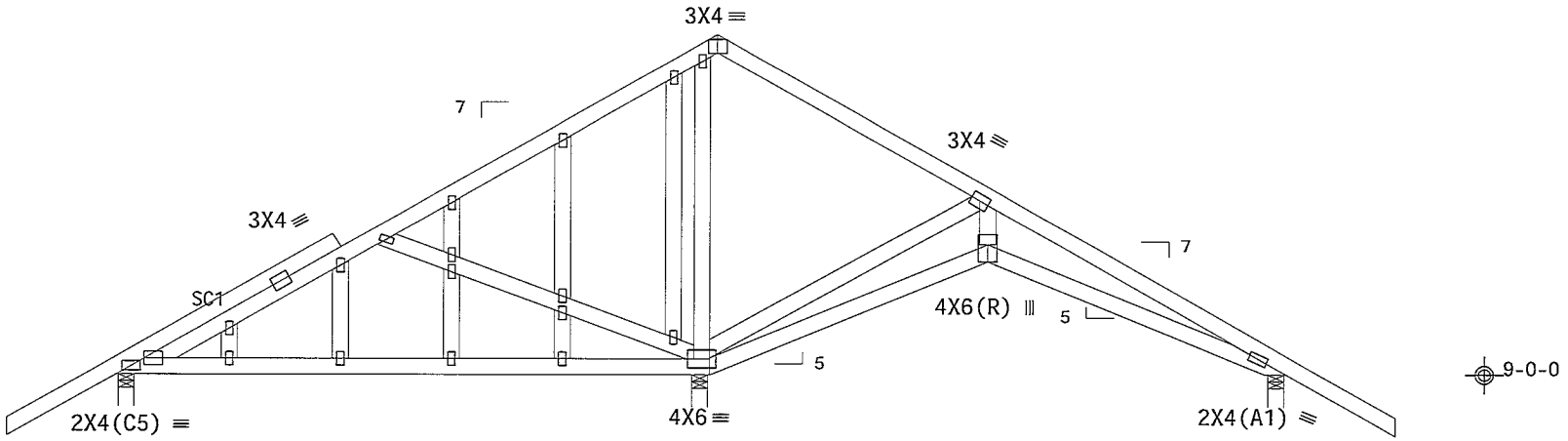
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

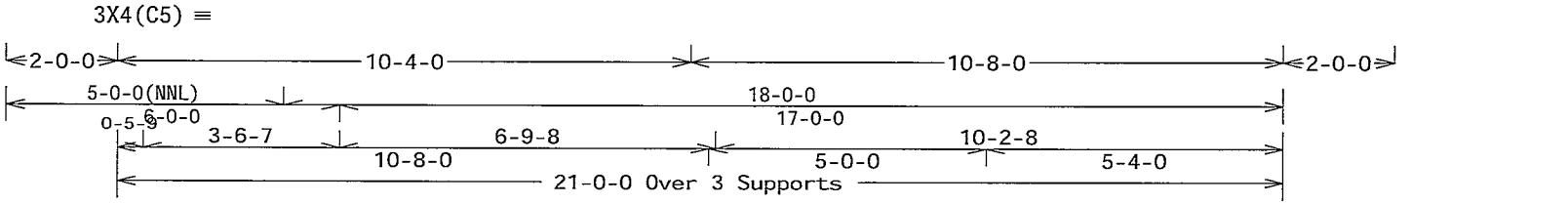
Wind loads and reactions based on MWFRS with additional C&C member design

Gable end supports 8" max rake overhang

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

Shim all supports to solid bearing





R=452 U=80 W=3 5' (3 5" min)
RL=175/-179

R=1093 U=100 W=3 5" (3 5" min)

R=399 U=97 W=3 5" (3 5" min)

Note: All Plates Are 1.5X3 Except As Shown

Design Crit: FBC2010Com/TPI-2007(STD)

PLT TYP. Wave

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

LAY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any fa lure to build the truss n conformance with ANSI/TPI 1 or for handling shipp ng nstallation and bracing of trusses Apply plates to each face of truss and position as shown above and on those Details unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page listing this drawing indicates acceptance of professional eng neering responsibility solely for the design shown The suitability and use of th s design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This design general notes page ITW-BCG www twbcg com TPI www tp nst org WTCA www sbc ndustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 4004
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10 0 PSF	DRW	HCUSR487 13233064
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	316737
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - CJ1 1 Jack)

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

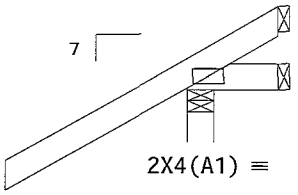
Lumber grades designated with '13B" use design values approved 1/30/2013 by ALSC

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

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

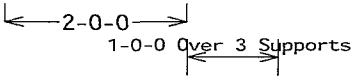
Wind loads and reactions based on MWFRS with additional C&C member design

Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



9-7-13
R=-102 Rw=52 U=115 (1 5" min)

9-0-0
R=-30 Rw=22 U=26 (1 5" min)



R=329 U=100 W=3 5' (3 5" min)
RL=42/-35

Design Crit. FBC2010Com/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 120 mph (3 sec gust) QTY:10 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any fa lure to build the truss in conformance with ANSI/TPI 1 or for handl ng shipp ng nstallat on & bracing of trusses Apply plates to each face of truss and position as shown above and on d Both sides unless noted otherw se Refer to drawings 160A-Z for standard plate posit ons A seal on this drawing or cover page listing this draw ng indicates acceptance of professional eng neer ng respons bility solely for the design shown The suitability and use of th s 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 twbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 4005
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233065
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	316738
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - CJ3 3' Jack)

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

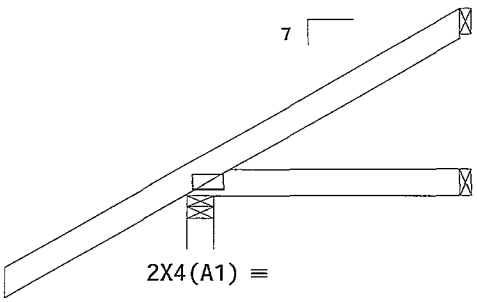
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

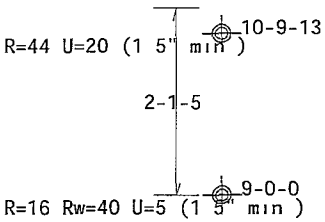
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

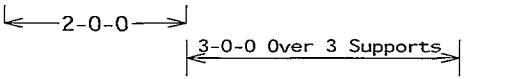
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162'x3 5"), toe nailed at Bot chord







R=291 U=54 W=3 5" (3 5" min)
RL=70/-42

Design Crit· FBC2010Com/TPI-2007(STD)

PLT TYP Wave FT/RT=10%(0%)/0(0) 2 03 04 3 23 14 QTY.8 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 4006
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233066
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	316739
DUR.FAC	1.25	FROM	JMW
SPACING	24 0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - CJ5 5' Jack)

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

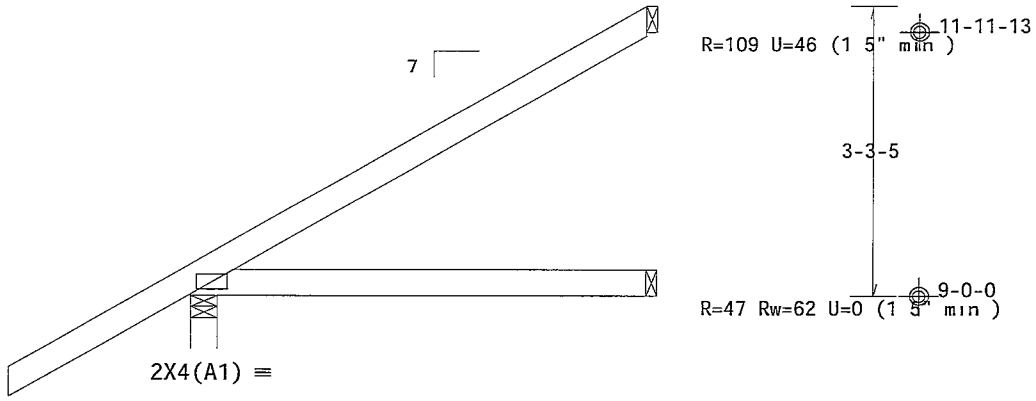
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

Provide (2) 16d common nails(0 162"x3 5), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

QTY·8 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 4007
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233067
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD.	37.0 PSF	SEQN-	316740
DUR.FAC.	1 25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - EJ3 2 10'8 End Jack)

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

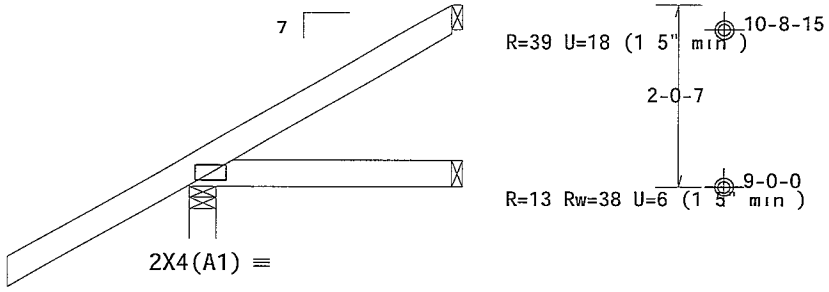
Lumber grades designated with "13B' use design values approved 1/30/2013 by ALSC

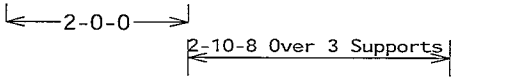
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

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

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

Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Bot chord





R=288 U=54 W=3 5' (3 5" min)
RL=69/-41

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY·8 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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Trusses requ re extreme care n fabr cat ng handl ng shipp ng nstalling and bracing follow the latest edition of BCSI (Bu ld ng Component Safety Information by TPI and WTCA) safety practices pr or to perform ng these funct ons Installers shall prov de temporary bracing for BCSI Unless noted otherwise top chord shall have properly attached structural sheath ng and bottom chord shall have a properly attached r gid ce l ng Locations shown for permanent lateral restraint of webs shall have bracing nstalled per BCSI sections B3 B7 or B10 as applicable

ITW Bu ld ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this de gn any failure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pp ng nstallation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the JOB Deta ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A so draw ng or cover page l st ng th s drawing nd cates acceptance of profess onal engineer ng responsib l ty solely for the des gn shown The su tab l ty and use of th s des gn for any struc the responsibil ty of the Bu ld ng 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

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20 0 PSF	REF R487-- 4008
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10 0 PSF	DRW HCUSR487 13233068
BC LL	0 0 PSF	HC-ENG WHK/WHK
TOT LD.	37.0 PSF	SEQN- 316741
DUR.FAC	1 25	FROM JMW
SPACING	24 0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - EJ7 7 End Jack)

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

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

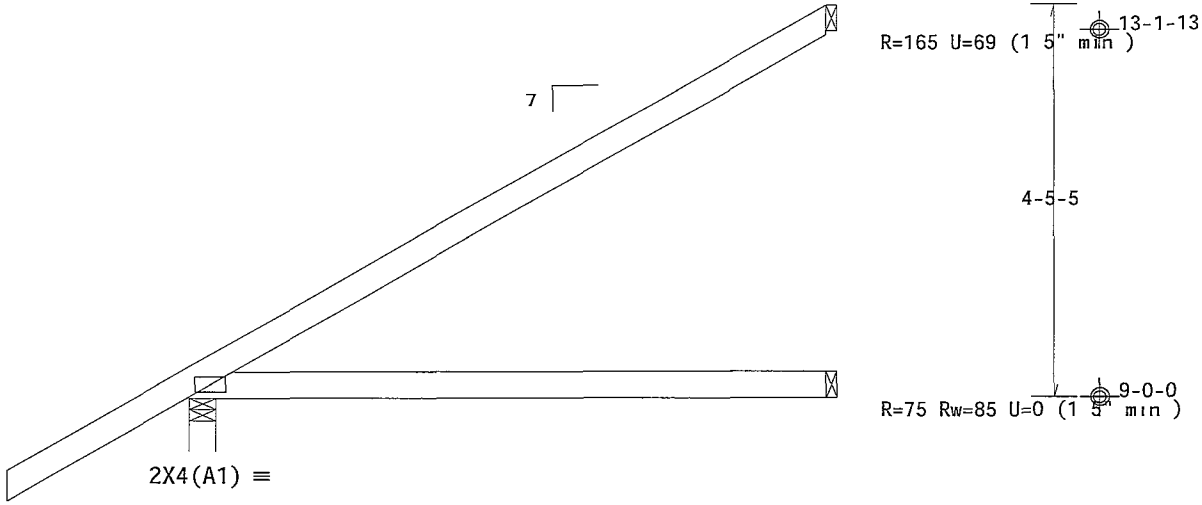
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

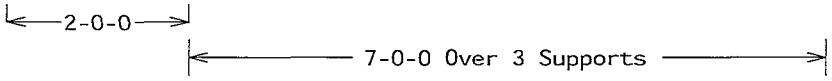
Provide (2) 16d common nails(0 162'x3 5"), toe nailed at Top chord
Provide (2) 16d common nails(0 162'x3 5"), toe nailed at Bot chord

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

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

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





R=414 U=51 W=3 5' (3 5' min)
RL=127/-55

Design Crit FBC2010Com/TPI-2007(STD)

PLT TYP. Wave

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

CSI: TC 0.04 BC 0.06 WB 0.14

QTY:13 FL/-/4/-/-/R/-

Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF R487-- 4009
TC DL	7 0 PSF	DATE 08/21/13
BC DL	10 0 PSF	DRW HCUSR487 13233069
BC LL	0 0 PSF	HC-ENG WHK/WHK
TOT.LD.	37 0 PSF	SEQN- 316742
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - H11 26 4' Stepdown Hip)

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

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

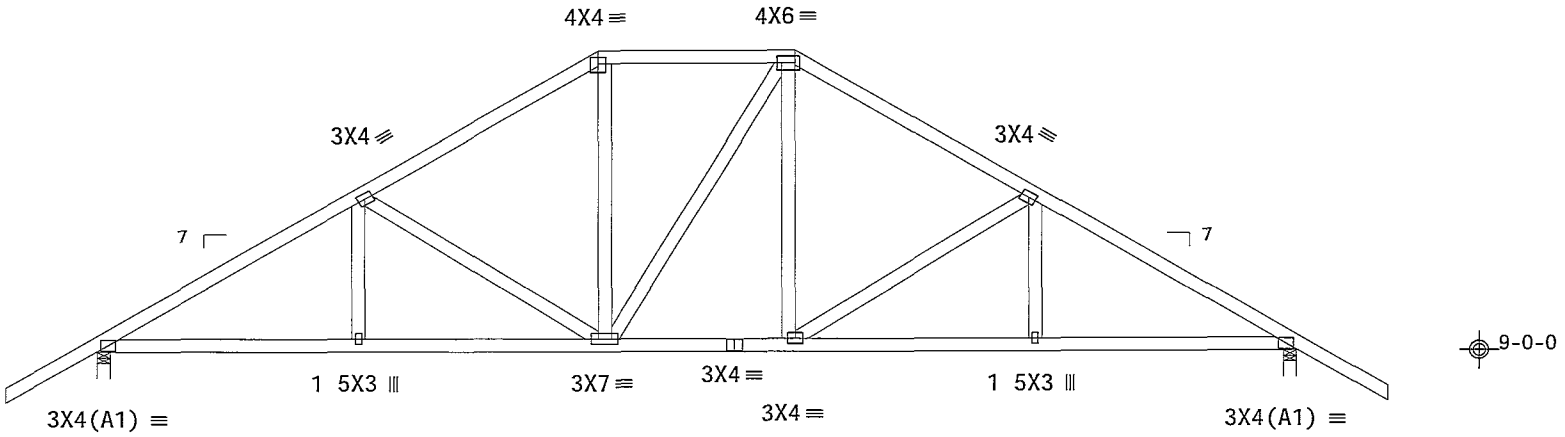
In lieu of structural panels use purlins to brace all flat TC @ 24' OC

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

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

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

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



R=1125 U=192 W=3 5 (3 5 min)
RL=191/-191

R=1125 U=192 W=3 5" (3 5" min)

Design Crit. FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY 1

FL/-/4/-/-/R/-

Scale =.25"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20 0 PSF	REF	R487-- 4010
TC DL	7 0 PSF	DATE	08/21/13
BC DL	10 0 PSF	DRW	HCUSR487 13233070
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	316743
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - H13 26 4' Stepdown Hip)

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

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

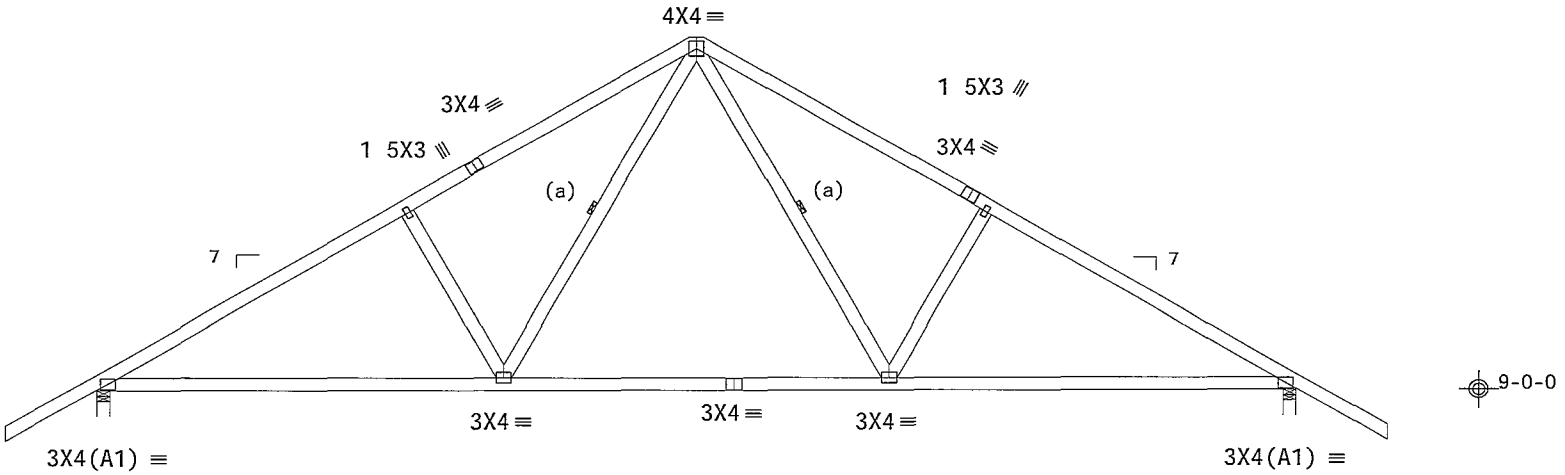
(a) Continuous lateral bracing equally spaced on member

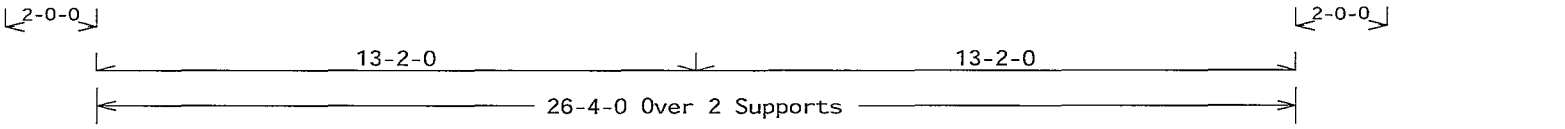
MWFRS loads based on trusses located at least 15 00 ft from roof edge

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

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

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





R=1125 U=25 W=3 5' (3 5' min)
RL=217/-217

R=1125 U=25 W=3 5" (3 5" min)

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

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

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ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviat on from th s design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling shipp ng installation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on the ind v dual Deta ls unless noted otherw se Refer to draw ngs 160A-Z for standard plate pos tions A scal ng of draw ng or cover page l st ng this draw ng nd cates acceptance of professional engineering responsibility solely for the design shown The su tab l ity and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more nformation see This ITW general notes page ITW BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

TC LL	20.0 PSF	REF	R487-- 4011
TC DL	7 0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233071
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	316744
DUR FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - H7 26'4" Stepdown Hip Girder)

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

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

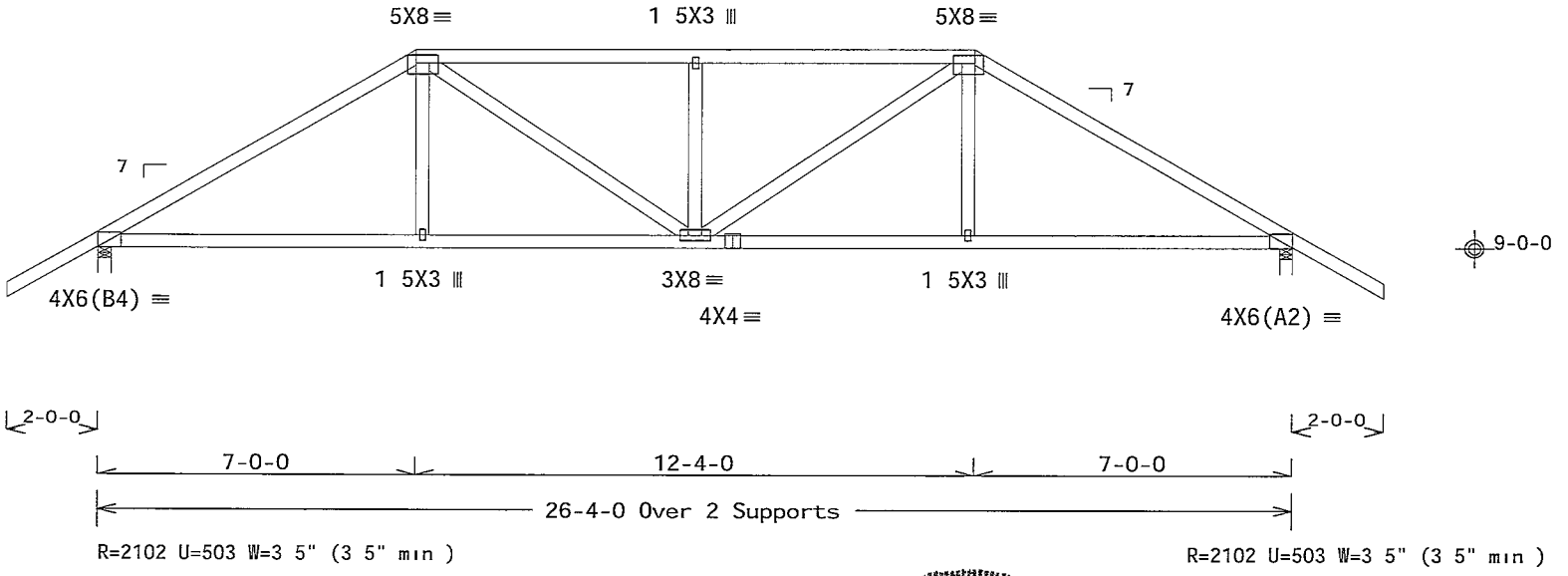
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

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

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 56 plf at -2 00 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 19 33
TC- From 56 plf at 19 33 to 56 plf at 28 33
BC- From 5 plf at -2 00 to 5 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 7 03
BC- From 10 plf at 7 03 to 10 plf at 14 00
BC- From 10 plf at 14 00 to 10 plf at 19 30
BC- From 20 plf at 19 30 to 20 plf at 26 33
BC- From 5 plf at 26 33 to 5 plf at 28 33
TC- 243 53 lb Conc Load at 7 03,19 30
TC- 165 33 lb Conc Load at 9 06,11 06,13 06,13 27 15 27,17 27
BC- 245 89 lb Conc Load at 7 03,19 30
BC- 75 38 lb Conc Load at 9 06,11 06,13 06,13 27 15 27,17 27



Design Crit. FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

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

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TC LL	20.0 PSF	REF	R487-- 4012
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233072
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	316751
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

Scale =.25"/Ft.

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - H7A 21 Stepdown Hip Girder)

Top chord 2x4 SP #1-13B ·T2 2x4 SP 2850f-2 3E
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

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

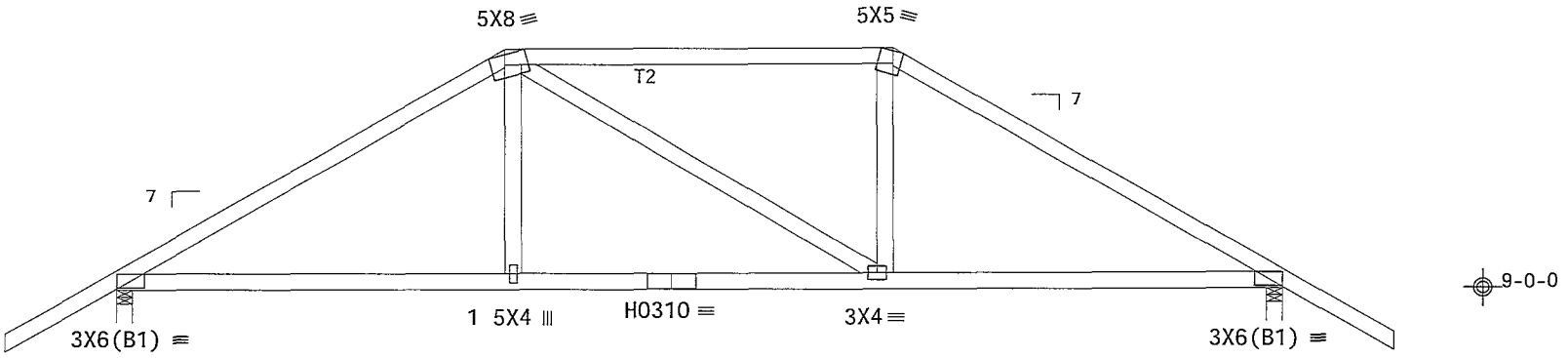
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

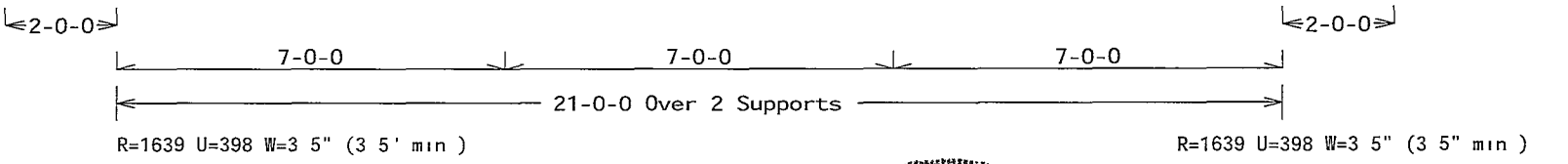
Wind loads and reactions based on MWFRS

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

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 56 plf at -2 00 to 56 plf at 7 00
TC- From 28 plf at 7 00 to 28 plf at 14 00
TC- From 56 plf at 14 00 to 56 plf at 23 00
BC- From 5 plf at -2 00 to 5 plf at 0 00
BC- From 20 plf at 0 00 to 20 plf at 7 03
BC- From 10 plf at 7 03 to 10 plf at 10 00
BC- From 10 plf at 10 00 to 10 plf at 13 97
BC- From 20 plf at 13 97 to 20 plf at 21 00
BC- From 5 plf at 21 00 to 5 plf at 23 00
TC- 243 53 lb Conc Load at 7 03,13 97
TC- 165 33 lb Conc Load at 9 06,10 50,11 94
BC- 245 89 lb Conc Load at 7 03,13 97
BC- 75 38 lb Conc Load at 9 06,10 50,11 94





Design Crit· FBC2010Com/TPI-2007(STD)
PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) FL/-/4/-/-/R/- Scale =.3125"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 4013
TC DL	7 0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233073
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	316752
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - H9 26 4" Stepdown Hip)

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

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

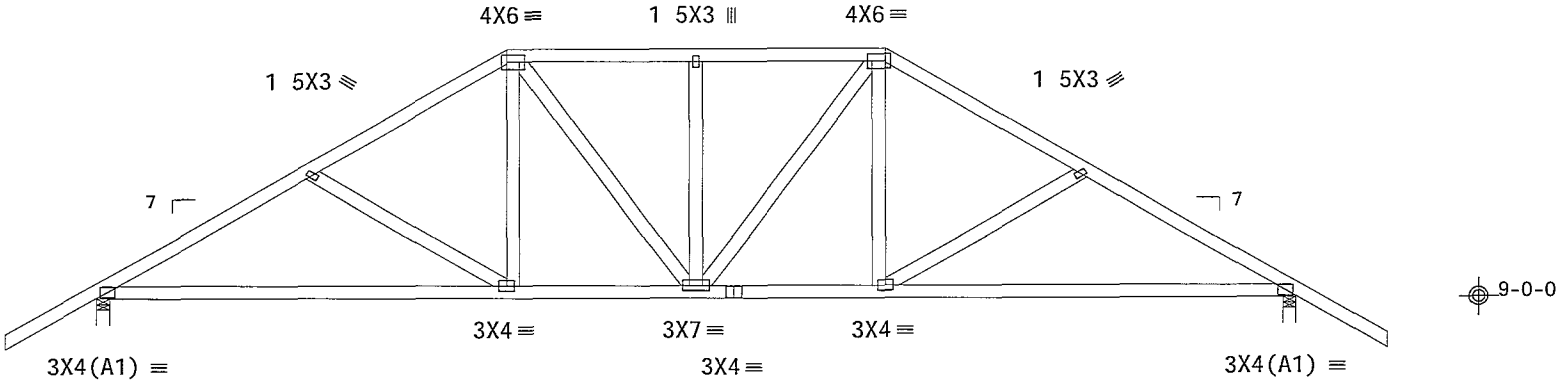
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

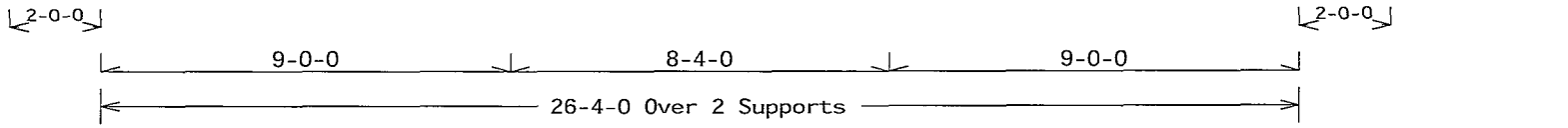
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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





R=1125 U=194 W=3 5" (3 5' min)
RL=165/-165

R=1125 U=194 W=3 5" (3 5" min)

Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

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

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TC LL	20.0 PSF	REF	R487-- 4014
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233074
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	316745
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - H9A 21' Stepdown Hip)

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

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

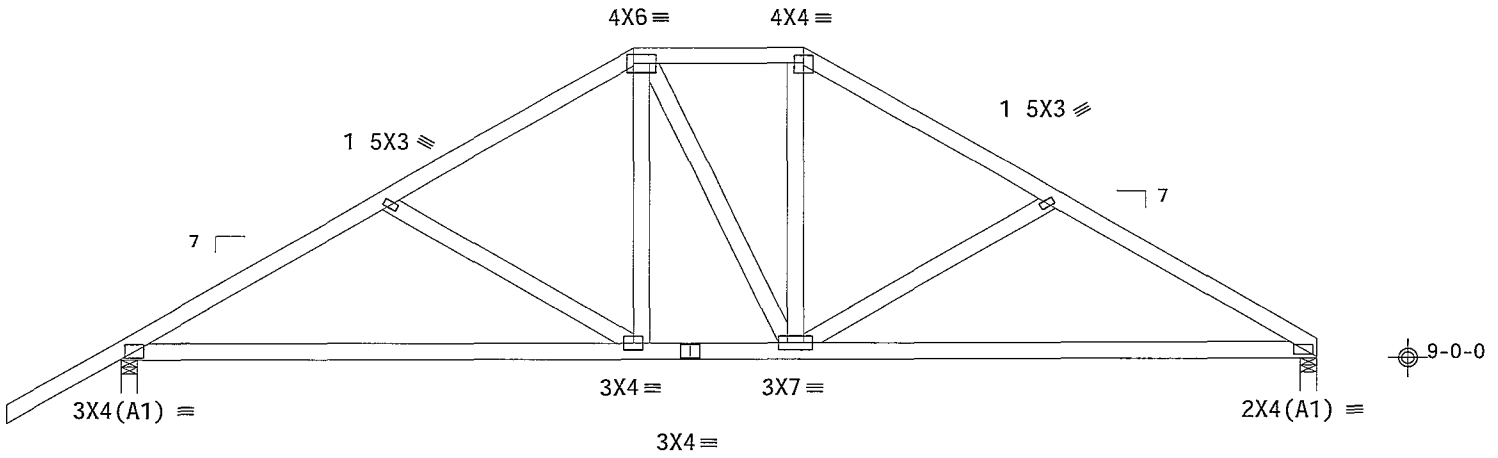
In lieu of structural panels use purlins to brace all flat TC @ 24" OC

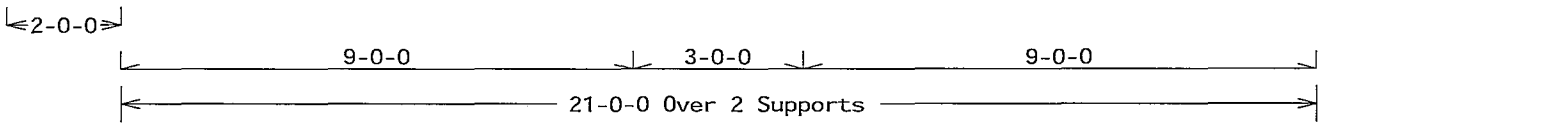
MWFRS loads based on trusses located at least 7 50 ft from roof edge

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

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

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





R=929 U=161 W=3 5' (3 5" min)
RL=133/-146

R=793 U=123 W=3 5" (3 5" min)

Design Crit: FBC2010Com/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | QTY:1 | FL/-/4/-/-/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 n fabricating handling shipping install ng and brac ng Refer to and follow the latest ed tion of BCSI (Building Component Safety Informat on by TPI and WTCA) for safety pract ces pr or to performing 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 r g d ceiling Locat ons shown for permanent lateral restraint of webs shall have brac ng nstalled per BCSI sections B3 B7 or B10 as appl cable

ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any dev ation from this design any failure to bu ld the truss in conformance w th ANSI/TPI 1 or for handling sh pping nstallat on & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherw se Refer to drawings 160A-Z for standard plate pos t ons A seal on this drawing or cover page listing this draw ng indicates acceptance of professional eng neering responsibility solely for the design shown The suitab lity 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 des general notes page ITW BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www ccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF	R487-- 4015
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233075
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	316746
DUR.FAC.	1 25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - HJ3 4'0"13 Hip Jack Girder)

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

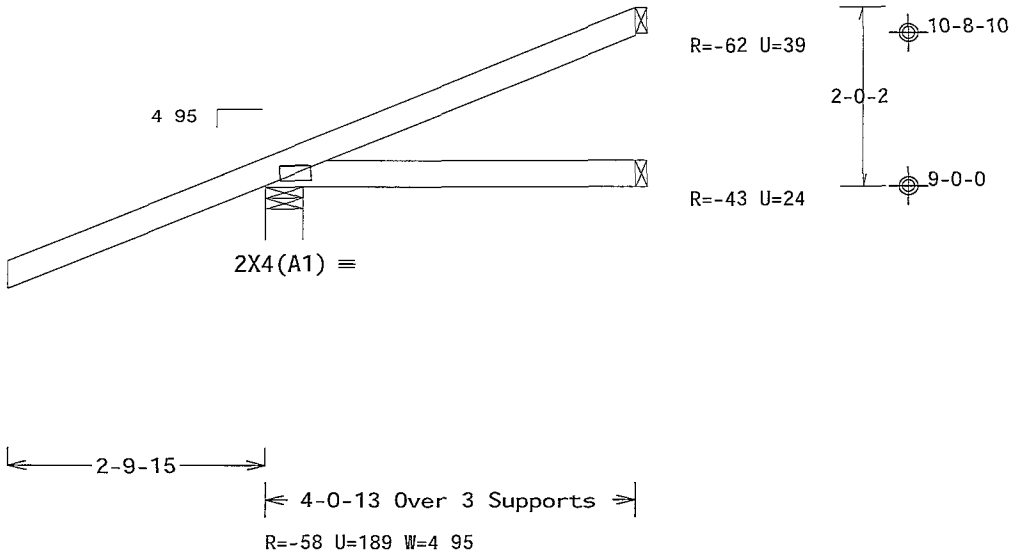
Lumber grades designated with "13B use design values approved 1/30/2013 by ALSC

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

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

Wind loads and reactions based on MWFRS

Provide (2) 16d common nails(0 162'x3 5'), toe nailed at Top chord
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

12 03 07 10 26 14 QTY·1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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ITW Bu ld ng Components Group Inc (ITWBCG) shall not be responsible for any dev at on fr this des gn any failure to build the truss n conformance w th ANSI/TPI 1 or for handl ng sh pping nstallation & brac ng of trusses Apply plates to each face of truss and pos t on as shown above and on t Det a ls unless noted otherwise Refer to draw ngs 160A-Z for standard plate pos t ons A sm draw ng or cover page l st ng th s draw ng nd cates acceptance of professional engineering responsib l ty solely for the des gn shown The su tab l ty and use of this des gn for any str the responsib l ty of the Bu ld ng Des gner per ANSI/TPI 1 Sec 2 For more information see Th general notes page ITW BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20 0 PSF	REF R487-- 4016
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 13233076
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD.	37.0 PSF	SEQN- 316748
DUR.FAC	1.25	FROM JMW
SPACING	24.0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - HJ7 9 10"13 Hip Jack Girder)

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

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

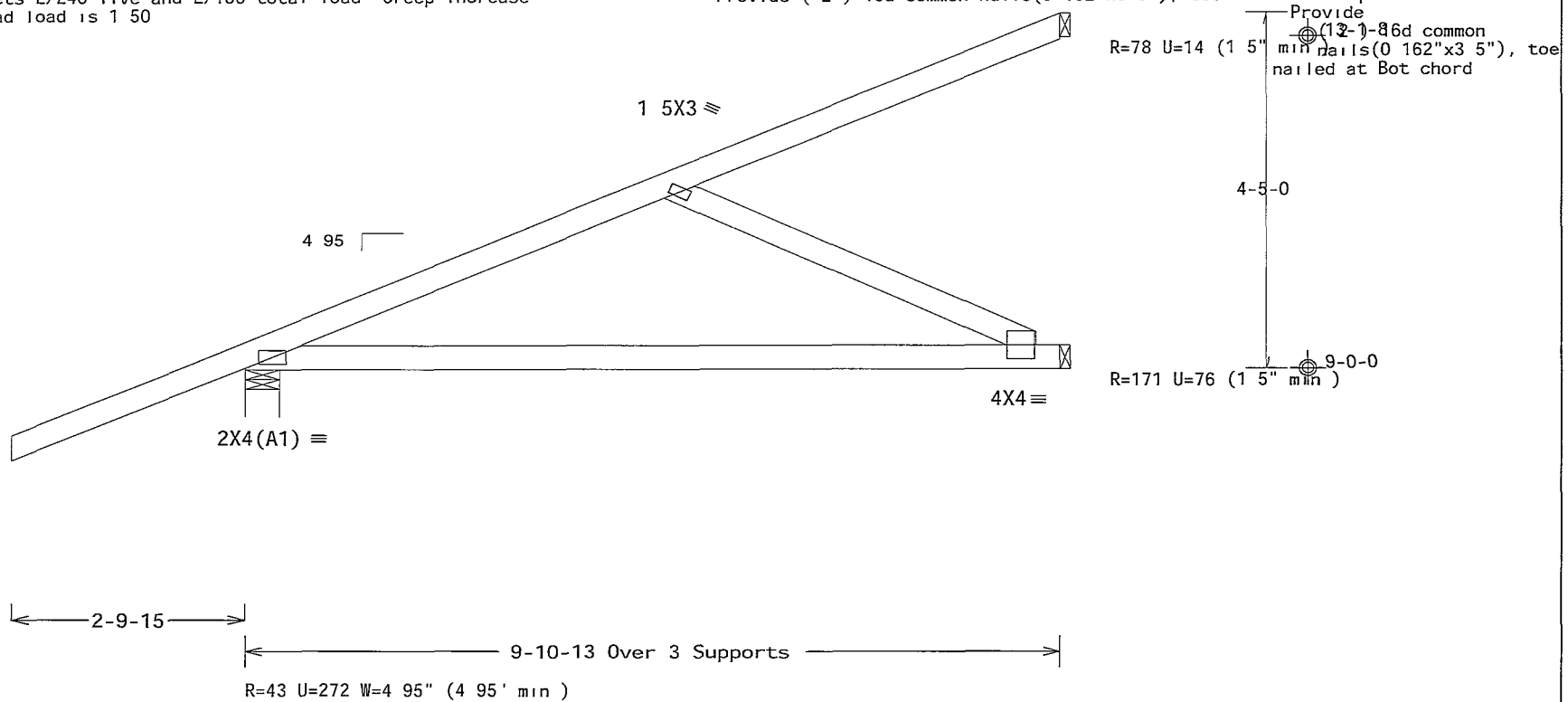
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MWFRS

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 55 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- -203 00 lb Conc Load at 1 48
TC- 87 97 lb Conc Load at 4 31
TC- 217 97 lb Conc Load at 7 13
BC- -60 18 lb Conc Load at 1 48
BC- 31 29 lb Conc Load at 4 31
BC- 94 19 lb Conc Load at 7 13

Provide (2) 16d common nails(0 162"x3 5), toe nailed at Top chord



Design Crit FBC2010Com/TPI-2007(STD) 12 03 04 10:32:14
FT/RT=10%(0%)/0(0)

PLT TYP. Wave QTY:4 FL/-/4/-/-/R/- Scale =.5"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

TC LL	20.0 PSF	REF R487-- 4017
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 13233077
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD	37.0 PSF	SEQN- 316749
DUR.FAC.	1 25	FROM JMW
SPACING	24 0"	JREF- 1UYZ487_Z03

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

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - MH3 18 3'8 Special Girder)

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

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

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

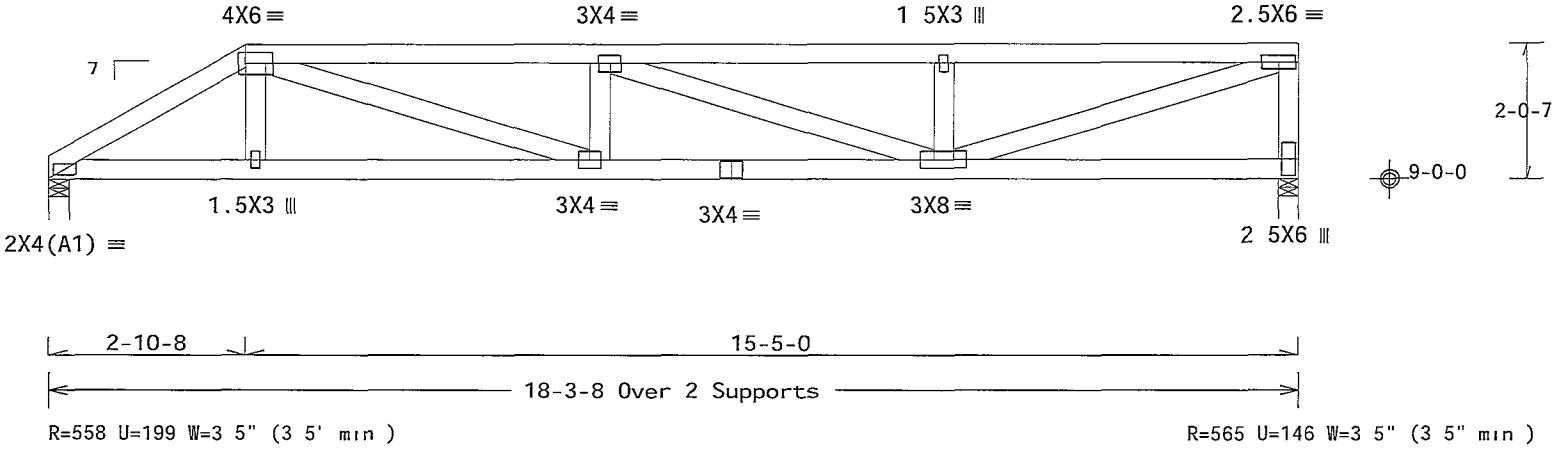
Wind loads and reactions based on MWFRS

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

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 56 plf at 0 00 to 56 plf at 2 88
TC- From 28 plf at 2 88 to 28 plf at 18 29
BC- From 20 plf at 0 00 to 20 plf at 2 91
BC- From 10 plf at 2 91 to 10 plf at 10 00
BC- From 10 plf at 10 00 to 10 plf at 18 29
TC- -22 99 lb Conc Load at 2 91
TC- 39 15 lb Conc Load at 4 94, 6 94, 8 94,10 94 12 94,14 94,16 94
BC- -29 30 lb Conc Load at 2 91
BC- 13 46 lb Conc Load at 4 94, 6 94, 8 94,10 94 12 94,14 94,16 94

Right end vertical not exposed to wind pressure



Design Crit FBC2010Com/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/21/2013

QTY·1 FL/-/4/-/-/R/-

Scale =.375"/Ft.

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

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TC LL	20 0 PSF	REF	R487-- 4018
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233078
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	316753
DUR.FAC.	1.25	FROM	JMW
SPACING	24.0"	JREF-	1UYZ487_Z03

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED

NOTES

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE FOR MINIMUM ALTERNATIVE BRACING RE-RUN DESIGN WITH APPROPRIATE BRACING

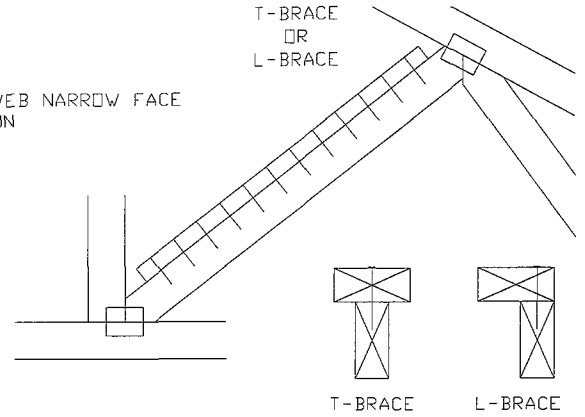
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1 2X4
2X3 OR 2X4	2 ROWS	2X6	2 2X4
2X6	1 ROW	2X4	1 2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1 2X8
2X8	2 ROWS	2X6	2 2X6(*)

T-BRACE L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN

(*) CENTER SCAB ON WIDE FACE OF WEB APPLY (1) SCAB TO EACH FACE OF WEB

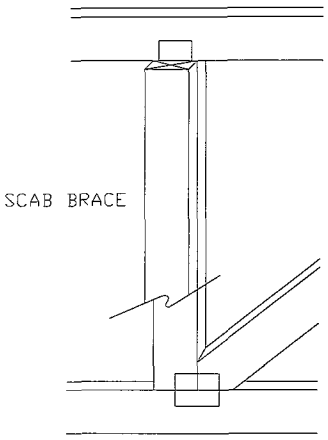
T-BRACING OR L-BRACING

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 10d BOX OR GUN
(0.128"x 3" MIN) NAILS
AT 6" OC
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING

APPLY SCAB(S) TO WIDE FACE OF WEB
NO MORE THAN (1) SCAB PER FACE
ATTACH WITH 10d BOX OR GUN
(0.128 x 3" MIN) NAILS
AT 6" OC
BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



Building Components Group Inc.

Earth City MO 63045

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IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR
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 TPI or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (V,H,S/X) ASTM A653 grade 37/40/60 (K/W/H,S) galv. steel. Apply plates to each face of truss positioned as shown on this and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.
ITW BCG: www.itwbcg.com TPI: www.tpinst.com WTCA: www.sbcindustry.com, ICC: www.ccsafe.org

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
AUG 21 2013
08/21/2013

TC LL	PSF	REF CLB SUBST
TC DL	PSF	DATE 1/1/09
BC DL	PSF	DRWG BRCLBSUB0109
BC LL	PSF	
TOT LD	PSF	
DUR FAC		
SPACING		

NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING

BLOCK LOCATION SIZE LENGTH GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL

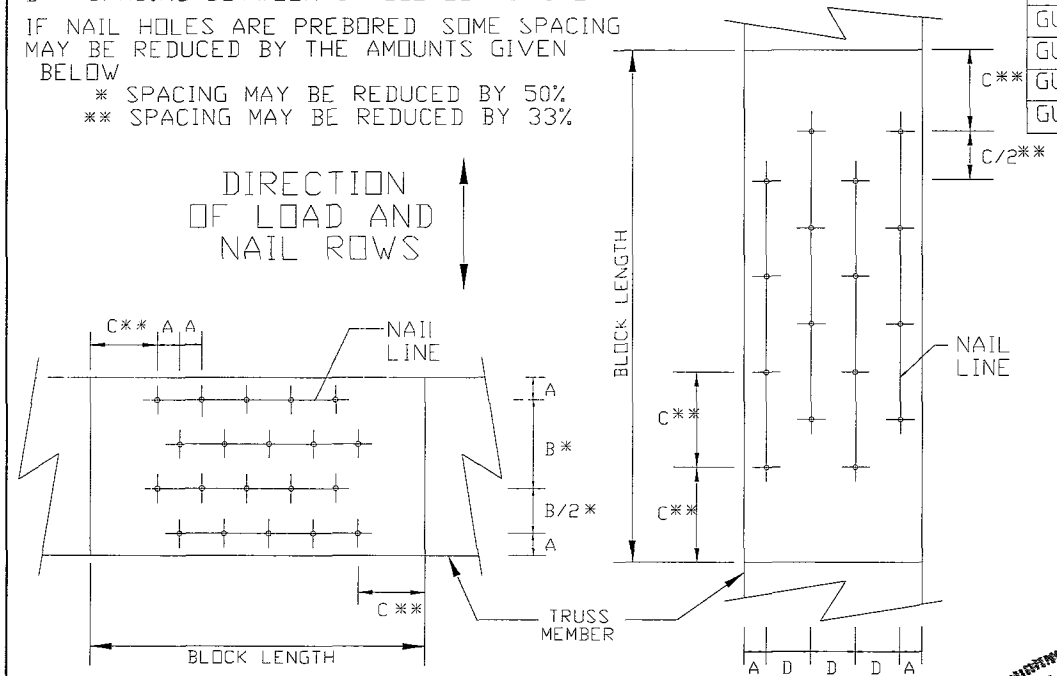
LOAD PERPENDICULAR TO GRAIN
- A EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN
- A - EDGE DISTANCE (6 NAIL DIAMETERS)
- C SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
- D SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW
- * SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**	D
8d BOX (0113 X 2 5 MIN)	3/4	1 3/8	1 3/4"	7/8
10d BOX (0128 X 3 MIN)	7/8	1 5/8	2	1
12d BOX (0128 X 3 25 ,MIN)	7/8	1 5/8	2	1
16d BOX (0135 X 3 5 MIN)	7/8	1 5/8	2 1/8	1 1/8
20d BOX (0148 X 4 MIN)	1	1 7/8	2 1/4	1 1/8
8d COMMON (0131 X 2 5 MIN)	7/8	1 5/8	2	1
10d COMMON (0148 X 3 ,MIN)	1	1 7/8	2 1/4	1 1/8
12d COMMON (0148 X 3 25 MIN)	1	1 7/8	2 1/4	1 1/8
16d COMMON (0162 X 3 5 MIN)	1	2	2 1/2	1 1/4"
GUN (0120 X 2 5 ,MIN)	3/4	1 1/2	1 7/8"	1"
GUN (0131 X 2 5 MIN)	7/8	1 5/8"	2	1
GUN (0120 X 3 MIN)	3/4	1 1/2	1 7/8	1"
GUN (0131 X 3 ,MIN)	7/8	1 5/8	2	1



LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN

ITW Building Components Group Inc.

Earth City MO 63045

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A sea on this dra ing or cover page ndicates acceptance and pro essiona engineering responsibility solely for the truss componen design shown The su tability and use of this component for any building is the responsibi ty of the Building Designer per ANSI/TPI 1 Sec 2
ITW BCG www itwbcg com, TPI www tpinst com WTCA www sbcindustry com ICC www iccsafe org

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER Aug 21 2013

08/21/2013

REF	NAIL SPACE
DATE	1/1/09
DRWG	CNNAILSP0109

Gable Stud Reinforcement Detail

ASCE 7-10 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 100

Or 100 mph Wind Speed 15 Mean Height Partially Enclosed Exposure C Kzt = 100

Or 100 mph Wind Speed 15 Mean Height Enclosed Exposure D Kzt = 100

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

Bracing Group Species and Grades

Group A

Spruce Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard

Douglas Fir Larch	Southern Pine***
#3	#3
Stud	Stud
Standard	Standard

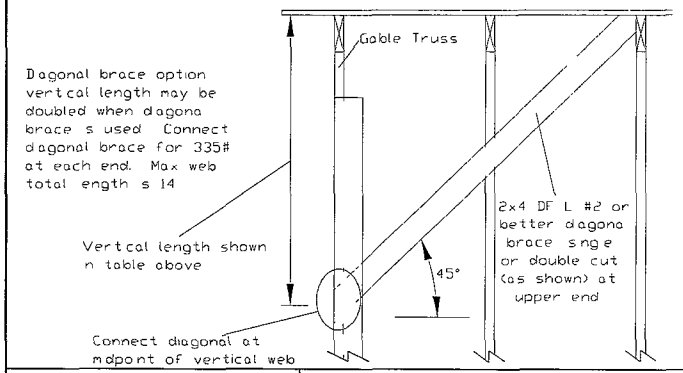
Group B

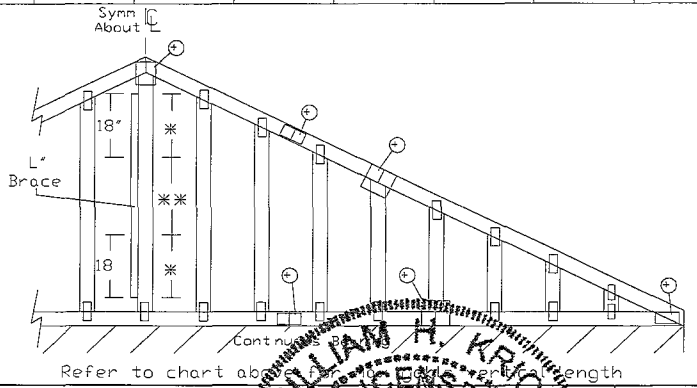
Hem-Fir
#1 & Btr
#1

Douglas Fir Larch	Southern Pine***
#1	#1
#2	#2

1x4 Braces shall be SRB (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.





Gable Truss Detail Notes

Wind Load deflection criterion is L/240

Provide uplift connections for 35 plf over continuous bearing (5 psf TC Dead Load)

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

So. Pine lumber design values based on the ALSC January 2012 rules

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

* For (1) "L" brace space nails at 2" o.c. in 18" end zones and 4" o.c. between zones

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

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

Gable Vertical Plate Sizes	
Vertical Length	No. Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0" but less than 11' 6"	2X4
Greather than 11' 6"	2.5X4

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

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

TW Building Components Group Inc.

Earth City, MO 63045

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information by TPI and 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. 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.

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TWBCG (www.twbcg.com), TPI (www.tpinst.org), WTCA (www.sbcindustry.org), ICC (www.iccsafe.org)

WILLIAM H. KRICK LICENSED No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
AUG 21 2013
08/21/2013

MAX TOT LD 60 PSF

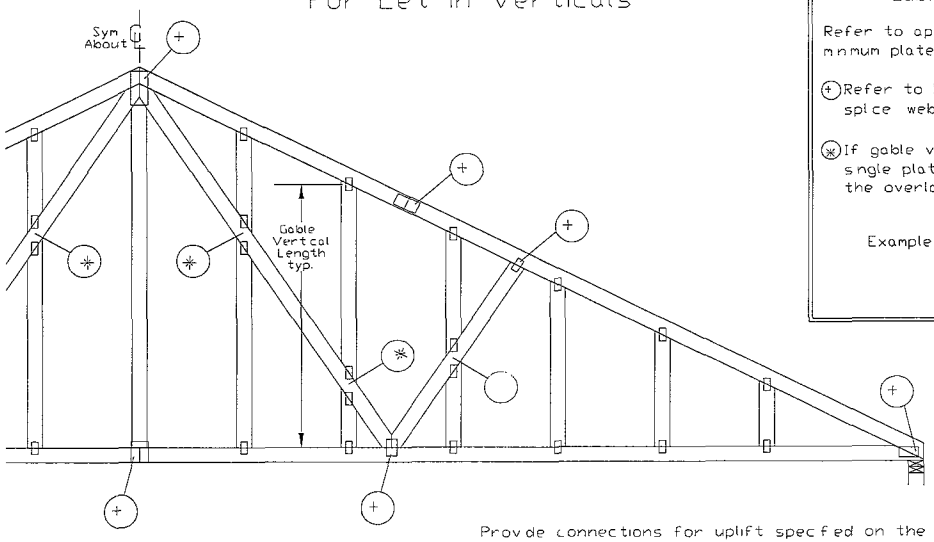
MAX SPACING 24 0

REF ASCE7-10-GAB12015

DATE 2/14/12

DRWG A12015ENC100212

Gable Detail
For Let in Verticals



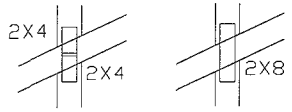
Gable Truss Plate Sizes

Refer to approprate ITW gable detal for mnmum plate szes for vertical studs

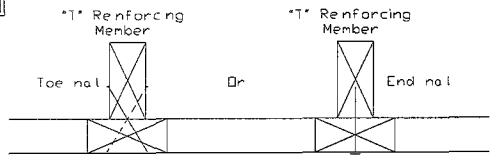
(+) Refer to Engneered truss desgn for peak spice web and heel plates

(*) If gable vertcal pates overap use a sngle plate that covers the total area of the overlapped plates to span the web

Example



"T Renforcement Attachment Detail



Provde connections for uplift specfed on the engineered truss design

Attach each T reinforcing member wth

E d Drven Nails
- 10d Common (0148 x 3 mn) Nals at 4" oc plus
- (4) nals n the top and bottom chords

Toenaled Nails
- 10d Common (0148 x3 mn) Toenals at 4" oc plus
- (4) toenails in the top and bottom chords

Ths detal to be used wth the approprate ITW gable detail for ASCE wnd oad

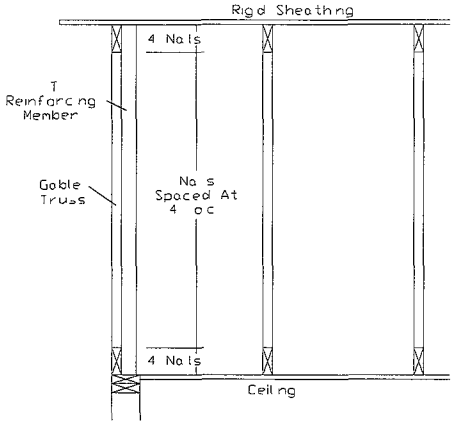
ASCE 7-98 Gable Detal Drawings
A13015980109 A12015980109 A11015980109 A10015980109
A13030980109 A12030980109 A11030980109 A10030980109

ASCE 7 02 Gable Detal Drawngs
A1301502O109 A12015020109 A11015020109 A10015020109 A14015020109
A13030020109 A12030020109 A11030020109 A10030020109 A14030020109

ASCE 7 05 Gable Detail Drawings
A13015050109 A12015050109 A11015050109 A10015050109 A14015050109
A13030050109 A12030050109 A11030050109 A10030050109 A14030050109

ASCE 7-10 Gable Detal Drawngs
A11515ENC100212 A12015ENC100212 A14015ENC100212 A16015ENC100212
A18015ENC100212 A20015ENC100212 A20015END100212 A20015PED100212
A11530ENC100212 A12030ENC100212 A14030ENC100212 A16030ENC100212
A18030ENC100212 A20030ENC100212 A20030END100212 A20030PED100212

See approprate ITW gable detal for maximum [illegible] vertcal length



To convert from L" to "T" reinforcng members multiply "T" ncrease by length (based on approprate ITW gable detail)

Maximum allowable T" renforced gable vertical length s 14 from top to bottom chord

"T" renforcng member materal must match sze spece and grade of the "L" renforcng member

Web Length Increase w/ T Brace

"T Renf Mbr Sze	"T" Increase
2x4	30 %
2x6	20 %

Example
- ASCE 7-10 Wind Speed 120 mph
- Mean Roof Height = 30 ft Kzt = 100
- Gable Vertical = 24"oc SP #3
- "T" Renforcng Member Sze = 2x4
- "T" Brace Increase (From Above) 30% = 130
- (1) 2x4 "L" Brace Length = 8 7"
- Maximum "T" Renforced Gable Vertical Length 130 x 8 7" = 11 2"

ITW Building Components Group Inc.

Earth City MO 63045

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For more information see this jobs general note page and these web s es
ITWBCG: www twbcg.com, TPI www tpinst.org WTCA www bcndustry.org ICC www.iccsafe.or

WILLIAM H. ERICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
Aug 21
08/21/2013

MAX TOT LD 60 PSF
DUR FAC ANY
MAX SPACING 240

REF LET-IN VERT
DATE 2/16/12
DRWG GBLLETIN0212

ASCE 7-10 120 mph, 30' Mean Height, Closed, Exposure C
Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph 30ft Mean Hgt ASCE 7-10 Enclosed Exp C or
100 mph 30ft Mean Hgt ASCE 7-10 Enclosed Exp D or
100 mph 30ft Mean Hgt ASCE 7 10 Part Enclosed Exp C
Kzt - 1 00 Wnd TC DL=5 0 psf Wind BC DL-5 0 psf

Lateral chord bracing requirements
Top Continuous roof sheathing
Bot Continuous ceiling diaphragm

See Engineer s sealed design referencng ths detal for lumber, plates and other nformation not shown on this detal

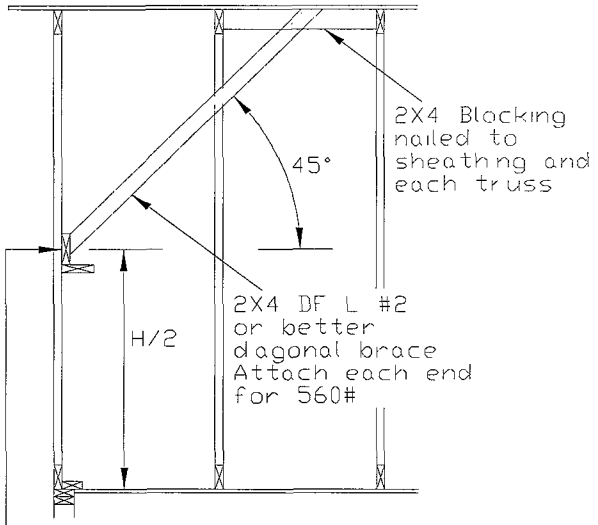
Nails 10d box or gun (0 128 x3 min) nail

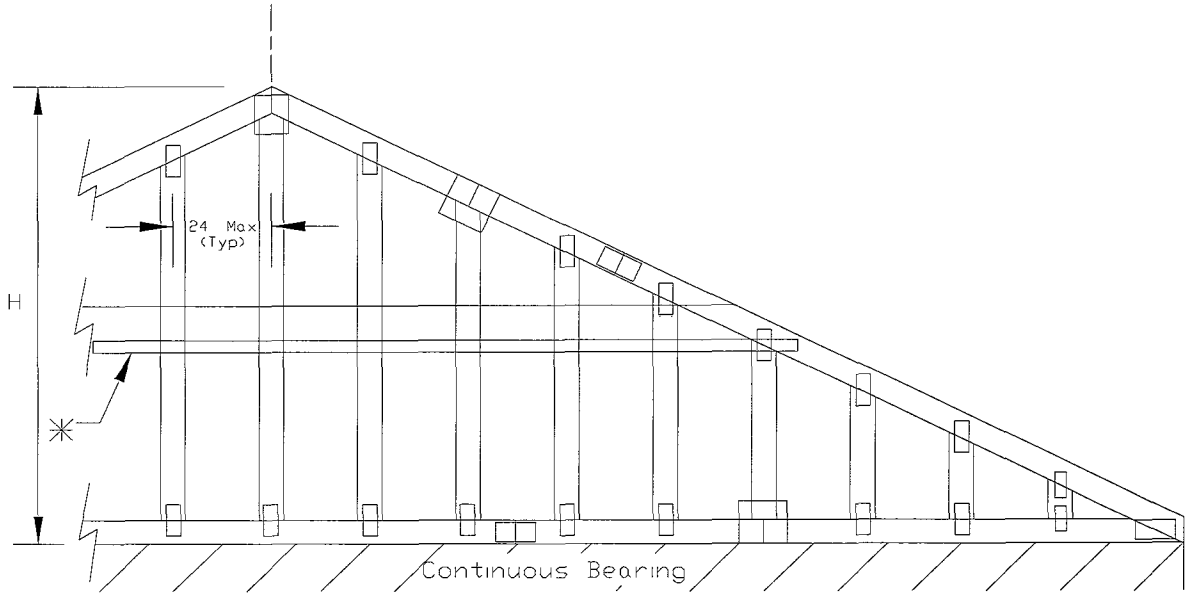
H Less than 4 6 no stud bracing required

H Greater than 4 6 to 7 6 n length
provde a 2x6 stiffback at md-height and brace stiffback to roof daphragm every 6 0 (see detail below or refer to DRWG A12030ENC10)

H Greater than 7 6 to 12 0 max
provide a 2x6 stffback at mid-height and brace to roof diaphragm every 4 0 (see detail below or refer to DRWG A12030ENC10)

✳ Optonal 2x L-renforcement attached to stffback w th 10d box or gun (0128 x 3 , min) nals @ 6 oc





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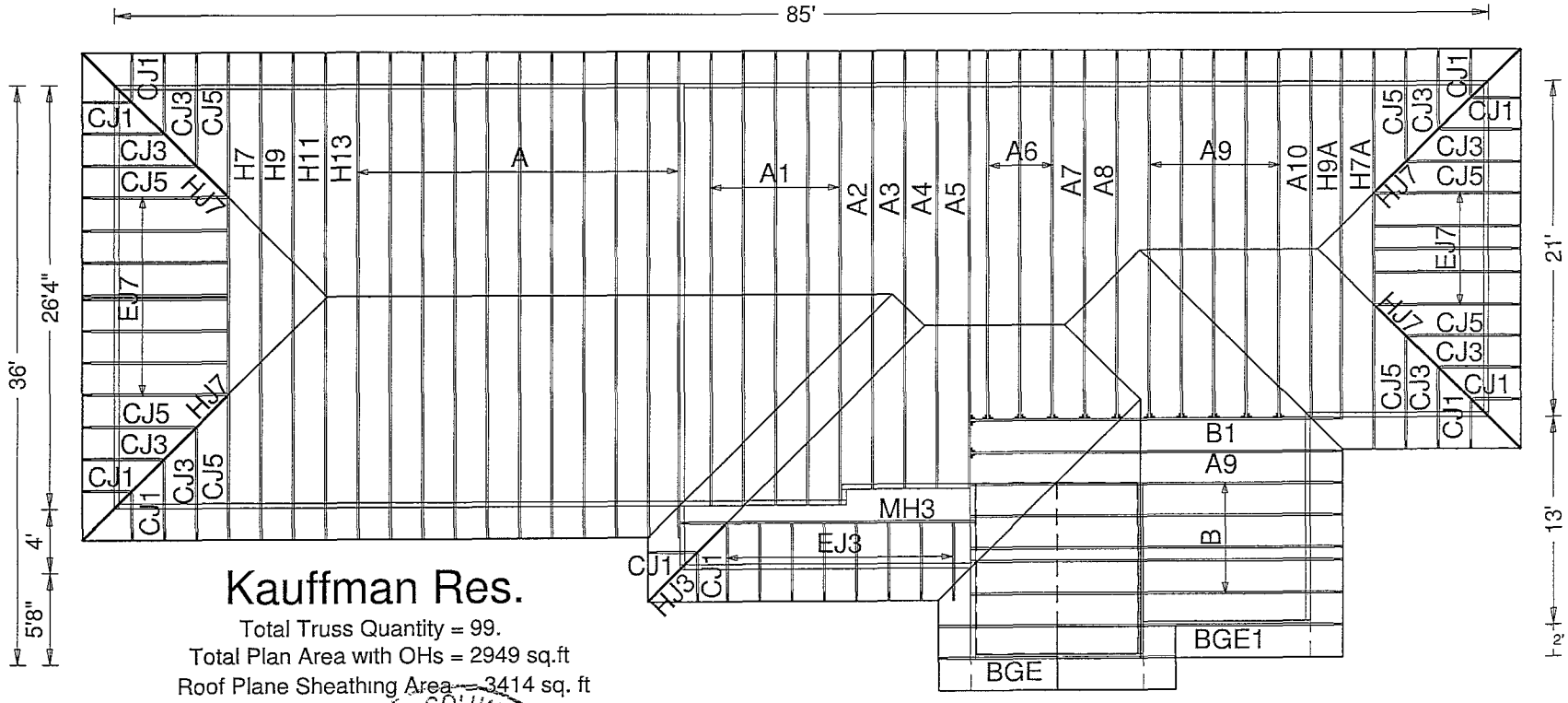
ITW Bu ding Component Group I c a not be responsible for any deviation from ths drawing failure to bu d the tru in con orma ce w th ANSI/TPI 1 or for handling shipping instalation bracing of tru ses A ea on this drow ng or cover page stng this drawing indicates accep of profes onal engineer g re pon lb ty o ely for the de sign shown. The suitabilty and use drawing for any structu e the re ponsibi ty of the Bu ding Designer per ANSI/TPI 1 Sec 2 For more nformaton see t is jobs genera notes page and these web stes
ITWBCG: www twbcg com TPI www tp stora WT A: www sbc ndustry org ICC www ccsafe or

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/21/2013

MAX TOT LD 60 PSF

MAX SPACING

REF	GE WHALER
DATE	2/14/12
DRWG	GABRST100212



Kauffman Res.

Total Truss Quantity = 99.
Total Plan Area with OHs = 2949 sq.ft
Roof Plane Sheathing Area = 3414 sq. ft

PlanName
Created 08-20-2013

JOB DESCRIPTION BRYAN ZECHER / Kaufman Residence
ADDRESS 192 sagewood gln
JOB # 13-236
DESIGNER Jon Williams
SALESMAN Curt V Burlingame

JOB NO
13-236

PAGE NO
1 OF 1