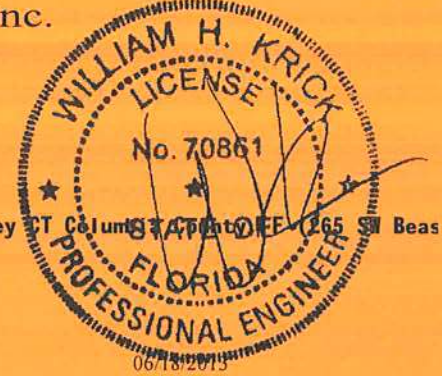


ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: IUX6487-Z0118152715



Truss Fabricator: **Anderson Truss Company**
Job Identification: **13-189--OWNER BUILDER Beasley Residence -- 265 SW Beasley CT Columbus, FL 32506**
Truss Count: **8**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Version 12.03.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC**
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 - 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: HCUSR487

William H. Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-14015EC1-GBLLETIN-

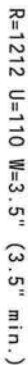
#	Ref	Description	Drawing#	Date
1	61373--A1	28'8" Common	13169001	06/18/13
2	61374--A2	28'8" Common	13169002	06/18/13
3	61375--B1	39'4" Common	13169003	06/18/13
4	61376--B2	39'4" Common	13169004	06/18/13
5	61377--C1	27' Common	13169005	06/18/13
6	61378--DGA	28'8" Gable	13169006	06/18/13
7	61379--DGB1	39'4" Gable	13169007	06/18/13
8	61380--DGC	27' Gable	13169008	06/18/13



130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.



Scale = .25"/Ft.

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

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

Tensunex requires extensive care in Fabricating, handling, shipping, installing and bracing. To ensure proper installation, please follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCIA) and all applicable building codes and practices prior to performing these functions. Installers shall provide temporary bracing prior to the installation of the final bracing. Unless noted otherwise, two chord shall have properly attached structural sheathing and bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall show bracing indicated per BCSI section 10.17 or B10, as applicable.

[TPI Building Components Group Inc. (TIBCGS) shall not be responsible for any deviation from this design. The design is intended to be used as a guide only. The user is responsible for the design. If any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or use of the truss results in a claim, the user shall be responsible for the claim. The user shall be responsible for obtaining all necessary permits for the design, drawing or cover page listing the drawing. The suitability and use of this design for any structure is the responsibility of the Building Designer. For more information see: This job's general notes page. TIB-GCS: www.tibcgcs.com; TPI: www.tpi.net.org; WTCIA: www.sbcindustry.com; GC: www.ticgate.org

Supporting documents include:

- Professional Engineer Seal: A circular seal for William H. Krick, State of Florida, License No. 70861, dated 12.03.04 to 08.26.14. The seal is stamped over the signature.

TC LL	20.0 PSF	REF R487-- 61373
TC DL	7.0 PSF	DATE 06/18/13
BC DL	10.0 PSF	DRW HCUSR487 13169001
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 315599
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UX6487_Z01

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

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

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

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

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



R=1074 U=91 W=3.5" (3.5" min.)

Scale = .25"/Ft.

ITW Building Components Group Inc.

06/18/2013

TC LL	20.0 PSF	REF R487-- 61374
TC DL	7.0 PSF	DATE 06/18/13
BC DL	10.0 PSF	DRW HCUR487 1316900
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 315611
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UX6487_Z01

Top	chord	2x4	SP_#1_12A
Bot	chord	2x4	SP_#1_12A
	Webbs	2x4	SP_#3_12A

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

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

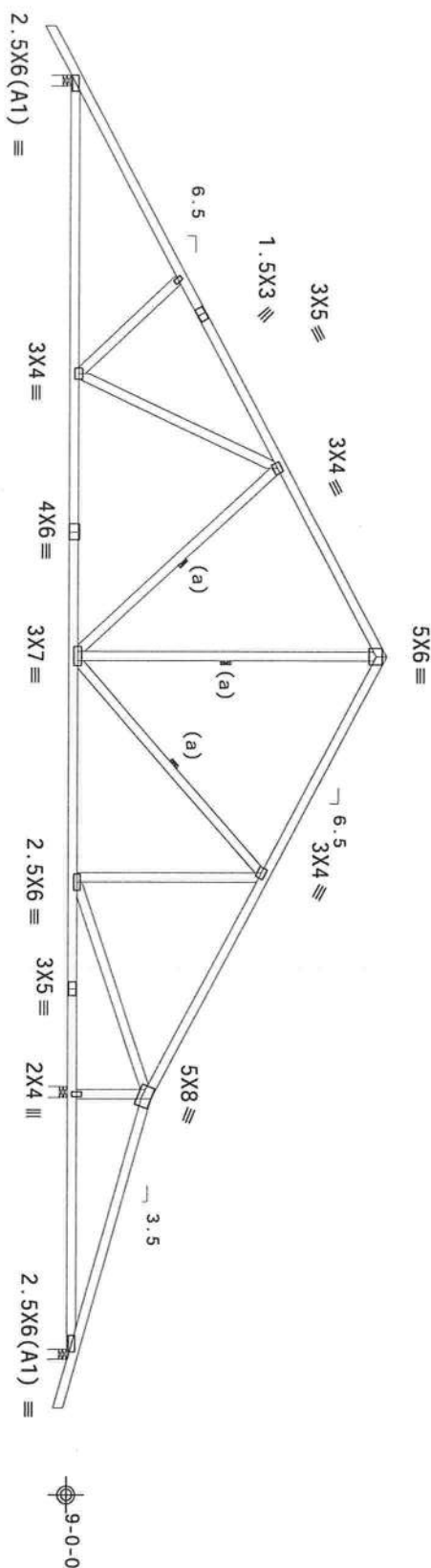
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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

(a) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load



9
 31-0-0
 17-9-10
 13-6-13
 8-4-0
 7-11-9
 39-4-0 Over 3 Supports
 R=1366 U=109 W=4" (4" min.)
 RL=190/-196
 WILLIAM H. KRIG
 LICENSE
 R=1686 U=124 W=4" (4" min.)
 R=366 U=40 W=

R=1686 U=124 W=4" (4" min.)
R=366 U=40 W=3.5" (3.5" min.)

PLT TYP. Wave

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

12.03.04. 708514 QT

FL/-/3/-/-/R/-

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278

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

These requirements came from building, handling, shipping, installing and bracing practices used in the current edition of BCSI's Building Component Safety Information, by TPI and WTA. The practices noted or to performing these functions. Installers shall provide temporary bracing for all chords not otherwise supported. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have the restraint installed per BCSI sections B3, B7 or B10, as applicable.

[illegible]

WILLIAM H. KRACK
LICENSE
NO. 70986
EXPIRATION DATE 12-03-04
STATE OF FLORIDA
PROFESSIONAL ENGINEER

06/18/2013

TC LL	20.0 PSF	REF	R487-- 61375
TC DL	7.0 PSF	DATE	06/18/13
BC DL	10.0 PSF	DRW	HCUSR487 13169003
BC LL	0.0 PSF	HC-ENG	WMK/WMK
TOT. LD.	37.0 PSF	SEQN-	315730
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UX6487_Z01

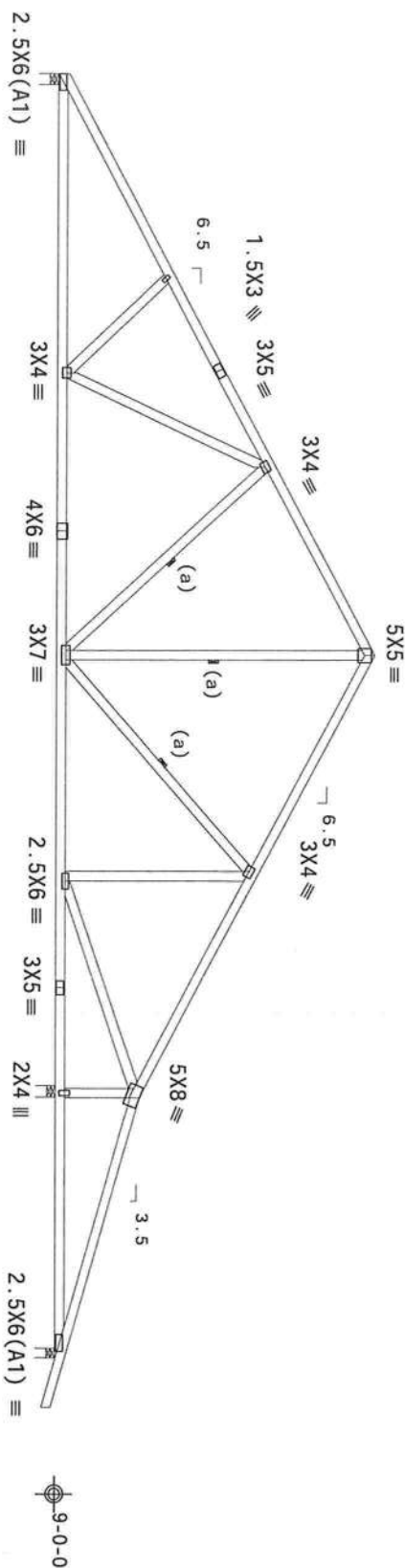
130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

(a) Continuous lateral bracing equally spaced on member.

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

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



R=1273 U=90 W=4" (4" min.)
 RL=179/-177
 31-0-0
 17-9-10
 39-4-0 Over 3 Supports
 13-6-13
 8-4-0
 7-11-9
 11-6-11
 R=2687 U=124 W=4" (4" min.)
 R=366 U=40 W=4" (4" min.)

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

No. 70861
12.03.04:0826.14 QTY

15 FL/-/3/-/-/R/-

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

****IMPORTANT****
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tensions require someone care in fabricating, bending, air-piping, installing and bracing. Follow the latest edition of DCS (Building Component Safety Information) by TPI and WTA for practices prior to performing these functions. Insulators shall provide temporary bracing post-tensioning cables or rods as required. 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 shall have bracing installed per DCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this specification, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or erecting 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 1604-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering

responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes, item: **17B1CCT**, www.tlfrone.com, **T01**, www.tlfrone.com, **WRTA**, www.ablindustrial.com

ICG: www.iccsafe.org

ports _____

WILLIAM H. KRUEGER
LICENSE
No. 70861
12.03.04.0126.14
STATE OF FLORIDA
PROFESSIONAL ENGINEER
QTY

TC LL	20.0 PSF	REF	R487-- 61376
TC DL	7.0 PSF	DATE	06/18/13
BC DL	10.0 PSF	DRW	HCSRA87 13169004
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	315738
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UX6487_Z01

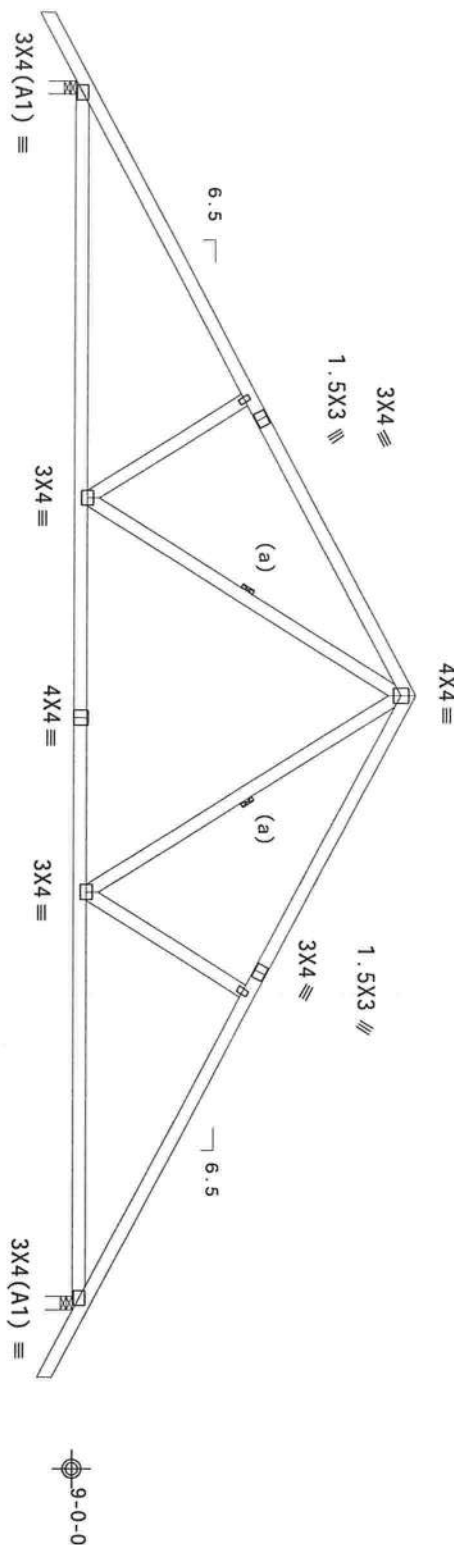
Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

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

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=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.
(a) Continuous lateral bracing equally spaced on member.
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
Bottom chord checked for 10.00 psf non-concurrent live load.



1-6-0
13-6-0
27-0-0 Over 2 Supports
13-6-0
1-6-0
R=1197 U=97 W=3.5" (3.5" min.)
RL=154/-154
R=1198 U=97 W=3.5" (3.5" min.)

PLT TYP. Wave

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

No. 70861
12.03.04.0826.14

FL/-/3/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Failure to follow the latest edition of BCSI (Building Component Safety Information, by TP1 and WTCA) recommendations for proper bracing and installation may result in structural failure. Trusses shall have a properly attached field ceiling and shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any failure to build the truss in conformance with ANSI/TP1-1, or for handling, shipping, installing, bracing or erecting. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 180A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, the signature and use of this design for any structure is void. This drawing is the property of ITWBCG. No part of this drawing may be reproduced without the written permission of ITWBCG. TP1: www.tp1inc.org; WTCA: www.wtcaindustry.com; ICC: www.icccan.org



TC LL	20.0 PSF	REF R487-- 61377
TC DL	7.0 PSF	DATE 06/18/13
BC DL	10.0 PSF	DRW HCUR487 13169005
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 315605
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UX6487_Z01

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. Gcpi(+/-)=0.18

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A14015ENC100212 & GBLETTIN0212 for more requirements.

Stacked top chord must NOT be notched or cut in area (NML). 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" Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-11-2010 BY 60322
UCBAW/STP/STP/STP/STP/STP

LICENSE

LICENSE

LICENSE

LICENSE

PUBLIC LICENSE

[illegible]

LICENSE

LICENSE

A circular stamp with the words "PUBLIC LICENSE" arranged in a circle around a central point. The stamp is oriented vertically.

LICENSE

LICENSE

[illegible]

A circular stamp with the words "PUBLIC LICENSE" arranged in a circle around a central point. The stamp appears to be from a library or archival collection.

LICENSE

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A
Stack Chord SC1 2x4 SP_#1_12A: Stack Chord SC2 2x4 SP_#1_12A:
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

(a) Continuous lateral bracing equally spaced on member.

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

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

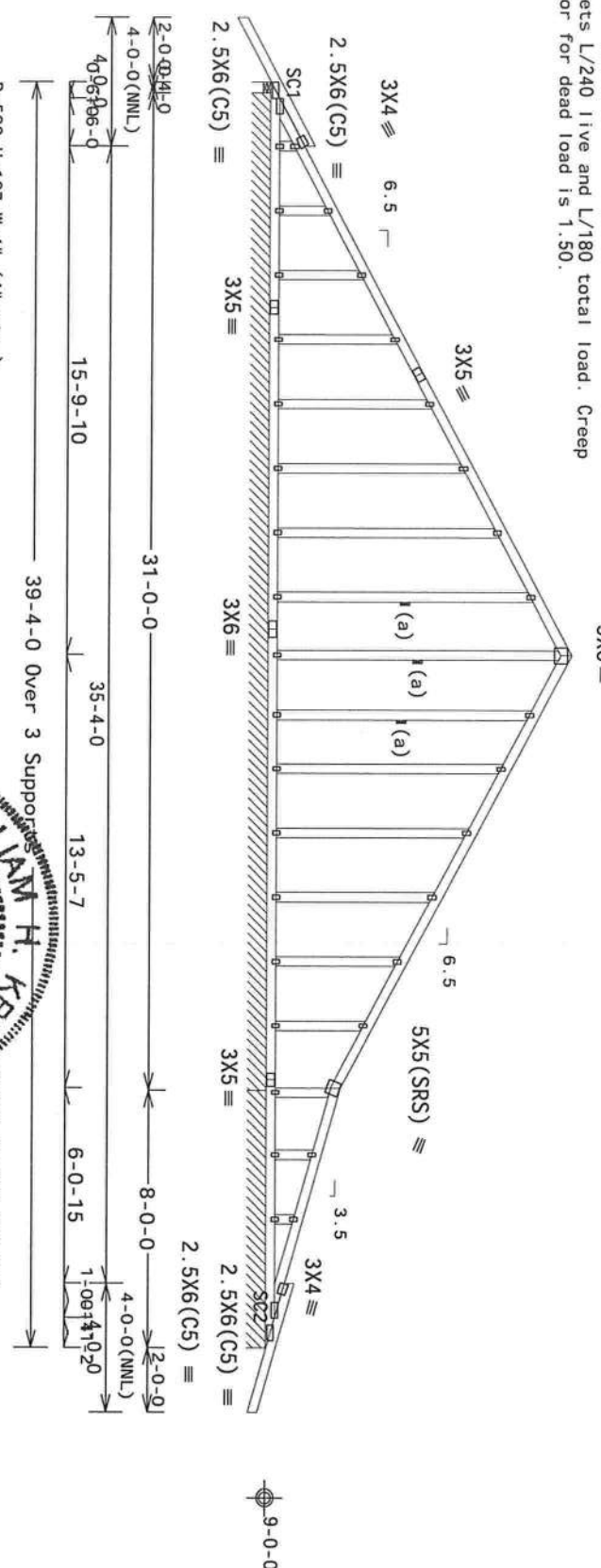
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

130 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=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.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A14015ENC100212 & GBLLETIN0212 for more requirements.

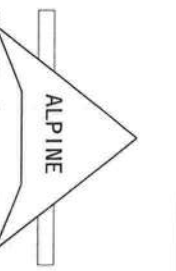
Stacked top chord must NOT be notched or cut in area (NML). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice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



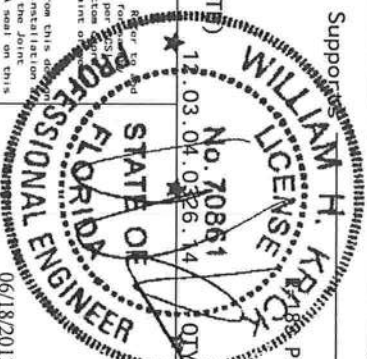
R=580 U=127 W=4" (4" min.)
RB=360/Pk4U=19 PLF W=31-0-0

Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP. Wave



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for detailed instructions prior to performing truss functions. Installers shall provide temporary bracing per BCSI instructions. Trusses shall be braced in accordance with BCSI instructions. Trusses shall have a properly attached rigid ceiling. Trusses 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, the suitability and use of this design for any structure is the responsibility of the designer. For more information see: This Job's general notes page: TPI: www.tpi-inc.org; WTC: www.structure.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF R487-- 61379
TC DL	7.0 PSF	DATE 06/18/13
BC DL	10.0 PSF	DRW HCUR487 13169007
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 315621
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UX6487_Z01

Scale = .1875"/Ft.

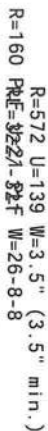
130 mph wind, 15.00 ft mean ht, ASCE 7-10, CLOSED bridg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GpI(+/-)=0.18

Truss space at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A14015ENC100212 & GBULLETIN0212 for more requirements.

Stacked top chord must NOT be notched or cut in area (N/L). Dropped (SC) top chord braced at 24" o.c. intervals. Attach stacked top chord to dropped top chord in noticable 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 noticable area using 3x6.

using 3x6.



PLT TYP. Wave

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

No. 70861
12.03.04.0326.14

QTY

FL/-/3/-/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc

Haimes City, FL 33844
FL COA #0 278

****IMPORTANT**** FINISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Tenuses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI, unless noted otherwise. Ten chord shall have properly attached structural sheathing and bottom chord 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. If any deviation is required, it shall be approved in writing by ITWBCG. If any deviation is required, the bracing of Tenuses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings T60A-2 for standard plate positions. A seal on this drawing or cover page lacking this drawing, indicates acceptance of professional engineering the responsibility of the Building Designer per ANSI/TPI-1 and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI-1.

General notes apply: ITW-BCG: www.landing.com; TPI: www.tpi.net; WCA: www.bcsiindustry.com; CC: www.ccsa.org

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

IC LL	20.0 PSF	REF	R487-- 61380
TC DL	7.0 PSF	DATE	06/18/13
BC DL	10.0 PSF	DRW	HCSUR487 13169008
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEON-	315629
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UX6487 Z01

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.

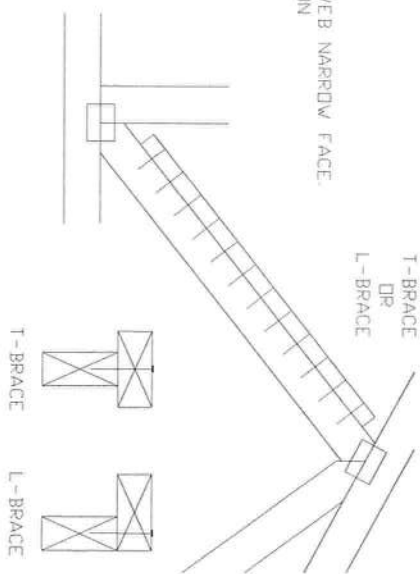
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 DR 2X4	1 ROW	2X4	1-2X4
2X3 DR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

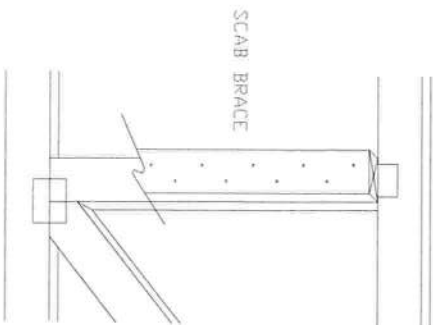
T-BRACING OR L-BRACING:

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



Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow BCSI Building Component Safety Information, by TPI and WCA for safety practices when performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all bracing shall be properly attached structural panels and bottom chord shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. Trussing Components Group Inc. (TTCG) shall not be responsible for any deviation from the design or failure to build as designed. TTCG Connector plates are made of 2018/1650 1/4x5/8x15/16 grade 316/60 (or 7/16x5/8) galv. steel. Apply plates to each face of truss, positioned as shown above and on joint details. This design is a guide only. The engineer is responsible for the design of the building. Building is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. This component for any TTV-BG: www.tvcgroup.com, TPI: www.tpi.com, WCA: www.wcaindustry.com, ICC: www.iccsafe.org



TTC LL	PSF	REF	CLB SUBST.
TTC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TDT, LD	PSF		
DUR, FAC,			
SPACING			

Gable Stud Reinforcement Detail

Dr.	120 mph	Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Dr.	120 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Dr.	100 mph	Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

Group A:

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

Douglas Fir-Larch

#3	
Stud	
Standard	

Southern Pine***

#3	
Stud	
Standard	

Group B:

Hem-Fir	
#1	8 Str
#1	

Douglas Fir-Larch	
#1	
#2	

Southern Pine***	
#1	
#2	

1x4 Braces shall be SGRB (Stress-Rated Boards).

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

Gable Truss Detail Notes:

Wind load deflection criterion is $L/240$.

Provide uplift connections for 55 pcf over continuous bearing (5 psf TC Dead Load)

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

So Pine lumber design values based on the ALSC January, 2012 ruin

Attach 1" braces with 10d (0.128"x3.0" min) nails

* For (1) 1" 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' oc.
in 18" and zones and 6" at buttress 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"	2.5x4
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Greater than 11' 6"	3x4
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- + Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions.

not addressed by this detail.

REF	ASCE7-10-GABI4015
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DATE 2/14/12

DRWG A14015FNC10021

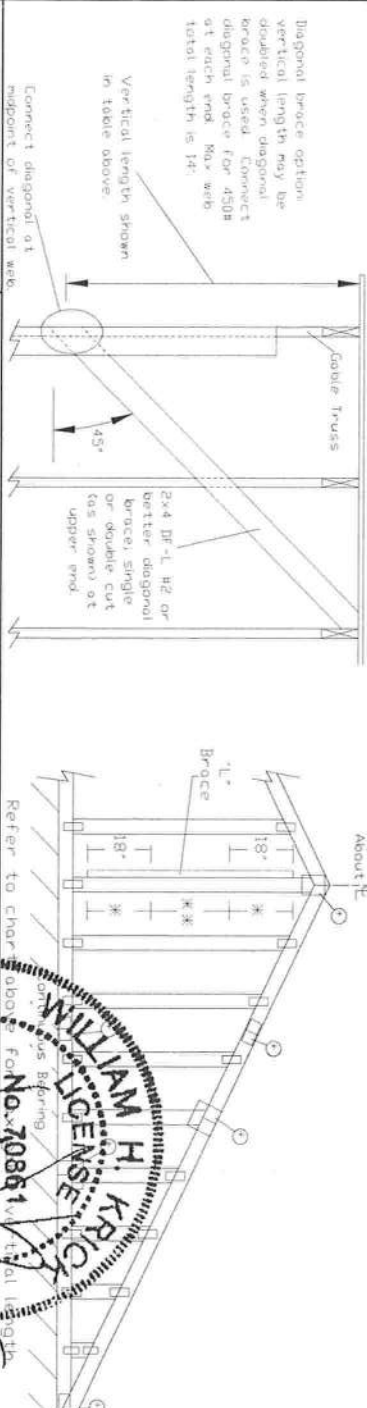
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100

L.D. 60 PSF

1000000

NG 24.0"



Building Components Group Inc.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing. Value to build the Truss in Conformance with ANSI/TPI 1, or for handling, shipping, installation & professional inspection and approval. The Contractor shall be responsible for the design, engineering, drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec2. For more information see this job's general notes page and those and other drawings. www.itwbcg.com www.tpi.com www.ansi-tpi.org ICC www.iccsafe.org

06/18/2013

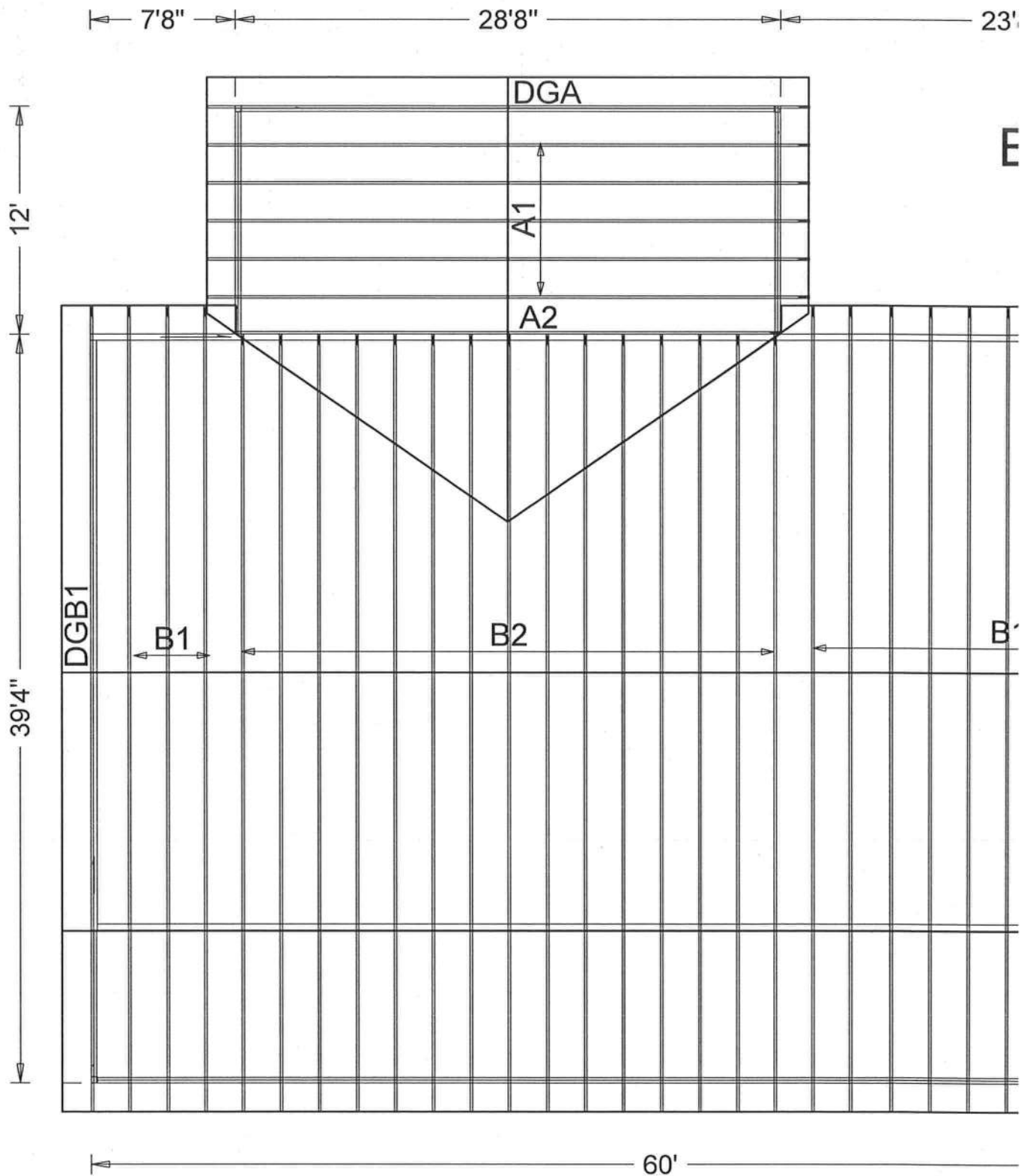
Less than 4' 0"	1x4 or 2x3
Greater than 4' 0", but less than 11' 6"	2x4
Greater than 11' 6"	3x4

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

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

8th

REF	ASCE7-10-GABI4015
DATE	2/14/12
DRWG	A140ISENC100211
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"



Total Plan Area with OHs = 3650 sq.ft

Total Truss Quantity = 49.