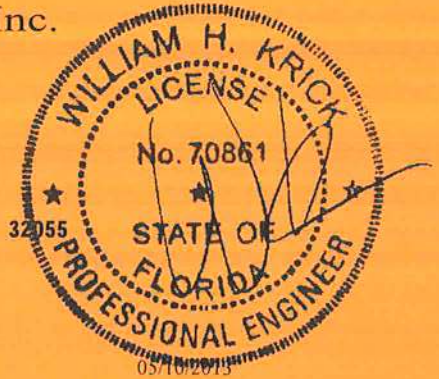


73

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: I UW3487-Z0210062828



Truss Fabricator: **Anderson Truss Company**
Job Identification: **12-276A--Little & Williams Smith Res -- Lake City, FL 19**
Truss Count: **19**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Version 12.03.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC**
Address: **Roof - 37.0 PSF @ 1.25 Duration**
Minimum Design Loads: **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-12015EC1-GBLLETIN-GABRST10-

#	Ref	Description	Drawing#	Date
1	17085-AV1	40' Common G	13130006	05/10/13
2	17086-AV2	35'5"8 Common	13130004	05/10/13
3	17087-AV3	40' Common G	13130007	05/10/13
4	17088-FG1	3'10"14 Flat	13130005	05/10/13
5	17089--A	30' Common	13130011	05/10/13
6	17090--A1	30' Common	13130021	05/10/13
7	17091--A2	40' Common	13130008	05/10/13
8	17092--AGE	30' Gable	13130009	05/10/13
9	17093--AGE1	30' Gable	13130010	05/10/13
10	17094--A3	30' Common	13130022	05/10/13
11	17095--AV	40' Common	13130012	05/10/13
12	17096--AV4	40' Common	13130013	05/10/13
13	17097--B	24' Common	13130014	05/10/13
14	17098--B1	24' Common	13130015	05/10/13
15	17099-B2	23'8"8 Common	13130016	05/10/13
16	17100--BGE	24' Gable	13130017	05/10/13
17	17101--C	14' Common	13130018	05/10/13
18	17102--C1	14' Common	13130019	05/10/13
19	17103--CGE	14' Gable	13130020	05/10/13



Negative reaction(s) of -217# MAX. (See below) From a non-wind load case requires uplift connection.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind BC DL=5.0 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

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

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

Shim all supports to solid bearing.

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



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

12.03.04: 082614

FL/-/6/-/-/R/-

Scale = .1875"/Ft

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

[illegible]

The seal of the State of Florida Professional Engineer is visible in the bottom right corner. It is a circular emblem with the text "STATE OF FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom. In the center, there is a five-pointed star.

TC LL	20.0 PSF	REF	R487-- 17086
TC DL	7.0 PSF	DATE	05/10/13
BC DL	10.0 PSF	DRW	HCU5R487 13130004
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	13394
DUR. FAC.	1.25	FROM	CYB
SPACING	24.0"	JREF-	1UW3487 Z02

Webs 2x4 SP_#3__12A

2012 by ALSC

requires uplift connection.

0 psf. $G_{Cpi}(+/-)=0.18$

loads and re

Continuous lateral bracing

or for dead load is 1.50

all supports

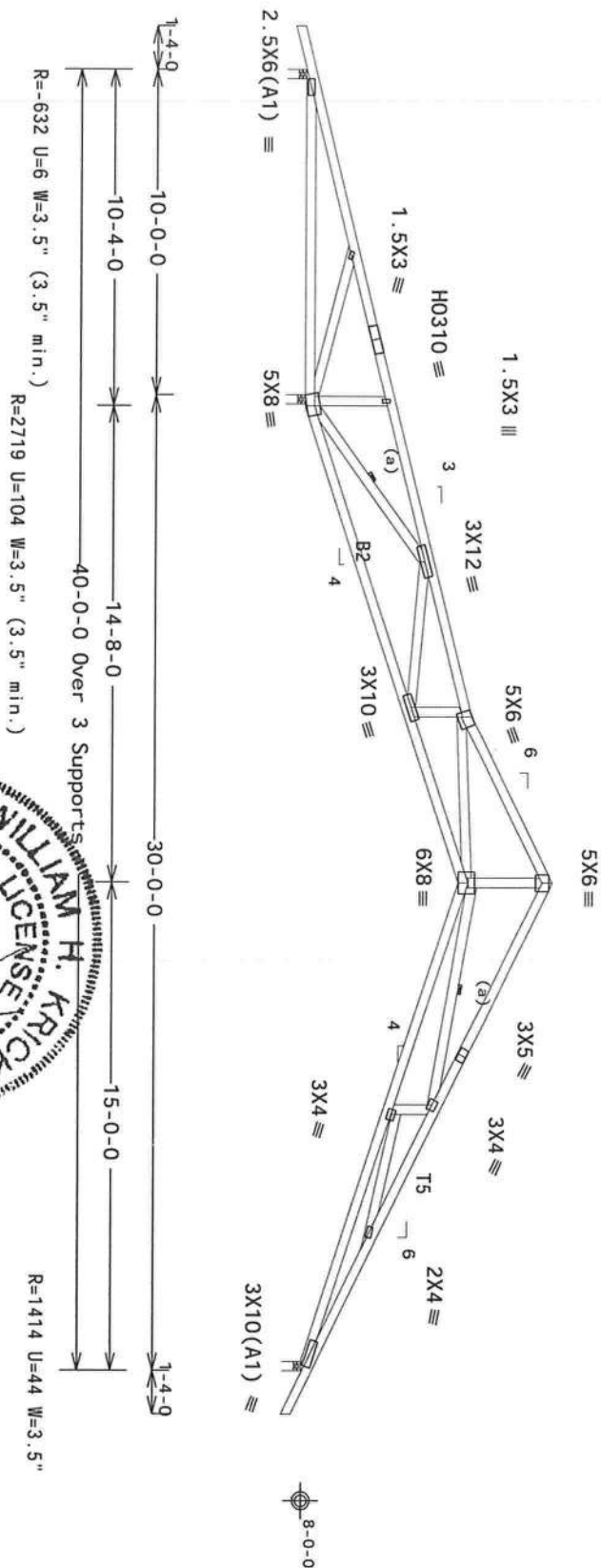
----- (Lumber

TC- 542.35

due to dead

Bottom chord

to dead load



Gauge HS, Wave

FT/RT=10%(0%)/0(0)	12.03.04.0126.14

FL/ -/6/ -/ -/R/ -

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

ICC: www.iccnate.org

0-19010015

TC LL	20.0 PSF	REF R487-- 17087
TC DL	7.0 PSF	DATE 05/10/13
BC DL	10.0 PSF	DRW HCURSR487 13130007
BC LL	0.0 PSF	HC-ENG AP/AP
TOT.LD.	37.0 PSF	SEQN- 13405
DUR.FAC.	1.25	FROM CVB
SPACING	24.0"	JREF- 1UW3487_Z02

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

-----	(Lumber	Dur.	Fac.=1.25 /	Plate	Dur.	Fac.=1.25)
TC-	From	54 pif	at 0.00	to	54 pif	at 3.91
BC-	From	20 pif	at 0.00	to	20 pif	at 3.91
BC-	802.26	1b Conc.	Load at	1.97		

Truss must be installed as shown with top chord up



Design Crit: FBC2010Res/TP1-2007(Std)

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

12.03.04.0826.14

95

FL/-/-6/-/-/R/-/-

Scale = .5"/Ft.

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

Nail Schedule: 0.131"x3", min. nails

Top Chord:	1 Row	@ 12.00" o.c.
Bot Chord:	1 Row	@ 7.50" o.c.
Web:	1 Row	@ 4" o.c.

Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

120 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. GCpl(+/-)=0.18

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

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

Turkey, requiring extreme care in fabricating, handling, shipping, installing and bracing. Inspectors shall have a working knowledge of the design and construction of steel joists and follow the latest edition of DCSI (Building Component Safety Information) by TPI and WCA practices prior to performing those functions. Insulators shall provide temporary bracing procedures for all roof joist connections. Insulators shall ensure that all roof joist connections are welded unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid soiling. Locations shown for permanent lateral restraint shall have bracing installed per DCSI sections A3, B7 or B10, as applicable.

[illegible]

05/10/2013

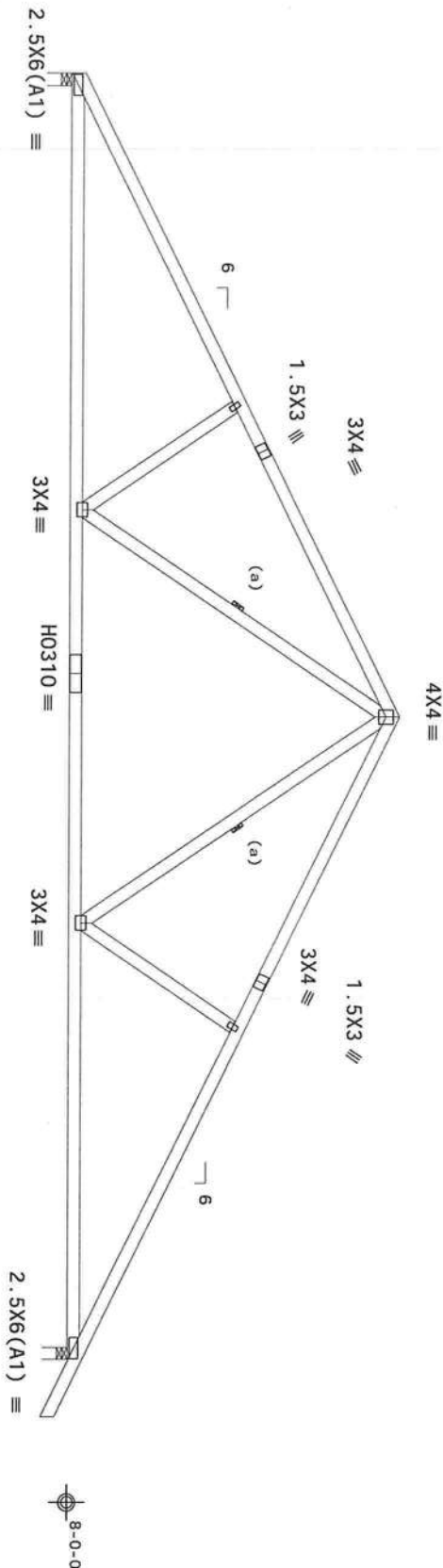
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TC DL	7.0 PSF	DATE 05/10/13
BC DL	10.0 PSF	DRW HCUSR487 13130005
BC LL	0.0 PSF	HC-ENG AP/AP
TOT. LD.	37.0 PSF	SEQN- 13403
DUR. FAC.	1.25	FROM CVB
SPACING	24.0"	JREF- 1UW3487_Z02

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.

(a) Continuous lateral bracing equally spaced on member.
Bottom chord checked for 10.00 psf non-concurrent live load.

120 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, GCpf(+/-)=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.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 20 Gauge HS, Wave

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

No. 70861
03.04.03.14

FL/-6/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

****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 the latest edition of BCSI (Building Component Survey Information, by TPI and WTC) for instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI instructions. Trusses shall be braced in accordance with the instructions shown 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 the design shown, the suitability and use of this design for any structure is the responsibility of the designer. The designer shall provide the appropriate general notes per the general notes page. ITW-BCSI: www.bcsinfo.org; WTC: www.wtcinfo.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R487--	17089
TC DL	7.0 PSF	DATE	05/10/13	
BC DL	10.0 PSF	DRW	HCSR487	13130011
BC LL	0.0 PSF	HC-ENG	AP/AP	
TOT. LD.	37.0 PSF	SEQN-	13387	
DUR. FAC.	1.25	FROM	CVB	
SPACING	24.0"	JREF-	1UW3487_Z02	

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

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

(a) Continuous lateral bracing equally spaced on member.

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

Wind loads and reactions based on MWFRS 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.

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



Design Crit: FBC2010Res/TP1-2007 (STP)

12.03.04.0326.14 QT

QTY: 5 FL/-/6/-/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

[illegible]

WILLIAM H. KRICK
LICENSE
NO. 70851
EXPIRATION DATE 12-03-04
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R487 - 17090
TC DL	7.0 PSF	DATE	05/10/13
BC DL	10.0 PSF	DRW	HCUSR487 13130021
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN -	13388
DUR.FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF -	1UW3487_Z02

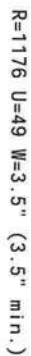
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCp1(+/-)=0.18

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

See DWGS A12015ENC100212, GBLETTIN0212, & GABRST100212 for more requirements.

See DWGS A12015ENC100212, GBLETTIN0212, & GABRST100212 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load



4)

Design Crit: FBC2010Res/TP1-2007(Std)

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

12.03.04:0826.14 QTY

FL/-/6/-/-/R/-

Scale = .1875"/Ft.

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278

[illegible]

05/10/2013

TC LL	20.0 PSF	REF	R487-- 17091
TC DL	7.0 PSF	DATE	05/10/13
BC DL	10.0 PSF	DRW	HCSR487 13130008
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	13389
DUR. FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF-	1UW3487_Z02

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A
Stack Chord SC1 2x4 SP #1_12A:

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

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

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

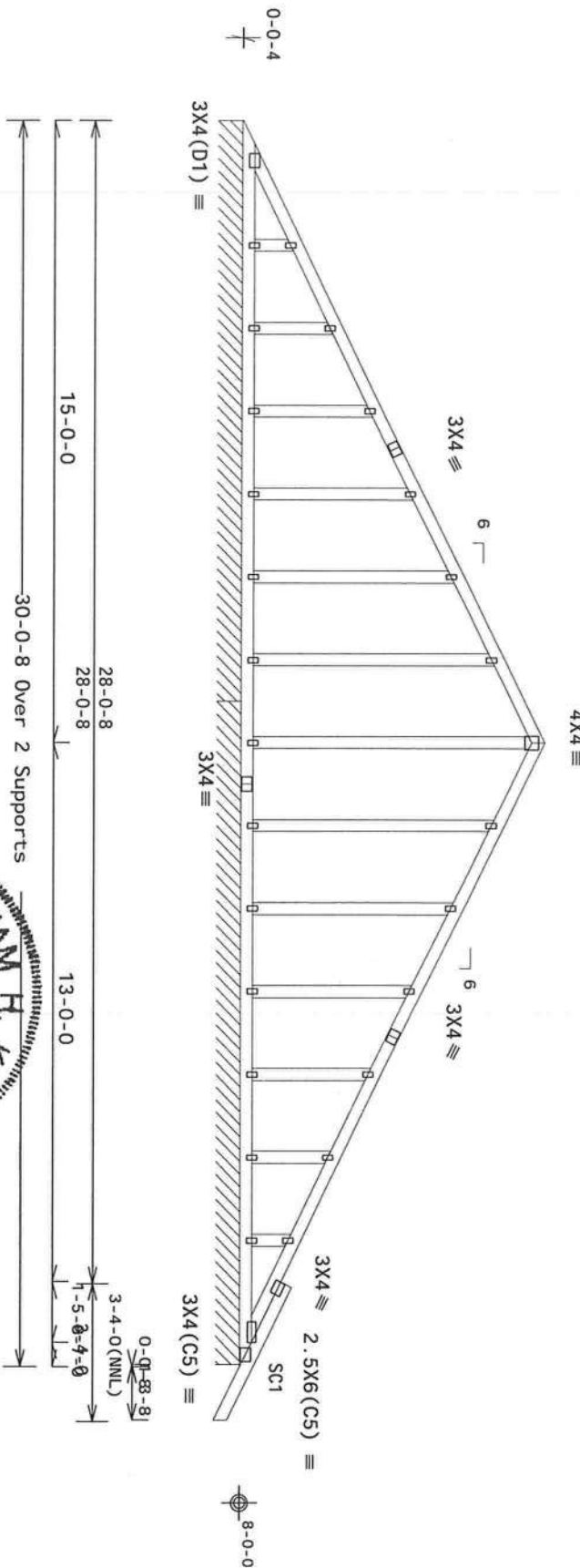
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 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.

Gable end supports 8" max rake overhang.

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 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.



R=76 PLF U=5 PLF W=14-0-0
RL=8/-8 PLF

R=81 PLF U=1 PLF W=16

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TP1-2007 (STD)

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

12.03.04.0826.14

05/10/2013

FL/-6/-/-R/-

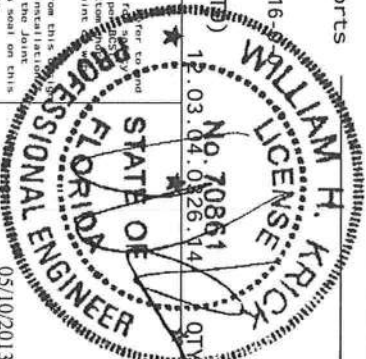
Scale = .25" / Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For truss erection, the latest edition of BCS (Building Component Safety Information, by TPI and WDA) shall be used. Trusses shall be erected in accordance with the erection instructions. Trusses shall have a properly attached rafter ceiling. Locations shown for permanent lateral resistance shall have bracing installed per BCS 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/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-2 for standard plate positions. A seal on this drawing or cover page reflecting this drawing, indicating acceptance of professional engineering is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. Use for more information, this job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.org; WDA: www.wdaindustry.com; ICC: www.iccsafe.org



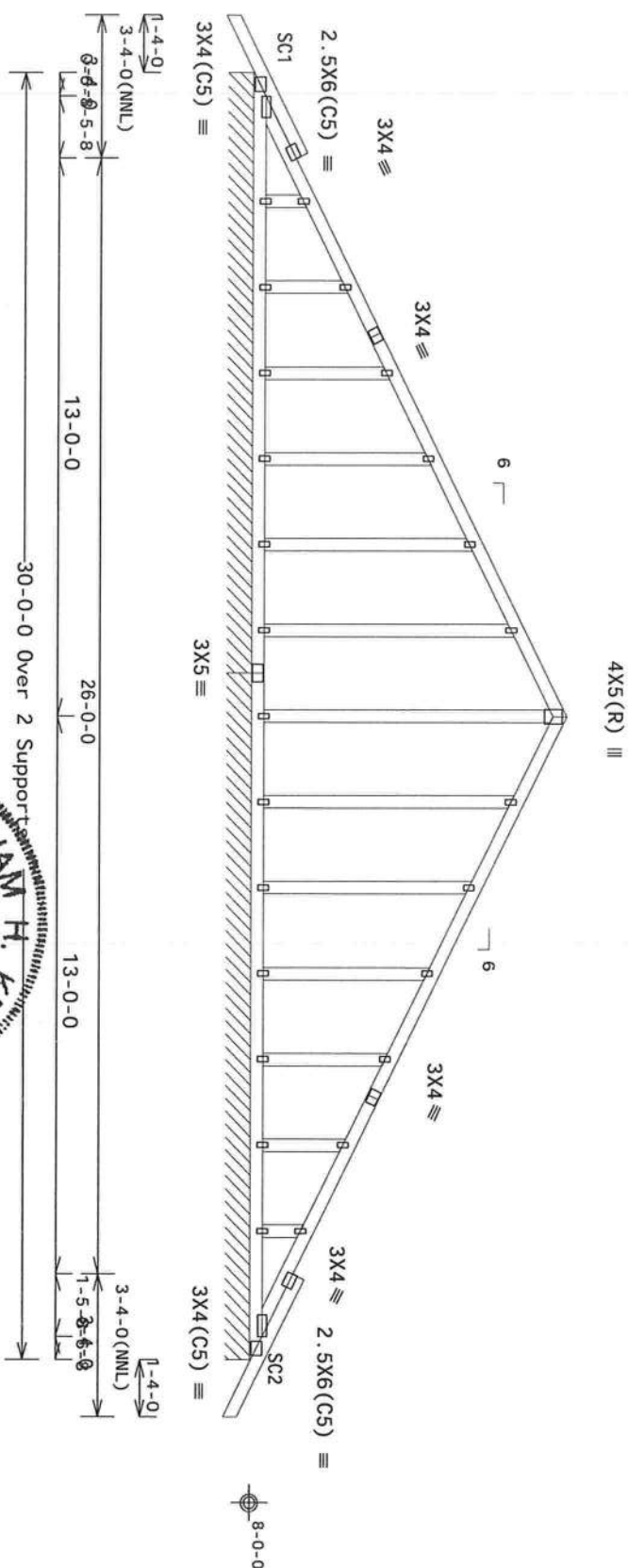
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TC DL	7.0 PSF	DATE	05/10/13	
BC DL	10.0 PSF	DRW	HCSR487	13130009
BC LL	0.0 PSF	HC-ENG	AP/AP	
TOT. LD.	37.0 PSF	SEQN-	13391	
DUR. FAC.	1.25	FROM	CVB	
SPACING	24.0"	JREF	1UW3487_Z02	

120 mph w/d., 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. $G_{CPI}(-/-)=0.18$

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

Gable end supports 8" max rake overhang.

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 (to dropped top chord) in noticable area using 3x6 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.



BC2010Res/TP1-2007 (STB)
FT/RT=10%(0%)/0(0)

No. 70861
12.03.04.0326.14

QTY

FL/-/6/-/-/R/-

Scale = .25"/Ft

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

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

Trussco, requires extensive care in fabricating, handling, shipping, installing and bracing. To follow the latest edition of BCSP (Building Component Safety Information, by TPI and UTCA) practices noted above, Top Chord shall have properly attached structural sheathing and bottom chord bracing. Trussco, requires extensive care in fabricating, handling, shipping, installing and bracing installed per BCSP sections B3, D7 or B10, as applicable.

17W Building Components Group Inc. (17WBCG) 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 Details, unless noted otherwise. Refer to drawings T004-2, position as shown above and on the Joint Drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. Per ANSI/TPI 1 Sec.2. For more information visit: This job's general notes page: 17W-BCG: www.17wbcg.com; TPI: www.trussco.org; UTCA: www.utcadesign.com

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12582
J. L. Smith

TC LL	20.0 PSF	REF	R487 -- 17093
TC DL	7.0 PSF	DATE	05/10/13
BC DL	10.0 PSF	DRW	HCUSR487 13130010
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	13392
DUR.FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF-	1UW3487_Z02

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A
W3 2x4 SP #1_12A

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

Calculated horizontal deflection is 0.52" due to live load and 0.71" due to dead load.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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 B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

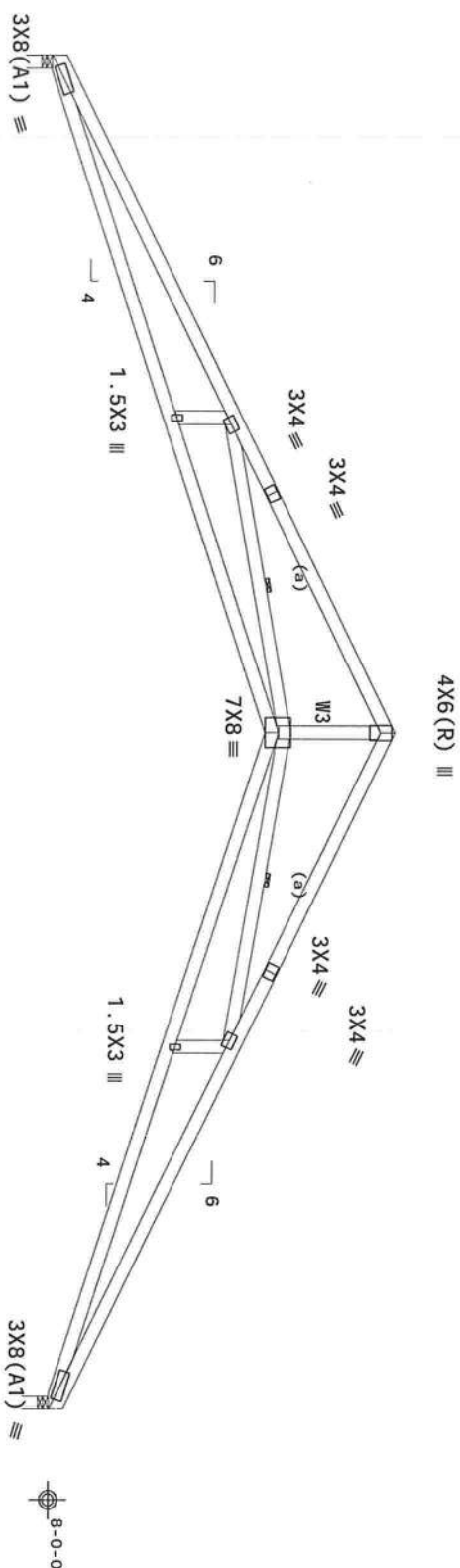
Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

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

Calculated vertical deflection is 0.62" due to live load and 0.86" due to dead load at X = 15'-0"-0.

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



15'-0'-0" 30'-0'-0" Over 2 Supports 15'-0'-0"

R=1151 U=0 W=3.5" (3.5" min.)

PLT TYP. Wave

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

****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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for protection prior to performing these functions. Installers shall provide temporary bracing and bracing for the trusses. Trusses shall be braced and braced in accordance with the design drawing. 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 drawing or for any failure to build the truss in conformance with ASCE/TP1 1, or for handling, shipping, installing, 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 design shown. Indicate acceptance of professional engineering and stamp of the engineer. This drawing is the property of ITW Building Components Group Inc. and shall not be reproduced without written permission. ITW Building Components Group Inc. 12/03/04. 05/10/2013. This Job's general notes page: ITW-BCSI: www.bcsi.org WTC: www.wtcstructural.com TPI: www.tpiinc.org IBC: www.icbc.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278



FL/-6/-/-/R/-

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R487--	17094
TC DL	7.0 PSF	DATE	05/10/13	
BC DL	10.0 PSF	DRW	HCSR487	13130022
BC LL	0.0 PSF	HC-ENG	AP/AP	
TOT. LD.	37.0 PSF	SEQN-	13390	
DUR. FAC.	1.25	FROM	CVB	
SPACING	24.0"	JREF-	1UW3487_Z02	

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

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

Calculated horizontal deflection is 0.20" due to live load and 0.37" due to dead load.

(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.

Negative reaction(s) of -493# MAX. (See below) from a non-wind load case requires uplift connection.

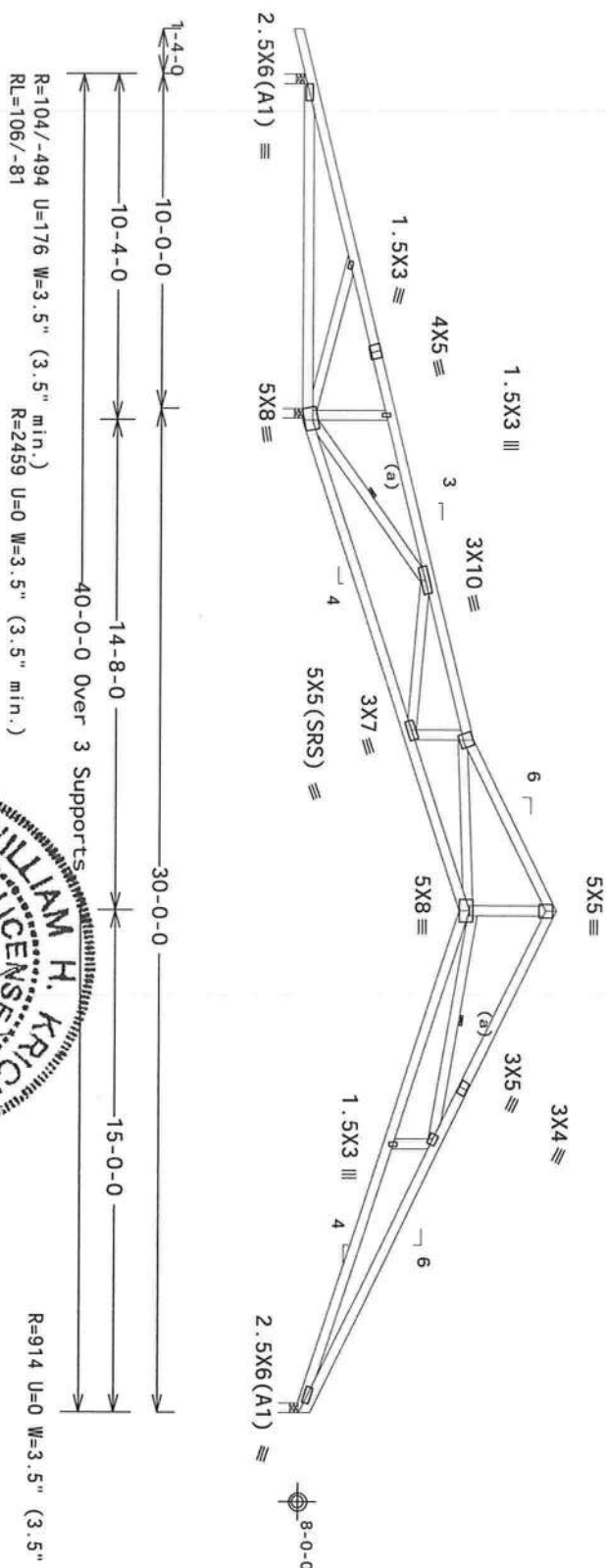
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

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

Bottom chord checked for 10.00 psf non-concurrent live load

Shim all supports to solid bearing.

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



PLT TYP. Wave

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

12.03.04. 708514 QT

FL/-/6/-/-/R/-

Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

[illegible]

Seal of the State of Florida Professional Engineer. The seal is circular with a double border. The outer border contains the text "WILLIAM H. KRACK" at the top and "LICENSE" at the bottom. The inner border contains "STATE OF FLORIDA" on the left and "PROFESSIONAL ENGINEER" on the right. In the center, there is a five-pointed star. To the right of the star, the text "12-03-94" and "7098014" are visible, indicating the expiration date and license number respectively. The seal is partially obscured by a vertical line and some handwritten text.

05/10/2013

TC LL	20.0 PSF	REF	R487-- 17095
TC DL	7.0 PSF	DATE	05/10/13
BC DL	10.0 PSF	DRW	HCUSR487 13130012
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	13393
DUR. FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF-	1UW3487_Z02

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

Negative reaction(s) of -520# MAX. (See below) from a non-wind load case requires uplift connection.

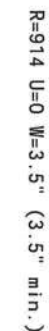
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

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

Bottom chord checked for 10.00 psf non-concurrent live load

Shim all supports to solid bearing.

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



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

No. 70861
12.03.04.0326.14

QTY:

FL/-/6/-/-/R/-

Scale = .1875"/Ft.

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

****IMPORTANT**** ANALYZE THIS DECISION TO ALL CONTRACTORS INCLUDING INSTALLERS.

Tuscoro requires extensive care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety Information, by TPI and WTCO) practices refered to performing these functions. Installers shall provide temporary bracing per BCSP, unless noted otherwise. Two chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSP sections B3, B7 or B10, unless noted otherwise.

1TR Building Components Group Inc. (1TRBCG) shall not be responsible for any deviation from this document. If a deviation is noted, the contractor shall be responsible for the deviation. In the event of any failure to build the truss in conformance with ANSI/TPI 1, or for any hand made alterations, the contractor shall be responsible for the alterations. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicating acceptance of professional engineering or the responsibility of the Building Designer per ANSI/TPI 1, 2, and 3, is a condition of this design for any structure is used.

General notes page: TPI-BCG; www.tlending.com; TPI: www.tpi.net; WTCO: www.abcindustry.com; CCC: www.cccsco.org

A circular professional engineer seal for William H. Krick, State of Florida, License No. 70861. The seal includes the text "WILLIAM H. KRICK", "LICENSE", "No. 70861", "STATE OF FLORIDA", "PROFESSIONAL ENGINEER", and "EXPIRES 12.03.04". There is a star at the top and a date stamp "05/10/2013" at the bottom left.

TC LL	20.0 PSF	REF	R487-- 17096
TC DL	7.0 PSF	DATE	05/10/13
BC DL	10.0 PSF	DRW	HCSR487 13130013
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEON-	13395
DUR. FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF-	1UW3487_Z02

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

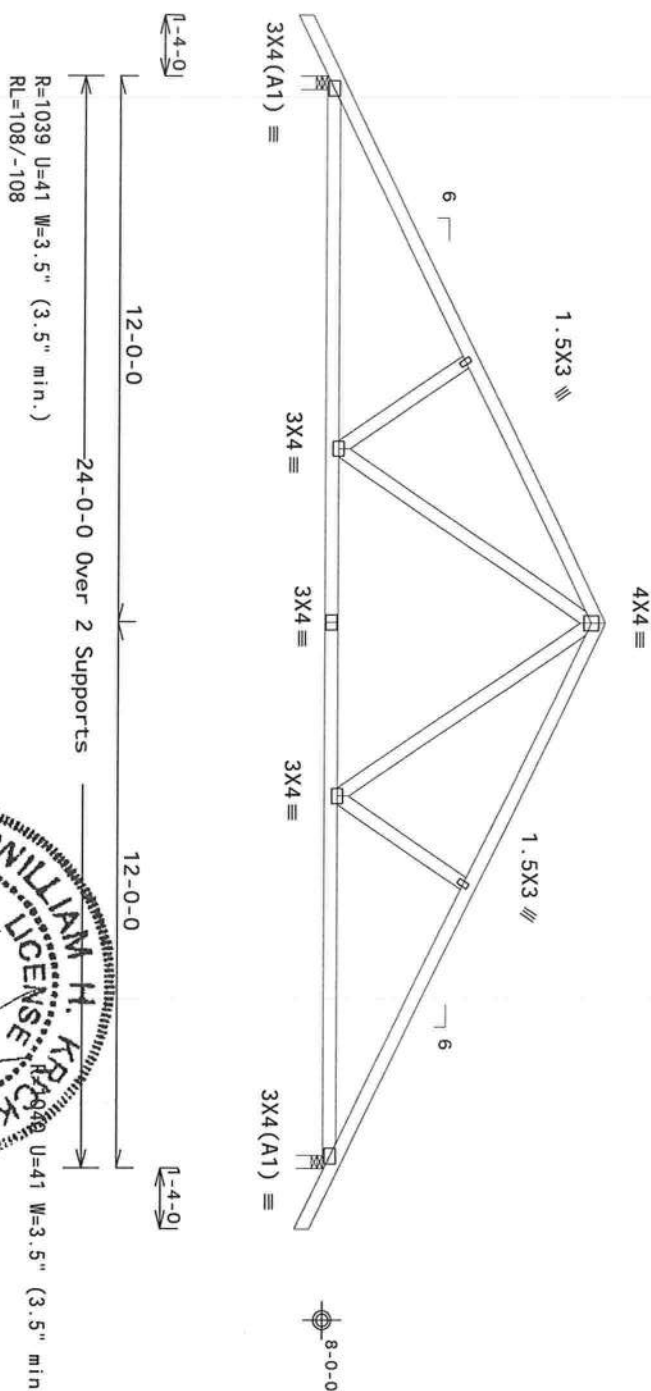
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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.



PLT TYP. Wave

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

No. 70867
12.03.04.0386.14

QTY

FL/-/6/-/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844
FL COA #0278

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

Trusswork requires extreme care in fabricating, handling, shipping, installing and bracing. No alterations or modifications are allowed without written approval from the manufacturer. Follow the latest edition of BCSI (Building Component Safety Information), by TPI and WTCIA for design practices prior to performing these functions. Installers shall provide temporary bracing per BCSI until all permanent bracing has been installed. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bracing for lateral restraint of the truss. Trusses shall have bracing installed per BCSI sections B3, D7 or D10, as applicable.

TPI Building Components Group Inc. (TIBCGO) shall not be responsible for any deviation from this design drawing. The user must ensure that the drawings comply with local building codes and regulations governing the bracing of trusses. It is the responsibility of the user to apply the appropriate code requirements and details, unless noted otherwise. Refer to drawings TD0A-2 for standard plans above and on the Joint Bracing and cover panel listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; TPI-BCSI; www.tibcgo.com; TPI - www.tpi.net.org; WTCIA: www.abnindustry.com; general notes page; TPI - www.tpi.net.org; WTCIA: www.abnindustry.com;

A circular professional engineer seal for William H. Krack, State of Florida, License No. 70861. The seal includes the text "WILLIAM H. KRACK", "LICENSE", "No. 70861", "12.03.04", "03.06.14", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER".

TC LL	20.0 PSF	REF	R487-- 17097
TC DL	7.0 PSF	DATE	05/10/13
BC DL	10.0 PSF	DRW	HCSR487 13130014
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	13396
DUR. FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF-	1UW3487_Z02

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.

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

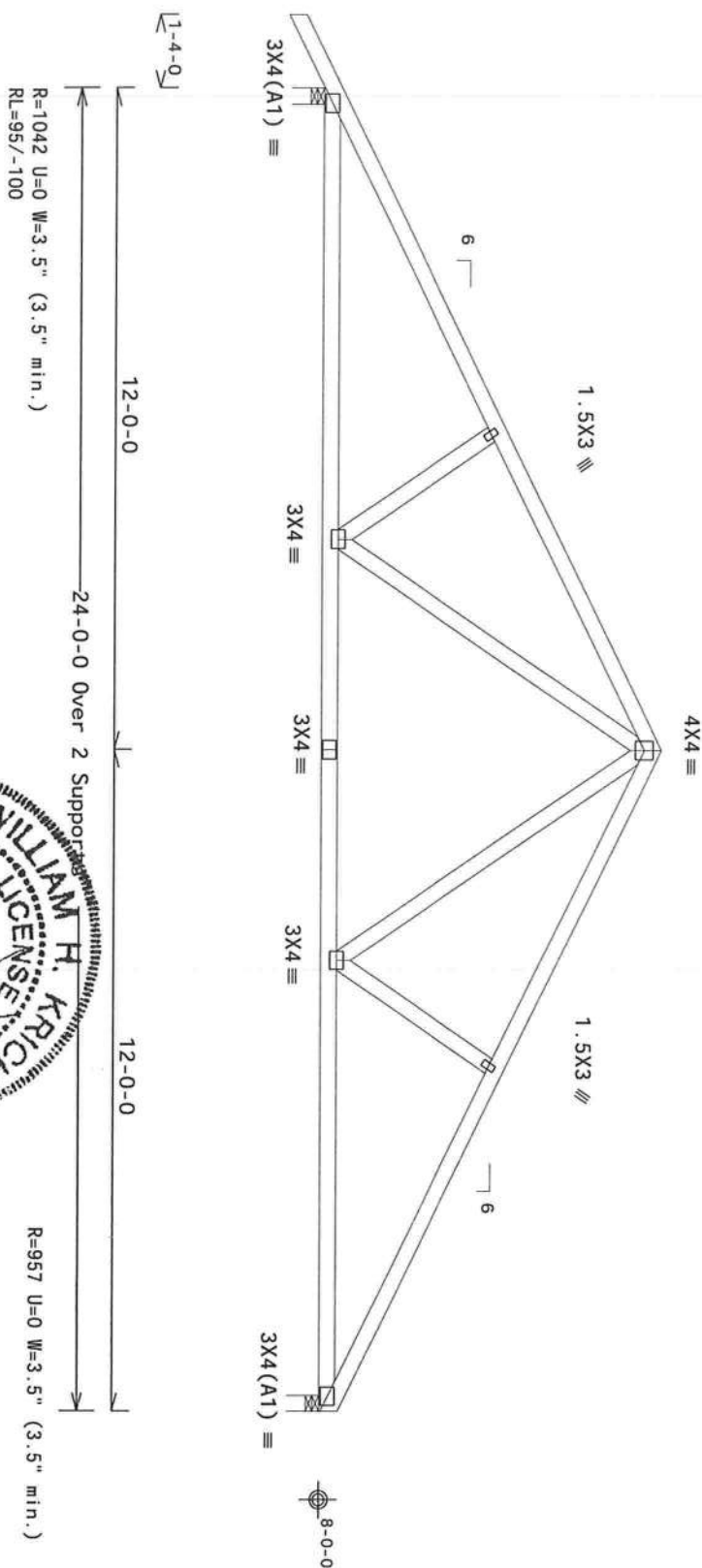
MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

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 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.



PLT TYP. Wave

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

No. 70861
12.03.04.0126.14

05/10/2013

FL/-/6/-/-/R/-

Scale = .3125"/Ft.

ALPINE

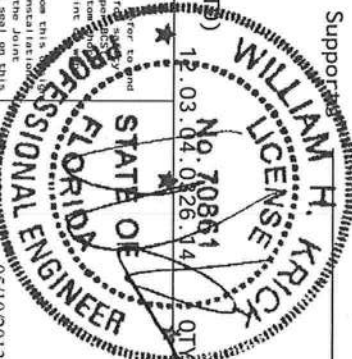
ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

****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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) recommendations. Truss manufacturers shall provide temporary bracing instructions. Truss manufacturers shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering details, unless noted otherwise. The availability and use of this design for any structure is the responsibility of the user. ITW Building Components Group Inc. is not responsible for the general applicability of this design. For more information, please contact ITW Building Components Group Inc. at 1-800-368-7777 or visit our website at www.itwbcg.com. TPI: www.tpinet.org; WTC: www.structure.com; IBC: www.icsafe.org



TC LL	20.0 PSF	REF R487-- 17098
TC DL	7.0 PSF	DATE 05/10/13
BC DL	10.0 PSF	DRW HCUSR487 13130015
BC LL	0.0 PSF	HC-ENG AP/AP
TOT. LD.	37.0 PSF	SEQN- 13397
DUR. FAC.	1.25	FROM CVB
SPACING	24.0"	JREF- 1UW3487_202

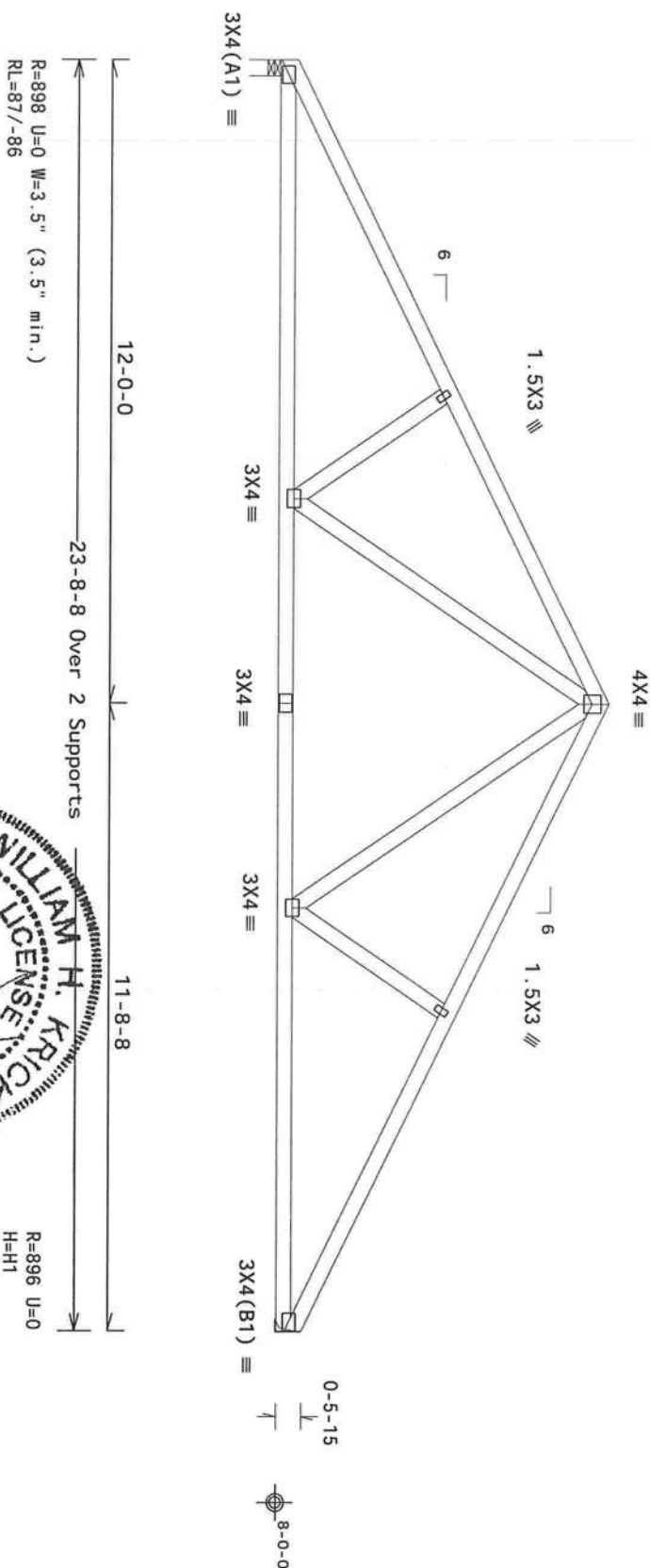
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

Bottom chord checked for 10.00 psf non-concurrent live load.
 MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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.



PLT TYP. Wave

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

No. 70861
12.03.04.0326.14

FL/-/-/6/-/-/-/R/-/-

Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

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

Therefore, the requirements are in fabricating, handling, shipping, installation and bracing for the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for bracing 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. Bracing shall be installed in accordance with BCSI unless noted otherwise. Bracing shall have bracing installed per BCSI sections D3, D7 or D10, 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 or bracing of trusses. Apply labels to each face of truss and position as shown above and on the label.

Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this

drawing or cover page listing this drawing. Indicates acceptance of professional engineering

responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's

general notes page: ITW-ECG: www.itwecg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com;

ICC: www.iccnato.org

ts
WILLIAM H. KRICK
LICENSE
No. 70861
12.03.04.0326.14
STATE OF FLORIDA
PROFESSIONAL ENGINEER
05/10/2025

TC LL	20.0 PSF	REF	R487-- 17099
TC DL	7.0 PSF	DATE	05/10/13
BC DL	10.0 PSF	DRW	HCSR487 13130016
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	13398
DUR. FAC.	1.25	FROM	CVB
SPACING	24.0"	JREF-	1UW3487_Z02

120 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.

Gable end supports 8" max rake overhang.

Stacked topchord 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.



Haines City, FL 33844
FL COA #0278

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for a

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 AISI/TPI 1 Sec.2. For more information see: This job's general notes page: ITB-BDO: www.itbdoj.com; TPI: www.tpinet.org; WTCA: www.abcdindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF R487 -- 17700
TC DL	7.0 PSF	DATE 05/10/13
BC DL	10.0 PSF	DRW HCUR487 131300717
BC LL	0.0 PSF	HC-ENG AP/AP
TOT. LD.	37.0 PSF	SEQN- 13399
DUR. FAC.	1.25	FROM CVB
SPACING	24.0"	JREF- 1UW3487 Z02

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

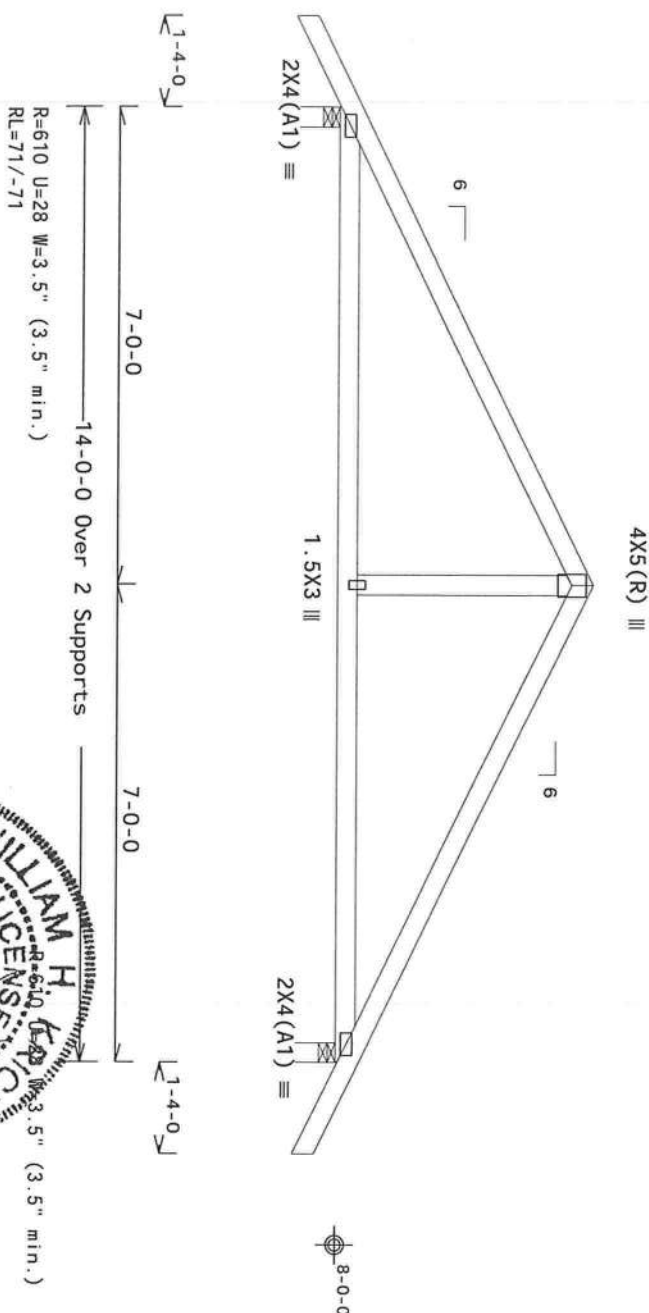
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 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, GCP(+/-)=0.18

Wind loads and reactions based on MMFRS 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.



PLT TYP. Wave

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

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCS (Building Component Safety Information, by TPI and WTCA) for proper bracing instructions. Installers shall provide temporary bracing in accordance with the BCS instructions. Trusses shall be braced in accordance with the BCS instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per BCS sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the drawing or cover page listing this drawing, indicates acceptance of professional engineering design or construction of the truss system. The user of this design for any structure is the responsibility of the user. ITWBCG shall not be responsible for any deviation from the general notes page: ITW-BDG: www.itecra.org; TPI: www.tpinet.org; WTCA: www.structure.com; ICC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278



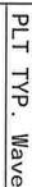
FL/-/6/-/6/-/				Scale = .375" / Ft.	
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TC DL	7.0 PSF	DATE	05/10/13		
BC DL	10.0 PSF	DRW	HCUSR487 13130018		
BC LL	0.0 PSF	HC-ENG	AP/AP		
TOT. LD.	37.0 PSF	SEQN-	13400		
DUR. FAC.	1.25	FROM	CVB		
SPACING	24.0"	JREF-	1UW3487_Z02		

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

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 B, wind TC DL=3.5 psf wind BC DL=5.0 psf, GCpl(+/-)=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 increases factor for dead load is 1.50.



12.03.04.0826.14 QTY

Scale = .5"/Ft.

R=530 U=17 W=3.5" (3.5" min.)

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

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

Trimmers requiring care in fabricating, handling, shipping, installing and bracing follow the latest edition of BCSI's (Building Component Safety Information, by TPI and MICA) practices prior to performing those functions. Installers shall provide temporary bracing 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 BCSI section B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from

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 60A-2 for standard plate positions. A seal on this side.

drawing or coverage 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 AISI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-DCO: www.1ctbdf.com; TPI: www.tpinet.org; WTCA: www.stcindustry.com; IBC: www.iccnate.org

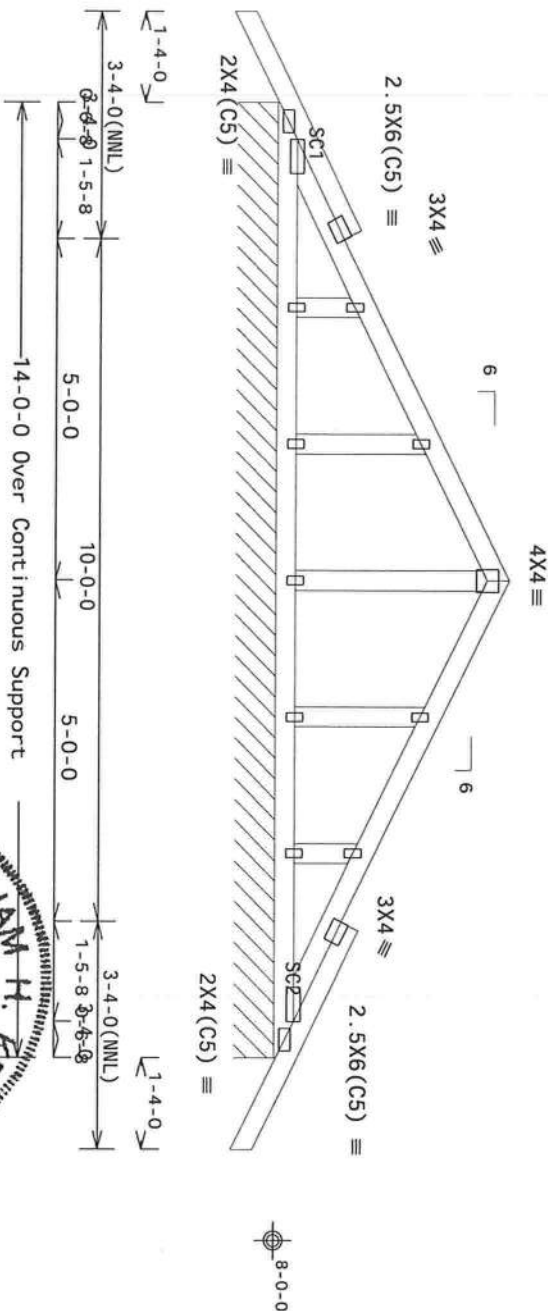
TC LL	20.0 PSF	REF	R487--	17102
TC DL	7.0 PSF	DATE	05/10/13	
BC DL	10.0 PSF	DRW	HGUSR487	13130019
BC LL	0.0 PSF	HC-ENG	AP/AP	
TOT. LD.	37.0 PSF	SEQN-	13401	
DUR. FAC.	1.25	FROM	CVB	
SPACING	24.0"	JREF-	1UW3487_Z02	

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.

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 notched 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 notched area using 3x6.

120 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=9.0 psf, GCP1(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
See DWGS A12015ENC100212, GBLLET10212, & GABRST100212 for more requirements.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=87 PLF U=4 PLF W=14-0-0
RL=5/-5 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STB)

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

12.03.04.03.06.14

FL/-/6/-/R/-

Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Components Safety Information, by TPI and WTCN) for proper practices prior to performing these functions. Installers shall provide temporary bracing per BCSI instructions. Trusses shall have a properly attached rigid ceiling. Trusses shall have bracing installed per BCSI sections 83, 87 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or 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-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility for the design shown. The applicability and use of this design for any structure is the responsibility of the user. For more information see: This Job's general notes page: ITW-BCSI: www.bcsinfo.com; TPI: www.tpiinc.org; WTCN: www.wtcnindustry.com; IBC: www.internationalbuildingcode.org



TC LL	20.0 PSF	REF R487-- 17103
TC DL	7.0 PSF	DATE 05/10/13
BC DL	10.0 PSF	DRW HCUSR487 13130020
BC LL	0.0 PSF	HC-ENG AP/AP
TOT. LD.	37.0 PSF	SEQN- 13402
DUR. FAC.	1.25	FROM CVB
SPACING	24.0"	JREF- 1UN3487_202

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.

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.

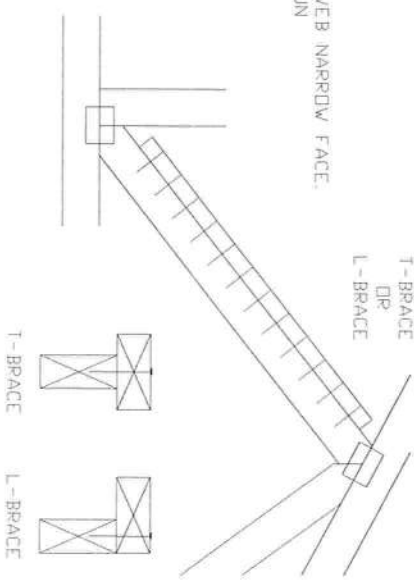
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE SCAB BRACE
2X3 OR 2X4 2X3 OR 2X4	1 ROW 2 ROWS	2X4 2X6	1-2X4 2-2X4
2X6 2X6	1 ROW 2 ROWS	2X4 2X6	1-2X6 2-2X4(*)
2X8 2X8	1 ROW 2 ROWS	2X6 2X6	1-2X8 2-2X6(*)

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

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

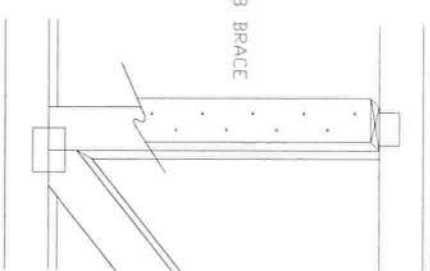
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 100 BOX DR GUN
0.128" x 3" MIN NAILS.
AT 6" OC.
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



APPLY SCABS TO WIDE FACE OF WEB
NID MORE THAN (1) SCAB PER FACE.

BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



Building Components Group Inc.

Earth City, MO 63045

• VARNING • READ AND FOLLOW ALL NOTES ON THIS SHEET!

Installers require extensive core in fabricating, handling, shipping, installing and bracing. Refer to Volume BCS1 (Building Component Safety Information, B3, IPI and MICA) for safety practices and to purchasing these functions. Installers shall provide temporary bracing per BCS1. Unless not properly attached and tied ceiling, location shown for bracing and location chord shall be bracing installed per BCS1 sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR

THE BUILDING COMPONENTS GROUP, THE (TBCG) 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. TBCG connector plates are made of 2018/1604 A/PL/ST/ASTM A653/grade 30/24/60 A/PL/MSD galv. steel. Apply bolts to each face of truss, positioned as shown above on Joint Details.

A seal on the drawing or cover page indicates acceptance and professional engineering responsibility solely for the trust 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.

May 10 '13

05/10/2013

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

ASCE 7-10: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_z t = 1.00$

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

Bracing Group Species and Grades

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

Group B:	
Douglas Fir-Larch #3 Stud Standard	Southern Pine*** #3 Stud Standard

Group B:	
Hem-Fir #1 & Str #1	Southern Pine*** #1 #2

***For 1x4 S4 Pine use only Industrial S5 or Industrial 43 Stress-Noted Boards. Group B values may be used with these grades.

1x4 Braces shall be SBR (Stress-Rated Boards)

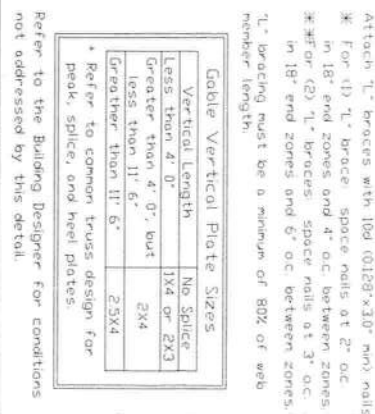
Gable Truss Detail Notes:

Wind Load deflection criterion is L/240

Provide uplift connections for 35 psf over continuous bearing (5 psf IC Dead Load).

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

1x Pine lumber design values based on the AISC January, 2012 values



†Fusslers, the latest crane in fabrication, hoisting, shoring, installing and bracing. Refer to and follow the latest edition of ECIS, Fabricating Component Safety Information, by IPI and MTA for procedures prior to performing these functions. Installers shall provide temporary bracing per ECIS unless noted otherwise. Top chord shall have properly attached structural shoring and bottom chord shall have a properly installed par ECIS ceiling. Locations shown for permanent lateral rest of webs shall have bracing installed per ECIS sections 33, B7 or B10, as applicable. Apply plates to ends of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-Z for standard plate positions.

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MAX. IDI, LD. 60 PSI
MAX. SPACING 24.0"

1

Diagram illustrating a roof truss system with various components and connections:

- SYN / ABOUT**: Ridge beam.
- Gable Vents Length Typ**: Rafters.
- Purlins**: Horizontal members supporting the roof.
- Connections**: Marked with circled plus signs (+) and circled asterisks (*).
- Legend**:
 - Refer to a minimum plot
 - Refer to splice, w
 - * If gable single plic the over
 - Exmpl

Refer to appropriate ITW gable detail for minimum plate sizes for vertical studs.

- ④ Refer to Engineered truss design for peak, splice, web, and heel plates.

(*) If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example



Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

100 COMMON 0.148 x 3.7mm Nails at 4" o/c
(4) nails in the top and bottom chords

Toenailed Nails

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate ITW gable detail for ASCE wind load.

ASCE 7-98 Gable Detail Drawings

A13015980109, A12015980109, A11015980109, A10015980109,

A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 Mobile Detail Drawings

A13015020109, A12015020109, A11015020109, A10015020109, A14015020109,

AI3030020109, AI2030020109, AI1030020109, AI0030020109, AI4030020109

ASCE 7-05 Gable Detail Drawings

A13015050109, A12015050109, A11015050109, A10015050109, A14015050109,

A13030050109, A12030050109, A11030050109, A10030050109

ASCE 7-10 Gable Detail Drawings

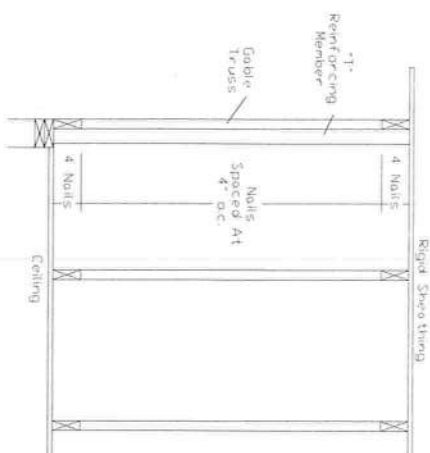
AI1515ENC100212, AI2015ENC100212, AI4015ENC100212, AI6015ENC100212

A18015ENC100212, A20015ENC100212, A20015ENC100212, A20015ENC100212, A20015ENC100212

A11530ENC100212, A12030ENC100212, A14630ENC100212

[illegible]

See appropriate ITW cable detail for maximum unreinforced length.



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A circular professional engineer seal for the State of Florida. The outer ring contains the text "STATE OF FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The center of the seal features a stylized graphic of a sun rising over a body of water with a bridge in the background.

REF	LET-IN VERT
DATE	2/16/12

DATE 2/16/12

DRAWG GBLETTIN0212

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

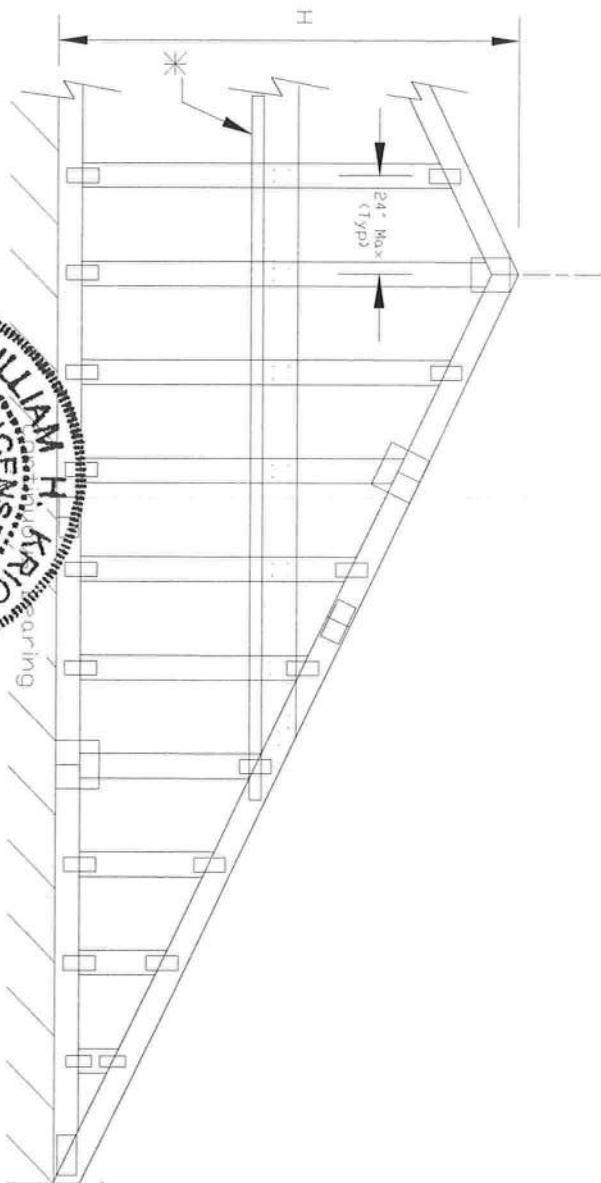
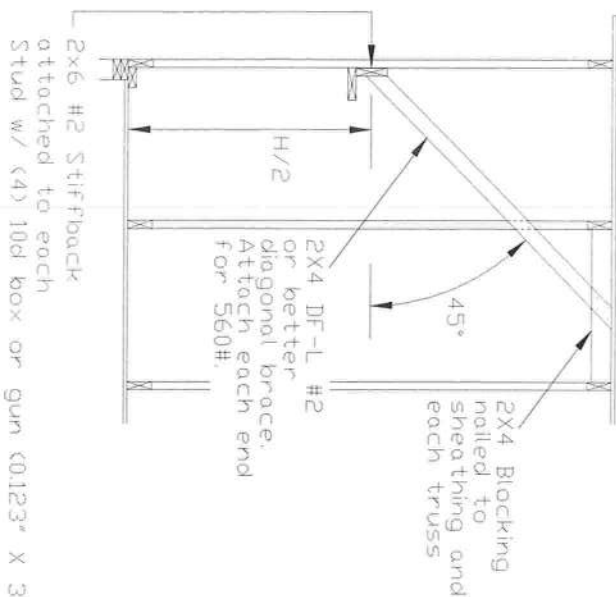
MAX. SPACING 24.0'

120 mph, 30 ft. Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30 ft. Mean Hgt, ASCE 7-10, Enclosed, Exp D, or
100 mph, 30 ft. Mean Hgt, ASCE 7-10, Part, Enclosed, Exp C
Kzt = 1.00, Wind 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 referencing this detail for lumber, plates, and other information not shown on this detail.

Nails: 10d box or gun (0.128"x3",min) nails.



H Less than 4'6" - no stud bracing required

H Greater than 4'6" to 7'6" in length provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC10)

H Greater than 7'6" to 12'0" max:

provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC10).

* Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0.128" x 3", min.) nails @ 6" o.c.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING.
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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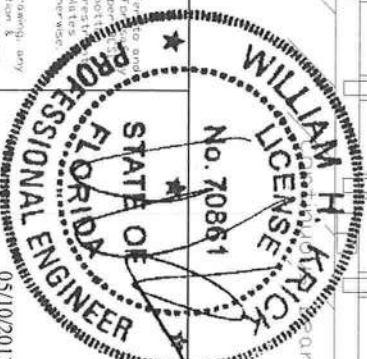
The Building Components Group Inc. shall not be responsible for any deviation from this drawing, or failure to build the truss in conformance with ANSI/TPI-1, or for handling, shipping, installation or bracing of trusses. A seal on this drawing or cover page listing this draughtsmatic's acceptance or professional engineering responsibility solely for the building shown. The satisfactory use and use of this drawing without a seal or stamp of approval by the draughtsmatic or engineer is hereby disavowed.

For more information, call the 800-769-2264 toll-free number or write to:

Building Components Group Inc., P.O. Box 1000, Vero Beach, FL 32978

For design consultation, call 800-769-2264 toll-free or write to:

Engineering Department, P.O. Box 1000, Vero Beach, FL 32978



May 10 '13

05/10/2013

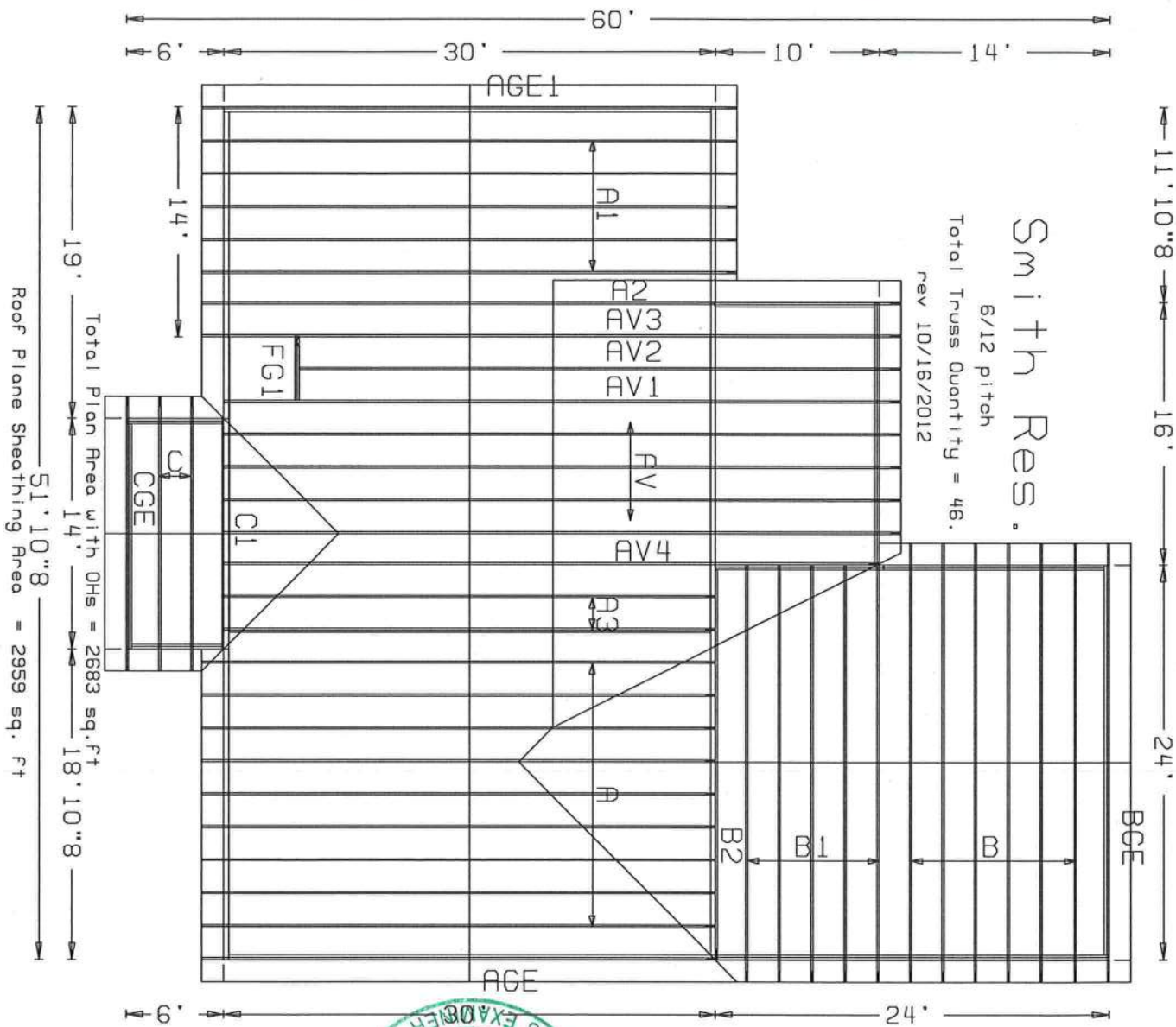
MAX. TOT. LD. 60 PSF

MAX. SPACING

REF GE WHALER

DATE 2/14/12

DRWG GABRST100212



Smith Res.
6/12 pitch
Total Truss Quantity = 46.
rev 10/16/2012

Total Plan Area with Ohs = 2683 sq.ft
Roof Plane Sheathing Area = 2959 sq. ft



Location:
JOB DESCRIPTION:: Little & Williams
/: Smith Res.

JOB NO:
12-276A

PAGE NO:
1 OF 1

