

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - D)

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

Roof overhang supports 2.00 psf soffit load.

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

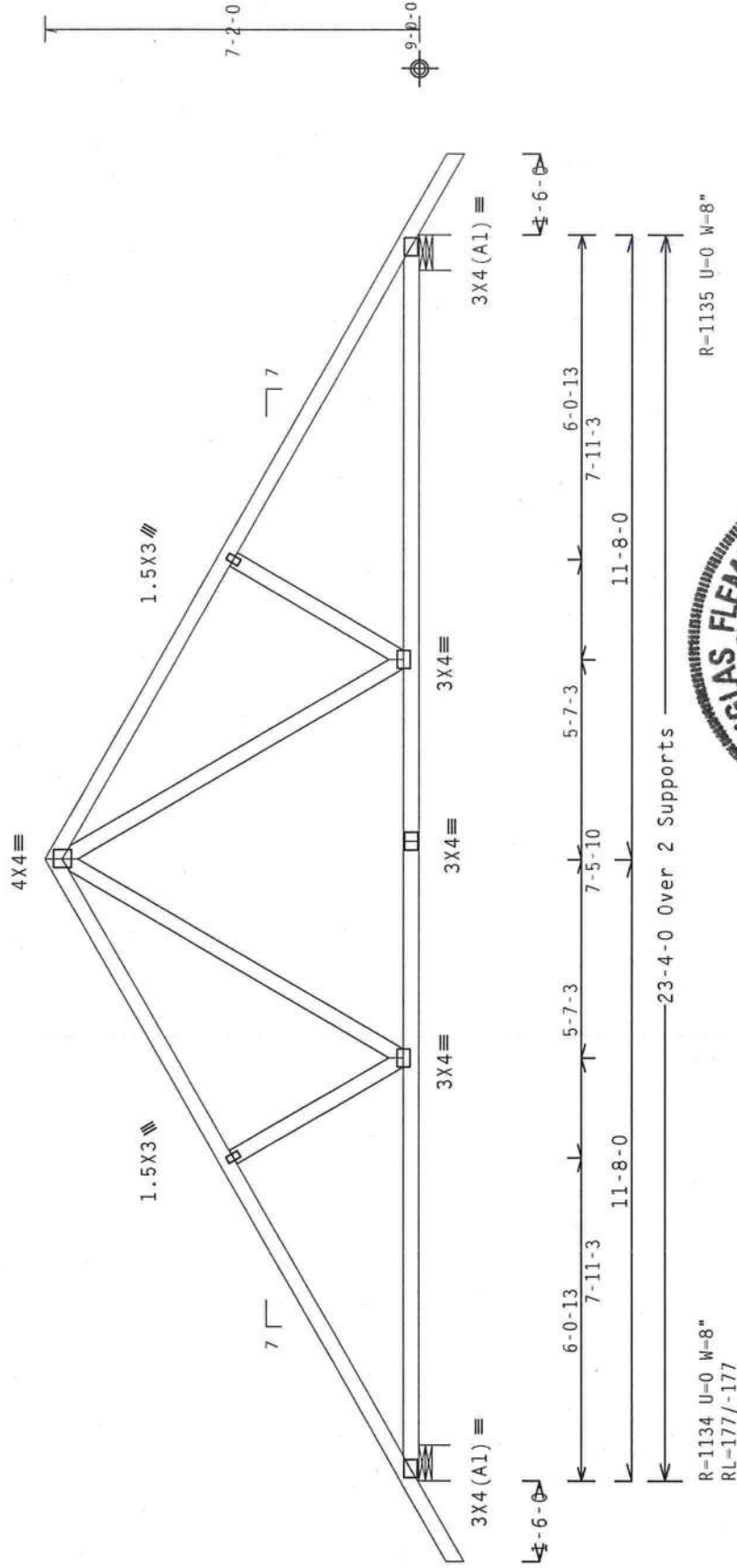
MFERS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg, not located within 9.00 ft from roof edge. CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCPI(+/-)-0.18

Wind loads and reactions based on MFERS 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.



R-1134 U-0 W-8
RL-177/-177

R-1135 U-0 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave
Scale = .3125"/Ft.
FL/- /4/- /- /R/-

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER		QTY: 10.08 .04 .06 Q. 1.16	TC LL 20.0 PSF	REF R487-- 78217
			TC DL 10.0 PSF	DATE 01/02/12
			BC DL 10.0 PSF	DRW HCUSR487 12002031
			BC LL 0.0 PSF	HC-ENG DF/DF *
			TOT.LD. 40.0 PSF	SEQN- 256664
			DUR.FAC. 1.25	
			SPACING 24.0"	JREF- 1UIB487_Z01

ALPINE
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. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and KICA) for best 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 bracing installed per BCSI sections B3, B7 or B10, as applicable.
TTC Building Components Group Inc. (TTCBCG) shall not be responsible for any deviation from this drawing. Any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing 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 is required. This drawing is the property of TTCBCG and shall not be reproduced without the written consent of TTCBCG. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: 11N-BG: www.tbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - E)

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

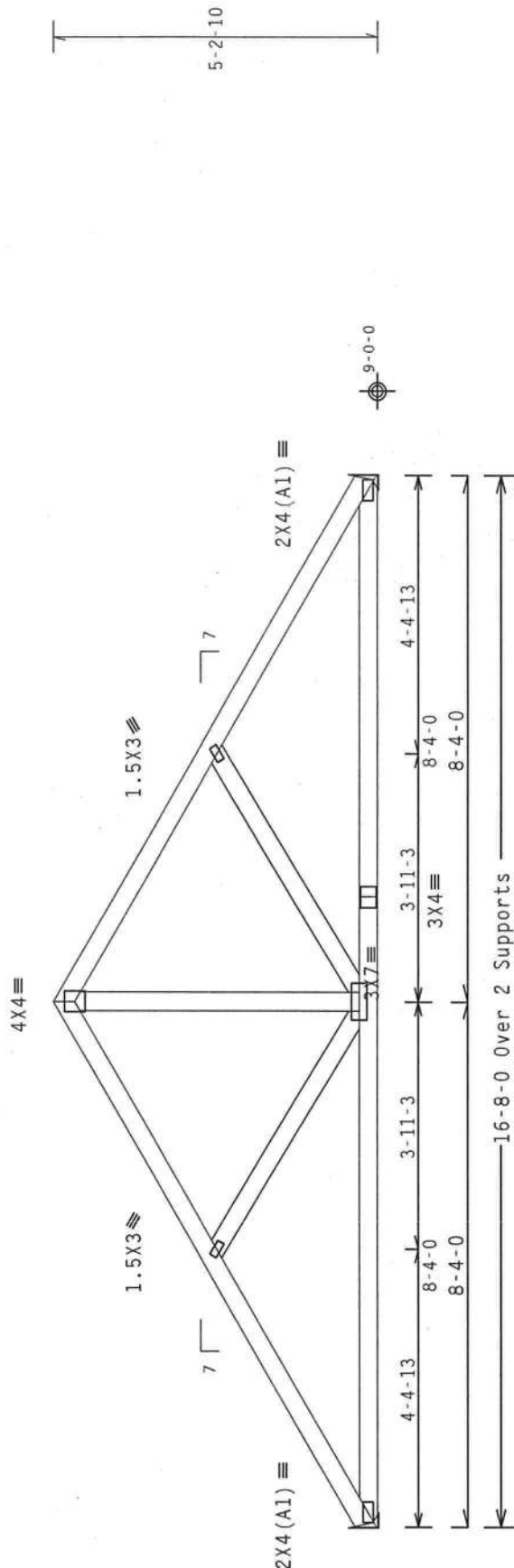
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP B, wind 1C DL-5.0 psf, wind BC DL-5.0 psf, lw=1.00 GCpf(+/-)=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.



R-693 U=0
RL=100/-100

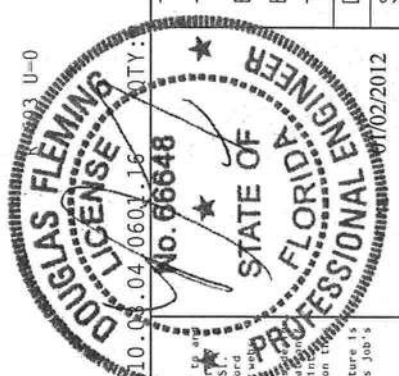
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

Scale = .375" / Ft.

TC LL	20.0	PSF	REF	R487-- 78218
TC DL	10.0	PSF	DATE	01/02/12
BC DL	10.0	PSF	DRW	HCUSR487 12002084
BC LL	0.0	PSF	HC-ENG	DF/DF
TOT.LD.	40.0	PSF	SEQN-	256466
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UIB487_Z01



****IMPORTANT**** 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 Safety Manual for detailed instructions and 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 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 drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbctindustry.com; ICC: www.iccsafe.org

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

(11-232--Fill) in later BRYAN ZECHER/GLENN -- . ** - E)

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

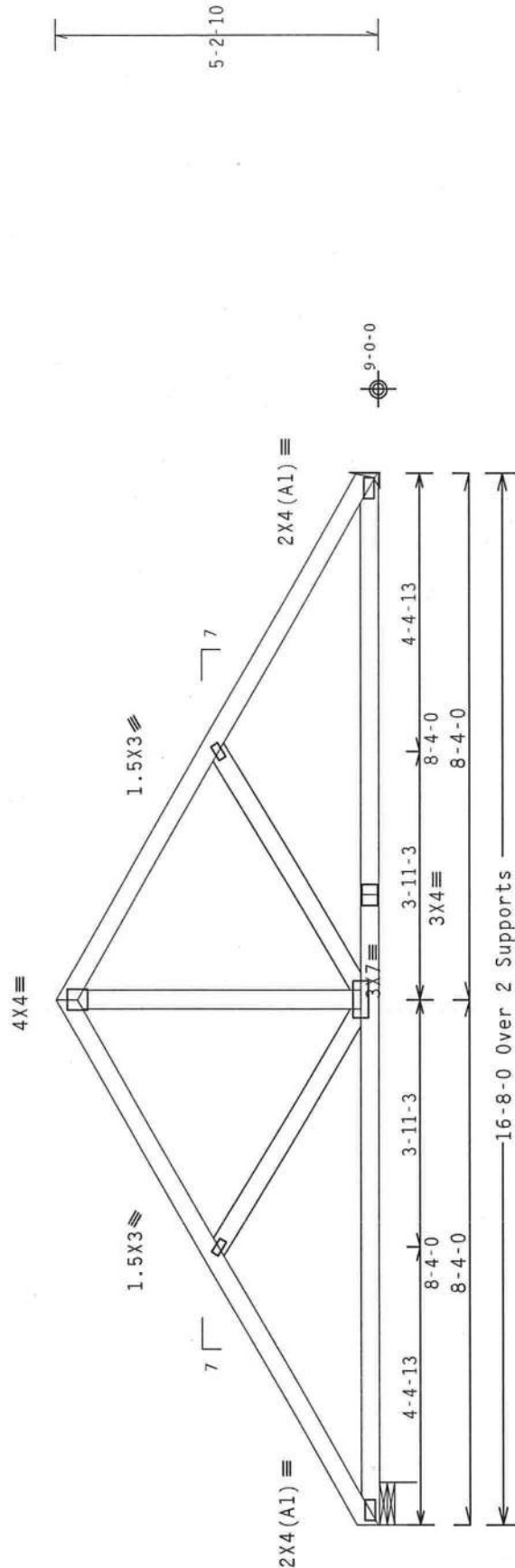
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, Exp B, wind ic DL-5.0 psf, wind BC DL-5.0 psf. lw=1.00 GCpl(+/-)=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.



R-694 U=0 W=8"
RL=100/-100

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

Scale = .375"/Ft.

REF R487-- 78219

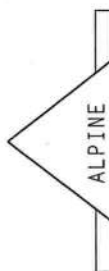
DATE 01/02/12

DRW HCUSR487 12002085

HC-ENG DF/DF

SEQN- 256471

JREF- IUIB487_201



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

8-692 U=0



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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 WCAI) 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 web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise, refer to drawings 100A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicating the date of this design and the structure for which the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job.
General notes page: ITW-BCGS: www.itwbcg.com; TPI: www.tpinat.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org

(11-232--Fill in later BRYAN ZECHER/GLENN -- . ** - H3F)

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

Roof overhang supports 2.00 psf soffit load.

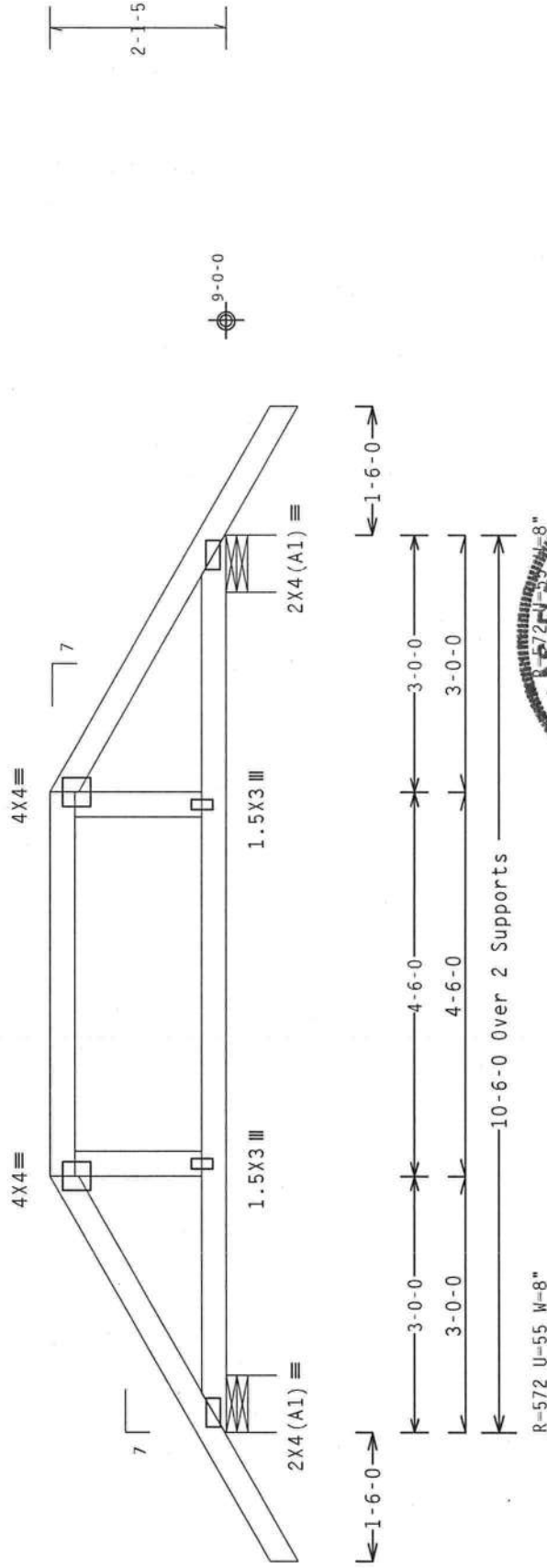
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg. Located anywhere in roof, CAT 11. EXP B. wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18

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

#1 hip supports 3-0-0 jacks with no webs.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487-- 78220
TC DL	10.0 PSF	DATE	01/02/12
BC DL	10.0 PSF	DRW	HCUSR487 12002086
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	256394
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UIB487_Z01

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/02/2012

ALPINE
Haines City, FL 33844
FL COA #0 278

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

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ITW Building Components Group Inc. (ITWBCG) shall not be 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. This drawing is the property of ITWBCG and shall not be reproduced, copied, or used in any way without the written consent of ITWBCG. Listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG; www.itwbcg.com; TPI; www.tpinet.org; NICA; www.sbciindustry.com; ICC; www.iccsafe.org

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - FG)

Top chord 2x4 SP #1
Bot chord 2x8 SP #5
Webs 2x4 SP #3 :W3 2x4 SP #2:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCp1(+/-)=0.18

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

Roof overhang supports 2.00 psf soffit load.

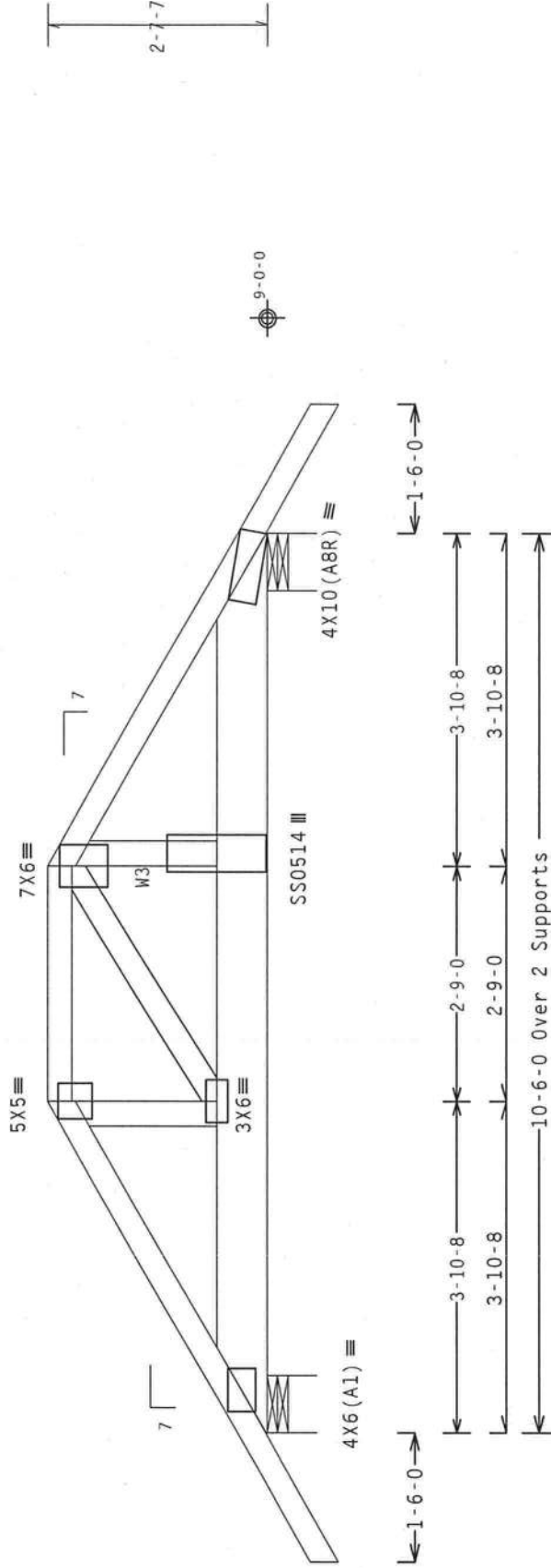
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

Special loads

-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 63 plf at 1.50 to 63 plf at 3.88
TC- From 63 plf at 3.88 to 63 plf at 6.63
TC- From 63 plf at 6.63 to 63 plf at 12.00
BC- From 20 plf at 1.50 to 5 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.06
BC- From 10 plf at 7.06 to 10 plf at 10.50
BC- From 5 plf at 10.50 to 5 plf at 12.00
BC- 3840.01 lb Conc. Load at 7.06
BC- 1482.91 lb Conc. Load at 9.06

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



PLT TYP. 18 Gauge HS.Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0 (0)

Scale = .5" / Ft.

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	REF	R487 - -	78221
TC DL	10.0 PSF		DATE	01/02/12	
BC DL	10.0 PSF		DRW	HCUSR487	12002087
BC LL	0.0 PSF		HC-ENG	DF/DF	
TOT.LD.	40.0 PSF		SEQN-	257406	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	IUIB487_Z01	

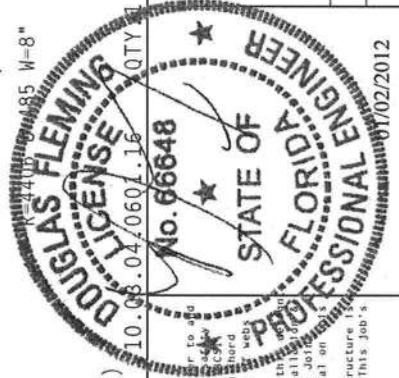
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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal on the bottom chord of the truss shall be provided by the manufacturer. The manufacturer shall be responsible for the design of the building design. 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: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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

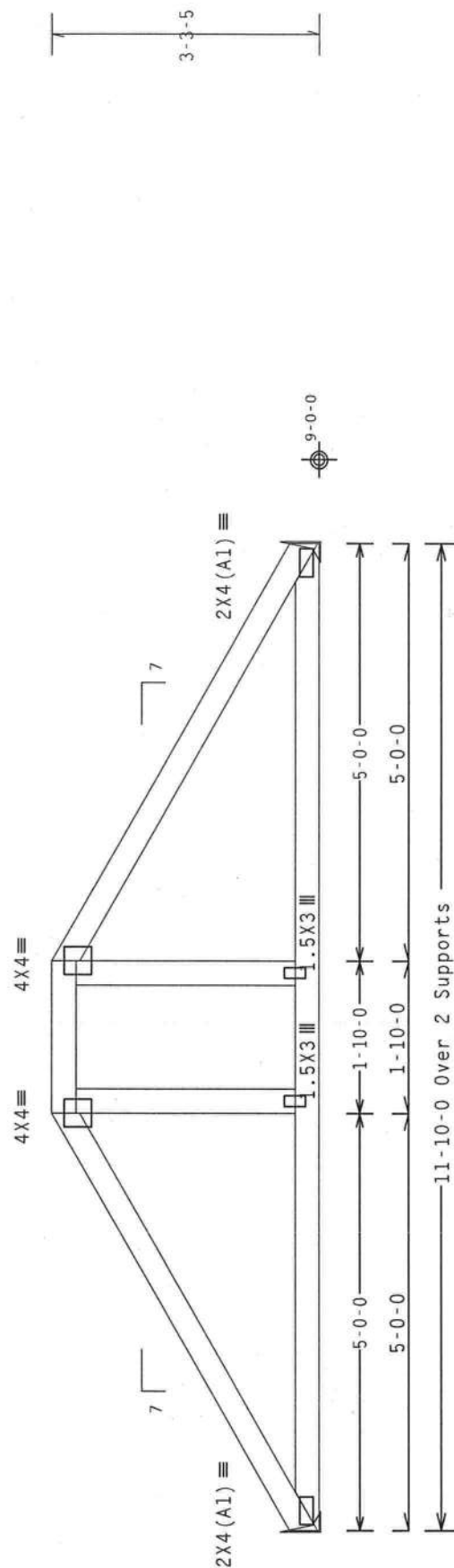


110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCp1(+/-)=-0.18

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

Left side jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End

Jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang.



R=704 U=57

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

FL/-/4/-/-/R/-/
Scale = .5"/Ft.

PLT TYP. Wave

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Review and follow the latest edition of BCSP (Building Component Safety Information, by IPI and NICA) for best practices noted to performing these functions. Installers shall provide temporary bracing per BCSP. If installers are not familiar with the proper bracing of trusses, they shall consult with the manufacturer. Trusses shall have a properly attached structural sheathing and bottom chord bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSP sections B3, B7 and B10, as applicable.

[illegible]

TC	11	20	0	DCE
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77 71 20.0 F3F

TC DL 10.0 PSF

RC DI 10 0 pSE

5
-
0
0
4

BC LL 0.0 PSF

TOT.ID. 40.0 PSE

[illegible]

DUR. FAC. 1.25

SPACING 24.0"

REF R487-- 78222

DATE 01/02/12

DRW HCUSR487 12002088

HC-FNG DF/DF

SEON- 256680

000007 11070

1BEE - 111TR487 701



ALPINE

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

(11-232--Fill) in later BRYAN ZECHER/GLENN --, ** - G)

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

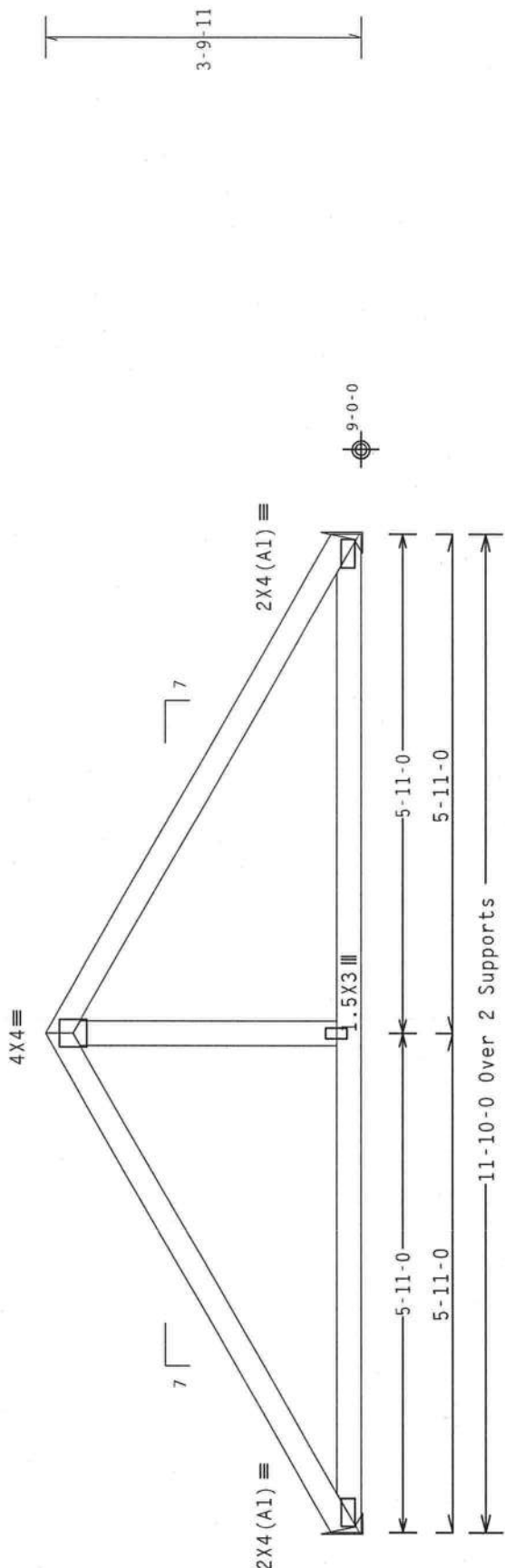
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, 1W-1.00 GCpl(+/-)-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=492 U=39
RL=71/-71

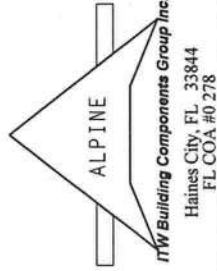
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

Scale = .5"/Ft.

TC LL	20.0 PSF	FL/-/4/-/R/-
TC DL	10.0 PSF	
BC DL	10.0 PSF	
BC LL	0.0 PSF	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	

REF R487-- 78223
DATE 01/02/12
DRW HCUSR487 12002089
HC-ENG DF/DF
SEQN- 256684
JREF- 1UIB487_Z01

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and NCTA) for best practices prior to performing these functions. Installers shall provide temporary bracing per NCTA. 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 sections B3, B7 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 conformance with ANSI/TPI 1, or for handling, shipping, installing, 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 1004-2 for standard plate positions. A seal on the bottom chord of the truss is required for the design shown. The suitability of the structure for the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NCTA: www.nctaindustry.com; ICC: www.iccsafe.org



(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - HSH)

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

Left and right cantilevers are exposed to wind

Roof overhang supports 2.00 psf soffit load.

#1 hip supports 5-0-0 jacks with no webs.

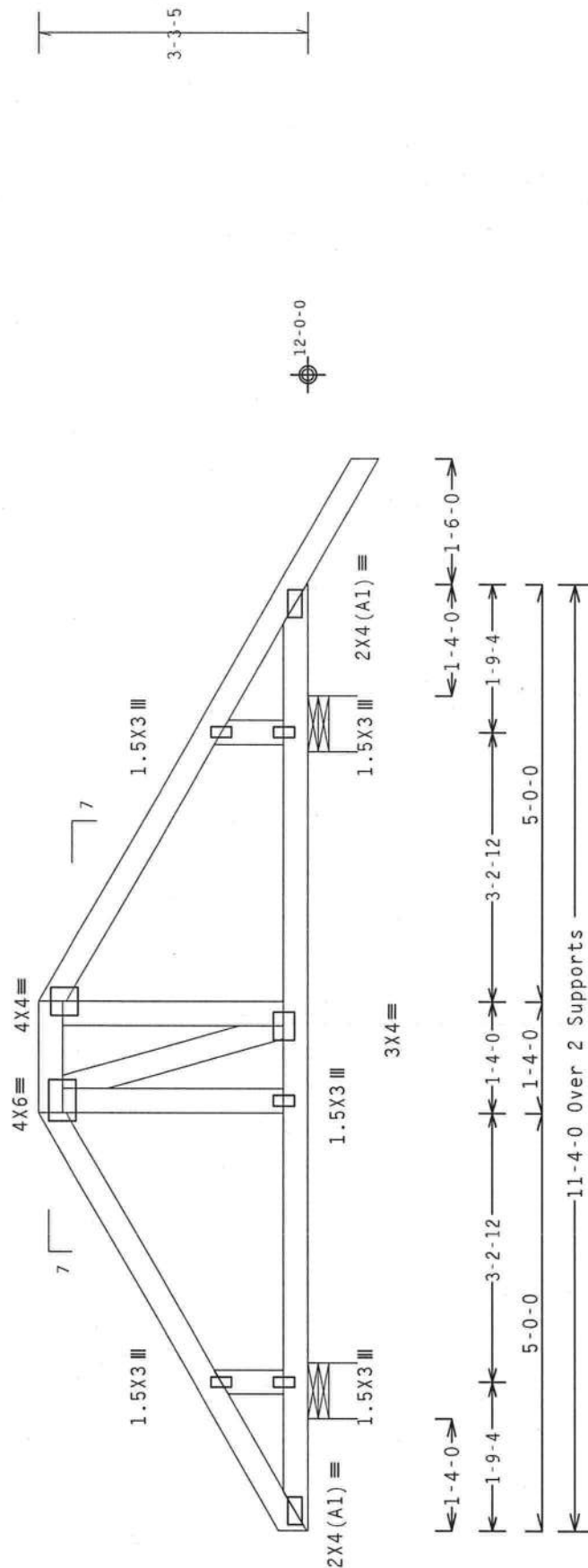
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT 11, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcp1(+/-)=0.18

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

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

Left side jacks have 5-0-0 setback with 1-4-0 cant and 1-6-0 overhang. End jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 5-0-0 setback with 1-4-0 cant and 1-6-0 overhang.



R-596 U=20 W=8"

R-961 U=204 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .5"/Ft.

 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.				No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/02/2012		REF R487-- 78224
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety) Information, by IPI and NICA's for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSP 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. Trusses shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.						DATE 01/02/12
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance 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 1004-2 for standard plate positions. A seal on drawings is required for all drawings. Trusses are to be installed in accordance with the manufacturer's drawing and instructions. The suitability and use of this design for all structures is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; IPI: www.tpiinst.org; NICA: www.sbcindustry.com;						DRW HCUSR487 12002090
	The responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; IPI: www.tpiinst.org; NICA: www.sbcindustry.com;						HC-ENG DF/DF
							SEQN- 256417
							JREF- 1UIB487_Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of this truss system. 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 1004-2 for standard plate positions. A seal on the bottom chord of the truss shall be provided. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NKA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - EJ5T1)

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

Roof overhang supports 2.00 psf soffit load.

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

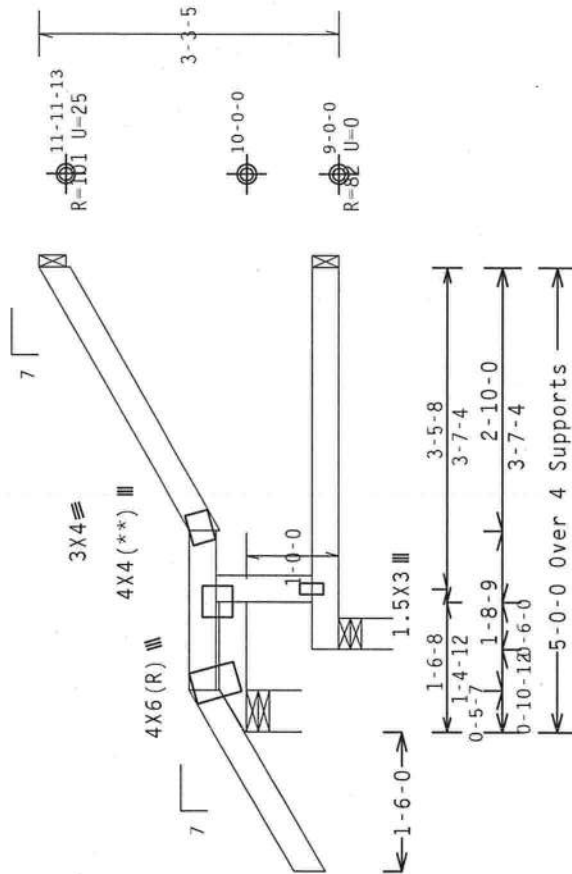
Deflection meets L/240 live and L/180 total load.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCP1(+/-)-0.18

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

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



R-258 U=40 W=5.427"

RL=61/-32 R=103 U=4 W=4"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

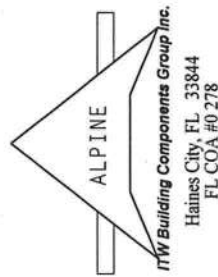
PLT TYP. Wave

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487--	78226
TC DL	10.0 PSF	DATE	01/02/12	
BC DL	10.0 PSF	DRW	HCUSR487	12002092
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	256292	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIB487_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for 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 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 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 between trusses. Under no circumstances shall the trusses be used for any purpose other than that for which they were designed. The trusses are not to be used for any other purpose without the written consent of ITWBCG. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org



(11-232--Fill in later BRYAN ZECHE/GLENN -- , ** - EJST)

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

Roof overhang supports 2.00 psf soffit load.

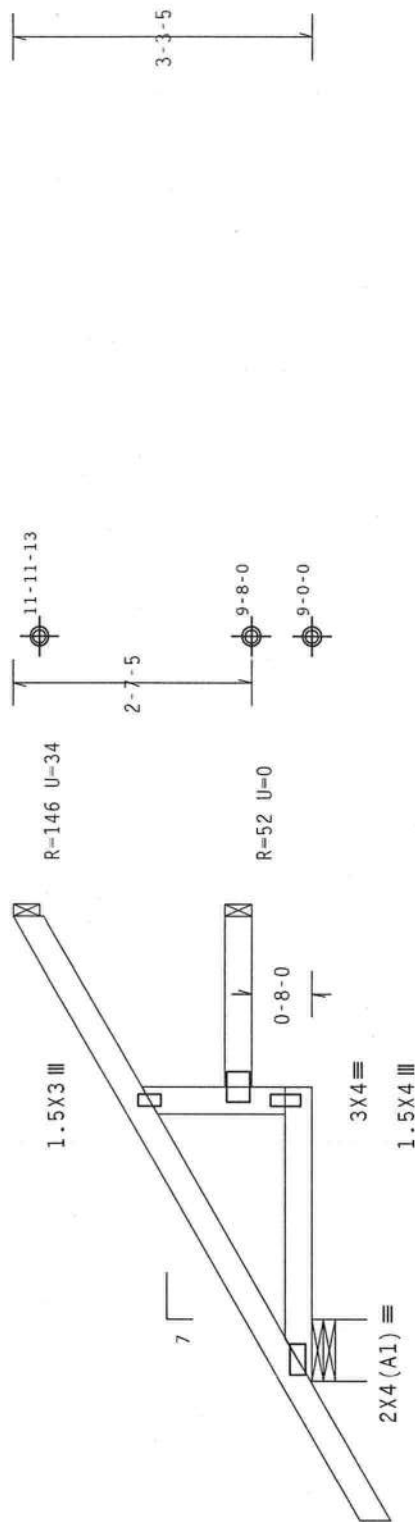
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC DL=5.0 psf, wind BC DL=5.0 psf, 1W=1.00 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.



1'-6'-0"

3'-2'-0"

5'-0'-0" Over 3 Supports

R=335 U=18 W=8"
RL=87/-38

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

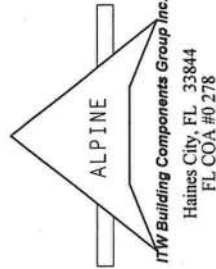
Scale = .5"/Ft.



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and NKA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI details, 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 truss 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 any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal on the bottom chord of the truss is required for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NKA: www.sbcindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487--	78228
DATE	01/02/12	
DRW	HCUSR487	12002032
HC-ENG	DF/DF	*
SEQN-	256301	
JREF-	1UIB487_Z01	

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - CJC)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Roof overhang supports 2.00 psf soffit load.

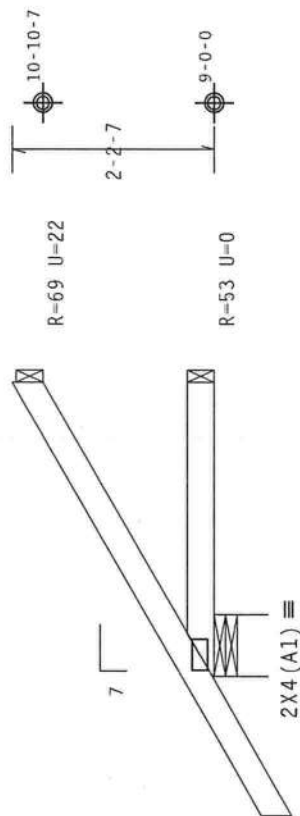
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcp1(+/-)=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.

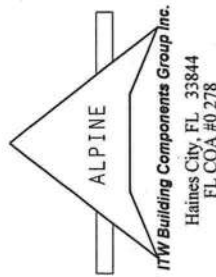


1-6-0
3-2-0 Over 3 Supports

R-270 U=21 W=8"
RL=62/-32

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave



IMPORTANT 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 BCSP (Building Component Safety Information, by TPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSP sections B3, B7 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 conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal on the bottom chord is required for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org



Scale = .5" / Ft.

FL / - / 4 / - / - / R / -	TC LL	20.0 PSF	REF	R487 - - 78229
	TC DL	10.0 PSF	DATE	01/02/12
	BC DL	10.0 PSF	DRW	HCUSR487 12002094
	BC LL	0.0 PSF	HC-ENG	DF/DF
	TOT.LD.	40.0 PSF	SEQN-	256307
	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	IUIB487_Z01

(11-232--Fill) in later BRYAN ZECHER/GLENN -- , ** - HJT)

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

Special loads

-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 63 pif at -1.60 to 63 pif at 4.36
BC- From 5 pif at -1.60 to 5 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 3.43
BC- From 20 pif at 3.43 to 20 pif at 4.36
TC- 68.90 lb Conc. Load at 3.43
BC- 26.20 lb Conc. Load at 3.43

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

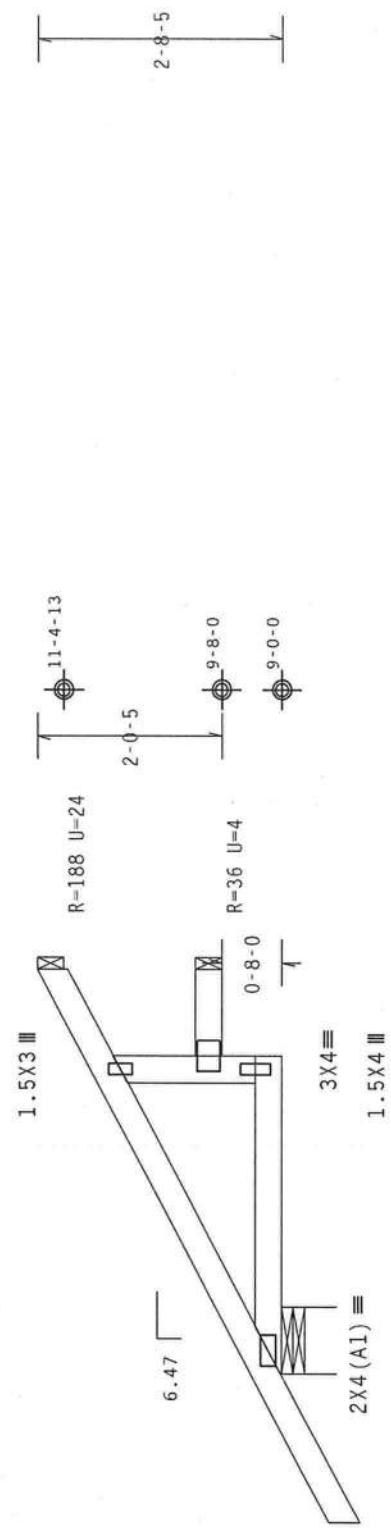
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 GCpl(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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

Deflection meets L/240 live and L/180 total load.

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.



1-7-3

3-3-6
3-5-2

3-5-2
4-4-4 Over 3 Supports

R=340 U-37 W-8.659"
RL=74/-34

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

FL/-4/-/-R/-
Scale = .5"/Ft.

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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 BCSP (Building Component Safety Information, by TPI and NACA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. 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 BCSP sections B3, B7 or B10, as applicable.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, 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 ITC-2 for standard plate positions. A seal on the drawing shall indicate the location of any deviation from this design. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; IITW-BCG: www.iitwbcg.com; TPI: www.tpinet.org; NACA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/02/2012

TC LL	20.0 PSF	REF	R487--	78230
TC DL	10.0 PSF	DATE	01/02/12	
BC DL	10.0 PSF	DRW	HCUSR487	12002095
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	256313	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIB487_Z01	

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - HJST)

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

Special loads

-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 63 pif at -1.60 to 63 pif at 5.39
BC- From 5 pif at -1.60 to 5 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 3.43
TC- From 20 pif at 3.43 to 20 pif at 5.39
TC- 68.90 lb Conc. Load at 3.43
BC- 26.20 lb Conc. Load at 3.43

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

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

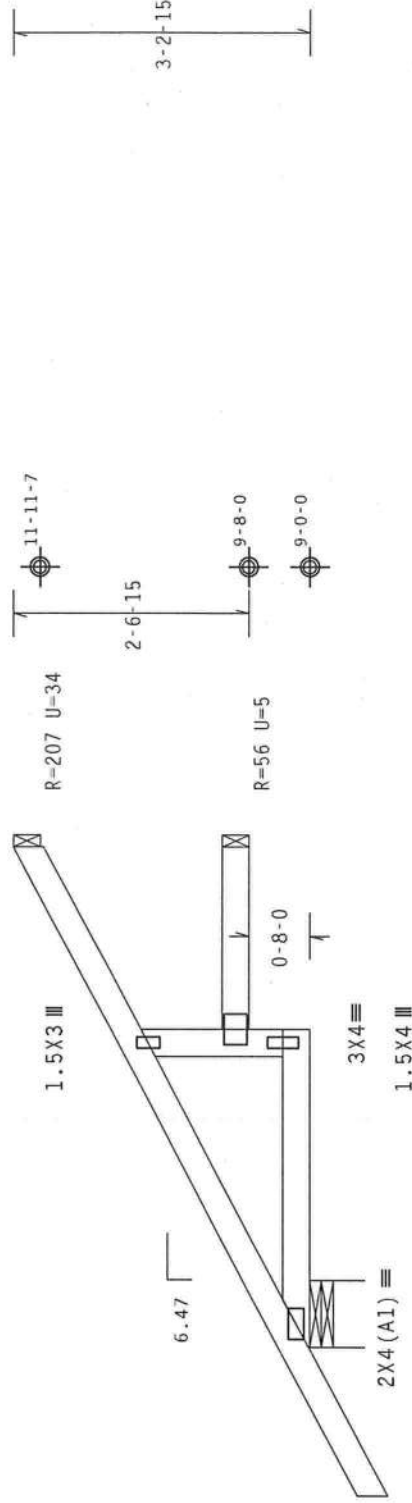
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, IW-1.00 GCPI(+/-)-0.18

Roof overhang supports 2.00 psf soffit load.

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

Deflection meets L/240 live and L/180 total load.

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.



←-1-7-3→

3-3-6
3-5-2

3-5-2
5-4-10 Over 3 Supports

R=392 U=43 W=8.659"
RL=87/-37

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-4/-1-/R/-
Scale = .5"/Ft.

 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.		No. 66648		REF R487-- 78231
	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 NICA for best 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 bracing installed per BCSI sections B3, B7 or B10, as applicable.		★		DATE 01/02/12
	iTW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering. Structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org		★		DRW HCUSR487 12002096
			STATE OF		HC-ENG DF/DF
			FLORIDA		SEQN- 256317
			PROFESSIONAL ENGINEER		DUR.FAC. 1.25
			01/02/2012		SPACING 24.0"

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCp1(+/-)-0.18

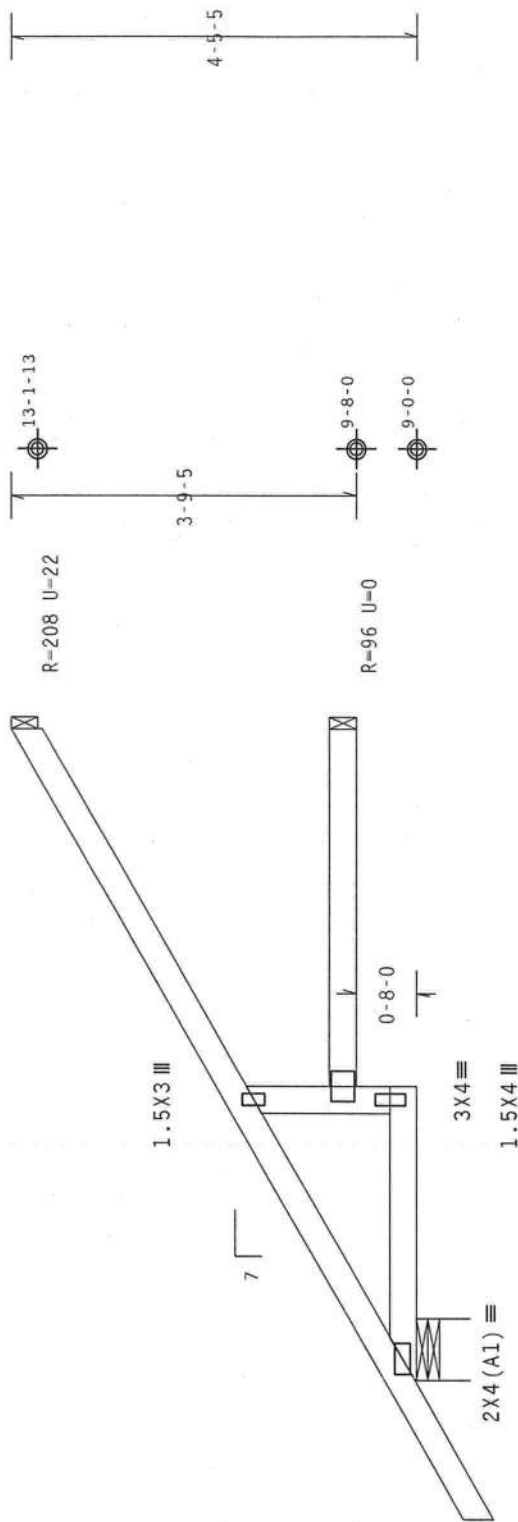
Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load.

```

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.

```



1-6-0

3-2-0 3-10-0
7-0-0 Over 3 Supports

R-412 U=0 W=8"
RL=76/-44

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

Scale = .5"/Ft.

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

QTY 3

10.03.04.0601.16

(0)0/
70(0)

FT/RT=10% (0%)

11 22 33 44 55 66 77 88 99

51327

ve

T TYP. Wave

PL

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Request to follow the latest edition of BCSP (Building Component Safety) information by TPI and AISC for bracing and detailing. Installers shall provide temporary bracing for the trusses until the permanent bracing is installed. The chord shall have properly attached sheathing and bottom chord shall have a properly attached rigid ceiling. Trusses shown for permanent lateral restraint will have bracing installed per BCSP sections B3, B7 and B10, as applicable.

LTV Building Components Group, Inc. (LWBCG) shall not be responsible for any deviation from the design shown on drawings issued under ANSI/TPI-1. The designer has the responsibility for determining the spacing of trusses. Apply plates to each face of truss and position as shown above and on the Job's details, unless otherwise. Refer to drawings L60A-2 For standard plate positions. A seal on drawing or cover page listing this drafting, indicates acceptance of professional engineering registration 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: general notes page: LW-BDG; www.ltvbcg.com; tpi: www.tpi.net; MICA: www.micaindust.com;

ALPINE

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

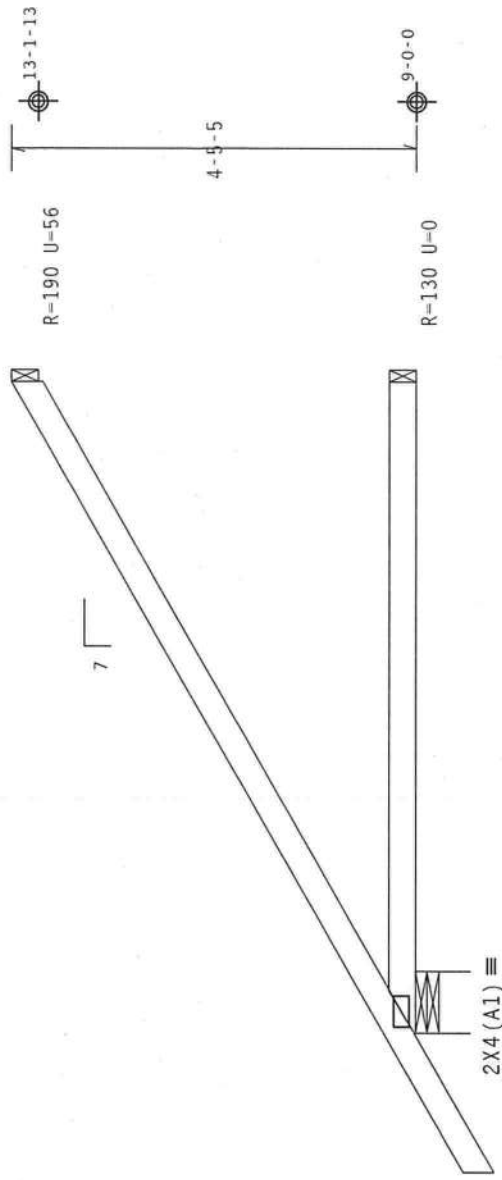
Haines City, FL 33844
FL COA #0 278

1

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - EJ7)

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

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.
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.



7'-0" Over 3 Supports
R-412 U=15 W=8"
RL-114/-44

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

ALPINE

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

DOUGLAS FLEMING
LICENSE
No. 066848
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

10-08-04/0607.16
10-08-04/0607.16

TC LL	20.0 PSF	REF	R487--	78233
TC DL	10.0 PSF	DATE	01/02/12	
BC DL	10.0 PSF	DRW	HCUSR487	12002097
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	257351	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIB487_Z01	

PLT TYP. Wave

Scale = .5"/Ft.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 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.

11W Building Components Group Inc. (11WBCG) shall not be responsible for any deviation from the design shown for any reason, including but not limited to, any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation, or any other reason. Apply plates to each face of truss and position as shown above and on the joint. The truss shall be installed in accordance with the design shown. 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: ITW-BCG; www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - CJI)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Roof overhang supports 2.00 psf soffit load.

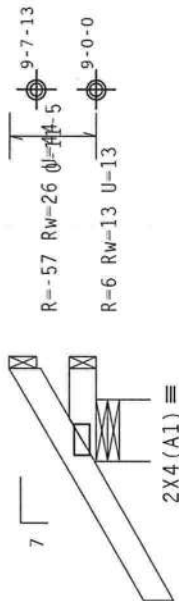
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

110 mph wind. 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg. Located anywhere in roof. CAT II. Exp B. wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 GCPI(+/-)=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.

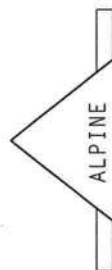


1-1-6-0 →
1-0-0 Over 3 Supports

R-257 U=43 W=8"
RL=33/-26

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave



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 and follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) for best 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 for webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 100-c for standard plate positions. A seal on the drawing of each page is required. The seal shall be the seal of a Professional Engineer. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org



Scale = .5" / Ft.

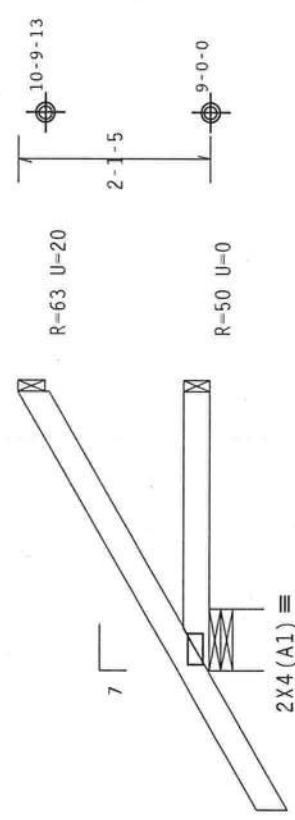
FL / - / 4 / - / - / R / -

QTY 23

TC LL	20.0 PSF	REF R487-- 78234
TC DL	10.0 PSF	DATE 01/02/12
BC DL	10.0 PSF	DRW HCUSR487 12002098
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 256357
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIB487_Z01

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.
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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCPI(+/-)=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.



7
2X4 (A1)
R-63 U=20
R-50 U=0
10-9-13
2-1-5
9-0-0
3-0-0 Over 3 Supports
R-265 U=21 W=8
RL=60/-32

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/02/2012

****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 Safety Information, by TPI and KICA) for 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 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 the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joining details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this design shown. The liability and use of this design for any structure is the responsibility of the user. Refer to the Building Code of America (BCA) for the latest edition of the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; KICA: www.bcsiindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	FL/-/4/-/4/-/R/-	Scale = .5" / Ft.
TC DL	10.0 PSF		REF R487-- 78235
BC DL	10.0 PSF		DATE 01/02/12
BC LL	0.0 PSF		DRW HCUSR487 12002034
TOT.LD.	40.0 PSF		HC-ENG DF/DF *
DUR.FAC.	1.25		SEQN- 256360
SPACING	24.0"		JREF- 1UIB487_Z01

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - CJ35)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

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

Deflection meets L/240 live and L/180 total load.

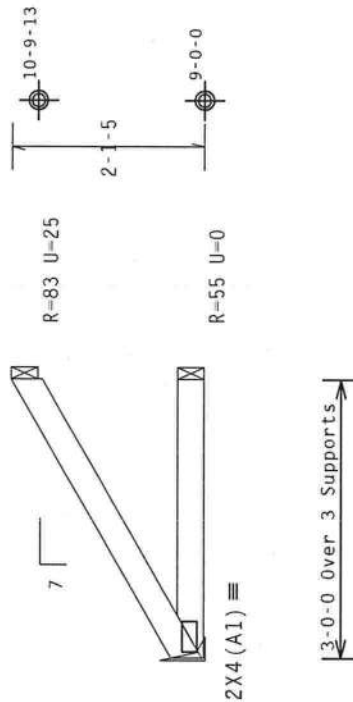
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 GCPI(+/-)=0.18

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

Provide (2) 16d common nails(0.162"x3.5") toe nailed at Top chord.

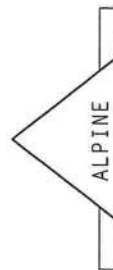
Provide (2) 16d common nails(0.162"x3.5") toe nailed at Bot chord.



R=130 U=0
RL=40

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



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

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and KIGA) for best 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 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 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-C for standard plate positions. A seal on the bottom chord of the truss shall be provided by the manufacturer of the professional engineering structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: LTN-BCG: www.ltnbcg.com; TPI: www.tpi1st.org; NIA: www.sbcindustry.com; ICC: www.iccsafe.org



FL/- /4/- /- /R/-
Scale = .5" /Ft.

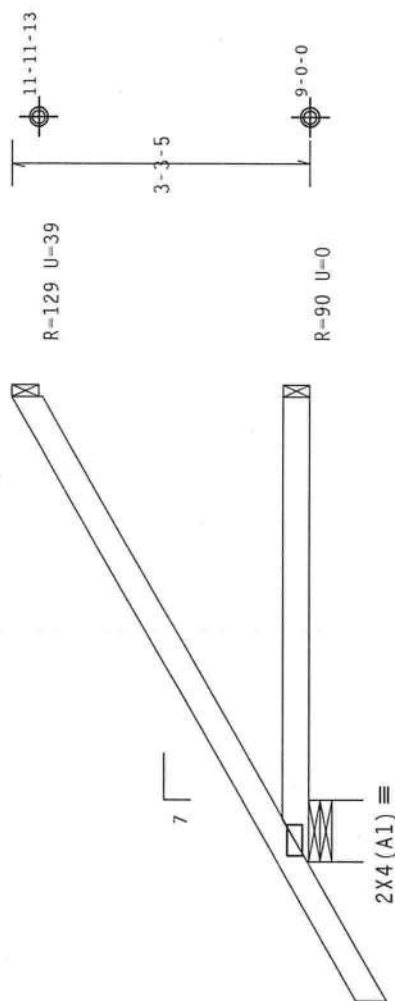
TC LL	20.0 PSF	REF	R487 -- 78236
TC DL	10.0 PSF	DATE	01/02/12
BC DL	10.0 PSF	DRW	HCUSR487 12002099
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	256372
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	IUIB487_Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCp1(+/-)-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.

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.



← 5-0-0 Over 3 Supports →

R-335 U-18 W-8"
RL-87/-38

Design Crit: FBC2007Res/TPI-2002 (STD)

Scale = .5"/Ft.

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

10.03.04.06Q7.16

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

REF R487-- 78237

DATE 01/02/12

ORW HCUSR487 12002035

IC-ENG DF/DF

EON - 256369

REF- 1UIB487 Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Hipjack supports 5'-0" setback jacks with no webs.

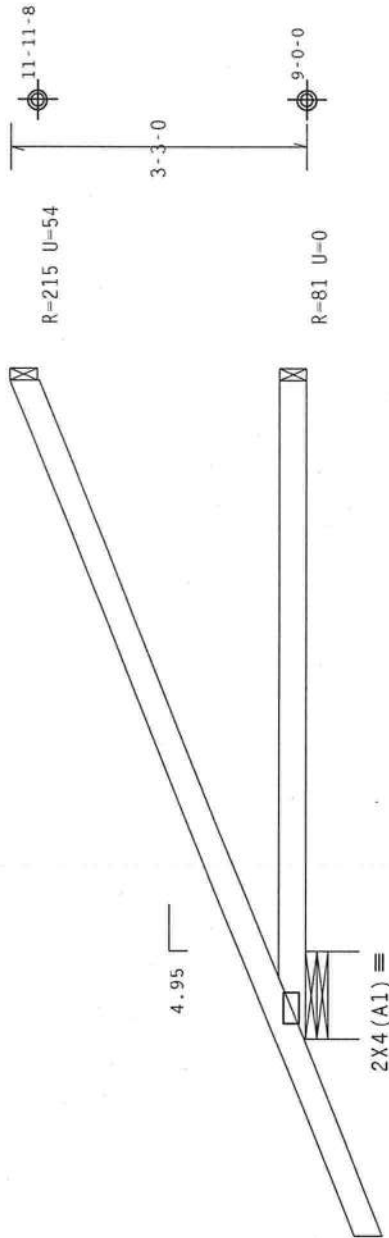
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT 11, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1W=1.00 GCPI(+/-)-0.18

Wind loads and reactions based on MMFRS 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.

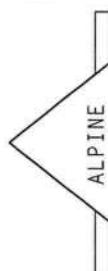


2-1-7
7-0-14 Over 3 Supports
R-310 U=40 W-11.314"

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave



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



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
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IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for practices prior to performing these functions. Installers shall provide temporary bracing per 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 sections 63, 87 or 810, 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 conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or erecting of trusses. Apply plates to each face of truss and position as shown above and on the joint. Do not use any other fasteners or materials. The truss is designed for use as shown on the drawing or cover page listing this design. 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: ITN-BGC: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

Scale = .5" / Ft.

FL / - / 4 / - / R / -	TC LL	20.0 PSF	REF	R487--	78238
FL / - / 4 / - / R / -	TC DL	10.0 PSF	DATE	01/02/12	
FL / - / 4 / - / R / -	BC DL	10.0 PSF	DRW	HCUSR487	12002100
FL / - / 4 / - / R / -	BC LL	0.0 PSF	HC-ENG	DF/DF	
FL / - / 4 / - / R / -	TOT.LD.	40.0 PSF	SEQN-	256453	
FL / - / 4 / - / R / -	DUR.FAC.	1.25	JREF-	1UIB487_Z01	
FL / - / 4 / - / R / -	SPACING	24.0"			

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - EJ7H)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Roof overhang supports 2.00 psf soffit load.

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

Deflection meets L/240 live and L/180 total load.

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.

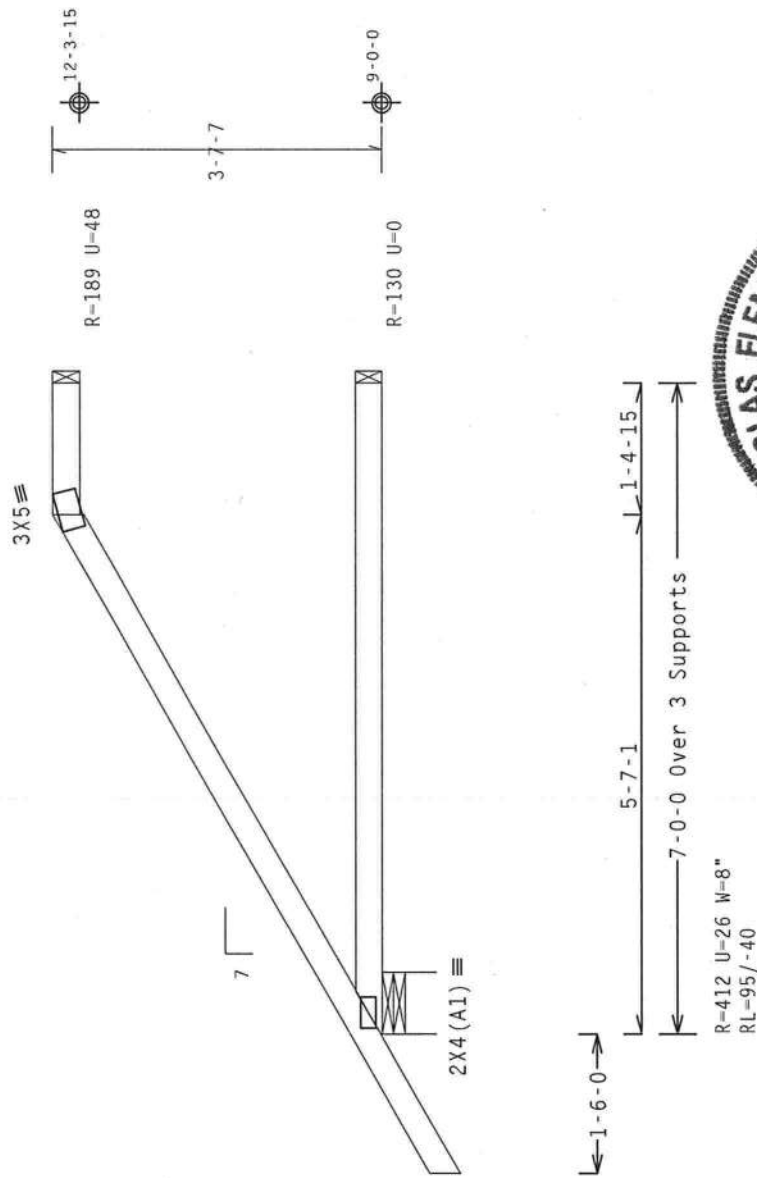
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCp1(+/-)=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.

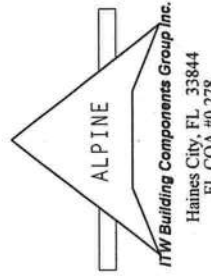
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)



PLT TYP. Wave



TC LL	20.0 PSF	FL/-/4/-/-/R/-	Scale =.5"/Ft.
TC DL	10.0 PSF	REF R487--	78239
BC DL	10.0 PSF	DATE	01/02/12
BC LL	0.0 PSF	DRW	HCUSR487 12002101
TOT.LD.	40.0 PSF	HC-ENG	DF/DF
DUR.FAC.	1.25	SEQN-	256382
SPACING	24.0"	JREF-	1UIB487_Z01

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joints. Details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal of the drawing or cover page listing this drawing, indicating the name of the professional engineer, and the responsibility 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.tpi.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - EJ7E)

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

Roof overhang supports 2.00 psf soffit load.

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

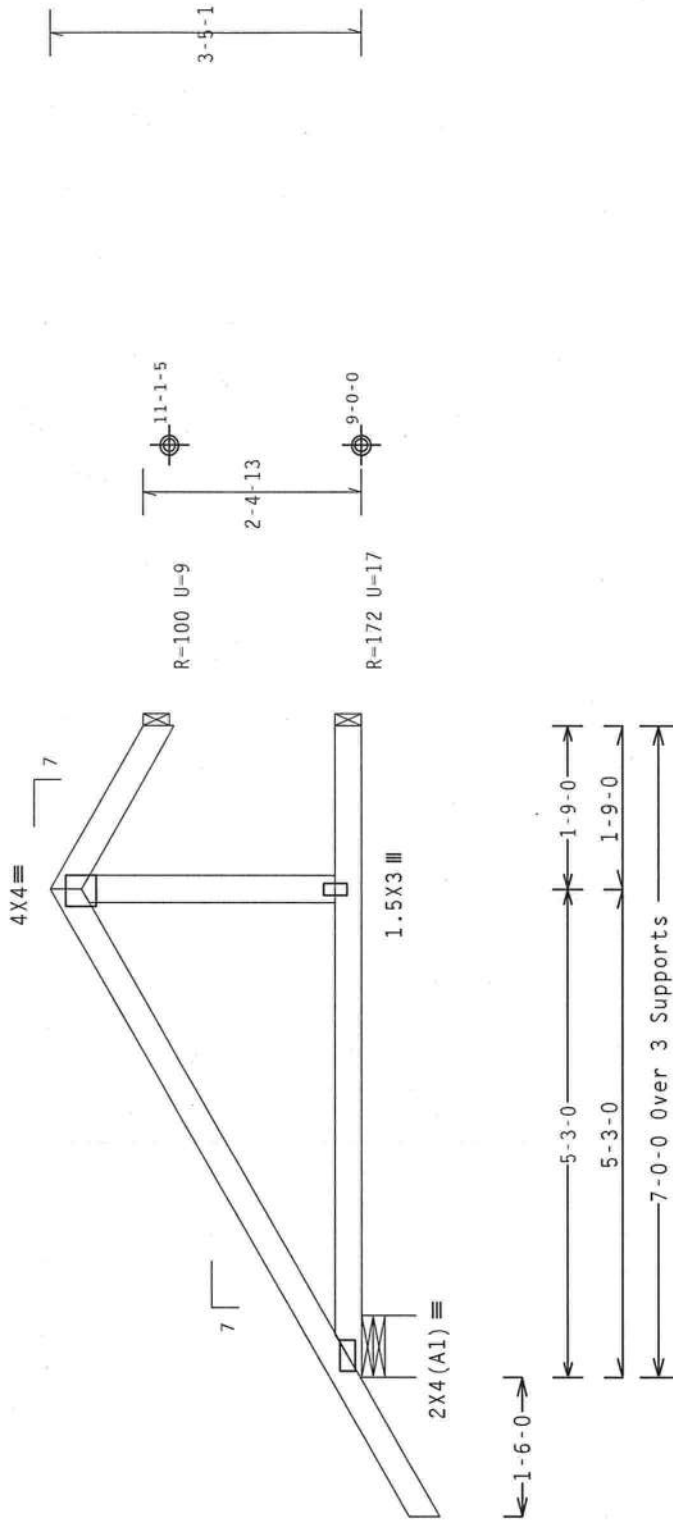
Provide { 2 } 16d common nails(0.162"x3.5"). toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"). toe nailed at Bot chord.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind IC DL-5.0 psf, wind BC DL-5.0 psf, 1W-1.00 GCPI(+/-)-0.18

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

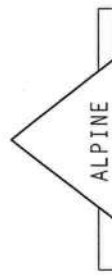
Deflection meets L/240 live and L/180 total load.



R-412 U-36 W-8"
RL-68/-54

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



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

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FURNISH THIS DESIGN TO ALL COMPARTMENTS INCLUDING INSTALLERS.

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpi1st.org; NCA: www.bcsiindustry.com; ICC: www.iccsafe.org



Scale = .5"/Ft.

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

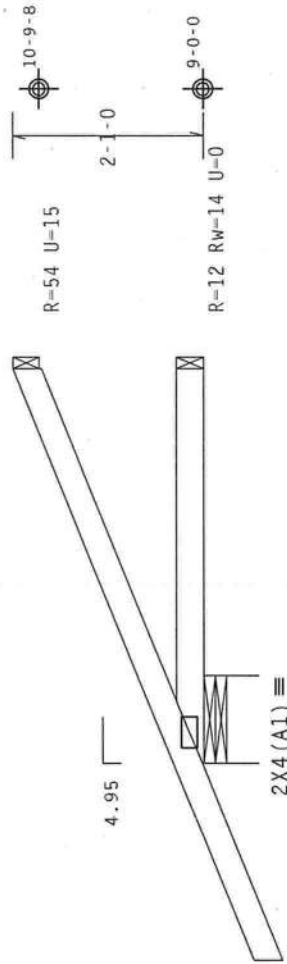
QTV 1

TC LL	20.0 PSF	REF	R487-- 78240
TC DL	10.0 PSF	DATE	01/02/12
BC DL	10.0 PSF	DRW	HCUSR487 12002036
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	256386
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UIB487_Z01

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Hip/Jack supports 3-0-0 setback jacks with no webs.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCp1(+/-)=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.

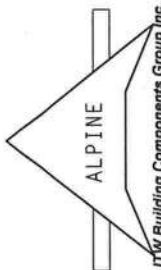


2-1-7
4-2-15 Over 3 Supports
R=221 U=35 W=11.314

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5"/Ft.

 ALPINE Haines City, FL 33844 FL COA #0278	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)				Scale = .5"/Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)				Scale = .5"/Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)				Scale = .5"/Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)				Scale = .5"/Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)				Scale = .5"/Ft.			
	PLT TYP. Wave				Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)				Scale = .5"/Ft.			

(11-232--Fill) in later BRYAN ZECHER/GLENN -- , ** - CJ5S)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

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

Deflection meets L/240 live and L/180 total load.

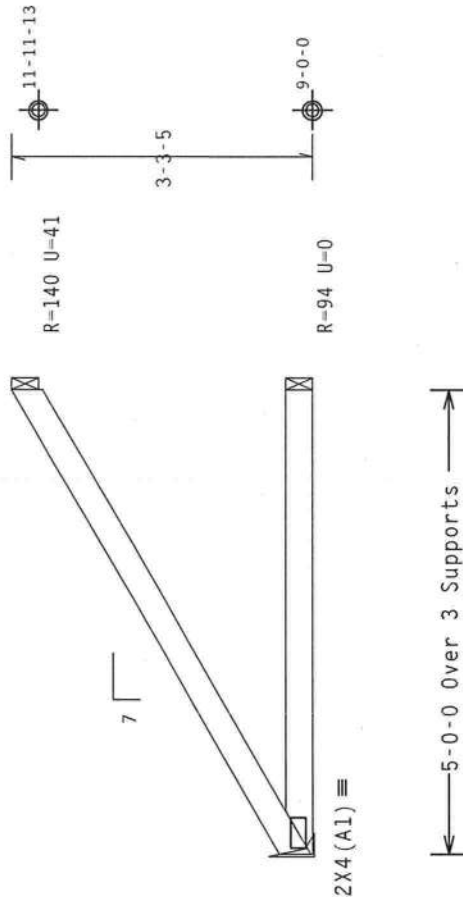
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 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.

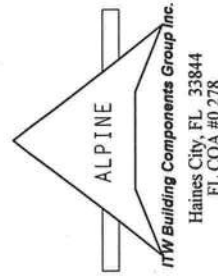
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



R-213 U=0
RL-67

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering. The responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org

Scale = .5" / Ft.

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

QTY 1

TC LL	20.0 PSF	REF	R487 -- 78242
TC DL	10.0 PSF	DATE	01/02/12
BC DL	10.0 PSF	DRW	HCUSR487 12002103
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	256421
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UIB487_Z01

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - HJ7)

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

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

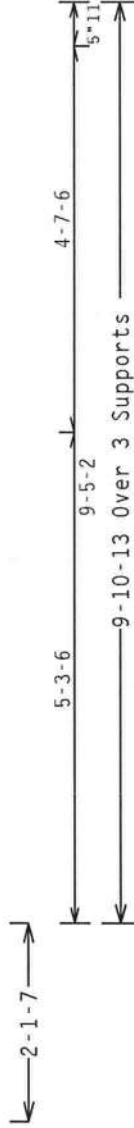
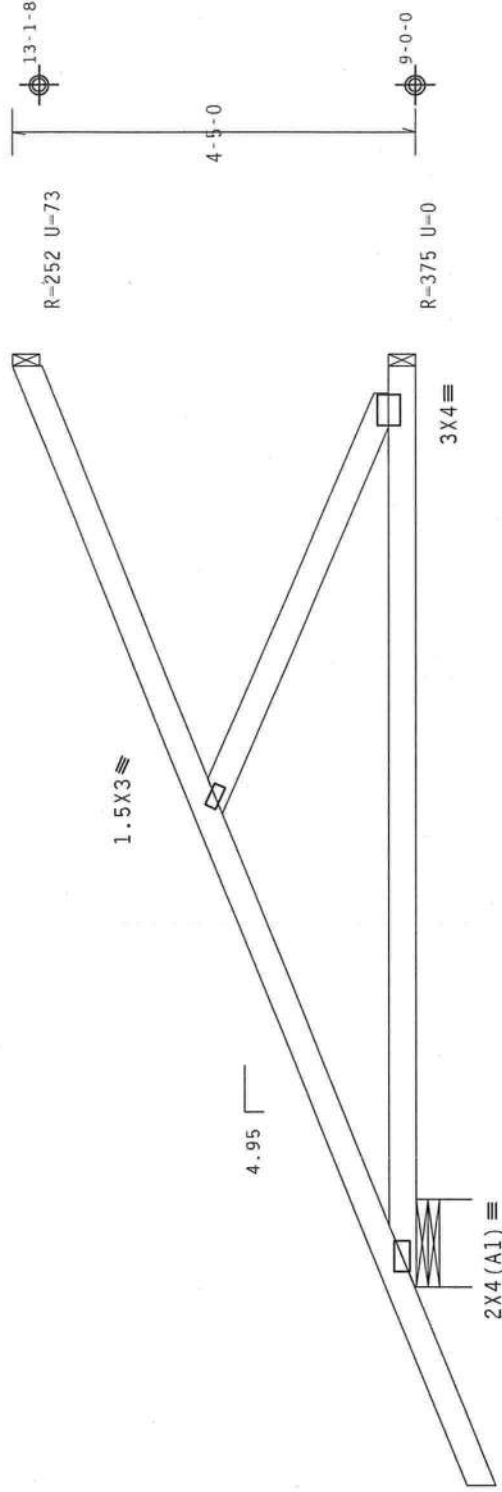
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT 11, Exp 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 GCPI(+/-)=0.18

Hipjack supports 7'-0" set back jacks with no webs.

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

Deflection meets L/240 live and L/180 total load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



R-466 U=53 W=11.314"

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .5"/Ft.

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

TY: 10.04.0601.16

REF R487-- 78243

DATE 01/02/12

DRW HCUSR487 12002104

HC-ENG DF/DF

SEQN- 256426

JREF- 1UIB487_Z01



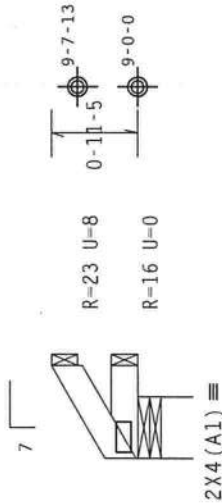
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information see: This Job's ICC: www.iccsafe.org
TPI: www.tpiinst.org; NFCA: www.nfcaindustry.com

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 GCpl(+/-)=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.



1-0-0 Over 3 Supports
R=49 U=0 W=8"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-/4/-/-/R/- Scale =.5"/Ft.

 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. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for details and 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 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 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 the drawing shall be used for handling, shipping, installation and bracing. The responsibility of the designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org			
	TC LL	20.0 PSF	REF	R487-- - 78244
	TC DL	10.0 PSF	DATE	01/02/12
	BC DL	10.0 PSF	DRW	HCUSR487 12002037
	BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	256439	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	LUIB487_Z01	

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - EJ7G2)

Top chord 2x4 SP #1
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II. EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00
6Cp1(+/-)=-0.18

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

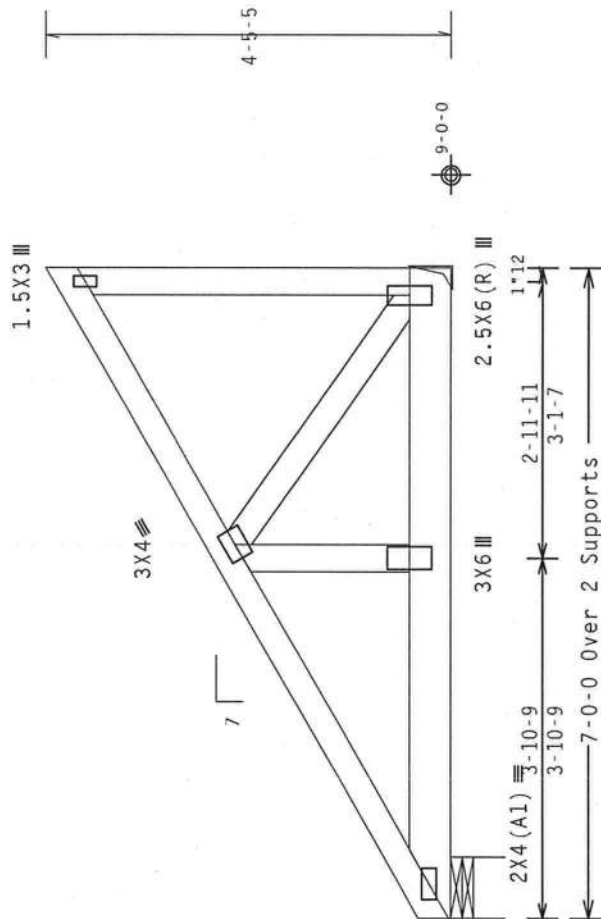
Bottom chord checked for 10.00 psf non-concurrent live load.

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at 0.00 to 63 plf at 7.00
BC- From 10 plf at 0.00 to 20 plf at 2.09
BC- From 10 plf at 2.09 to 10 plf at 7.00
BC- 130.16 lb Conc. Load at 2.09
BC- 213.22 lb Conc. Load at 4.09
BC- 1253.32 lb Conc. Load at 6.06

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.



R-635 U-49 W-8"

R-1495 U-130

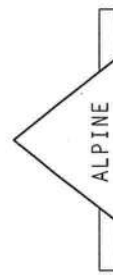
Design Crit: FBC2007Res/TPI-2002 (STD)

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

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

Scale = .5"/Ft.

PLT TYP. Wave



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

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, fabricating or trusses. Apply plates to each face of truss and position as shown above and on the joint and details, unless noted otherwise. Refer to drawings 1000-2 for standard plate positions. A seal on this design shall be provided by the designer. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.bcsiindustry.com; ICC: www.iccsafe.org



TY: 10.05.04 0601.18

No. 66848

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

Scale = .5"/Ft.

REF R487-- 78245

DATE 01/02/12

DRW HCUSR487 12002105

HC-ENG DF/DF

SEQN- 256447

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UIB487_Z01

(11-232--Fill) in later BRYAN ZECHER/GLENN -- , ** - H3W)

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

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

#1 h1p supports 3-0-0 jacks with no webs.

Left side jacks have 3-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End jacks have 3-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.

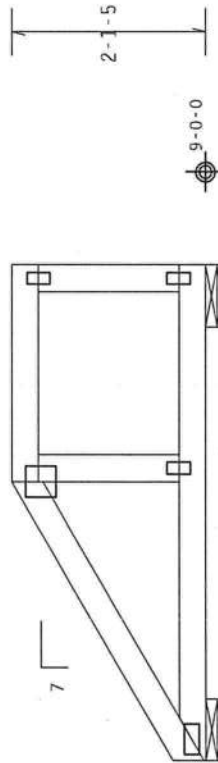
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

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.

4X4= 1.5X3 III

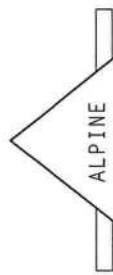


2X4 (A1) =

3-0-0 2-4-0
3-0-0 2-4-0
5-4-0 Over 2 Supports
R-242 U=17 W=8" R-235 U=13 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave



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

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise, refer to drawings 1006-2 or standard plate positions. A seal of approval is hereby given by ITWBCG for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org



Scale = .5" / Ft.	FL / - / 4 / - / - / R / -	REF R487 -- 78246
TC LL 20.0 PSF	TC DL 10.0 PSF	DATE 01/02/12
BC DL 10.0 PSF	BC LL 0.0 PSF	DRW HCUSR487 12002106
TOT.LD. 40.0 PSF	DUR.FAC. 1.25	HC-ENG DF/DF
SPACING 24.0"	SEQN- 256450	
	JREF- 1UIB487_Z01	

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - H5M)

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

Roof overhang supports 2.00 psf soffit load.

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

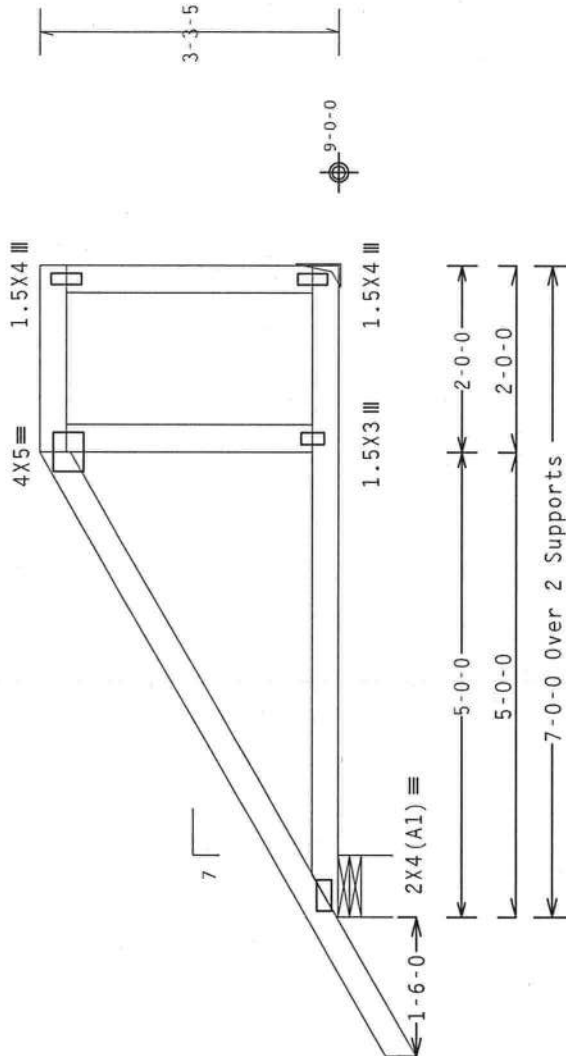
#1 hfp supports 5-0-0 jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 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.



R-488 U=59 W=8"

R=505 U=59 W=8"

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-4/-/-R/-
Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R487-- 78247
TC DL	10.0 PSF	DATE	01/02/12
BC DL	10.0 PSF	DRW	HCUSR487 12002107
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	256457
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UIB487_Z01

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DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
07/02/2012

ALPINE

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

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - M3G)

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

110 mph wind, 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpl(+/-)=0.18

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

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

Deflection meets L/240 live and L/180 total load.

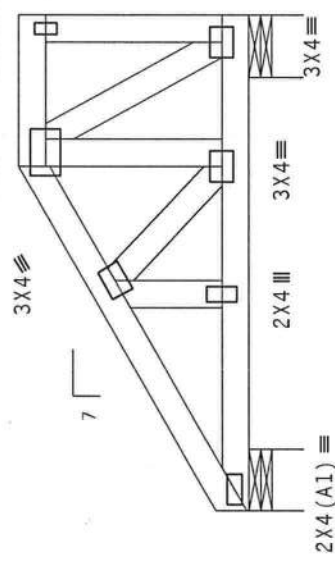
Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at 0.00 to 63 plf at 3.71
TC- From 63 plf at 3.71 to 63 plf at 5.33
BC- From 20 plf at 0.00 to 20 plf at 2.27
BC- From 20 plf at 2.27 to 10 plf at 5.33
BC- 692.95 lb Conc. Load at 2.27, 4.27

Right end vertical not exposed to wind pressure.

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

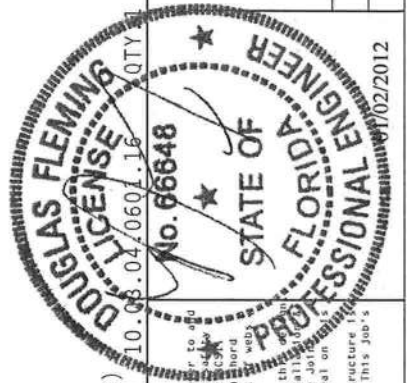
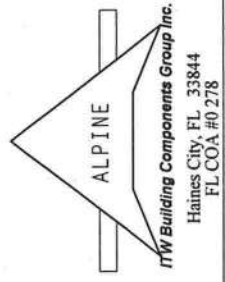
4X6= 1.5X3 III



2X4 (A1) =
2'-4-0
2'-4-0
1'-4-8
1'-4-8
3'-8-8
1'-7-8
1'-7-8
1'-7-8
R=770 U-0 W-8"
R=1029 U-0 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave



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Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487--	78248
TC DL	10.0 PSF	DATE	01/02/12	
BC DL	10.0 PSF	DRW	HCUSR487	12002108
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	256479	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIB487_Z01	

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - M5G)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCPI(+/-)=0.18

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

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

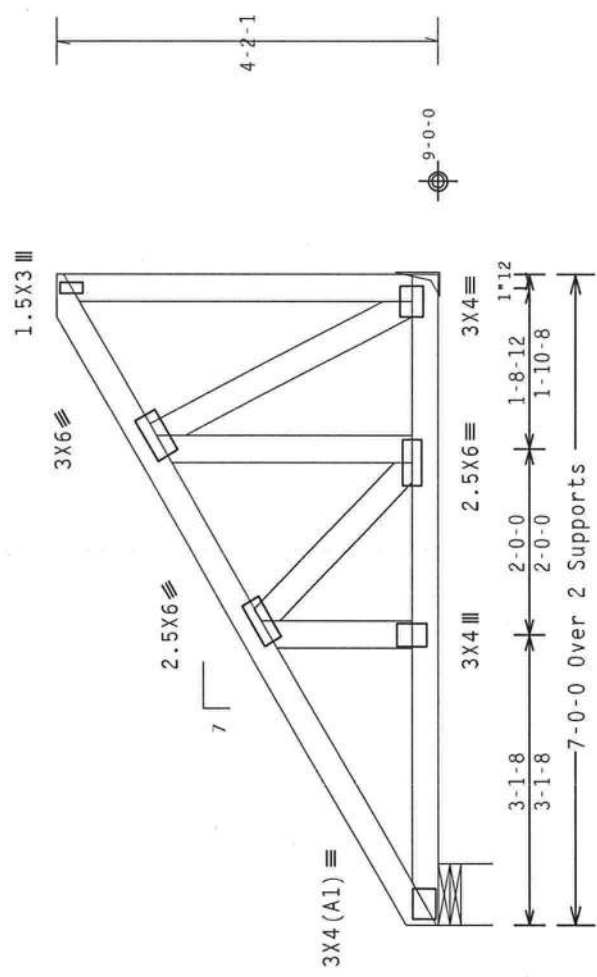
Special loads

----- (Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 63 plf at 0.00 to 63 plf at 7.00
BC- From 10 plf at 0.00 to 10 plf at 6.54
BC- From 15 plf at 6.54 to 15 plf at 7.00
BC- 692.95 lb Conc. Load at 1.06, 3.06, 5.06

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load.



R-1456 U=0 W=8"

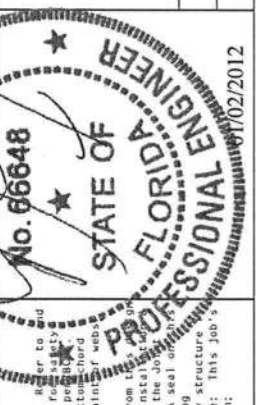
R-1137 U=0

PLT TYP. Wave

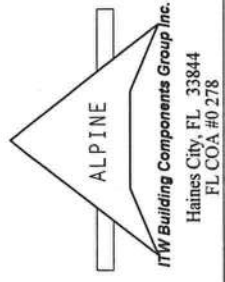
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0% / 0 (0))

FL/-/4/-/-/R/-
Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R487-- 78249
TC DL	10.0 PSF	DATE	01/02/12
BC DL	10.0 PSF	DRW	HCUSR487 12002109
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	256490
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UIB487_Z01



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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 1804-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; MICA: www.bcsiindustry.com; ICC: www.iccsafe.org



(11-232--Fill) in later BRYAN ZECHER/GLENN -- , ** - EJ7S)

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

Roof overhang supports 2.00 psf soffit load.

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

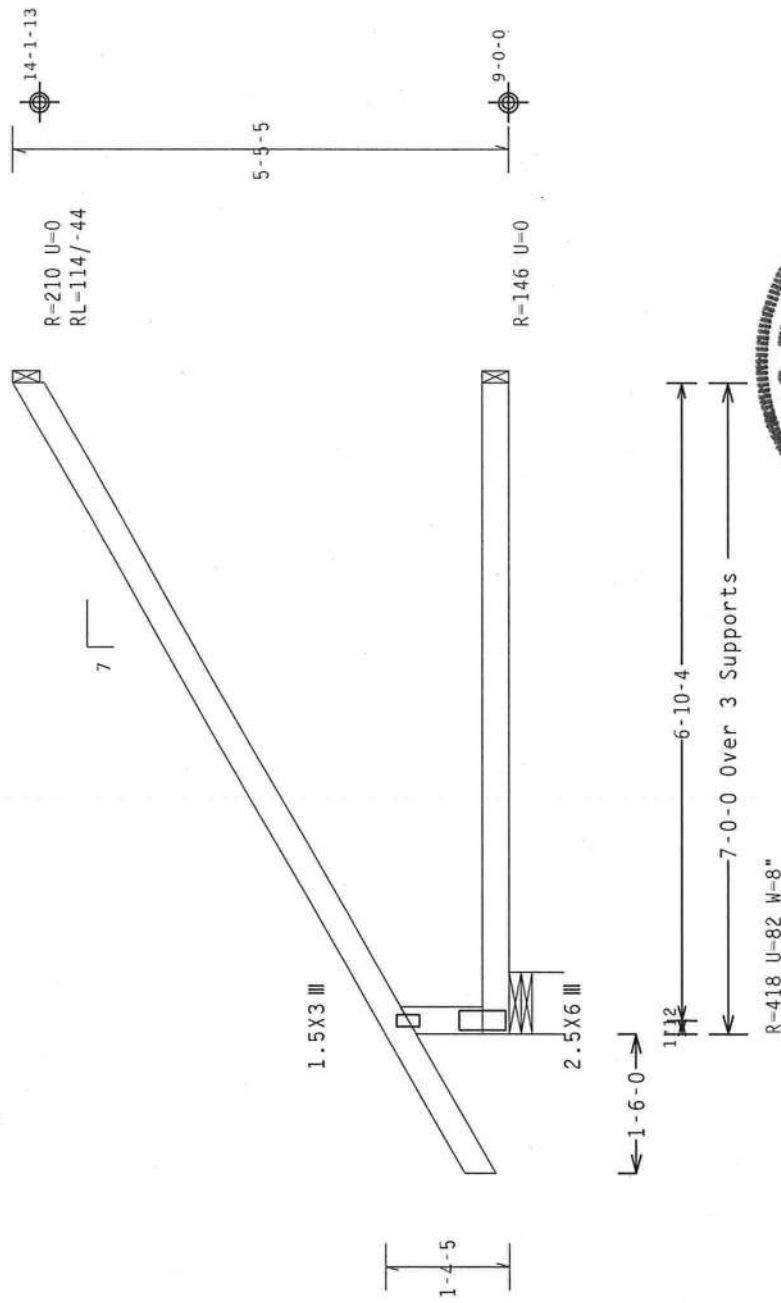
Provide (2) 16d common nails(0.162"x3.5"). toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"). toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind IC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

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

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

Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = 5"/Ft.



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I/M Building Components Group Inc. (I/MBCGI) shall not be responsible for any deviation from the details, unless noted otherwise. Refer to drawings 1000-2 for standard plate positions. A seal on the drawings shall indicate the date of the design. 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: I/M-BCSI: www.itubcg.com; TPI: www.tpiinst.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org

ALPINE

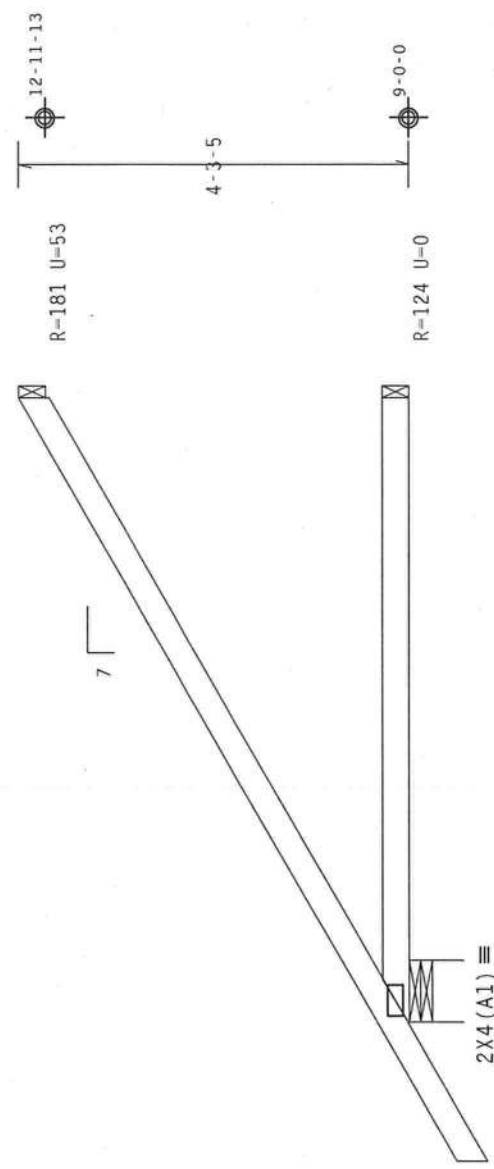
I/M Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

TC LL	20.0 PSF	FL/-/4/-/-/R/-	REF	R487--	78250
TC DL	10.0 PSF		DATE	01/02/12	
BC DL	10.0 PSF		DRW	HCUSR487	12002038
BC LL	0.0 PSF		HC-ENG	DF/DF	*
TOT.LD.	40.0 PSF		SEQN-	256493	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UIB487_Z01	

(11-232--Fill) in later BRYAN ZECHER/GLENN --, ** - J3)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.
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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 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.



1-6-0
6-8-9 Over 3 Supports
R=401 U=16 W=8"
RL=110/-43

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

ALPINE
Haines City, FL 33844
FL COA #0278

ITW Building Components Group Inc.

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

10.03.04.0604.1E
QTY 1

Scale = .5" / Ft.

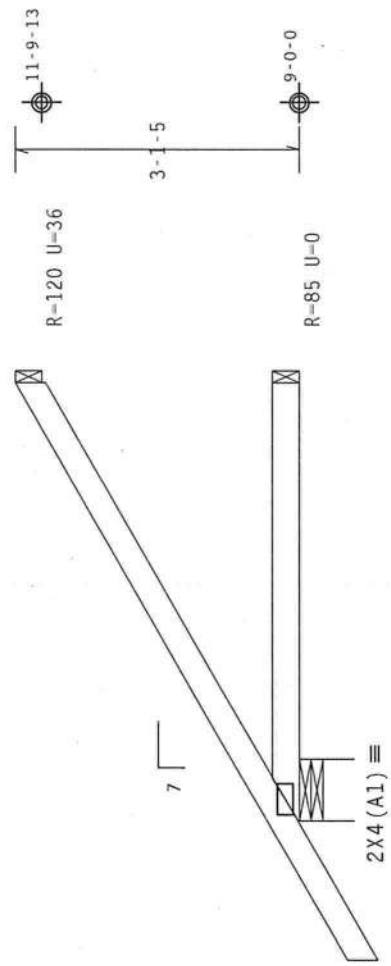
TC LL	20.0 PSF	REF	R487--	78251
TC DL	10.0 PSF	DATE	01/02/12	
BC DL	10.0 PSF	DRW	HCUSR487	12002110
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN	256496	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UIB487_Z01	

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(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - J2)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.
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.

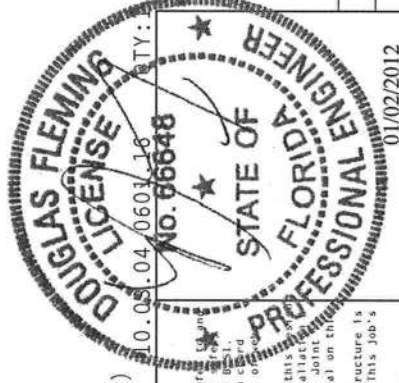
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)-0.18
Wind loads and reactions based on MWFRS with additional C&C member design.
Deflection meets L/240 live and L/180 total load.



1-6-0
4-8-9 Over 3 Supports
R-324 U=18 W=8"
RL-83/-37

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave	Scale = .5"/Ft.	
	FL / - / 4 / - / - / R / -	REF R487-- 78252
	TC LL 20.0 PSF	DATE 01/02/12
	TC DL 10.0 PSF	DRW HCUSR487 12002111
	BC DL 10.0 PSF	HC-ENG DF/DF
ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	BC LL 0.0 PSF	SEQN- 256499
	TOT.LD. 40.0 PSF	DUR.FAC. 1.25
	SPACING 24.0"	JREF- 1UIB487_Z01



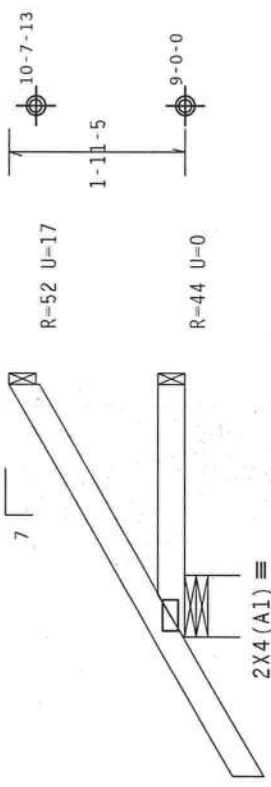
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for best 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 top chord shall have bracing installed per BCSI sections 83, 87 or 810, 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 conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbog.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-232--Fill) in later BRYAN ZECHER/GLENN -- , ** - J1)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Roof overhang supports 2.00 psf non-concurrent live load.
Bottom chord checked for 10.00 psf non-concurrent live load.
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.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1W=1.00 GCPI(+/-)=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.



←1-6-0→
←8-9 Over 3 Supports→
R=256 U=22 W=8"
RL=56/-31

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

ALPINE
rW 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.
****IMPORTANT**** 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 WCA) 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 restraining of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise, refer to drawings 160A-2 for standard plate positions. A seal on the drawings is required for the drawings to be used. The seal shall be placed on the drawings and the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sciindustry.com; ICC: www.iccsafe.org

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
01/02/2012

Scale = .5" / Ft.	FL / - / 4 / - / - / R / -	20.0 PSF	REF R487 -- 78253
TC LL	TC DL	10.0 PSF	DATE 01/02/12
BC DL	BC LL	0.0 PSF	DRW HCUSR487 12002039
TOT.LD.	DUR.FAC.	1.25	HC-ENG DF/DF *
SEQN -	SPACING	24.0"	256502
JREF -			1UIB487_Z01

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - J4)

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

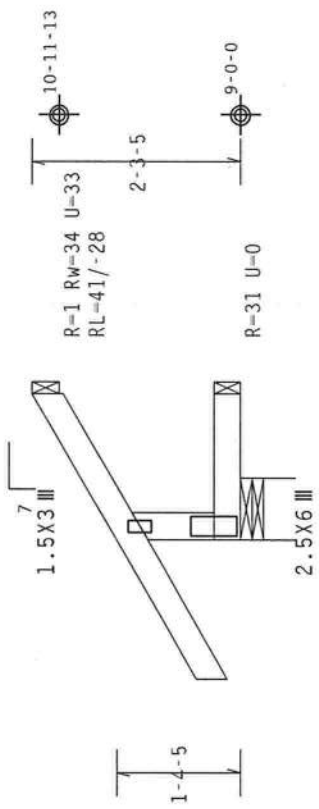
Roof overhang supports 2.00 psf soffit load.

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

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.

110 mph wind. 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg. Located anywhere in roof. CAT II, Exp B, wind IC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 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.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

FL/-4/-/-R/-
Scale = .5"/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.		No. 66848 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/02/2012		TC LL 20.0 PSF	REF R487-- 78254
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for 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 web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.				★ TC DL 10.0 PSF	DATE 01/02/12
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.bcsiindustry.com; ICC: www.iccsafe.org				BC DL 10.0 PSF	DRW HCUSR487 12002040
					BC LL 0.0 PSF	HC-ENG DF/DF ★
					TOT.LD. 40.0 PSF	SEQN- 256505
					DUR.FAC. 1.25	
				SPACING 24.0"	JREF- 1UIB487_Z01	

(11-232--Fill) in later BRYAN ZECHER/GLENN -- , ** - J5)

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

Roof overhang supports 2.00 psf soffit load.

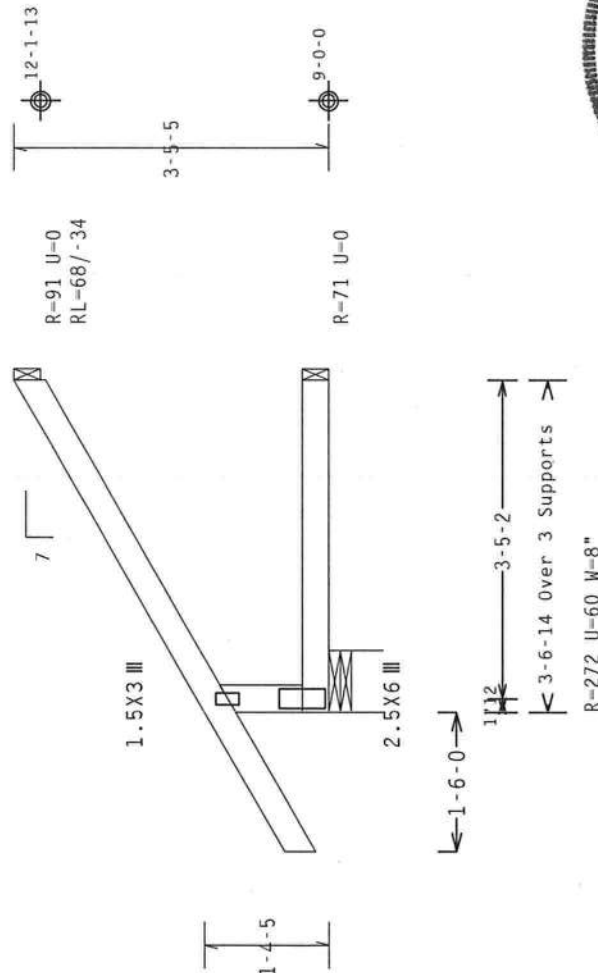
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 GCpl(+/-)-0.18

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

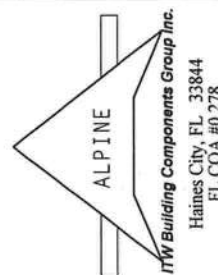
Deflection meets L/240 live and L/180 total load.



R-272 U=60 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing and 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 of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or 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 job site. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering structural design by the responsible engineer or the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



Scale = .5"/Ft.

FL/-4/-1-/R/-	TC LL	20.0	PSF	REF	R487--	78255
	TC DL	10.0	PSF	DATE	01/02/12	
	BC DL	10.0	PSF	DRW	HCUSR487	12002041
	BC LL	0.0	PSF	HC-ENG	DF/DF	*
	TOT.LD.	40.0	PSF	SEQN-	256508	
	DUR.FAC.	1.25				
	SPACING	24.0"		JREF-	1UIB487_Z01	

(11-232--Fill) in later BRYAN ZECHER/GLENN --, ** - J6)

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

Roof overhang supports 2.00 psf soffit load.

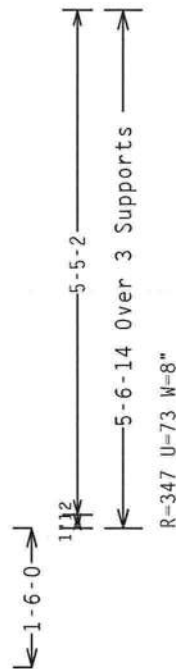
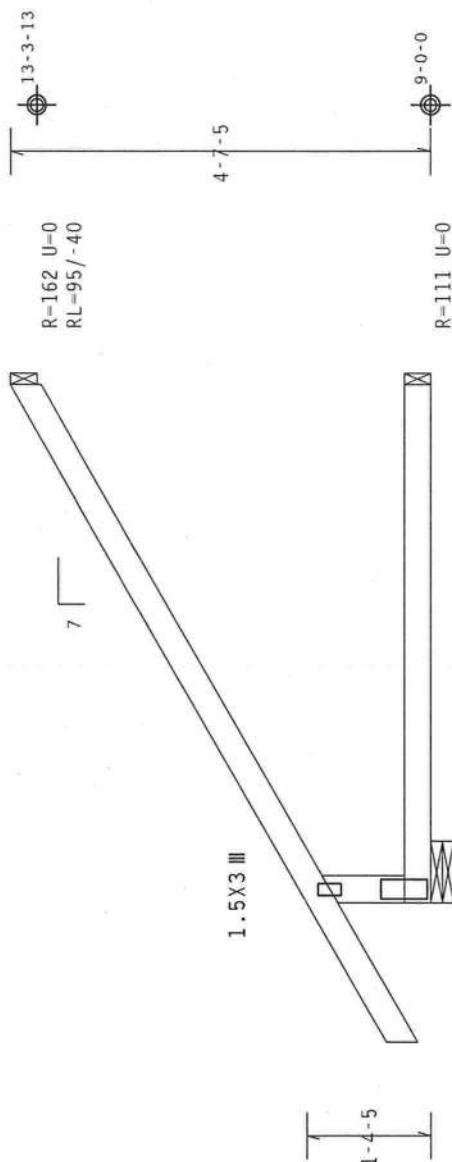
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT 11, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 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.



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

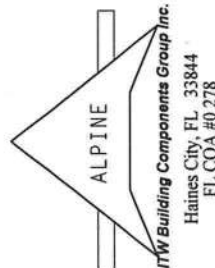
Scale = .5"/Ft.



IMPORTANT: 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 Safety Information, by TPI and MICA) for the 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 top 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 for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint drawings. The drawings are for informational purposes only. The responsibility of professional engineering is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.sbctindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	FL/-/4/-/R/-	REF	R487--	78256
TC DL	10.0 PSF		DATE	01/02/12	
BC DL	10.0 PSF		DRW	HCUSR487	12002042
BC LL	0.0 PSF		HC-ENG	DF/DF	*
TOT.LD.	40.0 PSF		SEQN-	256511	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UIB487_Z01	

(11-232--Fill in later BRYAN ZECHER/GLENN --, ** - HJ7S)

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

Hipjack supports 7-0-0 setback jacks with no webs.

Deflection meets L/240 live and L/180 total load.

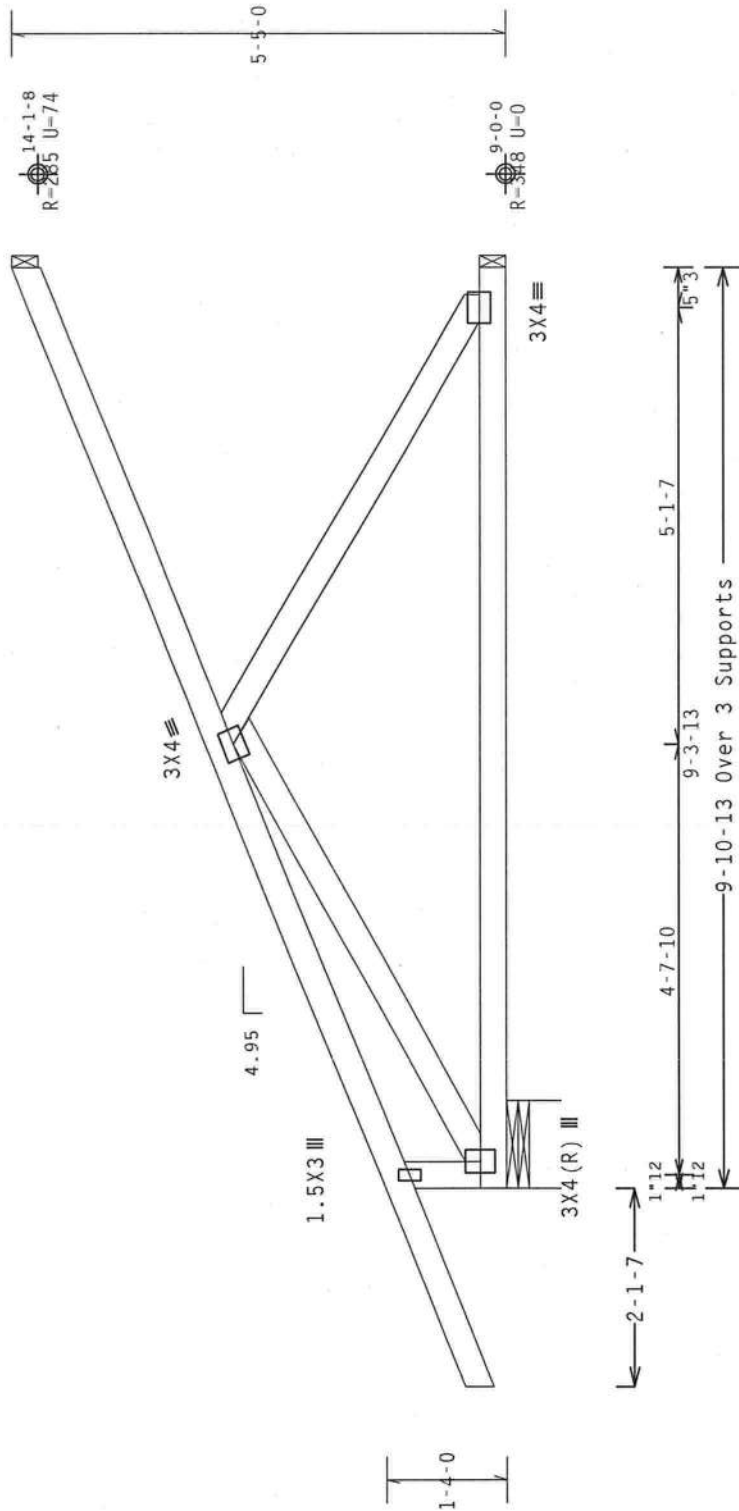
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, LW=1.00 GCpf(+/-)=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 { 3 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

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.
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 MICA) 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 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 the design of 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 job. Details, unless noted otherwise, shall be in accordance with the latest edition of the BCSI drawing and detailing standards. The suitability and use of this design for any structural application is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: ITW-BCG general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.bcsiindustry.com; ICC: www.iccsafe.org

Scale = .5"/Ft.

TC LL	20.0 PSF	FL/-/4/-/R/-	REF	R487--	78257
TC DL	10.0 PSF		DATE	01/02/12	
BC DL	10.0 PSF		DRW	HCUSR487	12002112
BC LL	0.0 PSF		HC-ENG	DF/DF	
TOT.LD.	40.0 PSF		SEQN-	256516	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UIB487_Z01	

1110 mph wind. 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpf(+/-)-0.18

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

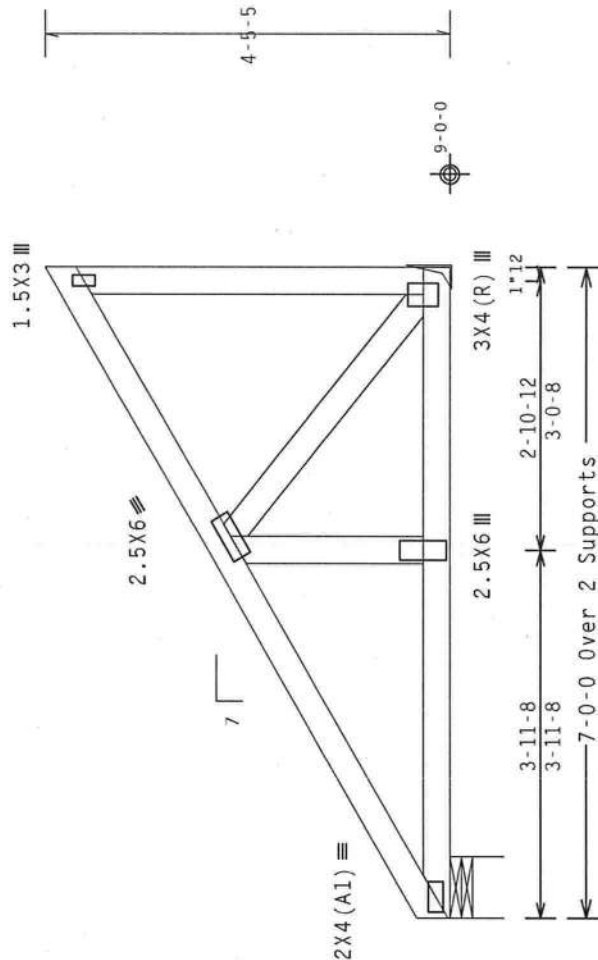
Bottom chord checked for 10.00 psf non-concurrent live load.

Special loads

	Dur. Fac.-1.25 / Plate Dur. Fac.-1.25	
	63 pif at 0.00 to 63 pif at 7.00	10 pif at 0.00 to 10 pif at 7.00
TC-From	1b Conc. Load at 1.09	
BC-From	1b Conc. Load at 3.06	
BC-130.16	1b Conc. Load at 5.06	
BC-704.39	1b Conc. Load at 5.06	
BC-491.99	1b Conc. Load at 5.06	

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.



R-917 U-89 W-8"

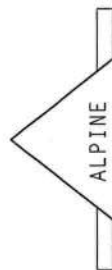
R-921 U-98

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487-- 78258
TC DL	10.0	PSF	DATE 01/02/12
BC DL	10.0	PSF	DRW HCUR487 12002113
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 256694
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UIB487 Z01



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!

[illegible]

LTV Building Components Group Inc. (LTVBC) shall not be responsible for any deviation from the manufacturer's instructions or specifications for the design, fabrication, installation, erection, or performance of its products. LTVBC shall not be responsible for any failure to build the truss in conformance with ANSI/PPI 1, or for handling, shipping, installing, or erecting of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail Drawing. The drawings are intended to provide information about the product and do not constitute a contract. Details, unless noted otherwise. Refer to Drawings 160A-2 for standard plate positions. A seal on the drawing or covering or cover page listing this drawing, indicates acceptance of professional engineering responsibility by the engineer listed below. The Engineer and/or this design for any structure shall retain full responsibility for the design. LTV Building Components Group Inc., 1175 S. 300 E., Suite 200, Salt Lake City, UT 84143. Tel: 801-972-1100. Fax: 801-972-1101. Email: sales@lrv.com. Web: www.lrv.com. General notes pages: PPI: www.ppi.net.org; WCA: www.wcaindustry.com; LTV-BGCS: www.160bcg.com; PPI: www.ppincst.org.



Top	chord	2x4	SP	#1
8ot	chord	2x4	SP	#1
	webs	2x4	SP	#3

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpf(+/-)=0.18

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

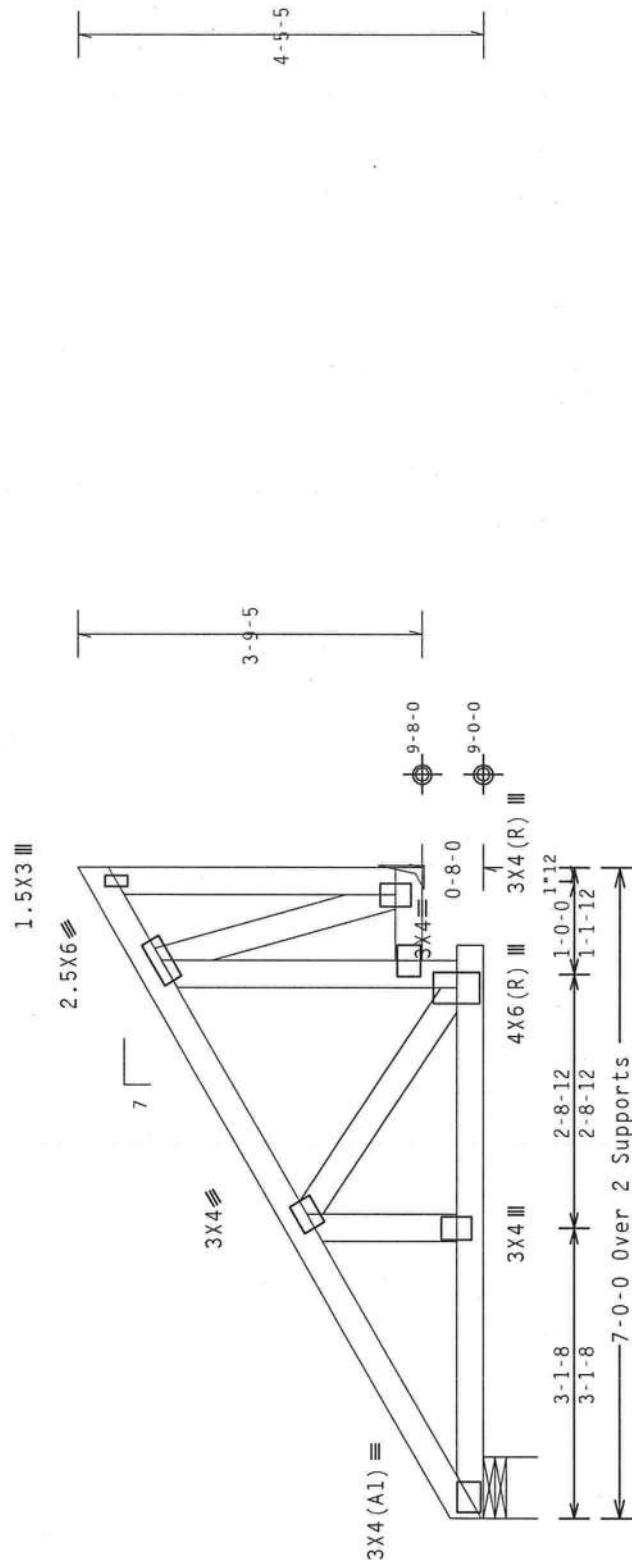
Bottom chord checked for 10.00 psf non-concurrent live load.

Special loads

Spectral loads	(Lumber)	Dur.Fac.-1.25 / Plate	Dur.Fac-1.25)
TC-from	63 plf at 0.00	to 63 plf at 7.00	
BC-from	10 plf at 0.00	to 10 plf at 6.17	
BC-to	20 plf at 6.17	to 20 plf at 7.00	
BC-130-16	lb Conc.	Load at 1.09	
BC-704-39 lb Conc.	Load at 3.06		
BC-491-99 lb Conc.	Load at 5.06		

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.



R-918 U-89 W-8"

R-929 U-98

P.L.T. TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

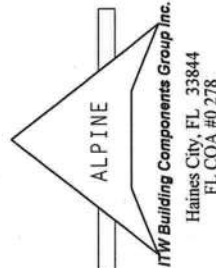
FL/-/4/-/-/R/-

Scale = .5"/Ft.

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses must follow the latest edition of BCSP (Building Component Safety Information, by IPF and NICA) rules and safety practices prior to erecting these functions. Installers shall provide temporary bracing per BCSP requirements unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Ceiling shall have permanent lateral restraint of web members having bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

Haines City, FL 338
FL COA #0278

the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see:
 ITW-BG: www.itwbg.com; TPI: www.tpinst.org; UTCA: www.bciindustry.com;

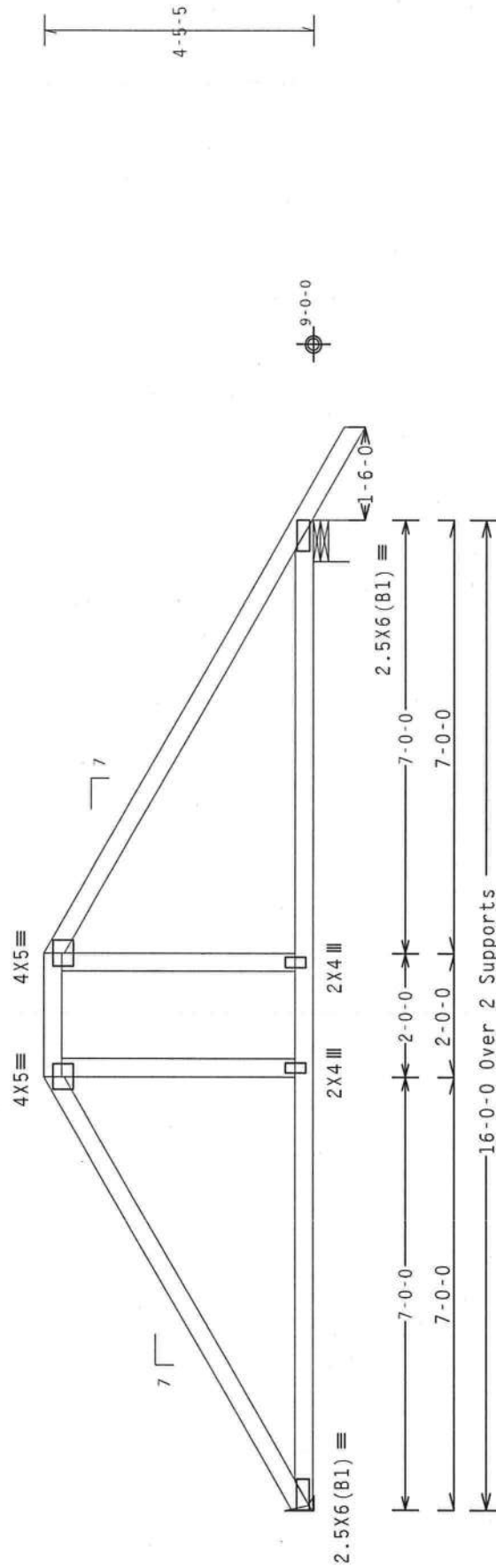
2102/2016/Amendment/02/2012

REF- 1UIB487_Z01

Roof overhang supports 2.00 psf soffit load.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 0-0-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang.



R=1253 U=102

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

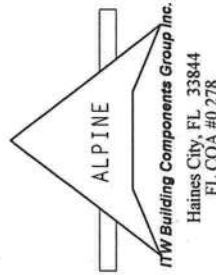
FL/-/4/-/-/R/-/-

Scale = .375"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS, TRADING 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 IPI and NACA for best practices prior to performing these functions. Installers shall provide temporary bracing and blocking to support the trusses until the permanent bracing is installed. Trusses shall be braced in accordance with the following:

LTD Building Components Corp. Inc. (LIMACO) shall not be responsible for any deviation from the drawings shown on this drawing set. The drawings are intended for use as a guide only. The bracing of trusses, apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings L60A-2 for standard plate positions. A seal or drawing or cover page listing this drawing. Indicates acceptance of professional engineering drawing 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/APRI 1 Sec.2. For more information see: www.limaco.com; info@limaco.com; www.design.com; www.apri.net.org; WCH@wch-usa.com; www.tscapac.org



James City, FL 338
FL COA #0278

This job's

01/02/2012

SPACING	24.0"
---------	-------

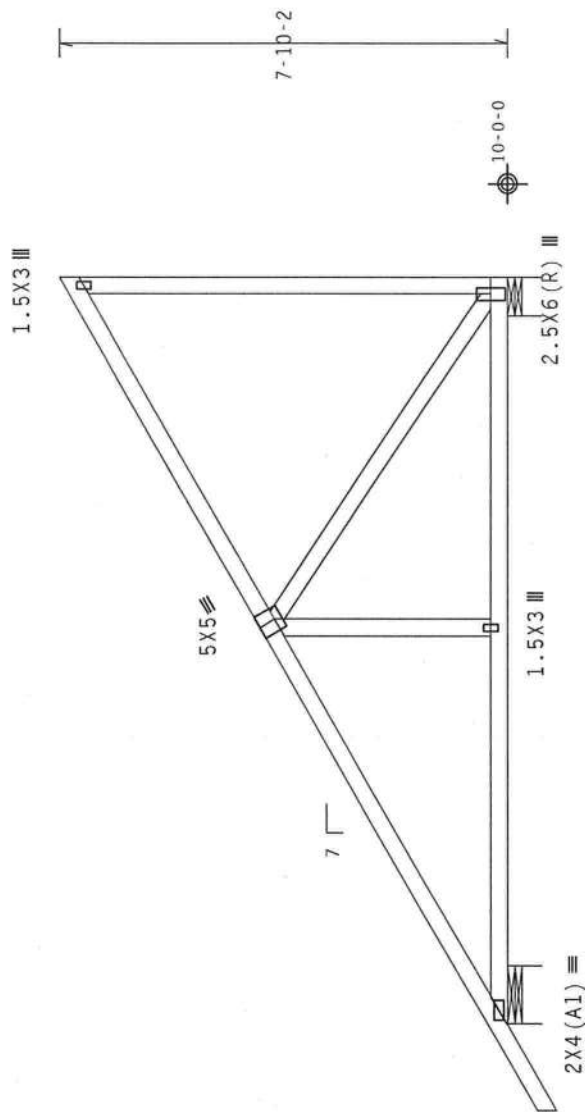
JREF- 1UIB487 Z01

110 mph wind. 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. IW=1.00 GCpl (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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

Deflection meets L/240 live and L/180 total load.



7-9-A

A number line diagram illustrating the addition of three fractions. The line has four tick marks. The first segment is labeled $\frac{6}{9}$, the second $\frac{9}{13}$, and the third $\frac{1}{12}$. The total length of the line is labeled $5 \frac{10}{13}$.

← 12-10-0 Over 2 Supports

R-649 U=0 W=12"

RL-129/-62

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .3125"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!

*****IMPORTANT*****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety) information, by IPI and WICA for proper practices prior to performing these functions. Installers shall provide temporary bracing per WICA 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 webs shall have bracing installed per CSI sections 83, 82 or B10, as applicable.

ILW Building Components Group Inc. (ILWBCO) shall not be responsible for any deviation from the design shown on this drawing. ILWBCO shall not be responsible for the adequacy of the design or the proper erecting of trussing. Apply plates to each face of truss and position as shown above. See the details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the 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/P11 Sec.2. For more information see: this job's general notes page. ILW-BDGO: the building designer; ILW-P11: www.p11.com; ILW-BDGO: www.sbcindustrial.com; ILW-BDGO: www.sbcindustrial.com; ILW-BDGO: www.sbcindustrial.com; ILW-BDGO: www.sbcindustrial.com.

PLT TYP. Wave



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

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

TC LL	20.0 PSF
-------	----------

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOTAL 40.0 PSF

101. EAC	10.0
DUP EAC	1.25

CDACINC	24 01
DOK.FAC.	1.23

01/02/2012

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - M1)

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

Roof overhang supports 2.00 psf soffit load.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

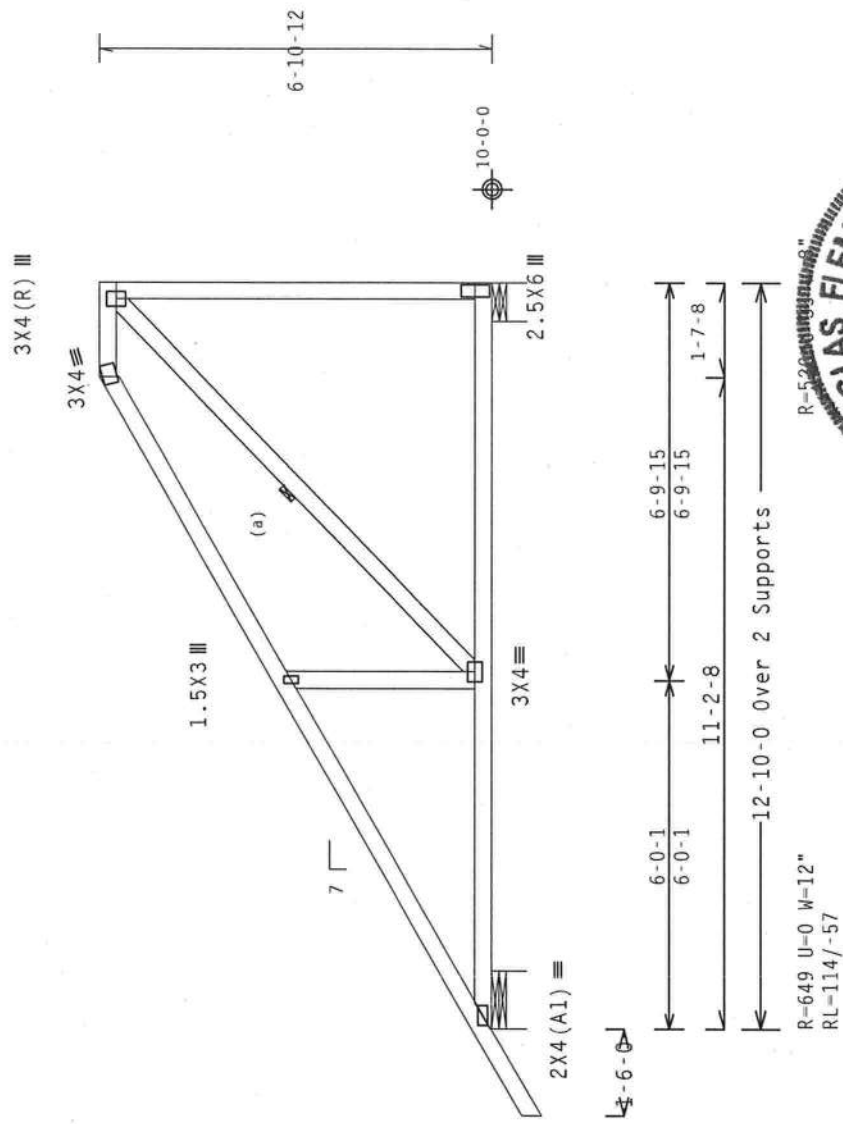
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 gcpl(+/-)-0.18

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

Right end vertical not exposed to wind pressure.

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

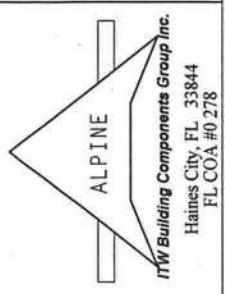
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0% / 0 (0))

PLT TYP. Wave	Scale = .3125"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"
REF	R487-- 78262
DATE	01/02/12
DRW	HCUSR487 12002044
HC-ENG	DF/DF *
SEQN	256535
JREF	1UIB487_Z01

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per the drawing unless noted otherwise. Top 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 the drawing or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the back of the drawing or the drawing page listing this disclaimer. Indicate acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org



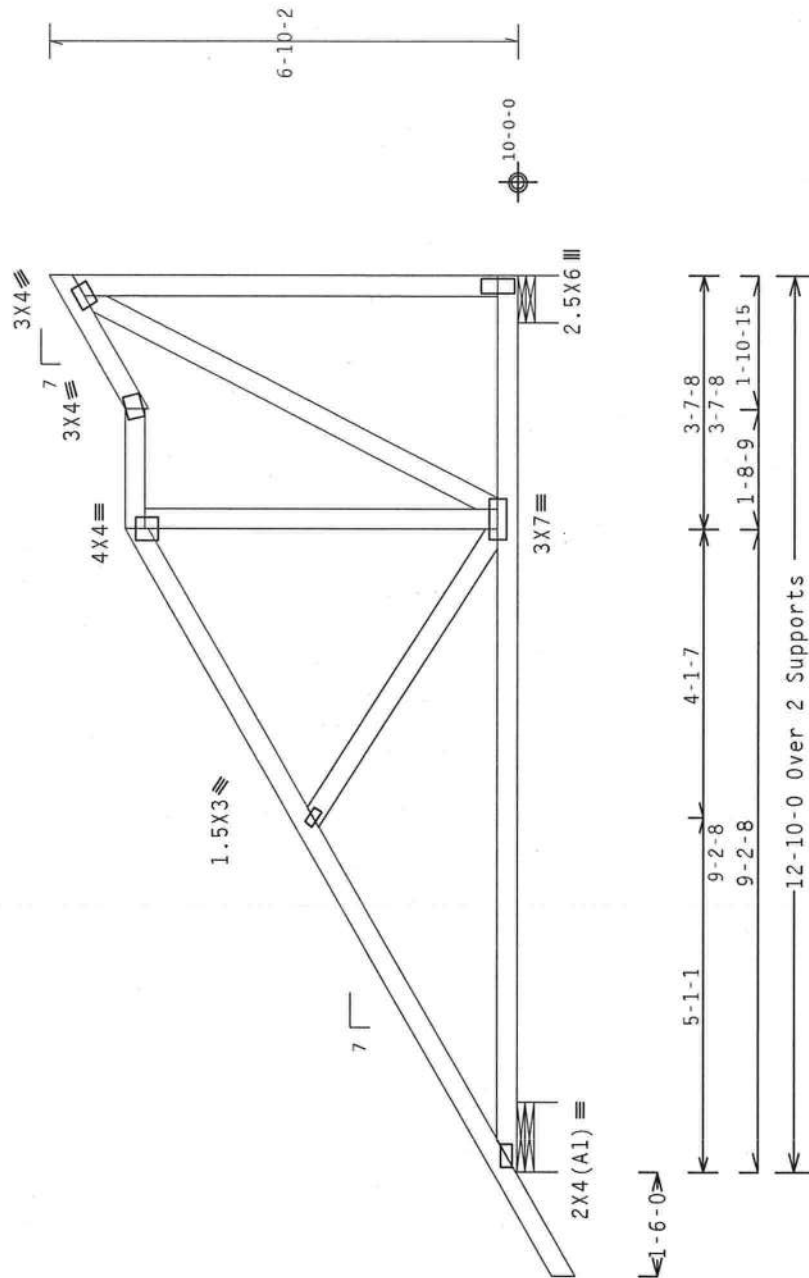
110 mph wind. 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCp1 (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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

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

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



R-649 U=0 W=12"
RL-113/-57

Design Crit: FBC2007Res/TPI-2002(STD)

Scale = .375"/Ft.

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

TY:

~~07.16~~

09.04/

(212)

0% / 0%

$$E_a/RT = 10$$

11.11

Dec 1911

ve

Түр. 1

PL

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Ref. to the following the latest edition of BCSP (Building Component Safety) Information, by IPS and WICA) for best practices noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached roof ceiling. Connections for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

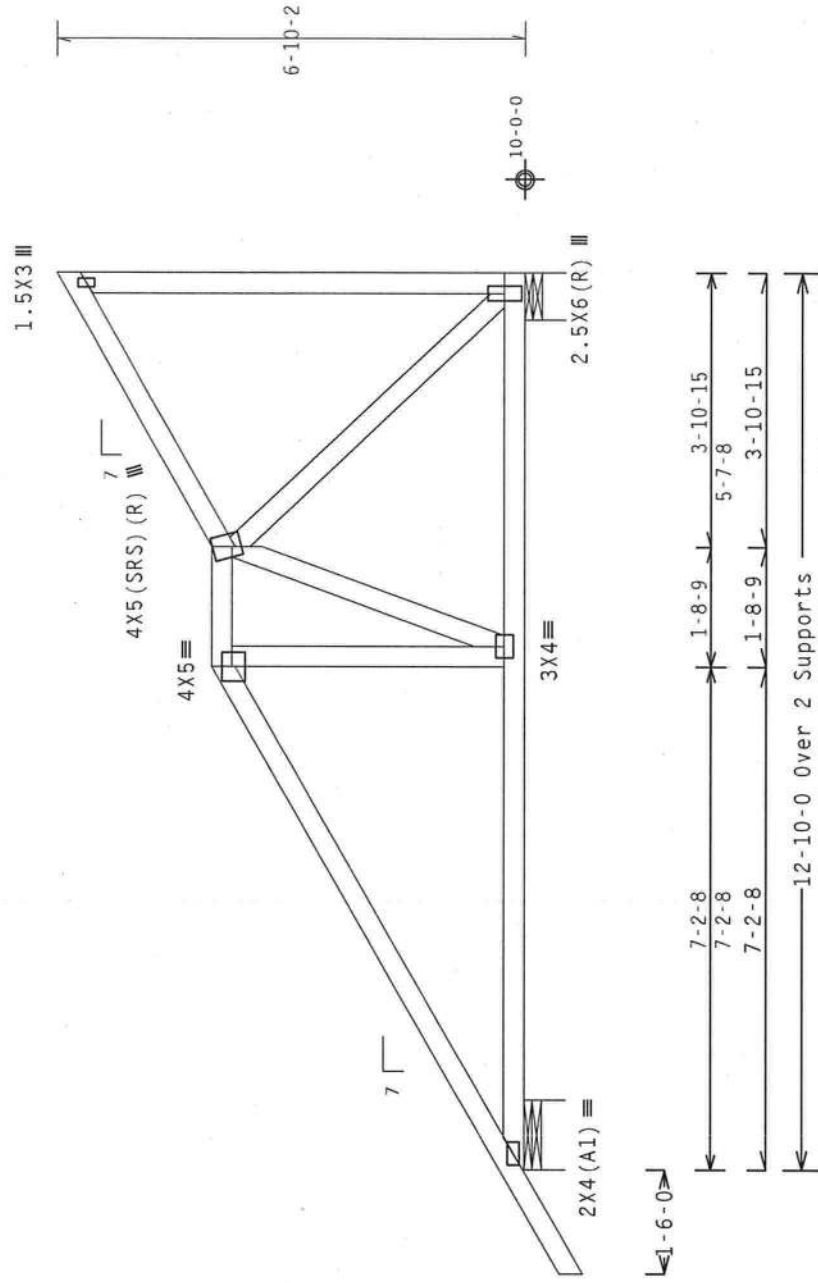
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 1, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpt (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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

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

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



R-649 U=0 W=12"
RL-113/-57

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

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

Scale = 375"/Ft.

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

IMPORTANT FURNISH THIS DESIGN TO ALL COMPANIONS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety Information, by TPI and HICA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Trusses shall have a properly attached rigid ceiling. Locations for permanent lateral restraint shall have bracing installed per BCSP sections 8.0, 8.7 or 8.9, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the drawings or specifications herein. The drawings and specifications are intended to provide information for the bidding of trusses. Apply plates to each face of truss and position as shown above and on the following details, unless noted otherwise. Refer to drawings T60A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, Inductance 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 specification. ITWBCG: www.itwbcg.com; TPI: www.tpiinc.org; WJCC: www.sacindust.com; EESC: www.eescafe.org



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

(11-232--Fill) in later BRYAN ZECHER/GLENN -- . ** - M4)

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

Roof overhang supports 2.00 psf soffit load.

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

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

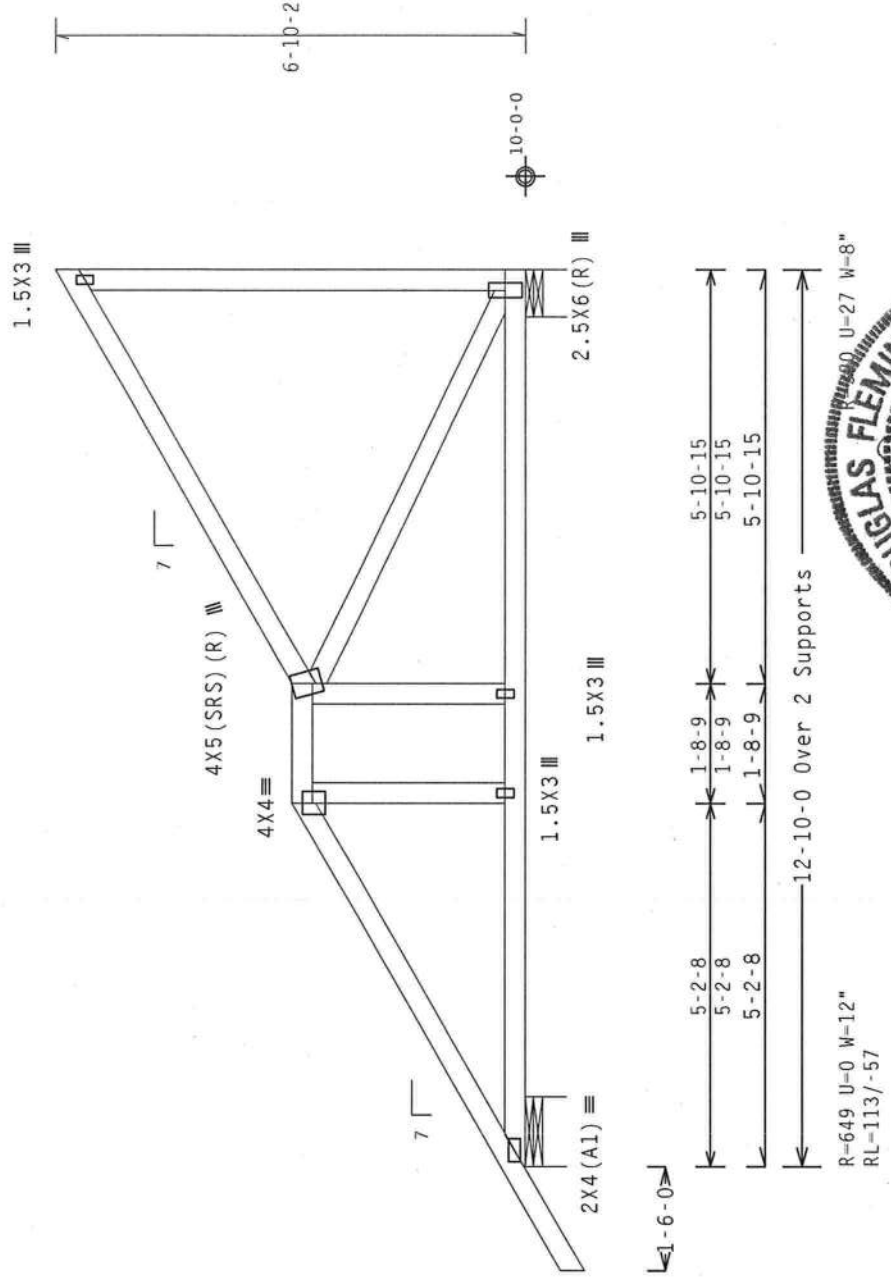
MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg. not located within 9.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18

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

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

Scale = .375"/Ft.		FL/-/4/-/-/R/-	TC LL	20.0 PSF	REF R487-- 78265
No. 66848		TC DL	10.0 PSF	DATE	01/02/12
Professional Engineer		BC DL	10.0 PSF	DRW	HCUSR487 12002118
Douglas Fleming		BC LL	0.0 PSF	HC-ENG	DF/DF
State of Florida		TOT.LD.	40.0 PSF	SEQN-	256549
Professional Engineer		DUR.FAC.	1.25		
7/02/2012		SPACING	24.0"	JREF-	1UIB487_Z01

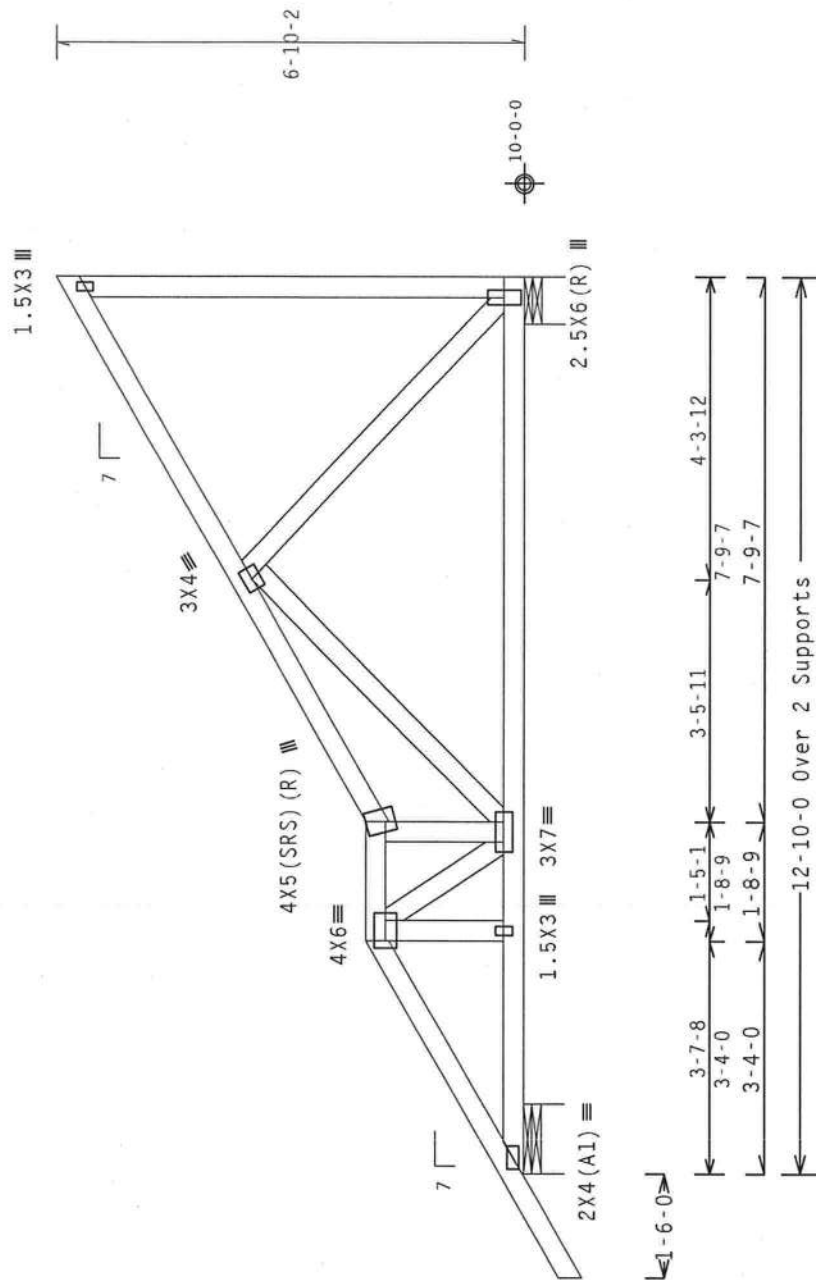
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpt(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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

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

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



R=649 U=0 W=12"
RL=113/-57

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

Scale = .375" / Ft.

REF R487-- 78266

DATE 01/02/12

ORW HCUSR487 12002119

IC-FNG DF/DF

CEON- 256556

000007 11870

INDEX- 111TR197 701

REF ID: A6487201

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
 REGARDING THIS DESIGN TO ALL CONTRACTORS BEFORE INSTALLING
 THE PRODUCT

Installers require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following latest edition of BCSP (Building Component Safety Information, by IPI and HICA) for installation practices prior to performing these functions. Installers shall provide temporary bracing per code and notice. All bracing shall be attached to structural steel members, blocking and bottom chord members. Properly attached wall column locations, however, must be permanently braced and shall have bracing installed per UESL sections 83, 82 or 810, as applicable.

[illegible]



ALPINE

ITW Building Components Group Inc.
 Haines City, FL 33844
 FI COA #0778

(11-232--Fill in later BRYAN ZECHER/GLENN -- . ** - MG)

Top chord 2x4 SP #1
Bot chord 2x6 SP #26
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCpl(+/-)-0.18

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

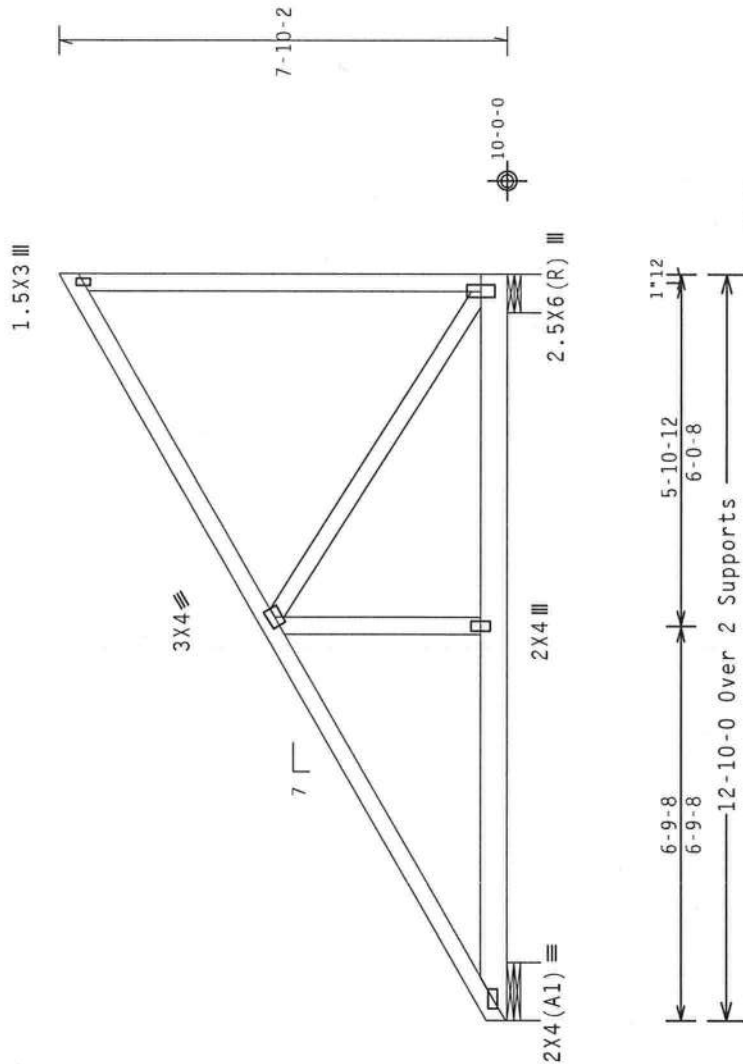
Deflection meets L/240 live and L/180 total load.

Special loads

-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 63 pif at 0.00 to 63 pif at 12.83
BC- From 20 pif at 0.00 to 20 pif at 12.83
BC- 727.43 lb Conc. Load at 1.56

Right end vertical not exposed to wind pressure.

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



R=1186 U=47 W=12"

R-609 U-53

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .3125"/Ft.

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

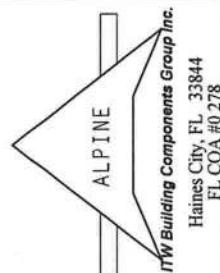
QTY:

10.04 0607.16

TC LL	20.0 PSF	REF	R487--	78267
TC DL	10.0 PSF	DATE	01/02/12	
BC DL	10.0 PSF	DRW	HCUR487	12002120
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN	258268	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UIB487_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for 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 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 the details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering structure and the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org



(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - H21BP)

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

110 mph wind, 21.03 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, 1w=1.00 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.

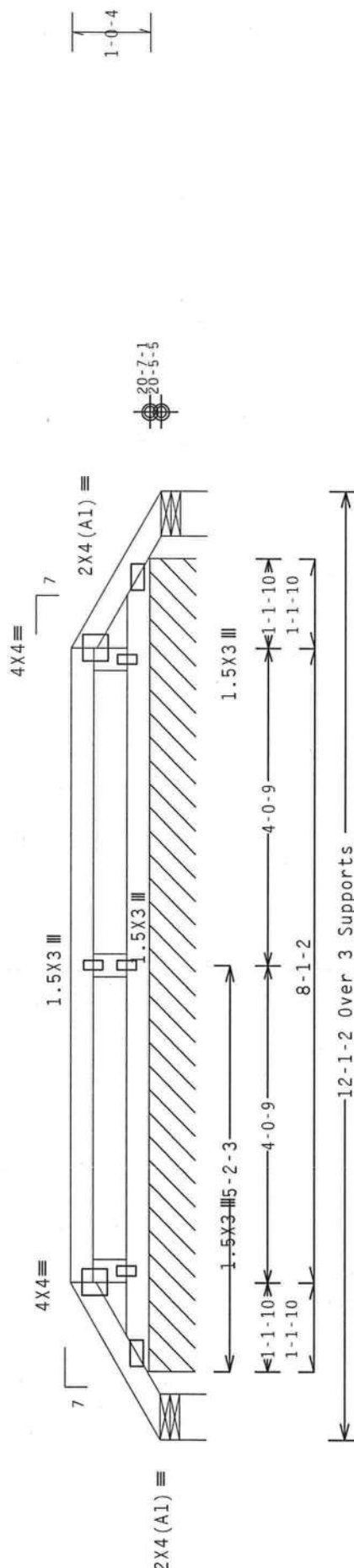
Refer to DWG P81200310 for piggyback details.

Special loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 pif at 0.00 to 63 pif at 2.00
TC- From 63 pif at 2.00 to 63 pif at 10.09
TC- From 63 pif at 10.09 to 63 pif at 12.09
BC- From 4 pif at 0.00 to 4 pif at 12.09

In lieu of structural panels or rigid ceiling use purlins to brace all Flat TC @ 24" OC, all BC @ 24" OC.

MWFRS loads based on trusses located at least 21.03 ft. from roof edge.



R-23 U-8 W=6.946"
RL-23/-2370 PLF U=18 PLF W=10-4-6

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

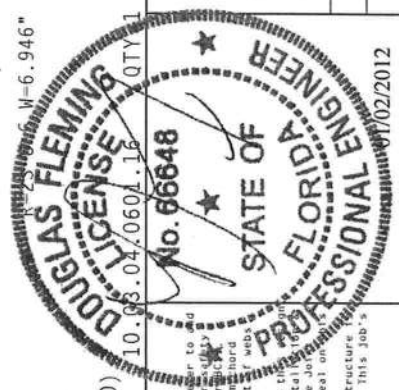
Scale = 5"/Ft.

REF	R487--	78268
DATE	01/02/12	
DRW	HCUSR487	12002121
HC-ENG	DF/DF	
SEQN	256562	
DUR.FAC.	1.25	
SPACING	24.0"	

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	

IMPORTANT** 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 Safety Information, by TPI and WCA) for details. Unless noted otherwise, top 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 the design of trusses. Apply plates to each face of truss and position as shown above and on the Job. The truss manufacturer shall be responsible for the design, fabrication, and installation of the truss. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

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



(11-232--Fill in later BRYAN ZECHER/GLENN -- . ** - H238P)

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

110 mph wind, 21.61 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 9.00 ft from roof edge. CAT II, Exp B, wind TC DL=5.0 psf, wind BC
DL=2.0 psf. Iw=1.00 GCp1(+/-)=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.

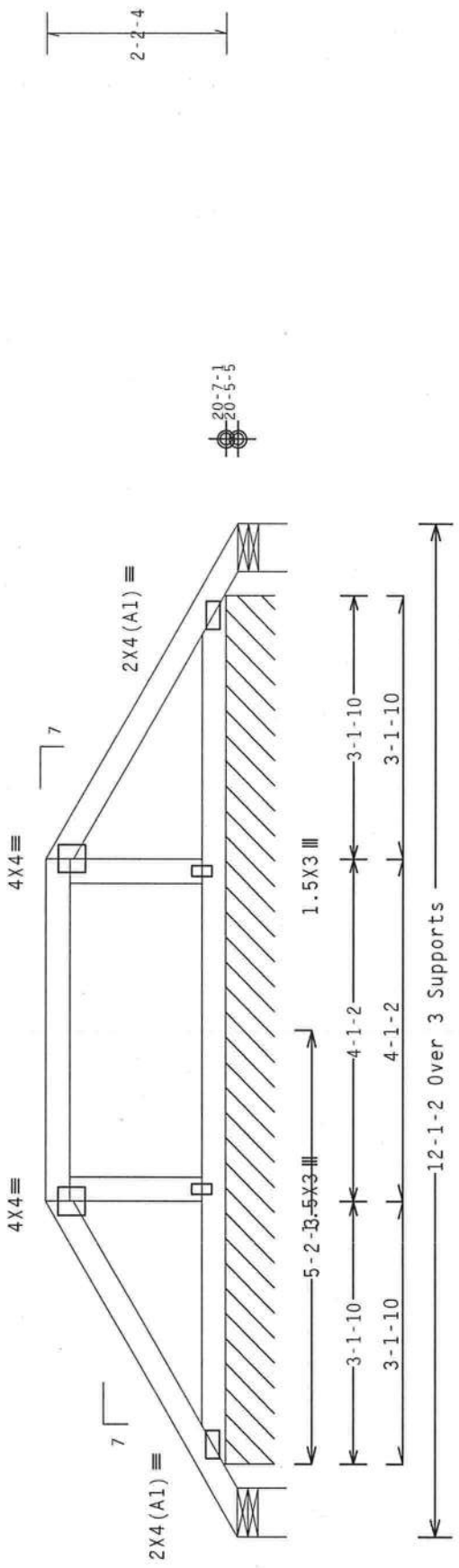
Refer to DWG PB1200310 for piggyback details.

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at 0.00 to 63 plf at 4.00
TC- From 63 plf at 4.00 to 63 plf at 8.09
TC- From 63 plf at 8.09 to 63 plf at 12.09
BC- From 4 plf at 0.00 to 4 plf at 12.09

In lieu of structural panels or rigid ceiling use purlins to brace all
flat TC @ 24" OC, all BC @ 24" OC.

MWFRS loads based on trusses located at least 21.61 ft. from roof edge.



R=-5 RW-33 U-35 W-6.946"
RL-50/-8076 PLF U-12 PLF W-10-4-6

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

ALPINE

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

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/02/2012

Scale = .5" / Ft.	FL / - / 4 / - / - / R / -	20.0 PSF	REF R487 -- 78269
TC LL	20.0 PSF	TC DL	10.0 PSF
TC DL	10.0 PSF	BC DL	10.0 PSF
BC DL	10.0 PSF	BC LL	0.0 PSF
TOT.LD.	40.0 PSF	SEQN -	256568
DUR.FAC.	1.25	JREF -	LU1B487_Z01
SPACING	24.0"		

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - BP)

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

110 mph wind, 22.21 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, 1W=1.00 GCpl(+/-)-0.18

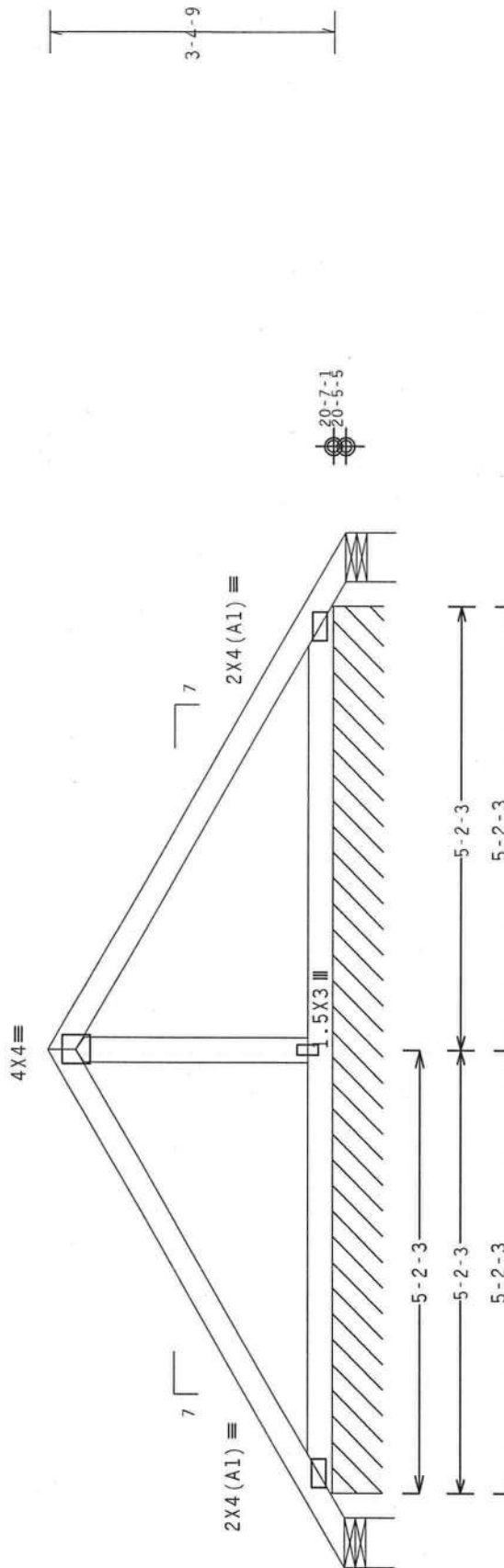
Wind loads and reactions based on MWFRS with additional C&C member design.

MWFRS loads based on trusses located at least 22.21 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

Special loads

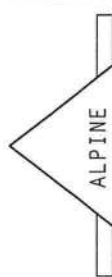
-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25
TC- From 63 plf at 0.00 to 63 plf at 6.05
BC- From 4 plf at 0.00 to 4 plf at 12.09
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Deflection meets L/240 live and L/180 total load.



R-98 Rw-84 U-103 W-6.946"
RL-78/-W893 PLF U-14 PLF W-10-4-6

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave



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

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FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WIGA) for best 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 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 any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the Joint details, unless noted otherwise. Refer to drawings 1606-2 for standard plate positions. A seal on the bottom chord of the truss shall be provided. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG; www.itwbcg.com; TPI: www.tpiinst.org; WIGA: www.sbcindustry.com; ICC: www.iccsafe.org



Scale = .5" / Ft.

FL / - / 4 / - / R / -

TC LL	20.0 PSF	REF R487 -- 78270
TC DL	10.0 PSF	DATE 01/02/12
BC DL	10.0 PSF	DRW HCUSR487 12002123
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 256572
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIB487_Z01

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - AP3)

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

110 mph wind, 21.96 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, lw=1.00 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.

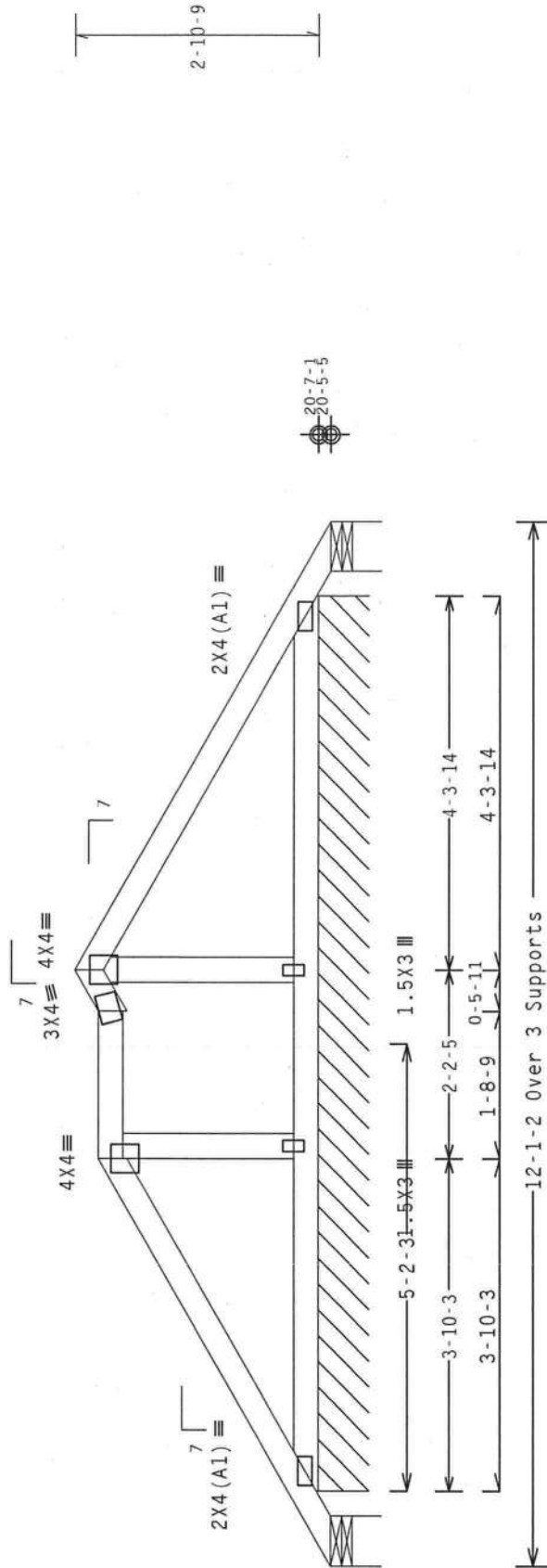
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25
TC- From 63 plf at 0.00 to 63 plf at 4.71
TC- From 63 plf at 4.71 to 63 plf at 6.43
TC- From 63 plf at 6.43 to 63 plf at 6.90
TC- From 63 plf at 6.90 to 63 plf at 12.09
BC- From 4 plf at 0.00 to 4 plf at 12.09

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

MWFRS loads based on trusses located at least 21.96 ft. from roof edge.

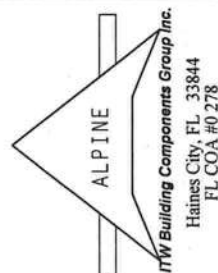


R=-45 RW=49 U=58 W=6.946"
RL=66/-B786 PLF U=12 PLF W=10-4-6

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave



Scale = 5"/Ft.

REF	R487--	78271
DATE	01/02/12	
DRW	HCUSR487	12002124
HC-ENG	DF/DF	
SEQN	256578	
DUR.FAC.	1.25	
SPACING	24.0"	

PLT TYP. Wave

(11-232--Fill in later BRYAN ZECHER/GLENN -- ** - AP2)

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

110 mph wind, 21.96 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 9.00 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC
DL=2.0 psf, lw=1.00 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.

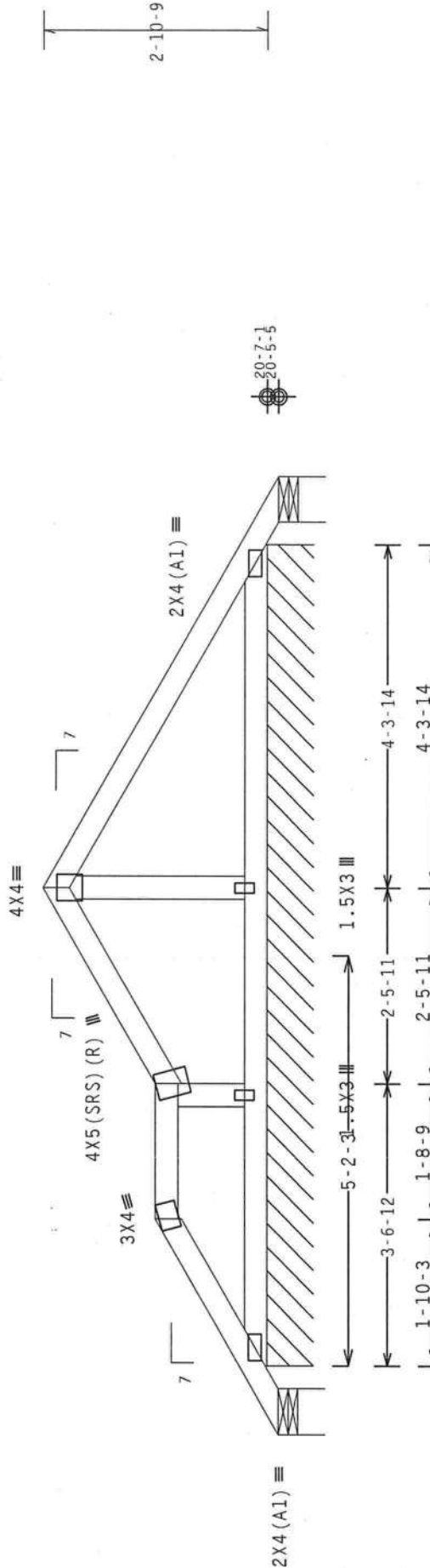
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 63 pif at 0.00 to 63 pif at 2.71
TC- From 63 pif at 2.71 to 63 pif at 4.43
TC- From 63 pif at 4.43 to 63 pif at 6.90
TC- From 63 pif at 6.90 to 63 pif at 12.09
BC- From 4 pif at 0.00 to 4 pif at 12.09

In lieu of structural panels or rigid ceiling use purlins to brace all
flat TC @ 24" OC, all BC @ 24" OC.

MWFRS loads based on trusses located at least 21.96 ft. from roof edge.



R=-5 Rw=38 U=41 W=6.946"
RL=66/-8781 PLF U=11 PLF W=10-4-6

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-4/-/-R/-

Scale = .5"/Ft.

REF	R487--	78272
DATE	01/02/12	
DRW	HCUSR487	12002125
HC-ENG	DF/DF	
SEQN-	256584	
DUR.FAC.	1.25	
SPACING	24.0"	



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



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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or 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 1006-2 for standard plate positions. A seal on the drawing or invoice page is required for the design. The seal is the responsibility of the structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi1st.org; NIAA: www.bctindustry.com; ICC: www.iccsafe.org

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

110 mph wind, 21.96 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-2.0 psf. lw=1.00 GCp1 (+/-)=-0.18

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

MMWFRS Loads based on trusses located at least 21.96 ft. from roof edge.

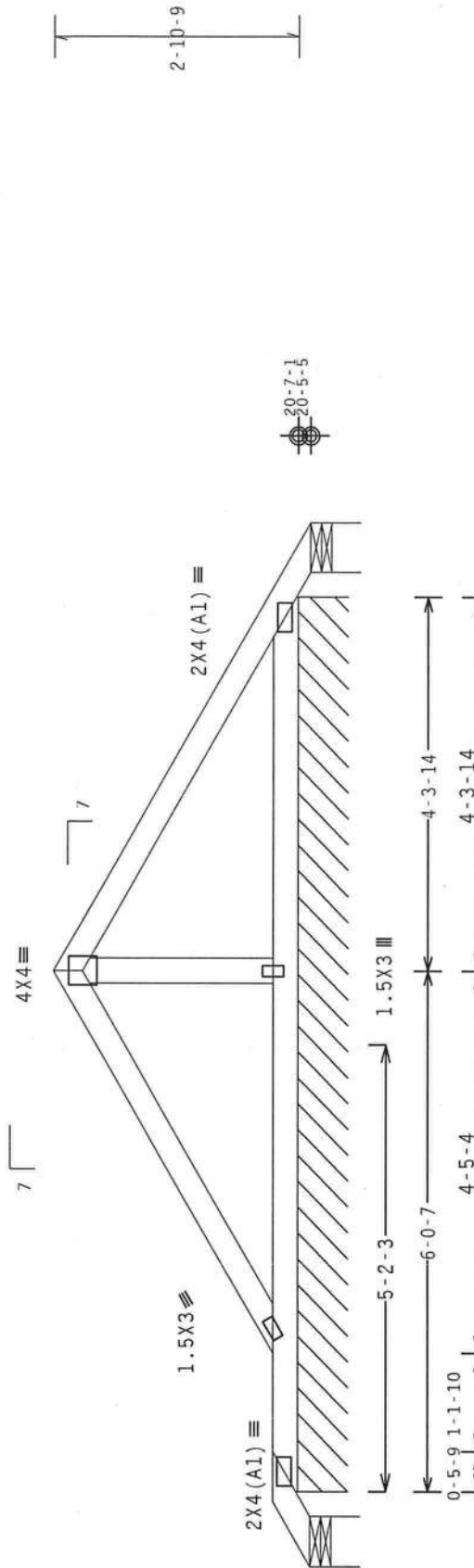
Refer to DWG PB1200310 for piggyback details.

Special loads

Special Loads	Dur.	Fac.	-1.25	/	Plate	Dur.	Fac.	-1.25
(Lumber								
TC- From	63	p1f	at	0.00	to	63	p1f	at 0.75
TC- From	63	p1f	at	0.75	to	63	p1f	at 6.90
TC- From	63	p1f	at	6.90	to	63	p1f	at 12.09
BC- From	4	p1f	at	0.00	to	4	p1f	at 12.09

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/240 live and L/180 total load.



← 12-1-2 Over 3 Supports

R=12 RW=29 IL=27 W=6 946"

R1=65/-R=778 PLF U=7 PLF W=10-4-6

Design Crit: FBC2007Res/TPI-2002 (STD)

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

*** * WARNING * *** READ AND FOLLOW ALL NOTES ON THIS SHEET!

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by IPI and WICA for details regarding design, erection and bracing of trusses. Truss manufacturers shall provide temporary bracing per design requirements prior to performing these functions. Installers shall provide structural sheathing and bottom chord shall have a properly attached rigid ceiling. Bottom chord shall have a permanently attached lateral restraint webs installed at BCSI sections 83-07 or 810, as applicable.

LTH Building Components Group Inc. (LTHBCG) shall not be responsible for any deviation from the design shown on drawings 100A-2 for standard plate positions. A seal on the back of each plate will indicate the position of the truss above and on the jointed end of the plate. Apply plates to each face of truss and position as shown above and on the Jointed End of Plate details. Refer to drawings 100A-2 for standard plate positions. The responsibility noted herein is solely for the design shown. The suitability and use of this design for the building designer per ANSI/PINt-1 Sec.2. For more information see: This Job's general notes page; LTH-BDG.com; IPt; www.IPtinst.org; NICA; www.abcninstruct.com;

general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

PLT TYP. Wave



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

FI 1-141-1-1R1-

TC	11	20	0	B
----	----	----	---	---

77 21 20.0 P

TC DL 10.0 P

[illegible]

70.0 P

BC LL 0.0 P

TOT	10	40	0

101:LD. 40:0 F

DUR.FAC. 1.25

SPACING 24 0"

CONTROL

(11-232--Fill in later BRYAN ZECHER/GLENN -- . ** - AP)

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

110 mph wind, 21.96 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, Exp B, wind TC DL-5.0 psf, wind BC DL-2.0 psf, 1w=1.00 GCpl(+/-)-0.18

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

MWFRS loads based on trusses located at least 21.96 ft. from roof edge.

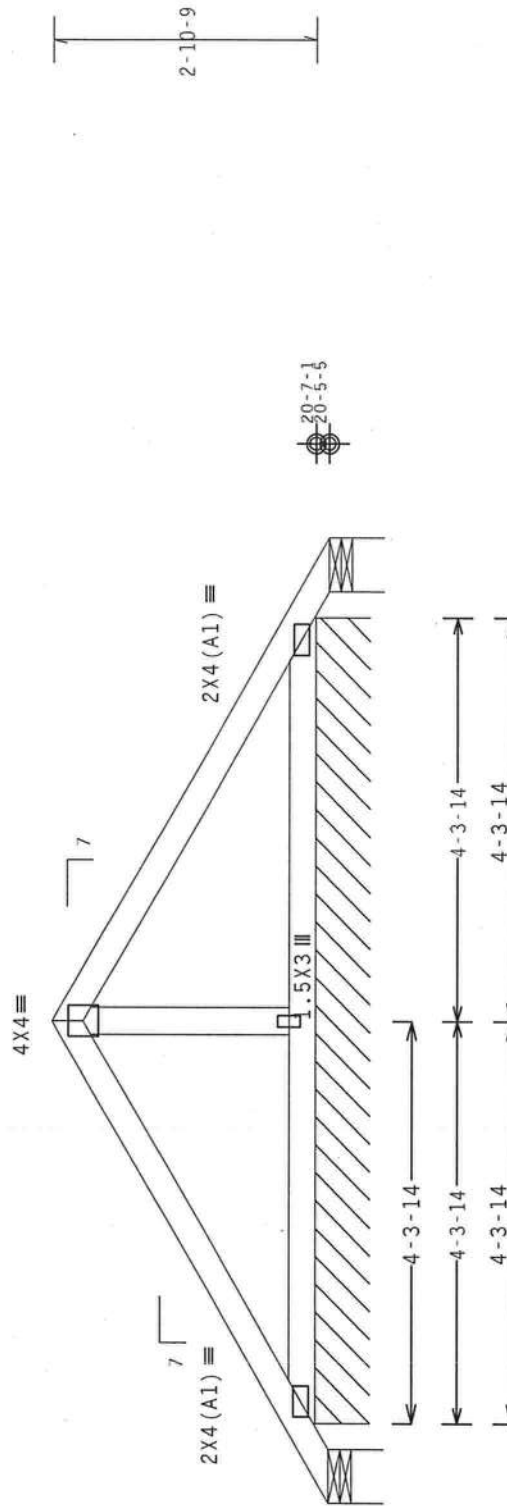
Refer to DWG PB1200310 for piggyback details.

Special loads

----- (Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 63 plf at 0.00 to 63 plf at 5.19
TC- From 63 plf at 5.19 to 63 plf at 10.38
BC- From 4 plf at 0.00 to 4 plf at 10.38

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/240 live and L/180 total load.



R=-55 Rw=61 U=71 W=6.946"
RL=67/-8789 PLF U=13 PLF W=8-7-13

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .5" / Ft.

REF R487-- 78274

DATE 01/02/12

DRW HCUSR487 12002127

HC-ENG DF/DF

SEQN- 256596

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UIB487_Z01

ALPINE

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

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) for best 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 web members 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 for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal on the bottom chord of the truss shall be provided. The responsibility of the building engineer for the design shown, the suitability and use of this system and the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org



(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - H23AP)

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

110 mph wind, 21.61 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=2.0 psf, 1w=1.00 GCpl(+/-)-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.

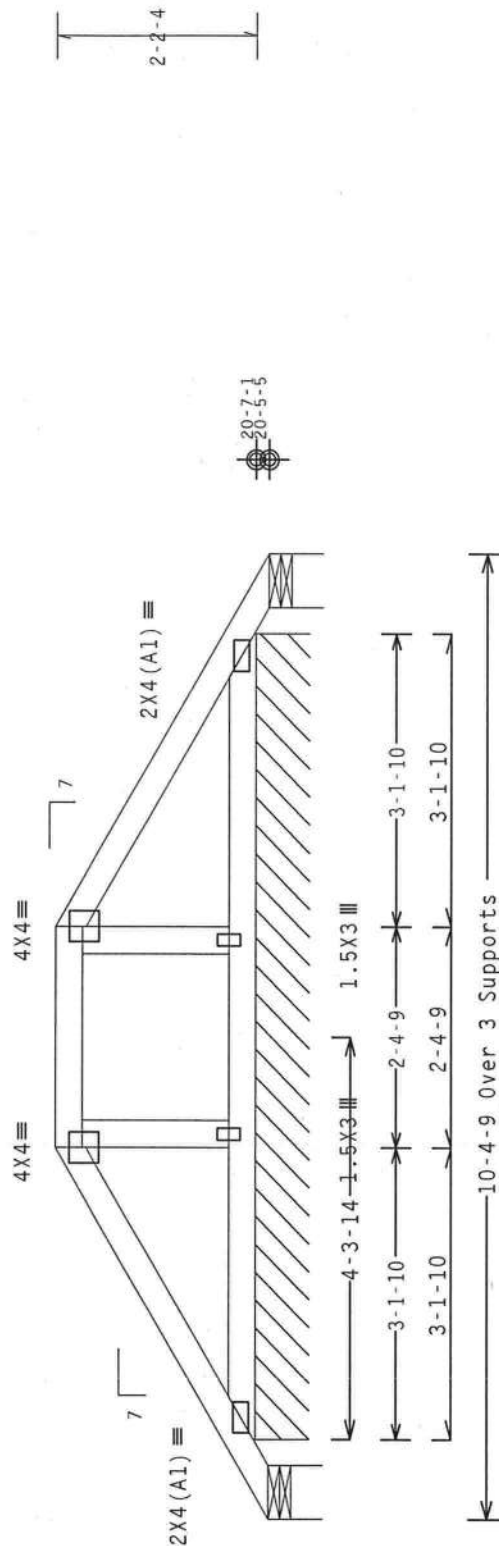
Refer to DWG PB1200310 for piggyback details.

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at 0.00 to 63 plf at 4.00
TC- From 63 plf at 4.00 to 63 plf at 6.38
TC- From 63 plf at 6.38 to 63 plf at 10.38
BC- From 4 plf at 0.00 to 4 plf at 10.38

In lieu of structural panels or rigid ceiling use purlins to brace all
flat TC @ 24" OC, all BC @ 24" OC.

MMFRS loads based on trusses located at least 21.61 ft. from roof edge.



R=-17 Rw=33 U=36 W=6.946"

RL=50/-8080 PLF U=11 PLF W=8-7-13

Rw=7 U=11 W=6.946"

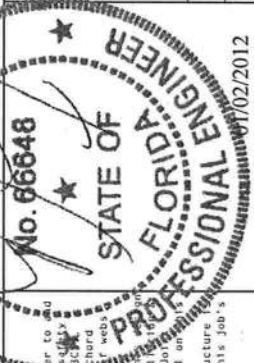
Design Crit: FBC2007Res/TPI-2002 (STD)

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

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

Scale = .5"/Ft.

PLT TYP. Wave



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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the job. Details, unless noted otherwise, shall be in accordance with ITWBCG standard details. A seal on the drawing is required for the design shown. The suitability and safety of the engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi-inst.org; MICA: www.bcsiindustry.com; ICC: www.iccsafe.org

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

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487--	78275
DATE	01/02/12	
DRW	HCUSR487	12002128
HC-ENG	DF/DF	
SEQN-	256602	
JREF-	1UIB487_Z01	

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

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at 1.50 to 63 plf at 4.02
TC- From 62 plf at 4.02 to 31 plf at 5.40
TC- From 31 plf at 5.40 to 31 plf at 16.33
BC- From 5 plf at 1.50 to 5 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 3.17
BC- From 10 plf at 3.17 to 10 plf at 13.17
BC- From 10 plf at 13.17 to 10 plf at 16.04
BC- From 20 plf at 16.04 to 20 plf at 16.33
TC- 187.78 lb Conc. Load at 4.02
TC- 353.05 lb Conc. Load at 5.48
TC- 145.95 lb Conc. Load at 7.51, 9.51, 11.51
TC- 101.30 lb Conc. Load at 13.51
TC- 43.54 lb Conc. Load at 15.51
BC- 35.95 lb Conc. Load at 4.02
BC- 108.75 lb Conc. Load at 5.48
BC- 52.25 lb Conc. Load at 7.51, 9.51, 11.51
BC- 55.70 lb Conc. Load at 13.51
BC- 94.14 lb Conc. Load at 15.51

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpl(+/-)=0.18

Wind loads and reactions based on MMFRS with additional C&C member design. Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

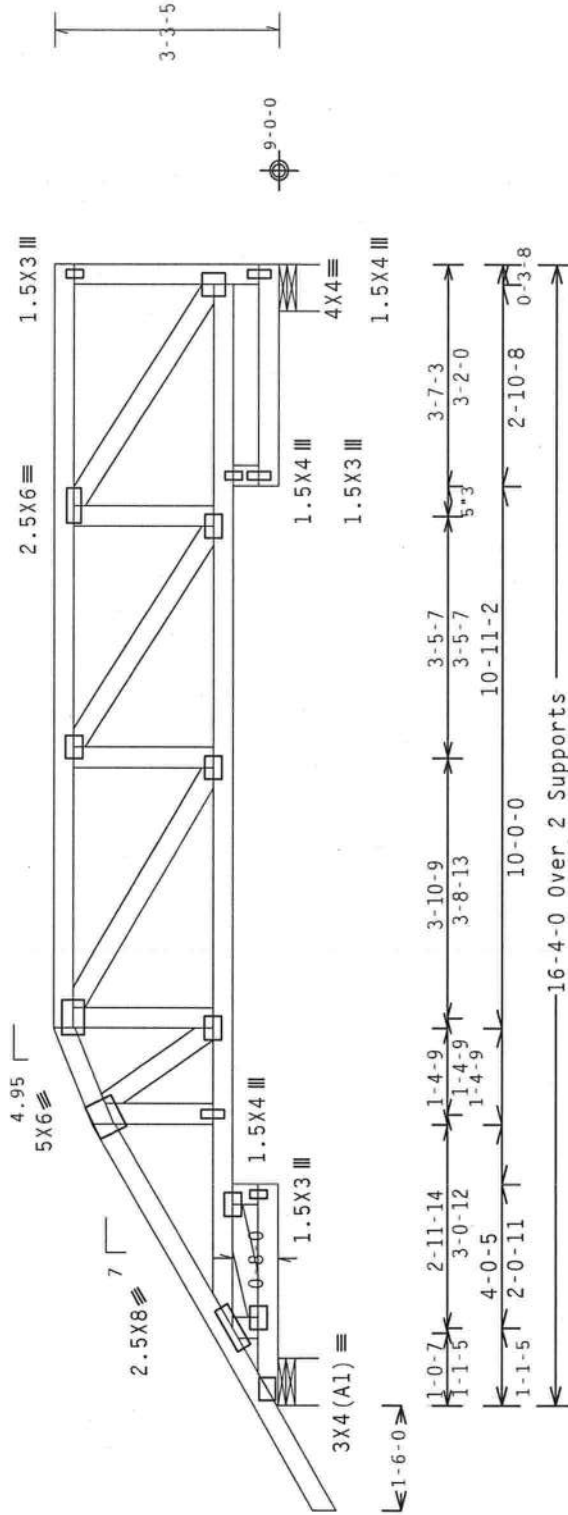
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Deflection meets L/240 live and L/180 total load.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

4X6



R=1382 U=192 W=8"

R=1168 U=132 W=8"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

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

Scale = .375"/Ft.

PLT TYP. Wave

REF R487-- 78277

DATE 01/02/12

DRW HCUSR487 12002130

HC-ENG DF/DF

SEQN- 256347

JREF- 1UIB487_Z01



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I/W Building Components Group Inc. (I/WBCG) shall not be responsible for any deviation from the design for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, fabricating of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: I/W-BCG: www.iwbcg.com; TPI: www.tpiinst.org; MICA: www.sctindustry.com; ICC: www.iccsafe.org

ALPINE
I/W Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

(11-232--Fill in later BRYAN ZECHER/GLENN -- ** - H7T)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 : W1 2x6 SP #2 : W5 2x4 SP #2 :

Roof overhang supports 2.00 psf soffit load.

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

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

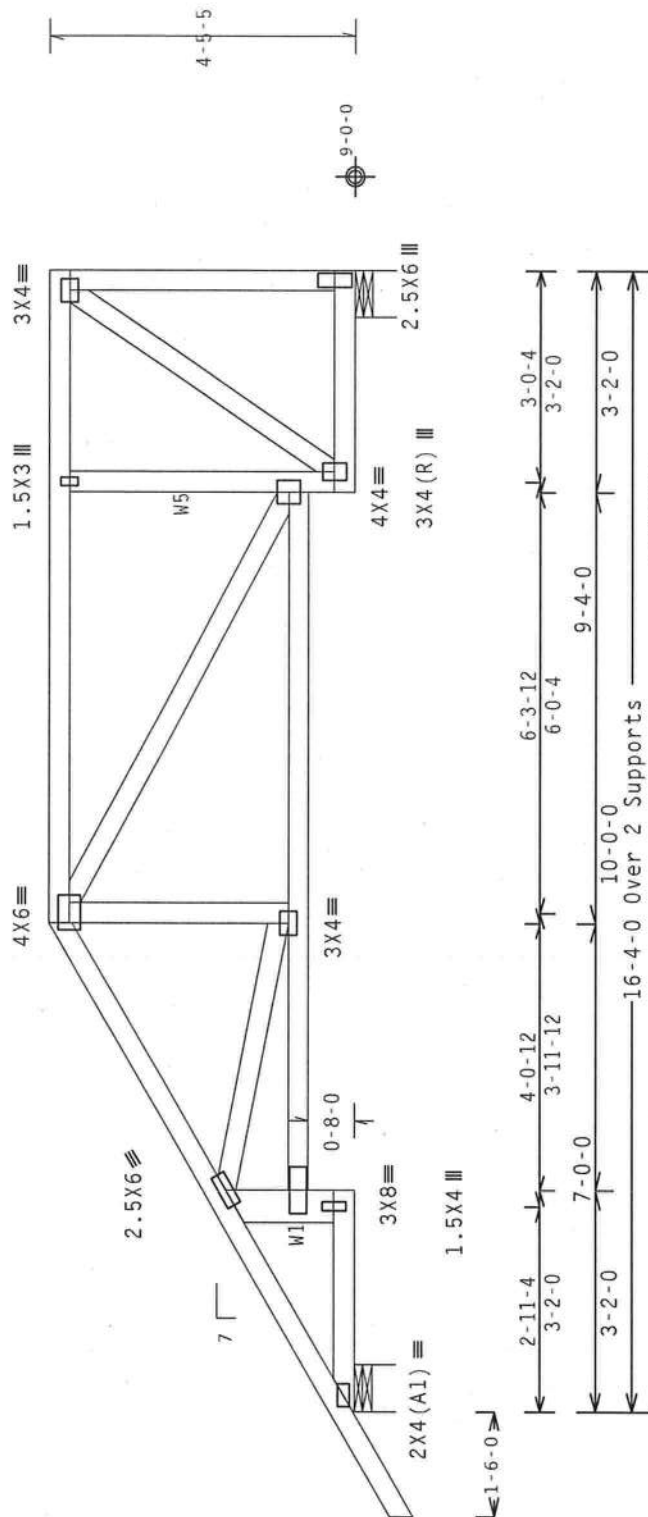
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt. ASCE 7-05. CLOSED bldg. not located within 4.50 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. LW=1.00 GCpf (+/-)-0.18

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

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.



R=792 U=66 W=8"
RL=114/-44

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

Scale = .375"/Ft.



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I/W Building Components Group Inc. (I/WBCG) shall not be responsible for any deviation from this design 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 1600-2 for standard plate positions. A seal on this drawing is required for the design of the truss. 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: I/W-BGC: www.itwbcg.com; TPI: www.tpiinst.org; KICA: www.bcsiindustry.com; ICC: www.iccsafe.org

ALPINE
I/W Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

PLT TYP. Wave	REF R487-- 78278	TC LL 20.0 PSF
	DATE 01/02/12	TC DL 10.0 PSF
	DRW HCUSR487 12002045	BC DL 10.0 PSF
	HC-ENG DF/DF *	BC LL 0.0 PSF
	SEQN- 256703	TOT.LD. 40.0 PSF
	DUR.FAC. 1.25	
	SPACING 24.0"	
	JREF- 1UIB487_Z01	

(11-232--Fill in later BRYAN ZECHER/GLENN -- , ** - H11T)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 : W1 2x6 SP #2:

Roof overhang supports 2.00 psf soffit load.

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

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

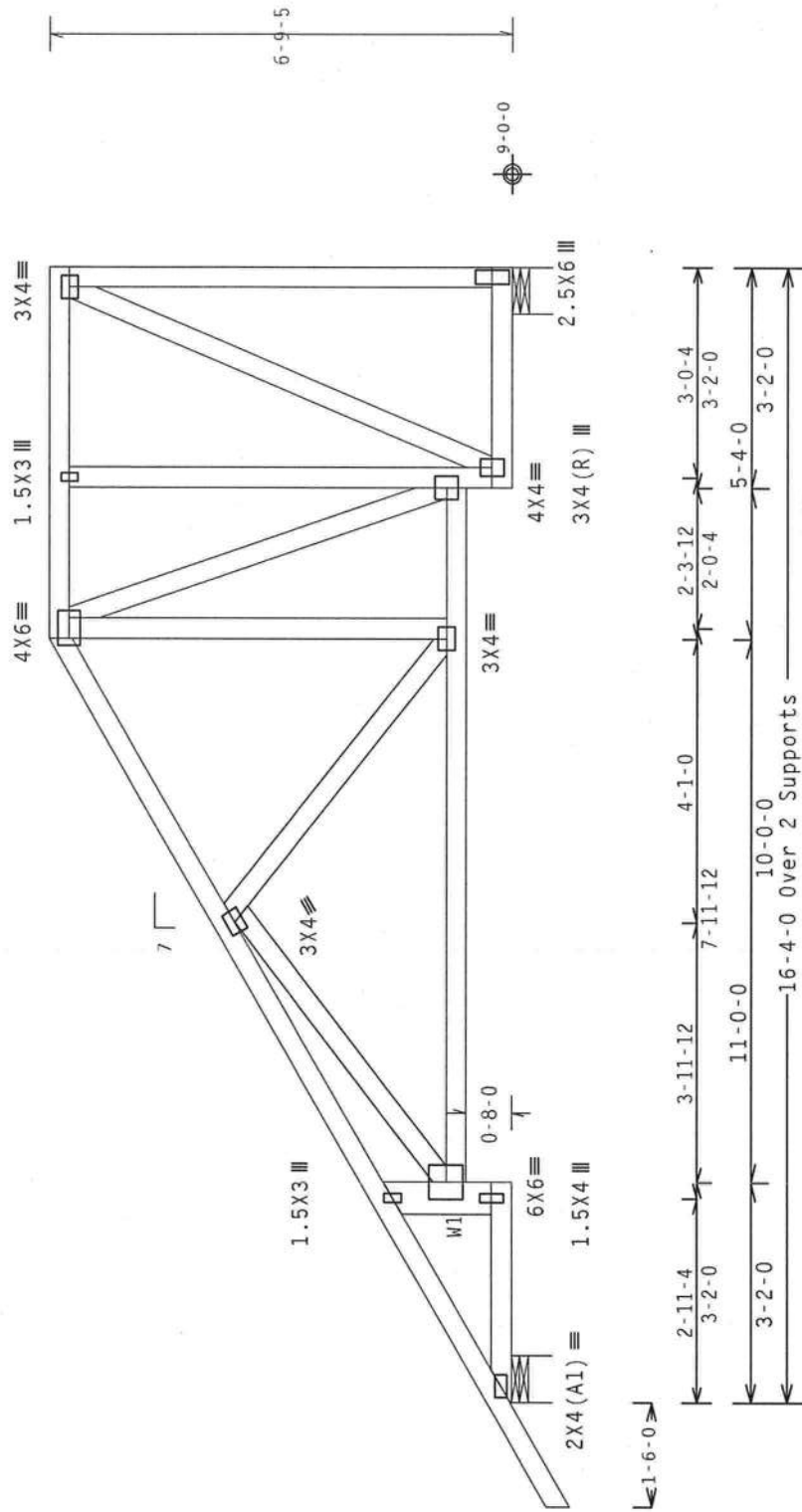
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, lw-1.00 GCpl(+/-)-0.18

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

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

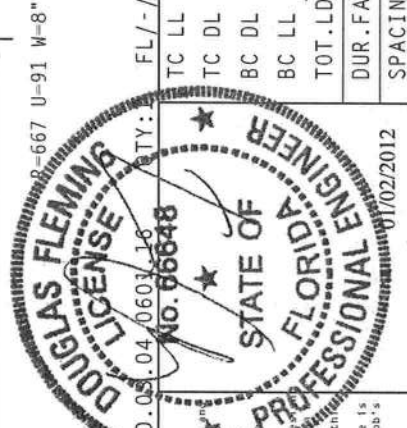


R=793 U=45 W=8"
RL=168/-57

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .375"/Ft.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for 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 top 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. ITWBCG shall be responsible for the design of the truss and the installation of the truss. The responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi1st.org; MICA: www.sciindustry.com; ICC: www.iccsafe.org

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

REF	R487--	78280
DATE	01/02/12	
DRW	HCUSR487	12002047
HC-ENG	DF/DF	*
SEQN-	256720	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF-	1UIB487_Z01	

(11-232--Fill) in later BRYAN ZECHER/GLENN --, ** - TG)

Top chord 2x4 SP #1 :B2 2x6 SP M-26:
Bot chord 2x4 SP #3 :W6 2x4 SP #2:

Special loads

-----Lumber
Dur.Fac.-1.25 / Plate Dur.Fac.-1.25
TC- From 63 pif at -1.50 to 63 pif at 7.06
TC- From 32 pif at 7.06 to 32 pif at 11.92
TC- From 63 pif at 11.92 to 63 pif at 16.33
BC- From 5 pif at -1.50 to 5 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 3.17
BC- From 10 pif at 3.17 to 10 pif at 7.06
BC- From 20 pif at 7.06 to 20 pif at 13.17
BC- From 10 pif at 13.17 to 10 pif at 16.04
BC- From 20 pif at 16.04 to 20 pif at 16.33
BC- 3966.12 lb Conc. Load at 7.06
BC- 1482.91 lb Conc. Load at 9.06
BC- 1474.26 lb Conc. Load at 11.06, 13.06, 15.06

Roof overhang supports 2.00 psf soffit load.

(a) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3"-min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" O.C.
Bot Chord: 1 Row @ 2.50" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

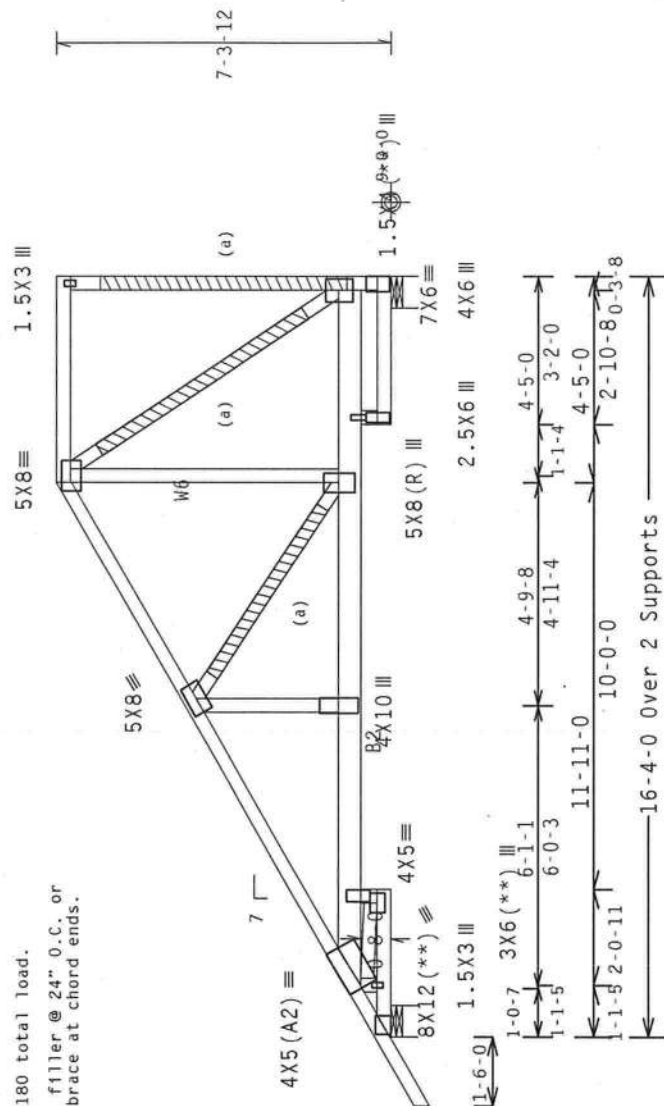
(**) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. LW=1.00 GCP1(+/-)-0.18

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

Right end vertical not exposed to wind pressure.

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



R-4535 U-491 W-8"

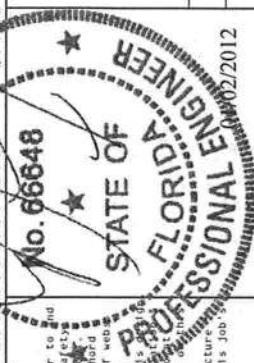
Design Crit: FBC2007Res/TPI-2002 (STD)

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

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

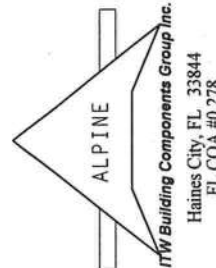
Scale = .25"/Ft.

PLT TYP. Wave



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Systems Inc.) BCSI Manual for details and practices prior to performing these functions. Installers shall provide temporary bracing and 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 of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
LW Building Components Group Inc. (LWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joints. Details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1, Sec 2.2. For more information see: general notes page: L1W-BG: www.lwbcg.com; TPI: www.tpinat.org; WCA: www.bcsiindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF R487-- 78281
TC DL	10.0 PSF	DATE 01/02/12
BC DL	10.0 PSF	DRW HCUSR487 12002131
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 257429
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIB487_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.

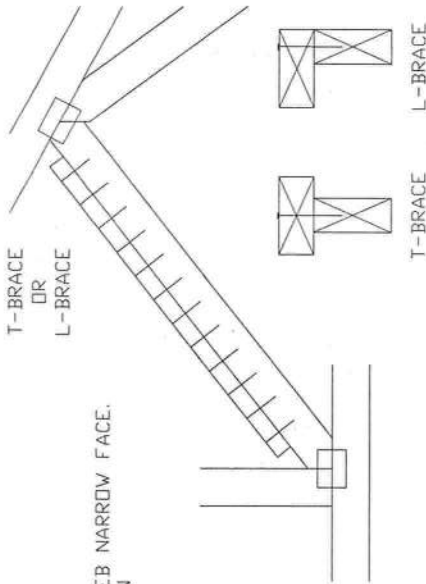
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

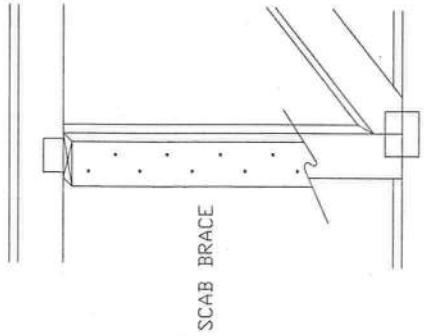
T-BRACING
OR
L-BRACING:

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



*****WARNING*** READ AND FOLLOW ALL NOTES ON THIS SHEET**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI Building Component Safety Information, by TPI and VITAC 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 panels and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs 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.**
ITV Building Components Group Inc. (ITVBCG) 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. ITVBCG connector plates are made of 2018/16GA (U)/S/KO ASTM A572 Grade 50 steel. 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.
ITV-BCG www.itvbcg.com; TPI www.tpinet.com; VITAC www.vitacindustry.com; ICC www.iccsafe.org



Earth City, MO 63045

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

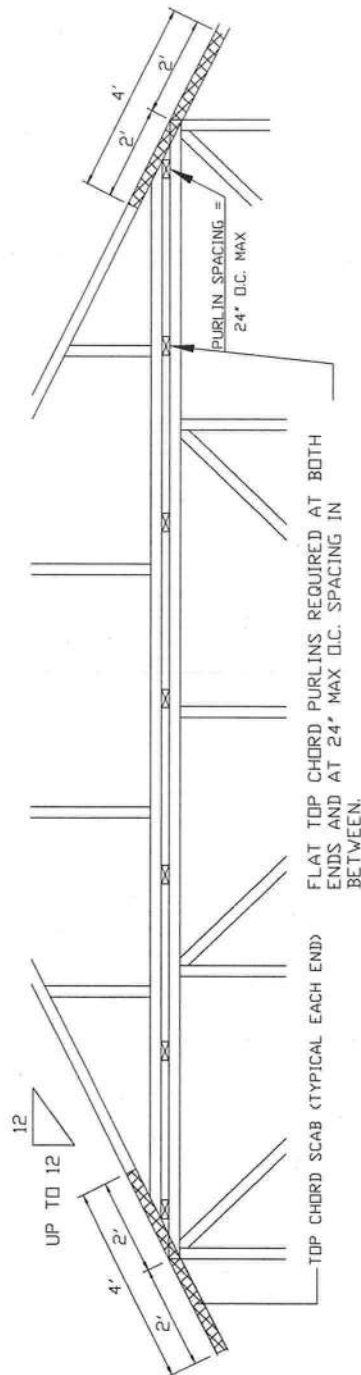
120 PIGGYBACK

UP TO 120 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND DL= 5.0 PSF (MIN), Kzt=1.0.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR ANY OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS, AND LATERAL BRACING FOR OUT OF PLANE LOADS OVER GABLE ENDS.

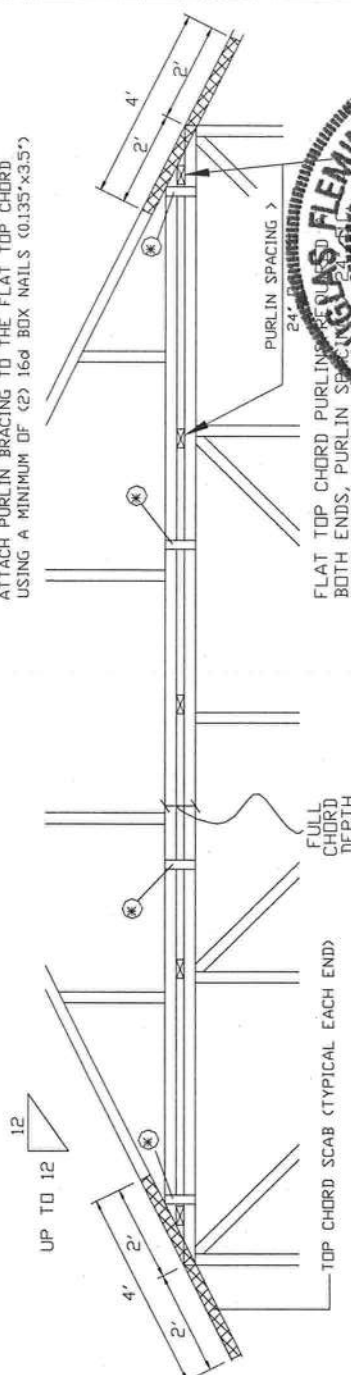
*** REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR PIGGYBACK AND BASE TRUSS SPECIFICATIONS.

DETAIL A : PURLIN SPACING = 24" O.C. OR LESS



DETAIL B : PURLIN SPACING > 24" O.C.

PIGgyBACK CAP TRUSS SLANT NAILED TO ALL TOP CHORD PURLIN BRACING WITH (2) 16d BOX NAILS (0.135"x3.5") AND SECURE TOP CHORD WITH 2x4 #3 GRADE SCALP (1 SIDE ONLY AT EACH END) ATTACHED WITH 2 ROWS OF 10d BOX NAILS (0.128"x3") AT 4" O.C.



NOTE: IF PURLINS OR SHEATHING ARE NOT SPECIFIED ON THE FLAT TOP OF THE TRUSS, PURLINS MUST BE INSTALLED AT 24" O.C. MAX. AND USE DETAILS

WARNING READ AND FOLLOW ALL NOTICES ON THIS SHEET
Trussco's requires extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following sections of the BCSI Building Component Safety Information, by TPI and VITCA for safety practices and performance these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall be followed. 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.

ITV Building Components Group Inc. (ITVBG) shall not be responsible for any deviation from the design, any failure to build the product in accordance with TPI, or fabricating, handling, shipping, installing & bracing of ITVBG connector plates are made of 2018/16GA (A/H/S/K) ASME grade 37-40/62 (K/M/N/S) galv. steel. Apply plates to each face, positioned as shown on drawings and on Joint Details.

Based on this training component, sign your name and date of this component for any ITVBG building responsibility. The Building Designer per ANSI/TPI-1 Sec. 2, this component for ITVBG is: www.itvbccg.com, TPI: www.tbinsc.com, VTCA: www.vsbccinc.com, ICC: www.iccsite.org



TW
Building Components Group Inc.

Earth City, MO 63045

* IN ADDITION, PROVIDE CONNECTION WITH ONE OF THE FOLLOWING METHODS:

TRULIOX

USE 3x8 TRULUX PLATES FOR 2x4 CHORD MEMBER, AND 3x10 TRULUX PLATES FOR 2x6 AND LARGER CHORD MEMBERS. ATTACH TO EACH FACE @ 8" O.C. WITH (4) 0.120"x1.375" NAILS INTO CAP BOTTOM CHORD AND (4) 1IN. BASE TRUSS TOP CHORD. TRULUX PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

APA RATED GUSSET

8"x8"x7/16" (MIN) APA RATED SHEATHING GUSSETS (EACH FACE). ATTACH @ 8' O.C. WITH (8) 6d COMMON NAILS PER GUSSET, (4) IN CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. GUSSETS MAY BE STAGGERED 4' O.C.FRONT TO BACK FACES.

2x4 VERTICAL SCABS

2x4 SPF#2, FULL CHORD DEPTH SCABS (EACH FACE).
ATTACH @ 8' O.C. WITH (6) 10d BOX NAILS (0.128"x3")
PER SCAB. (3) IN CAP BOTTOM CHORD AND (3) IN
BASE TRUSS TOP CHORD. SCABS MAY BE STAGGERED
4' O.C. FRONT TO BACK FACE.

28PB WAVE PIGGYBACK PLATE

ONE 28PB WAVE PIGGYBACK PLATE TO EACH FACE OF 8" D.C. ATTACH TEETH TO PIGGYBACK AT TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH 0.120"x1.375" NAILS PER FACE PER PLY. PIGGYBACK PLATES MAY BE STAGGERED 4" D.C. FRONT TO BACK FACES.

REF PIGGYBACK

DATE 03/15/10

DRWG PBI200310

SPACING 24.0"

20 JAN 2012