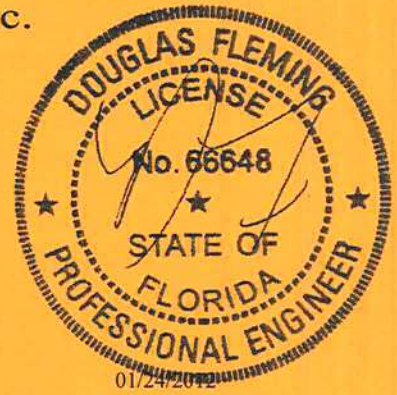


ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1UJ0487-Z0224113549



Truss Fabricator: Anderson Truss Company
Job Identification: 12-012--F111 in later BRYAN ZECHER/COLEMAN -- , **
Truss Count: 40
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

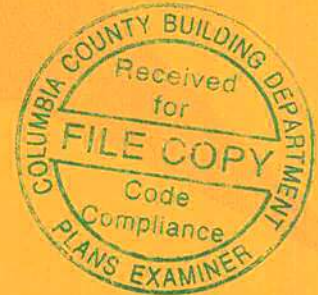
Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-A1101505-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	58403--H7A		12024029	01/24/12
2	58404--H9A		12024015	01/24/12
3	58405--H11A		12024027	01/24/12
4	58406--H21A		12024005	01/24/12
5	58407--HS7A		12024040	01/24/12
6	58408--HS19A		12024006	01/24/12
7	58409--HS9AT		12024002	01/24/12
8	58410--HS17AT		12024008	01/24/12
9	58411--HS11AT		12024018	01/24/12
10	58412--HS13AT		12024009	01/24/12
11	58413--HS15AT		12024039	01/24/12
12	58414--H13AT		12024019	01/24/12
13	58415--H15AT		12024014	01/24/12
14	58416--H17AT		12024003	01/24/12
15	58417--AT		12024024	01/24/12
16	58418--H21AT		12024023	01/24/12
17	58419--H19AT		12024021	01/24/12
18	58420--BGE		12024028	01/24/12
19	58421--B		12024033	01/24/12
20	58422--B1		12024036	01/24/12
21	58423--B2		12024034	01/24/12
22	58424--B3		12024031	01/24/12
23	58425--BG		12024038	01/24/12
24	58426--HG9C		12024025	01/24/12
25	58427--H7C		12024037	01/24/12
26	58428--D		12024011	01/24/12
27	58429--DGE		12024001	01/24/12
28	58430--DG		12024012	01/24/12
29	58431--EJ7		12024026	01/24/12
30	58432--CJ5		12024013	01/24/12
31	58433--CJ3		12024017	01/24/12
32	58434--CJ1		12024016	01/24/12
33	58435--HJ7		12024020	01/24/12
34	58436--HJ3		12024032	01/24/12
35	58437--J1		12024010	01/24/12
36	58438--J2		12024035	01/24/12

#	Ref	Description	Drawing#	Date
37	58439--J3		12024030	01/24/12
38	58440--EJ7H		12024007	01/24/12
39	58441--CJ5S		12024004	01/24/12
40	58442--H3M		12024022	01/24/12





Top chord 2x6 SP #2 :T3 2x4 SP #1:
Bot chord 2x6 SP #2 :B2 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W2, W10 2x4 SP #2:

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.32" DL: 0.33" recommended camber 5/8"

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

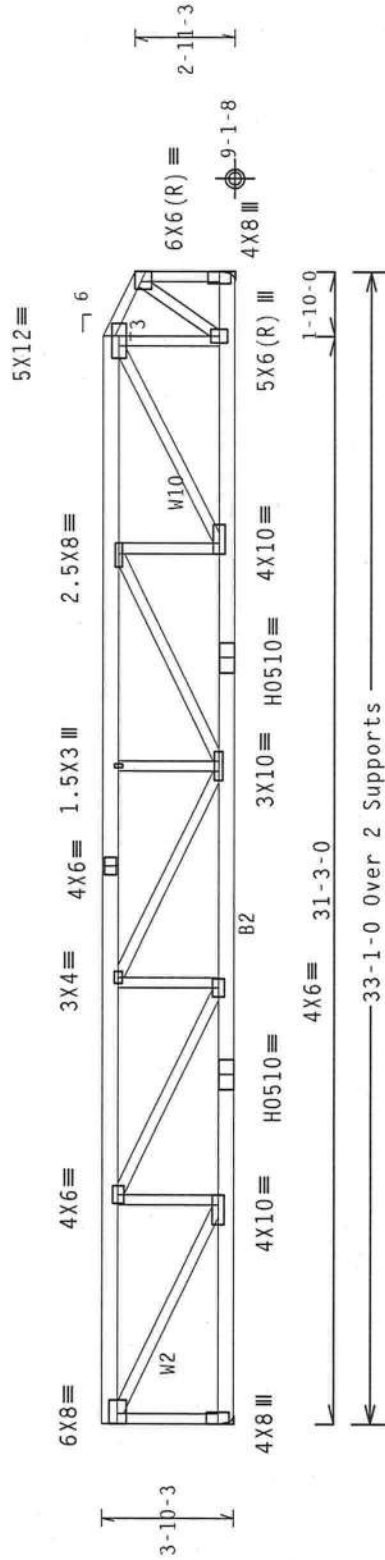
Girder supports 7'-0" span to TC/BC split one face and 2'-0" span to TC/BC split opposite face.

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 GCpi(+/-)=0.18

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



R-3065 U-276 H-Simpson HUS26

Supported Member Face: (6) 0.162"x3.5" nails

Supporting Member Face: (14) 0.162"x3.5" nails

Supporting Member : (2) 2x6 SP #2

R-3065 U-276 H-Simpson HUS26

Supported Member Face: (6) 0.162"x3.5" nails

Supporting Member Face: (14) 0.162"x3.5" nails

Supporting Member : (2) 2x6 SP #2

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

PLT TYP. 20 Gauge HS,Wave

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

Scale = .1875"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

IMPORTANT FURNISH THIS DESIGN TO ALL COMPANIES 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 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.

IW Building Components Group Inc. (IWBGCO) shall not be responsible for any deviation from the approved building code or for any failure or damage to the structure or its components. The user of this drawing shall be responsible for obtaining all necessary permits and for complying with all applicable codes and regulations. Details, unless noted otherwise, shall conform to the IWBGCO standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: IWBGCO: www.iwbco.org; TPI: www.tpiinst.org; MICA: www.sctindustry.com; ICC: www.iccsafe.org

ALPINE

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

DOUGLAS FLEMING
LICENSE
No. 66848
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/24/2012

TC LL	20.0 PSF	REF	R487--	58403
TC DL	10.0 PSF	DATE	01/24/12	
BC DL	10.0 PSF	DRW	HCUSR487	12024029
BC LL	0.0 PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0 PSF	SEQN-	265124	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UJ0487_Z02	

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

End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

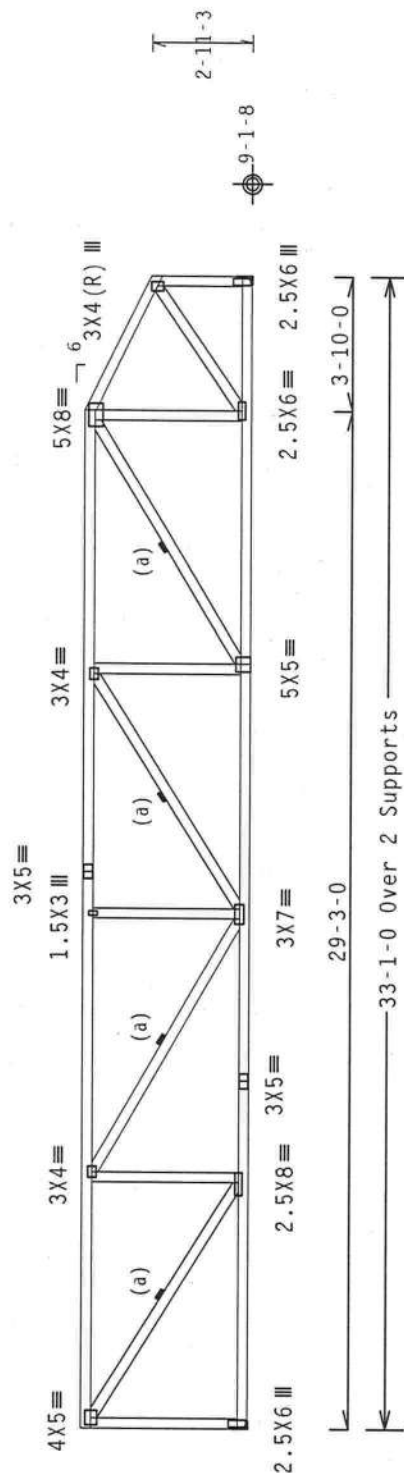
111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt (+/-)0.18

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

(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.



R-1362 U=147

RL=-44 H=Simpson LUS26

Supported Member Face: (4)

Supporting Member Face: (4)

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

R=1362 U=132 H=Simpson LUS26

Supported Member Face: (4)

Supporting Member Face: (4)

Accounting Member : (2) 2x6 SP #2

PLT TYP. Wave

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

*****IMPORTANT*****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Please refer to the latest edition of BCSI (Building Component Safety) information, by IPI and NITCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI practices noted otherwise. No chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Conditions shown for permanent lateral restraint, web bracing and bracing installed per BCSI sections B3, B7 or B10, as applicable.

[illegible]

ALPINE

ITTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

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

	TC	11	/	00	/	K
	TC	11	/	00	/	K

IC LL 20.0 P

TC DL 10.0 P

10 0 0

BC DL 10.0 P

BC LL 0.0 P

TOT	10	40	0

101.LD. 40.0 P

DUR.FAC. 1.25

SPACING 24 0"

SPACING 24.0"

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

End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

MWFRS 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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

(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.

3X5=

3X4= 1.5X3 III 3X4=

5X6=



4-11-11

2-11-3

9-1-8

2.5X6 III 4X4 III 2.5X6 III 3X5= 3X7= 3X4= 3X5= 2.5X6 III 2.5X6 III

1-9-0 25'-6-0 5-10-0

33-1-0 Over 2 Supports

R-1362 U-143

RL-29/-49 H-Simpson LUS26

Supported Member Face: (4)

Supporting Member Face: (4)

Supporting Member : (2) 2x6 SP #2

R-1362 U-129 H-Simpson LUS26

Supported Member Face: (4)

Supporting Member Face: (4)

Supporting Member : (2) 2x6 SP #2

PLT TYP. Wave

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

10.00 0.04 0607.16

FL/-4/-/-R/-

Scale = .1875"/Ft.

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 manufacturer's instructions for proper handling, shipping, installing and bracing. All practices prior to performing these functions must be approved by the manufacturer. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint. 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 the 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 100A-2 for standard plate positions. A seal on drawing cover page listing this drawing. Indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1.1. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; KICA: www.kicabuilding.com; ICC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



TC LL	20.0 PSF	REF	R487--	58405
TC DL	10.0 PSF	DATE	01/24/12	
BC DL	10.0 PSF	DRW	HCUSR487	12024027
BC LL	0.0 PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0 PSF	SEQN-	265156	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UJ0487_Z02	

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 GCpf (+/-)=0.18

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

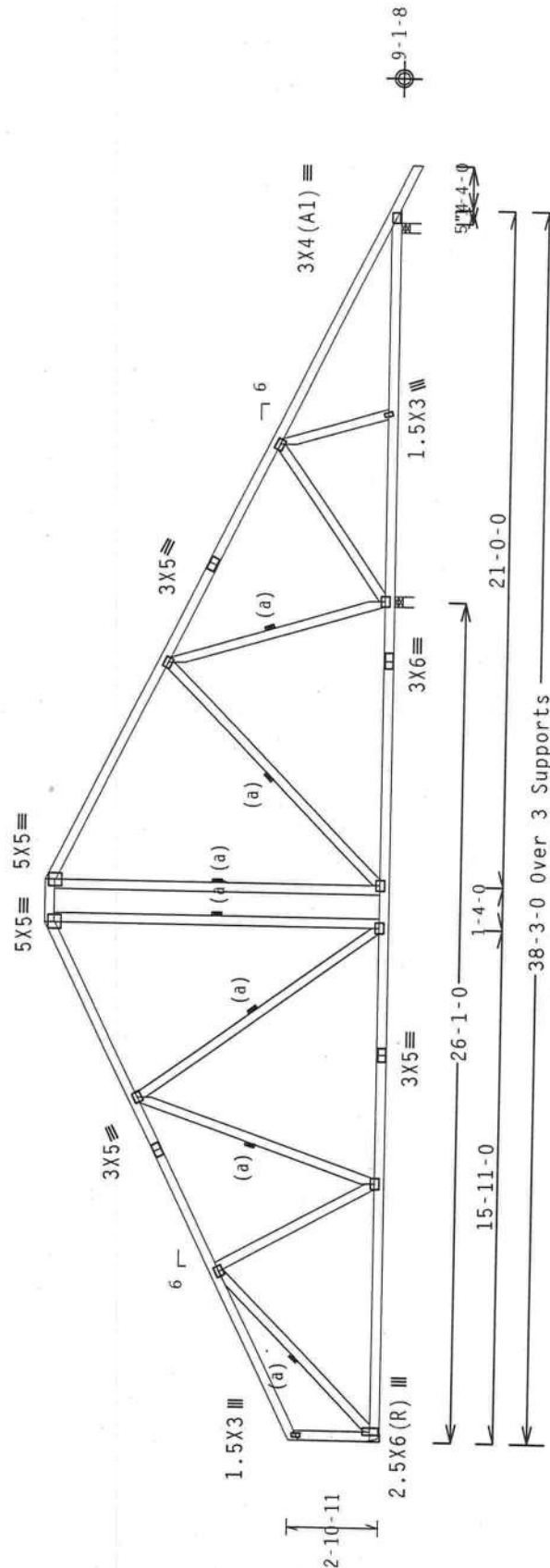
MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

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.



RL=205/-221 H=Simpson LU26

Supported Member Face: (4) 0.148"x1.5" nails
Supporting Member Face: (6) 0.162"x3.5" nails
Supporting Member : (2) 2x6 SP #2

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

$$\overline{FT/RT} = 10\%(0\%) / 0(0)$$

R=516 U=0 W=3.5"

FI 1-1A1-1-1D1-

10.03.04/0607.16

Scale = .1875"/Ft.

URNISH 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 IPT and WCA) for best practices noted otherwise. Installers shall provide temporary bracing per BCSI. The business must have a properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per BCSI sections 83, or 810, as applicable.

[illegible]

TC LL	20.0 PSF	REF R487 -- 58406
TC DL	10.0 PSF	DATE 01/24/12
BC DL	10.0 PSF	DRW HCUSR487.12024005
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT.LD.	40.0 PSF	SEQN- 265304
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UJ0487.702

The seal is circular with a dashed outer border. Inside the border, the text "STATE OF FLORIDA" is written in a semi-circle at the top, and "PROFESSIONAL ENGINEER" is written in a semi-circle at the bottom. In the center, the number "No. 66848" is printed vertically on the left, and the date "07/24/2012" is printed vertically on the right. A signature is written across the center of the seal.

[illegible]

111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=-0.18

Right end vertical not exposed to wind pressure.

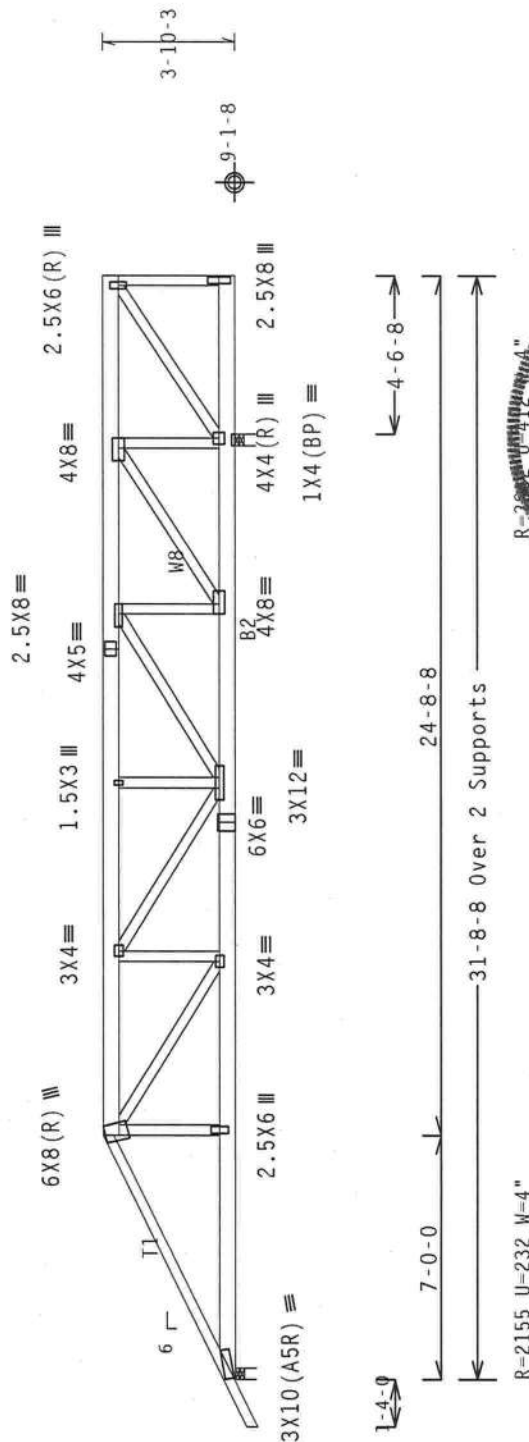
Right cantilever is exposed to wind

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.

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



R=2155 U=232 W=4"

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

Scale = .1875"/Ft.

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

REF R487-- 58407

DATE 01/24/12

DATE	02/11/16
DRW	HCUSB487 13034010

DNW	HC03K487	I20Z4040
UC	ENC	TCE/DE

[illegible]

SEQN-	265470
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JREF- 1UJ0487_Z02

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 BCSP (Building Component Safety) information, by IP1 and NICA for installation practices prior to performing these functions. Install the structural sheathing and bottom chord members with a properly attached rigid ceiling. Trusses shall have a properly attached rigid ceiling and shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

PLT TYP. Wave

ALPINE

TW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

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

111110 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 EC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Right cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

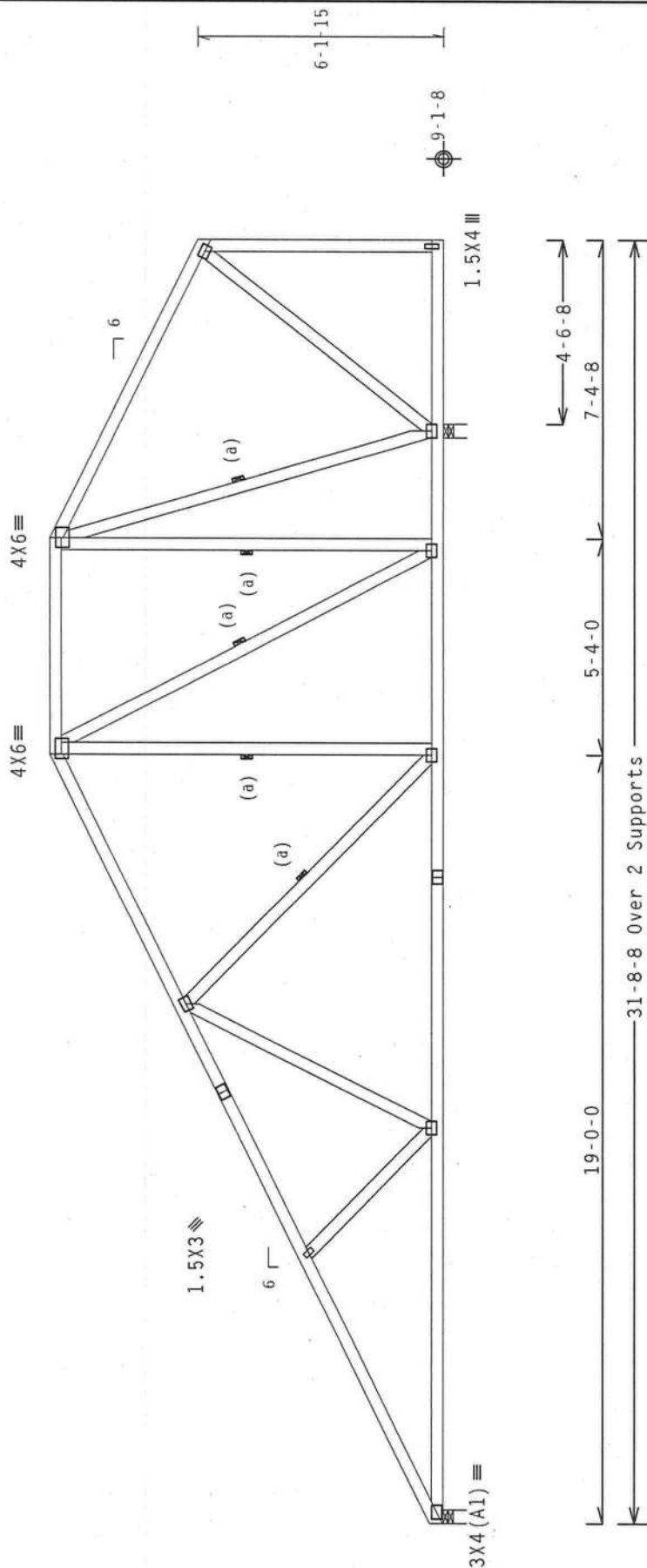
Deflection meets L/240 live and L/180 total load.

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.

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



R=1084 U=0 W=4"
RL=166/-108

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

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

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

Scale = .25"/Ft.

****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. Please refer to the latest edition of BGSI (Building Component Safety Information, by IP1 and HICA) for more information. Also, please refer to the following information for more details on the various types of trusses noted otherwise. Top chord shall have permanent safety sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BGSI sections B3, B7 or B10, as applicable.

ALPINE

TW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ASCE 1-10 Sec. 2. For more information see: This job's general notes page; IIR-850; www.itubcg.com; TPI: www.tpinet.org; NICA: www.sbcindust.com.

CC: www.lccsafe.org

09/24/2012

PACING 24.0"

REF- 1UJ0487_Z02

Top chord 2x4 SP #1 :T1 2x6 SP M-26:

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

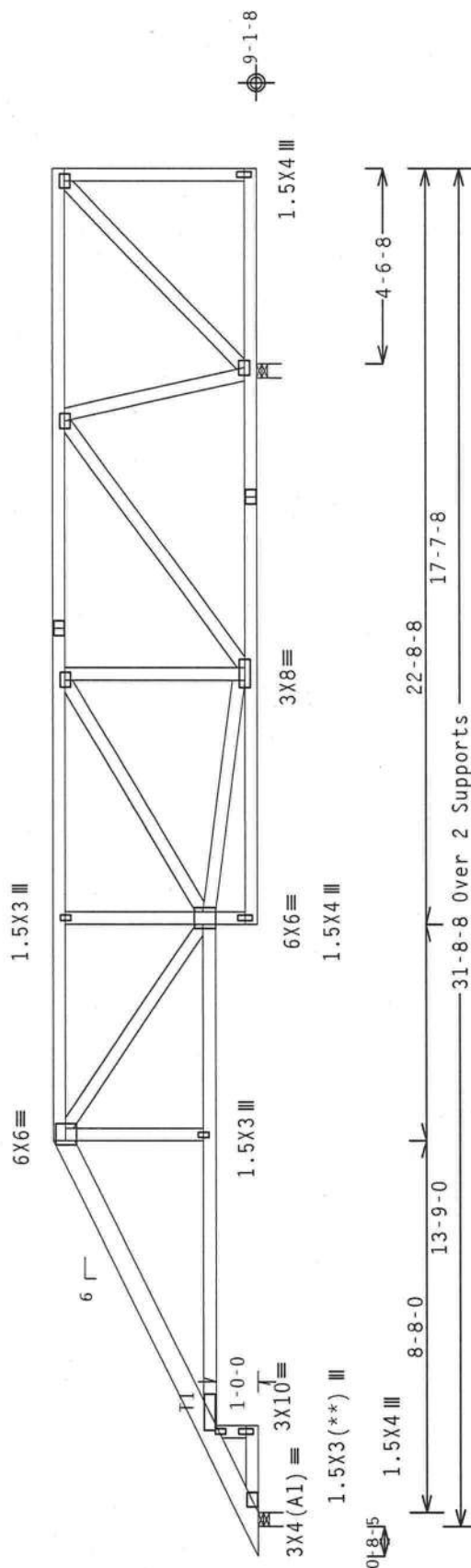
111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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

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



R=1516 U=194 W=4"

R-1068 U-97 W=4"

 $RL=101/-24$

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP: Wave

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

QTY:

Scale = .25"/Ft.

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 BCSP (Building Component Safety Information, by IPI and NICA) for all practices prior to performing these functions. Install attached structural sheathing and batt insulation with a properly attached rigid ceiling. Locations shown for permanent lateral restraint to prevent racking shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

The Building Components Group, Inc. (BUCEG) shall not be responsible for any deviation from applicable codes or standards governing design, construction, installation, handling, shipping, packaging of trusses, joists, rafters, gables, etc., complying with ANSI/APA for handling, shipping, installation and erection of wood structural components. The responsibility for proper placement of metal fasteners, bracing details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on drawing or cover plate listing this drafter, 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/APA I Sec.2. For more information see: This Job's Specification.

BUCEG: buceg.com; PFI: pfiinc.net
PFI-BDO: bdo.buceg.com; PFI: pfiinc.net

ALPINE
TW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

01/24/2012

NG 24.0"

1

OREN

11

100

048

37_2

202

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - HS17AT)

Top chord 2x4 SP #1 :T1 2x6 SP M-26:
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

Calculated horizontal deflection is 0.23" due to live load and 0.24" due to dead 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.

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

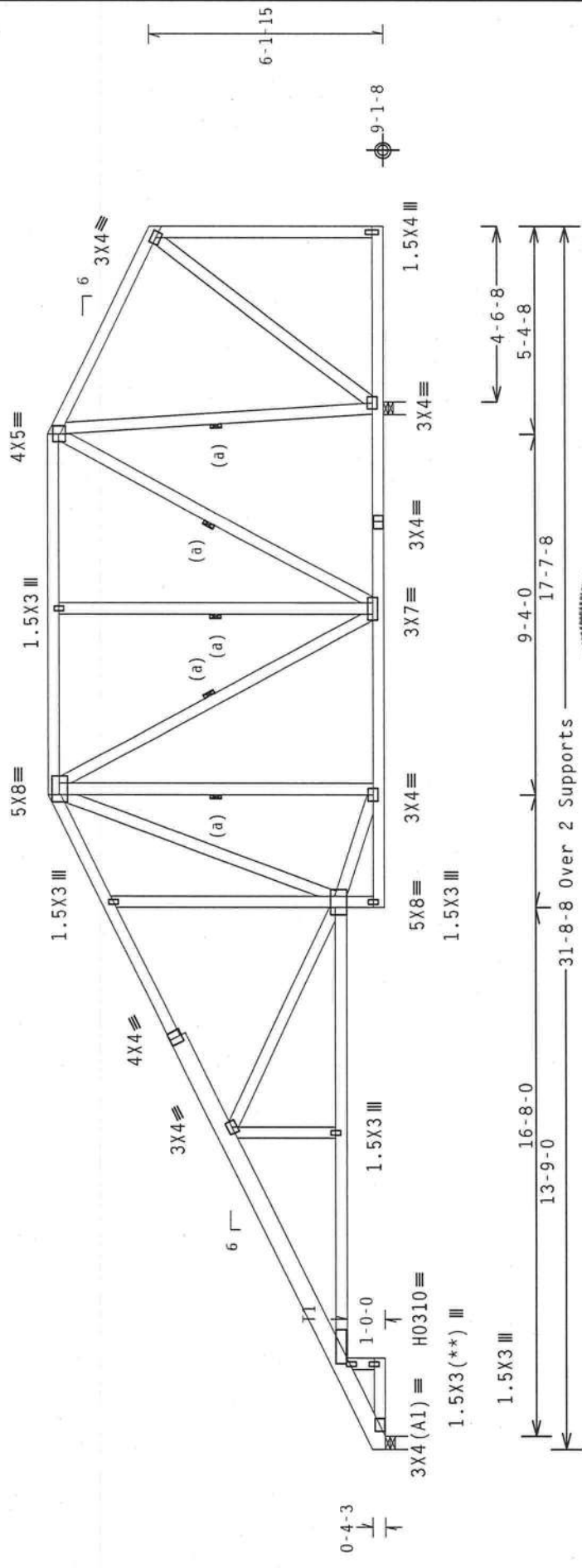
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)-0.18

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.



R-1525 U=101 W=4"

R-1086 U-0 W-4"
RL=146/-88

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

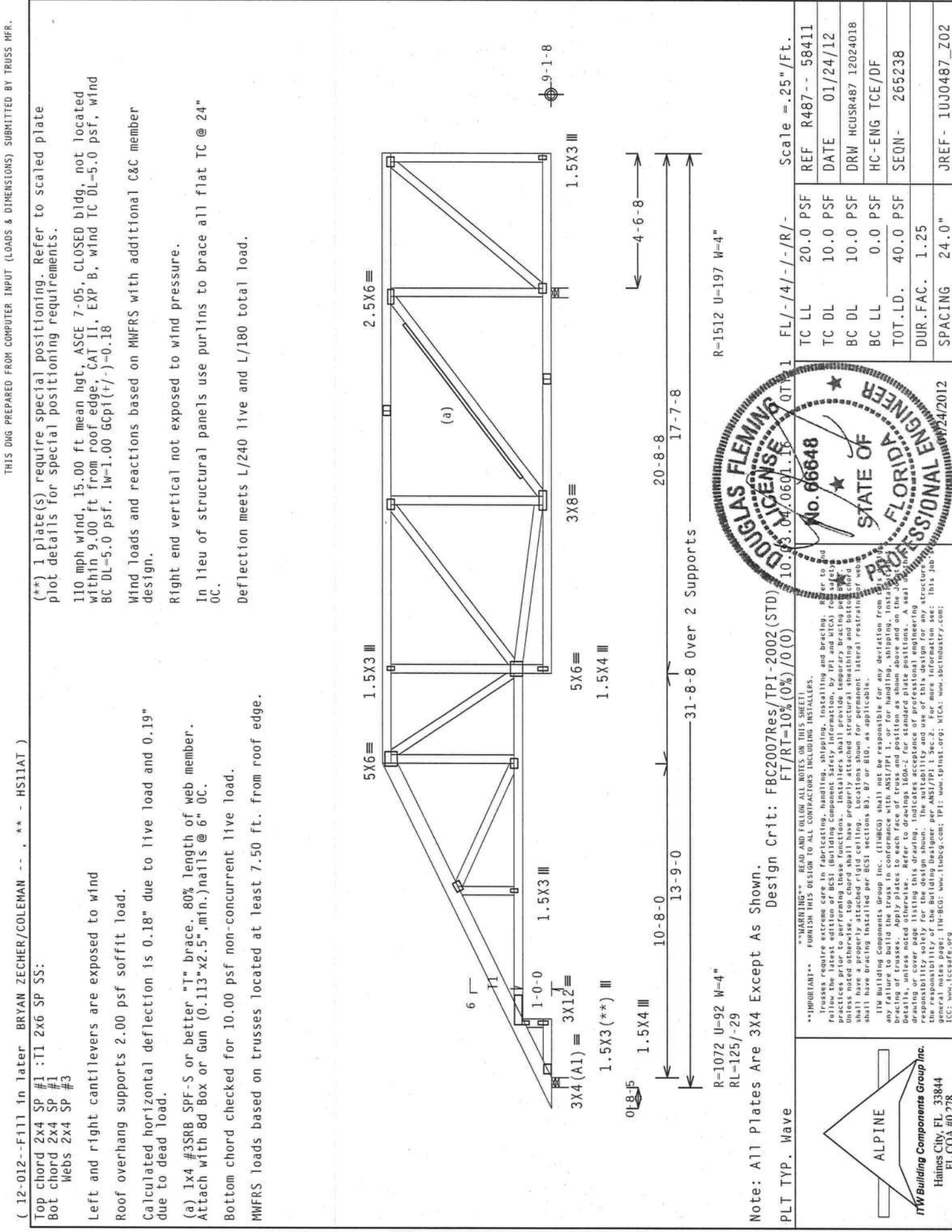
PLT TYP. 20 Gauge HS.Wave	Scale = .25" / Ft.
PLT TYP. 20 Gauge HS.Wave	REF R487-- 58410
PLT TYP. 20 Gauge HS.Wave	DATE 01/24/12
PLT TYP. 20 Gauge HS.Wave	DRW HCUSR487 12024008
PLT TYP. 20 Gauge HS.Wave	HC-ENG TCE/DF
PLT TYP. 20 Gauge HS.Wave	SEQN- 265106
PLT TYP. 20 Gauge HS.Wave	DUR.FAC. 1.25
PLT TYP. 20 Gauge HS.Wave	SPACING 24.0"
PLT TYP. 20 Gauge HS.Wave	JREF- 1UJ0487_Z02



****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 shall have bracing installed per BCSI sections 85, 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 accordance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses or related accessories. 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 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; WCA: www.bcsiindustry.com; ICC: www.iccsafe.org

ALPINE

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



THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.	
(12-012--Fill in later BRYAN ZECHER/COLEMAN --, ** - HS11AT)	
Top chord 2x4 SP #1 :T1 2x6 SP SS: 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.	
Calculated horizontal deflection is 0.18" due to live load and 0.19" due to dead load.	
(a) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.	
Bottom chord checked for 10.00 psf non-concurrent live load.	
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.	
(**) 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, 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. 1w=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.	
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.	
Deflection meets L/240 live and L/180 total load.	
R-1072 U=92 W=4" RL=125/-29	
Note: All Plates Are 3X4 Except As Shown.	
Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10% (0%)/0 (0)	
PLT TYP. Wave	
R-1512 U=197 W=4"	
Scale = .25" / Ft.	
REF R487-- 58411	
DATE 01/24/12	
DRW HCUSR487 12024018	
HC-ENG TCE/DF	
SEQN- 265238	
DUR.FAC. 1.25	
SPACING 24.0"	
JREF- 1UJ0487_Z02	

Top chord 2x4 SP #1 :T1 2x6 SP M-26:

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.

Calculated horizontal deflection is 0.18" due to live load and 0.19" due to dead load.

(a) Continuous lateral bracing equally spaced on member.

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.

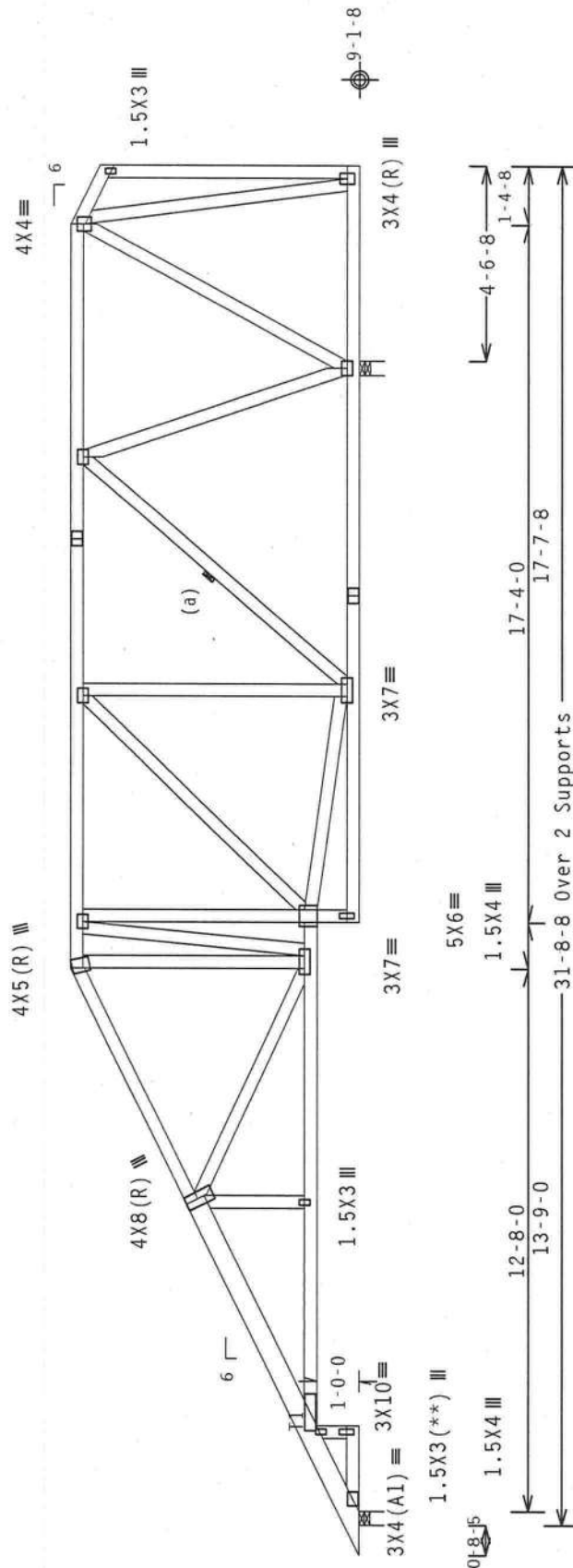
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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

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



R=1520 U=174 W=4"

R=1064 U=89 W=4"

RL=133/-45

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

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

PLT TYP. Wave

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

Scale = .25"/Ft.

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

IMPORTANT: FORMER THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Read and follow the latest edition of BCSP (Building Component Safety Information, by TPI and BCI) for all practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. The manufacturer shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 and B10, as applicable.

The Building Components Group Inc. (LHQBQ) shall not be responsible for any deviation from this specification. The manufacturer shall be responsible for any failure to build the trusses in accordance with ANSI/TPI 1 for handling, shipping, installation and erection 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 plate 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 sole responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; LH-800: www.lhbcg.com; TPI: www.tpi.net; WCA: www.wcafindust.com.

ALPINE

Building Components Group

Building Components Group
Union City, FL 33814

nes City, FL 338
FL COA #0 278

2012/01/24/2012

SPACING 24.0"

24.0"

.0" | 3

JREF

JREF-

REF- 1UJ

1UJ048

1UJ0487_Z

0487_Z02

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - H13AT)

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead 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. Iw=1.00 GCp1(+/-)=0.18

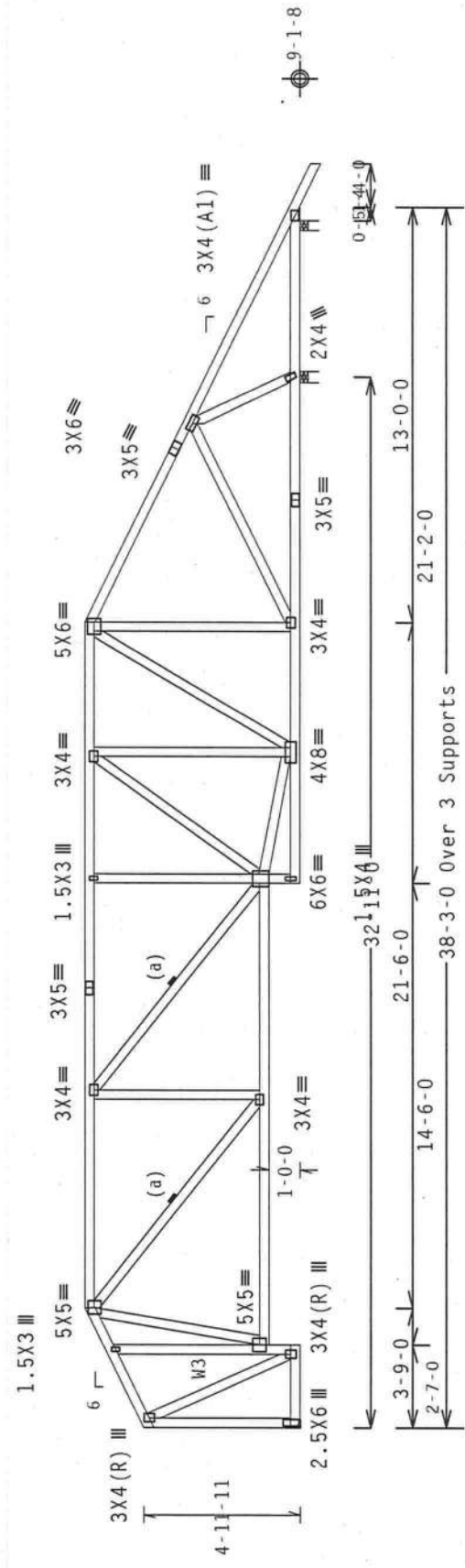
Wind loads and reactions based on MWFRS with additional C&C member design.

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

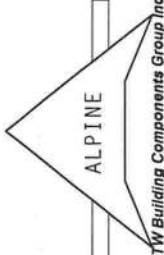
Bottom chord checked for 10.00 psf non-concurrent live load.

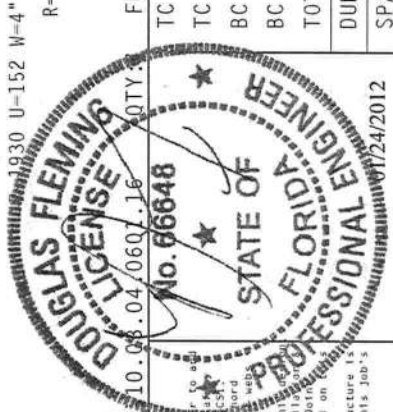
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R-1304 U-139
RL-86/-122 H-Simpson LUS26
Supported Member Face: (4)
Supporting Member Face: (4)
Supporting Member : (2) 2x6 SP #2

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

PLT TYP. Wave	Scale = .1875"/Ft.	
	FL/-4/-/-/R/-	REF R487-- 58414
 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	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"
JREF- 1UJ0487_Z02		



****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 BCSP (Building Component Safety Information, by TPI and HICA) for 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 the 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 for standard details and specifications. Seal on the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: LHM-BCG: www.itwbcg.com; TPI: www.tpiinst.org; HICA: www.bcindustry.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. Iw=1.00 GCpi (+/-)=0.18

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

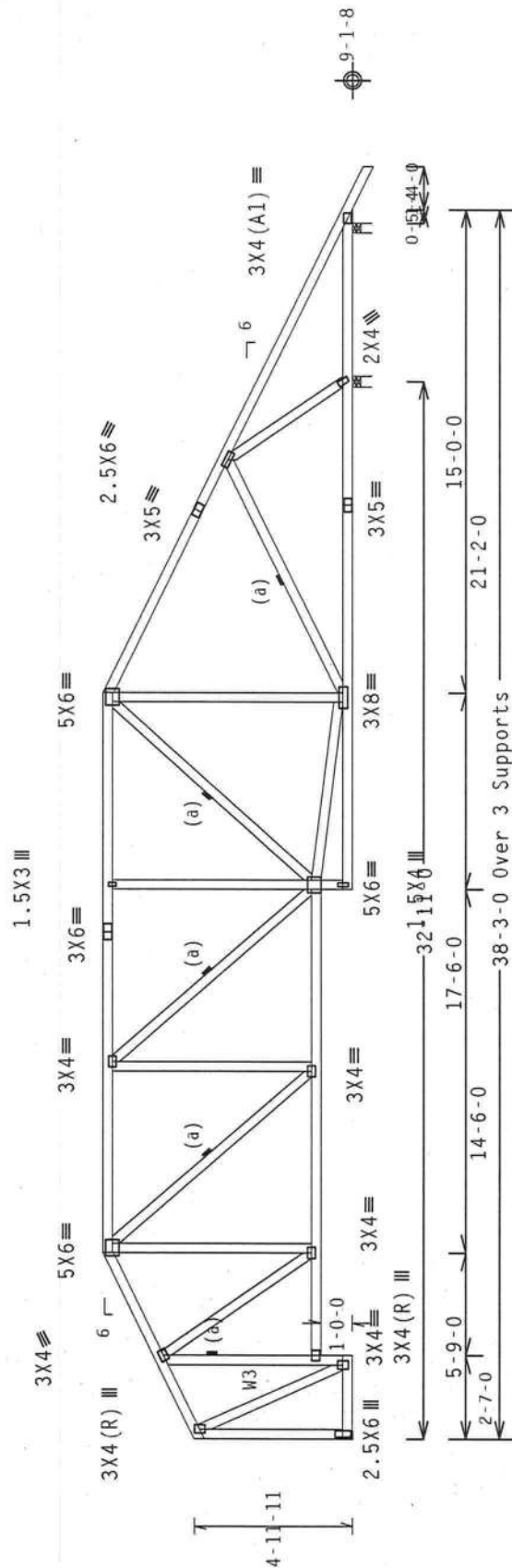
Wind loads and reactions based on MWFRS with additional C&C member design.

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.



R=1315 U=29

RL=108/-143 H=Simpson LUS26

Supported Member Face: (4)

Supporting Member Face: (4)

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

PLT TYP. Wave

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

10.03.04/0601.16 QTY:

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

Scale = .1875"/Ft.

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

[illegible][illegible]

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

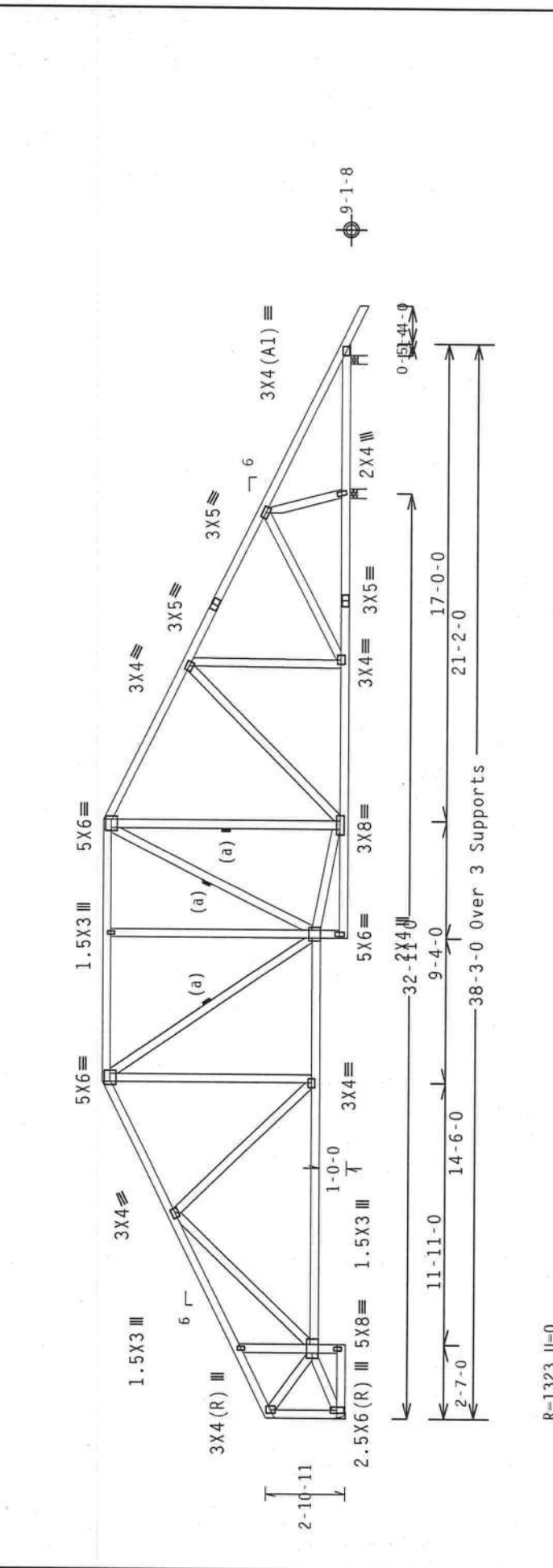
Haines City, FL 33844
FL COA #0278

aines City, FL 338
FL COA #0278

REF- 1UJ0487_Z02

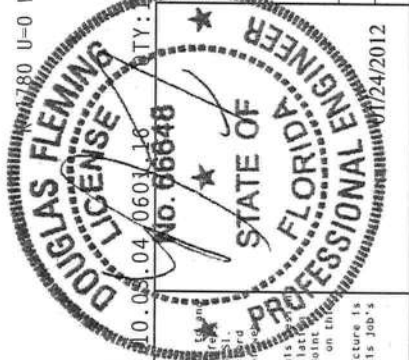
(12-012--Fill in later BRYAN ZECHER/COLEMAN -- ** - H17AT)
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.
Right cantilever is exposed to wind
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
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-1323 U-0
RL-162/-178 H-Simpson LUS26
Supported Member Face: (4)
Supporting Member Face: (4)
Supporting Member : (2) 2x6 SP #2
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave	Scale = .1875" / Ft.
REF R487-- 58416	TC LL 20.0 PSF
DATE 01/24/12	TC DL 10.0 PSF
DRW HCUSR487 12024003	BC DL 10.0 PSF
HC-ENG TCE/DF	BC LL 0.0 PSF
SEQN- 265348	TOT.LD. 40.0 PSF
DUR.FAC. 1.25	
SPACING 24.0"	

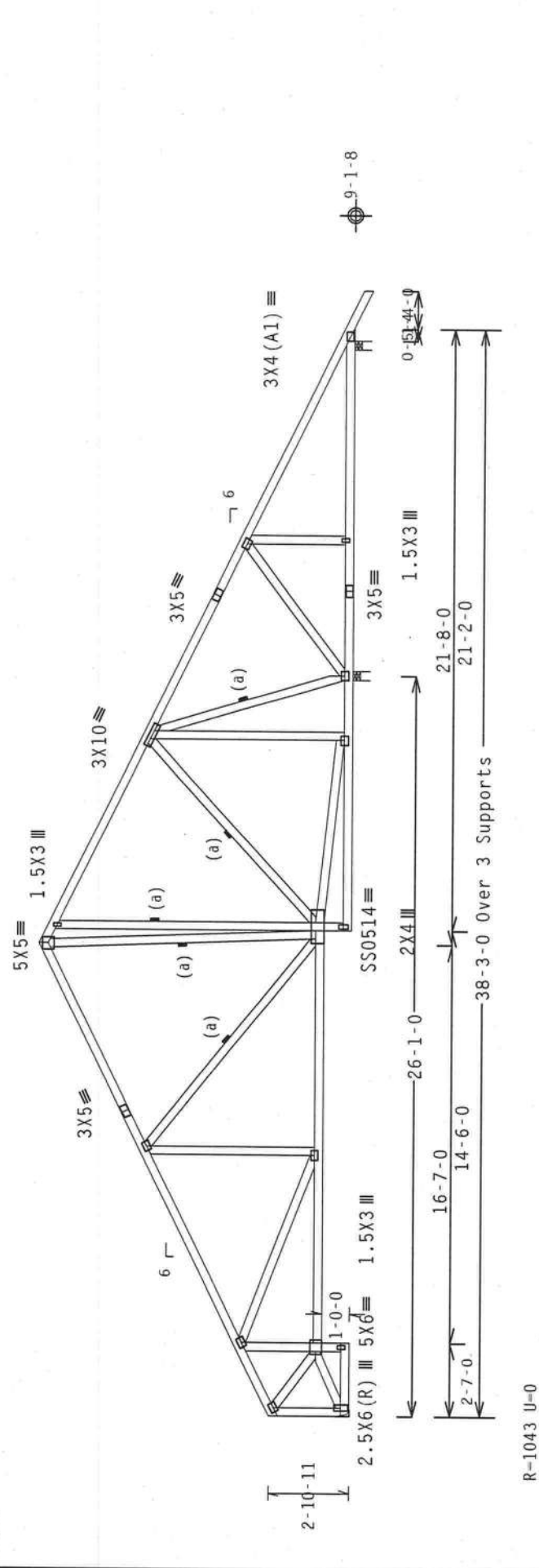


ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of the ITW Building Components Group Inc. (ITWBCG) design manual for details and practices prior to performing these functions. Installers shall provide adequate bracing for the trusses. Trusses shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSJ sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, 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 cover page listing this drawing. Indicates acceptance of professional engineering. The responsibility of the building designer per ANSI/TPI 1, Sec. 2.6. For more information, refer to the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - AT)
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.
Right cantilever is exposed to wind
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
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-1043 U=0
RL-212/-228 H-Simpson LUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member: (2) 2x6 SP #2
Note: All Plates Are 3x4 Except As Shown.

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

PLT TYP. 18 Gauge HS.Wave

R=412 U=9 W=3.5"

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF	R487--	58417
TC DL	10.0 PSF	DATE	01/24/12	
BC DL	10.0 PSF	DRW	HCUSR487	12024024
BC LL	0.0 PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0 PSF	SEQN-	265372	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UJ0487_Z02	

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

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/24/2012

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 and follow the instructions and details of the manufacturer's literature for proper installation and bracing practices prior to performing these functions. The truss manufacturer shall be responsible for the truss design and shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs. 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 1004-2 for standard plate positions. A seal on the drawing cover page listing this drawing, indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.abctindustry.com; ICC: www.iccsafe.org

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

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

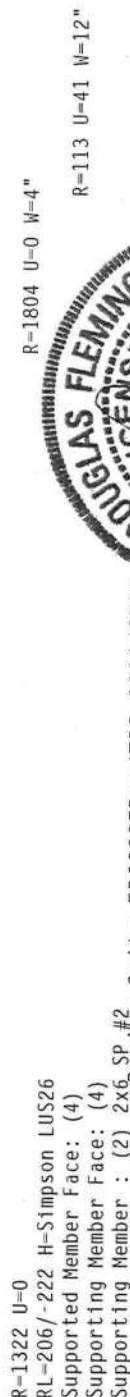
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

in = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

chain indicated. Refer to manufacturer publication for additional information.

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

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



design crit: FBC200/RES/IFI-2002(SID)
FT/RT=10%(0%) / 0 (0)

****IMPORTANT****

****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 Building Component Safety Information, by IPI and MICA for full details and instructions prior to performing these tasks. Trusses are to be installed in accordance with the practices noted otherwise. Top chord shall have properly attached structural sheathing and bracing. Decking shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint (webs) shall have bracing installed per BC31 sections 83, 87 or 810, as applicable.

ILW Building Components Group Inc. (ILWBCG) shall not be responsible for any deviation from the design shown. If a truss is found to be in non-conformance with the design, the responsibility for any failure to build the truss in conformance with ANSI/P1-1 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 Order Details, unless noted otherwise. Refer to drawings 100A-7 For standard plate positions. A seal on the drawing or cover plate 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/P1-1 Sec.2. For more information see: This Job's General notes page; ILW-BCG: www.ilwbcg.com; IPI: www.ipi.net; MICA: www.sbciindustries.com;

R=113 U=41 W=12"

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R487 - - 58418
TC DL	10.0 PSF	DATE 01/24/12
BC DL	10.0 PSF	DRW HCUSR487 12024023
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT.LD.	40.0 PSF	SEQN- 265397
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UJ0487_Z02

ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - H19AT)

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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. $I_w=1.00$ GCp1(+/-)=0.18

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

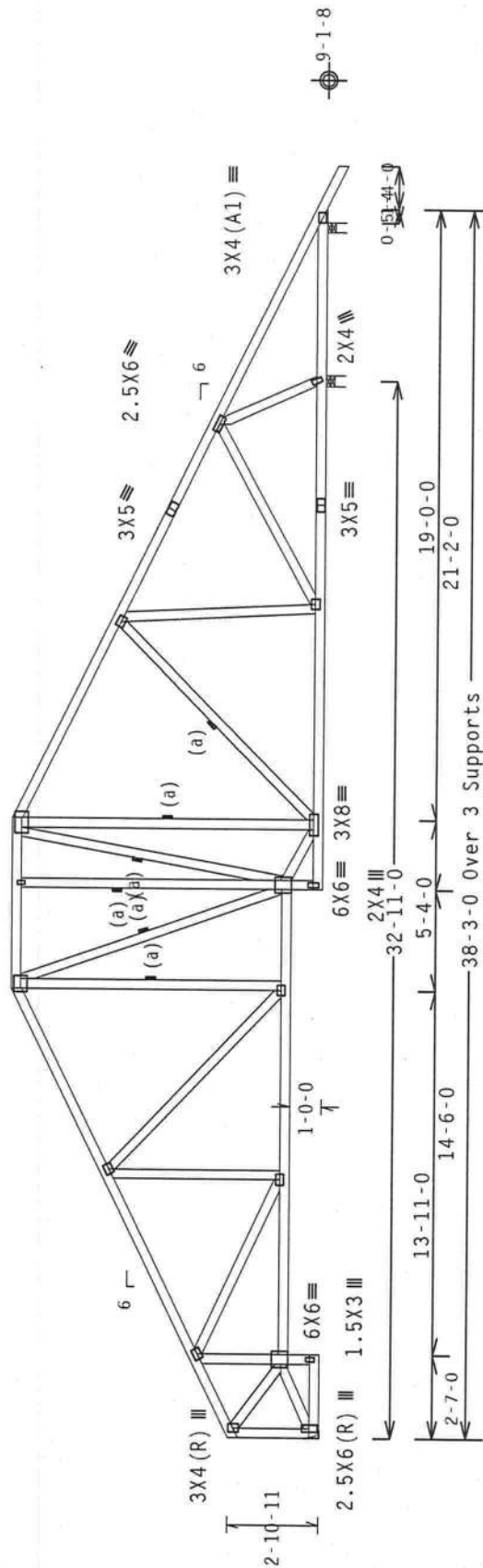
Roof overhang supports 2.00 psf soffit load.

(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.

5X8= 1.5X3 III



R-1325 U=0
RL-184/-199 H-Simpson LUS26
Supported Member Face: (4)
Supporting Member Face: (4)
Supporting Member : (2) 2x6 SP #2

R-1768 U=0 W=4"

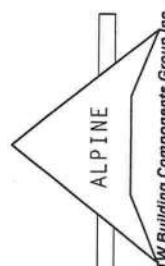
R-147 U=24 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

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

PLT TYP. Wave

Scale = .1875" / Ft.

 ALPINE 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, Inc. for all 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 webs 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 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. 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.nicaindustry.com; ICC: www.iccsafe.org			
	TC LL	20.0 PSF	FL / - / 4 / - / R / -	REF R487 -- 58419
	TC DL	10.0 PSF		DATE 01/24/12
	BC DL	10.0 PSF		DRW HCUSR487 12024021
	BC LL	0.0 PSF		HC-ENG TCE/DF
	TOT.LD.	40.0 PSF		SEQN- 265425
	DUR.FAC.	1.25		
	SPACING	24.0"		JREF- 1UJ0487_Z02

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

:Stack Chord SC1 2x4 SP #1::Stack Chord SC2 2x4 SP #1:

Roof overhang supports 2.00 psf soffit load.

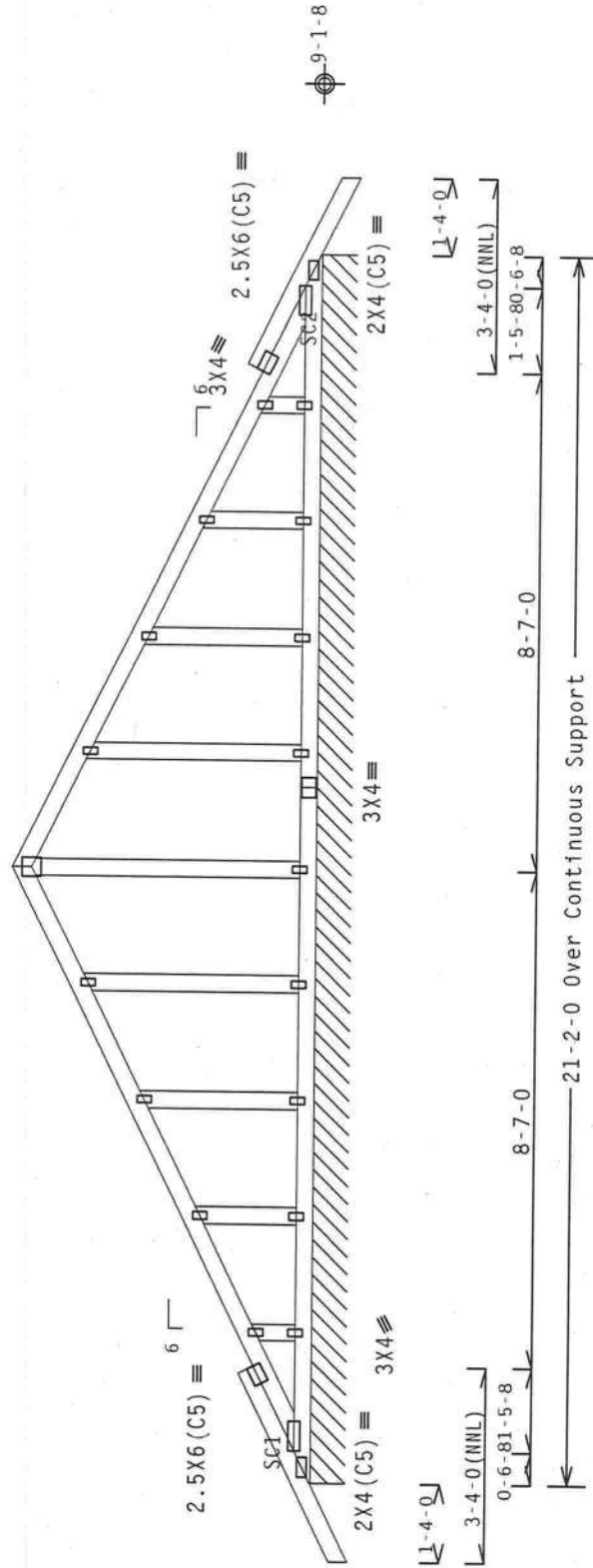
See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

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

Deflection meets L/180 live and L/120 total load.

4X4



R-121 PLF U-8 PLF W-21-2-0

RL-6/-6 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale = .3125" / Ft.

FL / - / 4 / - / R / -

REF R487 -- 58420

DATE 01/24/12

DRW HCUSR487 12024028

HC-ENG TCE/DF

SEQN- 264993

JREF- 1UJ0487_Z02

ALPINE

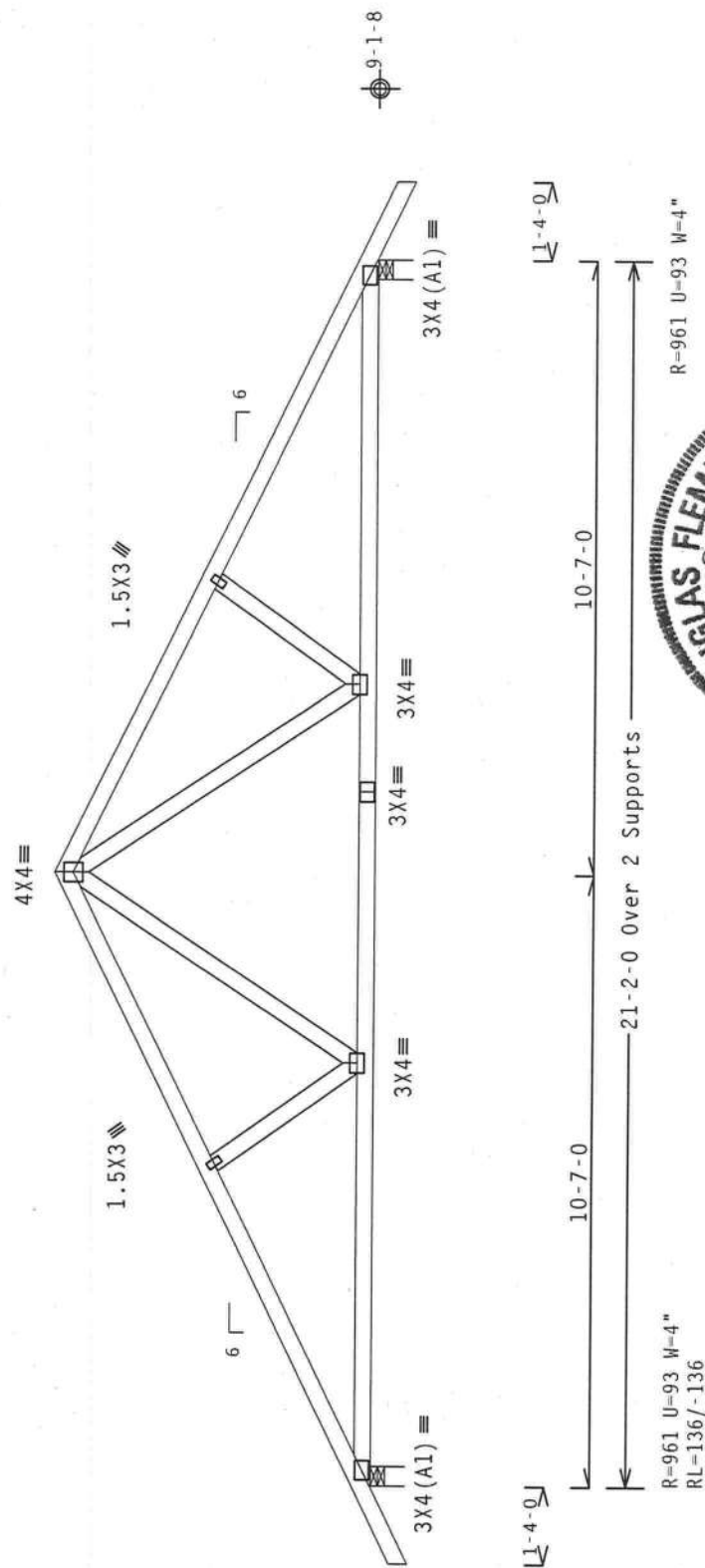
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



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.

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



R=961 U=93 W=4"
RL=136/-136

21-2-0 Over 2 Supports

R=961 U=93 W=4"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .3125"/Ft.

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

6.16 TY:

04 0603 16

10.0

$$0.0001 / 0.0001$$
 $\tau/RT=10\% (C$

FT

2

[illegible]

ave

PLT TYP. W

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Review and follow the latest edition of BCSP (Building Component Specification) for all trusses and all other components. Trusses shall be braced by an AISC or other approved bracing system. Trusses shall be braced in accordance with the manufacturer's instructions. Unless otherwise noted, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Ceilings shown for permanent lateral restraint on one side shall have bracing installed per BCSP sections 83, B7 or B10, as applicable.

The Building Components Group Inc. (INRBCO) shall not be responsible for any deviation from this drawing 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 1600-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information, contact: TPI, Inc., Sec. 2, or more information see: This Job's general notes page. TPI-BUC: www.tpiinc.com; TPI: www.tpiinc.org; NCA: www.nccinfo.net; CEA: www.tccsa.org

ALPINE

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

FL COA #0 278

FL COA #0 278

Final

01/24/2012

.com;

www.sbcindustry.com

nst.org; WICA: wa

URL: www.tpi.com

Site: www.1tubcg.com

is page: ITW-BC
:safe.org

general note
ICC: www.icc

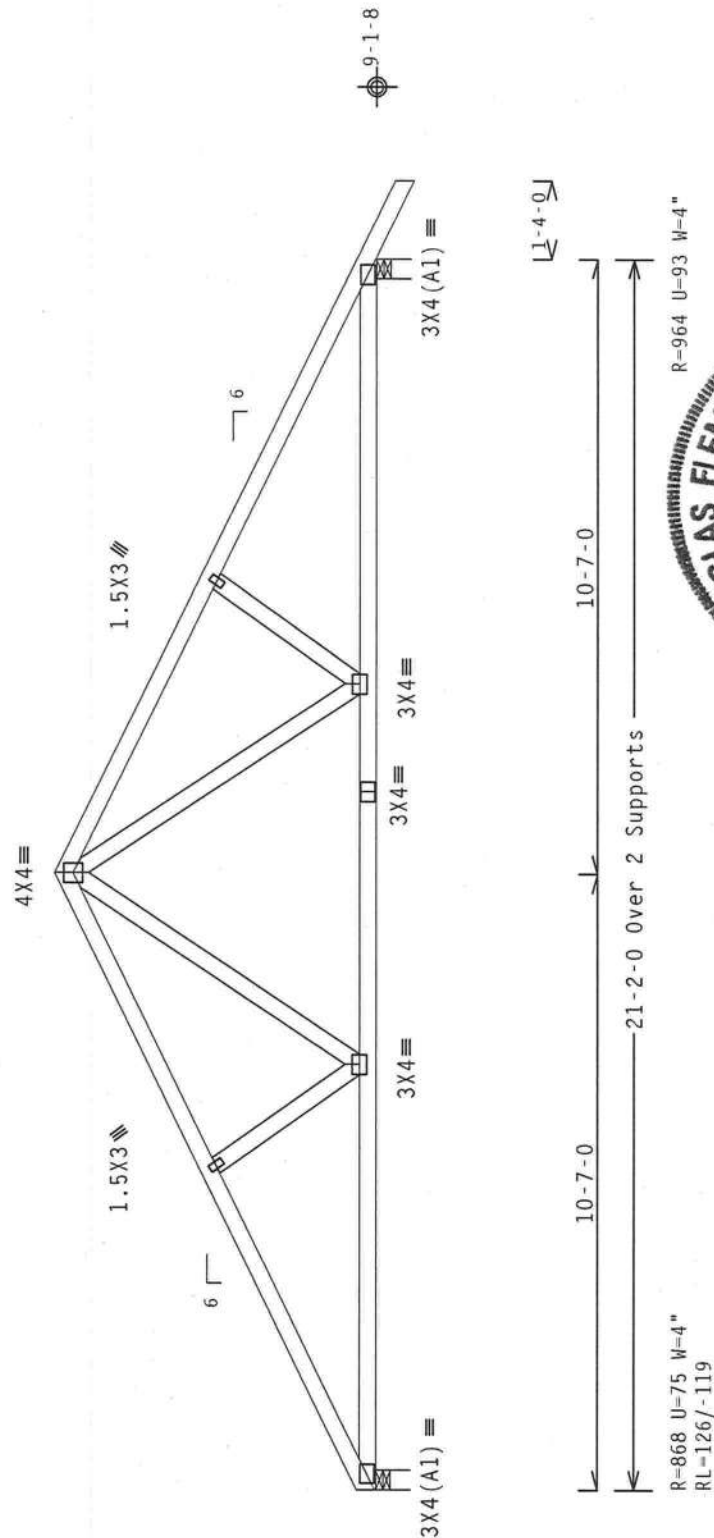
FL 33844
A #0 278

Haines City
FL COA

Roof overhang supports 2.00 psf soffit load.

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

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



R=868 U=75 W=4"
RL-126/-119

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

FT/RT=10%(0

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Installer to follow the latest edition of BCSP (Building Component Safety Information, by IPT and NITA) recommendations for bracing and installation. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have a properly attached structural sheathing and bottom chord shall have bracing installed per BCSP sections 83, B7 or B10, as applicable.

[illegible]

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

Scale = .3125"/Ft.

TC II	20.0 pSF
-------	----------

REF R487 - - 58422

TC DL 10.0 PSF

DATE 01/24/12

BC DL 10.0 PSF

ORW HCUSR487 12024036

BC LL 0.0 PSF

HC-ENG TCE/DF

TOT.LD. 40.0 PSF

265009

DUR.FAC. 1.25

1. <i>What is the main purpose of this study?</i> 2. <i>What are the research objectives?</i> 3. <i>What is the significance of the study?</i> 4. <i>What is the scope of the study?</i> 5. <i>What are the limitations of the study?</i> 6. <i>What is the methodology used in the study?</i> 7. <i>What are the results of the study?</i> 8. <i>What are the conclusions of the study?</i> 9. <i>What are the implications of the study?</i> 10. <i>What are the future research directions?</i>	1. <i>What is the main purpose of this study?</i> 2. <i>What are the research objectives?</i> 3. <i>What is the significance of the study?</i> 4. <i>What is the scope of the study?</i> 5. <i>What are the limitations of the study?</i> 6. <i>What is the methodology used in the study?</i> 7. <i>What are the results of the study?</i> 8. <i>What are the conclusions of the study?</i> 9. <i>What are the implications of the study?</i> 10. <i>What are the future research directions?</i>
--	--

SPACING 24.0"

REF- 1UJ0487_Z02

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(12-012--Fill in later BRYAN ZECHE/COLEMAN -- , ** - B2)

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

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

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

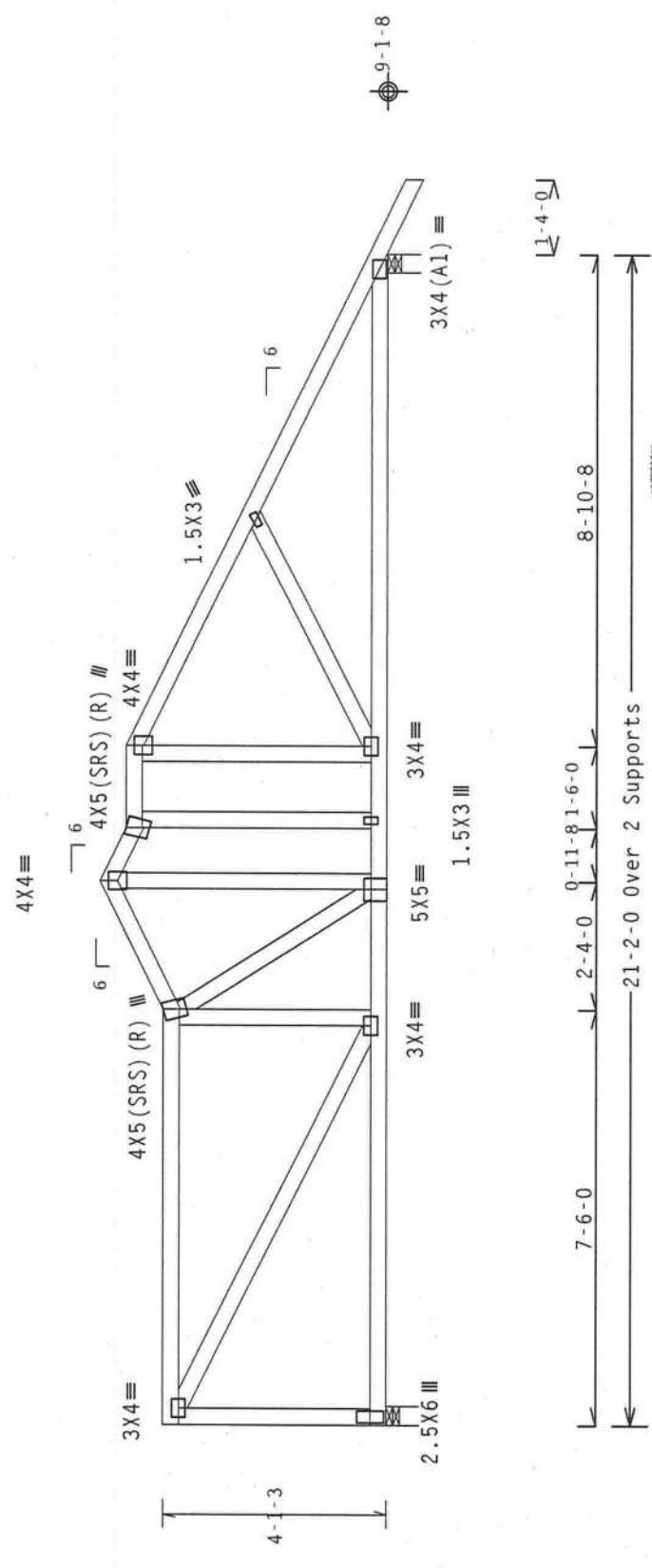
Deflection meets L/240 live and L/180 total load.

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.

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

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



R-862 U-92 W-4"
RL-60/-102

PLT TYP. Wave

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

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

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

10.00.04.0603.18
R-970 U-87 W-4"

TC LL	20.0 PSF	FL/-4/-/-R/-	Scale = .3125"/Ft.
TC DL	10.0 PSF	REF R487--	58423
BC DL	10.0 PSF	DATE	01/24/12
BC LL	0.0 PSF	DRW	HCUSR487 12024034
TOT.LD.	40.0 PSF	HC-ENG	TCE/DF
DUR.FAC.	1.25	SEQN-	265019
SPACING	24.0"	JREF-	IUJ0487_Z02

****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 MICA) 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 webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

iW Building Components Group Inc. (IWBG) shall not be responsible for any deviation from this design. IWBG shall not be responsible for any shipping, handling, installation, or bracing of trusses. Apply plates to each face of truss and all standard plate positions. A seal on the details, unless noted otherwise. Refer to drawings 1000-2 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/TPI 1 Sec.2. For more information see: This job's general notes page: IWBG: www.iwbog.com; TPI: www.tpinet.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org

(12-012--F111 in later BRYAN ZECHER/COLEMAN --, ** - B3)

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

Left 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.

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

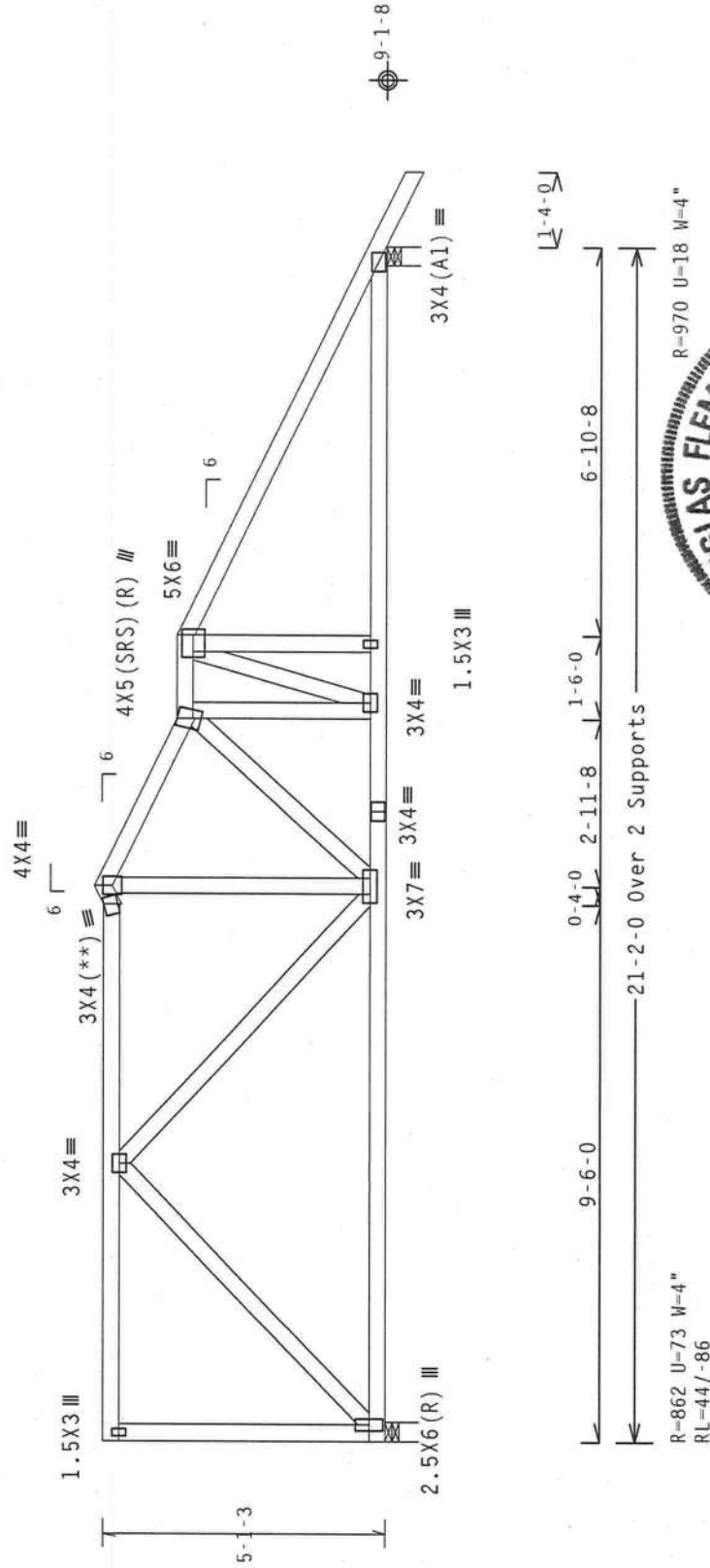
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, 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. $I_w=1.00$ $G_{CPI}(\pm)=0.18$

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

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

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



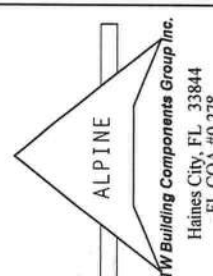
PLT TYP. Wave

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

Scale = .3125" / Ft.	FL / - / 4 / - / - / R / -
REF R487 - - 58424	TC LL 20.0 PSF
DATE 01/24/12	TC DL 10.0 PSF
DRW HCUSR487 12024031	BC DL 10.0 PSF
HC-ENG TCE/DF	BC LL 0.0 PSF
SEQN- 265025	TOT.LD. 40.0 PSF
DUR.FAC. 1.25	
SPACING 24.0"	
JREF- 1UJ0487_Z02	



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL COMPARTMENTS 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 HICA) for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached rigid cellular location. Trusses shall have lateral restraint. 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 or any failure to build the truss in accordance with ANSI/TPI 1 or HICA 1000. Trusses shall be braced in accordance with the details shown on the face of the truss and on the job. Details, unless noted otherwise. Refer to drawings 160A-1 for standard plate positions. A seal on drawing or cover page listing this design. 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 ITCC: www.itccsafe.org
ITCC: www.itccsafe.org



(12-012--F111 in later BRYAN ZECHER/COLEMAN -- , ** - BG)

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, 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 GCPI(+/-)=0.18

Left end vertical not exposed to wind pressure.

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

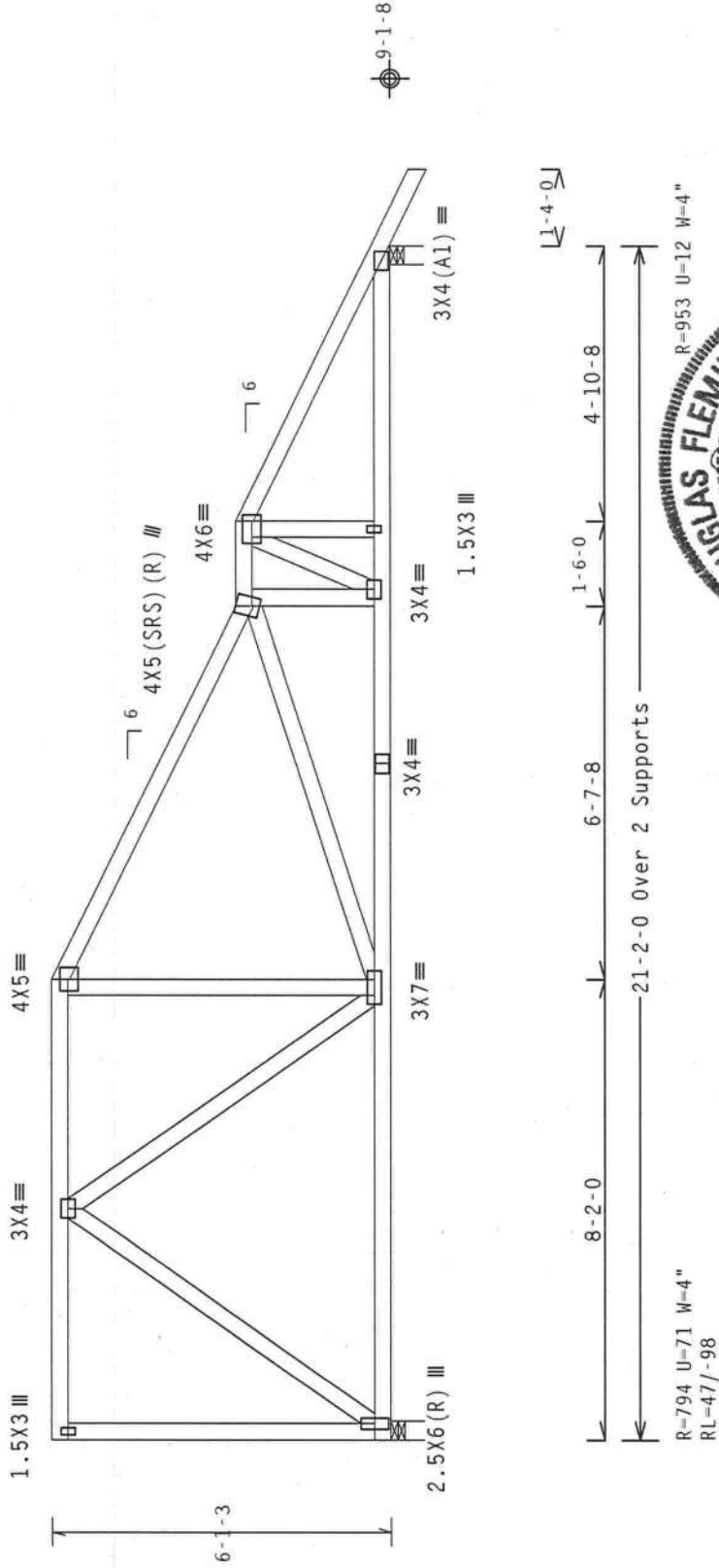
Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live 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.

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



R=794 U=71 W=4"
RL=47/-98

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

PLT TYP. Wave	Scale = .3125" / 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 and follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) 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. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and shall not be responsible for any damage to property or injury to persons resulting from the use of this design. Details, unless noted otherwise, shall be in accordance with the details shown on the joint 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; ITWBCG: www.itwbcg.com; TPI: www.tpiinst.org; MICA: www.sciindustry.com; IBC: www.iccsafe.org	FL / - / 4 / - / - / R / -
ALPINE	TC LL 20.0 PSF
ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	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-- 58425
	DATE 01/24/12
	DRW HCUSR487 12024038
	HC-ENG TCE/DF *
	SEQN- 265169
	JREF- 1UJ0487_Z02

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c.
Webs : 1 Row @ 4" o.c.

Species	Number of loads	Dur. Fac.-1.25	Plate Dur. Fac.-1.25
TC-From	62 plf at -1.33 to 9.00	62 plf at 9.00	62 plf at 9.00
TC-From	62 plf at 9.00 to 21.83	62 plf at 21.83	62 plf at 21.83
TC-From	62 plf at 21.83 to 27.58	62 plf at 27.58	62 plf at 27.58
BC-From	4 plf at -1.33 to 0.00	4 plf at 0.00	4 plf at 0.00
BC-From	20 plf at 0.00 to 20 plf at 7.06	20 plf at 7.06	20 plf at 7.06
BC-From	10 plf at 7.06 to 10 plf at 27.58	10 plf at 27.58	10 plf at 27.58
BC-3065.36	1b Conc. Load at 7.06	1b Conc. Load at 7.06	1b Conc. Load at 7.06
BC-1362.38	1b Conc. Load at 9.06	1b Conc. Load at 9.06	1b Conc. Load at 9.06
BC-1304.35	1b Conc. Load at 13.06	1b Conc. Load at 13.06	1b Conc. Load at 13.06
BC-1315.36	1b Conc. Load at 15.06	1b Conc. Load at 15.06	1b Conc. Load at 15.06
BC-1323.39	1b Conc. Load at 17.06	1b Conc. Load at 17.06	1b Conc. Load at 17.06
BC-1324.86	1b Conc. Load at 19.06	1b Conc. Load at 19.06	1b Conc. Load at 19.06
BC-1321.74	1b Conc. Load at 21.06	1b Conc. Load at 21.06	1b Conc. Load at 21.06
BC-1043.44	1b Conc. Load at 23.06	1b Conc. Load at 23.06	1b Conc. Load at 23.06
BC-1025.92	1b Conc. Load at 25.85	1b Conc. Load at 25.85	1b Conc. Load at 25.85

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

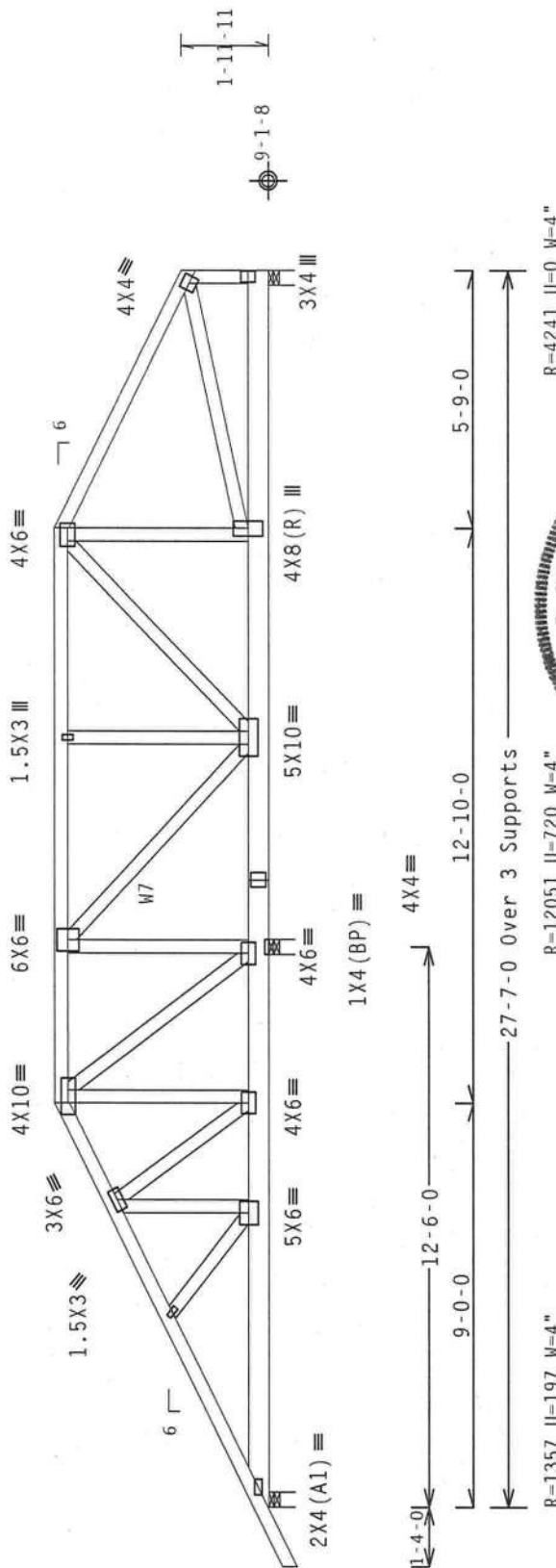
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

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.



R=4247 II=0 W=4"

P=12051 H=720 W=4"

P=1357 II=197 W=4"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .25"/Ft.

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

QTY

04/0607.16

02 (310) 10.0

-007 KES/IFI
/RT=10% (0%)

significantly

ve

PLT TYP.

****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 above.

Follow the latest edition of BCS1 (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1.

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 BCS sections B3, B7 or B10, as applicable.

any failure to build the truss in conformance with ANSITP1, or for handling, shipping, installation, or any other reason, the manufacturer shall not be responsible for any deviation from the approved design.

Apply plates to each face of truss and position as shown above and on the jointing of trusses. Refer to drawings 160A-2 for standard plate positions. A seal on details, unless noted otherwise.

The suitability and use of this design for any structure is the responsibility solely for the design shown. The drawing and cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Institution under ASCE 108-1, Sec. 2. For more information see ASCE 108-1, Sec. 2.

For more information see:
general notes page; ITW-8CG; www.itw8cg.com; IPI; www.tpinst.org; NICA; www.bcfindustry.com;

DOI: 10.1002/for

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - H7C)

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 62 plf at -1.33 to 62 plf at 0.00
Tc- From 62 plf at 0.00 to 62 plf at 7.00
Tc- From 128 plf at 7.00 to 128 plf at 23.83
Tc- From 62 plf at 23.83 to 62 plf at 27.58
Bc- From 4 plf at -1.33 to 4 plf at 0.00
Bc- From 20 plf at 0.00 to 20 plf at 7.00
Bc- From 44 plf at 7.00 to 44 plf at 23.83
Bc- From 20 plf at 23.83 to 20 plf at 27.58
Bc- 498.54 lb Conc. Load at 7.00, 23.83

The Building Designer shall evaluate and approve load magnitudes and locations as shown under "SPECIAL LOADS".
Truss Engineer & Fabricator are not responsible for load magnitudes and locations.

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.

Roof overhang supports 2.00 psf soffit load.

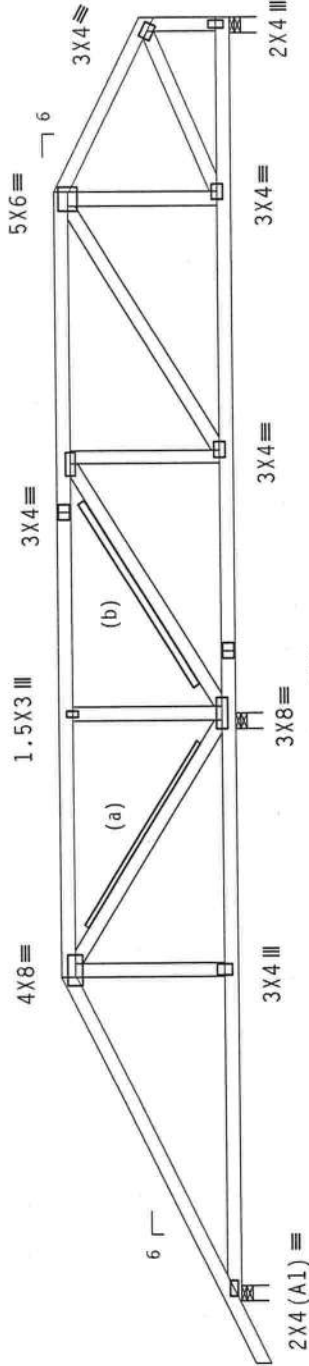
(a) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(b) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

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

2.5X6



12-6-0
7-0-0
16-10-0
3-9-0
R=759 U=82 W-4
R=2912 U=313 W-4
Scale = 1/4" = 1'-0"

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

Scale = 1/4" = 1'-0"



HARNING 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 Components Systems Inc.) Trussing Manual for details and practices prior to performing the work. The contractor shall provide temporary bracing per BCSI Manual. The contractor shall have properly attached structural sheathing and bottom chord 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 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 the drawing or cover page listing the design shown. The contractor shall be responsible for the structure is the responsibility solely for the design shown. The contractor shall be responsible for the structure is the responsibility solely for the design shown. For more information see: This Job's ICC: www.iccsafe.org

PLT TYP. Wave

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

FL/-4/-/-R/-	TC LL	20.0 PSF	REF	R487--	58427
	TC DL	10.0 PSF	DATE	01/24/12	
	BC DL	10.0 PSF	DRW	HCUSR487	12024037
	BC LL	0.0 PSF	HC-ENG	TCE/DF	
	TOT.LD.	40.0 PSF	SEQN-	265463	
	DUR.FAC.	1.25			
	SPACING	24.0"	JREF-	1UJ0487_Z02	

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - D)

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

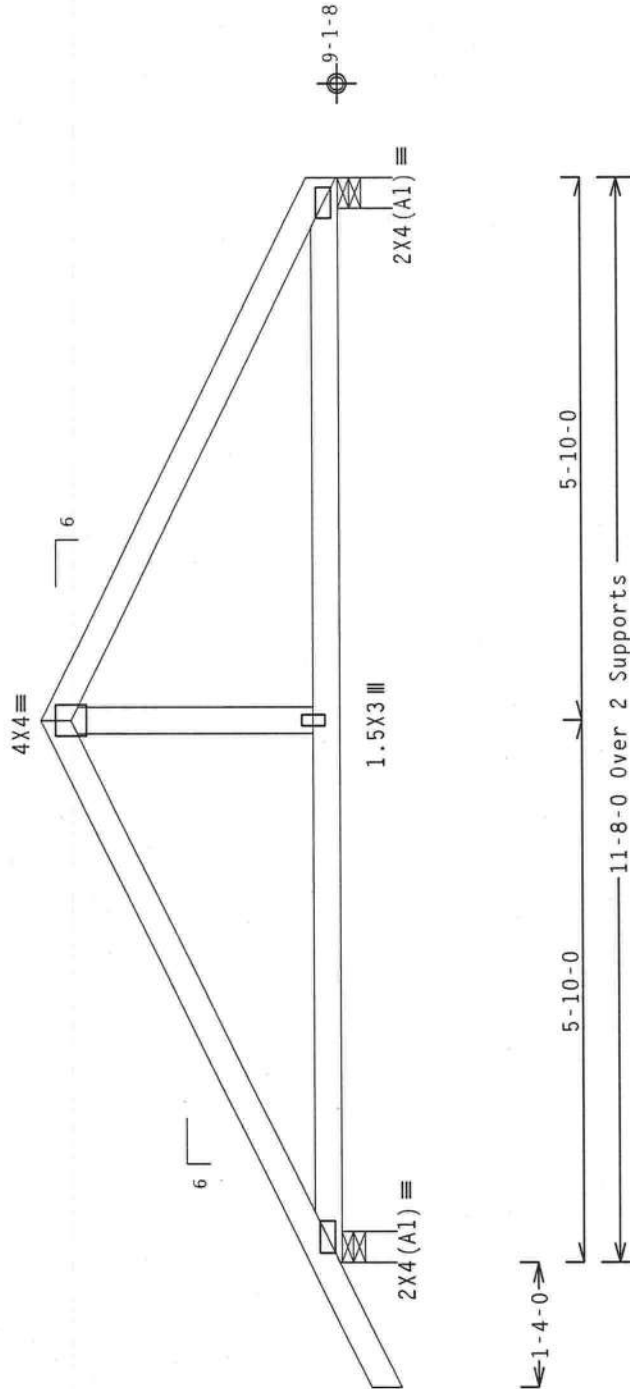
Roof overhang supports 2.00 psf soffit load.

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

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.

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



R=474 U=40 W=4"

R=576 U=59 W=4"

RL=70/-77

Design Crit: FBC2007Res/TPI-2002(STD)

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

PLT TYP. Wave

Scale = .5" / Ft.

FL / - / 4 / - / R / -

QTY 3

10.08.04.0601.15

REF R487--

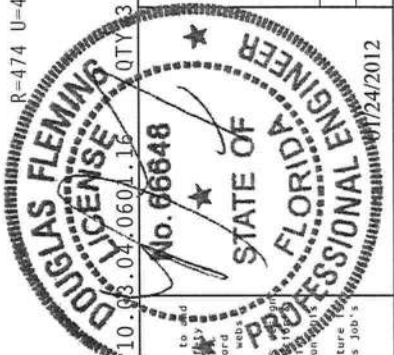
DATE 01/24/12

DRW HCUSR487 12024011

HC-ENG TCE/DF

SEQN- 264983

JREF- 1UJ0487_Z02



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.	
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 MICA) for details on bracing practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint are web locations shall have bracing installed per BCSI sections 85, 87 or 810, as applicable.		ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of trusses. Apply places of connection to the truss in accordance with the design. The designer shall be responsible for the design of the building and the use of this design for any structure other than the one shown. 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	

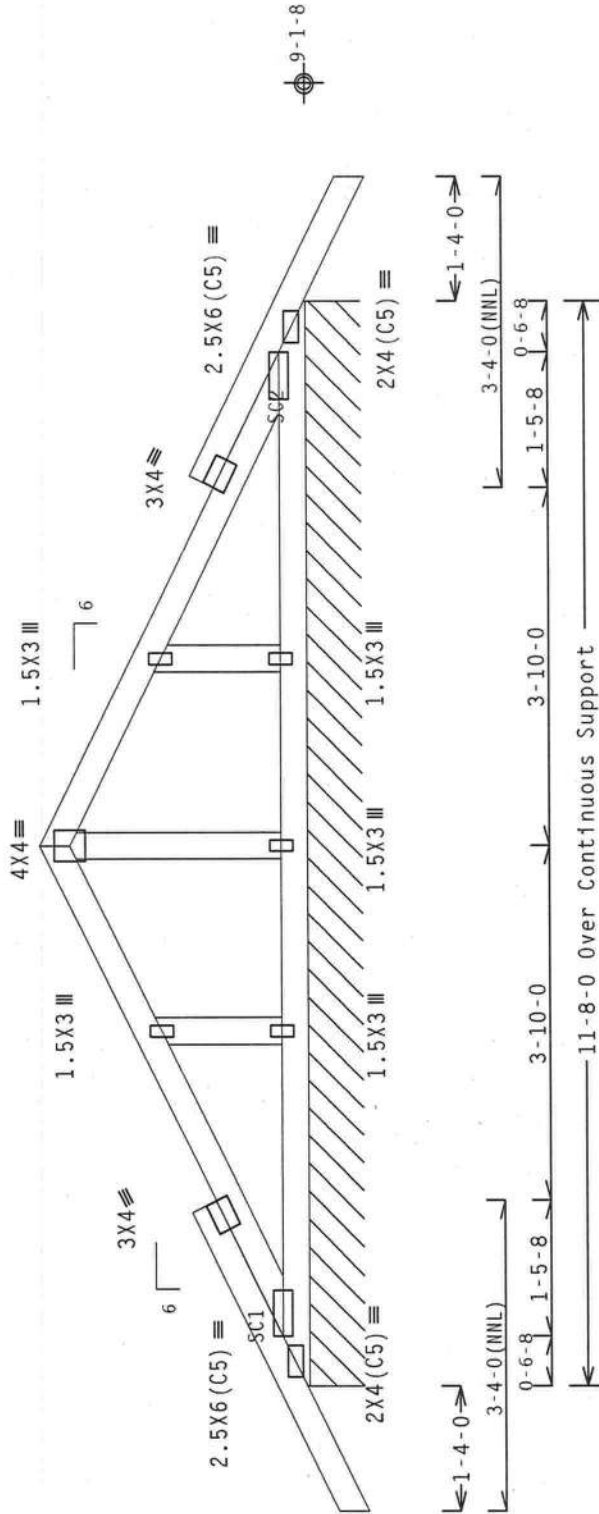
(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - DGE)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #1::Stack Chord SC2 2x4 SP #1:
Roof overhang supports 2.00 psf soffit load.
See DWGS A11015050109 & 6BLLEI10109 for more requirements.
In lieu of structural panels use purlins to brace TC @ 24" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/180 live and L/120 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.

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



R-117 PLF U=9 PLF W=11-8-0
RL=7/-7 PLF

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

PLT TYP. Wave	Scale = .5" / Ft.	
	REF	R487 -- 58429
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	DATE	01/24/12
	DRW	HCUSR487 12024001
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	HC-ENG	TCE/DF
	SEQN	264987
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	DUR.FAC.	1.25
	SPACING	24.0"
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	JREF	1UJ0487_Z02
	JREF	1UJ0487_Z02

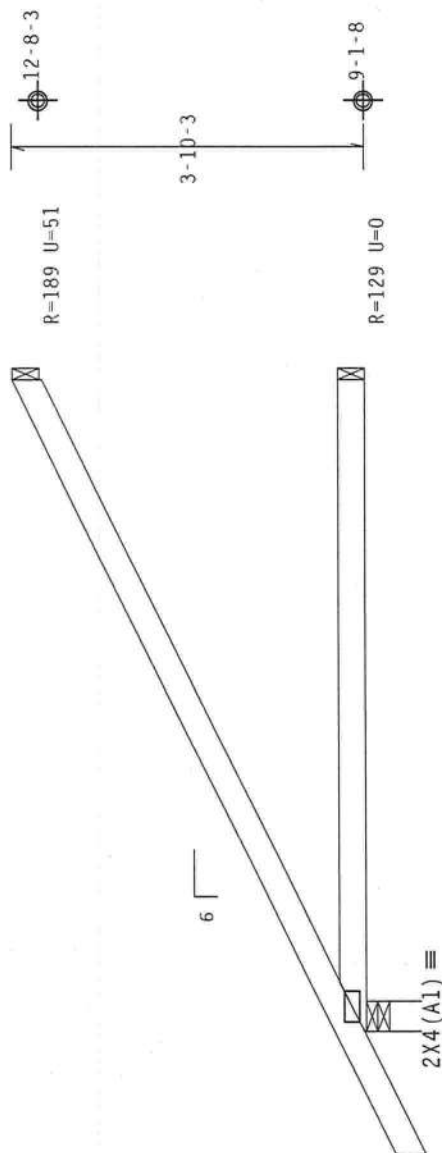
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpl (+/-)=0.18

Root overhang supports 2.00 psi soil 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.



1-4-07

← 7-0-0 Over 3 Supports

R=394 U=22 W=4"
RL=96/-35

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

PLT TYP. Wave

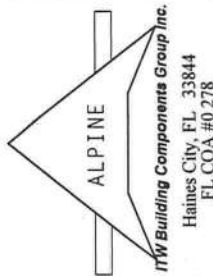
5 FL/-/4/-/R/-	Scale = .5"/Ft.
TC LL 20.0 PSF	REF R487-- 58431
TC DL 10.0 PSF	DATE 01/24/12
BC DL 10.0 PSF	DRW HCUSR487 12024026
BC LL 0.0 PSF	HC-ENG TCE/DF
TOT.LD. 40.0 PSF	SEQN- 264940
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UJ0487_Z02



****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 IPI and NICA for more detailed instructions prior to performing these functions. Installers shall provide temporary bracing per the notes 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.

The ILW Building Components Group Inc. (ILWBCG) shall not be responsible for any deviation from the drawings or instructions due to the following: (1) improper handling, shipping, installation, or erection of the trusses; (2) failure to build the truss in conformance with ANSI/IPI 1.1 or for handling, shipping, installation, or erection of the trusses. Apply plates to each face of truss and position as shown above and on the Joist Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the bottom chord of the truss is required for all drawings and cover plate 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/IPI 1 Sec.2. For more information see: This Job's General notes page: ILW-Building.com; IPI: www.ipi.net; NICA: www.nicaindustry.com.



(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - CJ5)

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

Roof overhang supports 2.00 psf soffit load.

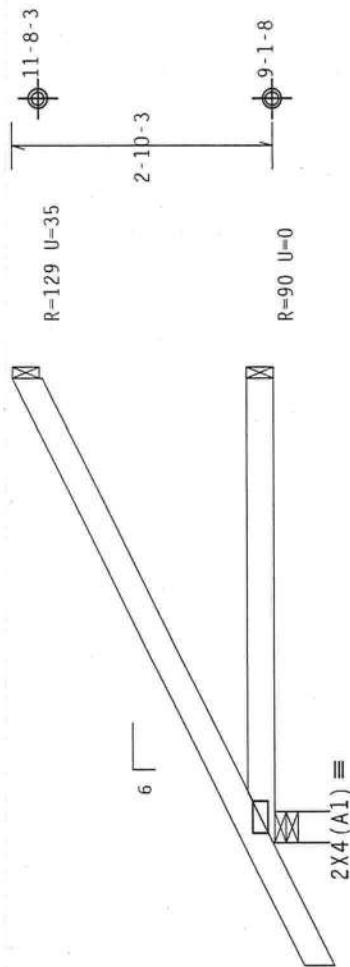
Bottom chord checked for 10.00 psf non-concurrent live load.

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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.



1-4-0

5-0-0 Over 3 Supports

R-316 U=21 W=4"
RL=73/-30

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

PLT TYP. Wave

Scale = 5" / Ft.

FL/-4/-/-R/-

TC LL

TC DL

BC DL

BC LL

TOT.LD.

DUR.FAC.

SPACING

REF

DATE

DRW

HC-ENG

SEQN-

JREF-

10.04.0601.18

No. 66648

01/24/2012

01/24/2012

ALPINE

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

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/24/2012

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL COMPARTMENTS 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 NICA) for details and practices prior to performing these functions. Installers shall provide temporary bracing per practices 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 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 1604-2 for standard plate positions. In seal on the drawing, unless noted otherwise, 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

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- . ** - CJI)

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

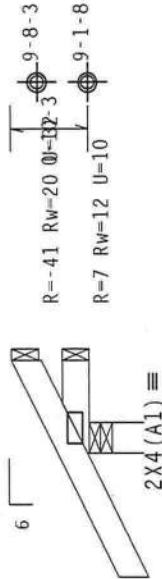
Roof overhang supports 2.00 psf soffit load.

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

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. Iw=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.



1-4-0
1-0-0 Over 3 Supports

R-222 U=40 W=4"
RL-26

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

PLT TYP. Wave

Scale = .5" / Ft.

FL/-4/-R/-

10.00 04 0601.16

QTY:

10.00 04 0601.16

REF R487-- 58434

DATE 01/24/12

DRW HCUSR487 12024016

HC-ENG TCE/DF

SEQN- 264952

JREF- 1UJ0487_Z02

ALPINE

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



ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any structure. This job's general notes page: ITN-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicainstitute.org

(12-012--F111 in later BRYAN ZECHER/COLEMAN -- , ** - HJ7)

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

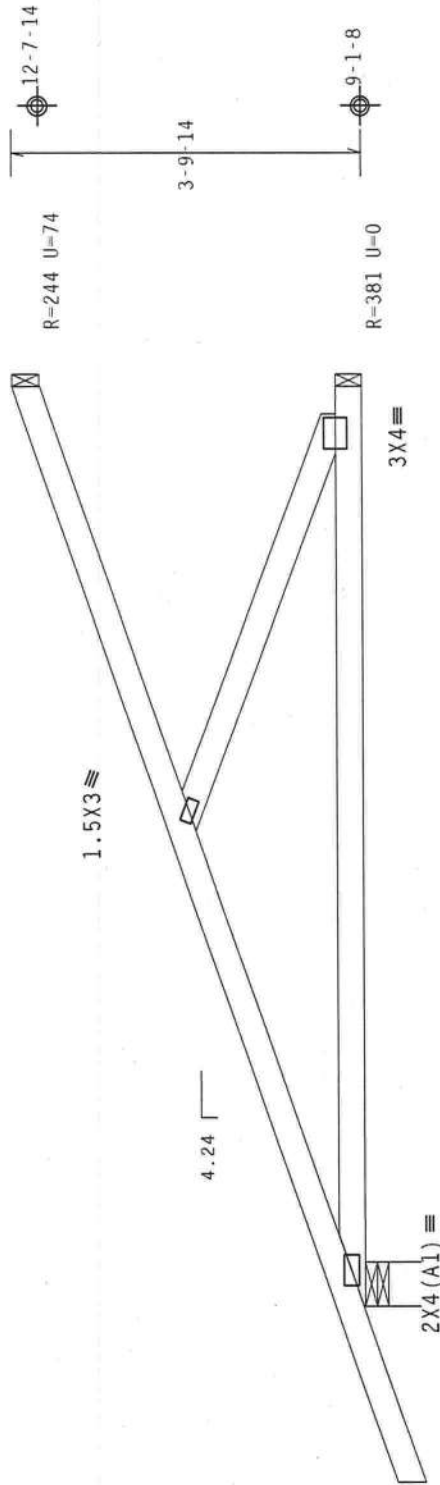
Hipjack supports 7'-0" set back jacks with no webs.

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. Iw=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 (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-10-10

9'-10-13 Over 3 Supports

R-439 U=51 W=5.657"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .5" / Ft.

FL / - / 4 / - / R / -

TY: 10.03.04 0603.16

No. 06648

10.03.04 0603.16

10.03.04 0603.16

10.03.04 0603.16

10.03.04 0603.16

10.03.04 0603.16

****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 only shall have bracing installed per BCSI sections 85, 87 or 810, 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 each chord and web to provide permanent lateral restraint. The drawings and cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the building 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.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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



TC LL	20.0 PSF	REF	R487--	58435
TC DL	10.0 PSF	DATE	01/24/12	
BC DL	10.0 PSF	DRW	HCUSR487	12024020
BC LL	0.0 PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0 PSF	SEQN-	265460	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UJ0487_Z02	

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - J1)

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.

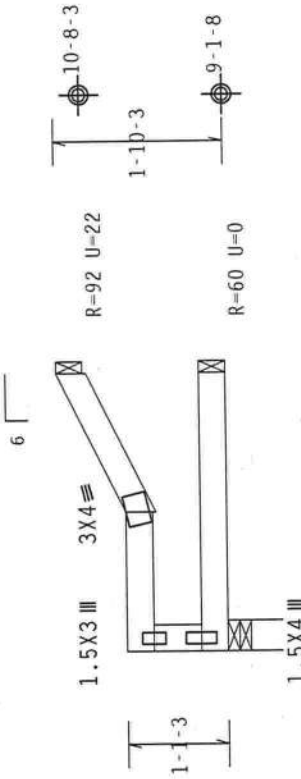
Bottom chord checked for 10.00 psf non-concurrent live load.

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 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 1-6-0
3-0-0 Over 3 Supports
R-124 U-5 W-4"

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

PLT TYP. Wave

Scale = .5" / Ft.

FL/-14/-1-/R/-

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

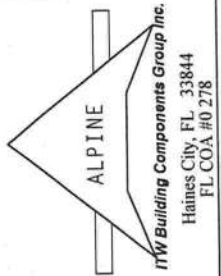
DUR.FAC. 1.25

SPACING 24.0"

REF	R487--	58437
DATE	01/24/12	
DRW	HCUSR487	12024010
HC-ENG	TCE/DF	
SEQN	264962	
JREF	1UJ0487_Z02	



****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 Institute) Truss Installation Manual for details and practices prior to performing these activities. Trusses shall be installed in accordance with the manufacturer's instructions. Unless noted otherwise, all connections shall be properly attached structural sheathing and bottom chord bracing shall be installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCGI) shall not be responsible for any deviation from this design or the responsibility of the Building Designer. The responsibility of the Building Designer shall be to verify the design and the responsibility of the Building Designer shall be to verify the design and the responsibility of the Building Designer shall be to verify the design. For more information see: This job's general notes page.
ITW: www.itwbcgi.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com

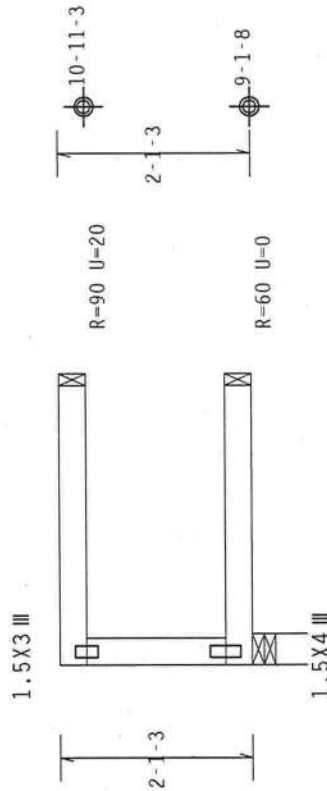


110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

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

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

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.



3-0-0 over 3 Supports

R=120 I=13 W=4"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

DATE 01/24/12

REF R487 - 58438

****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 BESI (Building Component Safety Information, by TPI and WICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BESI unless noted otherwise. Top chord shall have properly attached permanent bracing per BESI. Trusses shall have a properly installed and braced lateral restraint system. Trusses shall have bracing installed per BESI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown on this drawing. ITWBCG shall not be responsible for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order Details, unless noted otherwise. Refer to drawings 1600-2. For standard plate positions. A seal or stamping 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 solely of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: the general notes page: ITW-BCG: www.itwbcg.com; ANSI/TPI: www.spintest.org; NICA: www.decmidwest2.com.

No. 66848

STATE OF FLORIDA

PROFESSIONAL ENGINEER

01/24/2012

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	SEQN-	264967
DUR.FAC.	1.25			
SPACING	24.0"		JREF -	1UJ0487_Z02

(12-012--Fill in later BRYAN ZECHER/COLEMAN -- , ** - J3)

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

Left end vertical not exposed to wind pressure.

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

Truss must be installed as shown with top chord up.

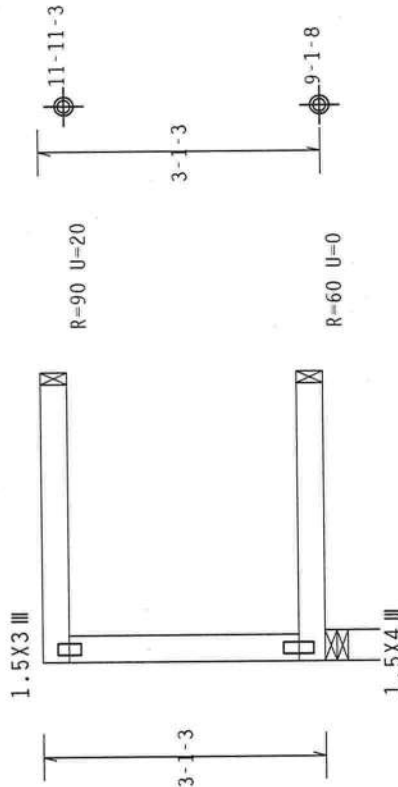
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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.

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



3-0-0 Over 3 Supports

R=120 U=13 W=4"

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

PLT TYP. Wave

Scale =.5"/Ft.

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

QTY:

10.00 .04 0603.16

REF R487-- 58439

DATE 01/24/12

DRW HCUSR487 12024030

HC-ENG TCE/DF *

SEQN- 264971

JREF- 1UJ0487_Z02

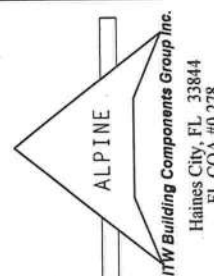


WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the manufacturer's instructions for details. Building Component Safety Information, by TPI and NICA, for details. Trusses shall be installed in accordance with the manufacturer's instructions. 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.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the joining details, unless noted otherwise. Refer to drawings 1000-2 for standard professional engineering details, or cover page listing this drawing. 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; IITW-BCG: www.iitwbcg.com; TPI: www.tpinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org



Top	chord	2x4	SP	#1
30t	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.

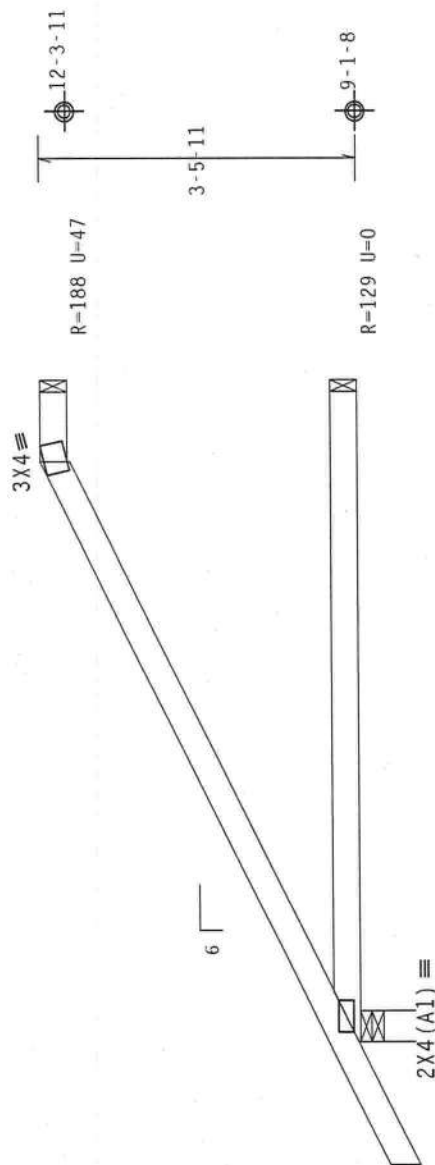
provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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 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.

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



7-4-0

6-3-0

-7-0-0 Over 3 Supports

P=394 I=26 W=4"

RL-87/-33

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

PLT TYP. Wave

Scale = .5"/Ft.

FL 1-141-1-1R1-

20.0 PSF

RFF R487-- 58440

10 0 psc

DATE 01/24/12

[illegible]

0011 00000007 10004007

10.0

END OF THE LINE

0.0 P3F

HUG-ENG ICE/DI

01.LD. 40.0 PSF

850597 -ND75

OUR.FAC. 1.25

174

SPACING 24.0"

JREF- 1UJ0487_Z02



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:

T-BRACE
OR
L-BRACE

APPLY TO EITHER SIDE OF WEB NARROW FACE.

ATTACH WITH 10d BOX OR GUN

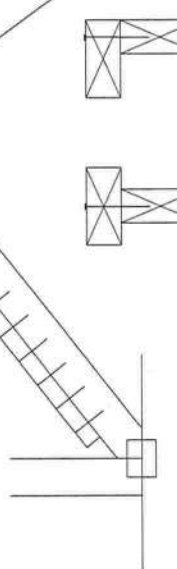
(0.128" x 3" MIN) NAILS.

AT 6" O.C.

BRACE IS A

MINIMUM 80% OF WEB

MEMBER LENGTH



T-BRACE

L-BRACE

SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

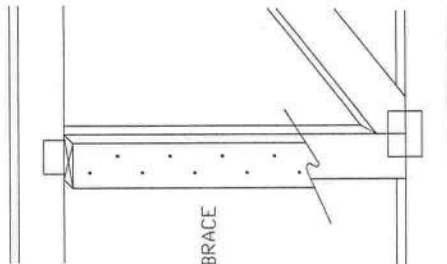
ATTACH WITH 10d BOX OR GUN

(0.128" x 3" MIN) NAILS.

AT 6" O.C.

BRACE IS A MINIMUM

80% OF WEB MEMBER LENGTH



SCAB BRACE



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to ITV Building Components Group Inc. (ITVBCG) for safety practices prior to
Follow BCSI (Building Component Safety Information, by TPI and VITCA) 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 lateral restraint of webs and
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 its
design, any failure to build the truss component design shown. The suitability and
adequacy of the design is the responsibility of the engineer of record. This component is
Grade 37,400/60 (60/60) galv. steel. Apply plates to each face of truss, positioned as shown on
and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility
solely for the truss component design shown. The suitability and adequacy of the design is the
responsibility of the engineer of record. This component is Grade 37,400/60 (60/60) galv. steel.
ITV-BG www.itvbg.com, TPI www.tpiinc.com, VITCA www.vitca.com, ICC www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045

REF CLB SUBST.

DATE 1/1/09

DRWG BRCLBSUB0109

PSF

PSF

PSF

PSF

TC LL

TC DL

BC DL

BC LL

TOT. L.D.

DUR. FAC.

SPACING

GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

MAX GABLE VERTICAL LENGTH	2X4 VERTICAL SPACING	BRACE GRADE	BRACE		NO. BRACES		(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" D.C.	SPF	#1 / #2	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#3	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	STANDARD	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#1	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
16" D.C.	SPF	#2	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#3	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	STANDARD	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#1 / #2	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
12" D.C.	SPF	#3	8' 5"	8' 5"	10' 0"	10' 0"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	4' 9"	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	8' 5"	8' 5"	10' 0"	10' 0"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#3	8' 5"	8' 5"	10' 0"	10' 0"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	HEM-FIR
#1 / #2	STANDARD
#3	STANDARD

GROUP B:

DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	STANDARD
STANDARD	STANDARD

GROUP C:

DOUGLAS FIR-LARCH	SOUTHERN PINE
#1	#2
#2	#1

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

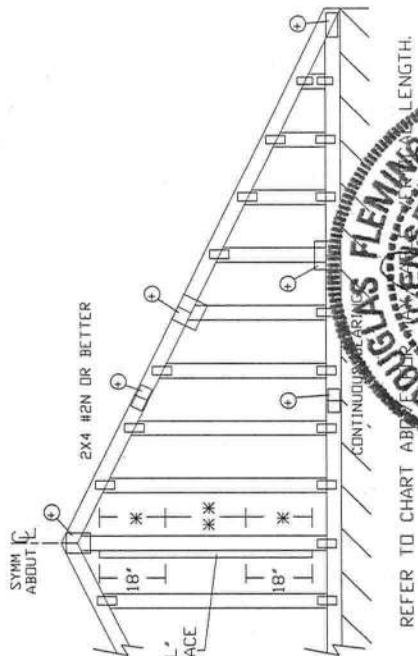
* FDR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4' O.C. BETWEEN ZONES.

* FDR (2) "L" BRACE: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6' O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2/5X4
GREATER THAN 11' 6"	3X4

* REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following notes for details. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITV Building Components Group Inc. (ITVBCG) shall not be responsible for any deviation from the design, any failure to build the truss in accordance with the design, or any failure to follow the manufacturer's instructions. The manufacturer's instructions shall be followed. The manufacturer's instructions shall be followed. The manufacturer's instructions shall be followed.

A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The seal shall be used on the component for any other use. The seal shall be used on the component for any other use. The seal shall be used on the component for any other use.

ITV-BCG: www.itvbcg.com, ITV: www.itv.com, VICA: www.vicaindustrial.com, ICC: www.iccsafe.org

ITV Building Components Group Inc.

Earth City, MO 63045

Earth City, MO 63045

DOUGLAS FLEMING

ENGINEER

No. 66848

STATE OF FLORIDA

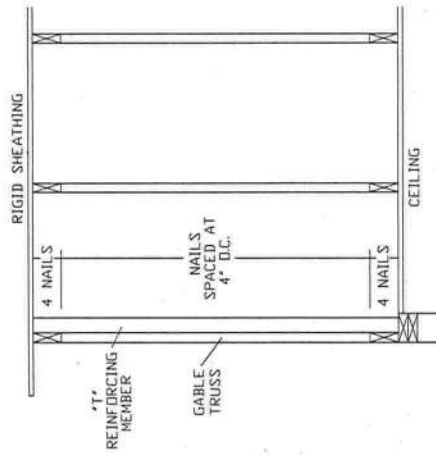
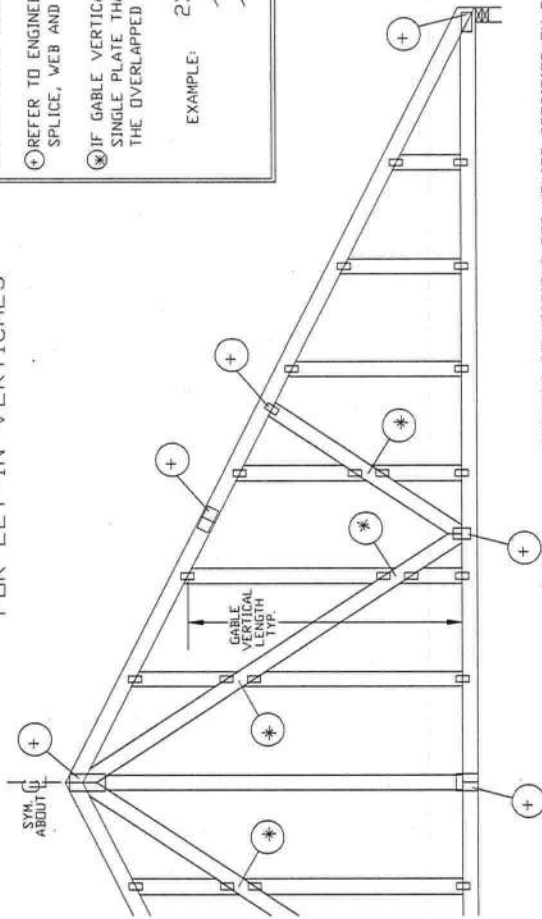
PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-05-GABI1015
DATE	1/1/09
DRWG	A11015050109

GABLE DETAIL FOR LET-IN VERTICALS



GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITV GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

⊗ IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH 'T' REINFORCING MEMBER WITH

END DRIVEN NAILS:

10d COMMON (0.148" X 3") MIN NAILS AT 4" O.C. PLUS

(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAIL NAILS:

10d COMMON (0.148" X 3") MIN TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITV GABLE DETAIL FOR ASCE WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015980109, A12015980109, A11015980109, A10015980109,

A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A11015020109, A10015020109,

A13030020109, A12030020109, A11030020109, A10030020109

ASCE 7-05 GABLE DETAIL DRAWINGS

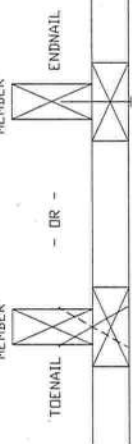
A13015050109, A12015050109, A11015050109, A10015050109,

A13030050109, A12030050109, A11030050109, A10030050109

SEE APPROPRIATE ITV GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH.

'T' REINFORCEMENT ATTACHMENT DETAIL
'T' REINFORCING MEMBER



TO CONVERT FROM 'L' TO 'T' REINFORCING MEMBERS, MULTIPLY 'T' INCREASE BY LENGTH (BASED ON APPROPRIATE ITV GABLE DETAIL).

MAXIMUM ALLOWABLE 'T' REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ 'T' BRACE

WIND SPEED AND MRH	'T' REINFORCING MEMBER SIZE	'T' INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	40 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT, $K_{zt} = 1.00$

GABLE VERTICAL = 24' O.C. SP #3

'T' REINFORCING MEMBER SIZE = 2x4

'T' BRACE INCREASE (FROM ABOVE) = 10% = 1.10

(1) 2x4 'L' BRACE LENGTH = 6' 7"

MAXIMUM 'T' REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



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 VICO for safety practices prior to performing these functions. Installers should ensure that all 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. Building Component Safety Information (BCSI) is a critical part of any deviation from this design and 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 (W/H/S/K) ASTM A36 steel, grade 37/40/60 (K/M/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITV-BCG: www.itvbcg.com, TPI: www.tpinet.com, VICO: www.vicobuilding.com, ICC: www.iccsafe.org



Earth City, MO 63045

REF LET-IN VERT

DATE 1/1/09

DRWG GBLLETIN0109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"

Laurie Hodson

From: Bryan Zecher
[bzecher@comcast.net]
Sent: Thursday, April 12, 2012 10:56 AM
To: Janice Williams;
Laurie Hodson
Subject: Coleman
Attachments: S-3.pdf

Please give a copy of the attached to
Troy for permit #29935

Thank you, Bryan

29930



CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254

Lake City • (386) 755-3633

Fax • (386) 752-5456

Jacksonville • (904) 381-8901

Fax • (904) 381-8902

JOB NO.: 12-058

DATE TESTED: 2/27/12

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ☒ (D-2922) Nuclear ☐ (D-2937) Drive Cylinder ☐ Other

PROJECT: COLEMAN RESIDENCE

CLIENT: BRYAN ZECKON CONST.

GENERAL CONTRACTOR: _____ EARTHWORK CONTRACTOR: _____

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: BILL S.

MODIFIED (ASTM D-1557): ☒ STANDARD (ASTM D-698): _____

TEST NO.	TEST LOCATION	TEST: DEPTH, ELEV., LIFT	PROCTOR NO.	WET DENS. LBS./CU.FT.	DRY DENS. LBS./CU.FT.	MOIST PERCENT	% MAX. DENS.
1	10' N.W. OF S.W. CORNER OF PAD	12"	1	113.1	105.6	7.1	95
2	LNTR OF PAD			116.0	107.1	8.4	97
3	15' S.E. OF N.W. CORNER OF PAD			115.8	107.3	7.9	97

REMARKS: ALL TEST PASSING

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1		111	12

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other
The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test location and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Bay Dr.

City Lake City

Phone 752-1703

Site Location: Subdivision Emerald Cove

Bryan Zecker

Lot # _____

Block# _____

Permit # 29935

Address 158 Sw Woodleaf Ct.

Product used

Active Ingredient

% Concentration

☒ Premise

Imidacloprid

0.1%

☐ Termidor

Fipronil

0.12%

☐ _____

Type treatment:

☒ Soil

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling

2320

251

193.915

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

3-5-12

Date

8:55

Time

F299

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink