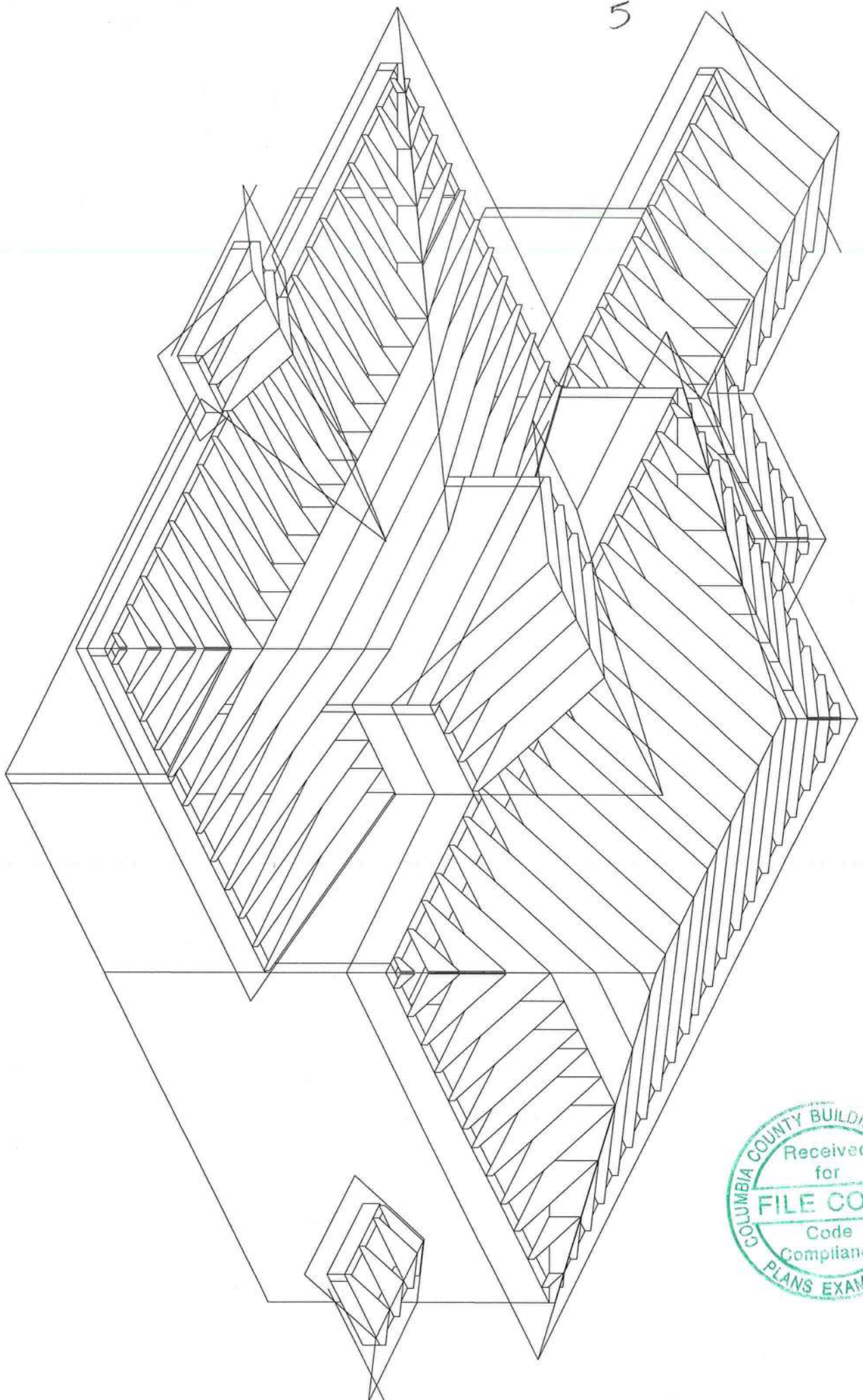
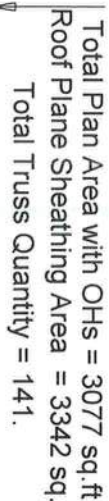


5



ANDERSON TRUSS COMPANY
"TOTALITY OF PRE-ENGINEERED WOOD TRUSSES"



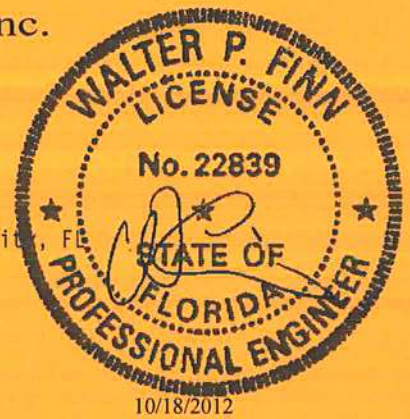
JOB NO:
12-297

PAGE NO.:

1 OF 1

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:1UQF9114Z0118151624



Truss Fabricator: Anderson Truss Company
Job Identification: 12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL
Truss Count: 48
Model Code: Florida Building Code 2010
Truss Criteria: FBC2010Res/TPI-2007(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 - 37.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 120 MPH ASCE 7-10 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: 12015EC1-GBLLETIN-GABRST10-12030EC1-BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	86675--D1	13' Common	12292001	10/18/12
2	86676--D	13' Common	12292002	10/18/12
3	86677--DGE	13' Gable	12292045	10/18/12
4	86678--E	8' Common	12292003	10/18/12
5	86679--EGE	8' Gable	12292036	10/18/12
6	86680--G	5' Common	12292004	10/18/12
7	86681--GEG	5' Gable	12292037	10/18/12
8	86682-EJ71	7' End Jack	12292006	10/18/12
9	86683--CJ1B	1' Jack	12292007	10/18/12
10	86684--CJ3B	3' Jack	12292008	10/18/12
11	86685--CJ5B	5' Jack	12292009	10/18/12
12	86686--A1	23'4" Common	12292011	10/18/12
13	86687-H11A	23'4" Stepd	12292012	10/18/12
14	86688-H9A	23'4" Stepd	12292013	10/18/12
15	86689-EJ74	7' End Jack	12292014	10/18/12
16	86690--C	16'1" Common	12292015	10/18/12
17	86691--CGE	16'1" Gable	12292038	10/18/12
18	86692--M3	6'4"8 Mono	12292016	10/18/12
19	86693--CJ5	5' Jack	12292017	10/18/12
20	86694--CJ1	1' Jack	12292018	10/18/12
21	86695--CJ3	3' Jack	12292019	10/18/12
22	86696--A	23'4" Common	12292020	10/18/12
23	86697--CJ5A	5' Jack	12292021	10/18/12
24	86698--CJ3A	3' Jack	12292022	10/18/12
25	86699--CJ1A	1' Jack	12292023	10/18/12
26	86700--EJ7	7' End Jack	12292024	10/18/12
27	86701--M1	12'7" Mono	12292025	10/18/12
28	86702--M2	12'8" Mono	12292026	10/18/12
29	86703-C1	14'9" Stepdow	12292027	10/18/12
30	86704-H15B	41'4" Stepd	12292028	10/18/12
31	86705-H13B	41'4" Stepd	12292029	10/18/12
32	86706-H11B	41'4" Stepd	12292030	10/18/12
33	86708--CJ39	3' Jack	12292031	10/18/12
34	86709--CJ59	5' Jack	12292032	10/18/12
35	86710--CJ79	7' Jack	12292033	10/18/12
36	86711-EJ9A	9' End Jack	12292034	10/18/12

#	Ref	Description	Drawing#	Date
37	86712--EJ9	9' End Jack	12292035	10/18/12
38	86713-HJ7B	9'10"13 Hip	12292039	10/18/12
39	86714-EJ73	7' End Jack	12292010	10/18/12
40	86715-CG	16'1" Common	12292046	10/18/12
41	86716-HJ7	9'10"13 Hip	12292040	10/18/12
42	86717-HJ7A	9'10"13 Hip	12292047	10/18/12
43	86718-H7A2	23'4" Stepd	12292041	10/18/12
44	86719-H7A	23'4" Stepd	12292042	10/18/12
45	86720-EJ72	6'10"8 End	12292005	10/18/12
46	86721-H7A1	23'4" Stepd	12292048	10/18/12
47	86722-HJ9	12'8"12 Hip	12292043	10/18/12
48	86723-H9B	41'4" Stepd	12292044	10/18/12



(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - D1 13' Common)

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

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

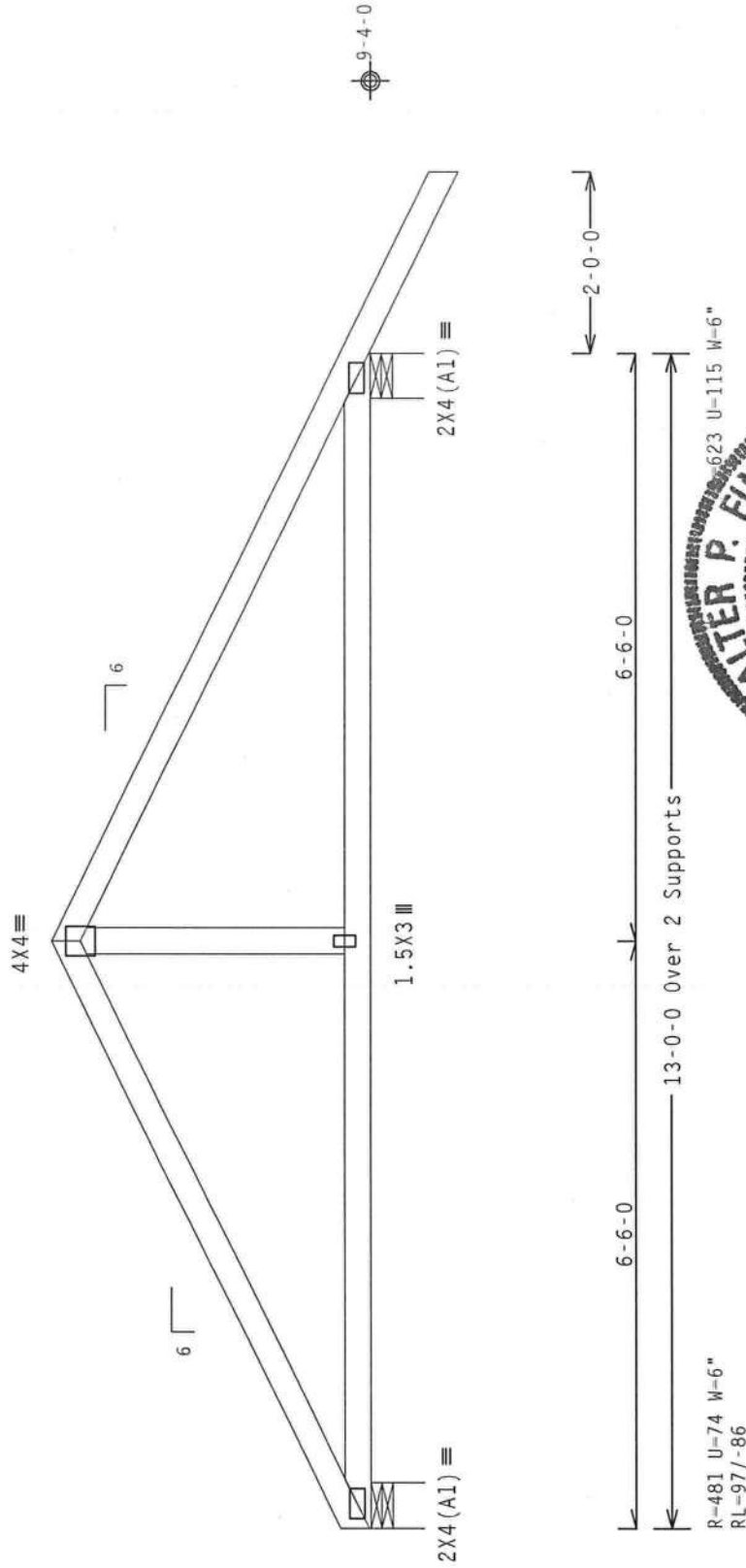
Bottom chord checked for 10.00 psf non-concurrent live load.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

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



Design Crit: FBC2010Res/TPI-2007 (STE)

PLT TYP. Wave	Design Crit: FBC2010Res/TPI-2007 (STE)	10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	Scale = .5" / Ft.
	FT/RT=20%(0%)/10(0)	10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	REF R9114- 86675
		10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	DATE 10/18/12
		10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	DRW HCUSR9114 12292001
		10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	HC-ENG JB/WPF
		10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	SEQN- 24948
		10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	DUR.FAC. 1.25
		10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	SPACING 24.0"
		10.03.11.0209.20	QT 2	FL/-/5/-/1-/R/-	JREF- 1UQF9114Z01

ALPINE

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

WALTER P. FINN
LICENSE
No. 22853

STATE OF FLORIDA
PROFESSIONAL ENGINEER

10/18/2012

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - DGE 13' Gable)

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

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 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.

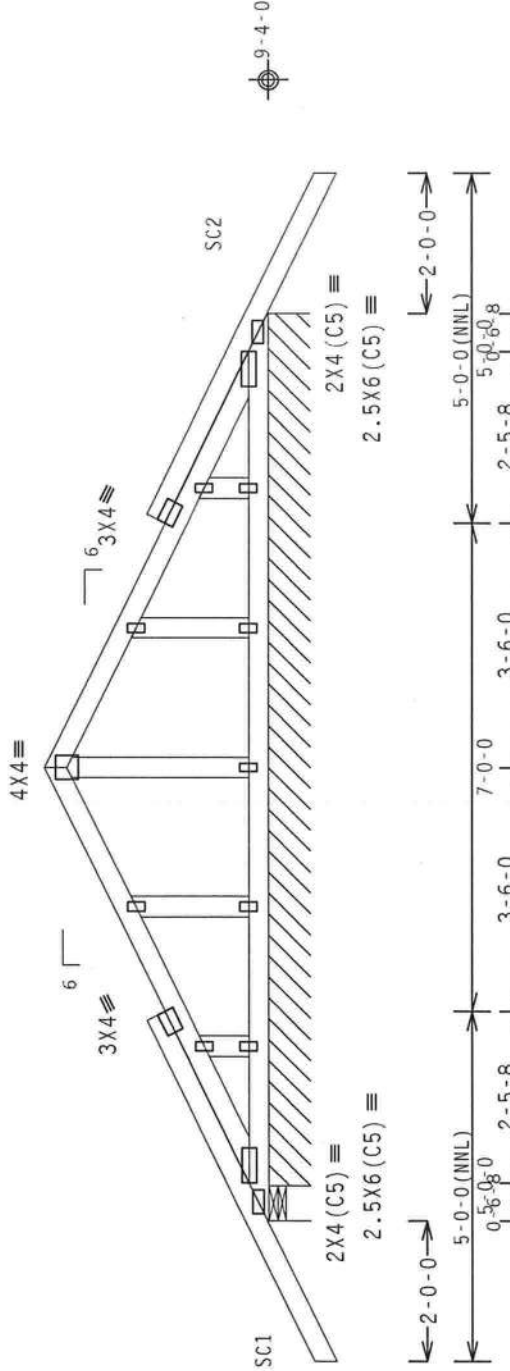
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

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

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

Gable end supports 8" max rake overhang.

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



R-292 U-71 W-6"
RL-113/-112
R-75 PLF U-12 PLF W-12-6-0

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007 (STD)

FT/RT=20%(0%)/10(0)

10-03-11 0208-21

10-03-11 0208-21

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10-03-11 0208-21

10-03-11 0208-21

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing.

Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) 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 hold-downs.

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.

TPI Building Components Group Inc. (TIBC) shall not be responsible for any deviation from the

any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing

bracing of trusses. Apply plates to each face of truss and position as shown above and on the job

drawings, unless noted otherwise. The installer shall be responsible for the proper installation

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

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drawings, unless noted otherwise. The installer shall be responsible for the proper installation

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10/18/2012

10/18/2012

10/18/2012

PLT TYP. Wave

Scale = .375"/Ft.

REF R9114- 86677

DATE 10/18/12

DRW HCUSR9114 12292045

HC-ENG JB/WPF

SEQN- 292949

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UQF9114Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278



(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - E 8' Common)

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

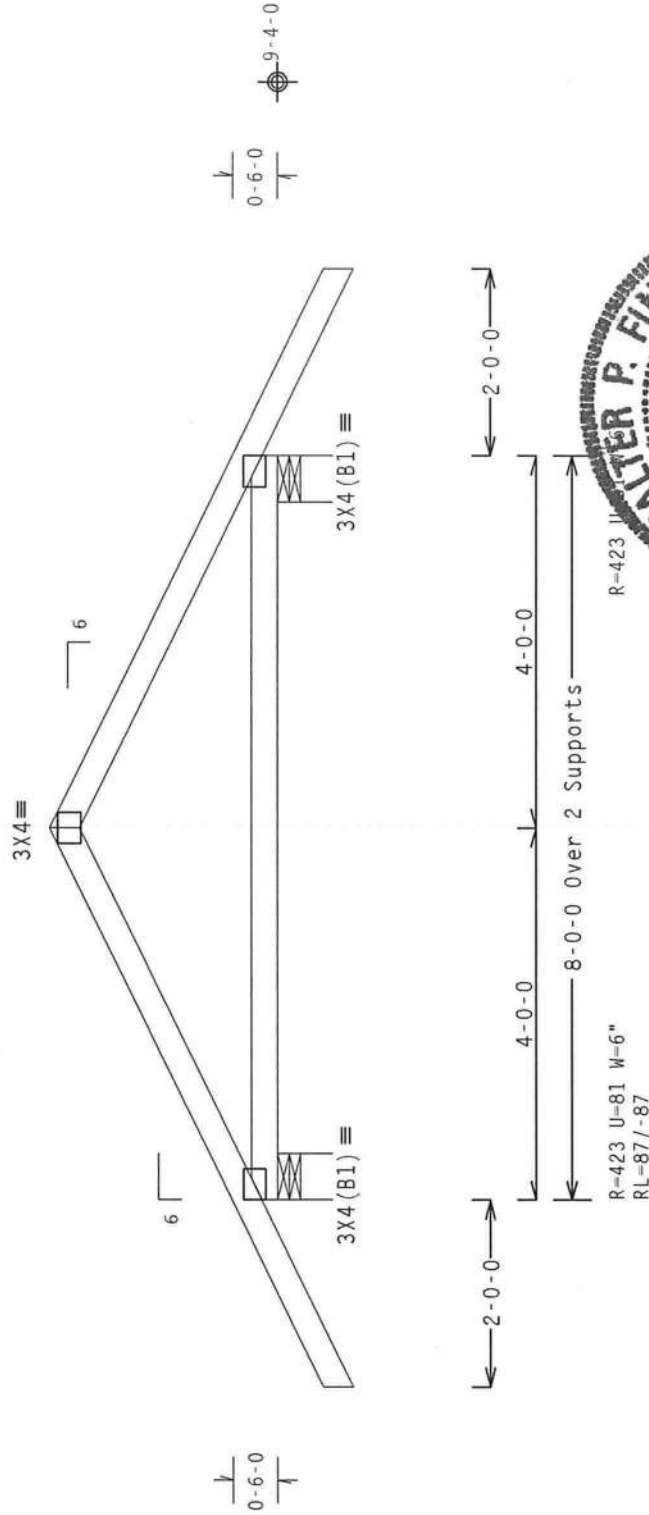
Lumber grades designated with "12A" use design values approved
1/5/2012 by ALSC.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof. RISK CAT II. Exp C. wind TC DL-3.5 psf, wind BC
DL-5.0 psf. GCpl(+/-)-0.18

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

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



Design Crit: FBC2010Res/TPI-2007(STD

FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .5"/Ft.

FL/-/5/-/-/R/-

QTY 4

10'-03" 11'-02" 8'-0"

REF R9114- 86678

DATE 10/18/12

DRW HCUSR9114 12292003

HC-ENG JB/WPF

SEQN- 24951

JREF- 1UQF9114Z01

SPACING 24.0"

DUR. FAC. 1.25

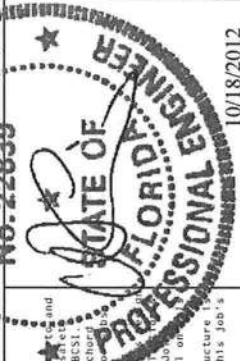
TOT. LD. 37.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 7.0 PSF

TC LL 20.0 PSF



ALPINE
Haines City, FL 33844
FL COA #0278

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

ICC: www.iccsafe.org

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - EGE 8' Gable)

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

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 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.

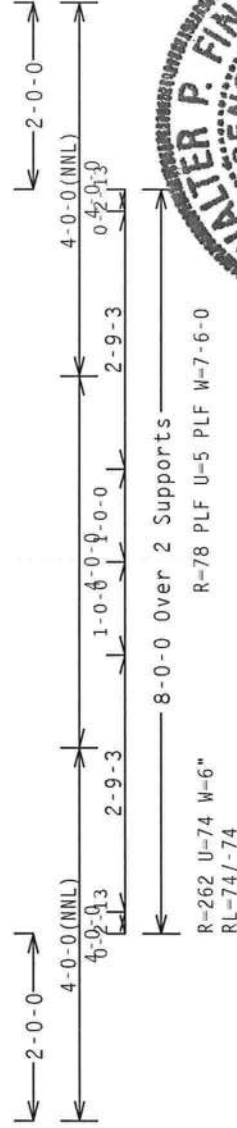
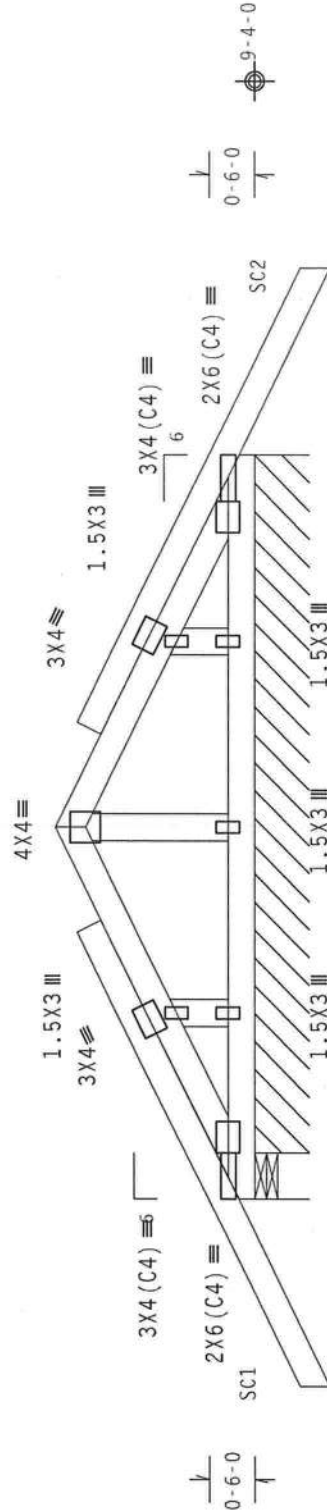
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

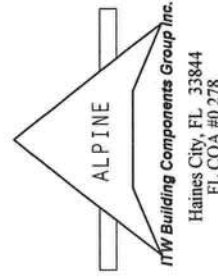
Gable end supports 8" max rake overhang.

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



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Rely on the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI, unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
TPI Building Components Group Inc. (TIBCO) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicate acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCSI: www.itw-bcsi.com; TPI: www.tpi-inc.org; WCA: www.bcsiindustrial.com; ICC: www.iccsafe.org



Scale = 5"/Ft.

FL / - / 5 / - / - / R / -	TC LL	20.0 PSF	REF	R9114- 86679
	TC DL	7.0 PSF	DATE	10/18/12
	BC DL	10.0 PSF	DRW	HCUSR9114 12292036
	BC LL	0.0 PSF	HC-ENG	JB/WPF
	TOT.LD.	37.0 PSF	SEQN-	292958
	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	1UQF9114Z01

(12-297--Fill) in later Schnable Renovation/Add. -- Lake City, FL - G 5' Common)

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

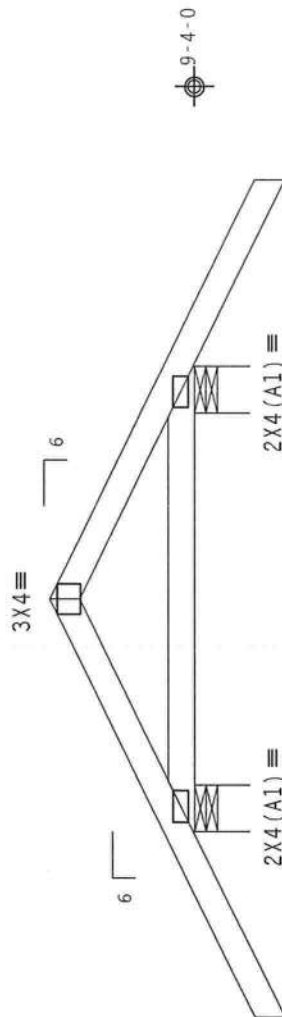
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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

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

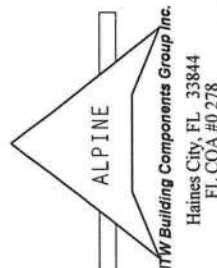
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R-309 U-62 W-6"
RL-70/-70

Design Crit: FBC2010Res/TPI-2007(STP

PLT TYP. Wave



Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R9114- 86680
TC DL	7.0 PSF	DATE	10/18/12
BC DL	10.0 PSF	DRW	HCUSR9114 12292004
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	24953
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UQF9114Z01

10/03/11-02/08/20
10/18/2012

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

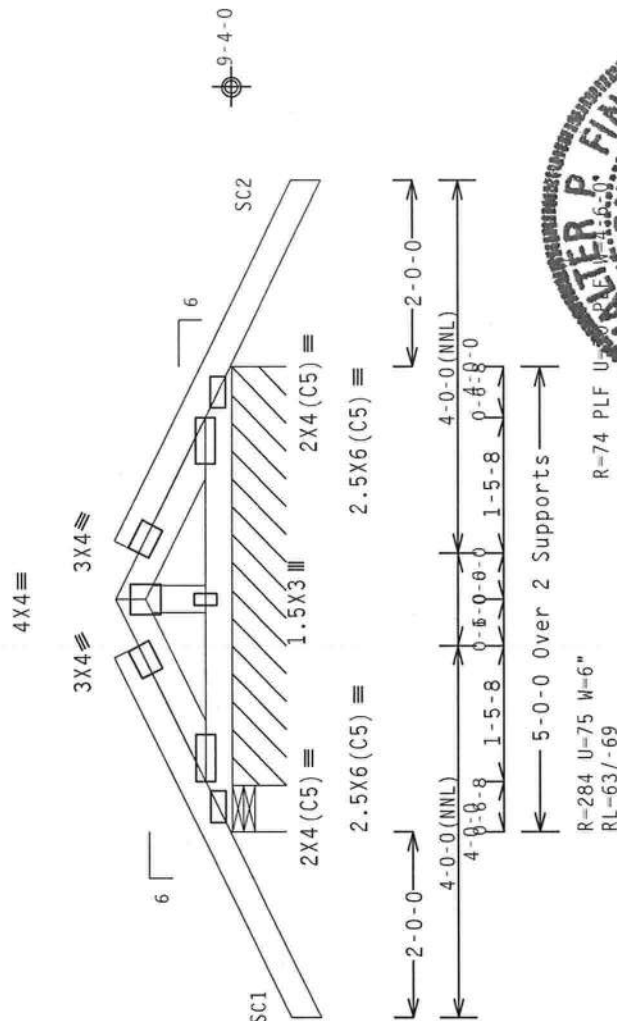
wind loads and reactions based on MWFRS with additional C&C member design.

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NML). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (Sc) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c.

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 notchable area using 3x6.



R-284 U-75 W-6"
RL-63/-69

R-74 P I F I

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

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

Scale = .5"/Ft.

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

2027-01

OFF R9114- 866681

IMPORTANT! 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 BCSP (Building Component Safety) information, by IP1 and NIRA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Trusses must adhere to design and engineering specifications and all other applicable codes. Trusses must be installed in accordance with the design and engineering specifications shown for permanent lateral bracing. Trusses shall be installed per BCSP sections B3, B7, B8, B10, & applicable.

.....

DATE	10/10/10
NAME	10114 00001

[illegible]

015077

HC-ENG JB/WPF

any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or erecting of trusses. Apply plates to each face of truss and position as shown above and on the following drawings. The manufacturer shall provide all materials, labor and equipment required to install the details, unless noted otherwise. Refer to drawings IBDG-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 pages; ITW-BDG; www.itwbdg.com; TPI: www.tpinst.org; NICA: www.abcdindustry.com; ENR: www.enr.com; www.1ccsafe.org

11

292962 SEON-

details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/ASPE 1 Sec.2. For more information see: This Job's CC: www.1ccsafe.org; ITW-BDO: www.itwbg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; General notes: www.1ccsafe.org

INTERNATIONAL EN

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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.tpinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

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s Job's

general notes page: ITU-BCG: www.itubcg.com; IPI: www.ipinst.org; WICA: www.sbctindustry.com;
CC: www.iccsafe.org

10/18/2012

UREF- 1UQF9114Z01

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - EJ71 7' End Jack)

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

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

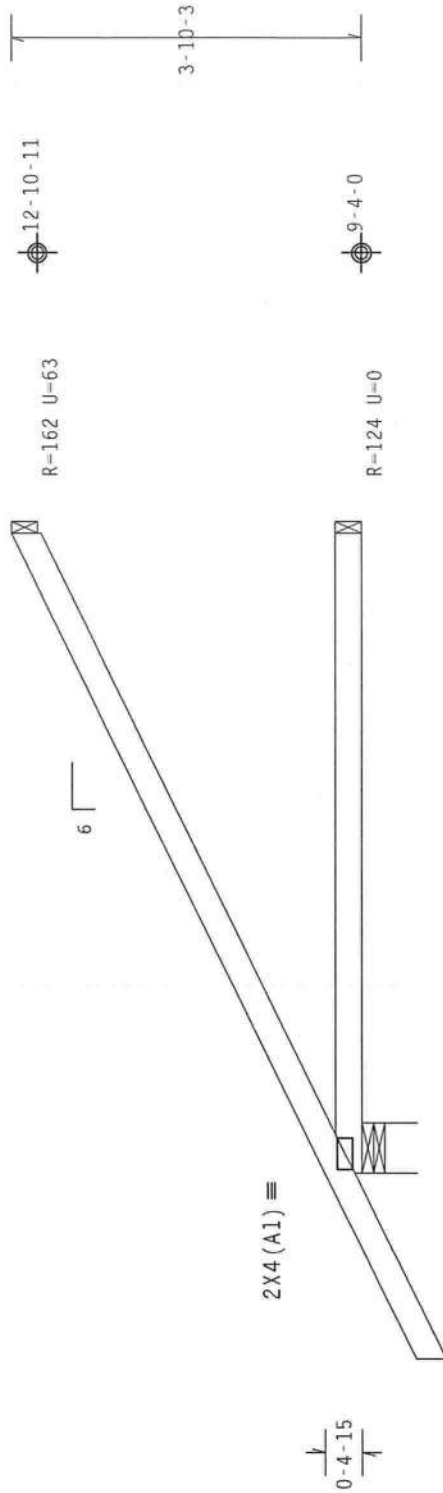
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

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

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



2-0-0

6-10-8 Over 3 Supports

R-405 U-59 W= 6.5"
RL-108/-46

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=20%(0%)/10(0)

Scale = .5"/Ft.

FL/-/5/-/-/R/-

10/03.No.22839

10/18/2012

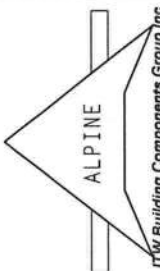
10/18/2012

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10/18/2012

 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.		TC LL	20.0 PSF	REF	R9114- 86682			
	IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and KICA) 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		TC DL	7.0 PSF	DATE	10/18/12			
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or construction of the truss system. The user of this design is responsible for the proper installation and use of the truss system. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; KICA: www.kicaindstry.com; ICC: www.iccsafe.org		BC DL	10.0 PSF	DRW	HCUSR9114 12292006			
			BC LL	0.0 PSF	HC-ENG	JB/WPF			
			TOT.LD.	37.0 PSF	SEQN-	24957			
						DUR.FAC.	1.25		
						SPACING	24.0"	JREF - 1UQF9114Z01	

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ1B 1' Jack)

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

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

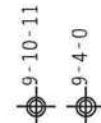
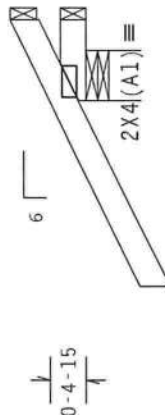
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

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

R=-123 Rw=60 U=103



2'-0-0
0'-10-8 over 3 supports

R-339 U=115 W= 6.5"
RL=35/-30
H=H1

Design Crit: FBC2010Res/TPI-2007(STB)

PLT TYP. Wave

FT/RT=20%(0%)/10(0)

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R9114- 86683
TC DL	7.0 PSF	DATE	10/18/12
BC DL	10.0 PSF	DRW	HCUSR9114 12292007
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN	24958
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UQF9114Z01

WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/18/2012

ALPINE
Haines City, FL 33844
FL COA #0 278

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

WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal of approval is hereby given 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.tpinst.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org

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

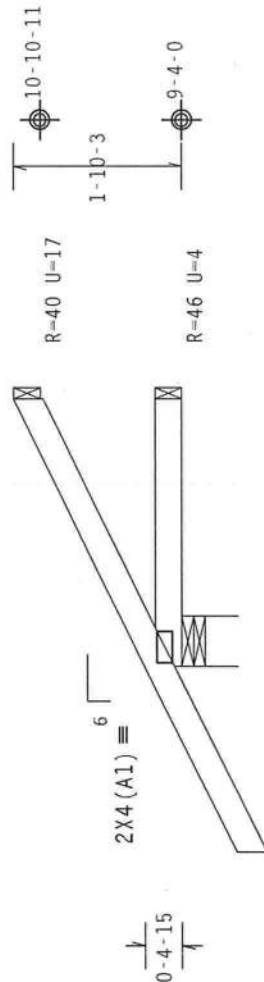
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, Exp C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpt1(+/-)=0.18

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

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



2-0-0
2-10-8 Over 3 Supports

R-283 U-57W-6.5"
RL-59/-35
H-H1

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

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

10.03. №02098209

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

****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 Components Safety Information, by IPI and NCA) for safety precautions prior to performing these functions. Installers shall provide temporary bracing per the business noted address. Shop chord shall have properly attached structural sheathing and bottom chord shall have been installed per BCSP sections 8.0, 9.0 and 10.0. All dimensions shall be as applicable.

The Building Components Group, Inc. (BICOG) shall be responsible for any deviation from the design shown on drawings. BICOG will be responsible for all materials used in erecting or repairing of trusses. Apply plates to each face of truss and position as shown above and on the jointed details, unless noted otherwise. Refer to drawing 160A-7 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. See Sec. 2. more information on seal: This job's responsibility is the responsibility of the Building Designer. ANSI/AISC 360-10 and AISC 360-10 sec. 11N-B6G: www.aisc.org; TPJ: www.tpjincorp.com; NACA: www.nacaindustrial.com; WWA: www.wwausa.org

TC LL	20.0 PSF	RFF	R9114-	86684
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TC DI	7 0 PSE	DATE	10/18/12
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BC DL	10.0 PSF	DRW	HCUSR9114	12292008
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BC LL	0.0 PSF	HC-ENG JB/WPF
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TOT.LD.	37.0 PSF	SEQN-	24959
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DUR.FAC. 1.25

SPACING 24.0"

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

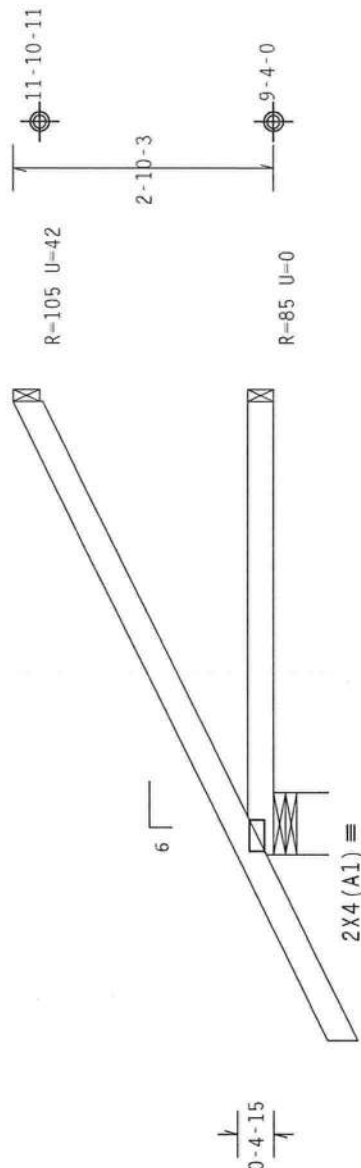
FL COA #0 278

JREF- 1UQF9114Z01

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpt (+/-)=-0.18

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

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



2-0-0

← 4-10-8 Over 3 Supports →

R-338 U-56 W-8"

KL-83/-40
H=H1Design Crit: FBC2010Res/TPI-2007(Std)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

FL/-/5/-/-/R/-/-

Scale = .5"/Ft.

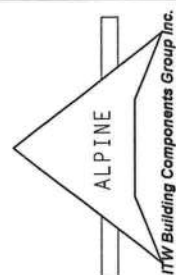
****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
GUMMIS THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
IMMEDIATELY****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Safety Information, by IPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Notes on drawings shall be followed. Trusses shall be installed in accordance with the drawings. Trusses shall have bracing installed per BCSI sections B3, B7 and B8, as applicable.

ITW Building Components Group Inc. (ITWBEO) shall not be responsible for any deviation from the design shown on drawings or specifications. ITWBEO shall not be responsible for the selection, packaging of trusses, Apply plates to each face of truss and position as shown above and on the Job drawing. Refer to drawings 160A-7 for standard plate positions. A seal on the bottom flange details, unless otherwise noted. Refer to drawings 160A-7 for standard plate positions. A seal on the bottom flange 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/APRI Sec.2. or more information see: This job's building designer. ITWBEO: www.itwbuilding.com; IPE: www.ipeinc.com; WJG: www.wjgusa.com; EBE: www.ebeusa.org



TC LL	20.0 PSF	REF R9114 - 86685
TC DL	7.0 PSF	DATE 10/18/12
BC DL	10.0 PSF	DRW HCUSR9114 12292009
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 24960
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UOF9114Z01



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

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

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

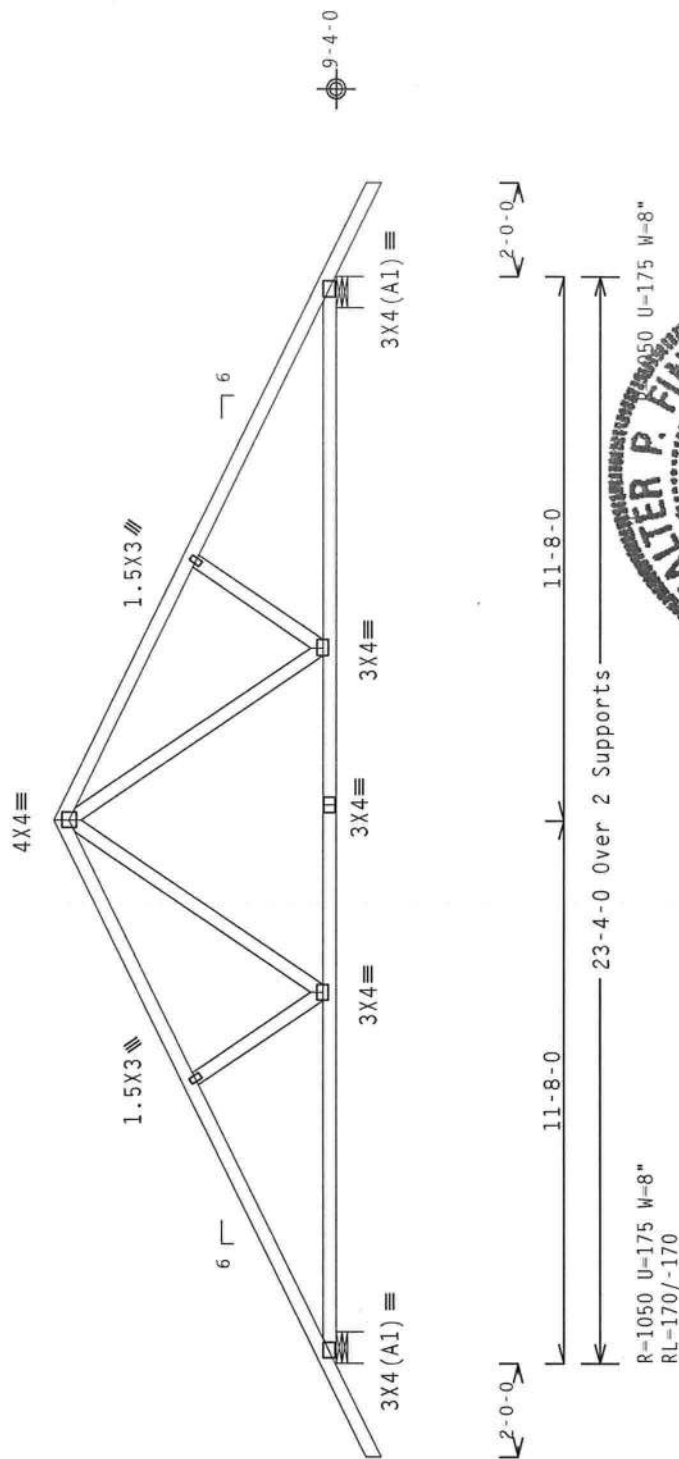
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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

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

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



R=1050 U=175 W=8"
RL=170/-170

Design Crit: FBC2010Res/TPI-2007(STD
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

FL/-15/-1-1-R/-
Scale = .25"/ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

10/18/2012

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

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

Trusses require extreme care in fabricating, shipping, installing and bracing. For these reasons, the contractor and installer shall provide temporary bracing prior to performing these functions. Installers shall provide temporary bracing as 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 BCSS sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of this drawing. ITWBCG shall not be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 160A-1 for standard plate positions. A seal over drawing or cover plate listing this drawing, indicates acceptance of professional engineering responsibility solely for this design. No other use of this design for any structure is permitted without the written consent of ITWBCG. For more information on this subject, see the general notes page: ITW-BCG; www.itwbcg.com; ANSI/TPI 1, Sec. 2.5. For more information on this subject, see the general notes page: ITW-BCG; www.itwbcg.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org

DATE 10/18/12

DRW HCUSR9114 12292011

HC-ENG JB/WPF

SEQN- 24962

JREF - 1UQF9114Z01

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - H9A 23'4" Stepdown Hip)

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

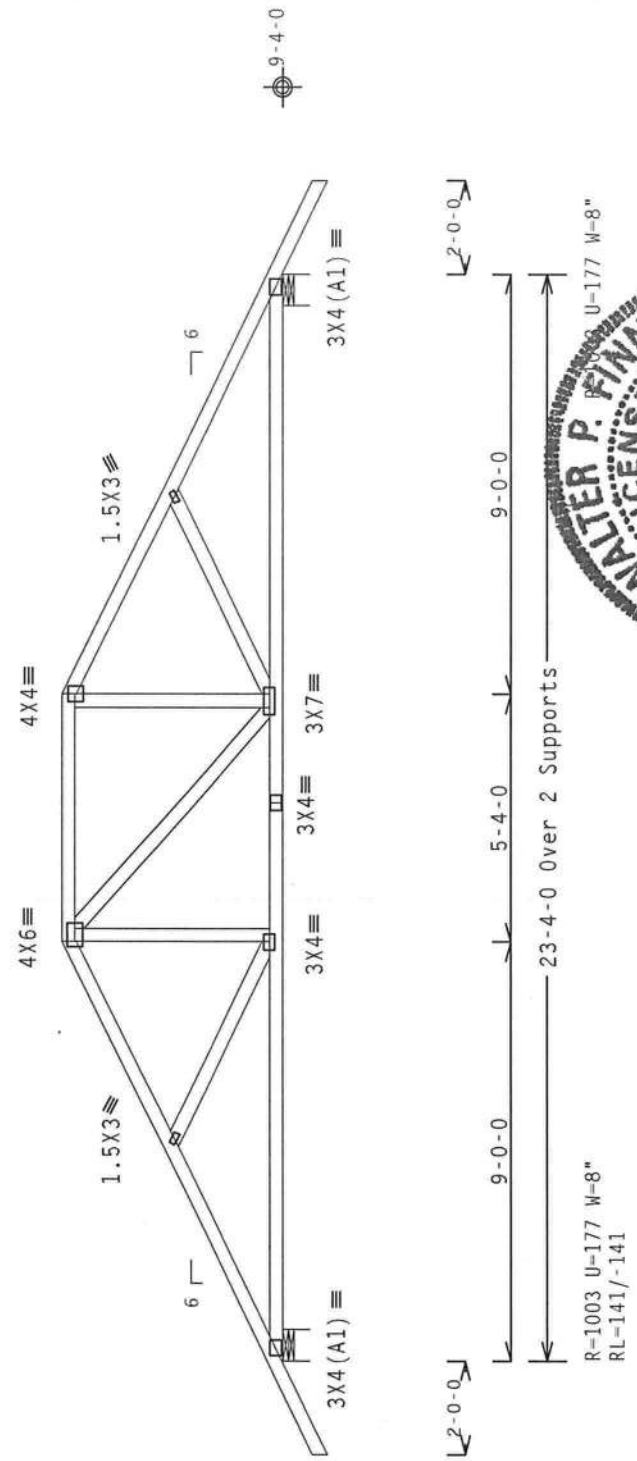
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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

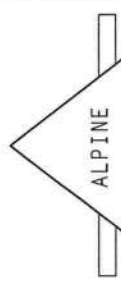
Wind loads and reactions based on MWFRS with additional C&C member design.

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



Design Crit: FBC2010Res/TPI-2007 (STD FT/RT=20%(0%)/10(0)

PLT TYP. Wave	1003. No. 22839	QTY: 1	FL/-/5/-/-/R/-	Scale = .25"/Ft.
	TC LL	20.0 PSF	REF	R9114- 86688
	TC DL	7.0 PSF	DATE	10/18/12
	BC DL	10.0 PSF	DRW	HCUS9114 12292013
	BC LL	0.0 PSF	HC-ENG	JB/WPF
	TOT.LD.	37.0 PSF	SEQN	24966
	DUR.FAC.	1.25		
	SPACING	24.0"	JREF	1U0F9114Z01


ALPINE
Haines City, FL 33844
FL COA #0 278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Installers must follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCSI: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - EJ74 7' End Jack)

Top chord 2x4 SP-#1_12A
Bot chord 2x4 SP-#1_12A

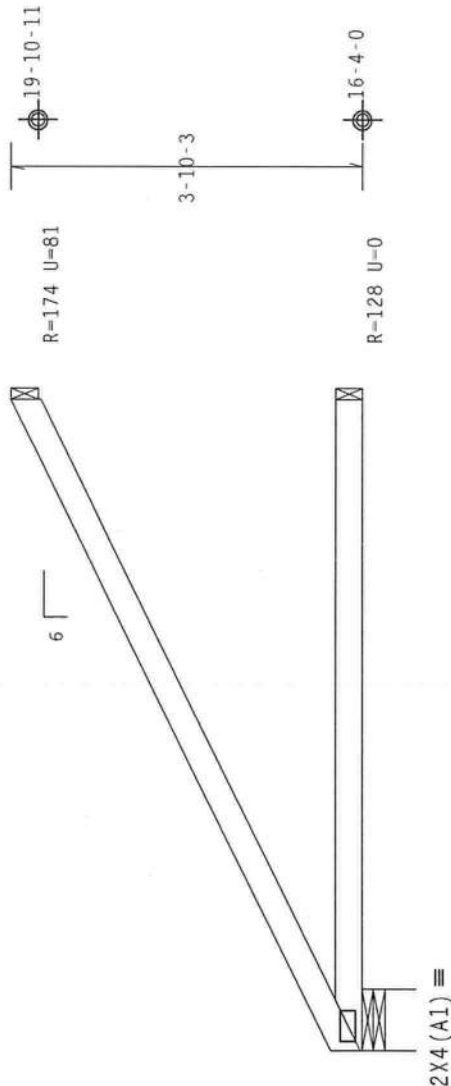
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 18.43 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL-3.5 psf, wind BC DL-5.0 psf, 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. Creep increase factor for dead load is 1.50.



7-0-0 Over 3 Supports
R-270 U=30 W=8"
RL=97

Design Crit: FBC2010Res/TPI-2007 (STD)

PLT TYP. Wave

ALPINE
Haines City, FL 33844
FL COA #0 278

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and both chords 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 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 Job. ITWBCG shall not be responsible for any deviation from the design shown. A seal above the design or code listing this design, indicates acceptance of professional responsibility by 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; WICA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/18/2012

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R9114- 86689
TC DL	7.0 PSF	DATE	10/18/12
BC DL	10.0 PSF	DRW	HCUSR9114 12292014
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN	24967
DUR.FAC.	1.25	JREF	1UQF9114Z01
SPACING	24.0"		

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - C 16'1" Common)

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

120 mph wind, 18.19 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

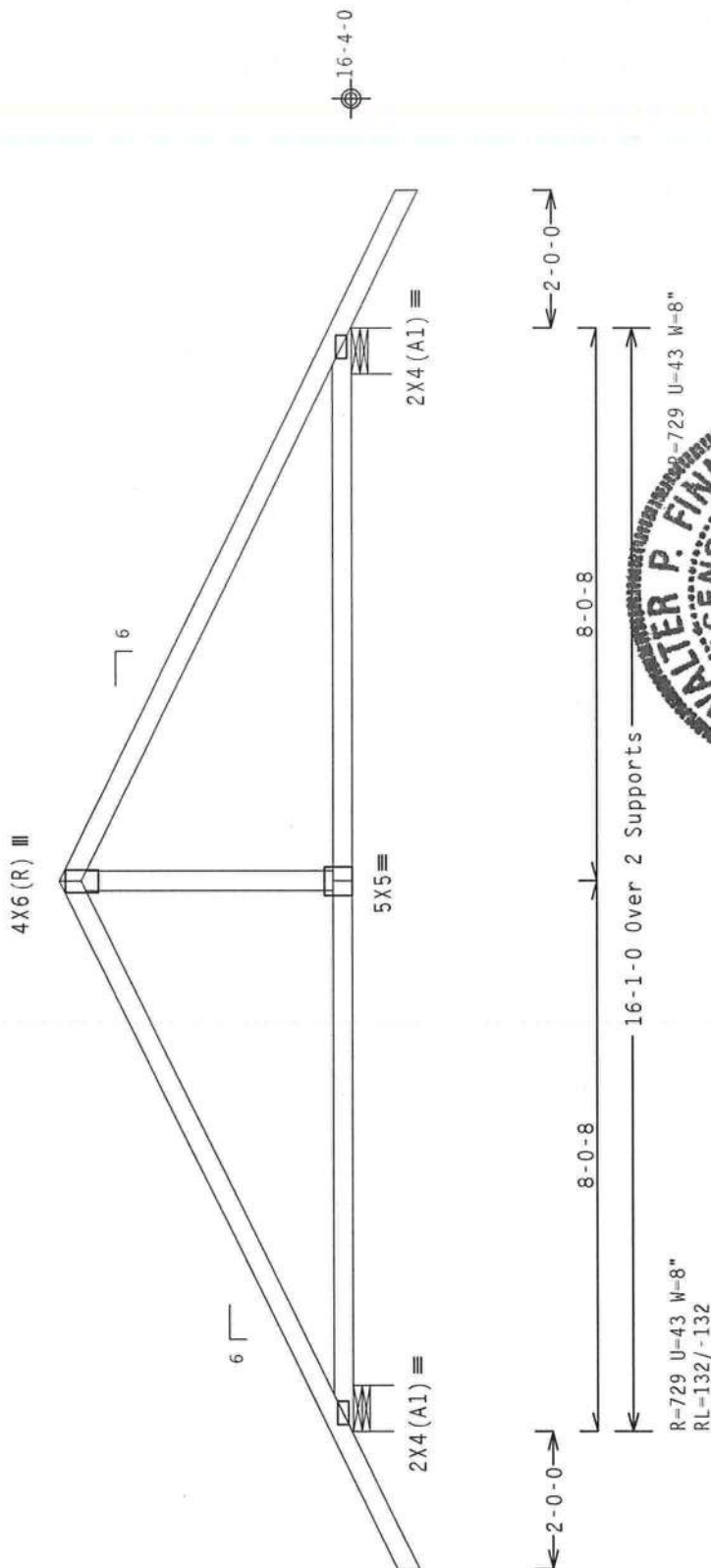
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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

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

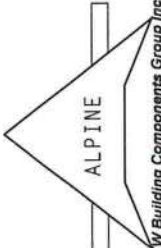
MWFRS loads based on trusses located at least 18.19 ft. from roof edge.



R=729 U=43 W=8"
RL=132/-132

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%)/10(0)



PLT TYP. Wave	Design Crit: FBC2010Res/TPI-2007 (STD) FT/RT=20%(0%)/10(0)	1003. No. 22839	TY:	FL/-/5/-/-/R/-	Scale = .375"/Ft.
 ALPINE Haines City, FL 33844 FL COA #0 278	***IMPORTANT*** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. All trusses must follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org				TC LL 20.0 PSF
					TC DL 7.0 PSF
					BC DL 10.0 PSF
					BC LL 0.0 PSF
					TOT.LD. 37.0 PSF
		10/18/2012		DUR.FAC. 1.25	SEQN- 24969
				SPACING 24.0"	JREF- 1UQF9114Z01

120 mph wind, 18.03 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, Exp C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpt (+/-)=0.18

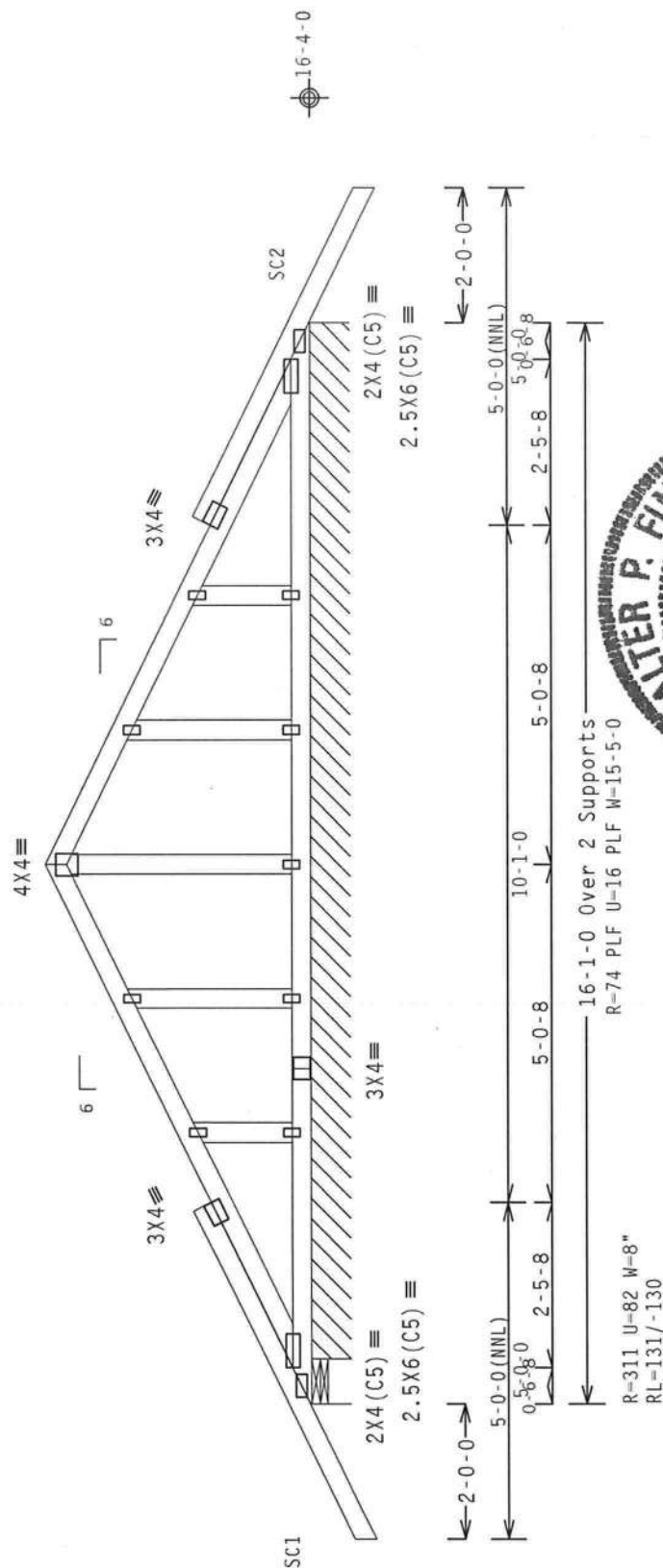
Wind loads and reactions based on MWFRS with additional C&C member design.

Gable end supports 8" max rake overhang.

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

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

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



Design Crit: FBC2010Res/TPI-2007(STP

Scale = .375"/Ft.

—

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Please refer to the latest edition of BCSP (Building Component Safety Information; by IPI and NICA) for detailed instructions and safety precautions prior to performing these functions. Installers shall provide temporary bracing as required to ensure proper erection and alignment. Trusses are designed to be installed using the noted staggered attachment sequence. Trusses must be attached to permanent lateral restraint before they will have bearing. Installed per BCSP sections B3, B7/B8 shown, as applicable.

[illegible]

RFF R9114- 86591

DATE	10/10/10
TIME	17:45

DATE 10/18/12

ORW HCUSR9114 1229203

HC-ENG JB/WPF

SEON- 202053

CC6767 -ND30

UREF- 1UQF9114Z01

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - M3 6'4"x8 Mono)

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

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

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.

These support conditions used at bearings indicated
(H1) = Simpson LUS24 w/ (1)2x4 SP #1_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge. RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCp1(+/-)=0.18

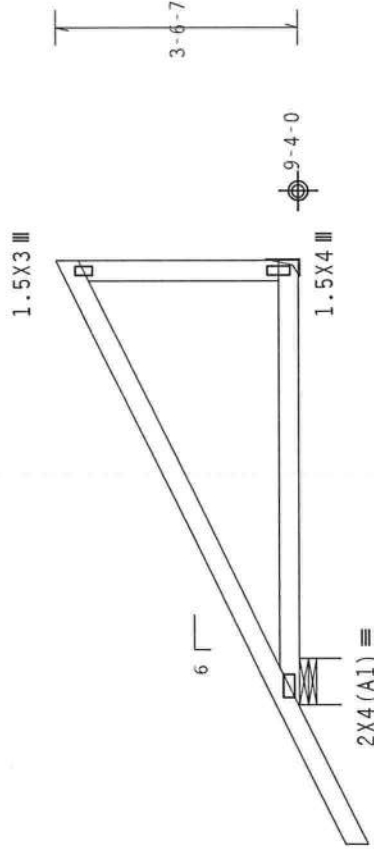
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

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

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



6'-2-0" ->
6'-4-8 Over 2 Supports ->
R-389 U=59 W=8"
RL=102/-44
R-213 U=51
H-H1

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave



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

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. Trusses shall be installed in accordance with the manufacturer's instructions and practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering structure is responsibility solely for the installation. The manufacturer's liability is limited to the product and general notes page. ITW-BGS: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .375"/Ft.
TC DL	7.0 PSF	REF	R9114- 86692
BC DL	10.0 PSF	DATE	10/18/12
BC LL	0.0 PSF	DRW	HCUSR9114 12292016
TOT.LD.	37.0 PSF	HC-ENG	JB/WPF
DUR.FAC.	1.25	SEQN	24972
SPACING	24.0"	JREF	1UQF9114Z01

10/18/2012

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ5 5' Jack)

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

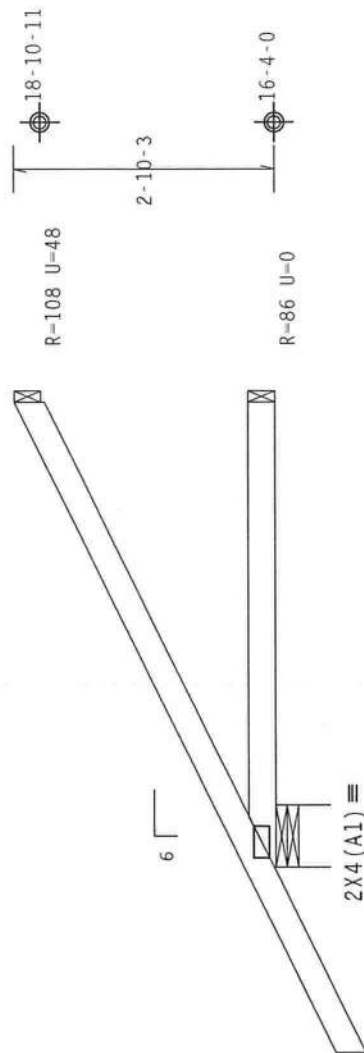
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 17.43 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpt (+/-)=-0.18

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

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



2-0-0

← 5-0-0 Over 3 Supports →

R=343 U=69 W=8"
RL=94/-40

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .5"/Ft.

10.03. No. 29829

FL/-/5/-/-/R/-/-

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

****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, installing and bracing. Installer shall follow the latest edition of BCSP (Building Component Safety Information, by IPI and NACA) for safety practices prior to performing these functions. Truss chord shall have proper thickness and section modulus as noted otherwise, top chord shall have proper thickness and section modulus as noted otherwise. All trusses must be installed per BCSP sections B3-B7E thru B8C as applicable.

LTM Building Components Group Inc. (LTMBCG) shall not be responsible for any deviation from the design shown on drawings or specifications. LTMBCG shall not be responsible for any liability resulting from the use of trusses. Apply plates to each face of truss and position as shown above and on the joints. Seal all holes with appropriate sealant. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this design 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/PPI 1 Sec.2. For more information see: This Job's specification section, page 8.

For more information contact:
LTM-Bldgcs: www.ltm-bldgs.com; lpl: www.lpl-inc.org; WIGA: www.sbcinformation.com;
Tel: 713-953-1550



Haines City, FL 33844
FL COA #0278

Haines City, FL 33844

For more information see: This job's
A: www.sbcindustry.com

10/18/2012

24 0"

REF- 1110E9114701

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ1 1' Jack)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A

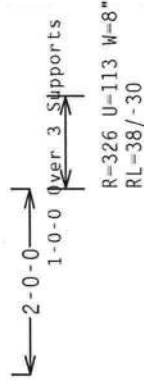
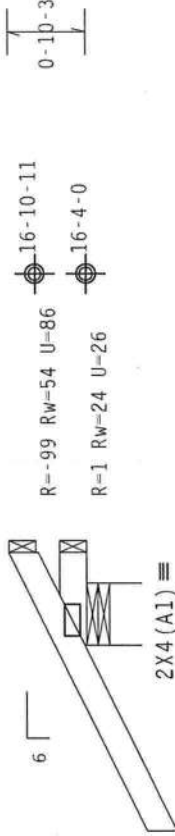
Lumber grades designated with "12A" use design values approved
1/5/2012 by ALSC.

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

120 mph wind, 16.43 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP C, wind TC DL-3.5 psf, wind BC
DL-5.0 psf. GCpl(+/-)=0.18

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

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



Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .5"/Ft.

FL/-5/-/-R/-

QTY

1003 No. 0208899

10/18/2012

REF R9114- 86694

DATE 10/18/12

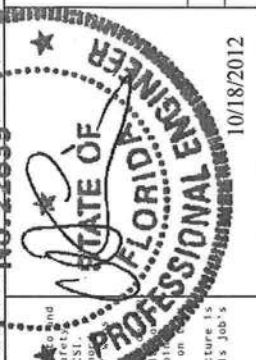
DRW HCUSR9114 12292018

HC-ENG JB/WPF

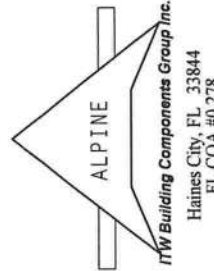
SEQN- 24974

JREF- 1UQF9114Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of the International Building Code (IBC) and the American Institute of Steel Construction (AISC) Manual for proper erection and bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job's Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on each drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The sealability and use of this design for any structure is the responsibility of the user. ITW-BGGS: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"



(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ3 3' Jack)

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

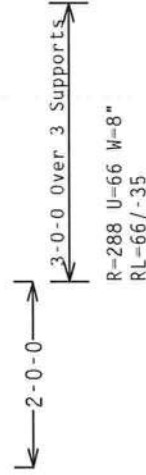
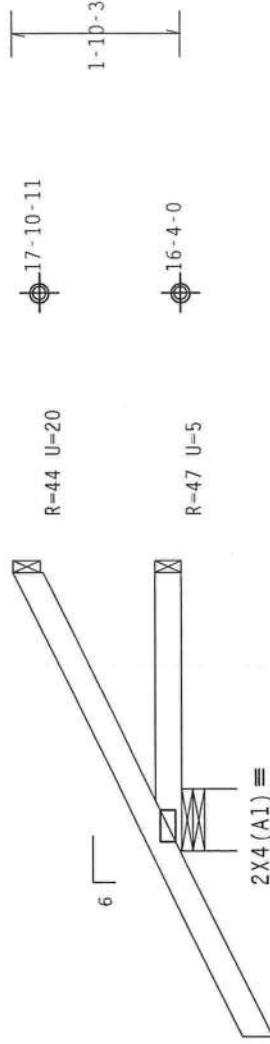
Lumber grades designated with "12A" use design values approved
1/5/2012 by ALSC.

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

120 mph wind, 16.93 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP C, wind TC DL-3.5 psf, wind BC
DL-5.0 psf. GCPI(+/-)-0.18

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

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



Design Crit: FBC2010Res/TPI-2007(STD
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .5" / Ft.

	10.03 11.0208.20		QTY 7	FL/-/5/-/-/R/-	REF R9114- 86695		
	10.03 11.0208.20		QTY 7	TC LL 20.0 PSF	DATE 10/18/12		
	10.03 11.0208.20		QTY 7	TC DL 7.0 PSF	DRW HCUSR9114 12292019		
	10.03 11.0208.20		QTY 7	BC DL 10.0 PSF	HC-ENG JB/WPF		
	10.03 11.0208.20		QTY 7	BC LL 0.0 PSF	TOT.LD. 37.0 PSF		
DUR.FAC. 1.25				SEQN- 24975	JREF- 1UQF9114Z01		
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 CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings for details. This design is based on 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; NECA: www.sbctndustry.com; ICC: www.iccsafe.org

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

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

(H1) - (J) Hanger not calculated (2)2x4 SP_#1_12A supporting member.

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

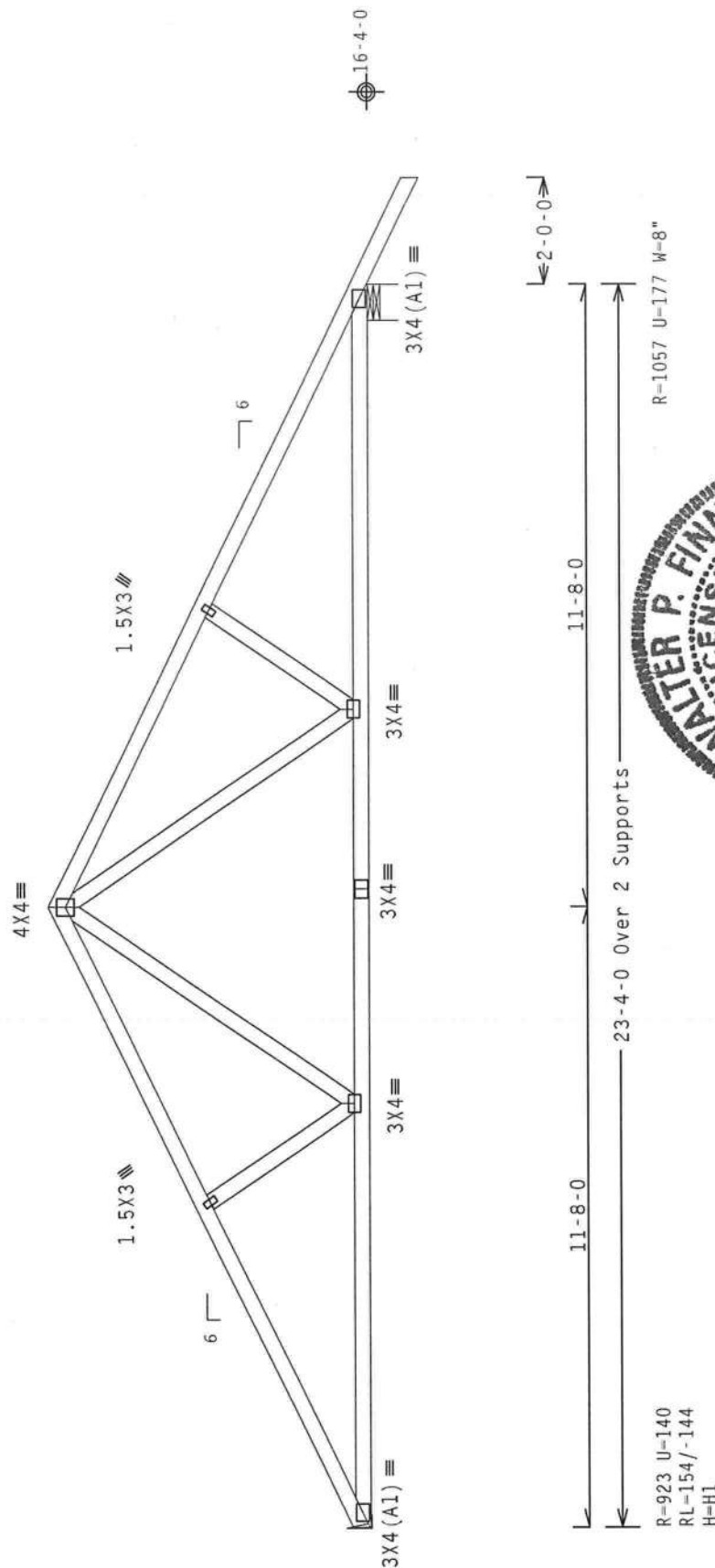
MWFRS loads based on trusses located at least 9.55 ft. from roof edge.

120 mph wind, 19.10 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpt (+/-)=0.18

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

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

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



R-923 U-140
RL-154/-144
H=H1

23-4-0 Over 2 Supports.

R=1057 U=177 W=8"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD
FT/RT=20%(0%)/10(0)

Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

Phone: 800.478.2788

10/18/2012

JREF - 1UQF9114Z01

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPACTORS 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 IPI and WICA for practices prior to performing these functions. Installers shall provide temporary bracing and shoring to support the trusses until the permanent lateral bracing is installed. The trusses 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 any drawing or build the truss in conformance with ANSI/PPI 1-1 for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings IBCA-2 for standard plate positions. A seal, 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/AISC 360-2. For more information, contact ITWBCG at 1-800-478-2788, www.1tbcg.com, www.itwinc.com, WICA, www.abclnindustry.com; IBCG, www.1tbcg.com.

10/18/12

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 37.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

BC DL 7.0 PSF

TC LL 20.0 PSF

REF R9114- 86696

DATE 10/18/12

DRW HCUSR9114 12292020

HC-ENG JB/WPF

SEQN- 24977

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ5A 5' Jack)

	Top	chord	2x4	SP_#1-12A
	Bot	chord	2x4	SP_#1-12A
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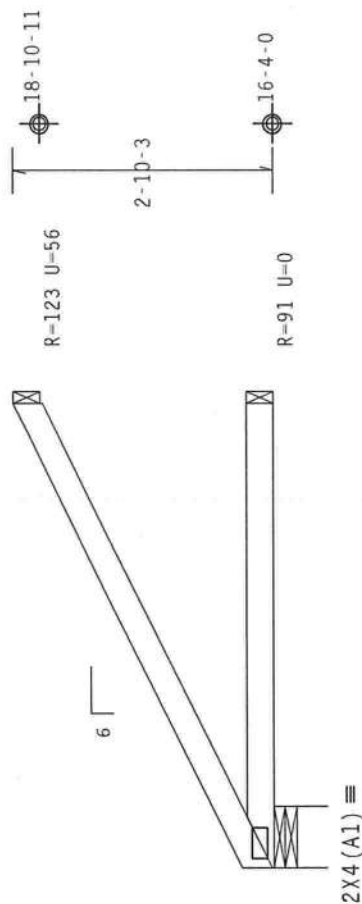
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 17.93 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

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



5-0-0 Over 3 Supports

Design Crit: FBC2010Res/TPI-2007(Std)
 $FT/RT=20\%(0\%)/10(0)$

PLT TYP. Wave

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety Information, by IP1 and WICA) recommendations and practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Trusses noted otherwise, i.e. top chord lateral bracing, shall be braced in accordance with the following notes. Trusses shall be installed per BCSP sections 83, 82 or 810, as applicable.

[illegible]

TC LL	20.0 PSF	REF R9114- 86697
TC DL	7.0 PSF	DATE 10/18/12
BC DL	10.0 PSF	DRW HCUR9114 12292021
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 24978
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UQF9114Z01

10/18/2012

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ3A 3' Jack)

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

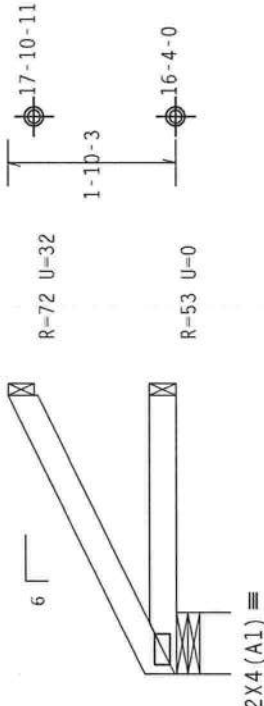
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 17.43 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCp1(+/-)=0.18

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

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



3-0-0 Over 3 Supports
R=119 U=10 W=8"
RL=40

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

ALPINE

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

WALTER P. FINN
LICENSE
No. 029839
10/03

STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/18/2012

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI Building Component Safety Information, by TPI and MICA practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.bctindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale =.5"/Ft.
TC DL	7.0 PSF	REF R9114- 86698	
BC DL	10.0 PSF	DATE 10/18/12	
BC LL	0.0 PSF	DRW HCUSR9114 12292022	
TOT.LD.	37.0 PSF	HC-ENG JB/WPF	
DUR.FAC.	1.25	SEQN- 24979	
SPACING	24.0"	JREF- 1UQF9114Z01	

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ1A 1' Jack)

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

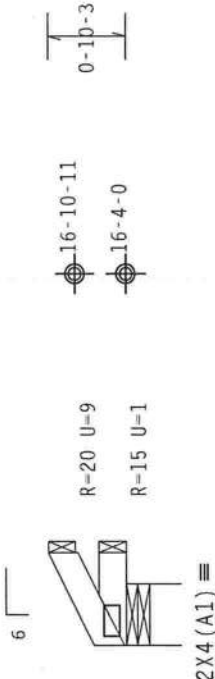
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 16.93 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpl (+/-)-0.18

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

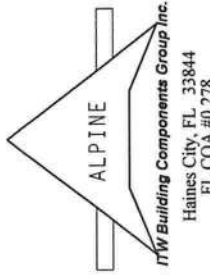
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1-0-0 Over 3 Supports
R-44 U=2 W=8"

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. The contractor must follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) 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 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 failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering structures is the responsibility solely for the design shown. The user of this design assumes full responsibility for the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NCCA: www.nccsafe.org; ICC: www.iccsafe.org

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

TC LL	20.0 PSF	REF	R9114- 86699
TC DL	7.0 PSF	DATE	10/18/12
BC DL	10.0 PSF	DRW	HCU8R9114 12292023
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	24980
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UQF9114Z01

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - EJ7 7' End Jack)

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

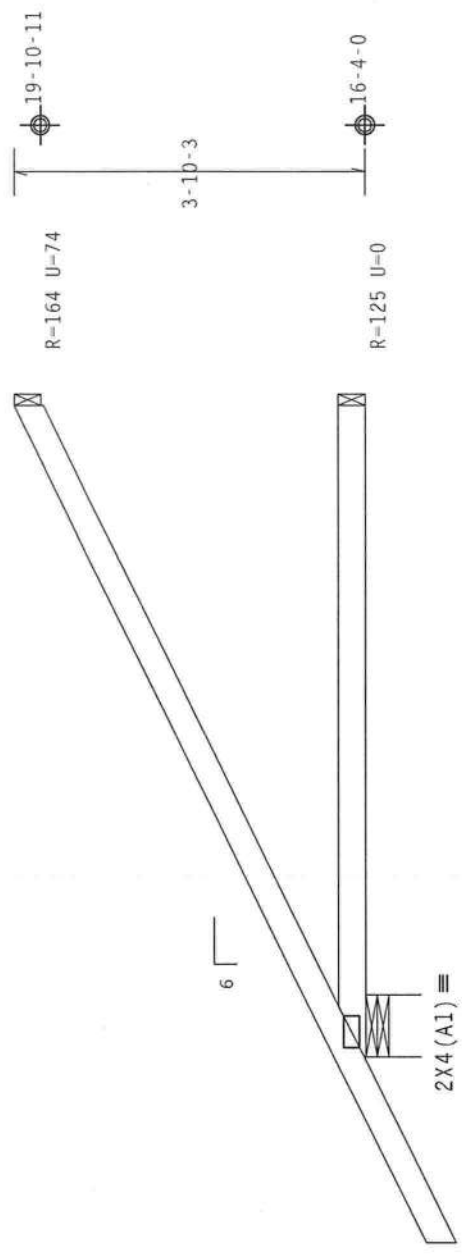
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 17.93 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCp1 (+/-)=-0.18

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

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



2-0-0
7-0-0 Over 3 Supports
R=411 U=77 W=8"
RL=123/-45

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%)/10(0)

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R9114- 86700
TC DL	7.0 PSF	DATE	10/18/12
BC DL	10.0 PSF	DRW	HCUSR9114 12292024
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN-	24981
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1U0F9114Z01

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NITCA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the BCSI details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering structure. Responsibility solely for the design shown. The use of this sign for any other purpose is prohibited. General notes pages: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NITCA: www.nitcaindustry.com; ICC: www.iccsafe.org



ALPINE

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

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

lumber grades designated with "12A" use design values approved 11/5/2012 by ALSC.

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

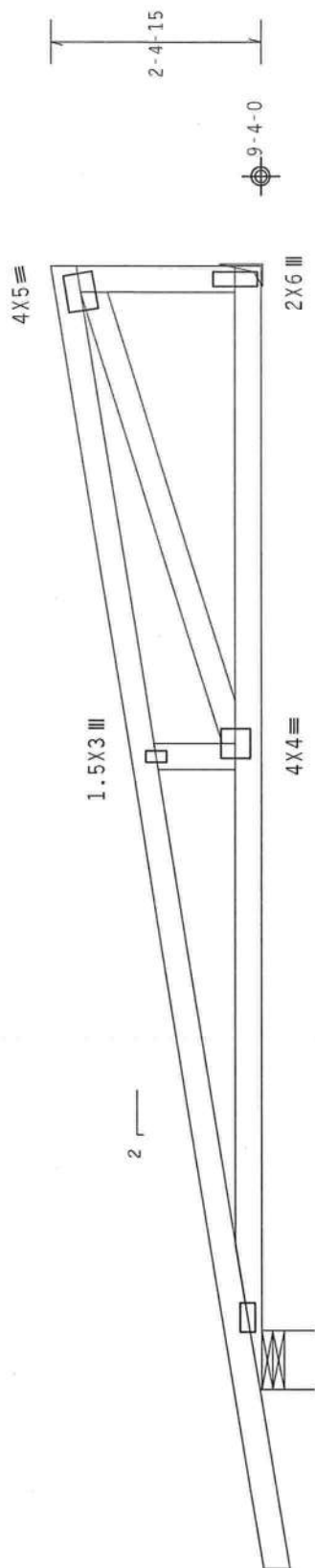
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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

Right end vertical not exposed to wind pressure.

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



2-0-0

12-7-0 Over 2 Supports.

R-599 U-163 W-8"
RL-67

R-451 U-82
H-H1

Design Crit: FBC2010Res/TPI-2007(Std)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .5"/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. Follow the latest edition of BCSP (Building Component Safety) Information, by IPI and NICA for safety practices prior to performing these functions. Installers shall provide temporary bracing for all erected trusses. Trusses shall be braced in accordance with the bracing details shown. Trusses shall have proper lateral bracing attached to the ceiling. Connections shown for permanent lateral bracing shall have bracing installed per BCSP sections B3, B7 and B10. As applicable.

[illegible]

TC LL	20.0 PSF
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TC 01 7 0 PSE

[illegible]

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 37.0 PSF

DUR. FAC. 1.25

SPACING 24.0"



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

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - M2 12'8" Mono)

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

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

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

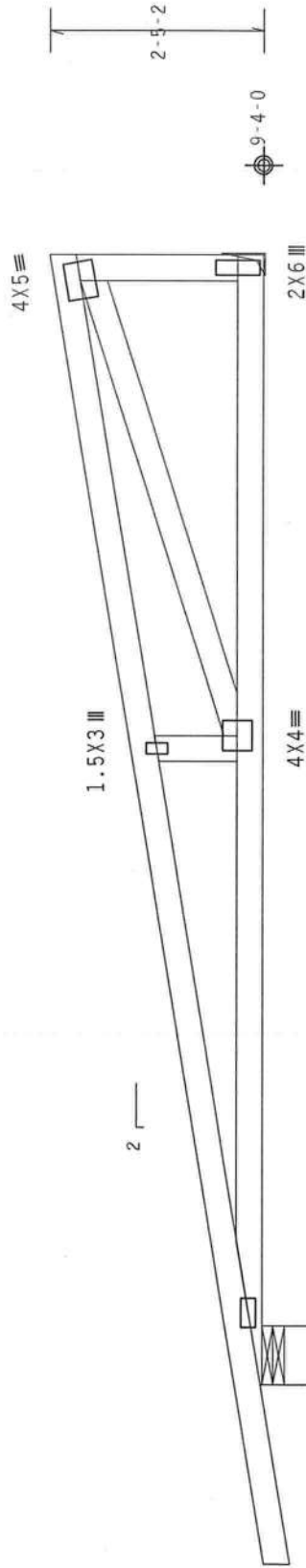
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCp1 (+/-)=-0.18

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

Right end vertical not exposed to wind pressure.

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



2'-0'-0"

12'-8'-0" Over 2 Supports

R-603 U-163 W-8"
RL-67

R-454 U-83
H-H1

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%)/10(0)

FL/-5/-/-R/-

PLT TYP. Wave

Scale = 5"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL COMPARTMENTS INCLUDING INSTALLERS.

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Follow the latest edition of BCSI Building Component Safety Information, by TPI and NICA, practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IIM Building Components Group Inc. (IIMBCG) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the bottom chord of the truss shall be used to indicate the location of the joint. The engineering structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page: IIM-BCG: www.iimbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



ALPINE
Haines City, FL 33844
FL COA #0 278



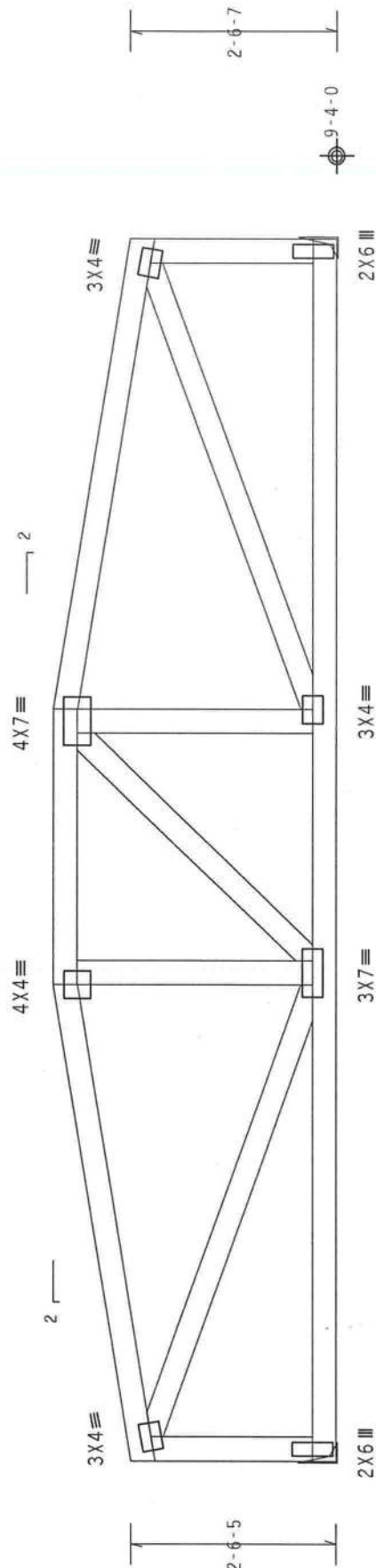
TC LL	20.0 PSF	REF	R9114- 86702
TC DL	7.0 PSF	DATE	10/18/12
BC DL	10.0 PSF	DRW	HCUS9114 12292026
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN	24985
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UQF9114Z01

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - C1 14'9" Stepdown Hip)

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

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.
End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. 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.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



5-9-0 3-4-0 5-8-0
14-9-0 Over 2 Supports

R-547 U-101
RL-69/-68
H-H1

R-547 U-101
H-H2

Design Crit: FBC2010Res/TPI-2007(STP

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	Design Crit: FBC2010Res/TPI-2007(STP)		Scale = 5"/Ft.	
	FT/RT=20%(0%)/10(0)	10.03 11.0209 20	QT 1	FL/-/5/-/-/R/-
	WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.			REF R9114- 86703
	IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) practices prior to performing these functions. Installers shall provide temporary bracing for BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joints. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal of the drawing is on every page. Listing this drawing, indicates acceptance of professional engineering jurisdiction and the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org			DATE 10/18/12
				DRW HCUS9114 12292027
				HC-ENG JB/WPF
				SEQN- 24986
				JREF- 1U0F9114Z01

Top chord 2x4 SP_#1_12A : T1, T5 2x4 SP_M-30:
Bot chord 2x6 SP_SS_12A : B2 2x6 SP_#2_12A:
Webs 2x4 SP_#3_12A

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

Calculated horizontal deflection is 0.14" due to live load and 0.17" due to dead load.

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

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

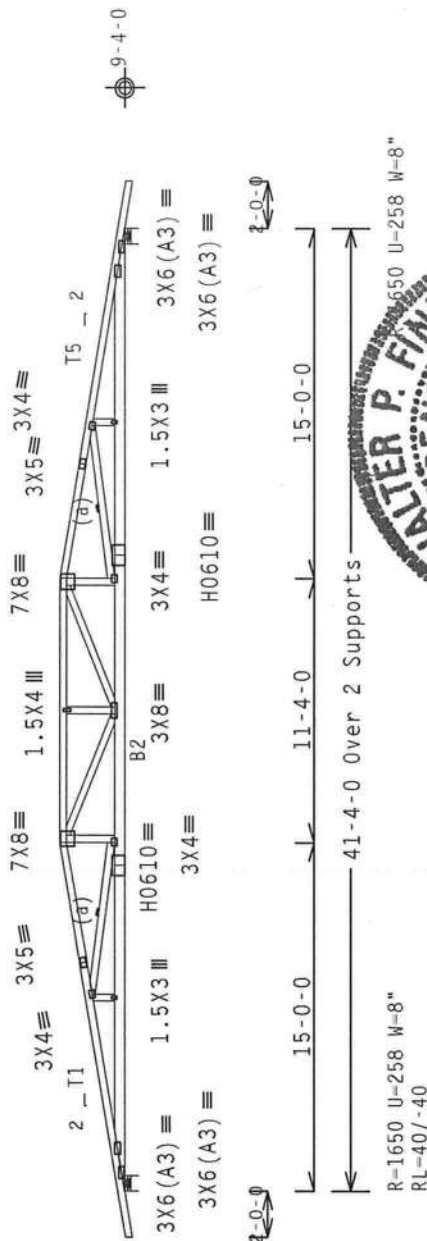
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL-3.5

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

(a) Continuous lateral bracing equally spaced on member.

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

Calculated vertical deflection is 1.11" due to live load and 1.36" due to dead load at $X = 20-8-0$.



R-1650 U-258 W-8"
RL-40/-40

41-4-0 Over 2 Supports.

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007(STD)

FL/-/5/-/-/R/-
Scale = .125"/Ft.

10:03: N0209820 QTY:

FT/RT=20%(0%)/10(0)

Design Circle: 10

PLT TYP. 20 Gauge HS, Wave

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing near end CSI.

Insurers shall provide temporary bracing per the following practices prior to performing these functions.

[illegible]

Apply plates to each face of the slab and position as shown above and on the bottom of the slab. The plates should be welded to the reinforcement bars. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user.

the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see:
general notes page; ITH-BG5; www.ithbcy.com; TPI; www.tpinet.org; WICA; www.sbcindustry.com;

TC LL	20.0 PSF	REF	R9114- 86704
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TC DI	7 0 PSE	DATE	10/18/13
TC DI	7 0 PSE	DATE	10/18/13

IC DL	DATE	10/18/12
7.0 PSF		

BC DL	10.0 PSF	DRW HCUSR9114 1229202
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BC LL	0.0 PSE	HC-ENG JB/WPF
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[illegible]

101.LD.	37.0 PSF	SEQN- 25033
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DUR.FAC.	1.25
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SPACING	24.0"	JREF- 1U0F9114701
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10	10	10
11	11	11
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99	99	99
100	100	100

(12-297--Fill) in later Schnable Renovation/Add. -- Lake City, FL - H138 41'4" Steepdown Hip)

Top chord 2x4 SP #1_12A
Bot chord 2x6 SP #5_12A :B2 2x6 SP #1_Dense_12A:
Webs 2x4 SP #3_12A

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

Calculated horizontal deflection is 0.14" due to live load and 0.17" due to dead load.

Calculated vertical deflection is 1.21" due to live load and 1.49" due to dead load at X = 18'-1-15.

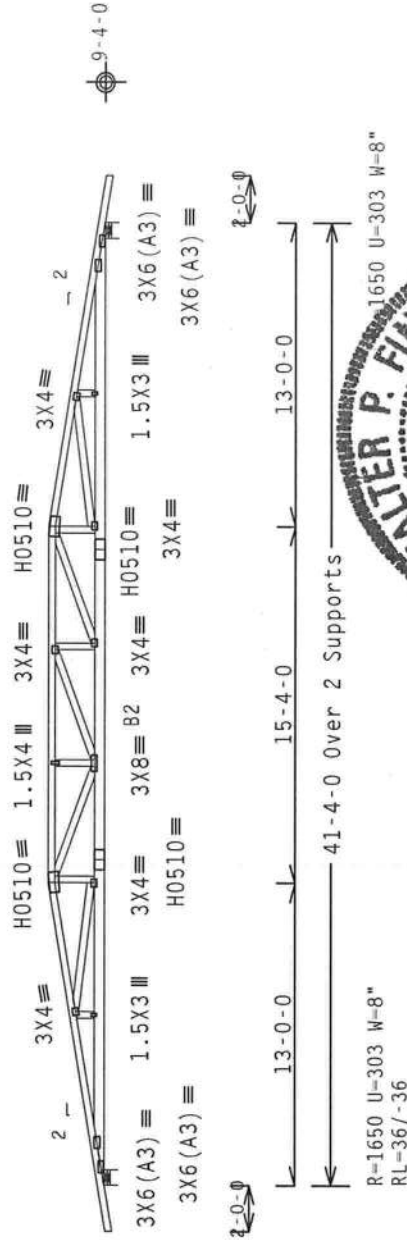
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL-3.5 psf, wind BC DL-5.0 psf. GCPI(+/-)-0.18

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

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

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

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



R=1650 U-303 W-8"
RL=36/-36

PLT TYP. 20 Gauge HS.Wave

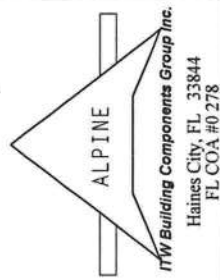
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .125"/Ft.

TC LL	20.0 PSF	REF R9114- 86705
TC DL	7.0 PSF	DATE 10/18/12
BC DL	10.0 PSF	DRW HCUSP9114 12292029
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 25038
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U0F9114Z01



****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. Follow the latest edition of BCSI (Building Component Safety Information) by TPI and NICA. Practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on 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 user. ITW Building Components Group Inc. 11111 W. 11th Ave., Suite 100, Haines City, FL 33844. Tel: 888-444-4444. Fax: 888-444-4444. Email: sales@itwbcg.com. Website: www.itwbcg.com. TPI: www.tpiinst.org. NICA: www.nicainstitute.org. ICC: www.iccsafe.org.



(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ39 3' Jack)

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

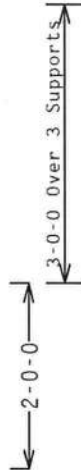
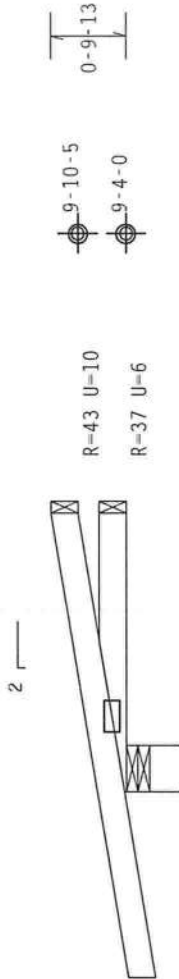
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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

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

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



R=280 U-128 W-6"
RL=28

Design Crit: FBC2010Res/TPI-2007 (STP)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

ALPINE

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

Scale = .5"/Ft.

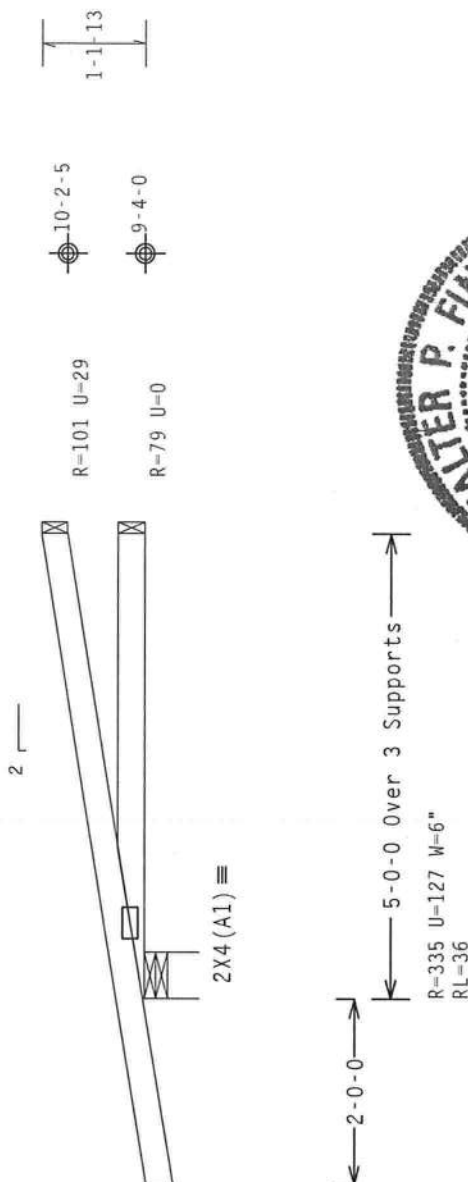
TC LL	20.0 PSF	REF	R9114- 86708
TC DL	7.0 PSF	DATE	10/18/12
BC DL	10.0 PSF	DRW	HCU9R114 12292031
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT.LD.	37.0 PSF	SEQN	24996
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UQF9114Z01

WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/18/2012

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpt (+/-)=0.18

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

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

Design Crit: FBC2010Res/TPI-2007(Std)
FT/RT=20%(0%)/10(0)

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

[illegible][illegible]

FL/-/5/-/-R/-		Scale =.5"/Ft.
TC LL	20.0 PSF	REF R9114- 86709
TC DL	7.0 PSF	DATE 10/18/12
BC DL	10.0 PSF	DRW HCUSR9114 12292032
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 24997
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UQF9114Z01

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CJ79 7' Jack)

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

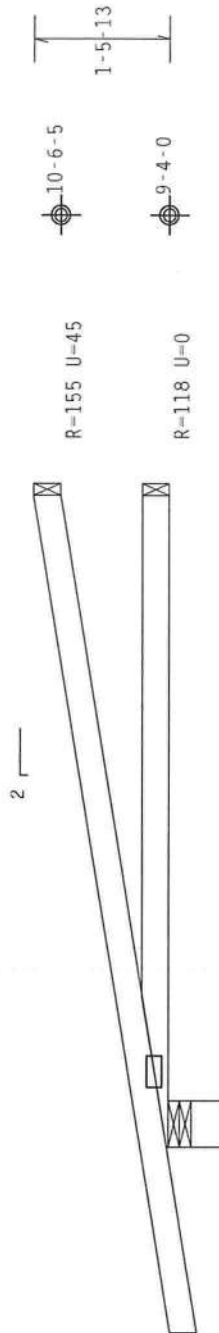
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge. RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

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



2'-0"-0"
7'-0"-0" Over 3 Supports
R-401 U=134 W=6"
RL=44

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20% (0%)/10 (0)

PLT TYP. Wave

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

10/03 No. 00000000
WALTER P. FINN
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/18/2012

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .5"/Ft.
TC DL	7.0 PSF		REF R9114- 86710
BC DL	10.0 PSF		DATE 10/18/12
BC LL	0.0 PSF		DRW HCUSR9114 12292033
TOT.LD.	37.0 PSF		HC-ENG JB/WPF
DUR.FAC.	1.25		SEQN- 24998
SPACING	24.0"		JREF- 1U0F9114Z01

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - EJ9A 9' End Jack)

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

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

(H1) = (J) Hanger not calculated (1)2x4 SP_#1_12A supporting member.

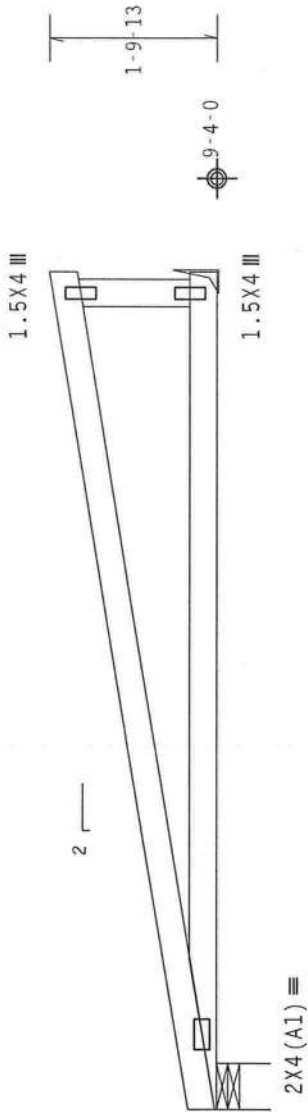
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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

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

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

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



9-0-0 Over 2 Supports

R-336 U-55 W-6"
RL-37

PLT TYP. Wave
Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT-20% (0%)/10 (0)

Scale = .5"/Ft.

TC LL	20.0 PSF	FL/-5/-/-/R/-	REF R9114- 86711
TC DL	7.0 PSF		DATE 10/18/12
BC DL	10.0 PSF		DRW HCUR9114 12292034
BC LL	0.0 PSF		HC-ENG JB/WPF
TOT.LD.	37.0 PSF		SEQN- 25001
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UQF9114Z01

WALTER R. FINN
LICENSE
No. 020830
10-03-2008

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

10/18/2012

IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NTC) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawings page is required for the design of professional engineering structures. 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; NTC: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - EJ9 9' End Jack)

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

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

(H1) = (J) Hanger not calculated (1)2x4 SP_#1_12A supporting member.

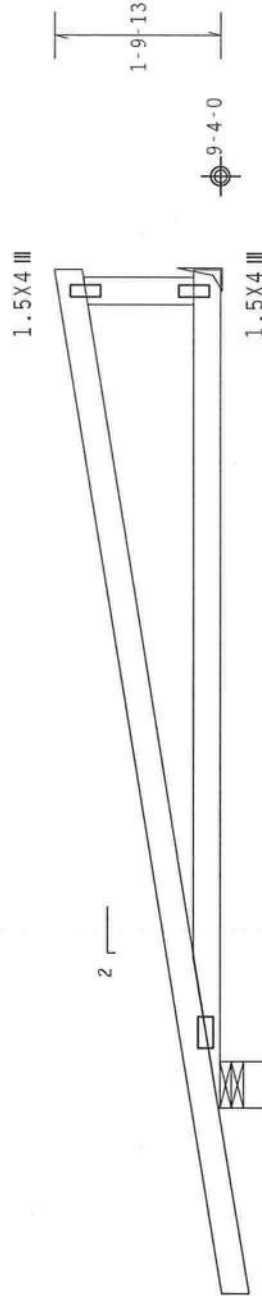
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL-3.5 psf, wind BC DL-5.0 psf, GCp1 (+/-)=0.18

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

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

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



2'-0-0"

9'-0-0" Over 2 Supports

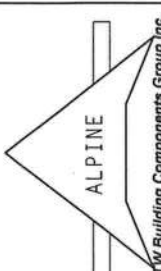
R-468 U=143 W=6"
RL=52

P-316 U-57

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .5"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	10/03 11-0208 20 No. 22839		10/18/2012
	WALTER P. FINN LICENSE No. 22839		10/18/2012
	STATE OF FLORIDA PROFESSIONAL ENGINEER		10/18/2012
	10/18/2012		10/18/2012
	10/18/2012		10/18/2012
PLT TYP. Wave		TC LL	20.0 PSF
		TC DL	7.0 PSF
		BC DL	10.0 PSF
		BC LL	0.0 PSF
		TOT.LD.	37.0 PSF
		DUR.FAC.	1.25
		SPACING	24.0"
		JREF	1UQF9114Z01

Top	chord	2x4	SP_#1_12A
3ot	chord	2x4	SP_#1_12A
	webs	2x4	SP_#3_12A

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

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

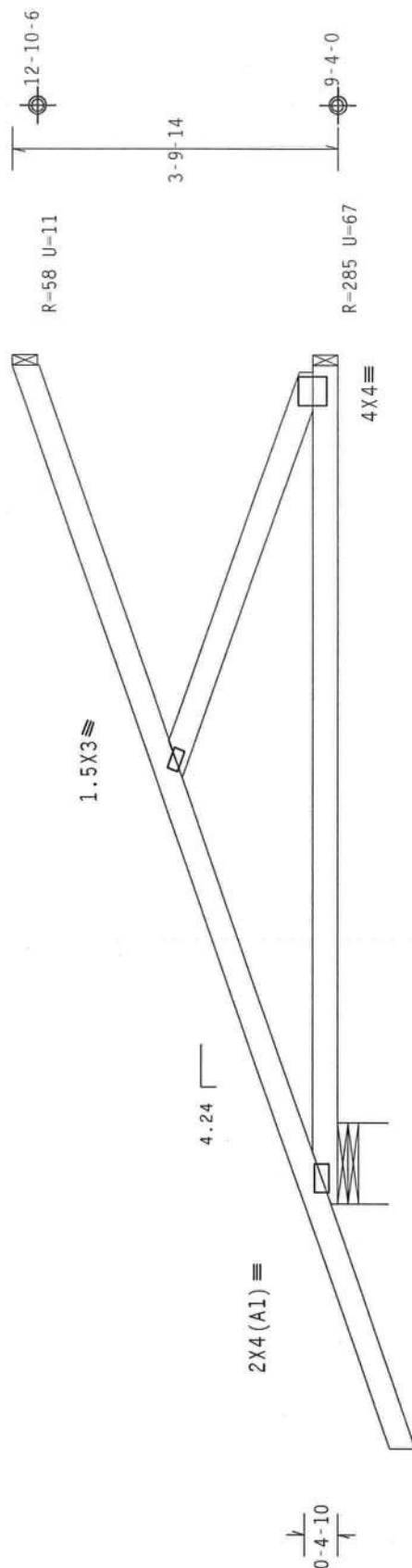
Wind loads and reactions based on MWFRS with additional C&C member design.

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

Special loads

Species	Load	----- (Lumber	Dur. Fac.=1.25	/	Plate	Dur. Fac.=1.25)
TC-	From	0	plf at -2.83	to	55	plf at 0.00
TC-	From	2	plf at 0.00	to	2	plf at 9.72
BC-	From	0	plf at -2.83	to	4	plf at 0.00
BC-	From	2	plf at 0.00	to	2	plf at 9.72
TC-	-81.69 lb Conc.	Load at	1.30			
TC-	79.24 lb Conc.	Load at	4.13			
TC-	210.84 lb Conc.	Load at	6.96			
BC-	1.08 lb Conc.	Load at	1.30			
BC-	91.58 lb Conc.	Load at	4.13			
BC-	170.88 lb Conc.	Load at	6.96			

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



9-8-11 Over 3 Supports-

R-333 U-285 W-11.315"

Design Crit: FBC2010Res/TPI-2007(STD)
 $FT/RT=20\%(0\%)/10(0)$

PLT TYP. Wave

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

10:03 AM 20200929

FL/-/5/-/-/R/-	Scale = .5"/Ft.
TC LL	20.0 PSF
REF	R9114-86713

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

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 IPI and NITCA for safety practices prior to performing these functions. Installers shall provide temporary bracing for safety. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 and B8, as applicable.

LTM Building Components Group Inc. (LBMCO) shall not be responsible for any deviation from this design or specification. The user must understand that LBMCO will not be responsible for the engineering of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 For standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per MB3I/PPI Sec.2. For more information see: This Job's general notes page; ltm-bcoo.com; 17pi-usinc@prologica.net; 17pi-usinc@gmail.com; MICRA; www.docinfoindust.com;

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10/18/2012

BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 25003
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U09114701

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - EJ73 7' End Jack Girder)

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

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

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

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

Left end vertical not exposed to wind pressure.

Special loads

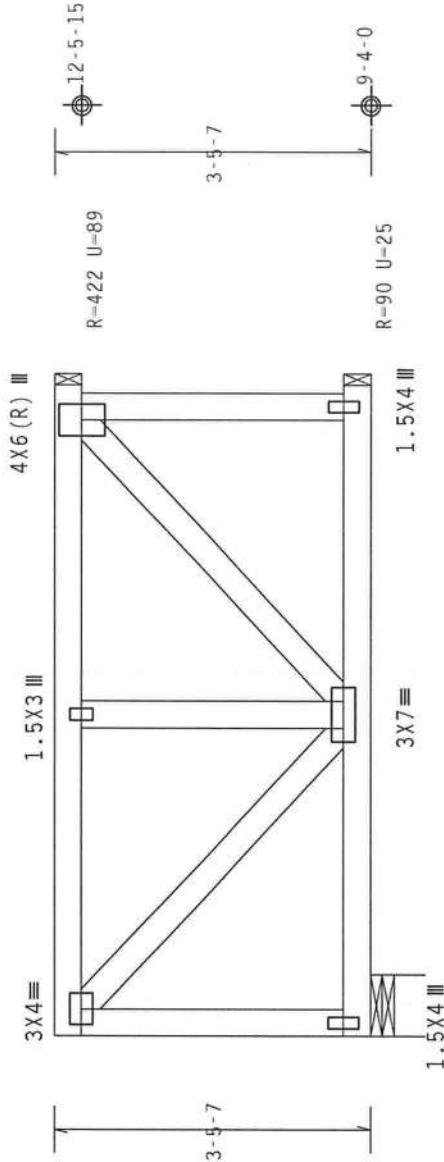
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 54 plf at 0.00 to 54 plf at 2.06
TC- From 27 plf at 2.06 to 27 plf at 7.00
BC- From 20 plf at 0.00 to 20 plf at 2.06
BC- From 10 plf at 2.06 to 10 plf at 7.00
BC- 213.38 lb Conc. Load at 2.06, 4.06, 6.06

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

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

Truss must be installed as shown with top chord up.

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

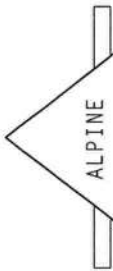


7-0-0 Over 3 Supports
R-463 U-99 W-8"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

Scale =.5"/Ft.

 ALPINE Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		1003. No. 202899		FL/-5/-/-/R/-		
	IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		1003. No. 202899		REF R9114- 86714		
	I/M Building Components Group Inc. (I/MBCGI) shall not be responsible for any deviation from the details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the bottom chord of the truss shall be provided. The responsibility and seal of this design structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page; I/M-8CG; www.itwbcg.com; TPI: www.tpinet.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org		1003. No. 202899		DATE 10/18/12		
			1003. No. 202899		DRW HCUSR9114 12292010		
			1003. No. 202899		HC-ENG JB/WPF		
						1003. No. 202899	
		1003. No. 202899		1003. No. 202899		JREF- 1UQF9114Z01	

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - CG 16'1" Common Girder)

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

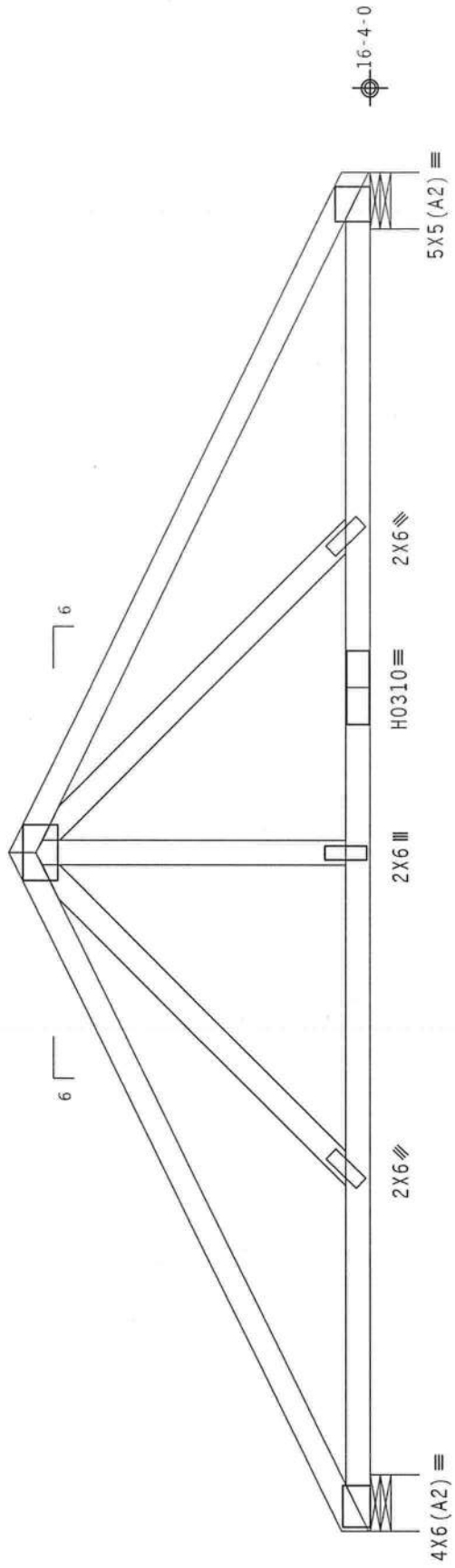
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Special loads

-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 56 plf at 0.00 to 56 plf at 8.04
TC- From 56 plf at 8.04 to 56 plf at 16.08
BC- From 20 plf at 0.00 to 20 plf at 2.40
BC- From 10 plf at 2.40 to 10 plf at 13.60
BC- From 20 plf at 13.60 to 20 plf at 16.08
BC- 923.21 lb Conc. Load at 2.40, 4.40, 6.40, 8.40
9.60, 11.60, 13.60

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
120 mph wind, 18.69 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpl (+/-)-0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



8'-0'-8" 16'-1'-0" Over 2 Supports 8'-0'-8" R-3777 U-656 W-8" R-3790 U-657 W-8"

PLT TYP. 20 Gauge HS.Wave Design Crit: FBC2010Res/TPI-2007 (STD FT/RT=20%(0%)/10(0) 10/03 No. 020839

PLT TYP. 20 Gauge HS.Wave		FL/-/5/-/-/R/-	Scale = 5"/Ft.
Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)		TC LL	20.0 PSF
56 plf at 0.00 to 56 plf at 8.04		TC DL	7.0 PSF
56 plf at 8.04 to 56 plf at 16.08		BC DL	10.0 PSF
20 plf at 0.00 to 20 plf at 2.40		BC LL	0.0 PSF
10 plf at 2.40 to 10 plf at 13.60		TOT.LD.	37.0 PSF
20 plf at 13.60 to 20 plf at 16.08		DUR.FAC.	1.25
BC- 923.21 lb Conc. Load at 2.40, 4.40, 6.40, 8.40		SPACING	24.0"
9.60, 11.60, 13.60		REF	R9114- 86715
		DATE	10/18/12
		DRW	HCUSR9114 12292046
		HC-ENG	JB/WPF
		SEQN	25007
		JREF	1UQF9114Z01



ALPINE
Haines City, FL 33844
FL COA #0 278

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - HJ7 9'10"13 Hip Jack Girder)

Top chord 2x4 SP #1 12A
Bot chord 2x4 SP #1 12A
Webs 2x4 SP #3 12A

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

120 mph wind. 17.91 ft mean hgt. ASCE 7-10. CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

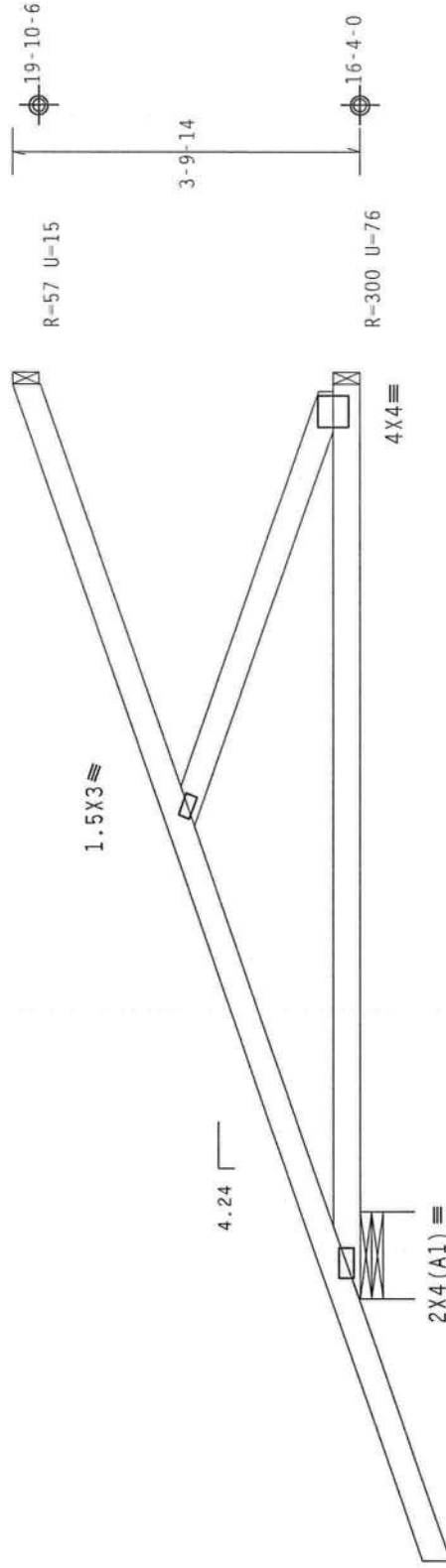
Wind loads and reactions based on MWFRS with additional C&C member design.

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

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 plf at -2.83 to 55 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 9.90
BC- From 0 plf at -2.83 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 9.90
TC- -64.22 lb Conc. Load at 1.48
TC- 87.55 lb Conc. Load at 4.31
TC- 215.58 lb Conc. Load at 7.13
BC- 2.41 lb Conc. Load at 1.48
BC- 93.18 lb Conc. Load at 4.31
BC- 172.94 lb Conc. Load at 7.13

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



Design Crit: FBC2010Res/TPI-2007 (STD)

FT/RT=20%(0%)/10(0)

FL/-5/-/-/R/-

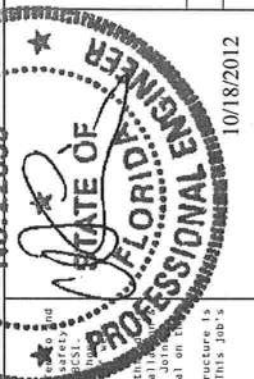
Scale =.5"/Ft.

PLT TYP. Wave

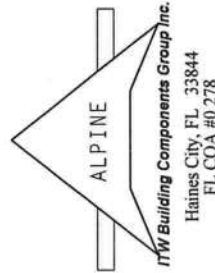
IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI Building Component Safety Information, by TPI and MICA, practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joining Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing will never be a substitute for proper installation. The responsibility for the design, fabrication, and installation of the structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.bcsiindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF R9114- 86716
TC DL	7.0 PSF	DATE 10/18/12
BC DL	10.0 PSF	DRW HCUSR9114 12292040
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT.LD.	37.0 PSF	SEQN- 25008
DUR.FAC.	1.25	JREF- 1UQF9114Z01
SPACING	24.0"	



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

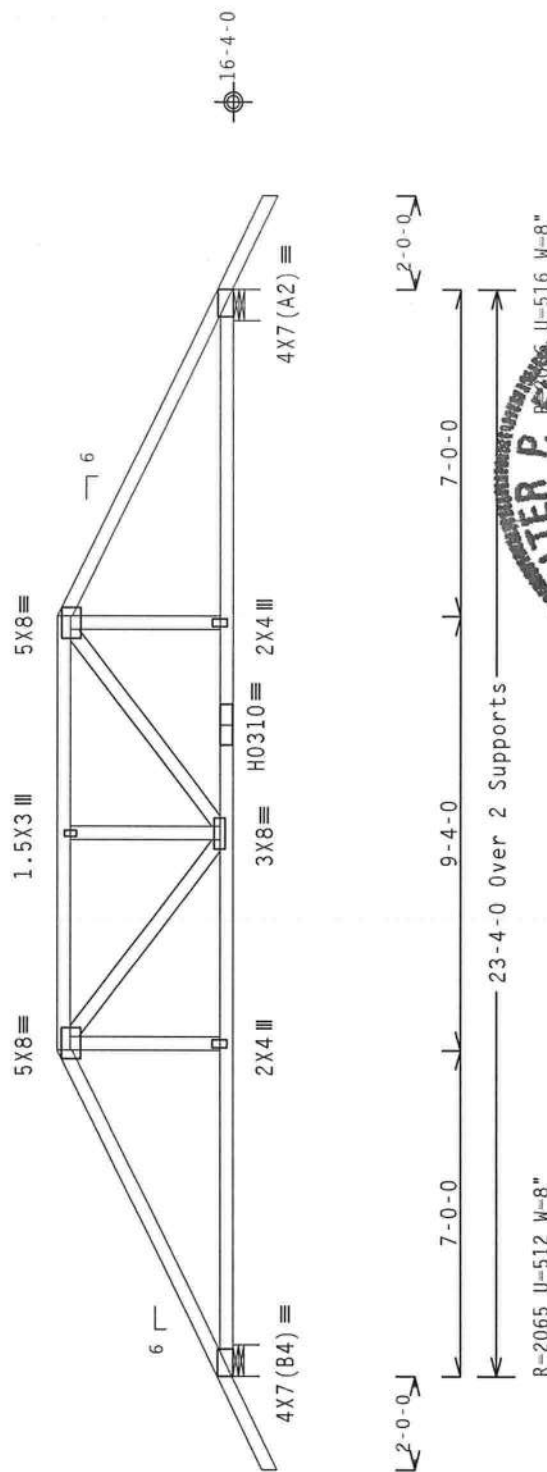
umber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 17.93 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpt (+/-)=-0.18

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

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

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



R-2065 U-512 W-8"

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

10/18/2012

****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. Trusses must be installed in accordance with the latest edition of BCSI (Building Component Safety Information, by IP1 and NICA) for safety and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Trusses shall be installed in accordance with ANSI/TPI 1, or for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility by the building designer per ANSI/TPI 1, Sec-2. For more information, contact: general notes page. ITW-BCG: www.itwbcg.com; IP1: www.tpi.net.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org



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

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

120 mph wind, 17.93 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCp1 (+/-)=0.18

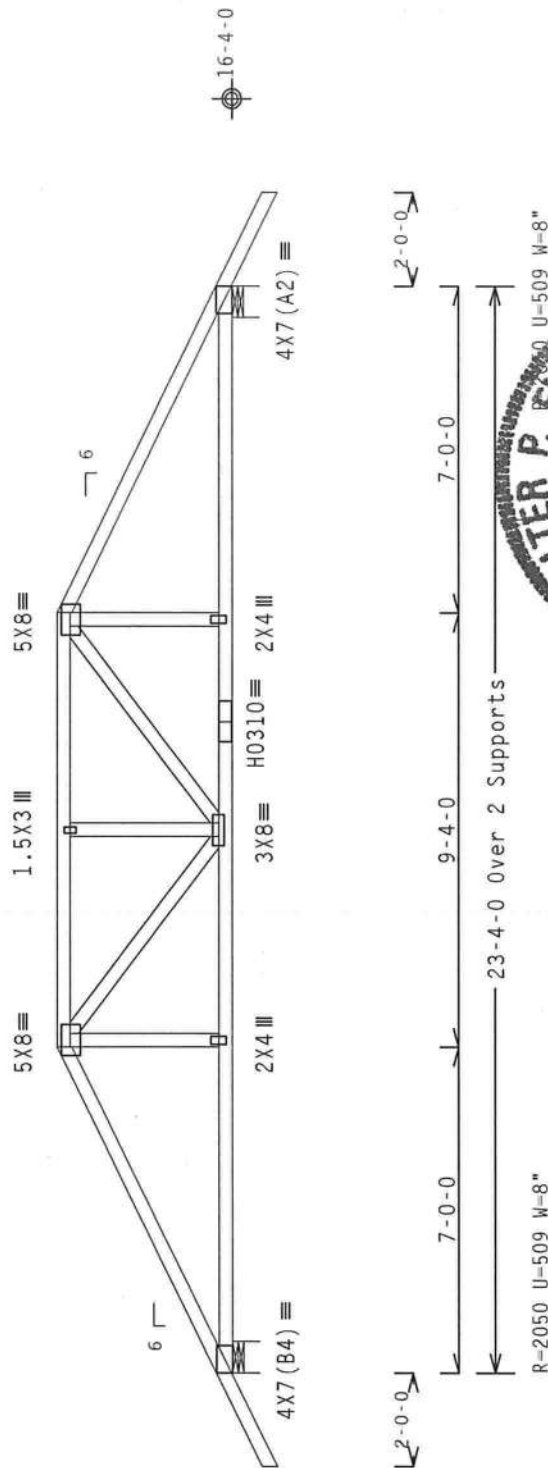
wind loads and reactions based on MWFRS with additional C&C member design.

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

Special loads

Species	Number	Duration	Fac. 1.25	Plate	Dur. Fac. 1.25
TC-From	56 pif	at -2.00	to	56 pif	at 7.00
TC-From	28 pif	at 7.00	to	28 pif	at 16.33
TC-From	56 pif	at 16.33	to	56 pif	at 25.33
BC-From	4 pif	at -2.00	to	4 pif	at 0.00
BC-From	20 pif	at 0.00	to	20 pif	at 7.03
BC-From	10 pif	at 7.03	to	10 pif	at 16.30
BC-From	20 pif	at 16.30	to	20 pif	at 23.33
BC-From	4 pif	at 23.33	to	4 pif	at 25.33
TC-220.25	1b Conc.	Load	at 7.03	16.30	
TC-163.57	1b Conc.	Load	at 9.06	11.06, 12.27, 14	
BC-425.53	1b Conc.	Load	at 7.03	16.30	
BC-125.03	1b Conc.	Load	at 9.06	11.06, 12.27, 14	

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



Design Crit: FBC2010Res/TPI-2007(Std)

PLT TYP. 20 Gauge HS, Wave

STOCKS/INT 2007 (0)
FT/RT=20%(0%) /10(0)

10:03 AM 03/03/2000

Scale = .25"/Ft.

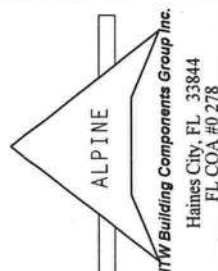
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BC31 (Building Component Safety Information, by IPI and WICA) and the latest edition of BC32 (Bracing of Trusses, by IPI and WICA) for safety and bracing information. Trusses shall be installed in accordance with the BC31 and BC32. The manufacturer shall provide temporary bracing per BC31. The installer shall provide permanent bracing per BC32.

Business names, addresses, telephone numbers, and fax numbers of all contractors who have prepared or installed this design shall be provided to the manufacturer. The manufacturer shall have prepared or installed this design in accordance with the latest lateral restraint design. The manufacturer shall provide the latest lateral restraint design to all contractors including installers. BC32-600 Bracing and Lateral Restraint.

The Building Components Group Inc. (LBCCI) shall not be responsible for any deviation from the design shown. The manufacturer shall be responsible for the correct manufacturing and supplying of the components. Apply plates to the corners of truss and position as shown. Apply plates to the ends of the truss members, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/SP1 Sec.2. For more information see: This Job's General notes page: 1111-BC00: Building Designer: 171: www.lbcci.com; 171: www.sbcindust.com; 1111-BC00: Building Designer: 171: www.lbcci.com; 171: www.sbcindust.com.



Haines City, FL 338
FL COA #0278

10/18/2012

SPACING 24.0"

JREF- 1UQF9114Z01

(12-297--Fill in later Schnable Renovation/Add. -- Lake City, FL - EJ72 6'10"8 End Jack)

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

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

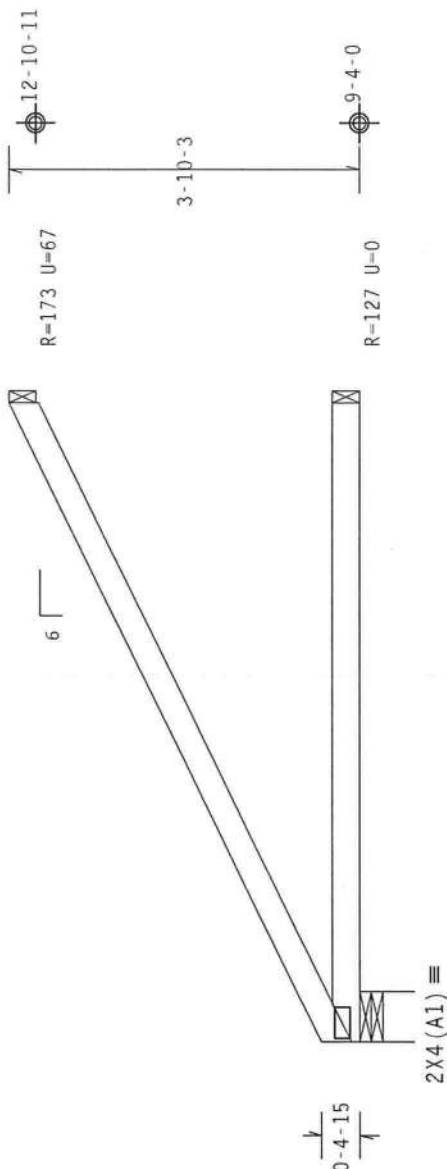
Bottom chord checked for 10.00 psf non-concurrent live load.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpl (+/-)=0.18

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

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



6-10-8 Over 3 Supports
R-266 U=19 W=6.5"
RL-83

Design Crit: FBC2010Res/TPI-2007(STD

FT/RT=20%(0%)/10(0)

PLT TYP. Wave

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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) practices prior to performing these functions. Installers shall provide temporary bracing in places 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.

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

ALPINE
Haines City, FL 33844
FL COA #0278

WALTER P. FINN
LICENSE
NO. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/18/2012

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .5"/Ft.
TC DL	7.0 PSF		REF R9114- 86720
BC DL	10.0 PSF		DATE 10/18/12
BC LL	0.0 PSF		DRW HCUSR9114 12292005
TOT.LD.	37.0 PSF		HC-ENG JB/WPF
DUR.FAC.	1.25		SEQN- 25075
SPACING	24.0"		JREF- 1UQF9114Z01

(12-297--F11) in later Schnable Renovation/Add. -- Lake City, FL - H7A1 23'4" Stepdown Hip Girder)

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

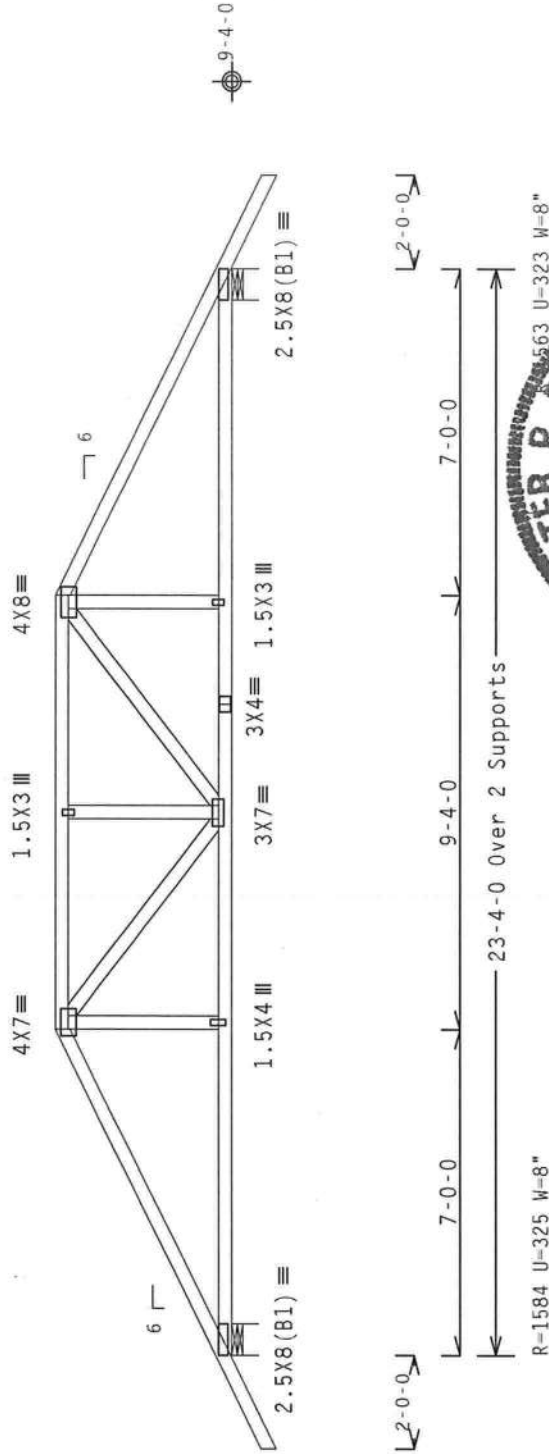
Wind loads and reactions based on MWFRS with additional C&C member design.

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

Special loads

-----Lumber----- Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 56 plf at -2.00 to 56 plf at 7.00
TC- From 56 plf at 7.00 to 56 plf at 16.33
TC- From 56 plf at 16.33 to 56 plf at 25.33
BC- From 4 plf at -2.00 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 23.33
BC- From 4 plf at 23.33 to 4 plf at 25.33
TC- 219.67 lb Conc. Load at 7.03
TC- 422.39 lb Conc. Load at 16.90
BC- 409.00 lb Conc. Load at 7.03
BC- 89.86 lb Conc. Load at 16.90

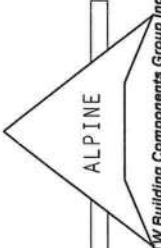
Bottom chord checked for 10.00 psf non-concurrent live load.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%)/10(0)

Scale = .25" / 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. Follow the latest edition of BCSI (Building Component Safety) Information, by IPI and WCAI. Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The seal is not a seal of the State of Florida. For general notes pages: ITW-BCSI: www.itw-bcsi.com; TPI: www.tpinet.org; WCAI: www.wcaindustry.com; ICC: www.iccsafe.org		10/03 11-0208-20 No. 22839	10/03 11-0208-20 No. 22839	10/18/2012
	IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information, by IPI and WCAI. Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The seal is not a seal of the State of Florida. For general notes pages: ITW-BCSI: www.itw-bcsi.com; TPI: www.tpinet.org; WCAI: www.wcaindustry.com; ICC: www.iccsafe.org		10/03 11-0208-20 No. 22839	10/03 11-0208-20 No. 22839	10/18/2012
	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. Follow the latest edition of BCSI (Building Component Safety) Information, by IPI and WCAI. Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The seal is not a seal of the State of Florida. For general notes pages: ITW-BCSI: www.itw-bcsi.com; TPI: www.tpinet.org; WCAI: www.wcaindustry.com; ICC: www.iccsafe.org		10/03 11-0208-20 No. 22839	10/03 11-0208-20 No. 22839	10/18/2012
	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. Follow the latest edition of BCSI (Building Component Safety) Information, by IPI and WCAI. Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The seal is not a seal of the State of Florida. For general notes pages: ITW-BCSI: www.itw-bcsi.com; TPI: www.tpinet.org; WCAI: www.wcaindustry.com; ICC: www.iccsafe.org		10/03 11-0208-20 No. 22839	10/03 11-0208-20 No. 22839	10/18/2012
	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. Follow the latest edition of BCSI (Building Component Safety) Information, by IPI and WCAI. Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The seal is not a seal of the State of Florida. For general notes pages: ITW-BCSI: www.itw-bcsi.com; TPI: www.tpinet.org; WCAI: www.wcaindustry.com; ICC: www.iccsafe.org		10/03 11-0208-20 No. 22839	10/03 11-0208-20 No. 22839	10/18/2012

(12-297--Fill) in later Schnable Renovation/Add. -- Lake City, FL - HJ9 12'8"12 Hip Jack Girder)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP M-30
Webs 2x4 SP #3_12A

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

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

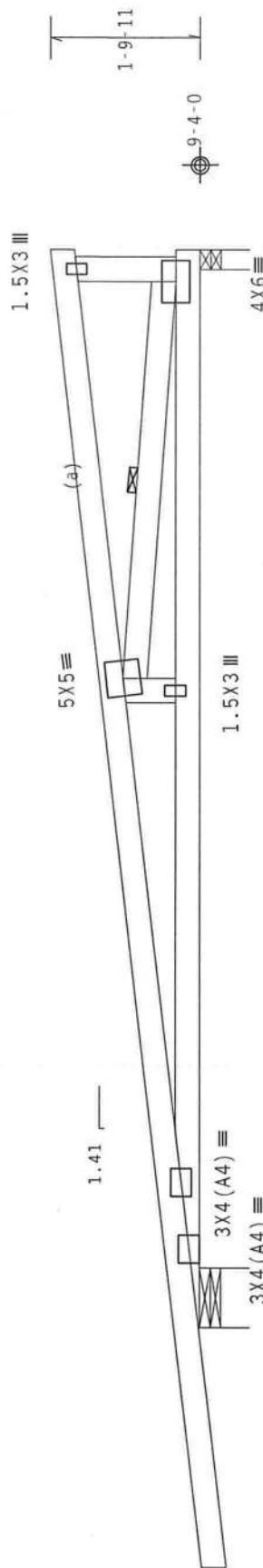
Bottom chord checked for 10.00 psf non-concurrent live load.

Special loads

-----Lumber Dur.Fac=-1.25 / Plate Dur.Fac=-1.25)
TC- From 0 plf at -2.83 to 54 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 12.73
BC- From 0 plf at -2.83 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 12.73
TC- 86.54 lb Conc. Load at 4.31
TC- 202.44 lb Conc. Load at 7.13
TC- 309.89 lb Conc. Load at 9.96
BC- 74.89 lb Conc. Load at 4.31
BC- 158.79 lb Conc. Load at 7.13
BC- 236.07 lb Conc. Load at 9.96

(a) Continuous lateral bracing equally spaced on member.

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



2-9-15 12-8-12 Over 2 Supports 9-4-0
R=499 U=73 W=8.485" R=703 U=77 W=2.828"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=20%(0%)/10(0)

Scale = .5"/Ft.

 ALPINE Haines City, FL 33844 FL COA #0 278	10/18/2012		10/18/2012		10/18/2012	
	DUR.FAC. 1.25		SPACING 24.0"		JREF- 1UQF9114Z01	
	TOT.LD. 37.0 PSF		BC LL 0.0 PSF		SEQN- 25092	
	BC DL 10.0 PSF		TC DL 7.0 PSF		DATE 10/18/12	
	TC LL 20.0 PSF		FL/-/5/-/-/R/-		REF R9114- 86722	



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal on 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; NCAI: www.ncaindstry.com; ICC: www.iccsafe.org

(12-297--Fill) in later Schnable Renovation/Add. -- Lake City, FL - H9B 41'4" Stepped Hip Girder)

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

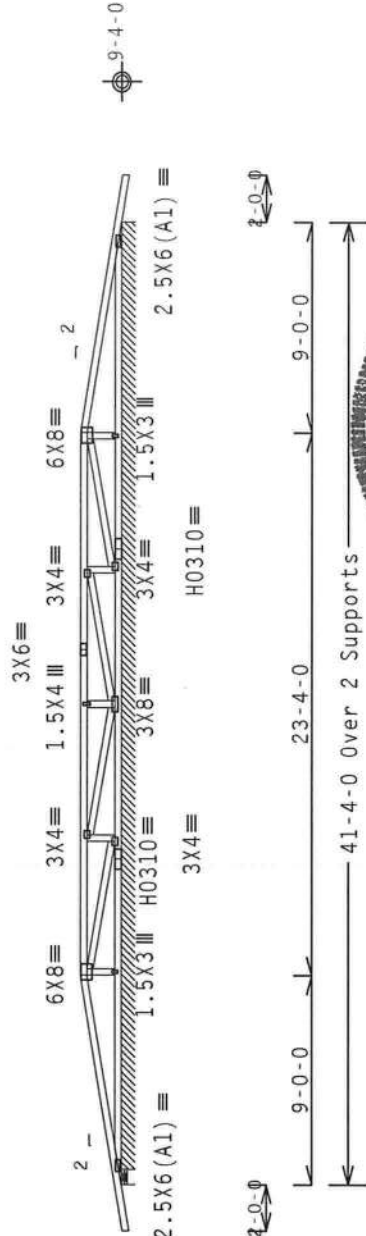
Wind loads and reactions based on MWFRS with additional C&C member design.

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

Special loads

-----Lumber-----
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 54 plf at -2.00 to 54 plf at 9.00
TC- From 27 plf at 9.00 to 27 plf at 32.33
TC- From 54 plf at 32.33 to 54 plf at 43.33
BC- From 4 plf at -2.00 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 9.02
BC- From 10 plf at 9.02 to 10 plf at 32.32
BC- From 20 plf at 32.32 to 20 plf at 41.33
BC- From 4 plf at 41.33 to 4 plf at 43.33
BC- 316.27 lb Conc. Load at 9.02,11.06,13.06,15.06
26.27,28.27,30.27,32.32
BC- 331.49 lb Conc. Load at 17.06,19.06,20.67,22.27
24.27

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



R-436 U=107 W=8"

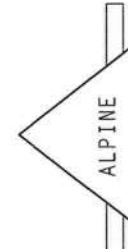
R-152 PLF U-28 PLF

41'-4" Over 2 Supports

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

Scale = .125"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. **IMPORTANT** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by IP1 and NICA) 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 properly attached rigid ceiling. Locations shown for permanent lateral restraining 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 the any failure to build the truss in conformance with ANSI/IP1 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing will cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/IP1 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG; www.itwbcg.com; IP1: www.tpiint.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org	10/18/2012		TC LL	20.0 PSF	REF R9114- 86723
		TC DL	7.0 PSF	DATE 10/18/12		
		BC DL	10.0 PSF	DRW HCUSR9114 12292044		
		BC LL	0.0 PSF	HC-ENG JB/WPF		
		TOT.LD.	37.0 PSF	SEQN- 25089		
		DUR.FAC.	1.25			
	SPACING	24.0"	JREF- 1UQF9114Z01			

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and NCA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the 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 Job Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing cover page listing this disclaimer shall be required for all truss installations. 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; NCA: www.bcsiindustry.com; ICC: www.iccsafe.org



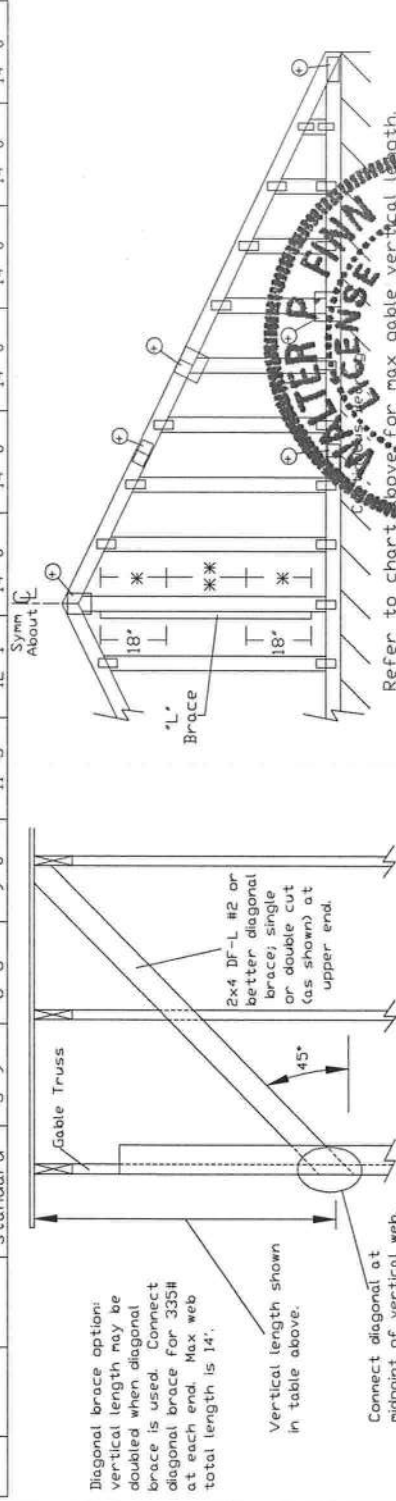
Gable Stud Reinforcement Detail

ASCE 7-10: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

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

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



Diagonal brace option: Vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 335# at each end. Max web total length is 14'.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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

Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing. Chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing are for reference only. Permanent lateral bracing shall be provided in accordance with the applicable code requirements and on the joint details. Unless noted otherwise, refer to drawings 160A-Z for standard plate positions.

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing. Failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & use, shall be the responsibility of the contractor. The suitability and use of this drawing for any professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any professional engineering responsibility solely for the design shown.

For more information see this job's general notes page and these web sites:
ITVBCG www.itvbcg.com, TPI www.tpiinc.org, VTCA www.vtcaindustry.org, ICC www.iccsafe.org

TW
Building Components Group Inc.

Earth City, MO 63045

10/18/2012

12

Professional Engineer
STATE OF FLORIDA
No. 22839
ALTER P. FINN
LICENSE

MAX. TOT. L.D. 60 PSF

MAX. SPACING 24.0"

Bracing Group Species and Grades:		Group A:		Group B:	
Spruce-Pine-Fir	#1 / #2	Standard	Stud	Douglas Fir-Larch	#3
	#3	Standard	Stud		Standard
Southern Pine***		Group A:		Group B:	
Douglas Fir-Larch	#3	Standard	Stud	Southern Pine***	#1
	Standard	Stud	Standard		#2

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

***For 1x4 So. Pine use only Industrial 35 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

Gable end supports load from 4' 0" outleakers with 2' 0" overhang, or 12' plywood overhang.

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

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

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

For (2) "L" 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.

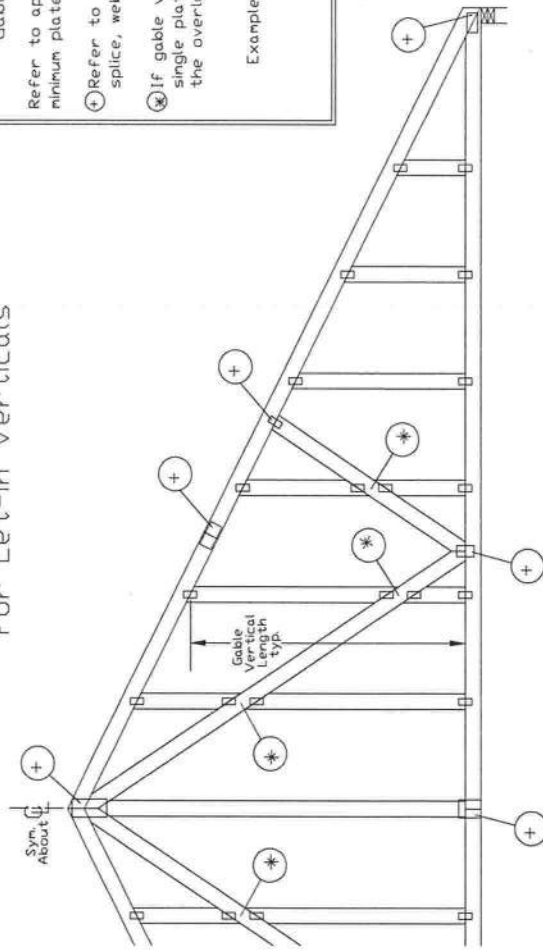
Refer to the Building Designer for conditions not addressed by this detail.

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

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

REF	ASCE 7-10-GAB12015
DATE	2/14/12
DRWG	A12015ENC100212

Gable Detail For Let-in Verticals

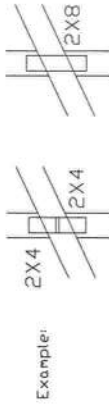


Gable Truss Plate Sizes

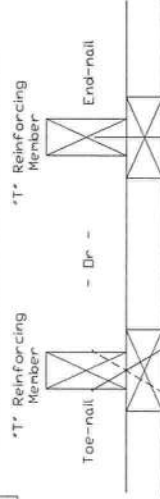
Refer to appropriate ITW gable detail for minimum plate sizes for vertical studs.

⊕ 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.



T* Reinforcement Attachment Detail



To convert from 'L' to 'T*' reinforcing members, multiply 'T*' increase by length (based on appropriate ITW gable detail).

Maximum allowable 'T*' reinforced gable vertical length is 14' from top to bottom chord.

'T*' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T*' Brace

'T*' Reinf. Mbr. Size	'T*' Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft. Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T*' Reinforcing Member Size = 2x4

'T*' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T*' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"

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 the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x 3" min) Toenails at 4" o.c. plus

(4) toenails in the top and bottom chords.

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

wind load.

ASCE 7-98 Gable Detail Drawings

A13015980109, A12015980109, A11015980109, A10015980109,

A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 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

ASCE 7-10 Gable Detail Drawings

A11515ENC100212, A12015ENC100212, A14015ENC100212,

A18015ENC100212, A20015ENC100212, A20015ENC100212, A14030ENC100212,

A11530ENC100212, A12030ENC100212, A14030ENC100212, A20015ENC100212,

A18030ENC100212, A20030ENC100212, A200715ENC100212, A200715ENC100212

See appropriate ITW gable detail for maximum unreinforced gable vertical length

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation & bracing. The responsibility for proper installation and bracing of the truss shall be the responsibility of professional engineering responsibility solely for the design shown. The suitability and use of this drawing 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 and these web sites:
ITWBCG www.itwbcg.com TPI www.tpinet.org VITA www.vitaindustry.org ICC www.iccsafe.org



Earth City, MO 63045

REF LET-IN VERT

DATE 2/16/12

DRWG GBLLETIN0212

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"



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

120 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp D, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Part, Enclosed, Exp C,
Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

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

See Engineer's sealed design referencing this detail
for lumber, plates, and other information not shown
on this detail.

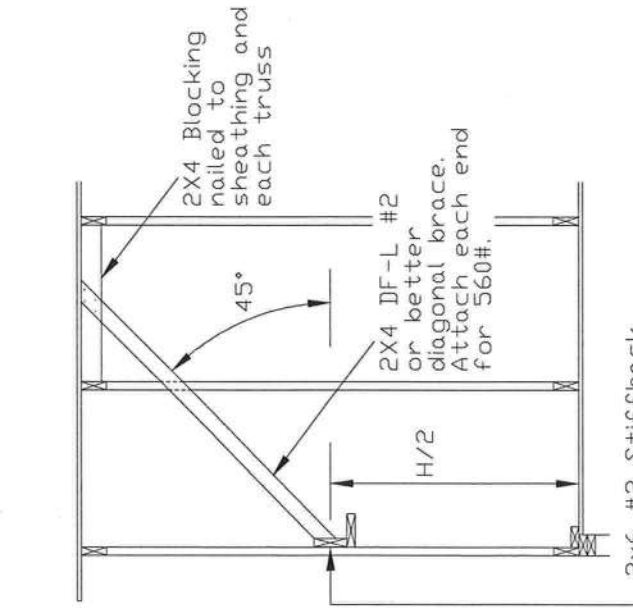
Nails: 10d box or gun (0.128"x3",min) nails.

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

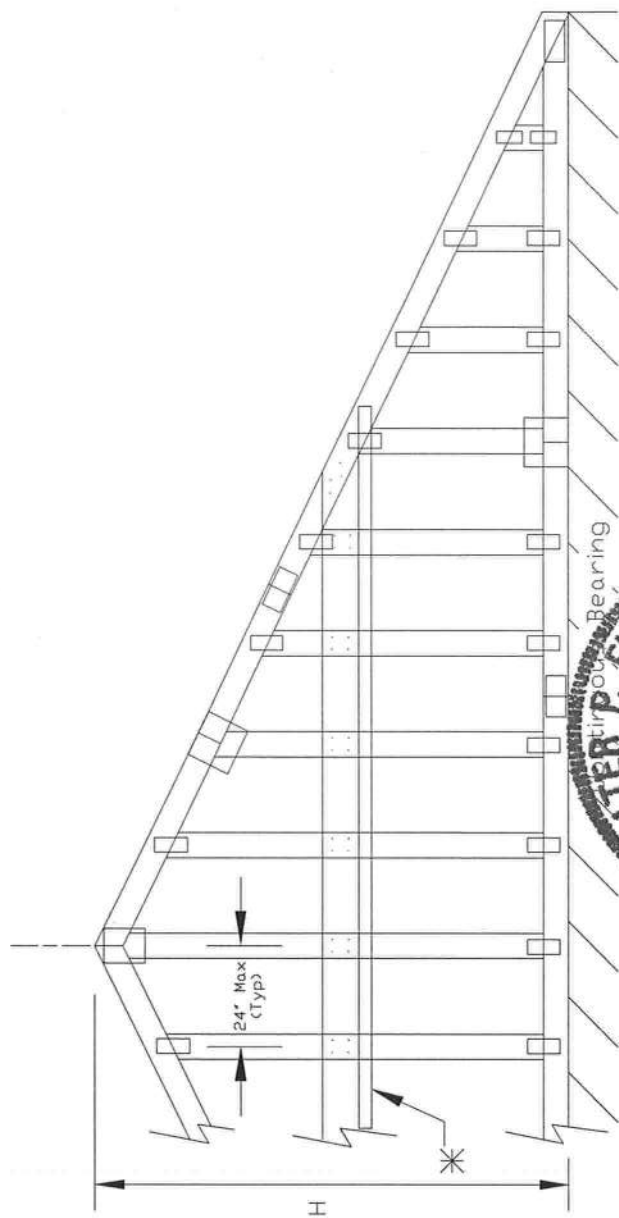
H Greater than 4'6" to 7'6" in length
provide a 2x6 stiffback at mid-height and brace stiffback
to roof diaphragm every 6'0" (see detail below or
refer to DRWG A12030ENC10).

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

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



2x6 #2 Stiffback
attached to each
Stud w/ (4) 10d box or gun (0.123" x 3", min.) nails.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
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ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, or failure to build the truss in accordance with ANSI/TPI 1, or failure to follow the instructions for the use of this drawing. The responsibility for the design and use of this drawing 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 and these web sites:
ITWBCG www.itwbcg.com, TPI www.tpinet.org, WCA www.sccindustry.org, ICC www.iccsafe.org



Earth City, MO 63045

REF GE WHALER

DATE 2/14/12

DRWG GABRST100212

MAX. TOT. LD. 60 PSF

MAX. SPACING

ASCE 7-10: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, $K_{zt} = 1.00$

100 Mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, $K_{zt} = 1.00$

Dr: 100 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Bracing Group Species and Grades:		
Group A:		
Spruce-Pine-Fir	Hein-Fir	
#1 / #2	#2	Stud
Standard	#3	Standard
Douglas Fir-Larch	Southern Pine***	
#3	#3	
Stud	Stud	
Standard	Standard	
Group B:		
Hein-Fir		
#1 & Btr		
#1		
Douglas Fir-Larch	Southern Pine***	
#1	#1	
#2	#2	

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

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

Gable Truss Detail Notes:

Load deflection criterion is L/240.

Provide uplift connections for 70 plf over continuous bearing (5 psf IC Dead Load).

Variable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang, continuous bearing (upst 12 dead load).

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

Attach "L" braces with 10d (0.128" x 3.0" min) nails.

* For (1) "L" brace, space nails at 2' oc.

in 18° end zones and 4° o.c. between zones.

**For (2) "L" braces: space nails at 3' o.c.

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

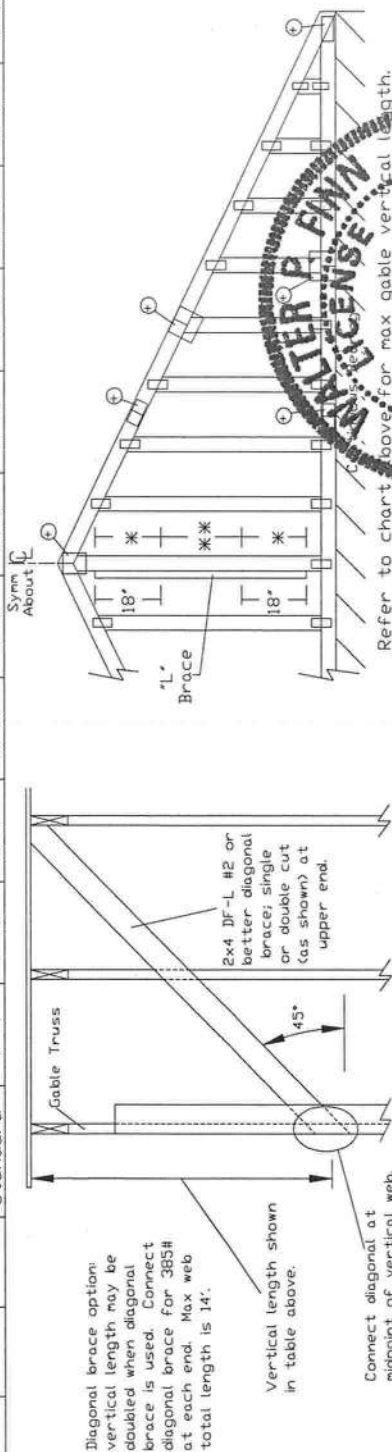
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	2X4
Greater than 11' 6"	25X4

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

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

REF	ASCE7-10-GABI2030
DATE	2/14/12
DRWG	A12030ENC100212

MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"



Refer to chart above for max cable vertical length.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCST (Building Component Safety Information, by TPI and VITA) for more information on these functions. Installers shall provide temporary bracing and bracing details as shown on the drawings. Locating and bracing shall be in accordance with the BCST section 83, 87 or 810, as applicable. Apply the same bracing details to the trusses as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing. Failure to build in conformance with ANSI/TPI 1, or for handling, shipping, installation & securing of trusses. A seal on this drawing or covering lists the date of acceptance of this drawing for engineering responsibility. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2, for providing information for this job's general notes page and these web sites:

For more information see this job's general notes page and these web sites:
 TVBCC: www.tsbcc.com TP: www.tpinst.org VTCA: www.sbindustry.org ICC: www.iccsafe.org

10/18/2012

MAX. SPACING 24.0"

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
2X3 DR 2X4	1 ROW	2X4	1-2X4
2X3 DR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

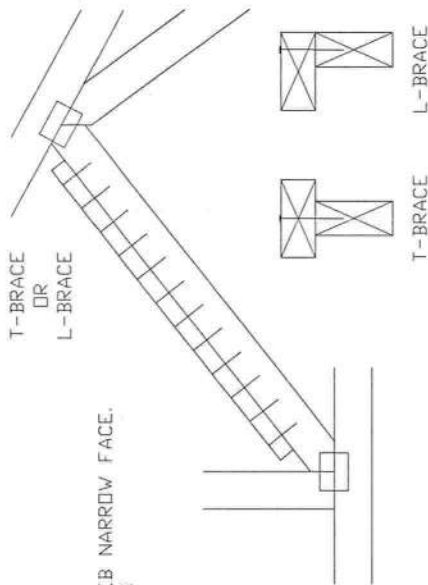
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

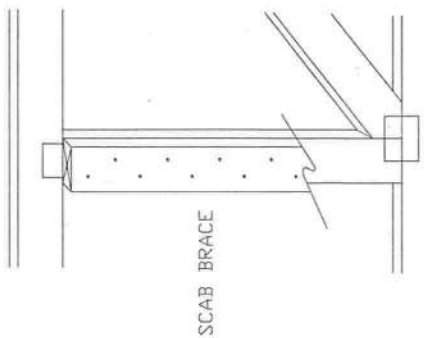
L-BRACING:

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



SCAB BRACING:

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



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2010/16GA (W/H/S/K) AS 37/40/160 1624/H/S galv. steel. Apply plates to each face of truss, positioned as shown. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITW-BG www.itwbcg.com; TPI www.tpinet.com; VICA www.vicaindustry.com; ICC www.iccsafe.org



Earth City, MO 63045

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

10/18/2012