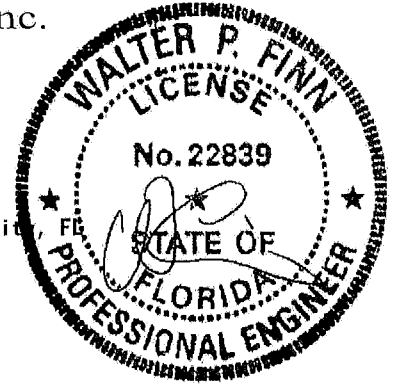


ITW Building Components Group, Inc.

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID 1V3B487-Z0124144926



01/24/2014

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

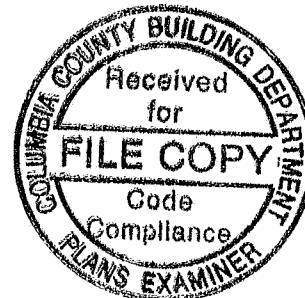
Truss Fabricator **Anderson Truss Company**
Job Identification **14-011--BRYAN ZECHE /Jim & Karen Lewis Remodel -- Lake City, FL**
Truss Count **15**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Res/TPI-2007(STD)**
Engineering Software **Alpine Software, Version 12.03.**
Structural Engineer of Record **The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC**
Address
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

Details: 12015EC1-GBLLETIN-GABRST10-BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	67186--A	24'3" Common	14024145	01/24/14
2	67187-A1	24'3"8 Mono H	14024146	01/24/14
3	67188-AGE	24'3" Specia	14024147	01/24/14
4	67189--B	35'5" Common	14024148	01/24/14
5	67190--BGE	17' Gable	14024149	01/24/14
6	67191--CJ1	1' Jack	14024150	01/24/14
7	67192--CJ3	3' Jack	14024151	01/24/14
8	67193--CJ5	5' End Jack	14024152	01/24/14
9	67194--EJ7	7' End Jack	14024153	01/24/14
10	67195-H7	24'3"8 Mono H	14024154	01/24/14
11	67196-HJ7	9'10"13 Hip	14024155	01/24/14
12	67197-H9	24'3"8 Mono H	14024156	01/24/14
13	67198-H11	24'3"8 Mono	14024157	01/24/14
14	67199--M2	5'8"8 Common	14024158	01/24/14
15	67200--M1	10'3"8 Mono	14024159	01/24/14

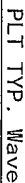


THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf 6cpi(+/-)=0 18

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

Creep increase factor for dead load is 1.50



12 03 04

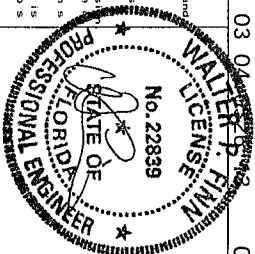
QTY:3 FL/-/4/-/-/R/-

Scale = .25"/Ft.

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

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



TC LL	20.0 PSF	REF	R9114- 67186
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCSR9114 14024145
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT LD	37 0 PSF	SEQN-	345973
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

(14-011--BRYAN ZECHER / Jim & Karen Lewis Remodel -- Lake City, FL - A1 24 3 8 Mono Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

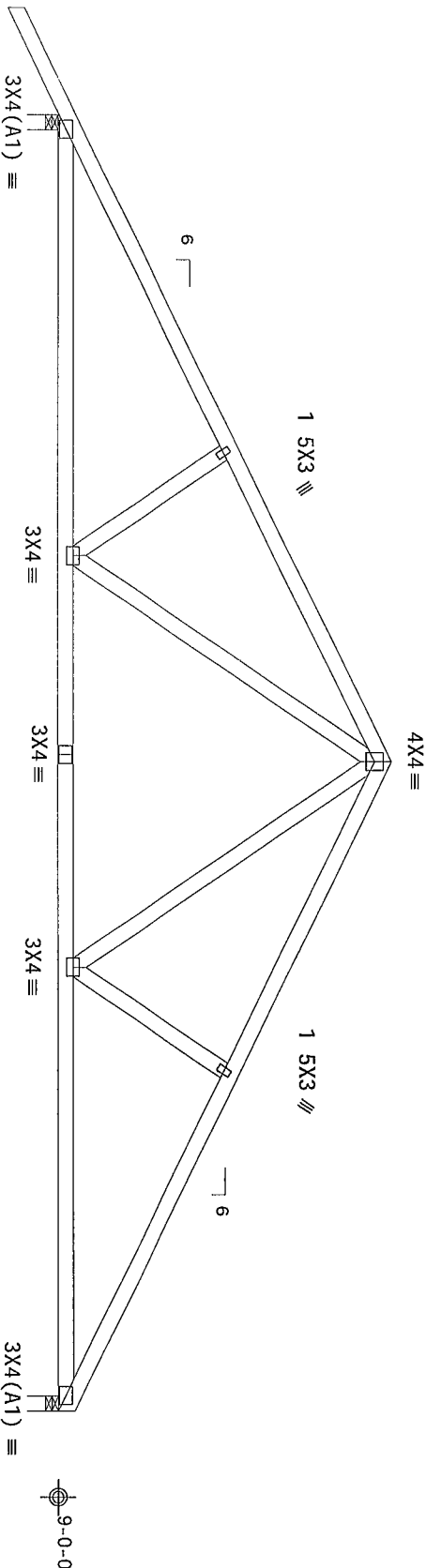
Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

Truss passed check for 20 psf additional bottom chord live load in
areas with 42'-high x 24'-wide clearance
MMFRS loads based on trusses located at least 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 B, 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

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" ≥

12'-1" 8"

24'-3" 8" Over 2 Supports

12'-2" 0"

R=1098 U=49 W=3.5" (3.5 min)
RL=100/-107

R=967 U=29 W=3.5" (3.5 min)

PLT TYP Wave

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

12.03.04

QTY: 8 FL/-/4/-/-/R/-

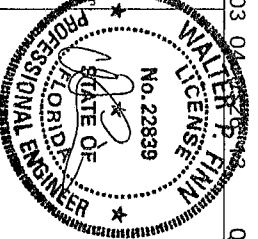
Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information on by TP1 and WTCA for safety and bracing details. Trusses shall be braced in accordance with the BCSI information. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any failure to build the truss in accordance with ANSI/TP1-1 or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the details. Decal is, unless noted otherwise, refer to drawings 180A-Z for standard plate positions. A seal on this drawing or cover page of this drawing and copies of drawings of professional engineering structure is the responsibility of the Building Designer per ANSI/TP1-1 Sec 2. For more information on this job's general notes page ITW BCG www.itwbcg.com TP1 www.tp1inc.org WTCA www.sbc-industry.com ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 67187
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HOURS9114 14024146
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT. LD.	37.0 PSF	SEQN-	345977
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

(14-011--BRYAN ZECHER /Jim & Karen Lewis Remodel -- Lake City, FL - AGE 24 3 Special)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Stack Chord SC1 2x4 SP #1-13B Stack Chord SC2 2x4 SP #1-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

See DWGS A12015ENC100212, GBLLETT100212, & GABRST100212 for more
requirements

Stacked top chord must NOT be notched or cut in area (NML) Dropped
top chord braced at 24" o c intervals Attach stacked top chord (SC)
to dropped top chord in 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

120 mph wind, 15'00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC
DL=5.0 psf GCpl(+/-)=0.18

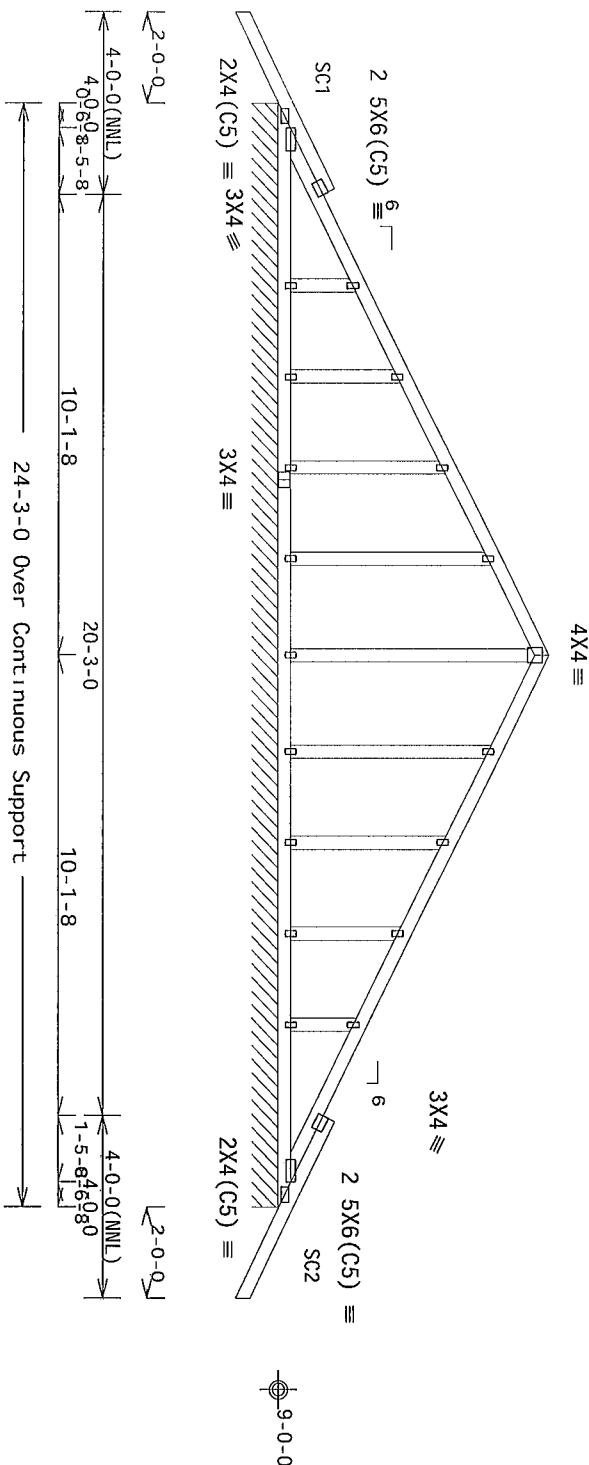
Wind loads and reactions based on MMFRS with additional C&C member
design

Truss spaced at 24" o c designed to support 2-3-0 top chord
outlookers Cladding load shall not exceed 10.00 PSF Top chord must
not be cut or notched

In lieu of structural panels use purlins to brace TC @ 24" o c

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=191 PLF U=24 PLF W=24-3-0
RL=11/-11 PLF

Note All Plates Are 1 5X3 Except As Shown.

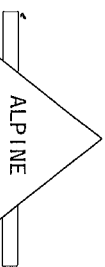
Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP Wave

12.03.04

QTY: 1 FL/-/4/-/-/R/-

Scale = .25"/Ft.



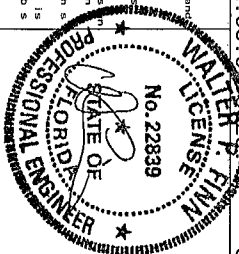
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

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 TP1 and WTCA for safety
and bracing requirements. Trusses shall be braced in accordance with the BCSI (Building Component Safety)
Information by TP1 and WTCA. Trusses shall have a properly attached structural sheathing and bottom chord
shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
any failure to build the trusses in conformance with the ANSI/TP1 1 or for handling, shipping, installation
bracing or trusses. Apply plates to each face of trusses and posts on as shown above and on the joint.
Details, unless noted otherwise, shall be in accordance with the ITWBCG standard detail specifications.
The suitability and use of this design for any structure is
the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see
the general notes page ITW-BCG www.itwbcg.com TP1 www.tp1.net org WTCA www.sbc industry.com
This job is
ICC www.ccsafe.org



01/24/2014

TC LL	20.0 PSF	REF	R9114- 67188
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCSR9114 14024147
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT. LD.	37.0 PSF	SEQN-	346111
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, 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

Bottom chord checked for 10 00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15 00 ft from roof edge

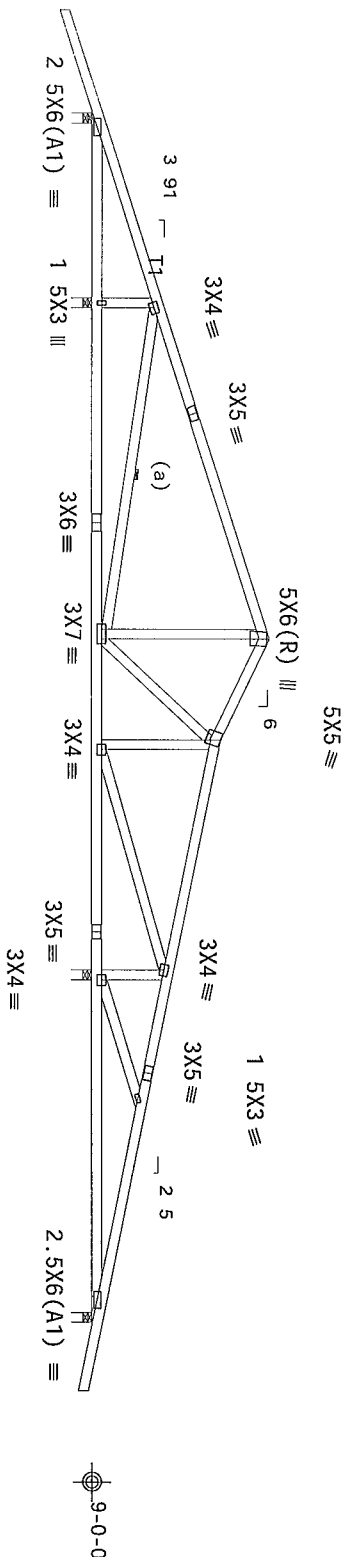


Diagram showing the elevation view of a bridge deck with the following dimensions and support locations:

- Span 1: 5-5-0
- Span 2: 15-4-15
- Span 3: 20-0-0
- Span 4: 2-1-8
- Span 5: 17-0-9
- Span 6: 10-0-0
- Span 7: 2-0-0
- Supports: 35-5-0 Over 4 Supports
- Dimensions:
 - R=395 U=49 W=3 5" (3 5" min)
 - R=989 U=0 W=3 5" (3 5" min)
 - R=1206 U=0 W=3 5" (3 5" min)
 - R=432 U=52 W=3 5" (3 5" min)

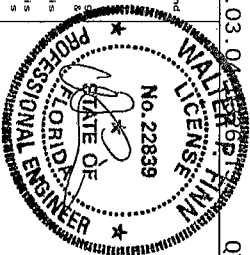
Scale = .1875"/Ft.

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

23

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278



TC LL	20.0 PSF	REF	R9114- 67189
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCSR9114 14024148
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT LD	37.0 PSF	SEQN-	26918
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

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

-13B

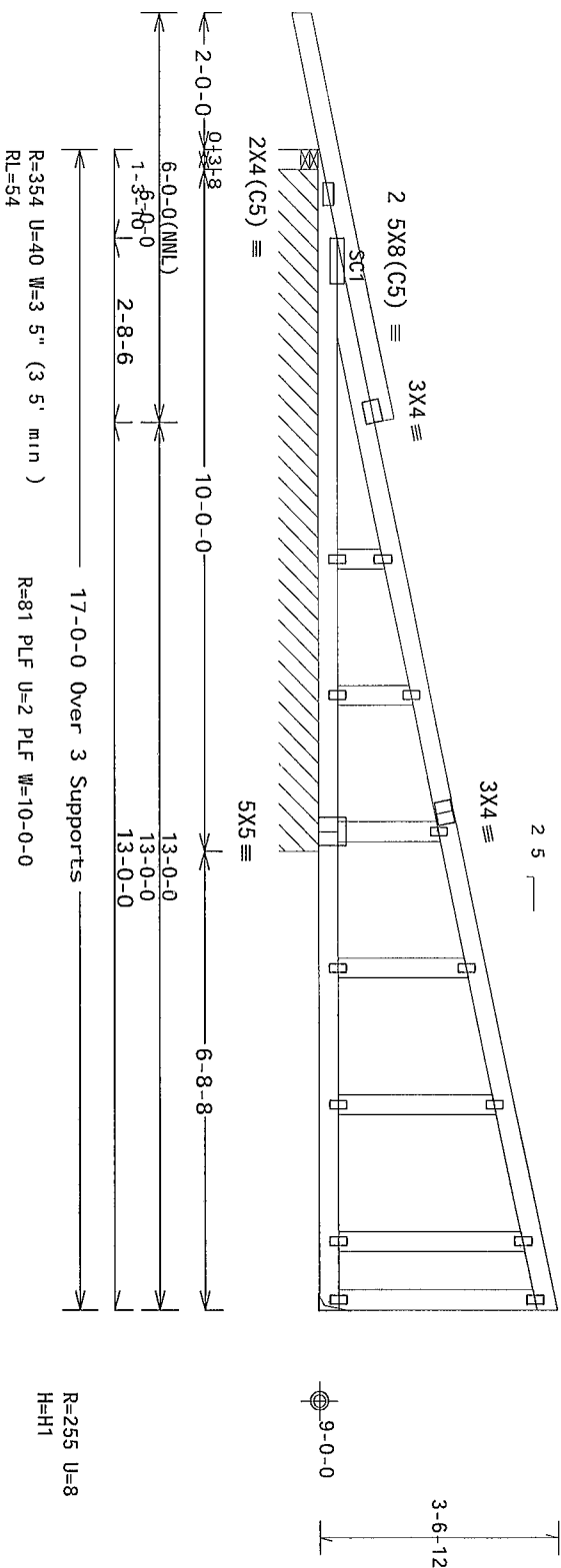
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

Truss spaced at 24 0 0C designed to support 0.6-0 top chord
outlookers Cladding load shall not exceed 10 00 PSF Top chord must
not be cut or notched

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

These hangers and support conditions used at bearings indicated

(H1) = Simpson
(H2) = (J) Hanger not calculated



Note All Plates Are 1 5X3 Except As Shown

Design Crit.: FBC2010Res/TP1-2007(STD)

PLT TYP Wave

12.03.04 17:38 C

QTY:1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

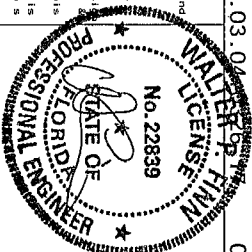
••IMPORTANT••
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

[illegible]

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



1 FL/-/4/-/-/R/-		Scale = .375"/Ft.
TC LL	20.0 PSF	REF R9114- 67190
TC DL	7.0 PSF	DATE 01/24/14
BC DL	10.0 PSF	DRW HCU8R9114 14024149
BC LL	0.0 PSF	HC-ENG JB/WMPF
TOT.LD.	37.0 PSF	SEQN- 26170
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V3B487_Z01

(14-011--BRYAN ZECHER /Jim & Karen Lewis Remodel -- Lake City, FL - CJ1 1 Jack)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B

Lumber grades designated with '13B" use design values approved
1/30/2013 by ALSC

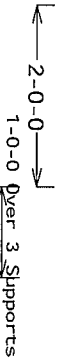
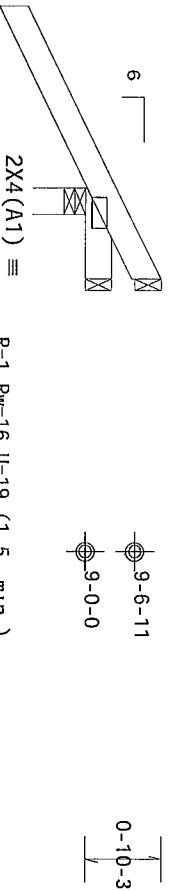
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf 6CPI(+/-)=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=98 Rw=31 U=65 (1 5" min)



R=326 U=57 W=3 501" (3 501" min)
RL=24/-20

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

PLT TYP Wave

QTY:2 FL/-/4/-/-/R/-

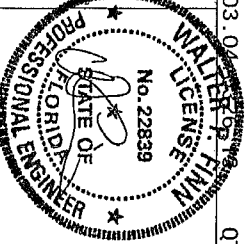
Scale =.5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating handling shipping installing and bracing. Refer to and
follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety
practice per or to performing these functions. Installers shall provide temporary bracing per BCSI
and shall have a properly attached rigid tie line. Trusses shall be braced in all directions. Trusses
shall have bracing installed per BCSI section 83 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any action from this design
any failure to build the trusses in conformance with ANSI/TP1-1 or for handling, installing, or bracing of
bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint
Details unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on this
drawing or cover page of this drawing and carries acceptance of professional engineering and sealing
drawing and the responsibility of the Building Designer per ANSI/TP1-1 Section 2. For more information on
general notes page ITW-BCG www.itwbcg.com TPI www.tpi.net.org WTCA www.sbc-industry.com
ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 67191
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCSR9114 14024150
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT.LD.	37.0 PSF	SEQN-	346230
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_201

(14-011--BRYAN ZECHER /Jim & Karen Lewis Remodel -- Lake City, FL - CJ3 3 Jack)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B

Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

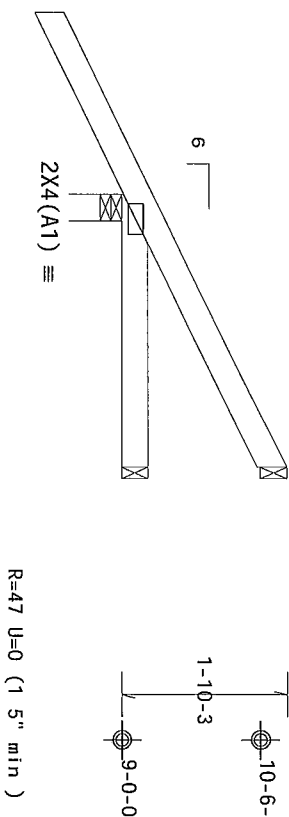
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCPI(+/-)=0 18

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

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50

R=44 U=10 (1 5' min)



R=288 U=23 W=3 501" (3 501' min)
RL=41/-24

PLT TYP Wave

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

12.03.04

QTY:2 FL/-/4/-/-/R/-

Scale =.5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET!

Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCS (Building Component Safety) Information by TPI and WTC (WTC) for safety and proper use of the trusses. Trusses shall be installed in accordance with the instructions provided in the BCS. Trusses shall have a properly attached field ceiling. Locations shown for permanent lateral bracing of webs shall have bracing installed per BCS section B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or construction of the trusses. The trusses shall be installed in accordance with the instructions provided in the BCS. Trusses shall have a properly attached field ceiling. Locations shown for permanent lateral bracing of webs shall have bracing installed per BCS section B3, B7 or B10, as applicable. Refer to and follow the latest edition of BCS (Building Component Safety) Information by TPI and WTC (WTC) for safety and proper use of the trusses. Trusses shall be installed in accordance with the instructions provided in the BCS. Trusses shall have a properly attached field ceiling. Locations shown for permanent lateral bracing of webs shall have bracing installed per BCS section B3, B7 or B10, as applicable.



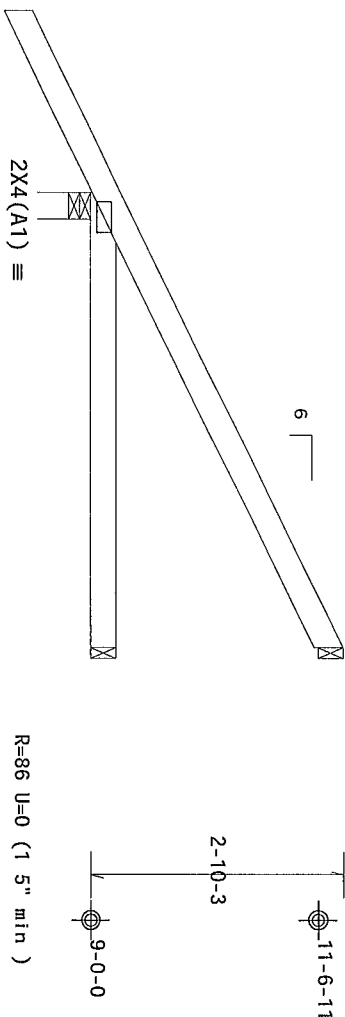
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TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024151
BC LL	0.0 PSF	HC-ENG	JB/MPF
TOT LD	37.0 PSF	SEQN-	346234
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

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

Lumber grades designated with '13B use design values approved 1/30/2013 by ALSC

Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf $G C_p (+/-) = 0.18$



5-0-0 Over 3 Supports

PLT Typ	Wave	Design Crit	FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)
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12.03.04 0326 13

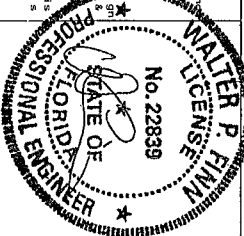
QTY:2 FL/-/4/-/-/R/-

Scale = .5"/Ft.

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

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



01/24/2014

TC LL	20.0 PSF	REF	R9114- 67193
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024152
BC LL	0.0 PSF	HC-ENG	JB/WJPF
TOT LD	37.0 PSF	SEQN-	346228
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

(14-011--BRYAN ZECHER /Jim & Karen Lewis Remodel -- Lake City, FL - EJ7 7 End Jack)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B

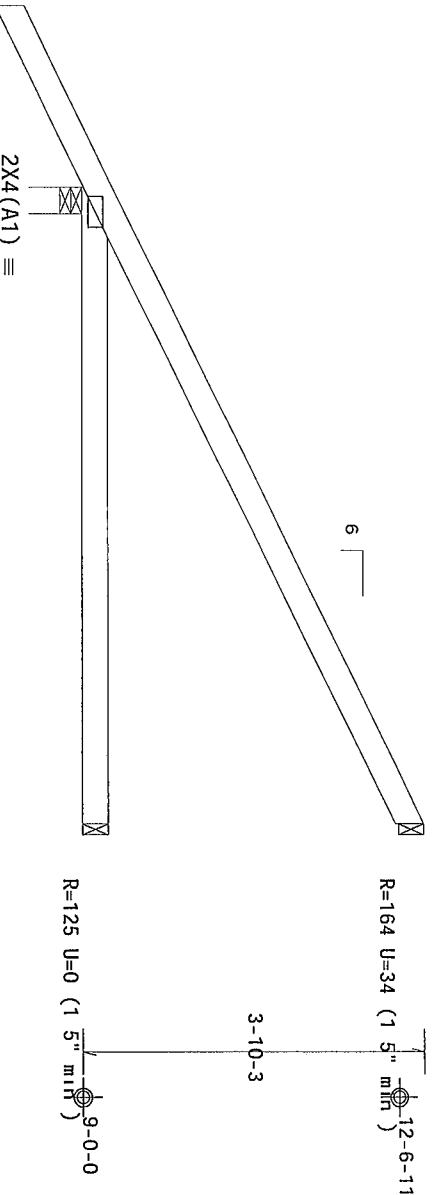
Lumber grades designated with '13B' use design values approved
1/30/2013 by ALSC

Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf 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



2-0-0
7-0-0 Over 3 Supports
R=411 U=14 W=3 5" (3 5' min)
RL=74/-31

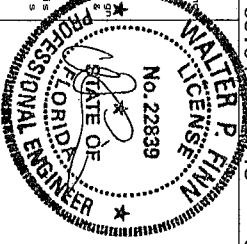
PLT TYP Wave
Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12 03 04 0326 13

QTY:9 FL/-/4/-/-/R/-

Scale =.5"/Ft.

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCS (Building Component Safety) Information by TP1 and WDCA for safety and bracing details. Trusses shall be braced in accordance with the BCS (Building Component Safety) Information by TP1 and WDCA. Trusses shall have a properly attached rafter gable end. Locate one shown for permanent lateral restraint of wind. Trusses shall have bracing installed per BCS section B3, B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details or any failure to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and post on as shown above and on the Joist details unless noted otherwise. Refer to drawings 1804-2 for standard plate positions. A seal on the bottom chord of the truss shall be provided. The seal shall be applied to the bottom chord of the truss. The responsibility of the Building Designer per ANSI/TP1-1 Section 2. For more information see the general notes page ITW-BCG www.itwbcg.com TP1 www.tp1.net.org WDCA www.wdcadirect.com This job is ICC www.iccsafe.org



ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278

TC LL	20.0 PSF	REF R9114- 67194
TC DL	7.0 PSF	DATE 01/24/14
BC DL	10.0 PSF	DRW HCUR9114 14024153
BC LL	0.0 PSF	HC-ENG JB/WPF
TOT LD	37.0 PSF	SEQN- 346261
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V3B487_Z01

01/24/2014

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B W6 2x4 SP #2-13B
Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located
anywhere in roof RISK CAT II, Exp B, wind TC DL=3.5 psf wind BC
DL=5.0 psf GCpl(+/-)=0.18

Wind loads and reactions based on MMFRS

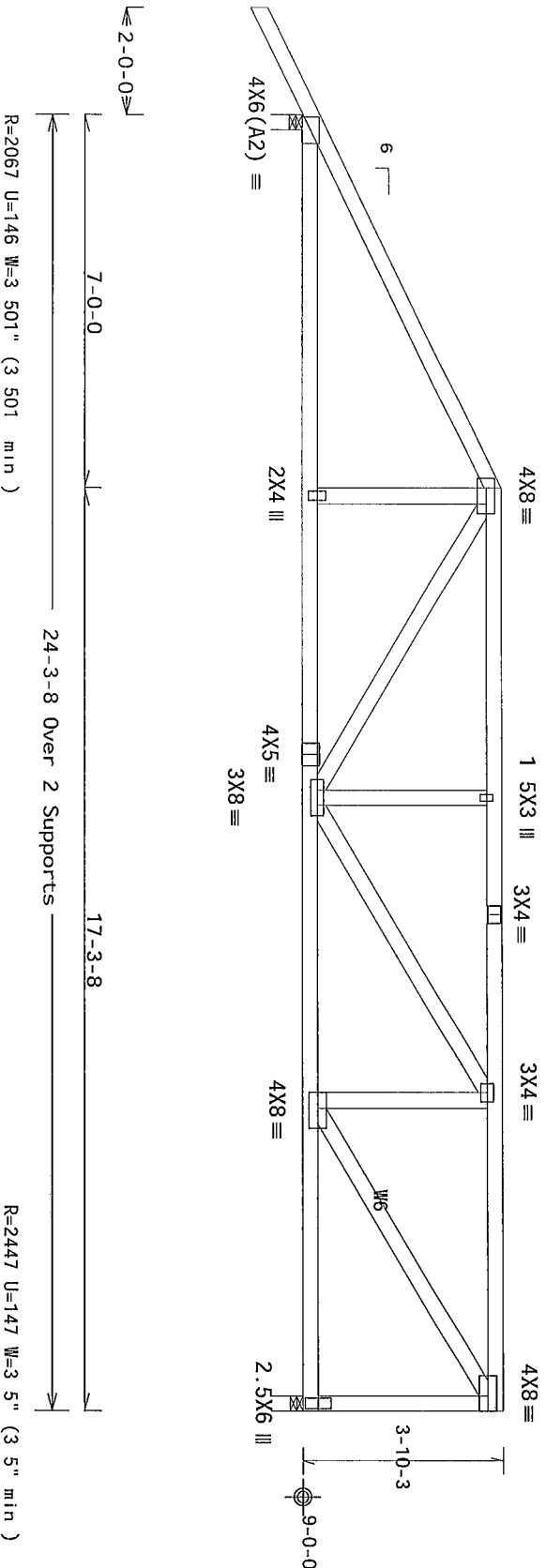
In lieu of structural panels use purlins to brace all flat TC @ 24'
OC

Bottom chord checked for 10 00 psf non-concurrent live load

Special loads	
-----Lumber Dur 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 24.29
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 24.29
TC- 227 74 lb Conc	Load at 7.03
TC- 163 56 lb Conc	Load at 9.06, 11.06, 13.06, 15.06
TC- 417 92 lb Conc	Load at 7.03
BC- 417 92 lb Conc	Load at 9.06, 11.06, 13.06, 15.06
BC- 125 00 lb Conc	Load at 9.06, 11.06, 13.06, 15.06
BC- 125 00 lb Conc	Load at 9.06, 11.06, 13.06, 15.06
BC- 255 44 lb Conc	Load at 24.06

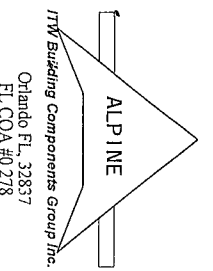
Right end vertical not exposed to wind pressure

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

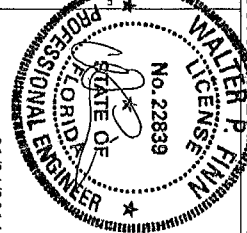


PLT TYP Wave Design Crit FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)

12 03 04 2014 QTY: 1 FL/-/4/-/7/- Scale = .3125"/Ft



IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONSTRUCTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and
follow the manufacturer's instructions for all components. Do not alter or modify any component or
connection without the manufacturer's written approval. Do not use any component or connection
unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord
shall have a properly attached rigid ceiling. Locate one shown for permanent lateral restraint of webs.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
or for any damage to property or persons caused by the use of this design. The manufacturer's liability
shall be limited to the replacement of the truss or the replacement of the components and the replacement
of the bracing. The manufacturer's liability shall not extend to the replacement of the structure or the
replacement of the foundation. The manufacturer's liability shall not extend to the replacement of the
drawing or the replacement of the design. The manufacturer's liability shall not extend to the replacement
of the general notes page. ITW BCG www.itwbcg.com TP1 www.tp1net.org WTCA www.sbcindustry.com
ICC www.iccsafe.org



TC LL	20.0 PSF	REF	R0114- 67195
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCUSR9114 14024154
BC LL	0.0 PSF	HC-ENG	JB/WPF
TOT. LD.	37.0 PSF	SEQN-	26173
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

01/24/2014

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP 2850F-2 3E
Webs 2x4 SP #3-13B

Lumber grades designated with "13B use design values approved
1/30/2013 by ALSC

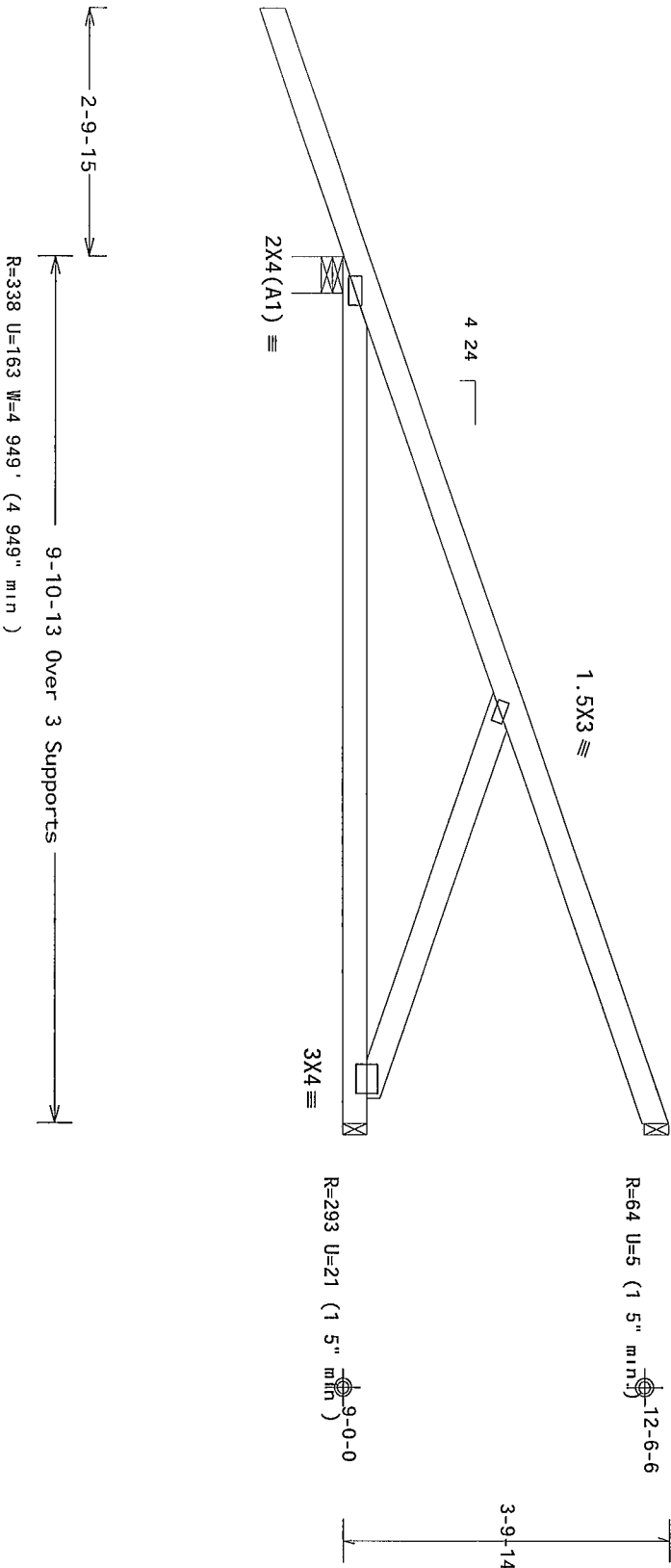
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof RISK CAT II EXP B, wind TC DL=5 5 psf, wind BC
DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MMFRS

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 pif at -2 83 to 55 pif at 0 00	
TC- From	2 pif at 0 00 to 2 pif at 9 90	
BC- From	0 pif at -2 83 to 4 pif at 0 00	
BC- From	2 pif at 0 00 to 2 pif at 9 90	
TC- -63 44 lb Conc	Load at 1 48	
TC- 87 81 lb Conc	Load at 4 31	
TC- 215 62 lb Conc	Load at 7 13	
BC- 1 08 lb Conc	Load at 1 48	
BC- 93 03 lb Conc	Load at 4 31	
BC- 172 84 lb Conc	Load at 7 13	

Deflection meets L/240 live and L/180 total load Creep increase
Factor for dead load is 1 50



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

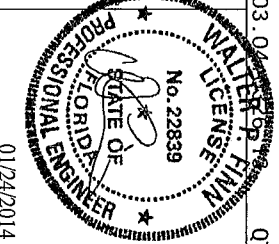
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

Trusses require extreme care in fabricating, handling, installing and bracing. Refer to and follow the instructions of the manufacturer (e.g., building component safety information by TP1 and WTCA) for safety practices. All trusses shall be properly braced and supported. Trusses shall have a properly attached and secured ceiling. Locate one shown for permanent lateral restraint of webs. Trusses shall have bracing installed per BCSI section 83 87 or 810 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 the manufacturer's instructions. A seal on this design shall be provided by the manufacturer. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec 2. For more information see general notes page ITW-BCG www.itwbcg.com TP1 www.tp1inst.org WTCA www.sbcindustry.com This job is ICC www.iccsafe.org

ALPINE

ITW Building Components Group Inc.
Orlando FL, 32837
FL COA #0 278



QTY: 1		FL/-/4/-/-/R/-		Scale = .5"/Ft.	
TC LL	20.0 PSF	REF	R9114- 67196		
TC DL	7.0 PSF	DATE	01/24/14		
BC DL	10.0 PSF	DRW	HCSR9114 14024155		
BC LL	0.0 PSF	HC-ENG	JB/WMP		
TOT. LD.	37.0 PSF	SEQN-	346263		
DUR. FAC.	1.25				
SPACING	24.0"	JREF-	1V3B487_Z01		

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

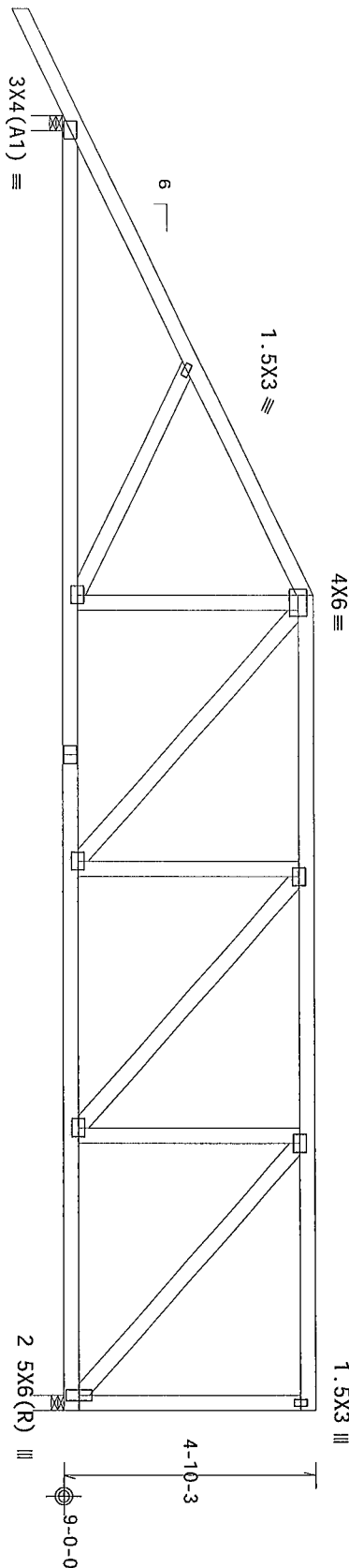
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

Right end vertical not exposed to wind pressure

Bottom chord checked for 10 00 psf non-concurrent live load

MNFRS loads based on trusses located at least 7 50 ft from roof edge



2-0-0

9-0-0

24-3-8 Over 2 Supports

15-3-8

R=1050 U=46 W=3 5" (3 5' min)
RL=91/-35

R=908 U=46 W=3 5" (3 5" min.)

Note All Plates Are 3X4 Except As Shown

Design Crit FBC2010Res/TP1-2007(STD)

PLT TYP Wave

12.03 04 23 26 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 104

QTY:1 FL/-/4/-/-/R/-

Scale = .3125"/Ft.

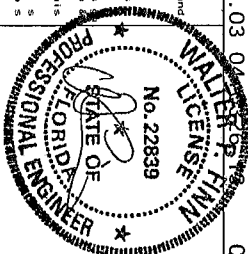
ALPINE

ITW Building Components Group Inc

Orlando FL, 32837
FL COA #0278

REMARKS: FURNISH THIS DECISION TO ALL CONTRACTORS INCLUDING INSTANT CONTRACTOR.

Those who are concerned about the safety of the ship's hull and the safety of the crew, the Coast Guard has issued a notice of proposed rulemaking (NPRM) to require that all ships of 100 gross tons or more have a permanent lateral restraint on the hull. The NPRM is part of the Coast Guard's ongoing effort to improve the safety of the ship's hull and the safety of the crew. The NPRM is part of the Coast Guard's ongoing effort to improve the safety of the ship's hull and the safety of the crew. The NPRM is part of the Coast Guard's ongoing effort to improve the safety of the ship's hull and the safety of the crew.

[illegible]

FL/-/4/-/-/R/-		Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R9114- 67197
TC DL	7.0 PSF	DATE 01/24/14
BC DL	10.0 PSF	DRW H0USER114 14024156
BC LL	0.0 PSF	HC-ENG JB/WMPF
TOT LD.	37.0 PSF	SEQN- 345979
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V3B487_Z01

(14-071--BRYAN ZECHER /Jim & Karen Lewis Remodel -- Lake City, FL - H11 24 3'8 Mono Hip)

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

Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B

Lumber grades designated with '13B" use design values approved
1/30/2013 by ALSC

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

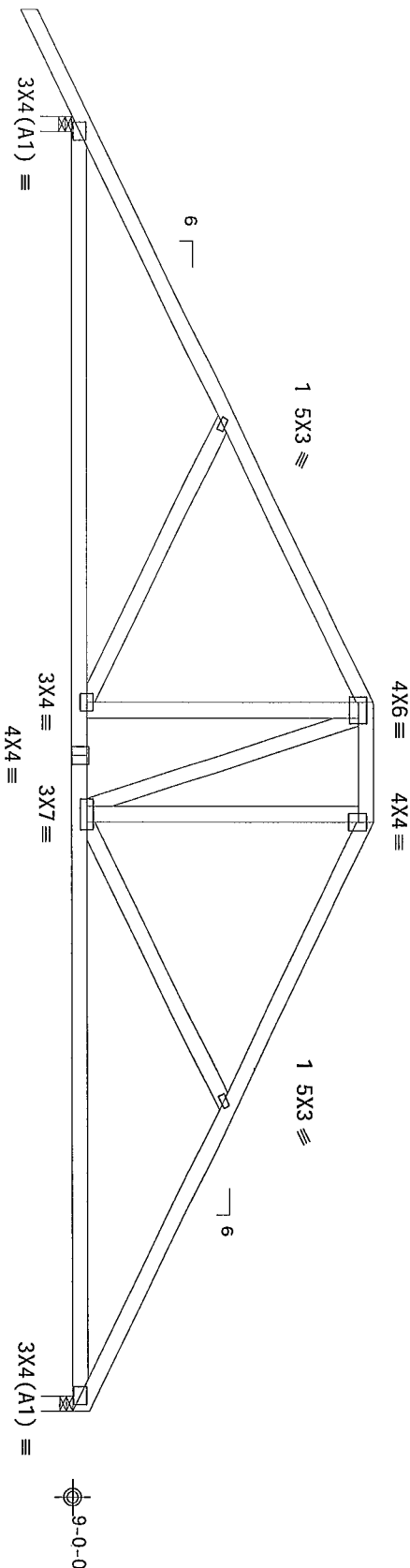
MMFRS loads based on trusses located at least 7 50 ft from roof edge

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 B, wind TC DL=3 5 psf,
wind BC DL=5 0 psf 6Cpl(+/-)=0.18

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

Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load Creep increase
factor for dead load is 1 50



≤ 2-0-0 ≥

11-0-0

2-3-0

11-0-8

24-3-8 Over 2 Supports

R=1045 U=50 W=3 5" (3 5" min)
RL=92/-99

R=913 U=30 W=3 5" (3 5" min.)

PLT TYP Wave

Design Crit FBC2010Res/TP1-2007 (STD)

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

12.03.04

QTY: 1 FL/-/4/-/-/R/-

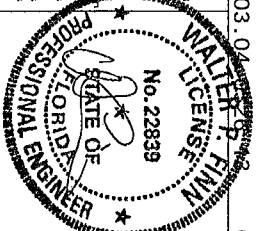
Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and
follow the instructions on the truss manufacturer's literature. Trusses shall be installed by a qualified
person prior to performing these functions. Installers shall provide temporary bracing per BCSI
literature noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs
shall have bracing installed per BCSI section 83 B7 or B10 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any device or from this design
any failure to build the truss in conformance with ANSI/TP1 1 or for handling, shipping, installing or
bracing of trusses. Apply plates to each face of truss and post on as shown above and on the Joist
to the truss. Do not use any other device or method to brace the truss. Do not use any other device or
method to brace the truss. Do not use any other device or method to brace the truss. Do not use any
other device or method to brace the truss. Do not use any other device or method to brace the truss.
The responsibility of the Building Designer per ANSI/TP1 1 Sec 2 For more information see
the general notes page 1TW-BCG www.ltwbcg.com TP1 www.tp1.net.org WCA www.sbc industry.com This job is
ICC www.iccinfo.org



TC LL	20.0 PSF	REF R9114- 67198
TC DL	7.0 PSF	DATE 01/24/14
BC DL	10.0 PSF	DRW HCUR9114 14024157
BC LL	0.0 PSF	HC-ENG JB/WMP
TOT LD	37.0 PSF	SEQN- 345961
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1V3B487_Z01

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

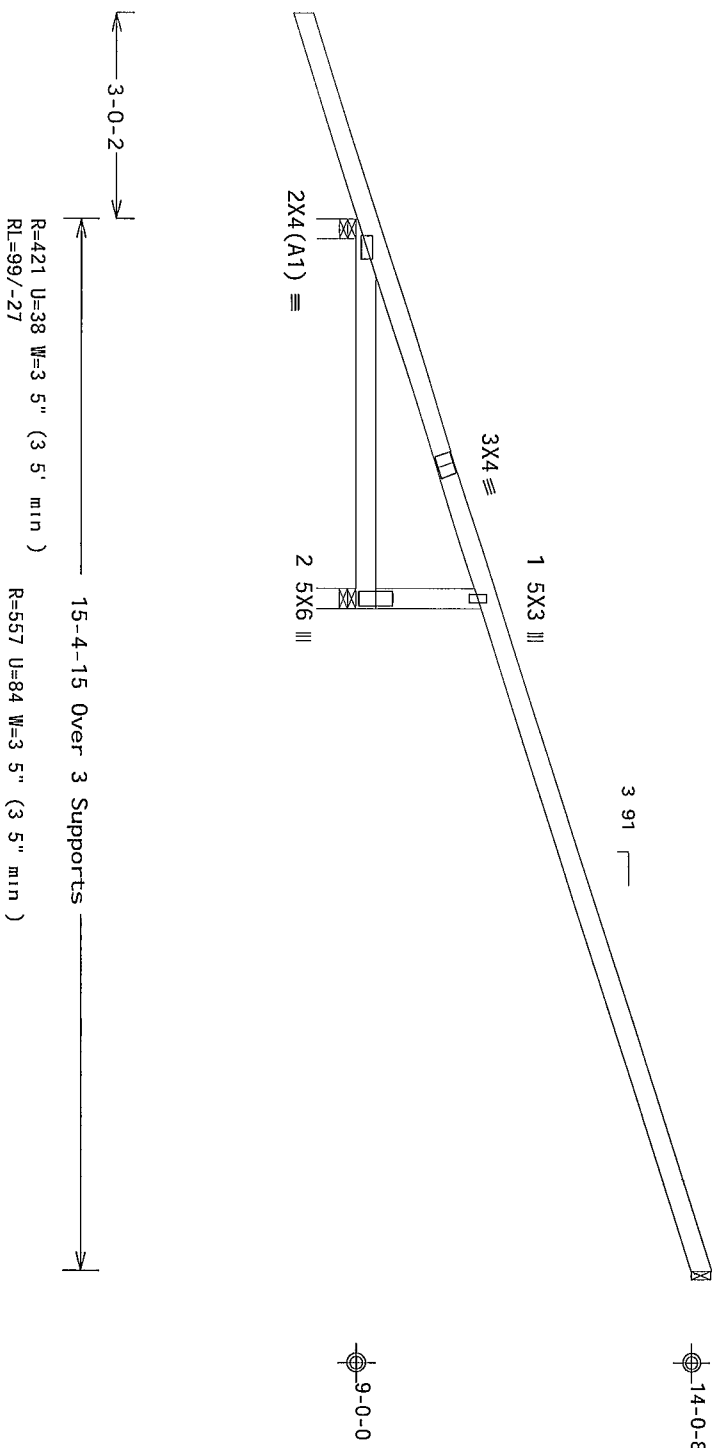
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC
DL=5 0 psf GCPI(+/-)=0 18

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

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

factor for dead load is 1.50

R=218 U=44 (1 5" min)



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

QTY: 10 FL/-/4/-/-/R/-

Scale = .375"/Ft.

ALPINE

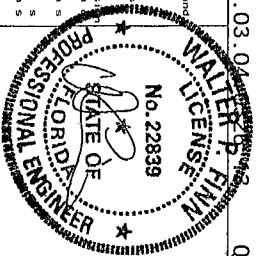
ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Tension required across cable in fabricating and handling and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information on safety practices noted or to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webbs shall have bracing installed per BCSI sections 83, 87 or 810 as applicable.

any by **Idling Copeland's Group Inc.** (**ITWBCG**) shall not be responsible for any debt or from this debt
any I have to build the trusts, in conformance w/ the ANS1/TPI 1 or for handling slip ring metallization,
bearing of trustees. Apply places to each face of trust and post it on as shown above and on the Joint
Basis are unless noted otherwise. Refer to drawing nos. 1860-2 for standard plate positions. A total on this
responsibility solely for the design shown. The sub title and use of this is a deviation for any structures
general notice page **ITW BCG** www.itwbcg.com per **ANSI/TPI 1 Sec 2** For more information on see Th.s job s
CC www.lecable.org **WTCA** www.theindustry.com **TPI**



TC LL	20.0 PSF	REF	R9114 - 67199
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCU8R9114 14024158
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT LD	37 0 PSF	SEQN-	26909
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=5 psf, wind BC
DL=5 0 psf GCp1(+/-)=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



Scale = .375"/Ft.

ITW Building Components Group Inc

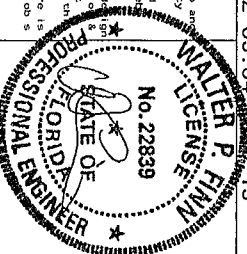
Orlando FL, 32837
FL COA #0278

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

These requirements are in addition to the existing requirements for the design, construction, and testing of the structure. The structure shall be designed to meet the following requirements:

- The structure shall be designed to meet the requirements of the applicable building code.
- The structure shall be designed to meet the requirements of the applicable fire code.
- The structure shall be designed to meet the requirements of the applicable seismic code.
- The structure shall be designed to meet the requirements of the applicable wind code.
- The structure shall be designed to meet the requirements of the applicable flood code.
- The structure shall be designed to meet the requirements of the applicable snow load code.
- The structure shall be designed to meet the requirements of the applicable soil bearing capacity code.
- The structure shall be designed to meet the requirements of the applicable foundation code.
- The structure shall be designed to meet the requirements of the applicable structural steel code.
- The structure shall be designed to meet the requirements of the applicable concrete code.
- The structure shall be designed to meet the requirements of the applicable masonry code.
- The structure shall be designed to meet the requirements of the applicable wood code.
- The structure shall be designed to meet the requirements of the applicable glass code.
- The structure shall be designed to meet the requirements of the applicable plastic code.
- The structure shall be designed to meet the requirements of the applicable composite code.
- The structure shall be designed to meet the requirements of the applicable other code.

The structure shall be designed to meet the requirements of the applicable code.

[illegible]

TC LL	20.0 PSF	REF	R9114- 67200
TC DL	7.0 PSF	DATE	01/24/14
BC DL	10.0 PSF	DRW	HCSR9114 14024159
BC LL	0.0 PSF	HC-ENG	JB/WMP
TOT LD	37.0 PSF	SEQN-	26914
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1V3B487_Z01

Dr	100	Wind Speed	15	Mean Height, Partially Enclosed, Exposure C	K _{zt} = 1.00
Dr	100	Wind Speed	15	Mean Height, Enclosed, Exposure D, K _{zt} = 1.00	

Bracing Group Species and Grades:

Group A

Sorce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Douglas Fir-Larch

#3
Stud
Standard

Southern Pine***

#3
Stud
Standard

Group B

Hem-Fir	
#1 & 3Tr	
#1	

Douglas Fir-Larch

#1
#2

Southern Pine***

#1
#2

1x4 Braces shall be SR3 (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial S5 or Industrial 4S Stress-Rated Boards. Group B values may be used with these grades.

Provide uplift connections for 35 plf over continuous bearing (5 psf TC dead load). Wind Load detection criterion is L/240.

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

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

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

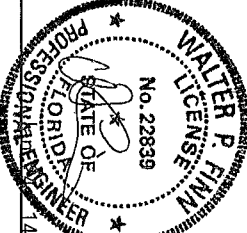
For (2) 1" braces: space nails at 3' o.c. in 18" end zones and 4' o.c. between zones.

1" bracing must be a minimum of 80% of web in 18" end zones and 6" o.c. between zones.

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

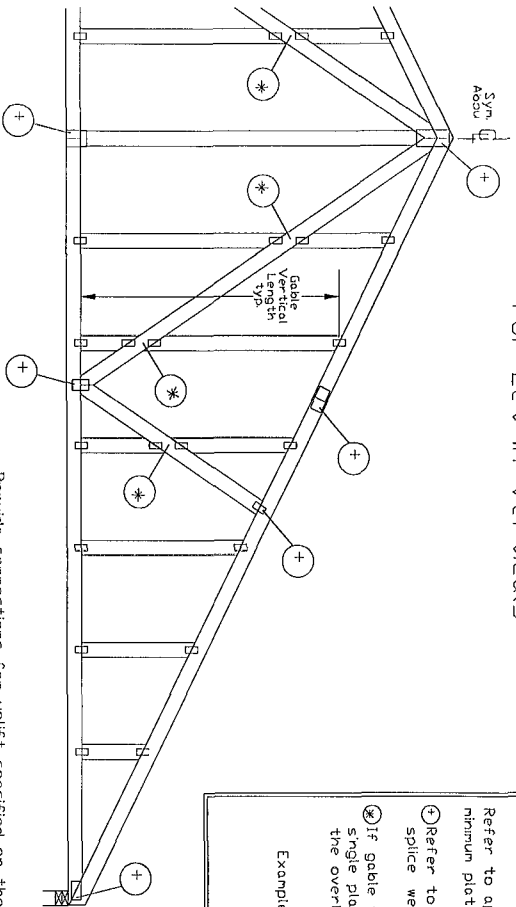


In cases requiring extreme care in fabricating, installing, shipping, unloading and erecting, refer to and follow the latest edition of BCSI (Building Components Safety Information) by IPI and ULTRA for assembly procedures prior to performing these functions. Installations shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have protectors attached structural steel shape and bottom chord shall have properly attached roof ceiling. Locations shown for permanent lateral resistants or webs shall have bracing installed per BCSI sections 33, 37 or 310, as applicable. Apply plates to each end of truss and purlins as shown above and on the Joint Details unless noted otherwise. Refer to drawings ISM-2 for standard plate positions.



Earth City MO 6304

Gable Detail For Let-in Verticals

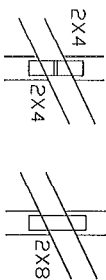


Gable Truss Plate Sizes

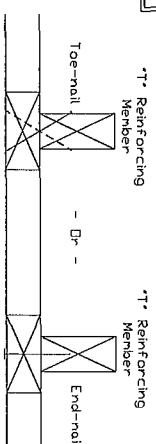
Refer to appropriate ITV gable detail for minimum plate sizes for vertical studs.

- ⊕ Refer to Engineered truss design for peak splice web and heel plates
- ⊗ If gable vertical plates overlap use a single plate that covers the total area of the overlapped plates to span the web.

Example



T Reinforcement Attachment Detail



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

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

T reinforcing member material must match size, species, and grade of the 'L' reinforcing member

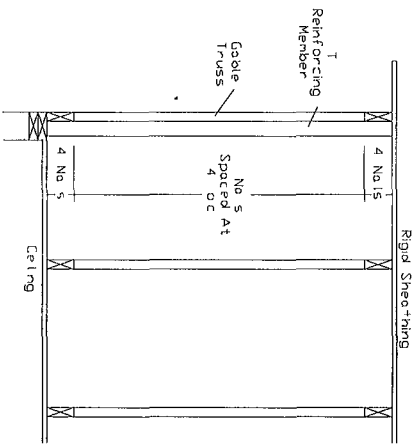
Web Length Increase w/ '*T*' Brace

T Reinf	*T*
Member Size	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
130 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 ITV gable detail for ASCE wind load



See appropriate ITV gable detail for maximum unreinforced gable vertical length.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

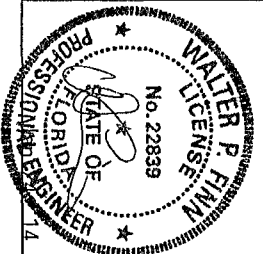
*IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and VITA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI practices noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI practices. Trusses shall be installed in accordance with each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 1504-2 for standard plate positions.

ITV Building Components Group Inc. shall not be responsible for any deviation from the drawing or failure to build the truss in conformance with ANSI/P1.1 or for handling, shipping, installation & bracing of trusses. 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 drawing for any other purpose is the responsibility of the user. For more information see this job's general notes page and these drawing sites: J1VEG: www.itvbcg.com, TPI: www.tpiworld.org, VITA: www.vitaindustry.org, ICC: www.iccsafe.org



Building Components Group Inc

Earth City MO 63045



REF LET-IN VERT

DATE 2/16/12

DRWG GBLLETTIN0212

MAX TOT LD 60 PSF

DUR FAC ANY

MAX SPACING 24 0"

01/24/2014

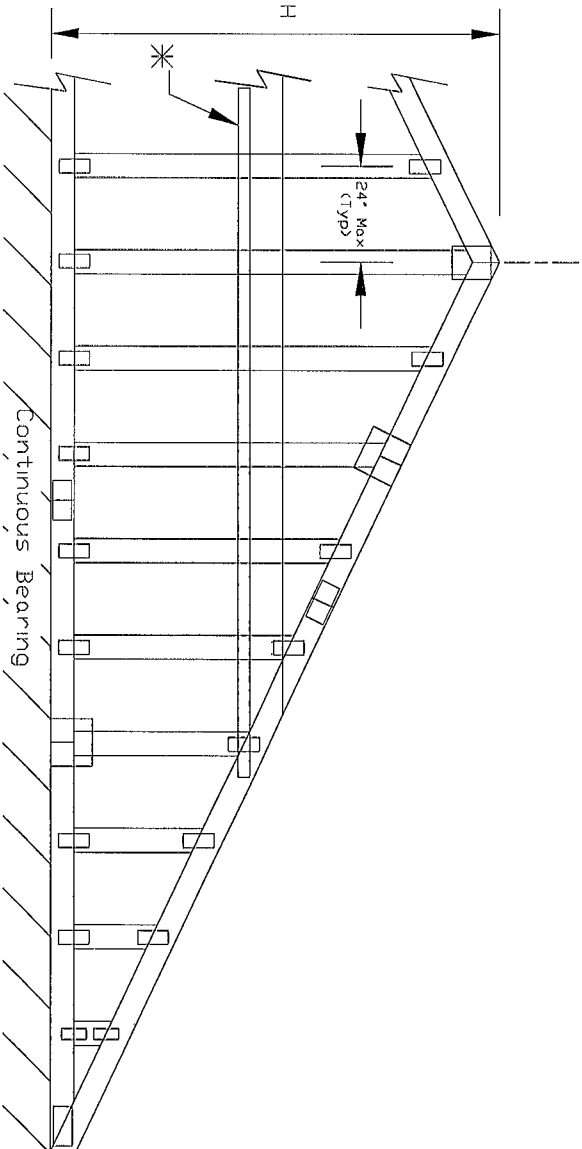
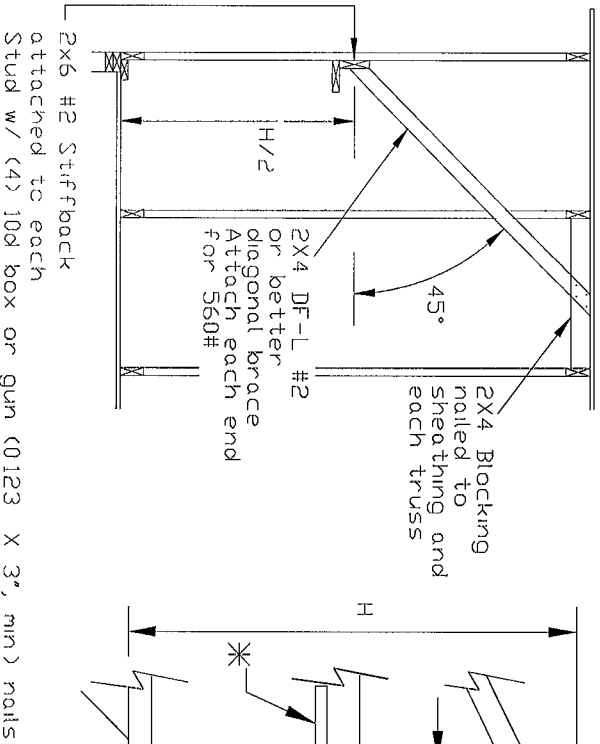
ASCE 7-10 120 mph, 30' Mean Height, Closed, Exposure C Common Residential Gable End Wind Bracing Requirements - Stiffeners

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=50 psf, Wind BC DL=50 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 (0128"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 A12030ENC100212)

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 A12030ENC100212)

* Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0128" x 3", min) nails @ 6" o.c



Building Components Group Inc.

Earth City, MO 63045

WARNING FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER

1. Trusses require extreme care in fabricating, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information by TPI and WCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall be followed. Trusses shall be braced in accordance with the details shown on each set of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

2. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2

3. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2

4. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2

5. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2

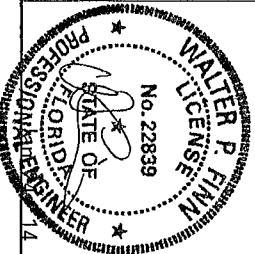
6. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2

7. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2

8. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2

9. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2

10. Building Components Group, Inc. shall not be responsible for any deviation from this drawing, any failure to build or install in accordance with this drawing, or any failure to follow the instructions of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1 Sect 2



REF	GE	WHALE
DATE	2/14/12	
DRWG	GABRST100212	
MAX TDT LD	60 PSF	
MAX SPACING		

01/24/2014

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a i-jcs design but an alternative web reinforcement method is desired

Notes

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or I-reinforcement or slab reinforcement

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

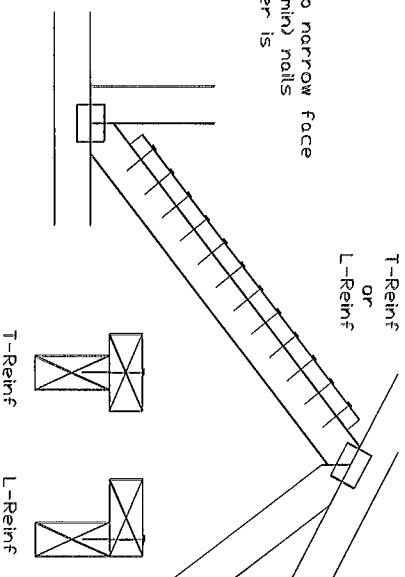
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf	Scab Reinf
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

I reinforcement 1 reinforcement, or scab reinforcement 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

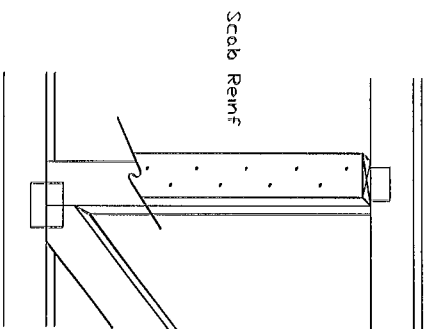
T-Reinforcement
or
L-Reinforcement

Apply to either side of web narrow face
Attoch with 10d (0.128"x30") nails
at 6" o.c Reinforcing member is
a minimum 80% of web
member length



Scab Reinforcement:

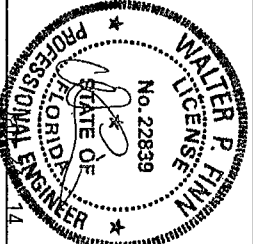
Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 5" o.c. Reinforcing member is a minimum 80% of web member length.



Building Components Group Inc.

Earth City MO 63045

*******DISCLAIMER READ AND FOLLOE ALL NOTES ON THIS DRAWING*******
*******INSTANTANEOUSLY FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS*******
 TUBS require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions on the tubs and the tub hangers. The tub hangers are designed for the following practices prior to performing these functions. Installers shall provide temporary bracing per SBCI unless noted otherwise. No clump shall have properly attached structural steel and bottom chord. No steel have a properly attached roof ceiling. Locations shown for permanent lateral restraint or webs at truss and position as shown above and on the sheet. Bricks, unless noted otherwise, shall be placed to each face. Refer to drawings 1604-2 for standard plate positions.
 All Blading Components shall be installed with AISC J1, or for handling, shipping, bracing, and bracing of trusses.
 A seal on this drawing or cover page listing this drawing, indicates acceptance of this professional engineering responsibility solely for the design shown. The satisfactory use of this drawing on any day after the date of the design shall be the responsibility of the user. For more information see the job's general notes page and these web sites:
 ILLWACO web site: <http://www.illwaco.com> SBCI web site: <http://www.sbcinc.com> ICC web site: <http://www.iccsafe.org>



TC LL	PSF	REF	CLR Subst
TC DL	PSF	DATE	8/15/13
BC DL	PSF	DRWG	BRCB SUB0813
BC LL	PSF		
TOT LD	PSF		

DUR FAC
SPACING

01/24/2014