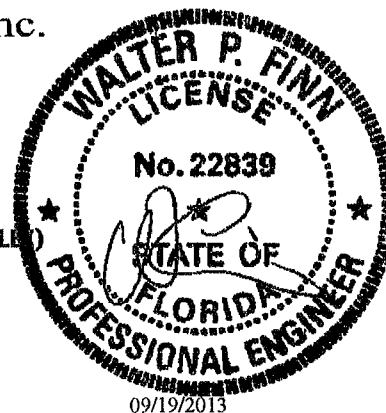


ITW Building Components Group, Inc.

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 1UZZS2327Z0119140627



Truss Fabricator **Duley Truss**
Job Identification. **L0866-84 LUMBER CASON/BRADLEY (L0866-84 LUMBER CASON/BRADLEY)**
Truss Count **34**
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 61615-31.003(5a) of the FAC**
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 140 MPH ASCE 7-10 -Closed

Notes

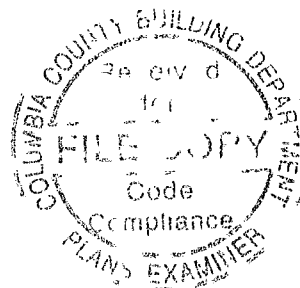
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR2327

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: 14015EC1-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	47198--T1		13262016	09/19/13
2	47199--T2		13262017	09/19/13
3	47200--T3		13262018	09/19/13
4	47201--T4		13262021	09/19/13
5	47202--T5		13262019	09/19/13
6	47203--T6		13262020	09/19/13
7	47204--T7		13262044	09/19/13
8	47205--T8		13262022	09/19/13
9	47206--T9		13262045	09/19/13
10	47207--T10		13262023	09/19/13
11	47208--T11		13262024	09/19/13
12	47209--T12		13262025	09/19/13
13	47210--T13		13262026	09/19/13
14	47211--T14		13262027	09/19/13
15	47212--T15		13262028	09/19/13
16	47213--T16		13262029	09/19/13
17	47214--T17		13262030	09/19/13
18	47215--T18		13262031	09/19/13
19	47216--T19		13262035	09/19/13
20	47217--T20		13262032	09/19/13
21	47218--T21		13262033	09/19/13
22	47219--T22		13262034	09/19/13
23	47220--T23		13262047	09/19/13
24	47221--T24		13262036	09/19/13
25	47222--T25		13262037	09/19/13
26	47223--T26		13262038	09/19/13
27	47224--T27		13262039	09/19/13
28	47225--T28		13262040	09/19/13
29	47226--T29		13262041	09/19/13
30	47227--T30		13262042	09/19/13
31	47228--T31		13262043	09/19/13
32	47229--T99		13262048	09/19/13
33	47230--T98		13262049	09/19/13
34	47231--DORMER		13262046	09/19/13



The diagram illustrates a gable roof truss system. Key components and labels include:

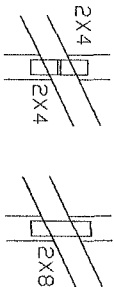
- Syn. T. About**: Located at the top right, indicating a synthetic timber joint or connection.
- Gable Vertical Leg**: A label with an arrow pointing to a vertical member on the right side of the truss.
- Examp.**: A label at the bottom right, likely referring to an example of a connection.
- Refer to a minimum plate**: A label at the bottom right, likely referring to a minimum plate requirement.
- Refer to splice we**: A label at the bottom right, likely referring to a splice web requirement.
- * If gable single plate over**: A label at the bottom right, likely referring to a single plate over requirement.
- +**: A symbol used to denote a specific connection or joint.
- ***: A symbol used to denote a specific connection or joint.

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

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

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

Example



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 must match size

specie and grade of the "L" reinforcing member

Web Length Increase w/ "T" Brace

T^* Refr	T^*
Mbr Size	Increase
Ex4	30 %

Example	CO %	CO
---------	------	----

ASCE 7-10 Wind Speed = 120 mph

Gable Vertical = 24'00 SP #3

T Reinforcing Member Size = 2x4

"T" Brace Increase (From Above) = 30% = 130

(1) 2×4 "L" Brace Length = 8' 7"

$$150 \times 87 = 13050$$

See appropriate ITW gable detail for maximum height of roof.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

■ IMPORTANT ■ FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

BN

Building Components Group Inc.

Building Components Group Inc.

Earth City MO 63045

ITV Building Components Group Inc. shall not be responsible for any deviation from their drawings or failure to build the system in conformance with ANSI/TPI-1, or for handling shipping, installation or professional engineering responsibility solely for the design designer. The suitability and use of drawing for any structure is the responsibility of the building designer per ANSI/TPI-1 Sec.2. For more information see this jobs general notes page and these web sites:
http://www.itvbuilding.com http://www.itvbldg.com http://www.schmidtsdwyer.com ICC www.iccsafe.org

A circular professional engineer seal for the State of Florida. The outer ring contains the text "FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom. In the center, the number "12549" is printed. A signature, "J. B. Smith", is written across the seal.

~~09/19/2013~~

REF LET-IN VERT

DATE 2/16/12

DRWG GBLLETIN0212

MAX TOT LD 60 PSF

DUR FAC ANY

MAX SPACING 240

Dr	120 mph	Wind Speed	15	Mean Height	Partially Enclosed	Exposure C	Kzt = 100
Dr	120 mph	Wind Speed	15	Mean Height	Enclosed	Exposure D, Kzt = 100	
Dr	100 mph	Wind Speed	15	Mean Height	Partially Enclosed	Exposure D	Kzt = 100

Branching Group Species and Grades

Group A

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

Douglas Fir-Larch

#3	
Stud	
Standard	

Group B

Hem-Fir	
#1 & Btr	#1

Southern Pine***

#3	
Stud	
Standard	

1x4 Species shall be SRB (Stress-Rated Board)

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

Wind Load deflection criterion is $L/240$.

Provide uplift connections for 55 psf over continuous bearing (3 psf TC Dead Load) 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 rule

Attach L' braces with 10d (0.125"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' braces 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



Building Components Group Inc.

Earth City MO 63045

09/19/2013

MAX TOT LD 60 PSF

MAX SPACING

REF ASCE7-10-GABI4015

DATE 2/14/12

DRWG A14015ENC100212

(L0866-84 LUMBER CASON/BRADLEY - DORMER)

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

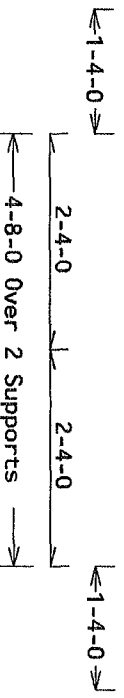
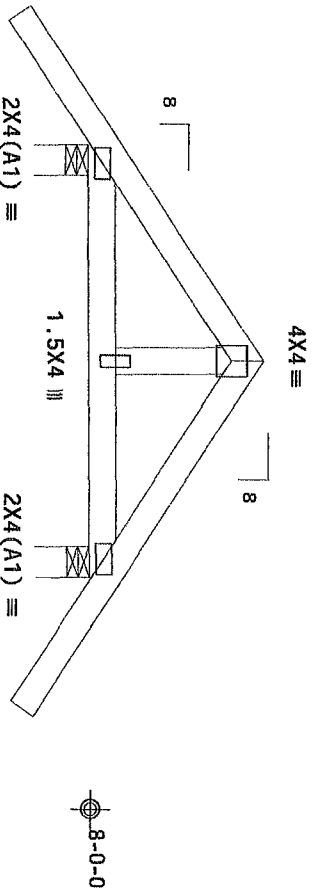
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCP(+/)=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.



R=266 U=35 W=4"
RL=75/-75

Design Crit: FBC2010Res/TP1-2007(STD)

PLT TYP. Wave

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

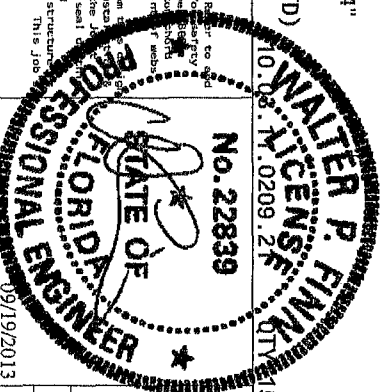
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions of BCS (Bridgeway Construction Systems) for proper installation. BCS will provide temporary bracing and bolting unless noted otherwise. Top chord shall have properly attached structural sheathing and bolting. BCS shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints. BCS shall have bracing installed per BCS sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure of trusses. Apply plates to each face of truss and position as shown above and on the job. BCS shall be responsible for the design and construction of the building. The contractor shall be responsible for the general notes page. ITWBCG www.itwbcg.com TP1 www.tp1net.org WTCA www.sheindustry.com This Job

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278



TC LL	20.0 PSF	REF	R2327- 47231
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HGSR2327 13262046
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672277
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZZS2327Z01

Scale = .5"/Ft.

(L0866-84 LUMBER CASON/BRADLEY - T98)

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

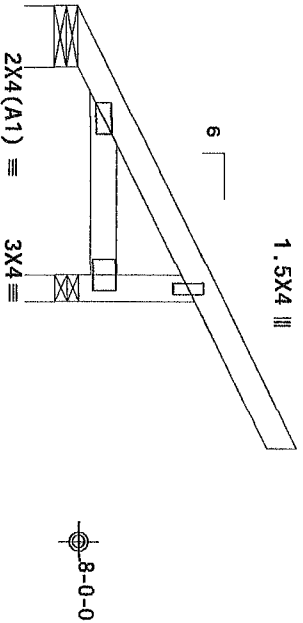
THIS DIAG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 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.

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



←1-7-0→
←4-9-5 Over 2 Supports →
R=79 U=0 W=8"
RL=62/-23 R=233 U=79 W=3.5"

PLT TYP. Wave Design Crit. FBC2010Res/TP1-2007(STD) FT/RT=20%(0%)/10(0)

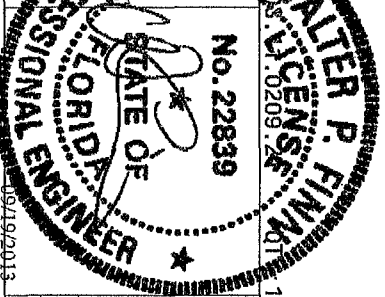
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses shall be erected in accordance with the manufacturer's instructions. Trusses shall be erected in accordance with the manufacturer's instructions. Trusses shall be erected in accordance with the manufacturer's instructions.

ALPINE

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

For more information see the general notes page (TR-800) www.trussing.com TPI www.trussing.com WTC www.trussing.com



1 FL/-/2/-/-/R/-		Scale = .5"/Ft.	
TC LL	20.0 PSF	REF	R2327 - 47230
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262049
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672276
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

THIS NEW RESEARCH FROM COGNITIVE IMPACT (1) AND 2 (DIMENSIONS) SUBMITTED BY TRIPS WEB

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

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



Scale = .5"/Ft.

#100000

No. 22839

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● 2010年10月1日起，凡在境内销售货物或提供应税劳务、服务、无形资产、不动产的单位和个人，均应按照《增值税暂行条例》及其实施细则的有关规定缴纳增值税。

5/10/11

70

SECRET

Abstract

STATE OF
FLORIDA
SIGNAL ENGINEER

TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUS2327 13262048
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672275
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF -	1UZS2327Z01

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

See DIMGS A14015ENC100212 & GBLETT1N0212 for more requirements

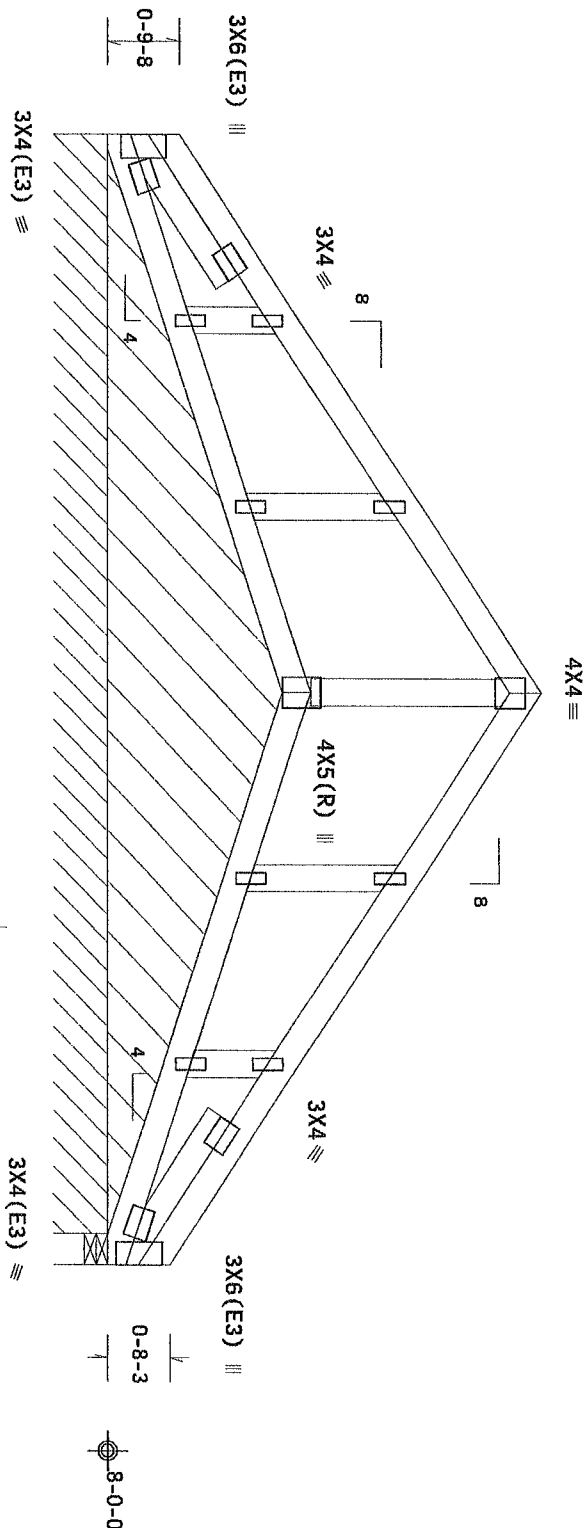
Deflection meets L/360 live and L/240 total load. Creep increases factor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, Gdpl(+/-)=0.18

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

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 2.00 PSF. Top chord must not be cut or notched.

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



R=40 PLF U=10 PLF W=11-10-0
RL=8/-8 PLF

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

10:08:41.0209.2

FL/-/2/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Tenuses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the applicable code of practice for the applicable material. The following information is intended to follow the latest edition of BCSI (Building Component Safety Information by TPI and ITWC) practices per or to performing those functions. Installers shall provide temporary bracing and bracing. Unless noted otherwise, no chord shall have properly attached structural sheathing and bracing. Chords shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 93, 97 or 910 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of the product or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, or erecting the trusses. The trusses are to be installed in accordance with the erection drawings. ITWBCG shall not be responsible for any deviation from the design of the product or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, or erecting the trusses. The trusses are to be installed in accordance with the erection drawings. ITWBCG shall not be responsible for any deviation from the design of the product or any failure to build the truss in conformance with ANSI/TPI 1 or for handling, shipping, installing, or erecting the trusses. The trusses are to be installed in accordance with the erection drawings.

No. 22839

FILE

FLORIDA
SIGNAL ENGINEER

۱۲

TC LL	20.0 PSF	REF R2327- 47228
TC DL	7.0 PSF	DATE 09/19/13
BC DL	10.0 PSF	DRW HCUR2327 13262043
BC LL	0.0 PSF	HC-ENG AP/AP
TOT. LD.	37.0 PSF	SEQN- 672274
DUR. FAC.	1.25	FROM JRG
SPACING	24.0"	JREF- 1U2S2327Z01

Top chord 2x4 SP #1_13B
Bot chord 2x4 SP #1_13B
Webs 2x4 SP #3_13B
Lt Slider 2x4 SP #3_13B: BLOCK LENGTH = 1.917'
Rt Slider 2x4 SP #3_13B: BLOCK LENGTH = 1.917'

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

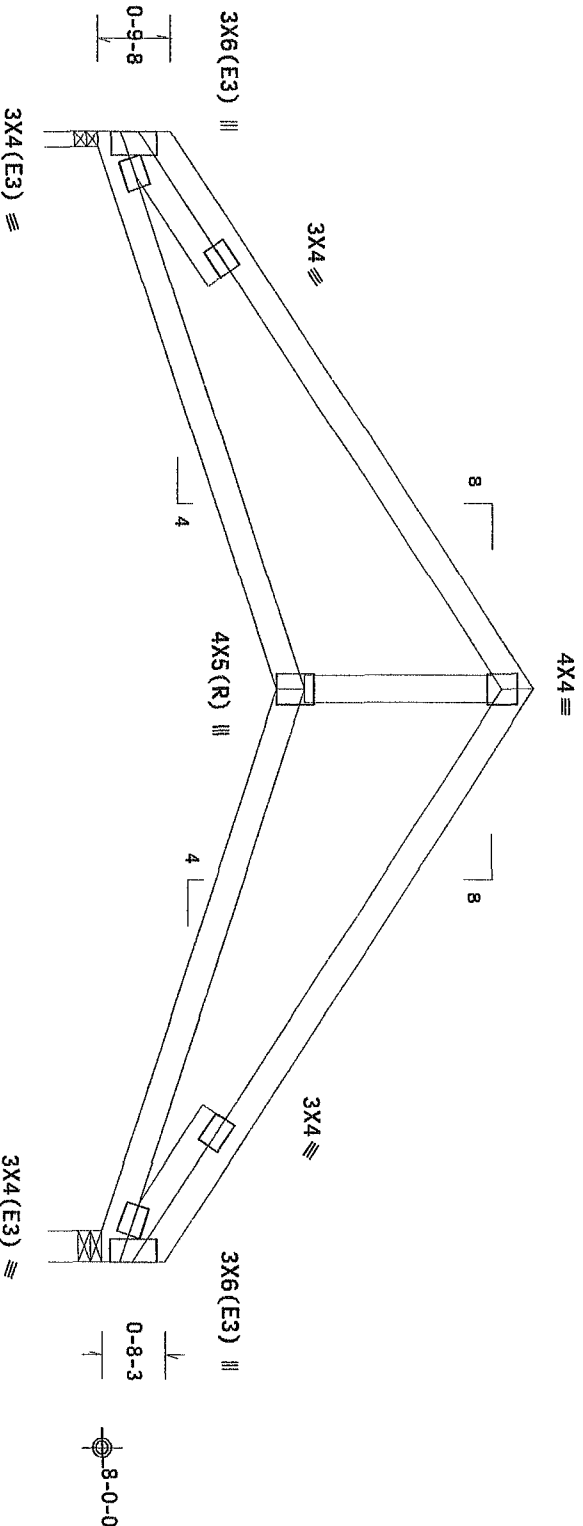
Bottom chord checked for 10.00 psf non-concurrent live load.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC
DL=5.0 psf, GCPI (+/-)=0.18

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

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

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



R=474 U=43 W=2'
RL=88/-88

R=474 U=45 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

DATE: 09/19/13
SCALE: 1/2" = 1'-0"

Scale = .5" / Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BSI Building Component Safety Information by TPI and WDC. Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints shall have bracing installed per BSI sections B3.87 or B10 as applicable.

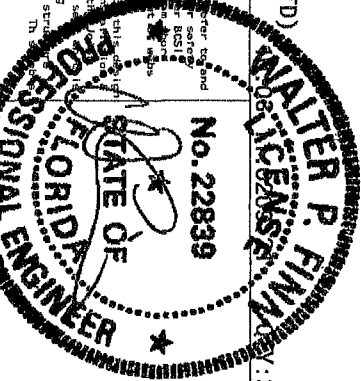
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TP1 1 or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the drawings. The drawings are for informational purposes only. The drawings are not to be used for design or construction. The drawings are the property of ITWBCG and shall not be reproduced without written permission. The drawings are the property of ITWBCG and shall not be reproduced without written permission. The drawings are the property of ITWBCG and shall not be reproduced without written permission.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0 278

For more information see the general notes page ITW-BCG www.itwbcg.com, TPI www.tpinet.org WDC www.structure.com

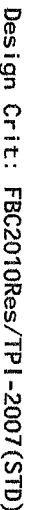


TC LL	20.0 PSF	REF	R2327 - 47227
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HOUSR2327 13262042
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672273
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

THIS PTC PREPARED FROM COMPILED INPUT (10ANS & DIMENSIONS) SUBMITTED BY TRISS MEB.

Bottom chord checked for 10.00 psf non-concurrent live load.
 MFPS loads based on trusses located at least 7.50 ft. from roof edge.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

3 FL/-/2/-/-/R/-

Scale = .5"/Ft.

"Trusses require inspection prior to fabricating, handling, shipping, installing and bracing. Trussing shall follow the latest edition of BCSI (Building Component Safety Information by TPI and WTRC) 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 installed rigid ceiling. Locations shown for permanent lateral restraint which shall have bracing fastened per BCSI sections 85, 87 or 810 as applicable.

"The Building Components Group Inc. (BTBCG) shall not be responsible for any deviation from this specification if failure to build the truss in conformance with ANSI/TPI-1 or for handling/shipping/installation of trusses. Apply plates to each face of truss and position as shown above and on the drawings. Refer to drawings BTBCG-2 for standard plate positions. A user's manual will accompany the drawings indicating acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure shall be the responsibility of the building owner. To learn more information see the website www.btcg.com. Tel: 800-968-8800 Fax: 800-968-8801 Email: sales@btcg.com

3 FL/-/2/-/-/R/-		Scale =.5"/Ft.	
TC LL	20.0 PSF	REF	R2327- 47226
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSS2327 13262041
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672272
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZZS2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T28)

Top chord 2x4 SP #1_13B
Bot chord 2x4 SP #1_13B
Webs 2x4 SP #3_13B
Lt Slider 2x4 SP #3_13B: BLOCK LENGTH = 1.917'
Rt Slider 2x4 SP #3_13B: BLOCK LENGTH = 1.917'

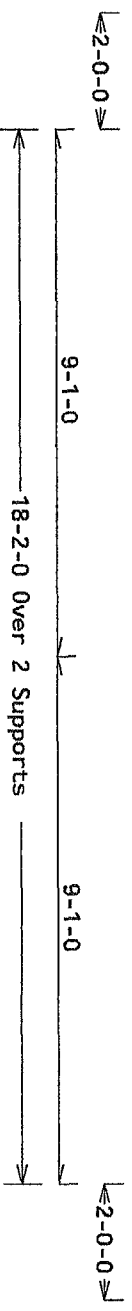
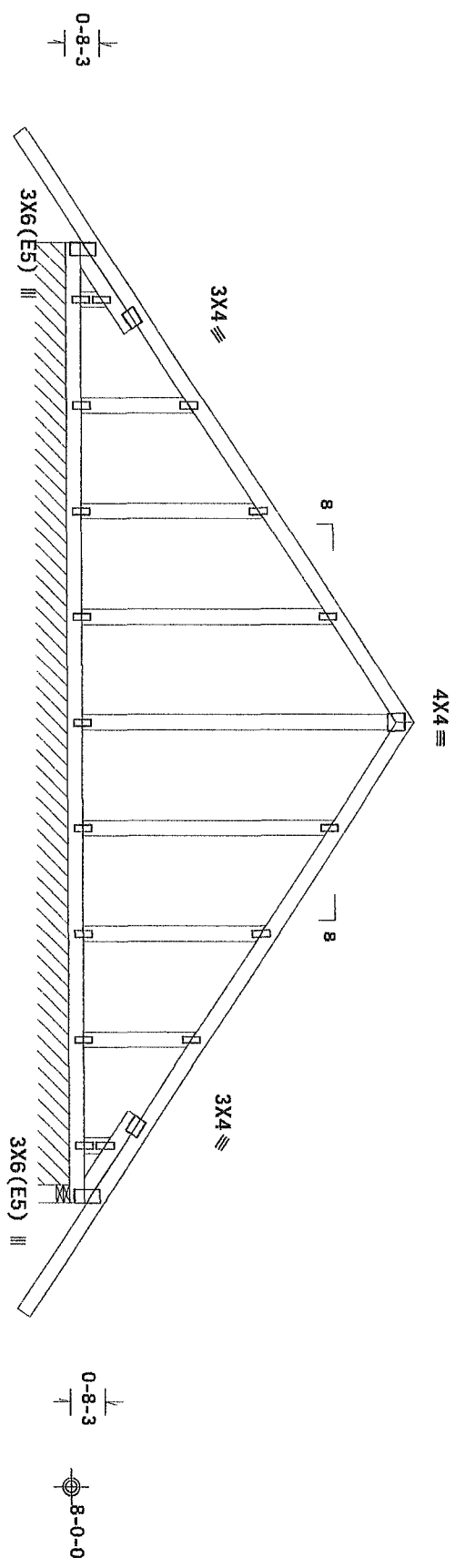
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

See DWGS A14015ENC100212 & GBLETT1M0212 for more requirements.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

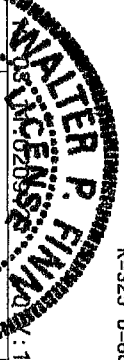
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 2.00 PSF. Top chord must not be cut or notched.
Bottom chord checked for 10.00 psf non-concurrent live load.



R=81 PLF U=12 PLF W=17-10-0
RL=12/-12 PLF

R=325 U=80 W=4"

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)



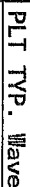
FL/-/2/-/-/R/- Scale = .3125"/Ft.

ALPINE		TITW Building Components Group Inc.	
Orlando FL, 32837		FL COA #0 278	
TC LL	20.0 PSF	REF	R2327 - 4/7225
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HOUSE2327 13262040
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672271
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF	1UZS2327Z01

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

Bottom chord checked for 10.00 psf non-concurrent live load

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



ALTER P. FINA
CENS
03-11-0209

Scale = .3125"/Ft.

Trusses require extreme care in fabricating, handling, shipping, installing and erecting. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCO) practices prior to performing these functions. Installers shall provide company branding. 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.

ALPINE

TTV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

the responsibility of the building designer per ANSI/ISO 15926-2
 General notes page 17B-800 www.tbwbcg.com, www.tp.net.org WtCA
 ICC www.icccreate.org www.shelindustry.com

TC LL	20.0 PSF	REF	R2327 - 47224
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSUR2327 13262039
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672270
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF -	1UZS2327Z01

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

	Dur. Fac.=1.25 /	Plate Dur. Fac.=1.25
TC-From	57 pif at 0.00 to	57 pif at 0.08
TC-From	57 pif at 9.08 to	57 pif at 18.17
BC-From	20 pif at 0.00 to	20 pif at 2.10
BC-From	10 pif at 2.10 to	10 pif at 16.10
BC-From	20 pif at 16.10 to	20 pif at 18.17
BC-989.56	1b Conc. Load at	2.10, 4.10, 6.10
BC-938.62	1b Conc. Load at	8.10, 10.10, 12.10, 14.10

2 COMPLETE TRUSSES REQUIRED

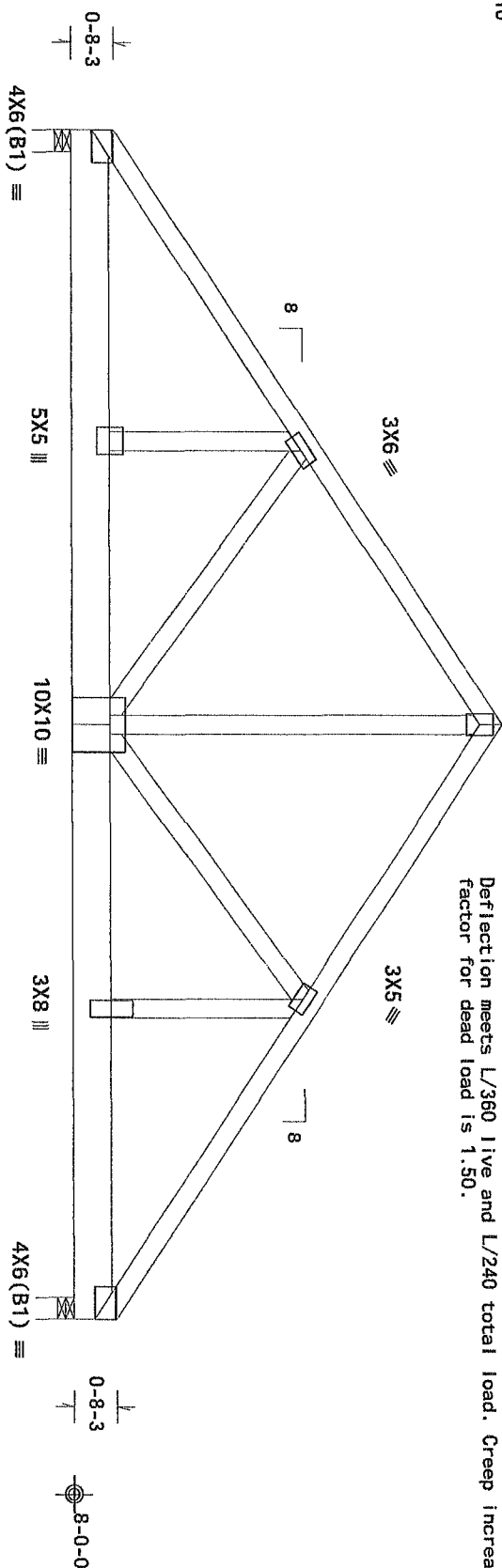
Nail Schedule: 0.128"x3.25", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

140 mph wind, 15.00 ft mean hgt. ASCE 7-10, CLOSED bldg, located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC
DL=5.0 psf. GCP1(+/-)=0.18

Wind loads and reactions based on MMFRS.

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

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



9-1-0

18-2-0 Over 2 Supports

9-1-0

R=4493 U=252 W=4"

R=4425 U=238 W=4"

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

WALTER P. FINN
CENS.
JUN 27 1962
108-1740209-17

Scale = .375"/Ft.

Orlando FL, 32837
FL COA #0278

Trausers requiring reference can find information regarding handling, installing, bracing or other details by consulting the following sources:

Follow the latest edition of BCSI Building Component Safety Information by TPI and WITCA practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and blocking at all joints.

All members shall have a properly installed fire rating if required.

Connections for precast lateral restraint shall meet bracing installed per BCSI sections B3, D7 or D10 as applicable.

The Building Components Group Inc. (BICG) shall not be responsible for any delay arising from any failure to build products in conformance with ANSI/TPI 1-98 for providing shipping instructions. The manufacturer shall be responsible for providing the correct shipping instructions. Details unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A load drawing or cover page listing these drawings and cases acceptance of professional engineering responsibility solely for the design shown. The submitter's use and use of this design for any structure is the responsibility of the Building Designer.

per ANSI/TPI 1-98 Sec. 2 For more information see this document

general notes page 1TB-BCS www.bicg.com TPI www.tpi.net org WITCA www.sbcindustry.com

ICC www.iccsafe.org

TC LL	20.0 PSF	REF R2327- 47223
TC DL	7.0 PSF	DATE 09/19/13
BC DL	10.0 PSF	DRW HCURS2327 13262038
BC LL	0.0 PSF	HC-ENG AP/AP
TOT.LD.	37.0 PSF	SEON- 672269
DUR.FAC.	1.25	FROM JRG
SPACING	24.0"	JREF - 1UWZS2327Z01

Top chord 2x4 SP_#1_13B
Bot chord 2x4 SP_#1_13B
Webs 2x4 SP_#3_13B
Lt Slider 2x4 SP_#3_13B: BLOCK LENGTH = 1.917'
Rt Slider 2x4 SP_#3_13B: BLOCK LENGTH = 1.917'

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

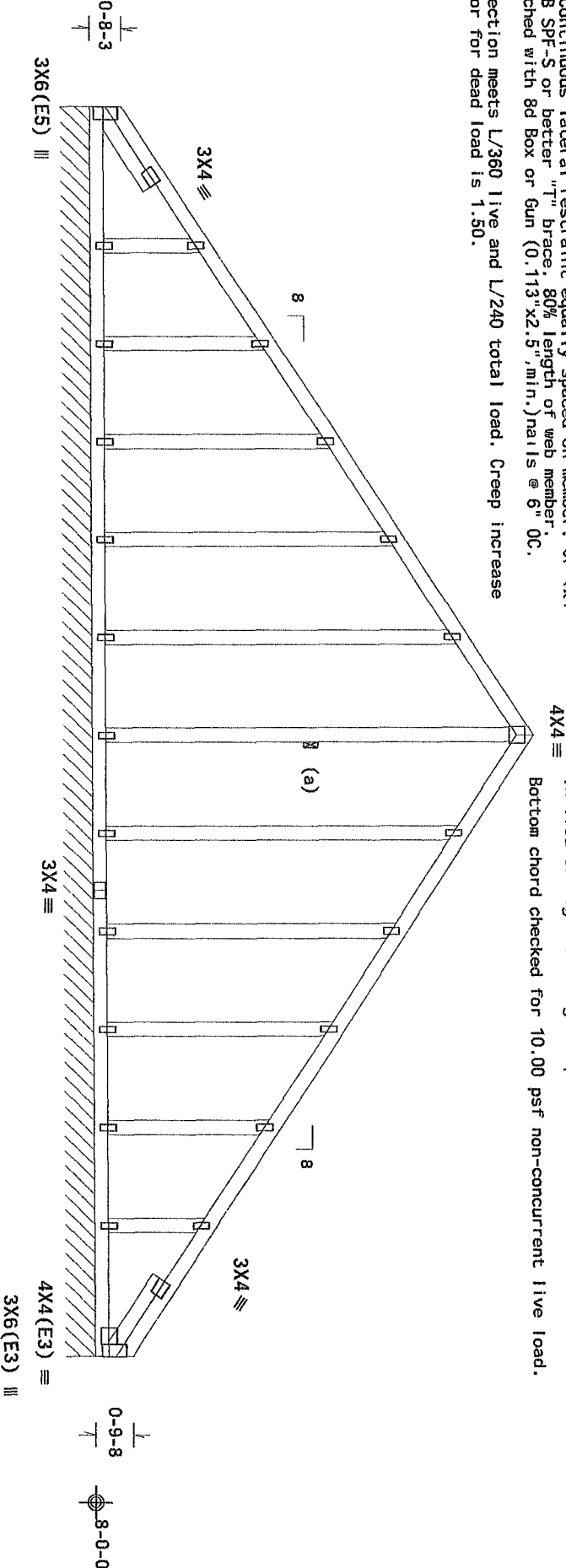
See DWGS A14015ENC100212 & GBLLET100212 for more requirements.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCP1(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 2.00 PSF. Top chord must not be cut or notched.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.



R=87 PLF U=10 PLF W=25-6-0
RL=8/-8 PLF

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crt: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

NO. 22839
FLORIDA
P. FINA
0209

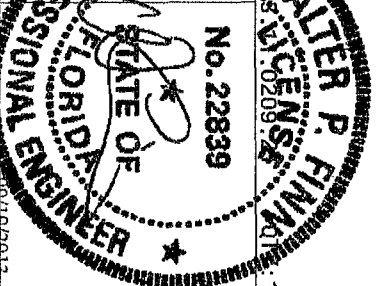
FL/-2/-/-/R/-
Scale = .3125"/Ft.
REF R2327 - 47222
DATE 09/19/13
DRW HCSUR2327 13262037
HC-ENG AP/AP
SEQN- 672268
FROM JRG
JREF- 1UZZS2327Z01

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, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC. 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. The user of this design shall be responsible for the design and use of this design for any structure. The suitability and use of this design for any structure is the responsibility of the user. The user shall consult the general notes page ITW-BGS www.itwbcg.com TPI www.tpiinc.org WTC www.wtcindustry.com ITC www.itccore.org



TC LL	20.0 PSF	REF	R2327 - 47222
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSUR2327 13262037
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672268
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZZS2327Z01

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

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

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

BC attic loading LL = 0.00 psf, DL = 20.00 psf, from 5-5-0 to 13-6-0.
AVA

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TD DL=4.2 psf, wind BC DL=5.0 psf, GCP1(+/-)=0.18

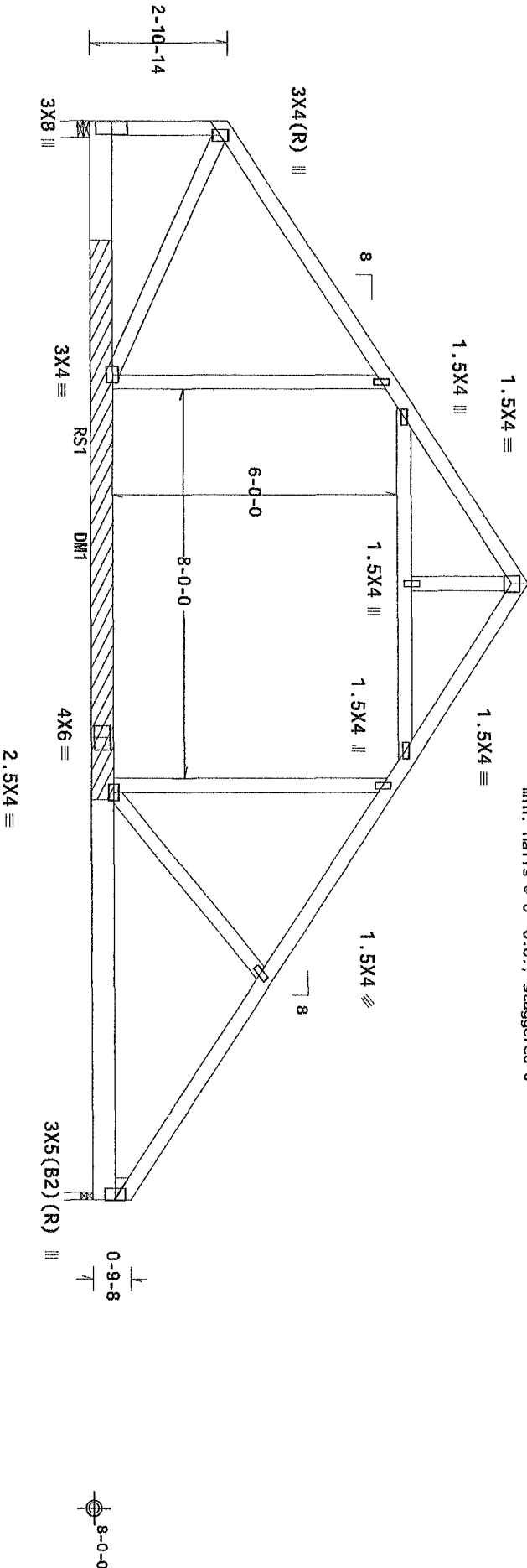
Wind loads and reactions based on MMFRS with additional C&C member design.

Right cantilever is exposed to wind

Calculated horizontal deflection is 0.09" due to live load and 0.30" due to dead load.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

(1) 2x6x11-6-0 SP #2 Dense, 13B Bottom chord scab centered 11-6-6" from left end Attach to one face of chord with (3) rows of 0.128 x3.25" min. nails @ 6" O.C., staggered 3"



R=1034 U=87 W=4"
RL=163/-180

R=989 U=79 W=2"

PLT TYP: Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

10-03-11-0209-21

FL/-/2/-/-/R/-

Scale = .3125"/Ft.

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

Tenases require extra care in fabricating, handling, shipping, and bracing. The fabricator must follow the instructions of BCSI (Bracing Consulting Services, Inc.) by TPI and WTCO. The fabricator must be trained in the use of tenases and must be able to perform the proper practices noted above. Top chord bracing shall have properly attached structural sheathing and batten plates. All other bracing shall have properly attached rigid collar. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI section 53, B7 or B10 as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL. 32837
FL COA #0278

the responsibility of the Building Designer per AISI/TPI 1 Sec 2 For more information see general notes page 1TH-803: www.tbwbcg.com, TPI www.tpinet.org WTCA www.sbcindustry.com ICC www.iccsafe.org

WALTER P. FINN
FLORIDA
STATE OF
PROFESSIONAL ENGINEER
No. 22839
09/19/2013

TC LL	20.0 PSF	REF	R2327 - 47220
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HOUSE2327 1326204
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672287
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1U2S2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T22)

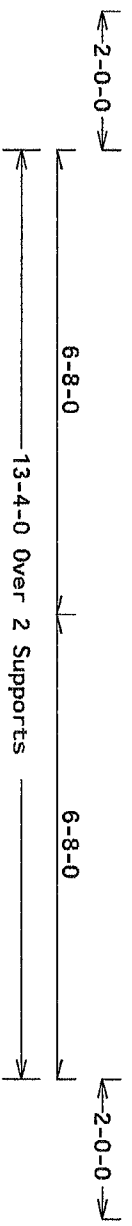
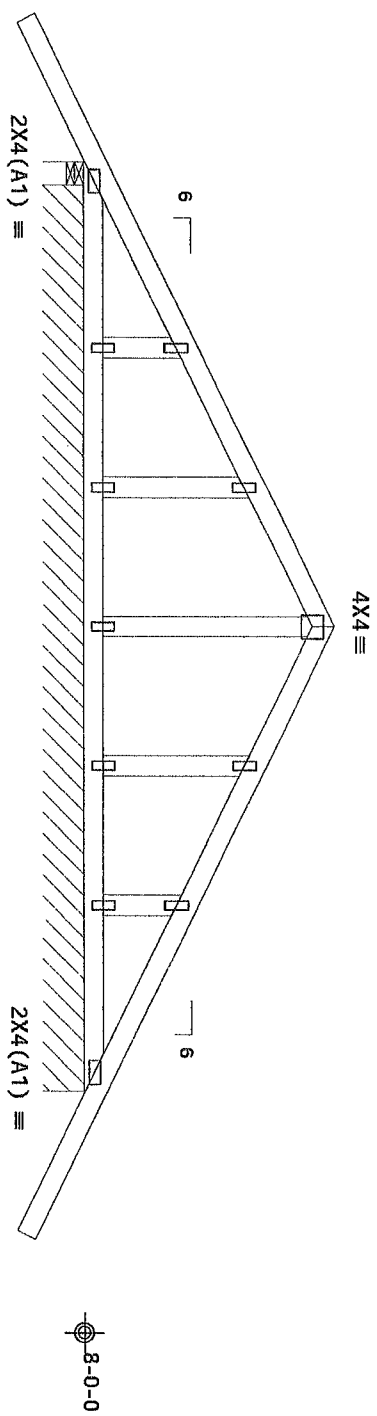
Top chord 2x4 SP #1 13B
Bot chord 2x4 SP #1 13B
Webs 2x4 SP #3 13B

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

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlockers. Cladding load shall not exceed 2.00 PSF. Top chord must not be cut or notched.

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

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCP(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
See DWGS A14015ENC100212 & GBLETT110212 for more requirements.
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



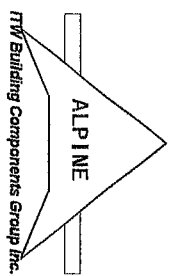
R=294 U=132 W=4"
R=77 PBF=201 PBF W=13-0-0

Note: All Plates Are 1.5X4 Except As Shown.

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

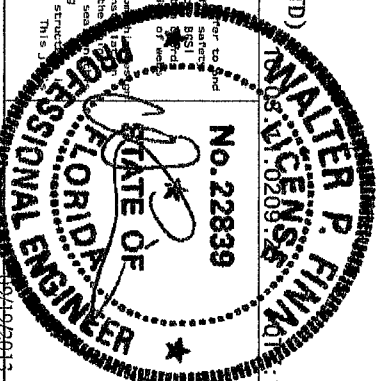
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

ALPINE



Orlando FL, 32837
FL COA #0 278

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and BCS. Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83 B7 or B10 as applicable.
TPI Building Components Group Inc. (TBCGI) shall not be responsible for any delay at an unbraced joint or failure of trusses. Apply plates to each face of truss and position as shown above and on the brace. Unless noted otherwise, better to drawings, 180x42 for standard plate positions. A seal shall be applied to the brace. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page 17B-B05 www.tlmbg.com TPI www.tpi.net.org BTCA www.sbcindustry.com IBC www.lobcure.org



FL/-/2/-/-/R/-		Scale = .375"/Ft.	
TC LL	20.0 PSF	REF	R2327 - 47219
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262034
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672265
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF -	1U2S2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T21)

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 spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 2.00 PSF. Top chord must not be cut or notched.

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

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

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

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

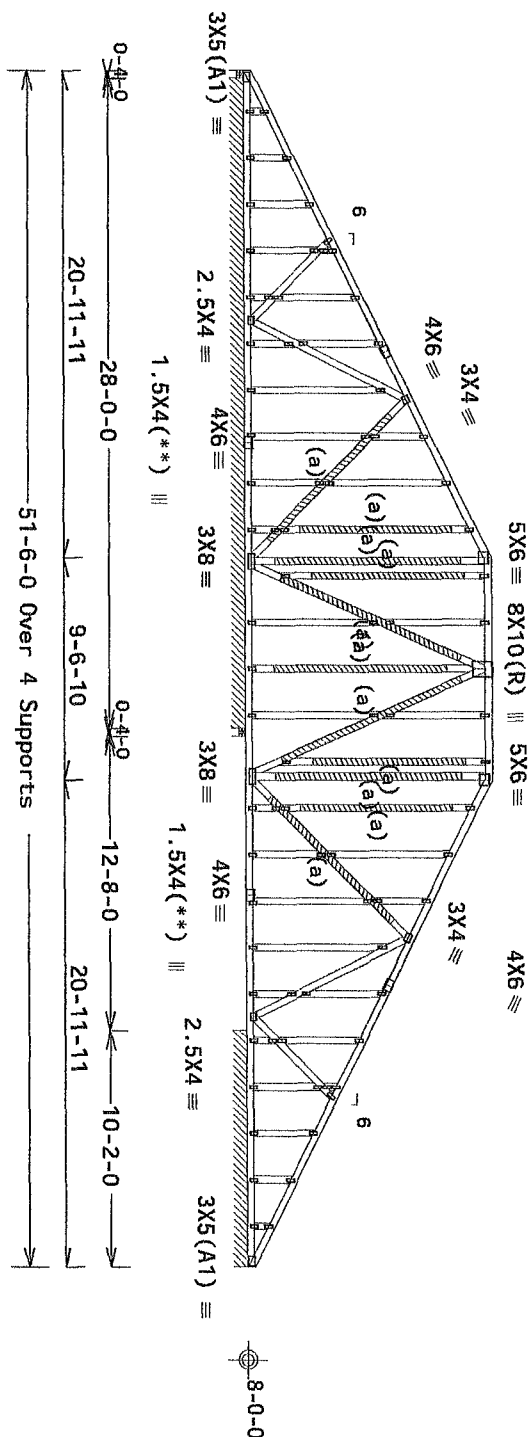
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCP1(+/-)=0.18

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

See DWGS A14015ENC100212 & GBLETT100212 for more requirements.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=70 Rw=95 U=47 W=4"
R=100/R26d=15 PLF W=28-0-0

R=34 U=3 W=4"

R=142 PLF U=19 PLF W=10-2-0

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

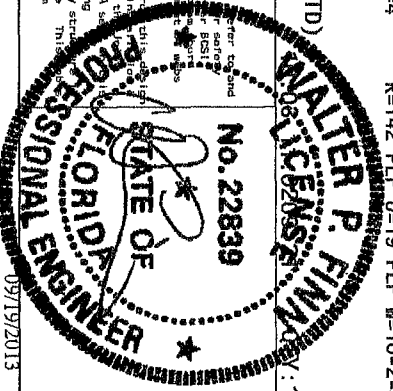
PLT TYP. Wave

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

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0278



FL/-/2/-/-/R/-		Scale = .125"/ft.	
TC LL	20.0 PSF	REF	R2327- 47218
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262033
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEON-	672281
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1U2S2327201

(L0866-84 LUMBER GASON/BRADLEY - T20)

Top chord 2x4 SP #1-138
Bot chord 2x4 SP #1-138
Webs 2x4 SP #3-138

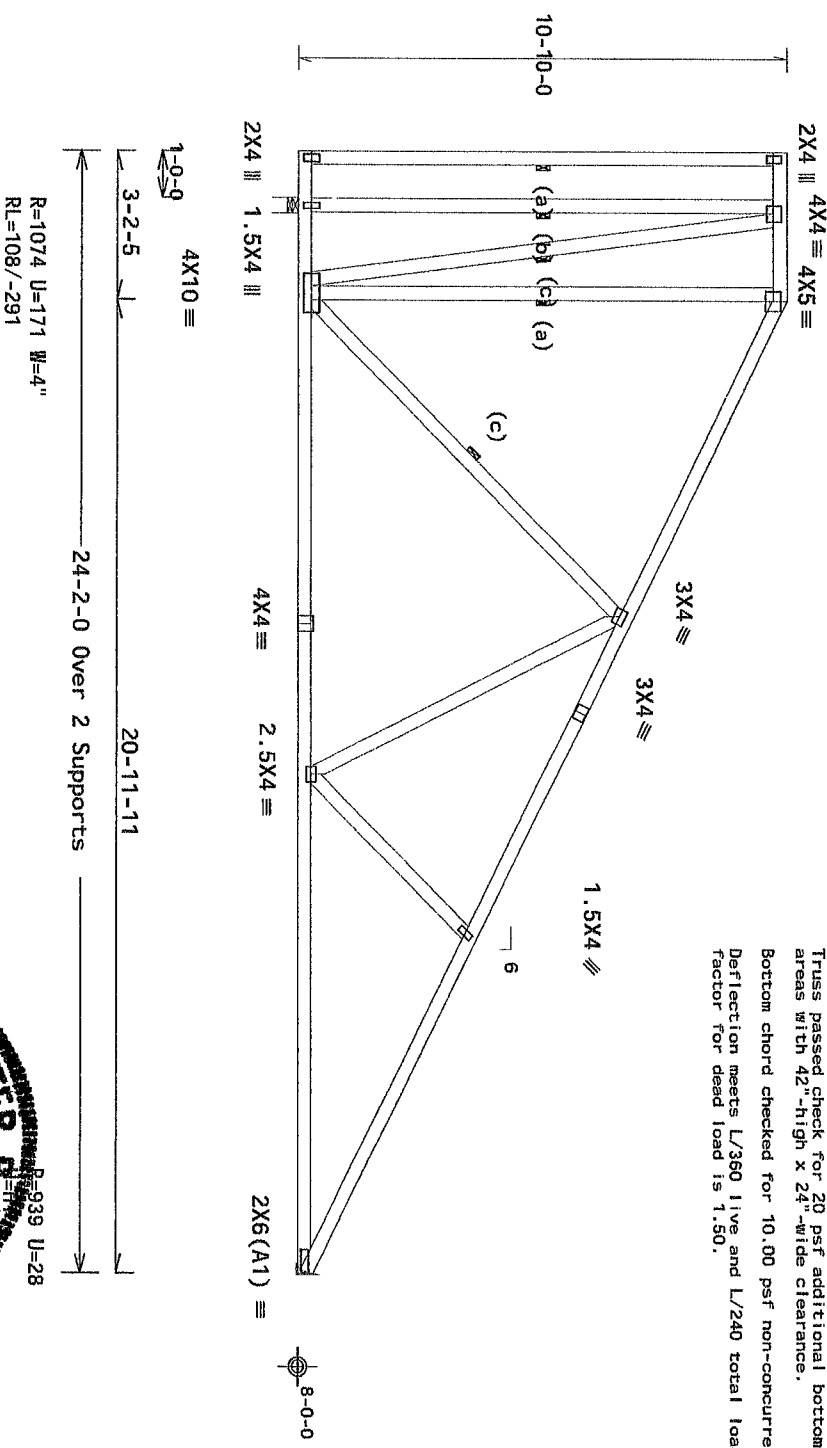
Lumber grades designated with 138" use design values approved 1/30/2013 by ALSC

Left end vertical not exposed to wind pressure.

(c) Continuous lateral restraint equally spaced on member. Or 1x4 #3SBR SPF-S or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113 x2.5", min.) nails @ 6" OC.

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

140 mph wind, 15.00 ft mean hgt. ASCE 7-10, CLOSED bldg. Located anywhere in roof. RISK CAT II, Exp B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCP(+/ -)=0 18
Wind loads and reactions based on MMFRS with additional C&C member design.
Left cantilever is exposed to wind
(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.
(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5" min.) nails @ 6" OC
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



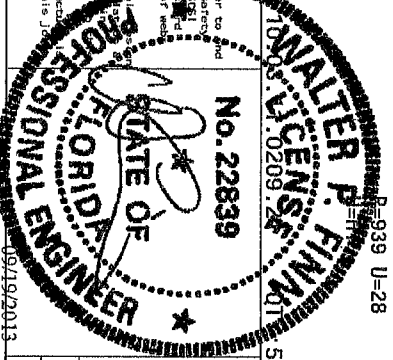
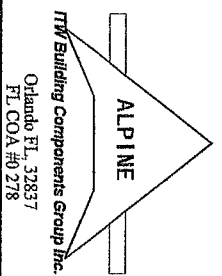
PLT TYP. Wave

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 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 WTC. 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 bolts shall have bracing installed per BCSI sections 83 B7 or B10 as applicable.

TW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from the design shown above and on the drawings unless noted otherwise. Before use of this design for any structural engineering or construction, the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see the response bill of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page 17B-BDS www.tanking.com TPI www.tanking.com WTC www.specindustry.com IBC www.icsafe.org



TC LL	20.0 PSF	REF	R2327 - 47217
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262032
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672263
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1U2S2327Z01

Scale = 25"/Ft.

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

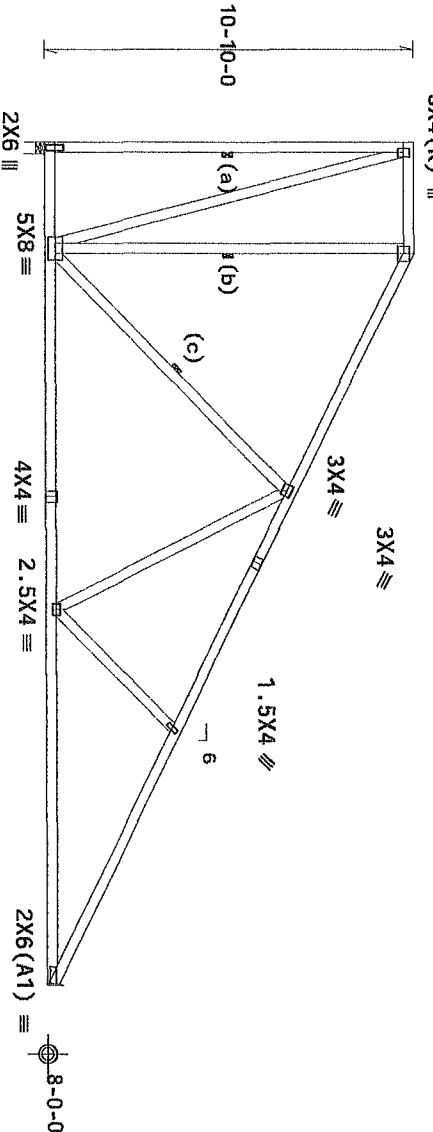
Left end vertical not exposed to wind pressure.

(c) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" brace, 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.
TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

BC 117 24.00 26.72
BC 78 26.72 33.19
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

(J) Hanger Support Required, by others
(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
MFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=1022 U=168 W=4"
RL=108/-291

R=990 U=36
H=H1

PLT TYP. Wave

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

24-2-0 Over 2 Supp
20-11-11

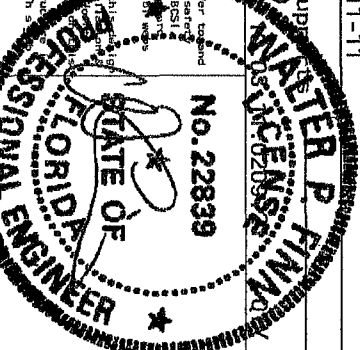
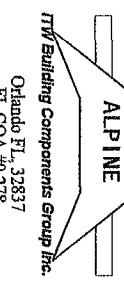
FL/-2/-/-/R/-

Scale = .1875"/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. Follow the instructions of BSI (Building Science Institute) and BSC (Building Science Company) for proper installation. Trusses shall be installed in accordance with the instructions of BSI and BSC. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BSI sections B3 B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of trusses. Apply plates to each face of truss and position as shown above and on the drawings. ITWBCG is not responsible for the design of the building. The suitability and use of this design is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page. ITWBCG www.itwbcg.com TPI www.tpi.net org ITCA www.structure.org



TC LL	20.0 PSF	REF	R2327 - 4/216
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262035
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN	672262
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF	1U2S2327Z01

THIS HAS RESEARCHED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

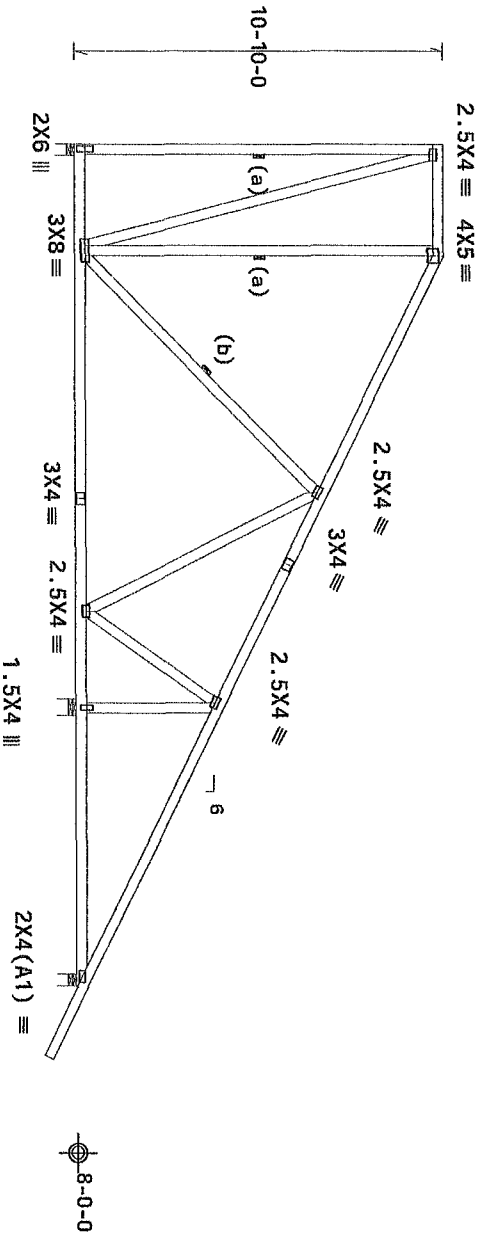
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

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

(b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPC-S or better "T" brace, 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



$15-11-5$ \rightarrow $8-2-11$ \rightarrow $12-0-9$
 $3-2-5$ \rightarrow $20-11-11$ \rightarrow
 $24-2-0$ Over 3 Supports \rightarrow
 R=614 U=97 W=4"
 R=884 U=0 W=5.65"
 R=134/-228
 R=134 U=0 W=5.65"

R=884 U=0 W=5.657

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

10:03 11:0209.2

FL/-/2/-/-/R/-

Scale = .1875"/Ft.

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

Tenuses require extreme care in fabricating, handling, shipping, installing and erecting. Fall protection is required for all workers installing the BGS (Bridging Systems) formwork by RPI and RTCO. For safety, the workers should be wearing their safety harness and lanyard. The workers should not impact metal tubing or supporting steel. Instead, provide a vertical bracing post. The workers should not use the top chord shill. Use properly attached structural sheathing and bottom chord shill. The workers should not use the top chord shill for permanent lateral restraint. Shill have bracing installed per BGS sections 33, 37 or 310 as applicable

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

ICC www.iccsafe.org
general notices page ITW-BCG www.tbwbcg.com
TPI www.tpi.net.org
WTCA www.sbcindustry.com

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "09/19/2013" at the bottom. The inner circle contains "STATE OF FLORIDA" at the top and "NO. 22003" at the bottom. A signature is written across the center of the seal.

09/19/2013

TC LL	20.0 PSF	REF	R2327 - 47214
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DR#	HCU5R2327 13262030
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672260
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF -	1U5ZS2327Z01

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

Left end vertical not exposed to wind pressure.

(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

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

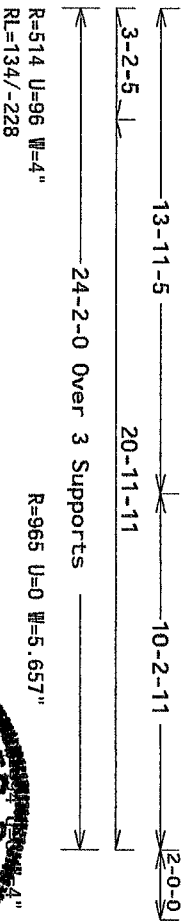
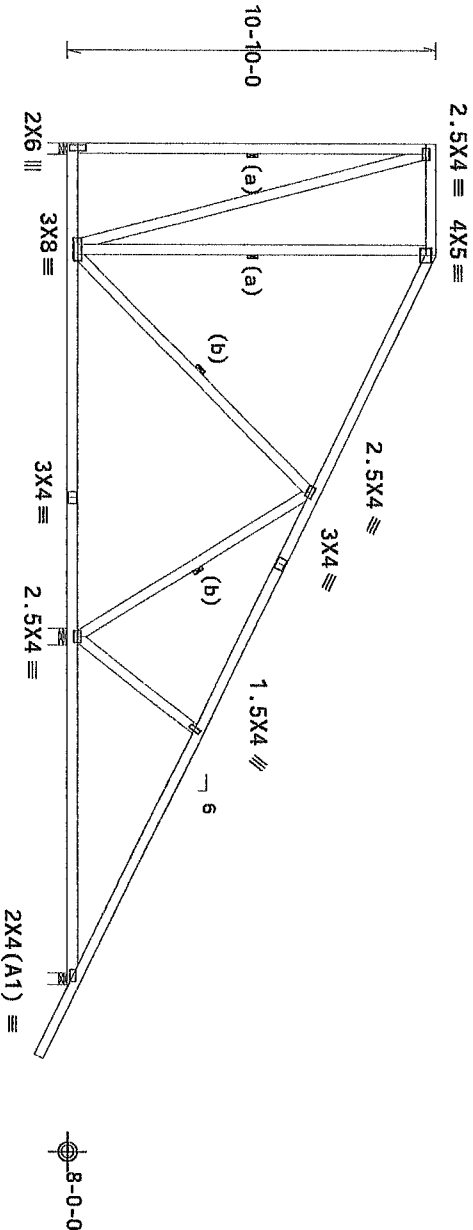
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

(b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SP#-5 or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



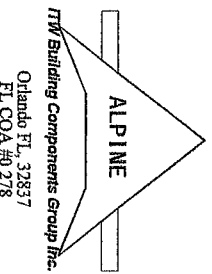
PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20% (0%)/10(0)

WALTER P. FINN
Professional Engineer
No. 22839
FLORIDA
STATE OF
09/19/2013

FL/-/2/-/-/R/-

Scale = .1875"/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. Follow the latest edition of BCSI Building Component Safety Information by TPI and WTD. Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 design of trusses. Apply plates to each face of truss and position as shown above and on the drawing. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see the general notes page ITW-800 www.itwbcg.com; TPI www.tpiinc.org; WTD www.sbcindustry.com; LOC www.locare.org

per code and BCSI. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see the general notes page ITW-800 www.itwbcg.com; TPI www.tpiinc.org; WTD www.sbcindustry.com; LOC www.locare.org

TC LL	20.0 PSF	REF	R2327 - 47213
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262029
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672259
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1U2S2327Z01

140 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=4.2 psf wind BC DL=5.0 psf, Gcpl(+/-)=0.18

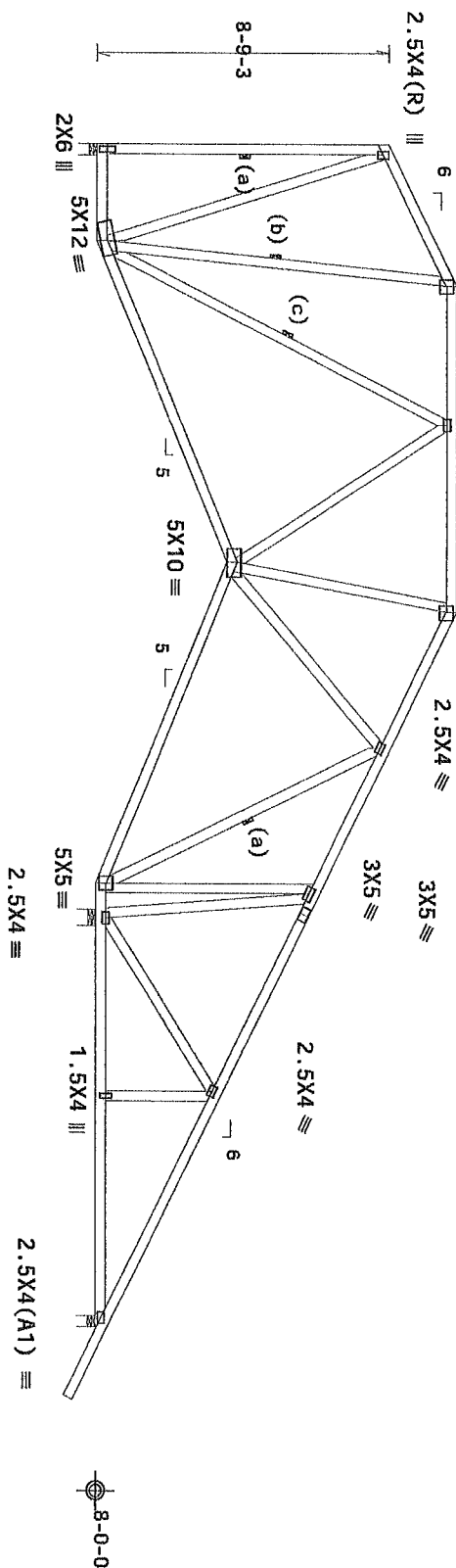
Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" braced 80' length of web member. Attached to 45SPB SFS on bottom flange.

(c) Continuous lateral restraint equally spaced on member. Or 1x4 #3SR SPF-5 or better "T" brace, 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(c) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "I" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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



R=510 U=29 W=4"

WALTER P. FINN
CENSUS
1903-14-0209-57

Scale = .1875"/Ft.

七

TV Building Components Group Inc

Orlando FL, 32837
FL COA #0278

Tenuses require extreme care in fabricating, handling, shipping, installing and bracing follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCO) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing. Have a properly installed per BSJ ceiling. Locations shown for applicable lateral restraints shall have bracing indicated per BSJ sections BS-87 or B10 as applicable.

The Building Components Group Inc. (TBGCS) shall not be responsible for any deviation from the drawings to building code requirements. The drawings are intended to be used as a guide only and do not constitute a contract. Details unless noted otherwise. Refer to drawings TBGCS-7 for standard details. Installation instructions or cover pages listing this drawing indicates acceptance of professional engineer's responsibility solely for the design, plan approval and use of this design for any other purpose. The responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page TBGCS-6 www.tbgroup.com, TPI www.tpi.net or WTCO www.structurecity.com

No. 22839

STATE OF

310 MAT

09/19/2013

TC LL	20.0 PSF	REF R2327 - 47212
TC DL	7.0 PSF	DATE 09/19/13
BC DL	10.0 PSF	DRW HCSR2327 13262028
BC LL	0.0 PSF	HC-ENG AP/AP
TOT.LD.	37.0 PSF	SEQN- 672258
DUR.FAC.	1.25	FROM JRG
SPACING	24.0"	JREF- 1UZS2327Z01

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, Gcpl(+/-)=0.18

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

(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace, 80% length of web member. Attached with 16d box or Gun (0.135" x3.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Scale = .125"/Ft.

No. 22839

TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 132620
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672257
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS232Z0T

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCp1 (+/-)=0.18

Wind loads and reactions based on MFRS with additional c/c member design.

- (c) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "L" brace, 80% height of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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


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



P=1874 U=

Scale = .125"/Ft.

Trusses require extreme care in fabricating, handling, shipping, installing, and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and BTCA) 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 bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 93, 97 or 910 as applicable.



ALPINE

Orlando FL, 32837
FL COA #0278

the responsibility of this building's designer
General notes page 117R-BCC-
ICC www.iccsafe.org
per ANSI/A117.1 Sec 2
for more information see
WTC www.sbcindustry.com
TPI www.tpi.net
twbco.com

109/109/2013

TC LL	20.0 PSF	REF	R2327 - 47210
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262026
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672256
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T12)

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

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

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

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

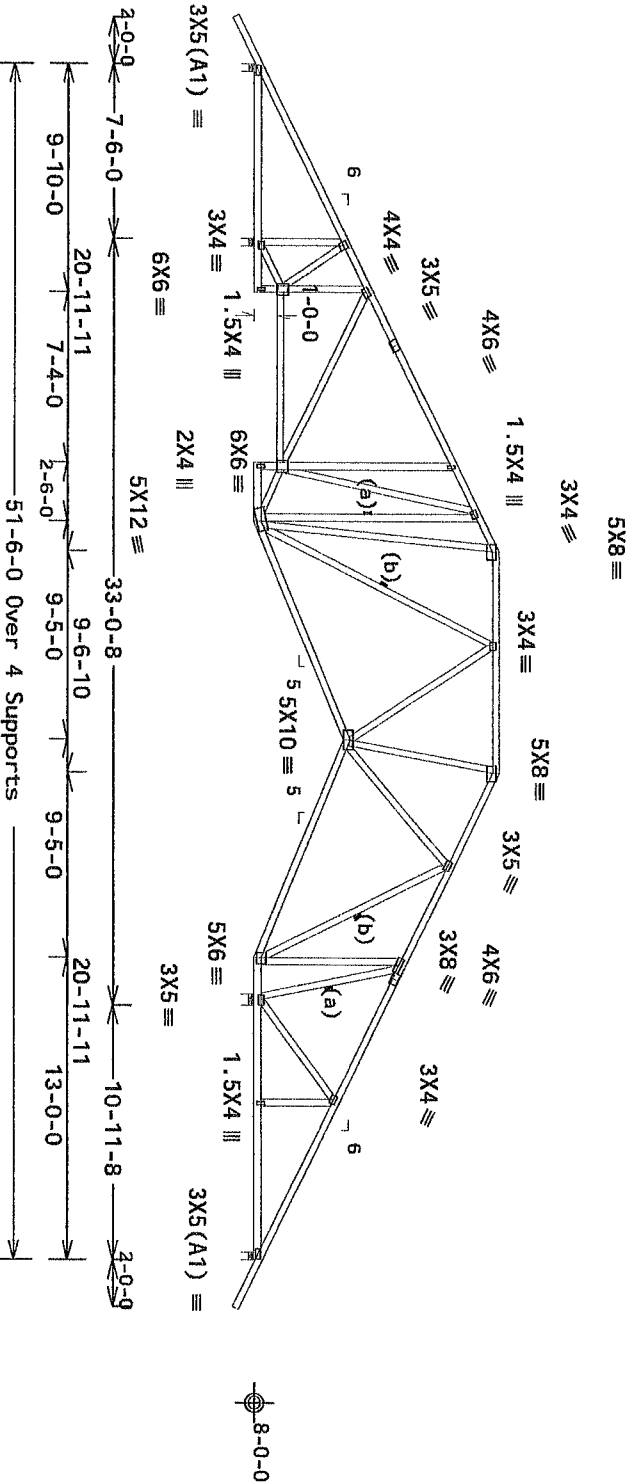
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2
psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3
or better "T" brace, 80% length of web member. Attached with 16d Box
or Gun (0.135"x3.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.

MMFRS loads based on trusses located at least 30.00 ft. from roof
edge.



R=335 U=59 W=4"
R=276/-276 R=1760 U=0 W=4"
R=1889 U=0 W=5.657"
R=436 U=55 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)

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

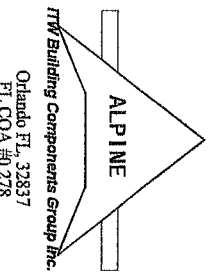
FL/-2/-/-R/-

Scale = .125"/Ft.

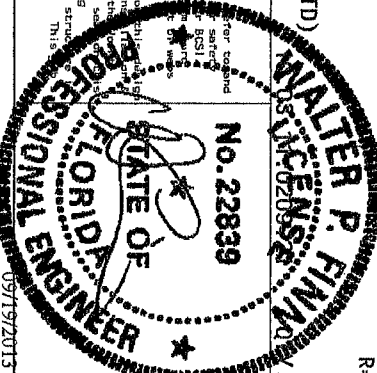
****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For correct
follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC. For correct
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 bracing
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint in web
shall have bracing installed per BCSI sections 83.97 or 810 as applicable.

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 ANSI/TPI 1 or for handling, shipping, installing, or
bracing of trusses. Apply bracing to each face of truss and post as shown above and on the back of the
drawing or cover page 1 and cases acceptance of professional engineering and cases acceptance of professional engineering
drawing or cover page 1 and cases acceptance of professional engineering and cases acceptance of professional engineering
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see
general notes page 17B-B00 www.tlwg.com TPI www.tlwg.com WTC www.structure.com
ITC www.lease.org



TC LL	20.0 PSF	REF	R2327 - 47209
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262025
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672255
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01



140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "I" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



Design Crit: FBC2010Res/TP1-2007(STD
FT/RT=20%(0%)/10(0)

INTER P. FINA
LICENSE
03-11-0209

2 FL/-/2/-/-/R/-/-

Scale = .125"/Ft.

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

2000

TV Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

[illegible]

No. 22839
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R2327- 47208
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262020
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672254
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1U2S2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T10)

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

Left end vertical not exposed to wind pressure.

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

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

140 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=4.2 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18
Wind loads and reactions based on MFRS with additional C&C member design.

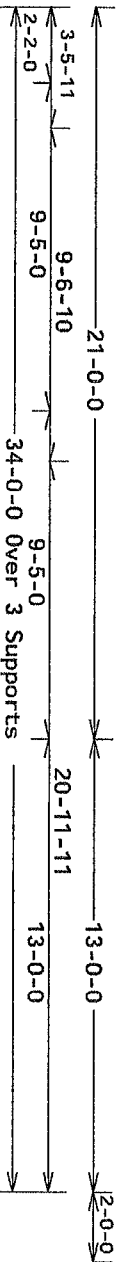
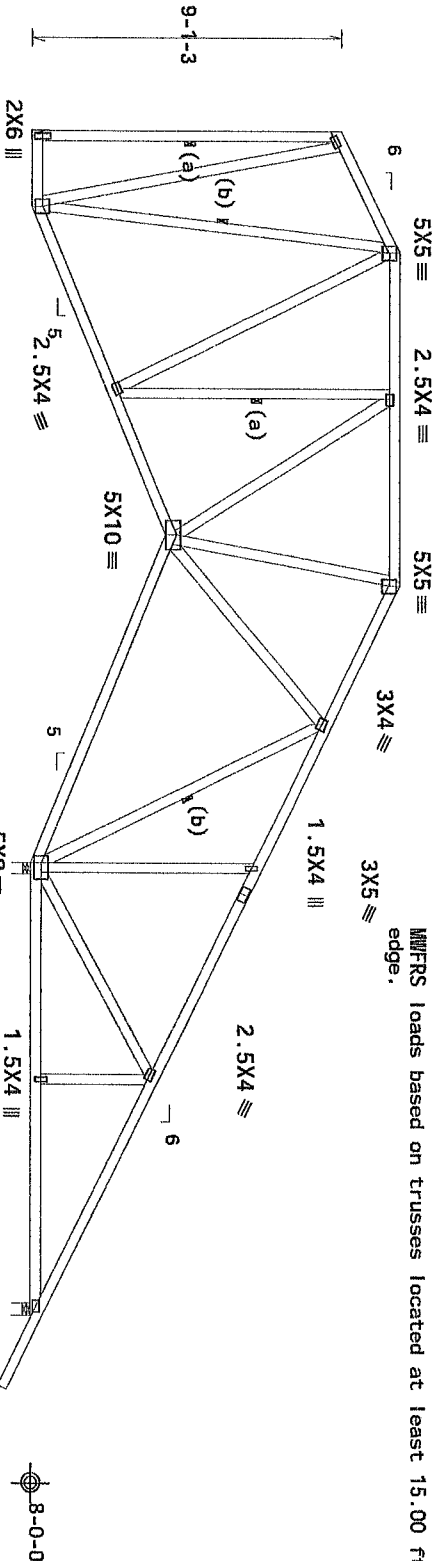
(J) Hanger Support Required, by others

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



R=705 U=68
RL=158/-228
H=H1

R=1633 U=0 W=4"

R=485 U=41 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

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

10'-0-0

10'-0-0

FL/-/2/-/R/-

Scale = .1875"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

No. 22839

10'-0-0

FL/-/2/-/R/-

REF R2327- 47207

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. The fabricator shall be responsible for the proper installation of the truss. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation.

DATE OF

10'-0-0

FL/-/2/-/R/-

DATE 09/19/13

Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation.

DATE OF

10'-0-0

FL/-/2/-/R/-

DATE 09/19/13

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any action taken by the fabricator or installer. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation.

DATE OF

10'-0-0

FL/-/2/-/R/-

DATE 09/19/13

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any action taken by the fabricator or installer. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation.

DATE OF

10'-0-0

FL/-/2/-/R/-

DATE 09/19/13

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any action taken by the fabricator or installer. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation.

DATE OF

10'-0-0

FL/-/2/-/R/-

DATE 09/19/13

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any action taken by the fabricator or installer. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation.

DATE OF

10'-0-0

FL/-/2/-/R/-

DATE 09/19/13

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any action taken by the fabricator or installer. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation.

DATE OF

10'-0-0

FL/-/2/-/R/-

DATE 09/19/13

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
FL COA #0 278

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any action taken by the fabricator or installer. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation. The fabricator shall provide adequate bracing and blocking to prevent movement of the truss during installation.

DATE OF

10'-0-0

FL/-/2/-/R/-

DATE 09/19/13

(L0866-84 LUMBER CASON/BRADLEY - T9)

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

Special loads

-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 56 pif at -2.13 to 56 pif at 20.97
TC- From 56 pif at 20.97 to 56 pif at 30.53
TC- From 56 pif at 30.53 to 56 pif at 53.63
BC- From 4 pif at -2.13 to 4 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 19.67
BC- From 22 pif at 19.67 to 22 pif at 29.08
BC- From 22 pif at 29.08 to 22 pif at 38.50
BC- From 20 pif at 38.50 to 20 pif at 51.50
BC- From 4 pif at 51.50 to 4 pif at 53.63
BC- From 703.00 lb Conc. Load at 17.50

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.

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

5X8 Special care must be taken during handling, shipping and installation
4X6 of trusses. See "WARNING" note below.

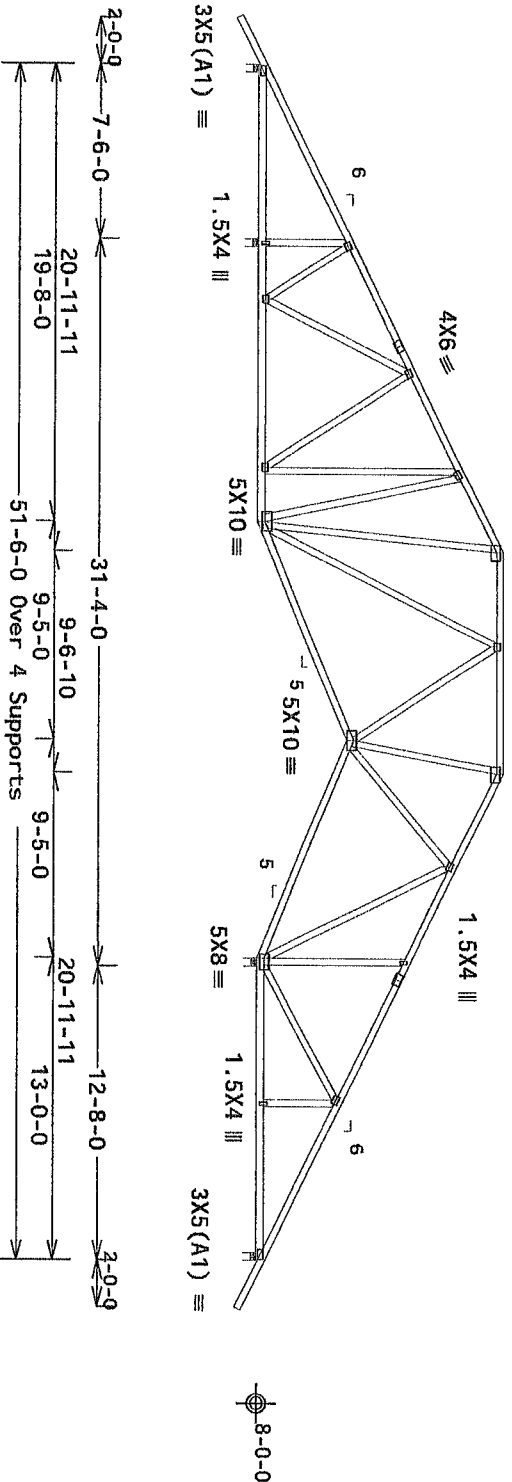
Truss passed check for 20 psf additional bottom chord live load in
areas with 42"-high x 24"-wide clearance.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2
psf, wind BC DL=5.0 psf. GCP(+/-)=0.18
Wind loads and reactions based on MEMBERS with additional C&C member
design.

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3.25", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.



R=417 U=46 W=4"
R=276/-276 R=1968 U=250 W=4"

R=2342 U=297 W=4"
R=443 U=66 W=4"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2010Res/TP1-2007(STD)

PLT TYP. Wave

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

WALTER P. FINN

FLA. REG. NO. 22839

Scale = .125"/Ft.

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 BCS (Building Component Safety) Information by TPI and WTD.
Practices prior to performing these functions. Installers shall provide temporary bracing
unless noted otherwise. Top chord shall have properly attached structural sheathing and
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint
shall have bracing installed per BCS sections B3, B7 or B10 as applicable.

The Building Components Group Inc. (ITWBC) shall not be responsible for any delay action 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
back of trusses. Do not use nails or bolts to attach plates to trusses. Do not use nails or bolts
to attach plates to trusses. Do not use nails or bolts to attach plates to trusses. Do not use
drawing or cover page listing this design. The suitability and use of this design for any structure
the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the
general notes page. ITWBC www.itwbc.com TPI www.tpi.net WTD www.wtdinc.com

ALPINE
Orlando FL, 32837
FL COA #0278

FLORIDA
REGISTERED PROFESSIONAL ENGINEER
No. 22839
DATE OF EXPIRATION 09/19/2013

TC LL	20.0 PSF	REF	R2327 - 47206
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262045
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672252
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1U2S2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T8)

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

(b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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

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

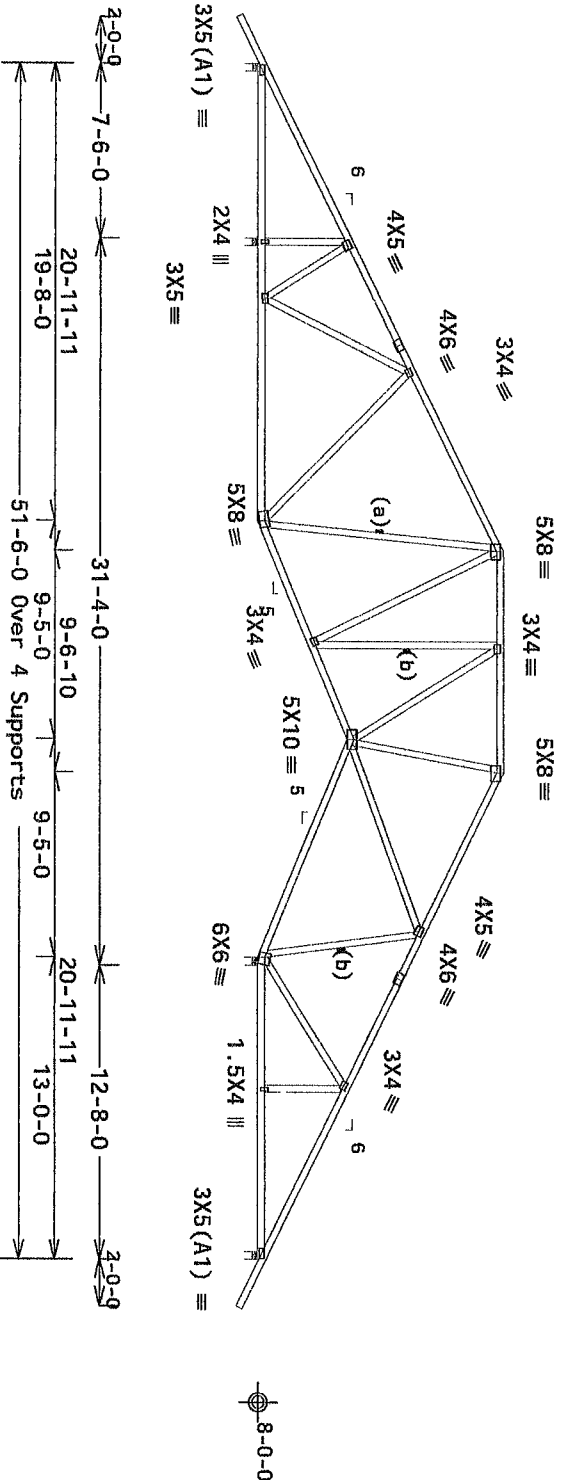
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



R=427 U=69 W=4"
R=276/-276 R=1548 U=149 W=4"

R=2072 U=181 W=4"
R=460 U=82 W=4"

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

NO. 22839

FL/-/2/-/R/-

Scale = .125"/Ft.

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

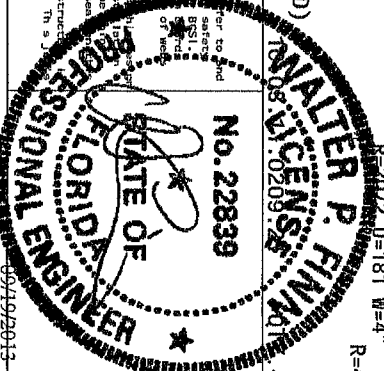
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC. Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 53 B7 or B10 as applicable.

TW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from the design of trusses. Apply plates to each face of truss and position as shown above and on the drawing. The design of trusses is based on the assumption that the truss is supported by a rigid foundation. The designer is not responsible for the design of the foundation. 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 the general notes page TW-BCG www twbcg com TPI www tpiinc org WTC www wtcindustry com IBC www icbc org

ALPINE

TW Building Components Group Inc.

Orlando FL 32837
FL COA #0 278



TC LL	20.0 PSF	REF	R2327 - 47205
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262022
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN	672251
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF	1U2S2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T7)

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

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

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

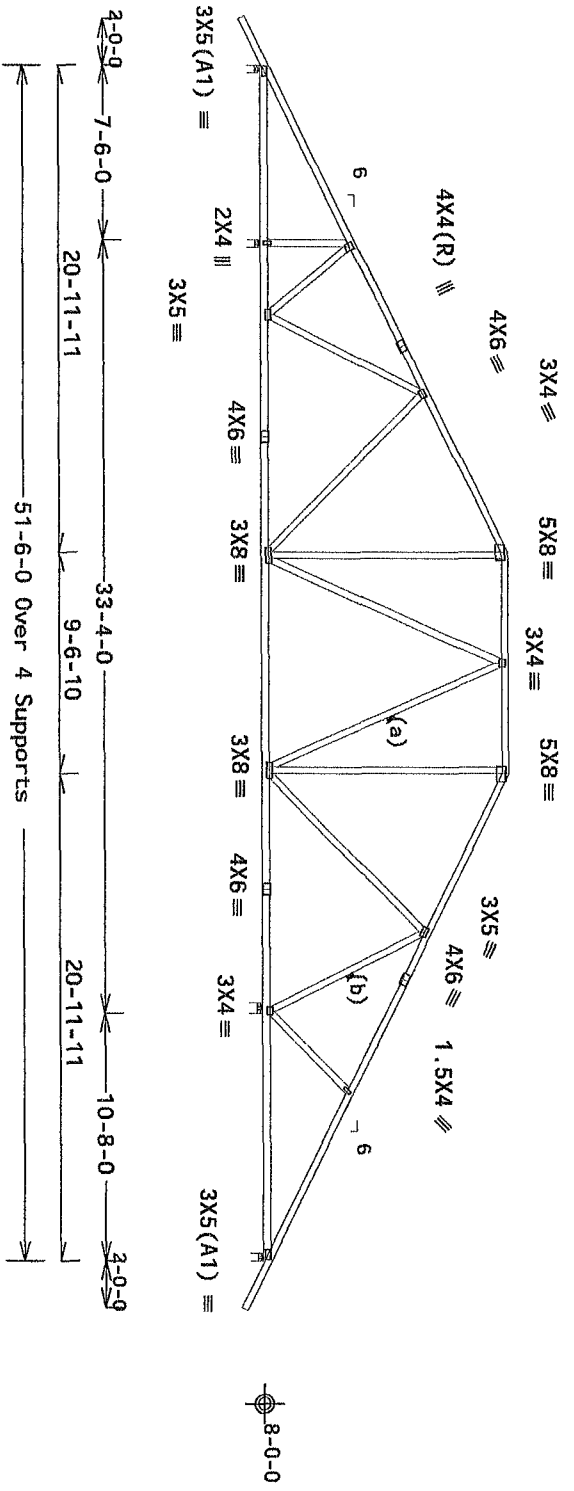
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCP (+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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



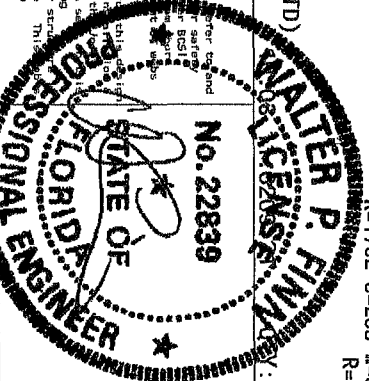
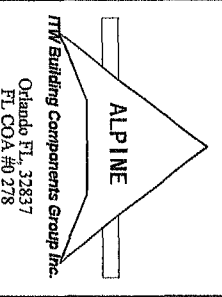
R=437 U=62 W=4"
R=276/-276 R=1569 U=167 W=4"
R=1732 U=208 W=5.657"
R=504 U=58 W=4"

PLT TYP. Wave Design Crit: FBC2010Res/TP1-2007(STD) FT/RI=20%(0%)/10(0) Scale = .125"/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. Follow the latest edition of BSI (Building Component Safety Information by TPI and WTC) practices prior to performing these functions. Installers shall provide temporary bracing for BSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint. Trusses shall have bracing installed per BSI sections B3 or B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details or drawings of trusses. Apply plates to each face of truss and position as shown above and on the drawings of trusses. Refer to drawings 1804-2 for standard plate positions. A detailed drawing of truss bracing is available on the ITWBCG website. The suitability and use of this design for any other application is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page. ITWBCG www.itwbcg.com TPI www.tpinet.org WTC www.wctindustry.com



TC LL	20.0 PSF	REF	R2327 - 47204
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	H05R2327 13262044
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672250
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T6)

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

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

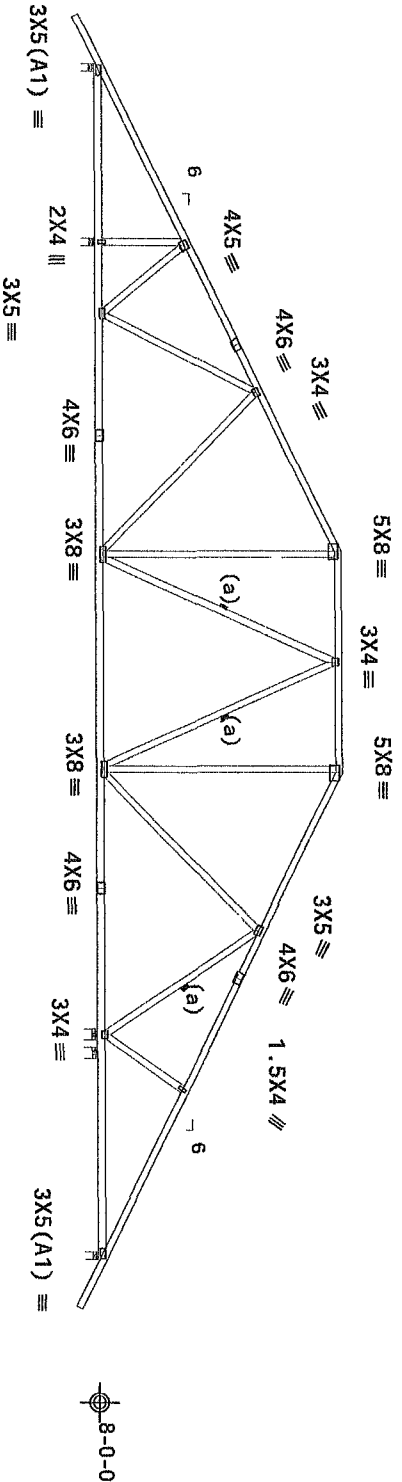
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, 60psi (+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.

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

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

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



2-0-9 7-6-0 20-11-11 34-6-7 9-6-10 20-11-11 0-9-19 8-8-0 2-0-9
R=432 U=61 W=4"
RL=276/-276 R=1621 U=176 W=4"
R=1703 U=179 W=5.657"
R=461 U=60 W=4"
R=19 W=5.657"

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

10-05-2009.24

FL/-/2/-/-/R/-

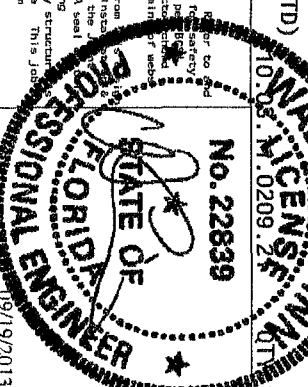
Scale = .125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
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. Refer to the latest edition of BCSI (Building Component Safety) Information by TPI and WTCO for safety practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections 83.87 or 870 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of trusses. Apply plates to each face of truss and position as shown above and on the back of trusses. Unless noted otherwise, all dimensions are in feet and inches.
The responsibility of the Building Designer per ANSI/TP1 1 Sec 2 For more information see the general notes page ITW-800 www.tpiinc.org, WTCO www.structure.com
LOC www.icsafe.org



TC LL	20.0 PSF	REF R2327- 47203
TC DL	7.0 PSF	DATE 09/19/13
BC DL	10.0 PSF	DRW H05R2327 13262020
BC LL	0.0 PSF	HC-ENG AP/AP
TOT. LD.	37.0 PSF	SEON- 672249
DUR. FAC.	1.25	FROM JRG
SPACING	24.0"	JREF- 1U2S2327Z01

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

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

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

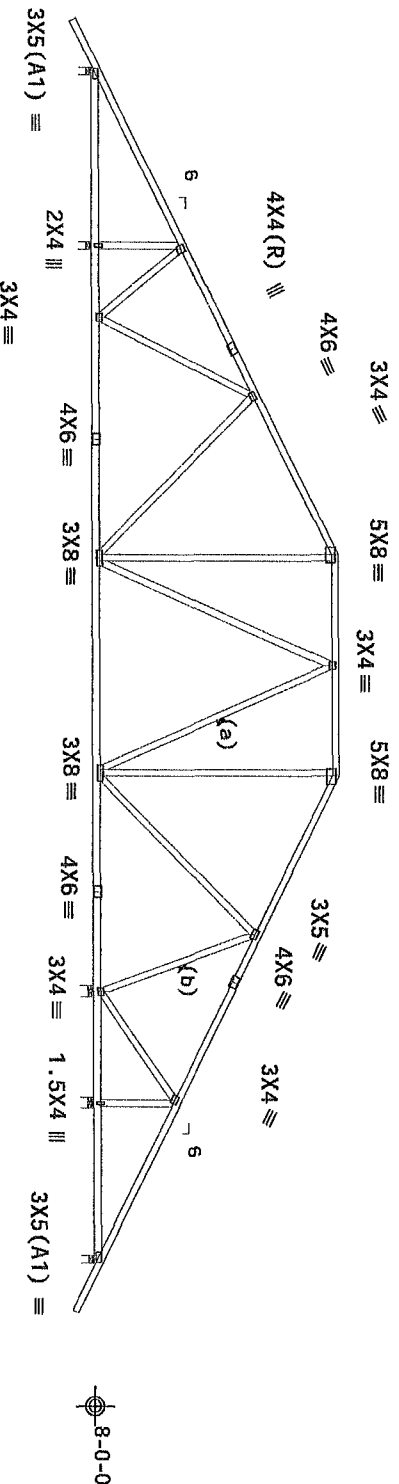
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 6.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "I" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets $L/360$ live and $L/240$ total load. Creep increase factor for dead load is 1.50.

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



R=440 U=63 W=4"
R=1519 U=166 W=4"
R=276/-276
R=315 U=27 W=5.657"
R=429 U=63 W=4"
R=440 U=63 W=4"
R=276/-276
R=1519 U=166 W=4"
R=276/-276
R=315 U=27 W=5.657"

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

11.0209.27

FL/-/2/-/-/R/-/

Scale = .125"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following for more information on the design and construction of trusses:

- Follow the latest edition of BCSI (Building Component Strategy Interaction) by RPI and BCIU for the design and construction of trusses.
- In cases where the truss top chord shall have primary structural sheathing and bracing, the truss shall have bracing installed per BCSI sections 3.3, 3.7 or 3.10 as applicable.

ALPINE

TW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see
general notes page 1TB-B03 www.1tbbag.com TPI www.tpinet.org WTCA www.stcindustry.com
www.1ccgate.org

09/19/2013

TC LL	20.0 PSF	REF	R2327- 47202
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR2327 13262019
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEON-	672248
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(c) Continuous lateral restraint equally spaced on member. Or 1x4 #3SR SF-5 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "I" brace, 80% length of web member. Attached with 16d box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets $L/360$ live and $L/240$ total load. Creep increase factor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCp1(+/-)=0.18

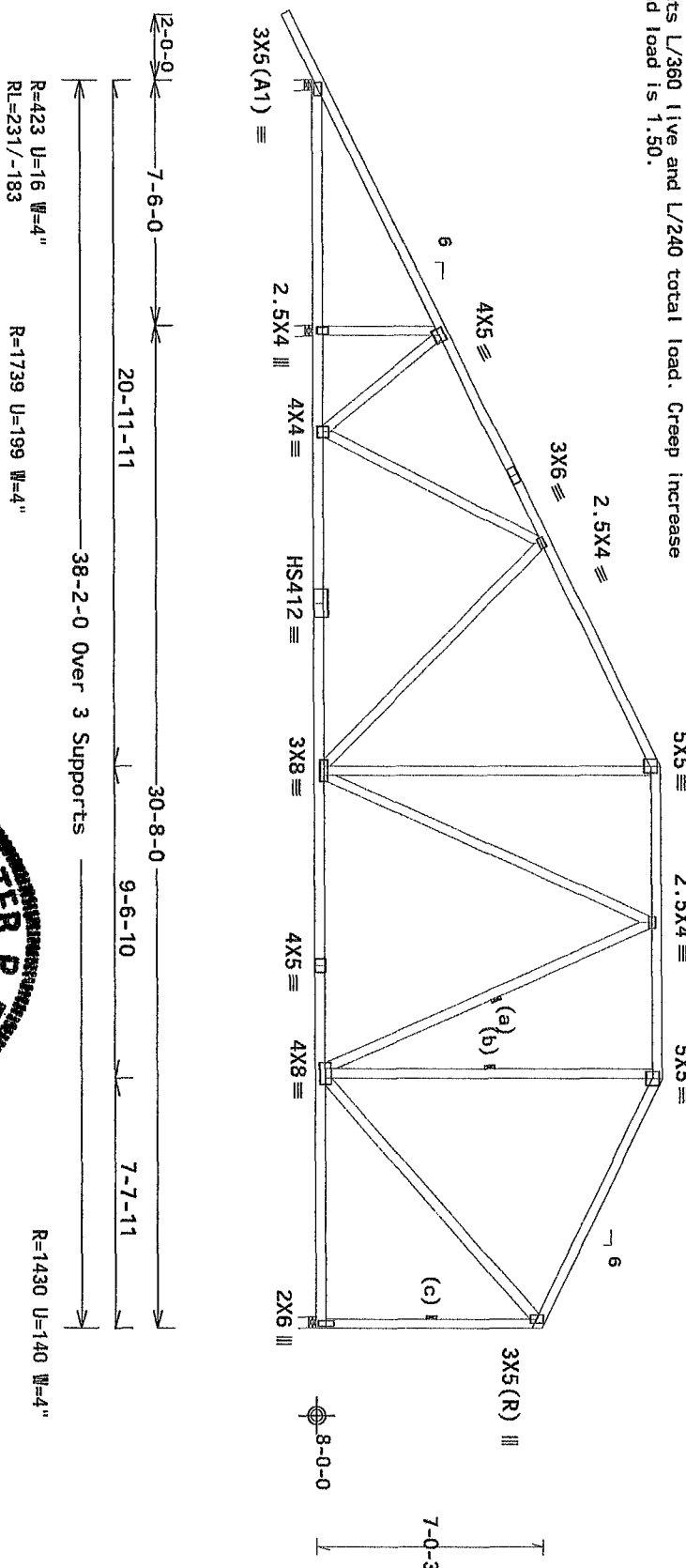
Wind loads and reactions based on MAFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "I" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

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



PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Res/TP1-2007(STD)
FT/RT=20%(0%)/10(0)

10:03:01.0209:26

2 FL/-/2/-/-/R/-

Scale = .1875" / Ft.

****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 #0 278

Trussus require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WFO) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, no chord shall have properly attached structural sheathing and bolts shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 85, 87 or 810 as applicable.

117 Building Components Group Inc. (117B-CG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1 or for handling or shipping truss members not properly braced. The truss shall be braced in accordance with the design drawings or cover plates listing this drawing. Inadequate acceptance of professional engineering responsibility solely for the design shown. Per ANSI/TPI 1 Sec 2. For more information see the responsibility of the Build mg Designer. TPI www.tpi.net WFO www.structural.com general notes page 117B-BOT www.tbcbg.com TPI www.tpi.net WFO www.structural.com www.tccsdc.org

No. 22839
STATE OF
FLORIDA
SIGNAL ENGINEER

TC LL	20.0 PSF	REF	R2327- 47201
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSUR2327 13z6202
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SEQN-	672247
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF -	1U2S2327Z01

(L0866-84 LUMBER GASON/BRADLEY - T3)

Top chord 2x4 SP #1_13B · T4 2x6 SP #2_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 spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 2.00 PSF. Top chord must not be cut or notched.

See DWGS A14015ENC100212 & GBLLET1M0212 for more requirements.

+ Member to be laterally braced for horizontal wind loads.
Bracing system to be designed and furnished by others.

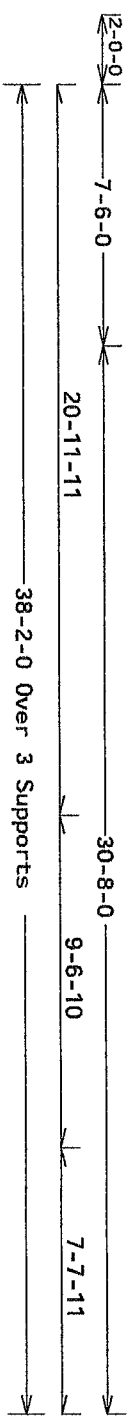
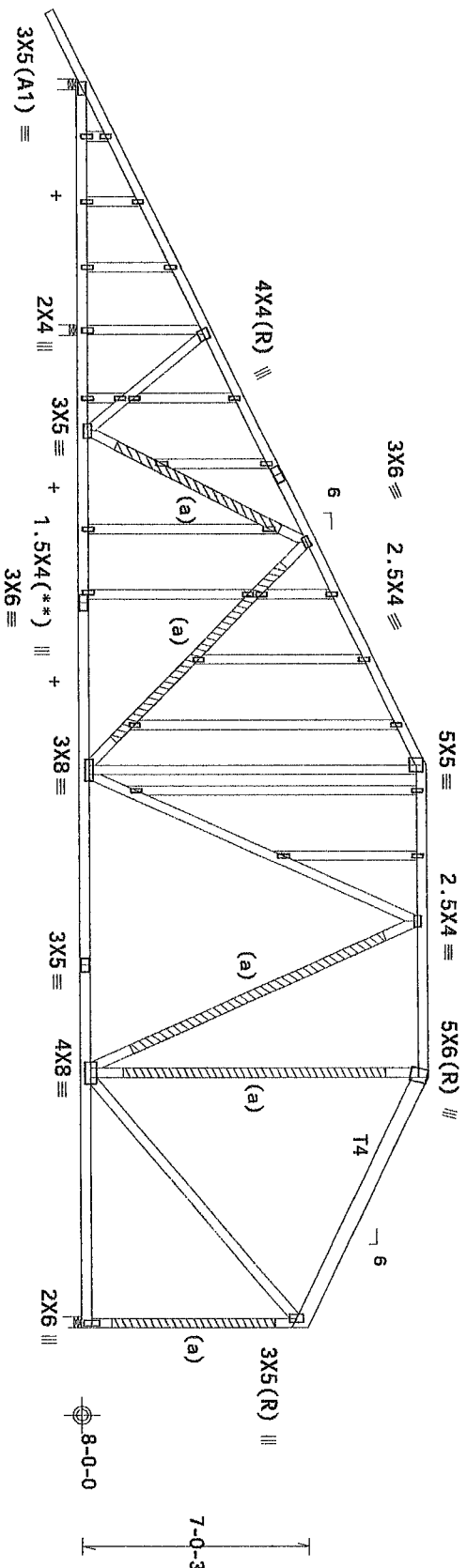
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 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.

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



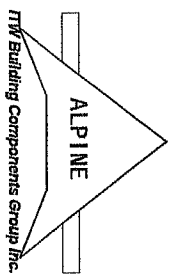
R=429 U=31 W=4"
RL=260/-206
R=1779 U=253 W=4"

Note: All Plates Are 1.5X4 Except As Shown.

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

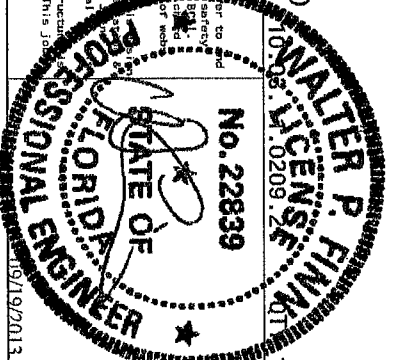
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

ALPINE



Orlando FL, 32837
FL COA #0 278

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WDC) practices or to performing these functions. Installers shall provide temporary bracing as needed. Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing. Sheathing 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 any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the back of trusses. Trusses shall be braced to drawings and specifications of professional engineering responsibility for the design shown. The suitability and use of this design for any structural application shall be the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see the response page 17B-800 www tubing.com TPI www tpi.net org WDC www steelindustry.com IBC www ibc.org



TC LL	20.0 PSF	REF	R2327 - 47200
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSR327 13262018
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672295
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SB SPF-S or better 1" brace, 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

140 mph wind, 15.00 ft mean hgt ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCp1(+/-)=0.18

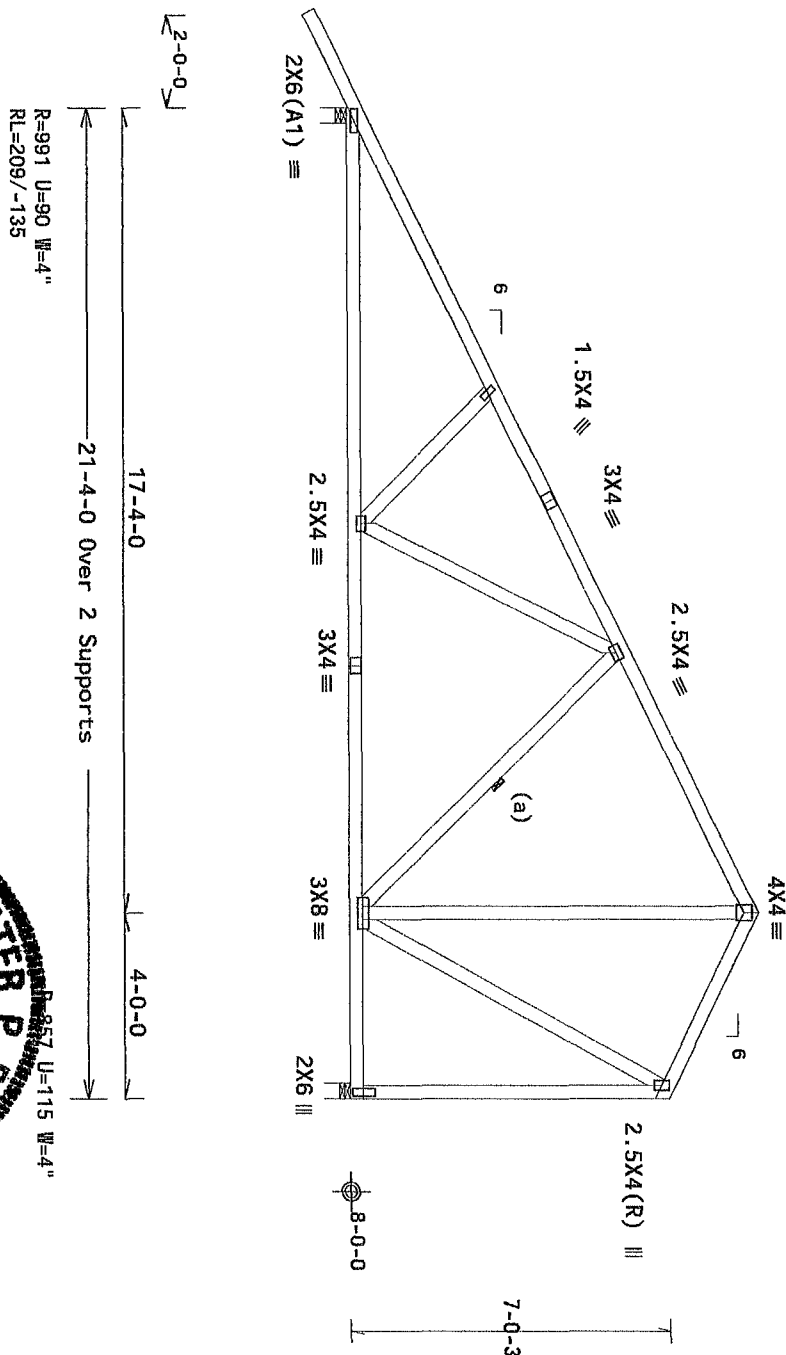
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit.	FBC2010Res/TP1-2007(STD)	FT/RT=20%(0%)/10(0)

10:03.41.0209.24 Q11.3

FL/-/2/-/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

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

Trusses require extreme care in their loading, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WTCO), as well as the applicable building code requirements. Truss installers shall provide temporary bracing as required by BCSI. The design engineer shall specify the type and location of all permanent lateral bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and batten nails. All other chords shall have properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBGS) shall not be responsible for any deviation from the design due to 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 details unless noted otherwise. Refer to drawings ITWBG-2 for standard plate positions. A seal indicating acceptance of professional engineering responsibility solely for the design shown, per ANSI/TPI 1 Section 2, for more information see the responsibility of the Building Designer. TPI www.tpi.net WTCO www.structure.com

For more technical info ITWBGS, email: info@itwbcg.com TPI: www.tpinet.org WTCO: www.structure.com

No. 22839

PRINCE OF

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 19819
10/19/2000

~~09/19/2013~~

TC LL	20.0 PSF	REF	R2327- 47199
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DR#	HCSIUR2327 13262017
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQ#	672245
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1U2S2327Z01

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 spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 4.00 PSF. Top chord must not be cut or notched.

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

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

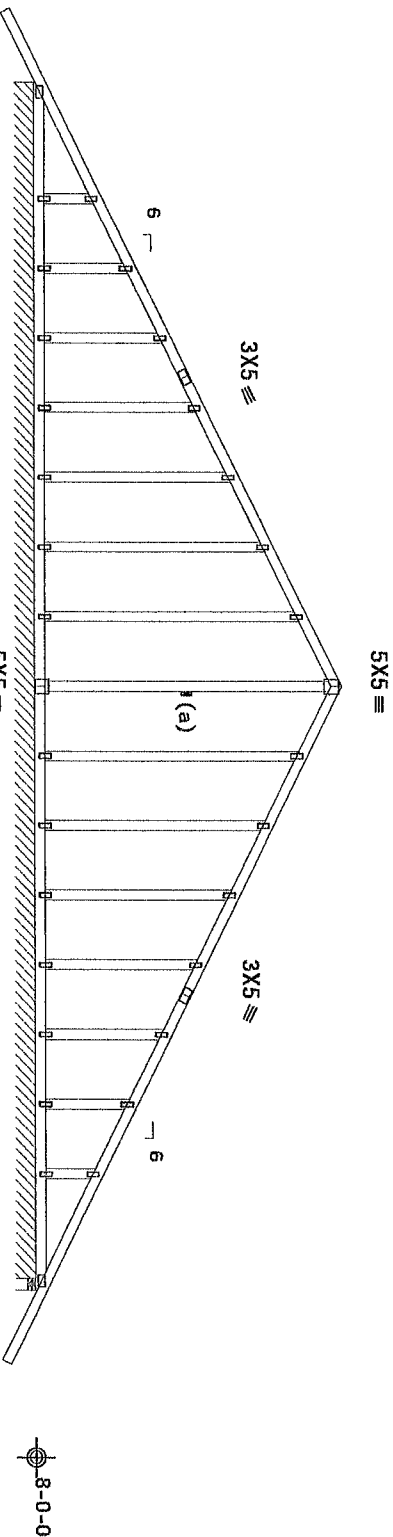
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCP1(+/-)=0.18

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

See DWGS A14015ENC100212 & GBLLET100212 for more requirements.

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "I" brace, 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



2.5X4(A1) =

2.5X4(A1) =

2'-0-0

2'-0-0

17'-4-0

17'-4-0

34'-8-0 Over 2 Supports

R=139 PLF U=12 PLF W=34-4-0
RL=7/-7 PLF

R=547 U=61 W=4"

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TP1-2007(STD)

PLT TYP. Wave

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

WALTER P. FINA

05/19/2013

FL/-/2/-/R/-

Scale = .1875"/Ft.

IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET
FINISH THIS DESIGN TO ALL CONDITIONS INCLUDING INSTALLERS

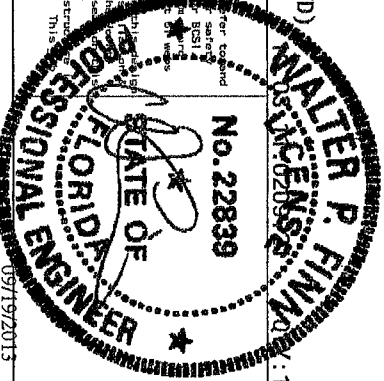
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses shall be erected by a qualified crew using proper techniques. Trusses shall be erected on a level surface. Trusses shall be erected in accordance with the manufacturer's instructions. Trusses shall be erected in accordance with the manufacturer's instructions. Trusses shall be erected in accordance with the manufacturer's instructions.

ALPINE

ITW Building Components Group Inc.

Ocala FL 32837
FL COA #0278

General notes page 1 (TR-BC) www.tbwg.com TP1 www.tbwg.com WTCL www.tbwg.com



TC LL	20.0 PSF	REF	R2327 - 4/198
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCSUR2327 13262016
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT. LD.	37.0 PSF	SECON	672244
DUR. FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF	1U2S2327201

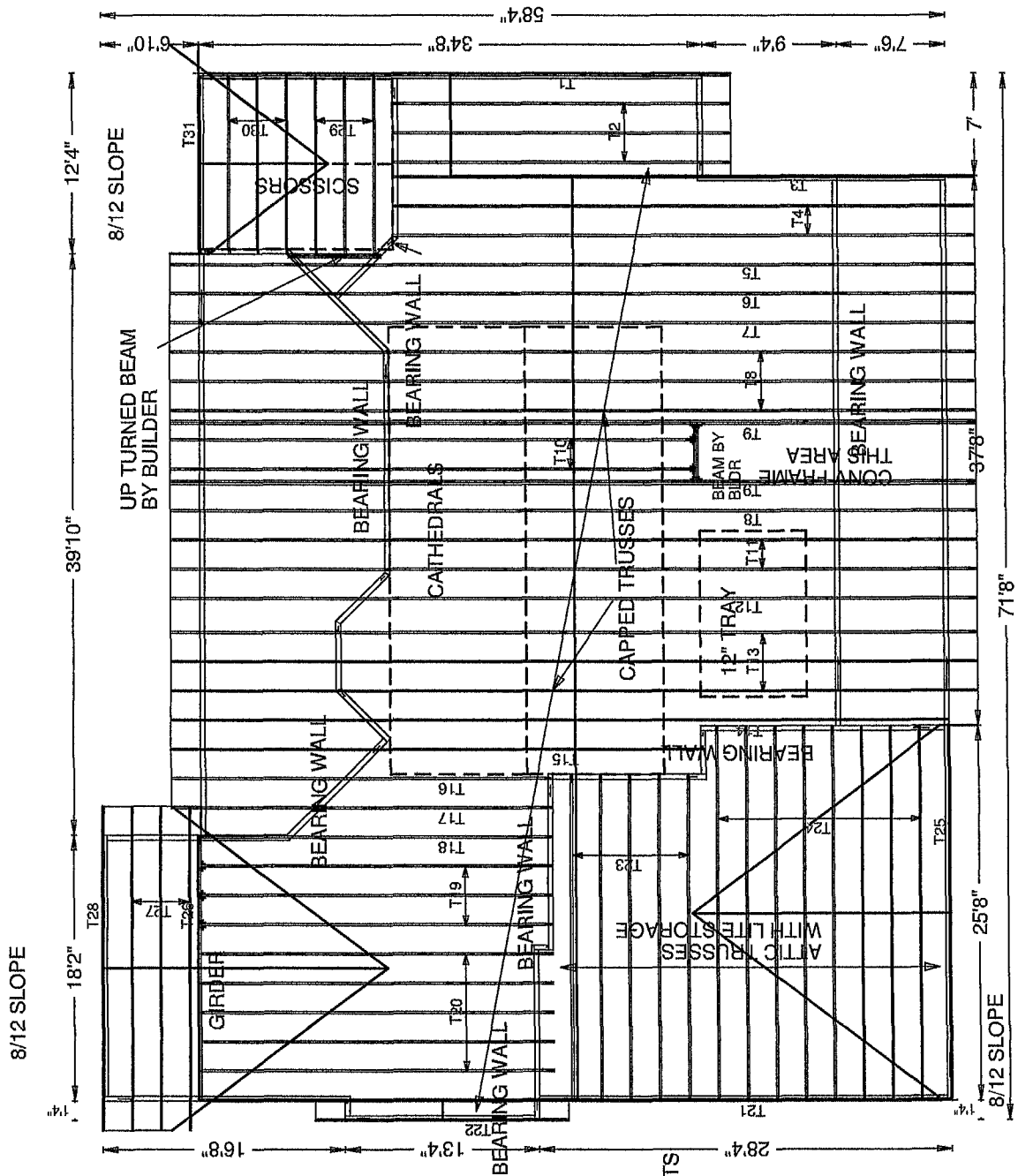
DULEY TRUSS INC.
 84 LUMBER
 CASON BUILDERS
 BRADLEY RES
 6/12 SLOPE 2-0 O/H
 9/18/13 JRG
 L0866

HTU26 HANGER
 SIMPSON STRONG-TIE
 APPROVAL # FL3750.71

HHUS48 HANGER
 SIMPSON STRONG-TIE
 APPROVAL # FL3750.66

HANGER SCHEDULE
 BEAM TO CARRIER HHUS48
 ALL OTHERS HTU26
 HANGERS BY SIMPSON

WAVE TRUSS PLATE
 ALPINE ENGINEERED PRODUCTS
 APPROVAL # FL1999.3



JOB LOCATION:

JOB DESCRIPTION:
 84 LUMBER CASON/BRADLEY

DESIGNED BY:
 RICKY GRUBBS

JOB NO:
 L0866

PAGE NO:
 1 OF 1