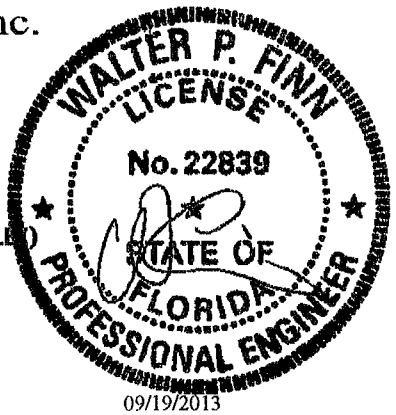
ITW Building Components Group, Inc.

1950 Marley Drive Hames City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
 Document ID 1UZS2327Z0119140627



09/19/2013

Truss Fabricator	**Duley Truss**
Job Identification.	**L0866-84 LUMBER CASON/BRADLEY (L0866-84 LUMBER CASON/BRADL**
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 61G15-31.003(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

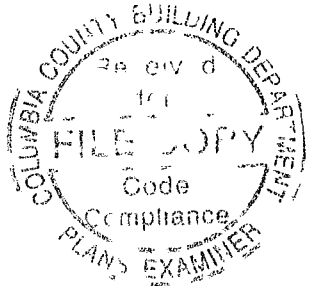
1. **Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1**
2. **The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.**
3.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

Walter P Finn
-Truss Design Engineer-

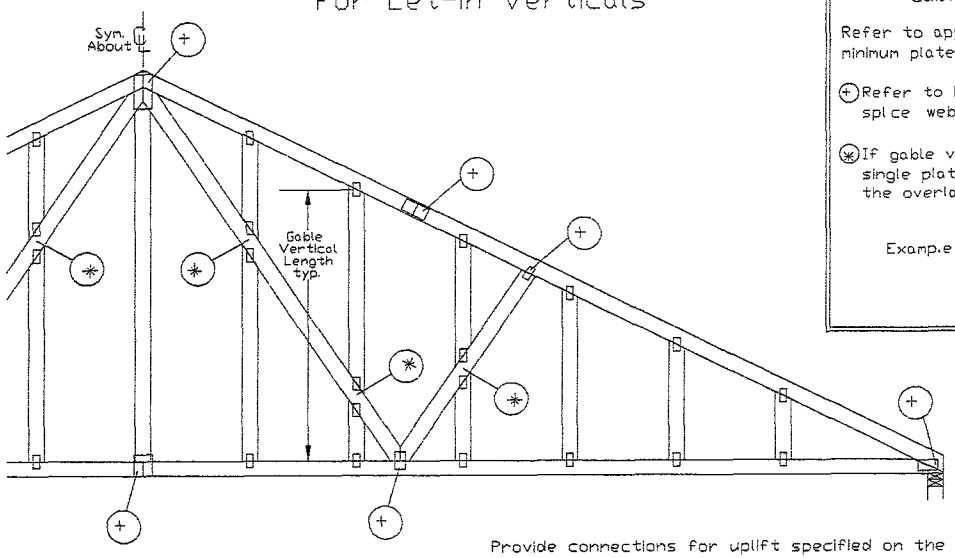
1950 Marley Drive
Hames City, FL 33844

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



Gable Detail
For Let-in Verticals



Gable Truss Plate Sizes

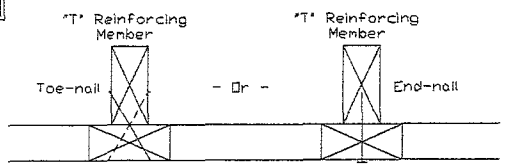
Refer to appropriate ITW gable detail for minimum plate sizes for vertical studs

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

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

Example 2X4 2X4 2X8

"T" Reinforcement Attachment Detail

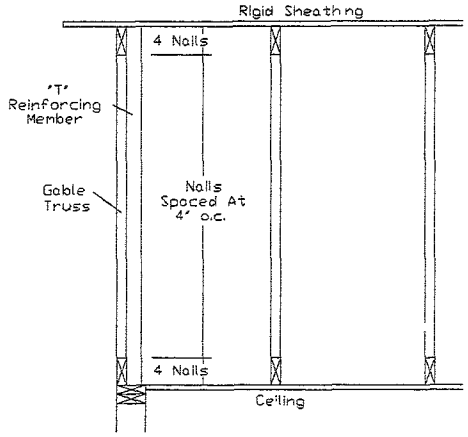


Provide connections for uplift specified on the engineered truss design

Attach each "T" reinforcing member with

End Driven Nails
10d Common (0.148"x 3" min) Nails at 4" oc plus
(4) nails in the top and bottom chords

Toenailed Nails
10d Common (0148"x3" min) Toenails at 4" oc plus
(4) toenails in the top and bottom chords



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

ASCE 7-98 Gable Detail Drawings
A13015980109 A12015980109 A11015980109 A10015980109
A13030980109 A12030980109 A11030980109 A10030980109

ASCE 7-02 Gable Detail Drawings
A13015020109 A120 5020109 A11015020109 A10015020109 A14015020109
A13030020109 A12030020109 A11030020109 A10030020109 A14030020109

ASCE 7-05 Gable Detail Drawings
A130 5050109 A12015050109 A11015050109 A10015050109 A14015050109
A13030050109 A12030050109 A11030050109 A10030050109 A14030050109

ASCE 7-10 Gable Detail Drawings
A11515ENC100212 A12015ENC100212 A14015ENC100212 A16015ENC100212
A18015ENC100212 A20015ENC100212 A20015END100212 [illegible]
A11530ENC100212 A12030ENC100212 A14030ENC100212 [illegible]
A18030ENC100212 A20030ENC100212 A20030EN[illegible] [illegible]

See appropriate ITW gable detail for maximum [illegible] th.

To convert from "L" to "T" reinforcing members multiply "T" increase by length (based on appropriate ITW gable detail)

Maximum allowable "T" reinforced gable vertical length is 14 from top to bottom chord

"T" reinforcing member material must match size specie and grade of the "L" reinforcing member

Web Length Increase w/ "T" Brace

"T" Reinf Mbr Size	"T" Increase
2x4	30 %
2x6	20 %

Example
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft Kzt = 1.00
Gable Vertical = 24"oc SP #3
"T" Reinforcing Member Size = 2x4
"T" Brace Increase (From Above) = 30% = 1.30
(1) 2x4 "L" Brace Length = 8' 7"
Maximum "T" Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

ITW Building Components Group Inc.

Earth City MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
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For more information see this job's general notes page and these web sites:
ITWBCG: www.itwbcg.com TPI: www.tpinst.org WTCA: www.sbcindustry.org, ICC www.iccsafe.or

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

MAX TOT LD 60 PSF
DUR FAC ANY
MAX SPACING 24 0

REF	LET-IN VERT
DATE	2/16/12
DRWG	GBLLETIN0212

Gable Stud Reinforcement Detail

ASCE 7-10 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or 120 mph Wind Speed 15' Mean Height Partially Enclosed Exposure C Kzt = 1.00
Or 120 mph Wind Speed 15' Mean Height Enclosed Exposure D, Kzt = 1.00
Or 100 mph Wind Speed 15' Mean Height Partially Enclosed Exposure D Kzt = 1.00

Max Gable Vertical Length

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

Bracing Group Species and Grades

Group A

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

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine***
#3
Stud
Standard

Group B

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine***
#1
#2

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

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

Gable Truss Detail Notes

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load)

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

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

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

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

** For (2) 'L' braces space nails at 3" o.c in 18" end zones and 6" o.c. between zones

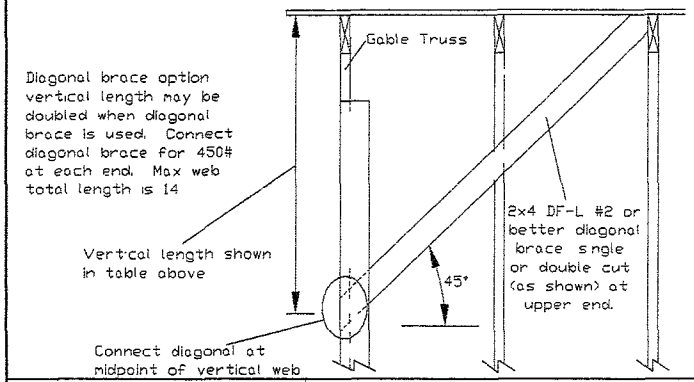
'L' bracing must be a minimum of 80% of web member length.

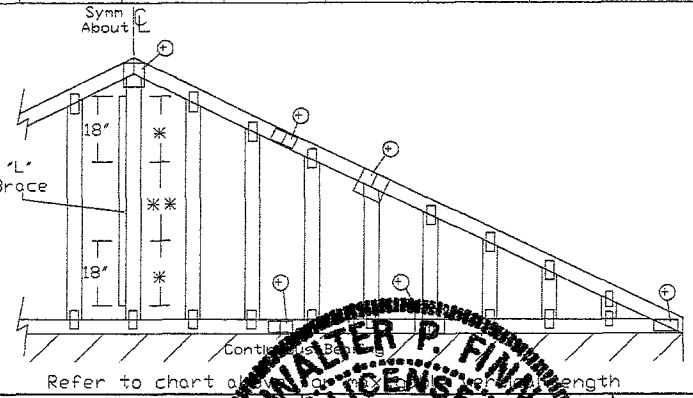
Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0" but less than 11' 6"	2.5X4
Greather than 11' 6"	3X4

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

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





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For more information see this job's general notes page and these web sites
ITWBCG: www.itwbcg.com TPI: www.tpinst.org WTCA: www.sbcindustry.org, ICC www.iccsafe.org

ITW Building Components Group Inc.
Earth City MO 63045

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER Sep 19

09/19/2013

MAX TOT LD 60 PSF

MAX SPACING 24.0"

REF ASCE7-10-GAB14015
DATE 2/14/12
DRWG A14015ENC100212

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

(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

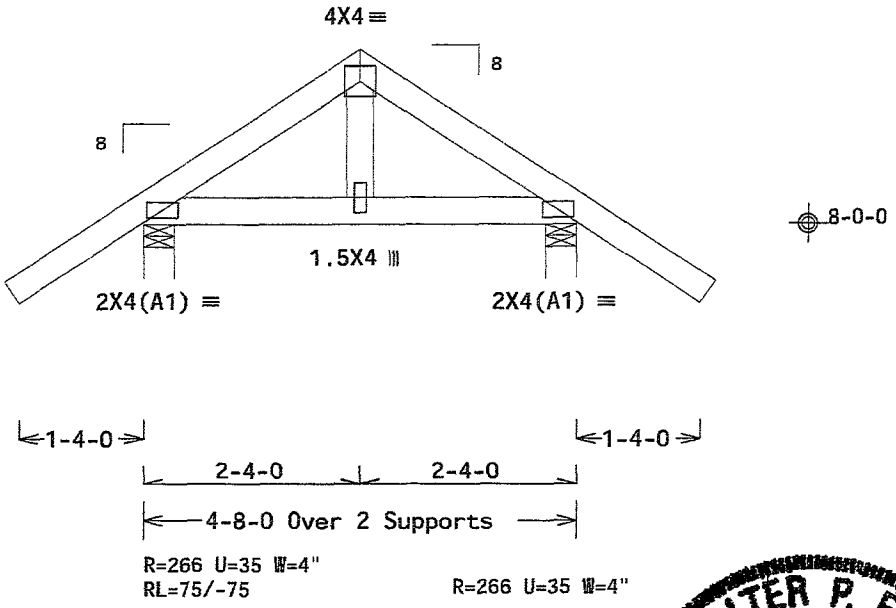
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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. 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.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=20%(0%)/10(0) | 10.03.11.0209.21 | QTY 15 FL/-/2/-/-/R/- | Scale =.5"/Ft.

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

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

TC LL	20.0 PSF	REF	R2327- 47231
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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-	1UZS2327Z01

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

(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.

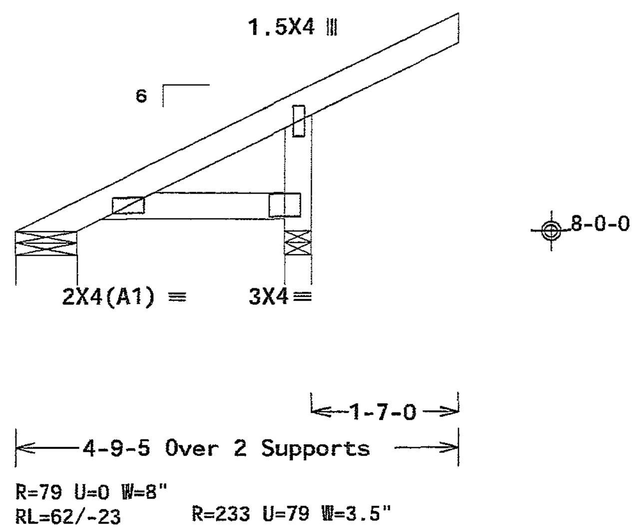
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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.



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

PLT TYP. Wave

10.0S.LT.0209.24 QTY: 11 FL/-/2/-/-/R/-

Scale =.5"/Ft.

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

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

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

REF	R2327- 47230
DATE	09/19/13
DRW	HCUSR2327 13262049
HC-ENG	AP/AP
SEQN-	672276
FROM	JRG
JREF-	1UZS2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T99)

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

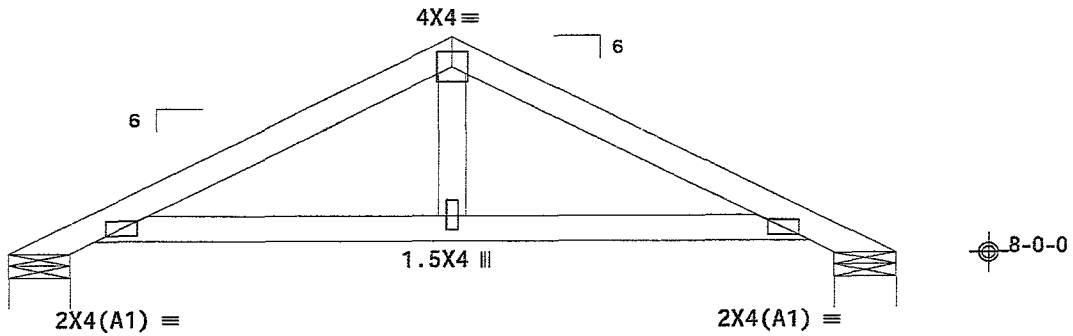
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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. 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.



R=337 U=43 W=8"
RL=45/-45

R=337 U=43 W=8"

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

PLT TYP. Wave

10.08.11.0209.2 QTY 25 FL/-/2/-/-/R/-

Scale =.5"/Ft.

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

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

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

TC LL	20.0 PSF	REF	R2327- 47229
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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

(LO866-84 LUMBER CASON/BRADLEY - T31)

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 & GBLLETIN0212 for more requirements.

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

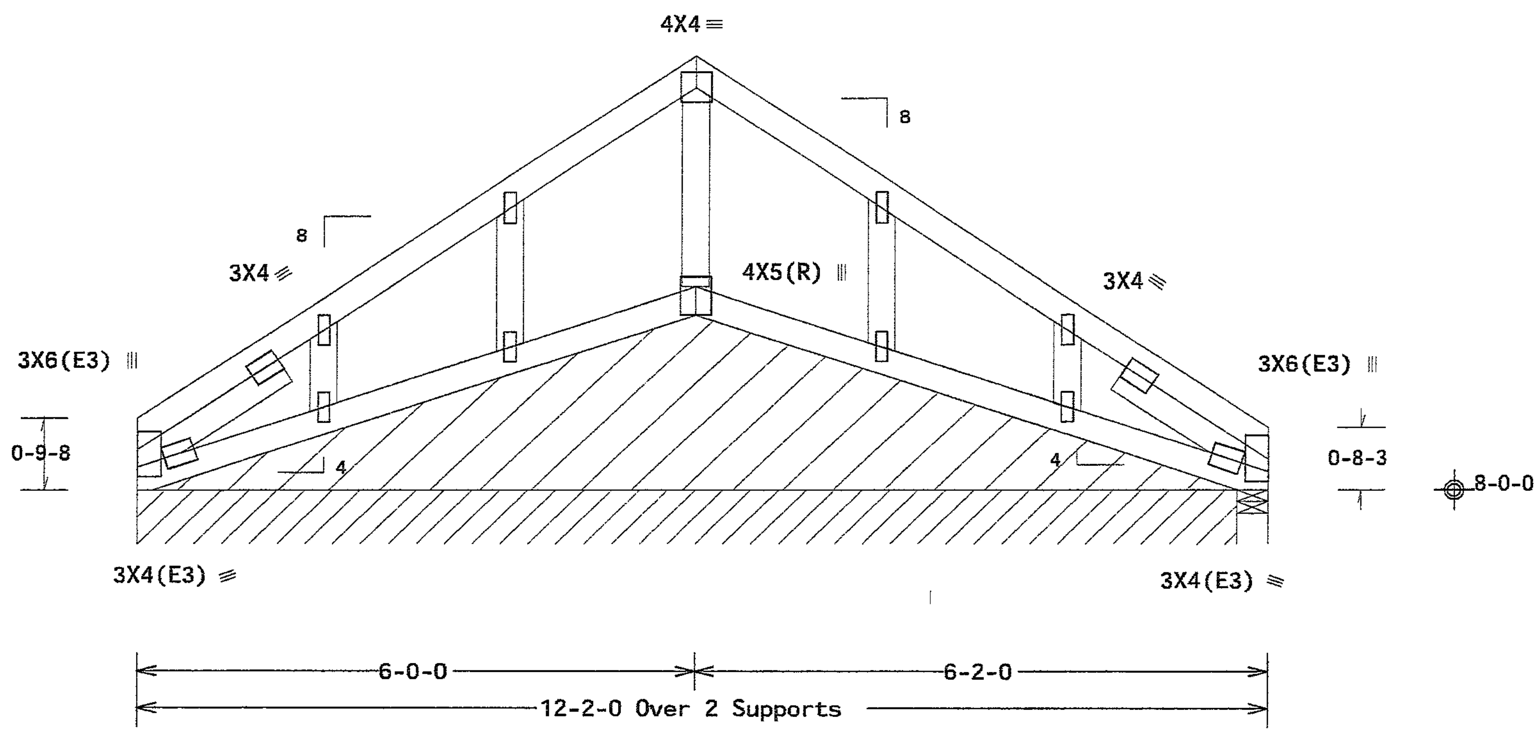
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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 MWFRS 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

R=475 U=126 W=4"

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.1.0209.24 QTY:1 FL/-/2/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

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

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

TC LL	20.0 PSF	REF R2327- 47228
TC DL	7.0 PSF	DATE 09/19/13
BC DL	10.0 PSF	DRW HCUSR2327 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- 1UZS2327Z01

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

(L0866-84 LUMBER CASON/BRADLEY - T30)

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

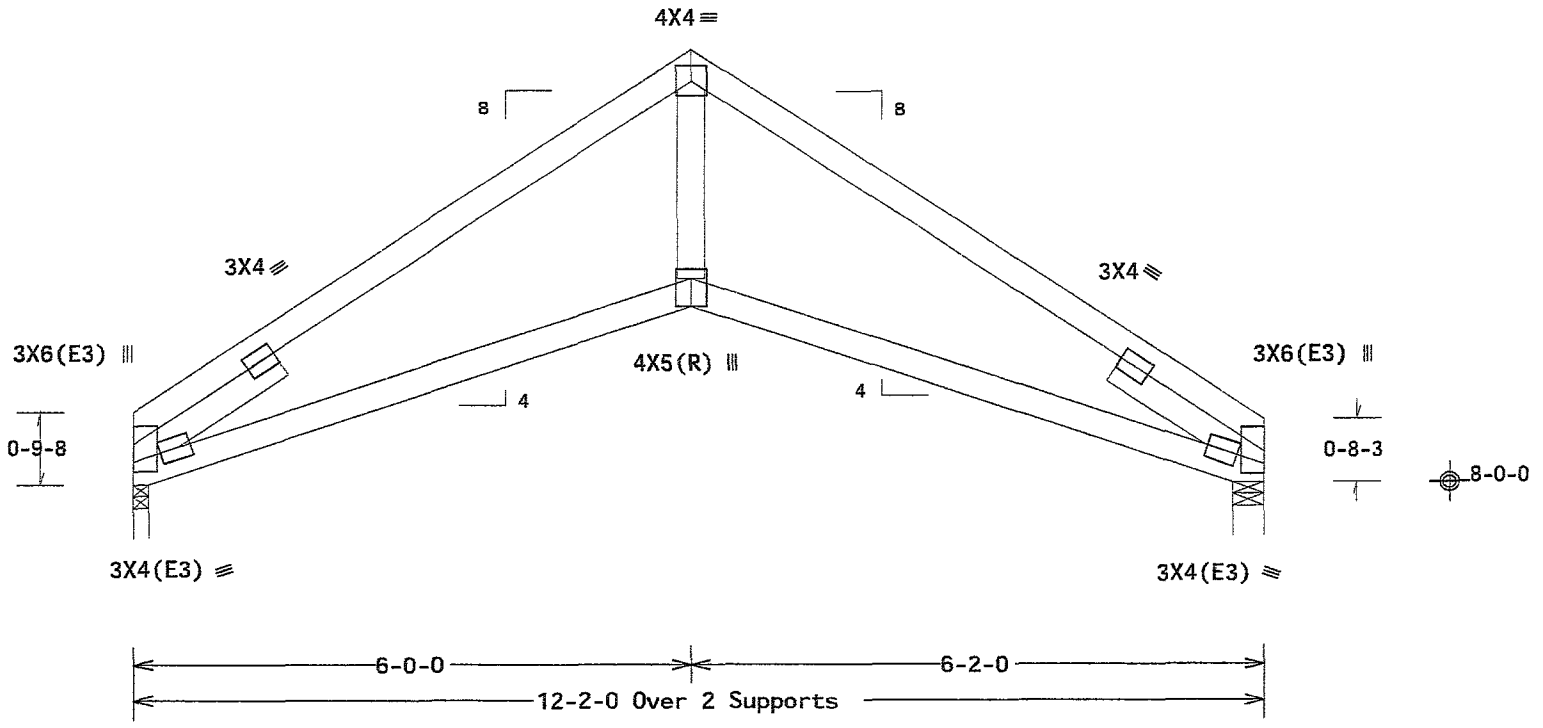
Bottom chord checked for 10.00 psf non-concurrent live load.

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.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

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

Scale =.5"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

TC LL	20.0 PSF	REF	R2327- 47227
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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 DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(LO866-84 LUMBER CASON/BRADLEY - T29)

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.

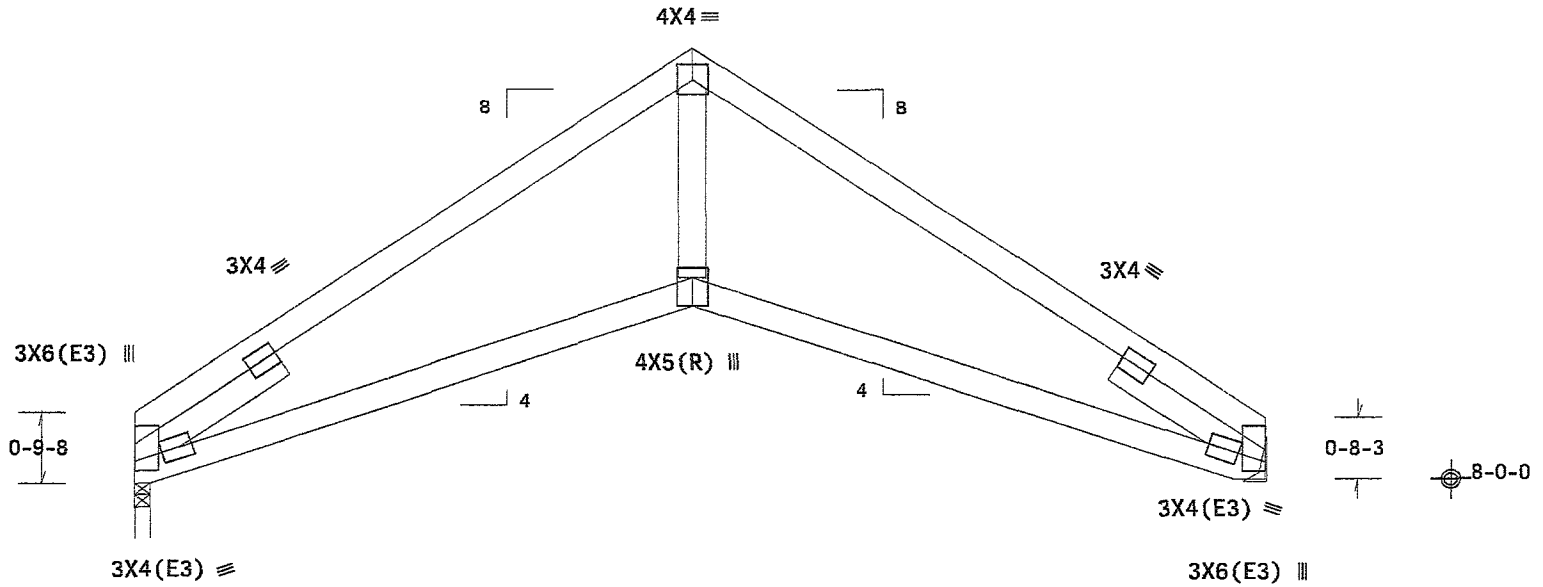
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=20%(0%)/10(0) [illegible] V:3 FL/-/2/-/-/R/- Scale =.5"/Ft.

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

TC LL	20.0 PSF	REF R2327- 47226
TC DL	7.0 PSF	DATE 09/19/13
BC DL	10.0 PSF	DRW HCUSR2327 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- 1UZS2327Z01

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

(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 & GBLLETIN0212 for more requirements.

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

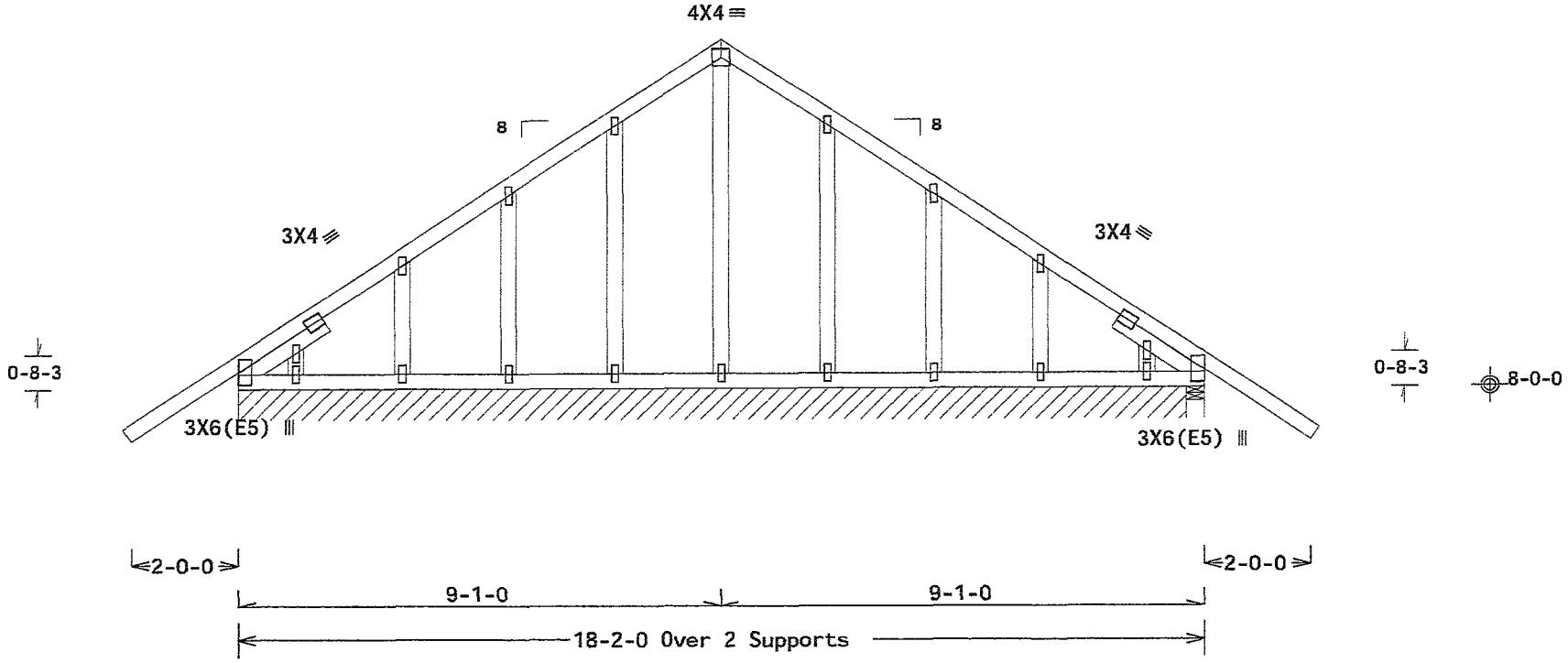
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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 MWFRS 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.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=20%(0%)/10(0) [illegible] :1

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

Scale =.3125"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

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

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TC LL	20.0 PSF	REF	R2327- 47225
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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.

(L0866-84 LUMBER CASON/BRADLEY - T27)

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

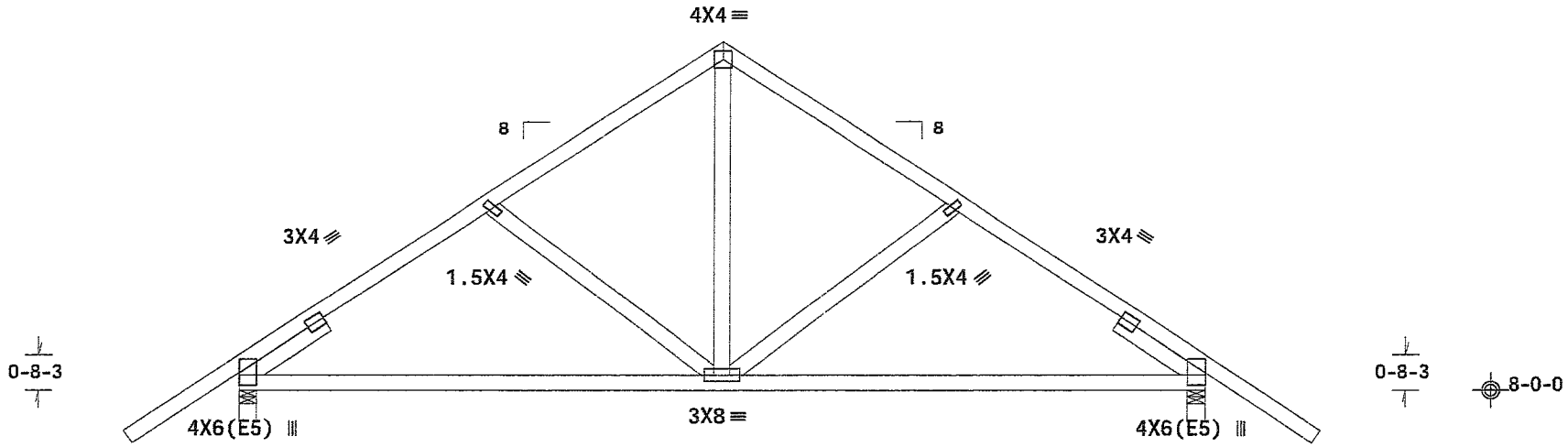
Bottom chord checked for 10.00 psf non-concurrent live load.

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.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

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

Scale =.3125"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

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

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TC LL	20.0 PSF	REF	R2327- 47224
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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

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

(L0866-84 LUMBER CASON/BRADLEY - T26)

Top chord 2x4 SP_#1_13B
Bot chord 2x8 SP_#2_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 57 plf at 0.00 to 57 plf at 9.08
TC- From 57 plf at 9.08 to 57 plf at 18.17
BC- From 20 plf at 0.00 to 20 plf at 2.10
BC- From 10 plf at 2.10 to 10 plf at 16.10
BC- From 20 plf at 16.10 to 20 plf at 18.17
BC- 989.56 lb Conc. Load at 2.10, 4.10, 6.10
BC- 938.62 lb Conc. Load at 8.10,10.10,12.10,14.10
16.10

2 COMPLETE TRUSSES REQUIRED

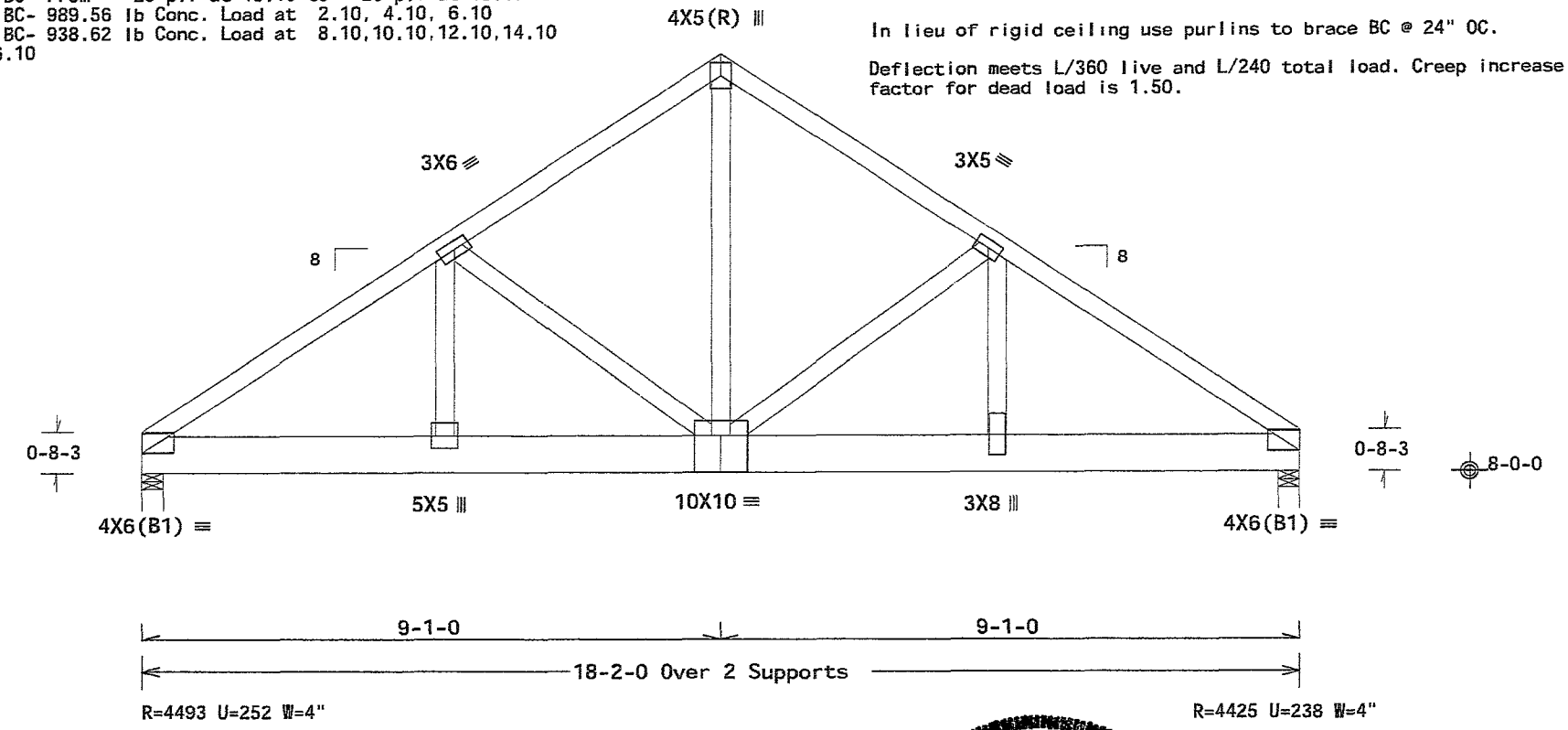
Nail Schedule:0.128"x3.25", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord. 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

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/TPI-2007(STD)

PLT TYP. Wave

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

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

Scale =.375"/Ft.

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

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

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TC LL	20.0 PSF	REF	R2327- 47223
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262038
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672269
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(L0866-84 LUMBER CASON/BRADLEY - T25)

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 & GBLLETIN0212 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.

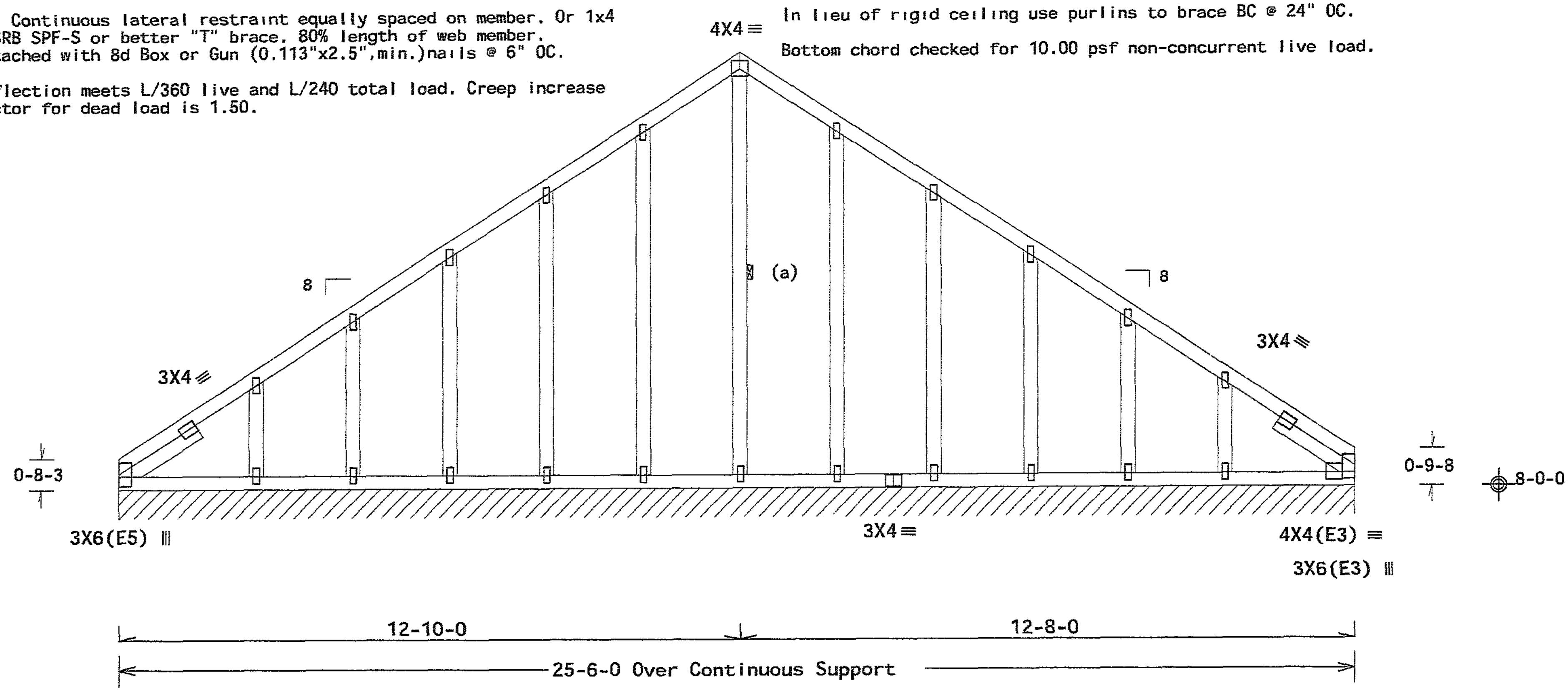
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS 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.

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

PLT TYP. Wave

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

Scale =.3125"/Ft.

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

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

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

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

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

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

REF	R2327- 47222
DATE	09/19/13
DRW	HCUSR2327 13262037
HC-ENG	AP/AP
SEQN-	672268
FROM	JRG
JREF-	1UZS2327Z01

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

(L0866-84 LUMBER CASON/BRADLEY - T24)

Top chord 2x4 SP_#1_13B
Bot chord 2x6 SP_#2_13B
Webs 2x4 SP_#3_13B .W3 2x4 SP_#1_13B:
:Rt Wedge 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.

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

BC attic loading LL = 0.00 psf, DL = 20.00 psf, from 8-10-0 to 16-10-0.

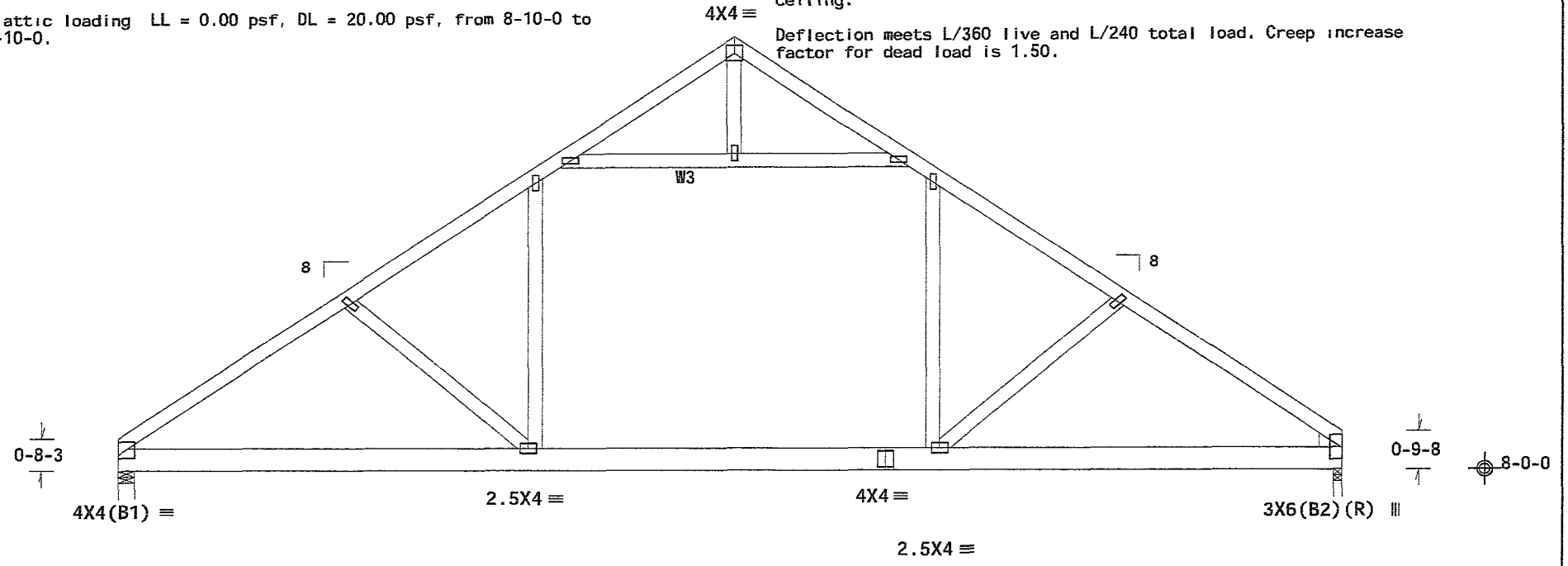
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

Calculated horizontal deflection is 0.06" due to live load and 0.21" due to dead load.

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

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



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit. FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 10.0 1.1.0209.24 QTY 8 FL/-/2/-/-/R/- Scale =.3125"/Ft.

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

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ITW Build ng Components Group Inc (ITWBCG) shall not be respons ble for any deviation from this design any failure to build the truss in conformance w th ANSI/TPI 1 or for handling shipping instal brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on the Details unless noted othermise Refer to drawings 160A-Z for standard plate posit ons. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Des gner per ANSI/TPI 1 Sec 2 For more information see Th s job general notes page ITW-BCG www twbcg com, TPI www tpinst org, WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20.0 PSF	REF	R2327- 47221
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262036
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672267
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(LO866-84 LUMBER CASON/BRADLEY - T23)

Top chord 2x4 SP_#1_13B
Bot chord 2x6 SP_#2_Dense_13B
Webs 2x4 SP_#3_13B
Rt Wedge 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.

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 5-6-0 to 13-6-0.

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

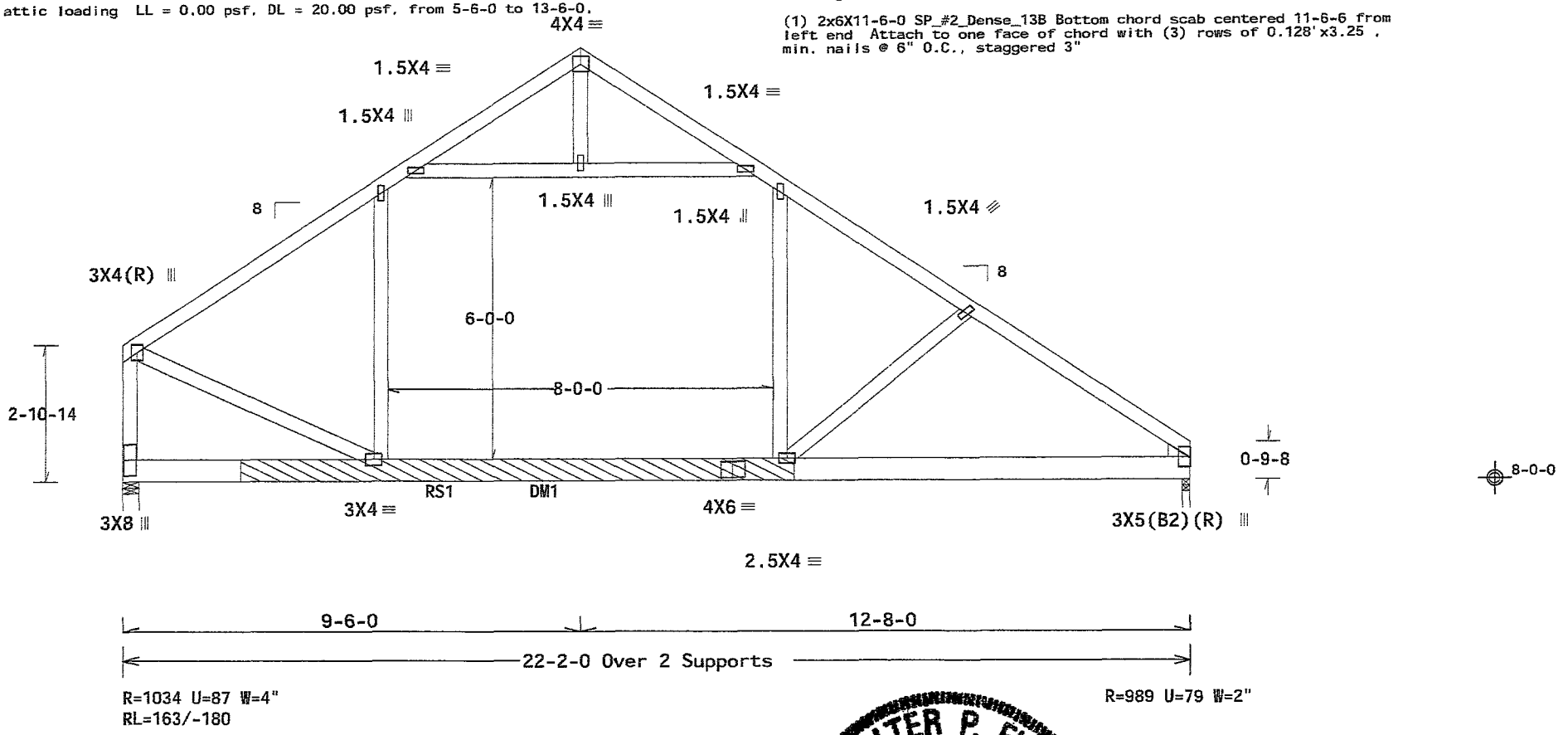
Wind loads and reactions based on MWFRS with additional C&C member design.

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"



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

PLT TYP. Wave

10.03.M.0209.21 QTY: 5

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

Scale =.3125"/Ft.

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

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	HCUSR2327 13262047
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-	1UZS2327Z01

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

(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 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.

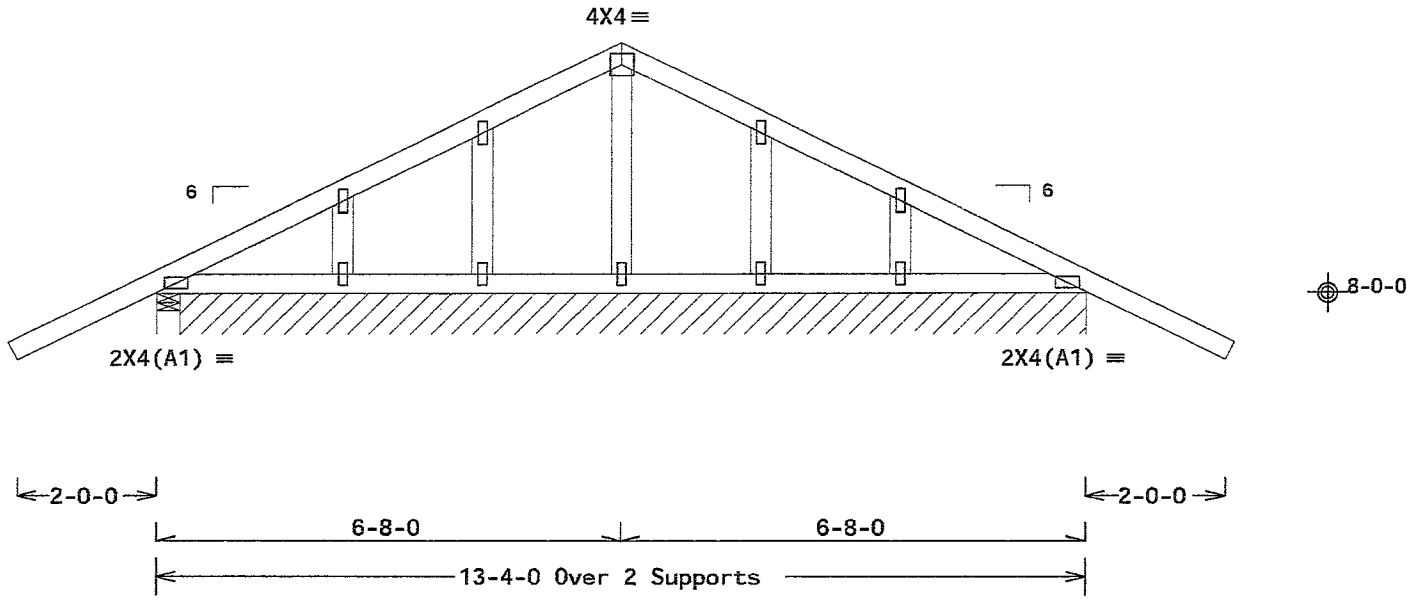
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

See DWGS A14015ENC100212 & GBLLETIN0212 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 PLF=142012SF W=13-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 1.1 FL/-/2/-/-/R/- Scale =.375"/Ft.

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

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

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any dev at un from this com any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on the Details unless noted otherw se Refer to drawings 160A-Z for standard plate positions. A sea drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any struct the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This j general notes page ITW-BCG www itwbcg com TPI www tp nst org WTCA www sbcindustry com ICC www iccsafe org

TC LL	20.0 PSF	REF	R2327- 47219
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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-	1UZS2327Z01

(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.

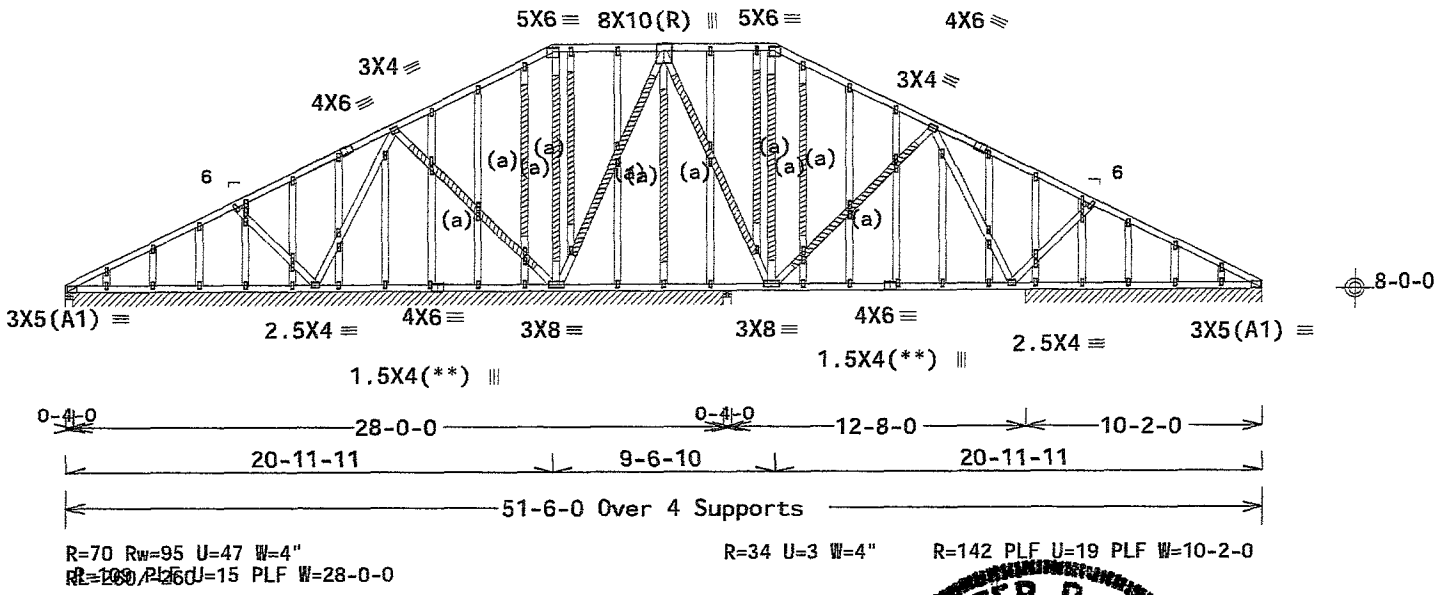
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

See DWGS A14015ENC100212 & GBLLETIN0212 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=34 U=3 W=4"
R=142 PLF U=19 PLF W=10-2-0
R=1089 PLF U=15 PLF W=28-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=20%(0%)/10(0) [illegible] :1 FL/-/2/-/-/R/-

Scale =.125"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

TC LL	20.0 PSF	REF	R2327- 47218
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262033
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672281
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(LO866-84 LUMBER CASON/BRADLEY - T20)

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.

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. GCpi(+/-)=0 18

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

Left cantilever is exposed to wind

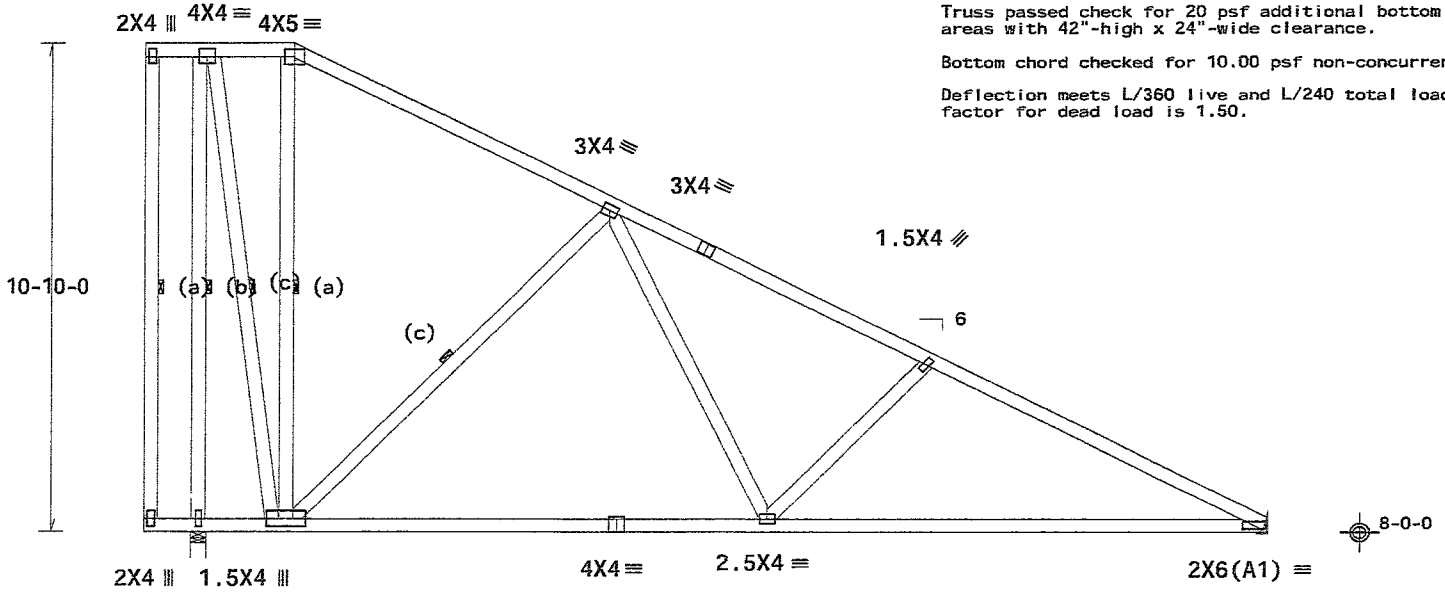
(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6 OC.

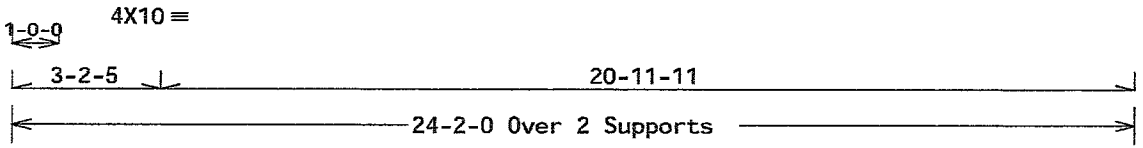
(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better T" brace. 80% length of web member. Attached with 16d Box or Gun (0 135"x3 5" min.)nails @ 6" OC

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.





R=1074 U=171 W=4"
RL=108/-291

R=939 U=28

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

PLT TYP. Wave

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

Scale =.25"/Ft.

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

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Trusses require extreme care in fabricating handling, shipping Installing and bracing ...er to and follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) f... safety practices prior to performing these functions Installers shall provide temporary bracing p... BCSI Unless noted otherwise top chord shall have properly attached structural sheathing and bott... shall have a properly attached rigid ceiling Locations shown for permanent lateral restrai... of web shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

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

TC LL	20.0 PSF	REF R2327- 47217
TC DL	7.0 PSF	DATE 09/19/13
BC DL	10.0 PSF	DRW HCUSR2327 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- 1UZS2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T19)

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. 4X5 ≡

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 MWFRS 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.

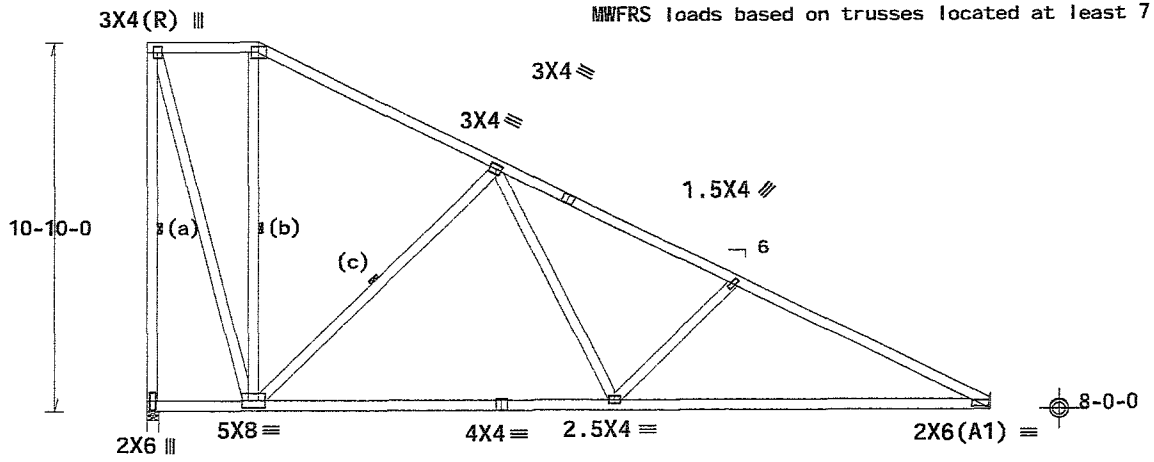
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

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.

MWFRS 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

3-2-5 | 20-11-11

24-2-0 Over 2 Supports

Design Crit: FBC2010Res/TPI-2007(STD) [illegible] / 3

PLT TYP. Wave FT/RT=20%(0%)/10(0) [illegible] FL/-/2/-/-/R/- Scale =.1875"/Ft.

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

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

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TC LL	20.0 PSF	REF	R2327- 47216
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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-	1UZS2327Z01

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

(L0866-84 LUMBER CASON/BRADLEY - T18)

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.

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 MWFRS with additional C&C member design.

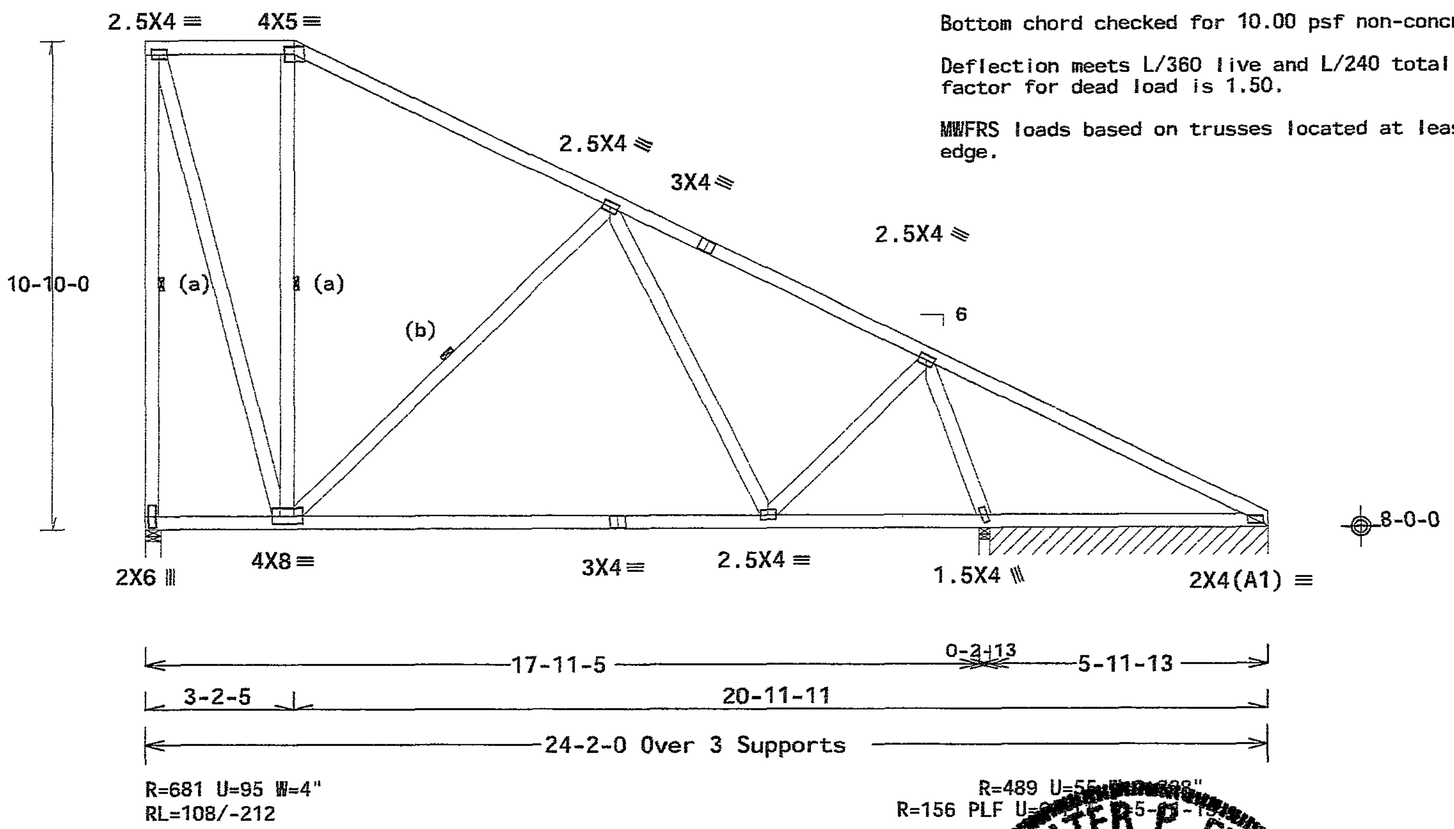
(b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better 'T' brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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.

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

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



PLT TYP. Wave

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

10.0 .M.0209.2 QTY:1 FL/-/2/-/-/R/- Scale =.25"/Ft.

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

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

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

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

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

TC LL	20.0 PSF	REF	R2327- 47215
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262031
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672261
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(L0866-84 LUMBER CASON/BRADLEY - T17)

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.

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

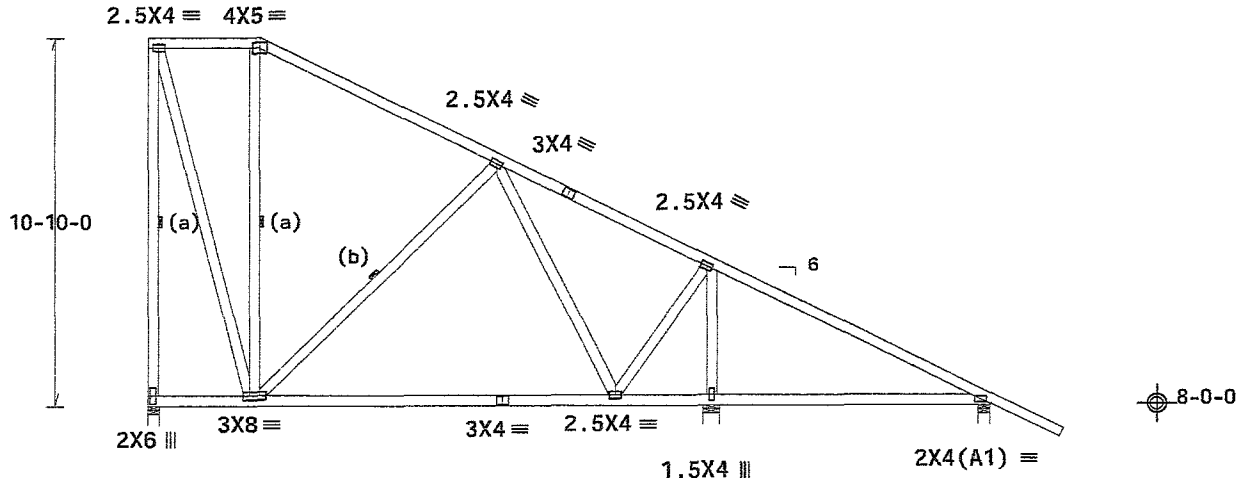
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

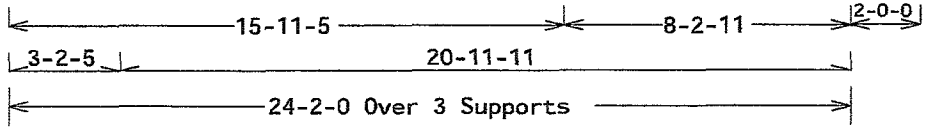
Wind loads and reactions based on MWFRS with additional C&C member design.

(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.

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





R=614 U=97 W=4"
RL=134/-228

R=884 U=0 W=5.657"

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

PLT TYP. Wave

10.03.11.0209.21 QTY 1

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

Scale =.1875"/Ft.

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

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	DRW HCUSR2327 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- 1UZS2327Z01

(LO866-84 LUMBER CASON/BRADLEY - T16)

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.

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

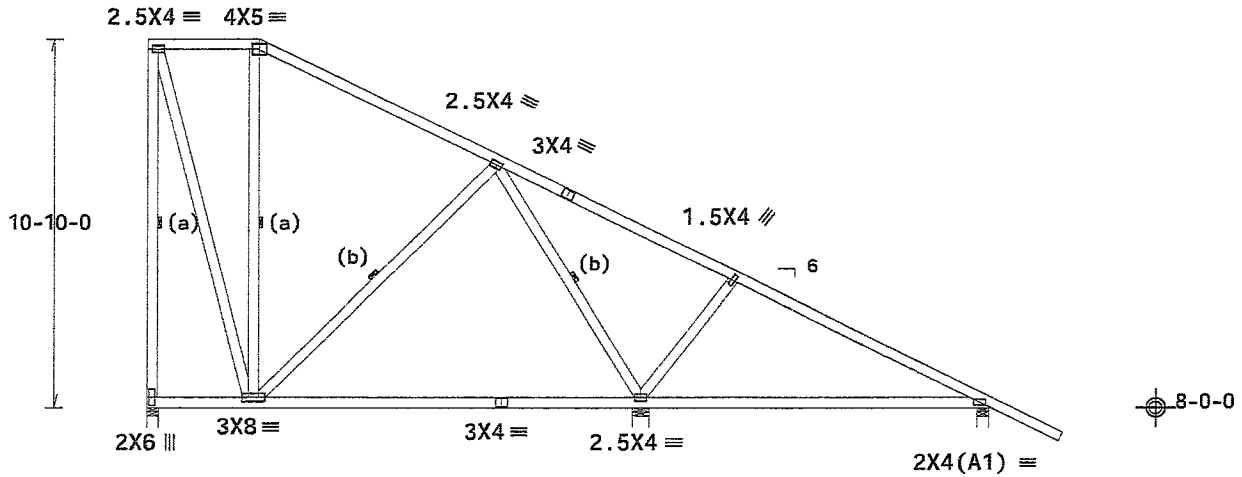
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

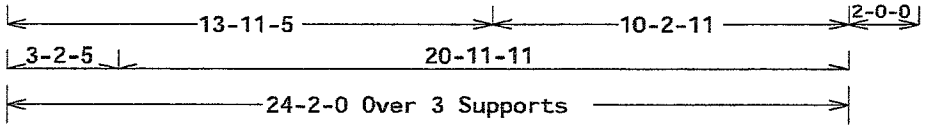
Wind loads and reactions based on MWFRS with additional C&C member design.

(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.

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





R=514 U=96 W=4"
RL=134/-228

R=965 U=0 W=5.657"

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

PLT TYP. Wave

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

Scale =.1875"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

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

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

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TC LL	20.0 PSF	REF	R2327- 47213
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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-	1UZS2327Z01

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

(LO866-84 LUMBER CASON/BRADLEY - T15)

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.

(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.

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, 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

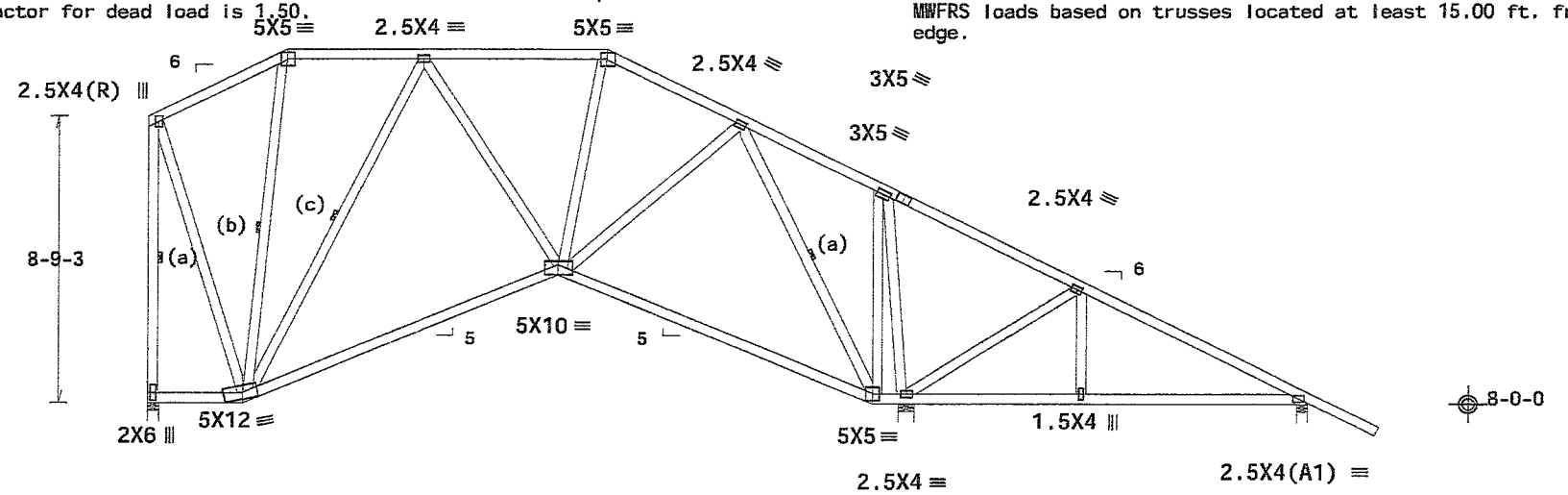
Wind loads and reactions based on MWFRS with additional C&C member design.

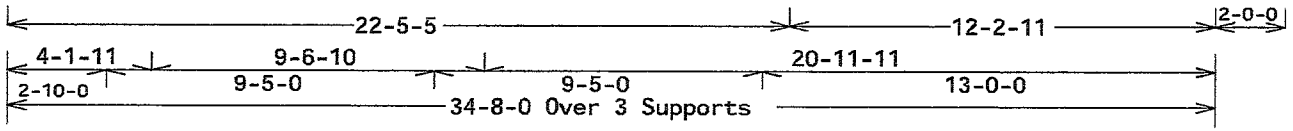
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(c) 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.

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





R=830 U=58 W=4"
RL=162/-228

R=1484 U=0 W=5.657"

R=510 U=29 W=4"

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

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

Scale =.1875"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

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

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TC LL	20.0 PSF	REF	R2327- 47212
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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

(LO866-84 LUMBER CASON/BRADLEY - T14)

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.

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

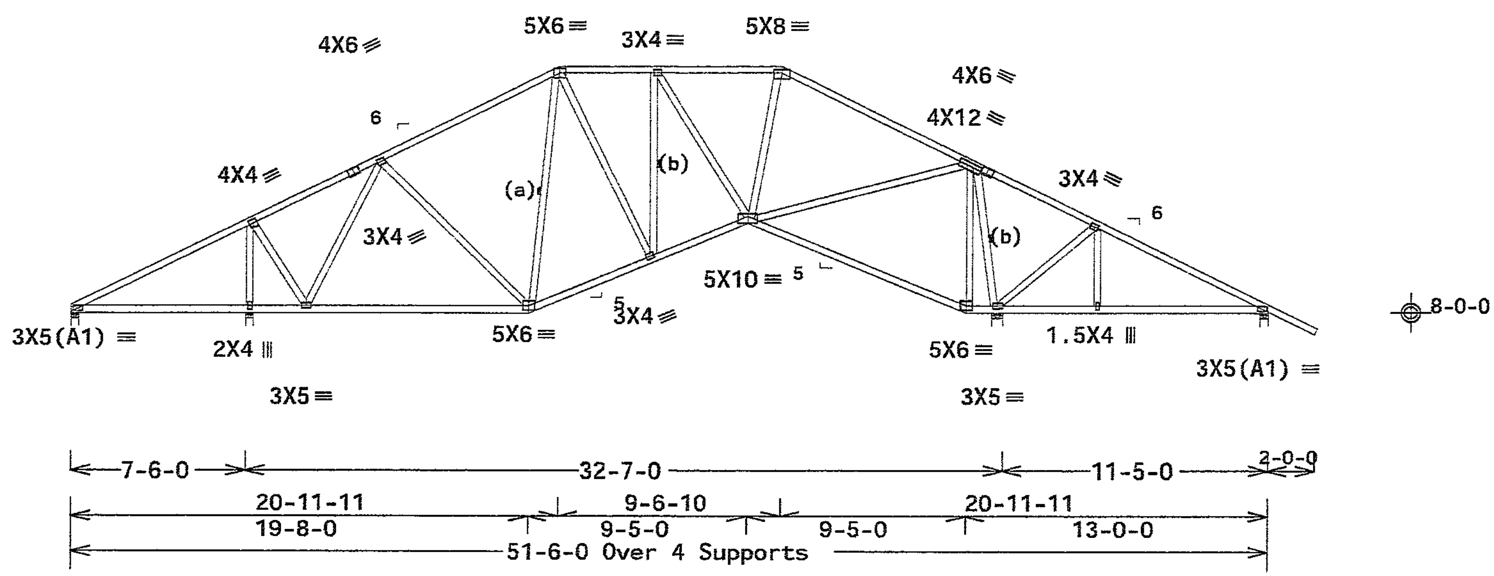
Wind loads and reactions based on MWFRS with additional C&C member design.

(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.

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



R=303 U=6 W=4"
RL=260/-247 R=1514 U=0 W=4"

R=1950 U=0 W=5.657"
R=457 U=63 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.L1.0209.25 QTY:1 FL/-/2/-/-/R/- Scale =.125"/Ft.

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

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

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

REF	R2327- 47211
DATE	09/19/13
DRW	HCUSR2327 13262027
HC-ENG	AP/AP
SEQN-	672257
FROM	JRG
JREF-	1UZS2327Z01

(L0866-84 LUMBER CASON/BRADLEY - T13)

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.

(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.

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

MWFRS 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 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

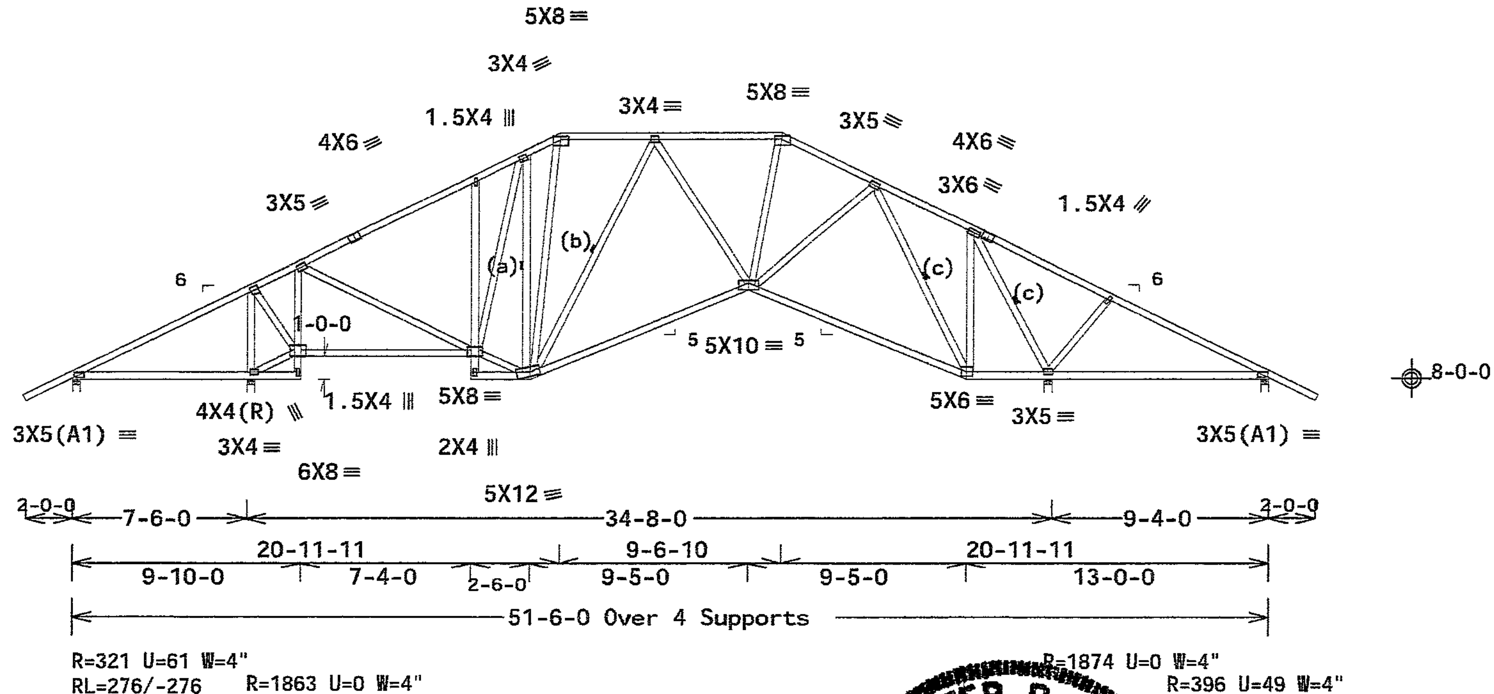
Wind loads and reactions based on MWFRS with additional C&C member design.

(c) 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.

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.



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.LT.0209.24 QTY 3 FL/-/2/-/-/R/-

PLT TYP. Wave

Scale =.125"/Ft.

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

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

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

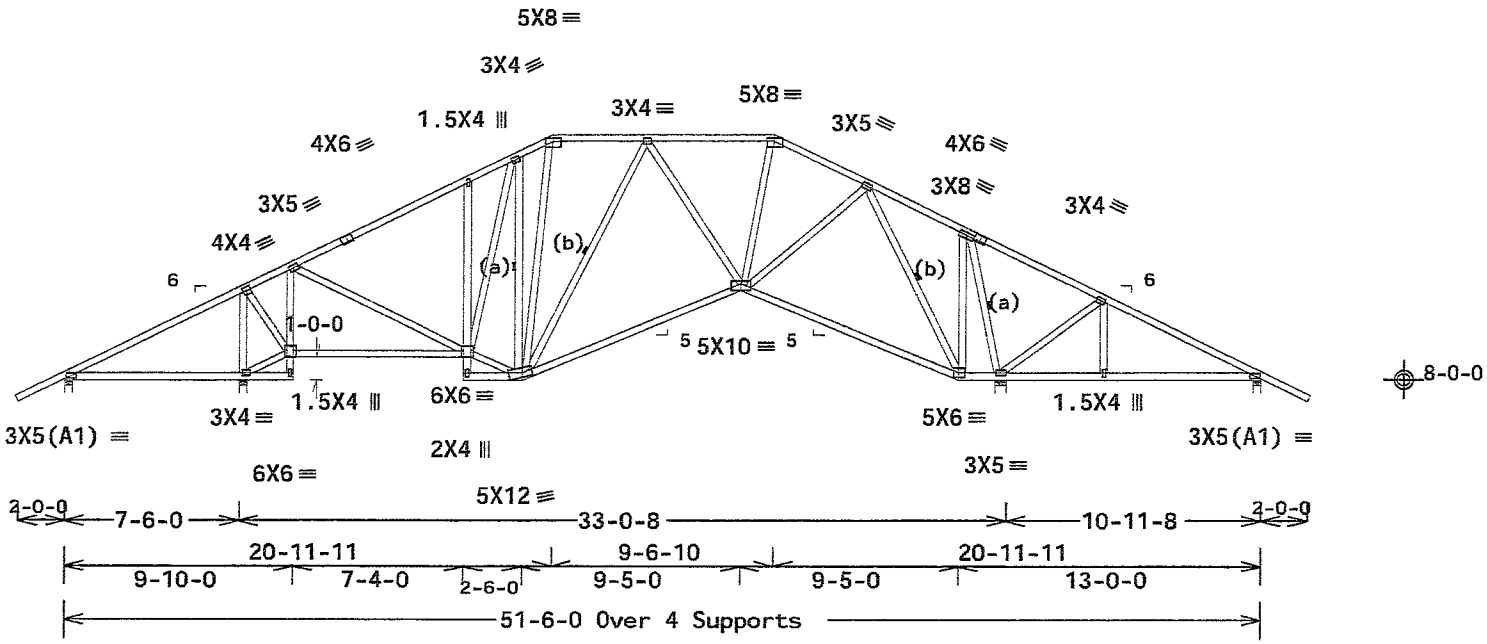
Wind loads and reactions based on MWFRS with additional C&C member design.

(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.

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

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

Scale =.125"/Ft.

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

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

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

ITW Building Components Group Inc (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance w th ANSI/TPI 1 or for handling shipping, installation and bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Detail unless noted otherwise Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page l sting this drawing ind cates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No.0209[illegible] STATE OF FLORIDA PROFESSIONAL ENGINEER
No.22839
09/19/2013

TC LL	20.0 PSF	REF	R2327- 47209
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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

(L0866-84 LUMBER CASON/BRADLEY - T11)

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

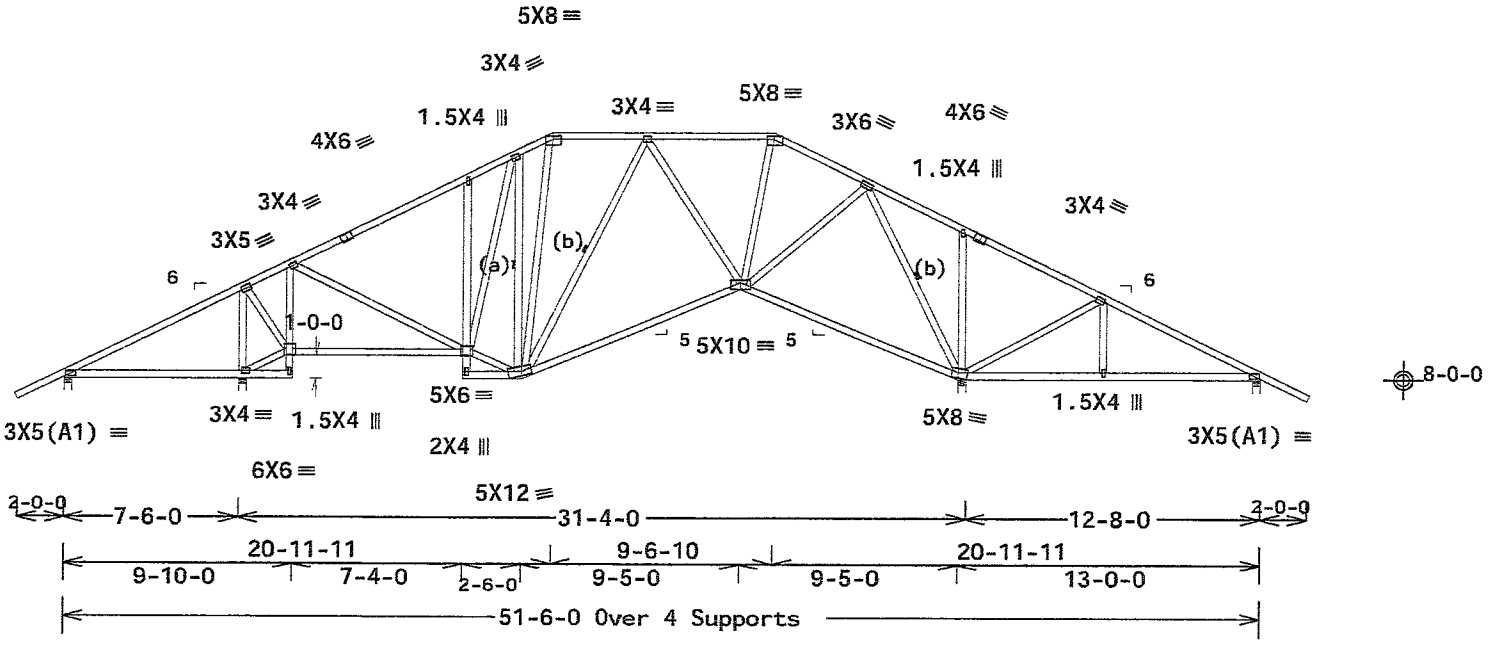
Wind loads and reactions based on MWFRS with additional C&C member design.

(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.

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



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

PLT TYP. Wave

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

Scale =.125"/Ft.

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

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

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TC LL	20.0 PSF	REF	R2327- 47208
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262024
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-	1UZS2327Z01

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

(LO866-84 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 MWFRS with additional C&C member design.

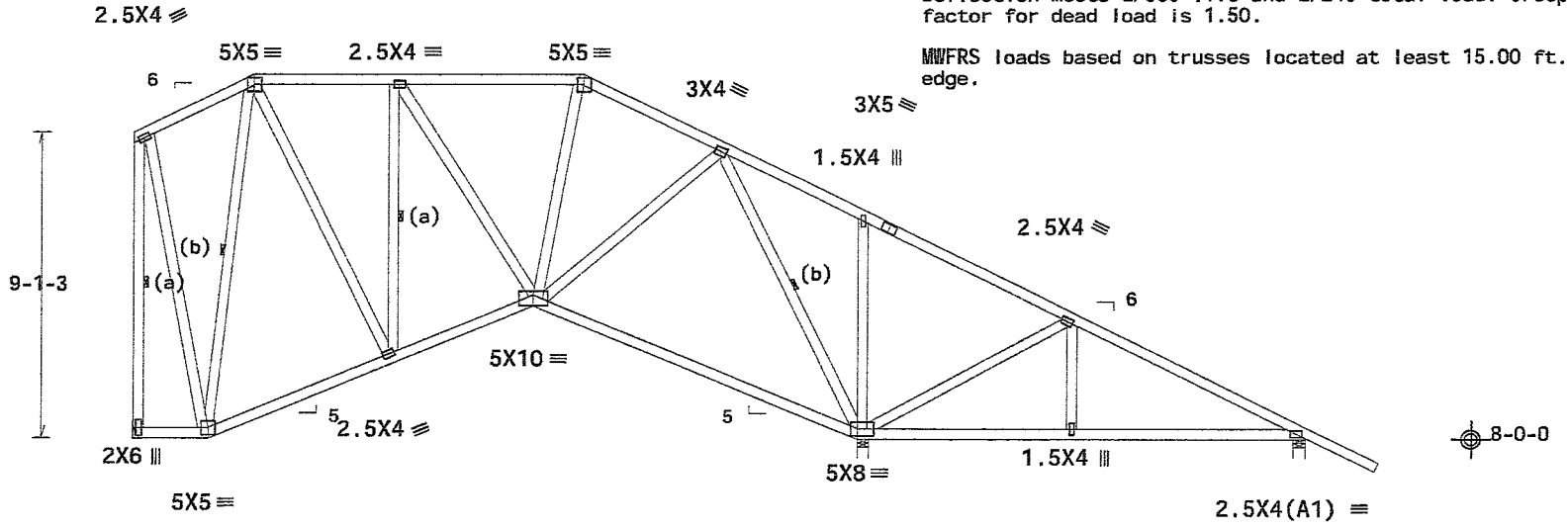
(J) Hanger Support Required, by others

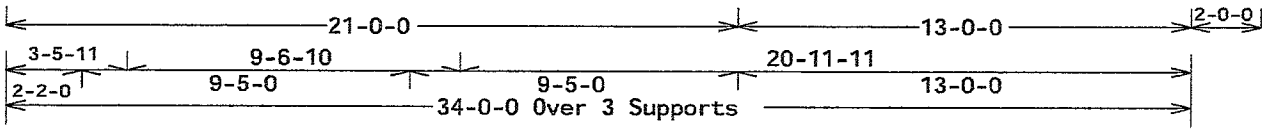
(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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.

MWFRS 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"

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

PLT TYP. Wave

10.08.11.0209.2E QT 2 FL/-/2/-/-/R/-

Scale =.1875"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

TC LL	20.0 PSF	REF	R2327- 47207
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262023
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672253
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(LO866-84 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 plf	at -2.13	to	56 plf	at 20.97
TC- From	56 plf	at 20.97	to	56 plf	at 30.53
TC- From	56 plf	at 30.53	to	56 plf	at 53.63
BC- From	4 plf	at -2.13	to	4 plf	at 0.00
BC- From	20 plf	at 0.00	to	20 plf	at 19.67
BC- From	22 plf	at 19.67	to	22 plf	at 29.08
BC- From	22 plf	at 29.08	to	22 plf	at 38.50
BC- From	20 plf	at 38.50	to	20 plf	at 51.50
BC- From	4 plf	at 51.50	to	4 plf	at 53.63

BC- 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.

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

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.

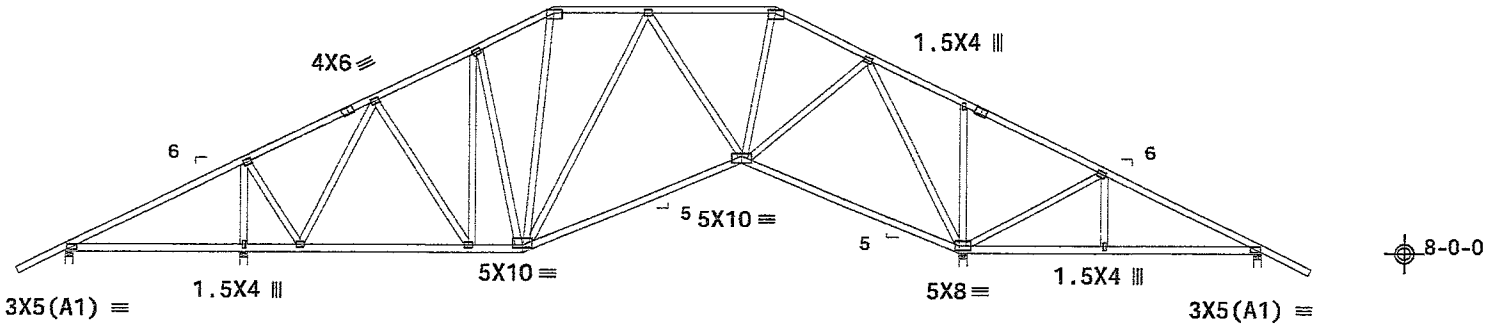
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 13.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

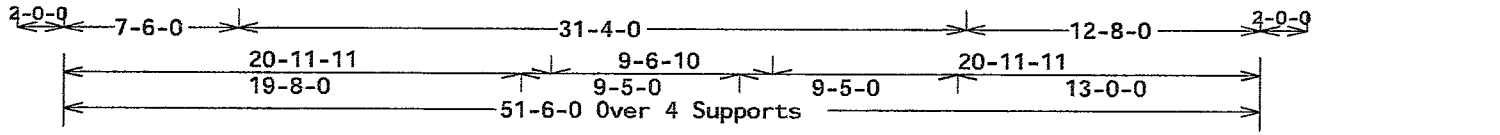
Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

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.





R=417 U=46 W=4"
RL=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/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) [illegible] FL/-/2/-/-/R/- Scale =.125"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
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	HCUSR2327 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-	1UZS2327Z01

(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

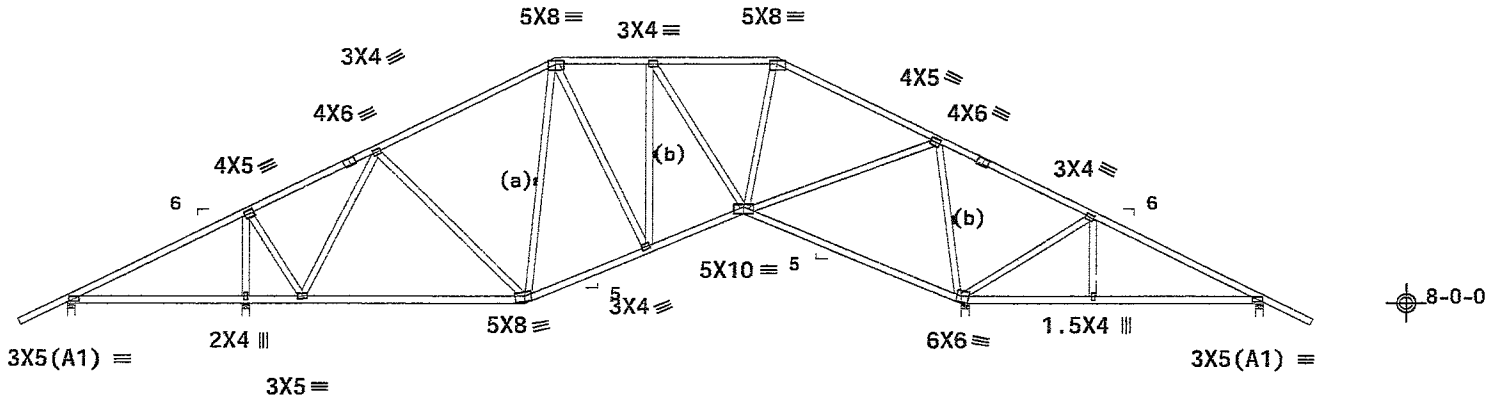
Wind loads and reactions based on MWFRS with additional C&C member design.

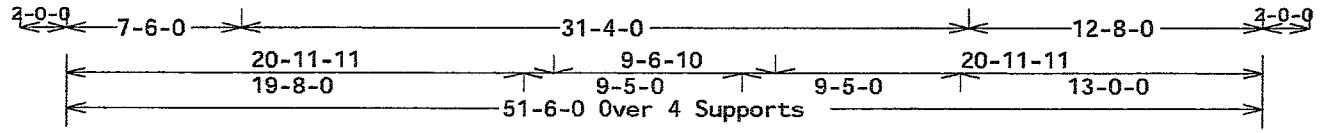
(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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.

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





R=427 U=69 W=4"
RL=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) [illegible] 4 FL/-/2/-/-/R/-

Scale =.125"/Ft.

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

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

TC LL	20.0 PSF	REF	R2327- 47205
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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-	1UZS2327Z01

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

(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.

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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

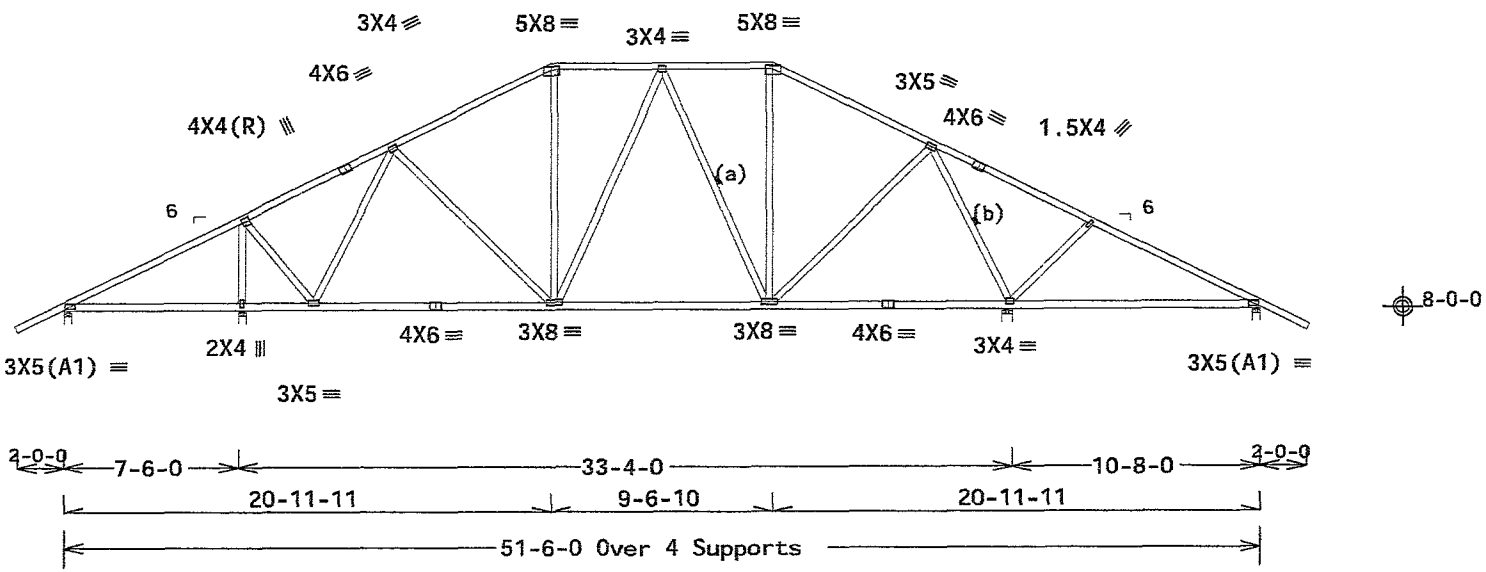
Wind loads and reactions based on MWFRS with additional C&C member design.

(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.

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

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

Scale =.125"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

TC LL	20.0 PSF	REF	R2327- 47204
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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

(LO866-84 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.

MWFRS 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. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS 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.

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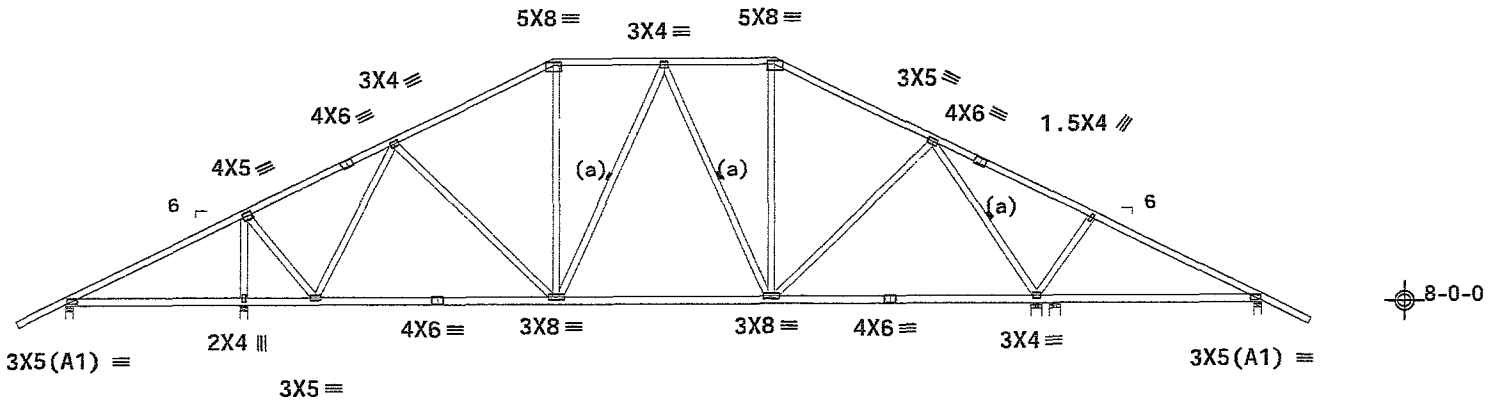

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

10.03.M.0209.2

QTY 1

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

Scale =.125"/Ft.

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

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & bracing of trusses Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job's general notes page ITW-BCG www twbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

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

TC LL	20.0 PSF	REF	R2327- 47203
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262020
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672249
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(L0866-84 LUMBER CASON/BRADLEY - T5)

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.

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

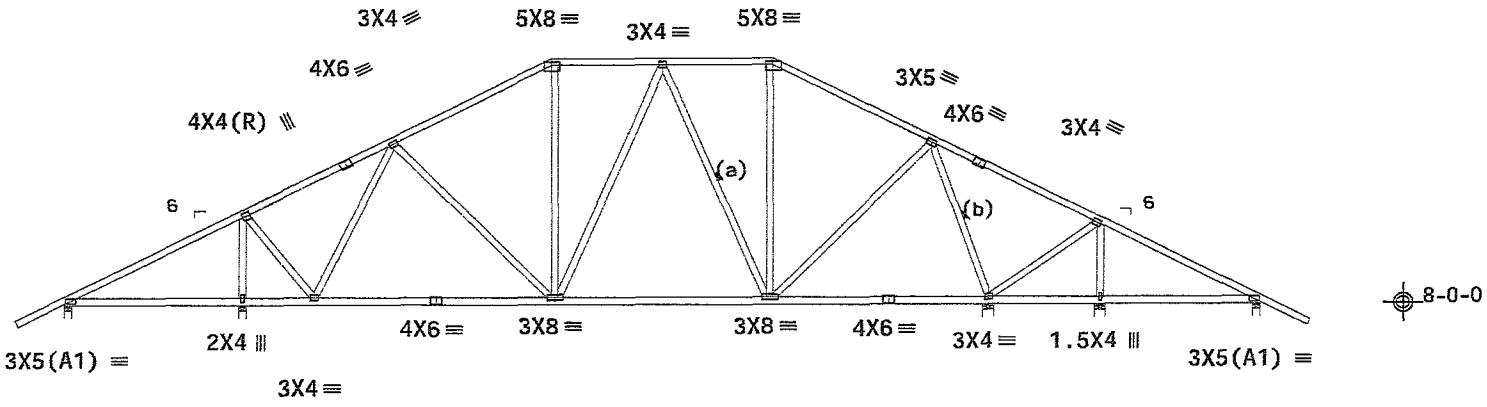
Wind loads and reactions based on MWFRS with additional C&C member design.

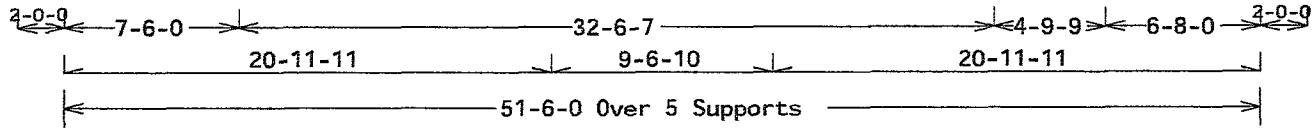
(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" brace, 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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.

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





R=440 U=63 W=4"
RL=276/-276 R=1519 U=166 W=4"

U=177 W=5.657" R=429 U=63 W=4"
R=315 U=27 W=5.657"

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=20%(0%)/10(0) 10.03.11.0209.21 QTY 1 FL/-/2/-/-/R/- Scale =.125"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

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

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

ITW Build ng Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping instal bracing of trusses Apply plates to each face of truss and pos tion as shown above and on the Jo Dete is unless noted otherwise Refer to drawings 160A-Z for standard plate posit ons A seal drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This job general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe 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	HCUSR2327 13262019
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672248
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(L0866-84 LUMBER CASON/BRADLEY - T4)

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

(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.

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. GCpi(+/-)=0.18

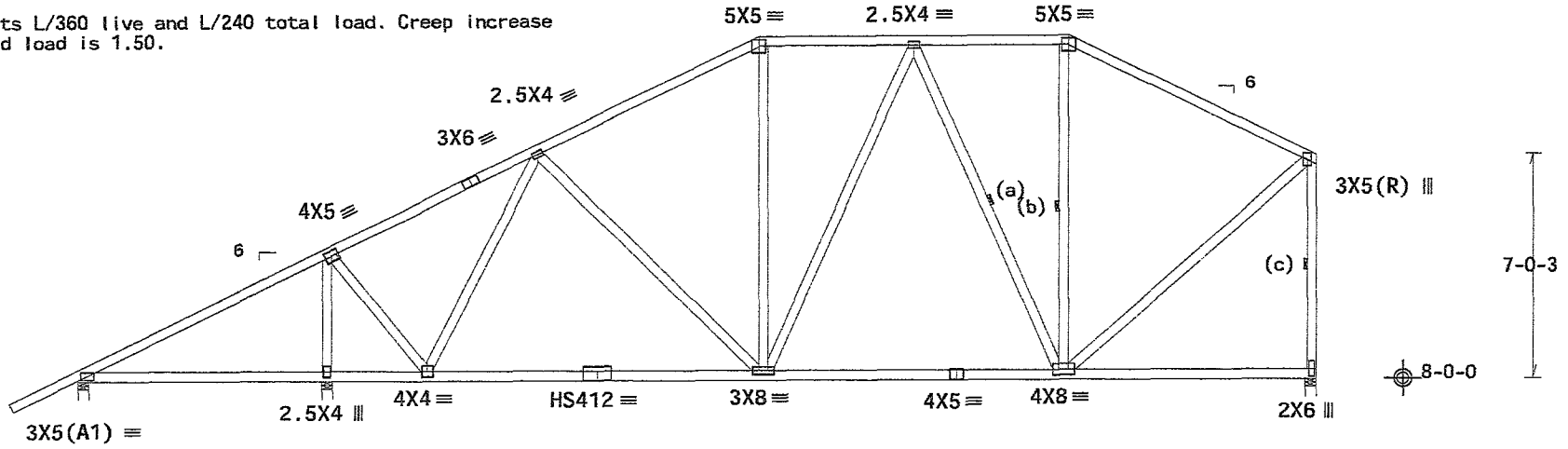
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "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.

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave

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

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

Scale =.1875"/Ft.

WALTER P. FINN LICENSE No.0209... STATE OF FLORIDA PROFESSIONAL ENGINEER No. 22839

09/19/2013

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

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

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TC LL	20.0 PSF	REF R2327- 47201
TC DL	7.0 PSF	DATE 09/19/13
BC DL	10.0 PSF	DRW HCUSR2327 13262021
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- 1UZS2327Z01

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

(L0866-84 LUMBER CASON/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 & GBLLETIN0212 for more requirements.

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

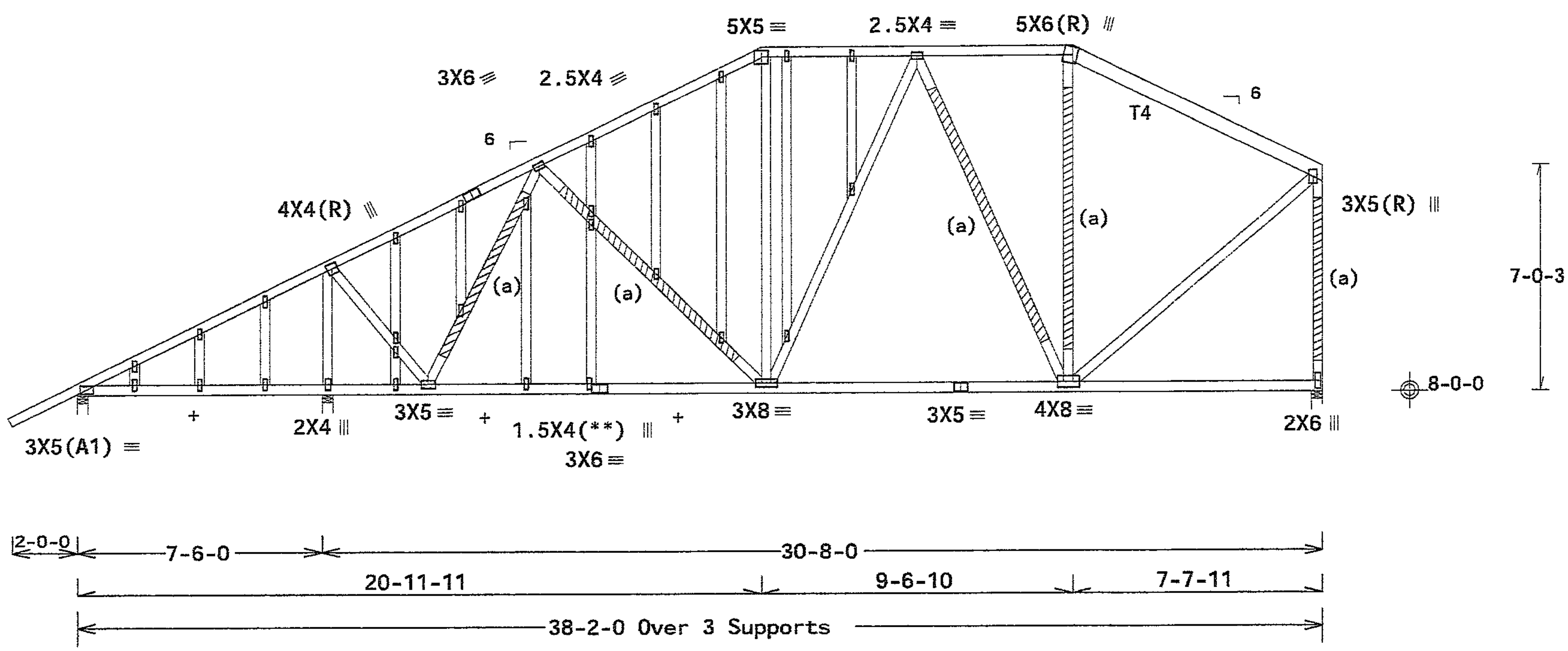
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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 MWFRS 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"

R=1422 U=175 W=4"

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.W.0209.2 QTY 1 FL/-/2/-/-/R/- Scale =.1875"/Ft.

PLT TYP. Wave

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

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

TC LL	20.0 PSF	REF	R2327- 47200
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 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

(LO866-84 LUMBER CASON/BRADLEY - T2)

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.

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, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

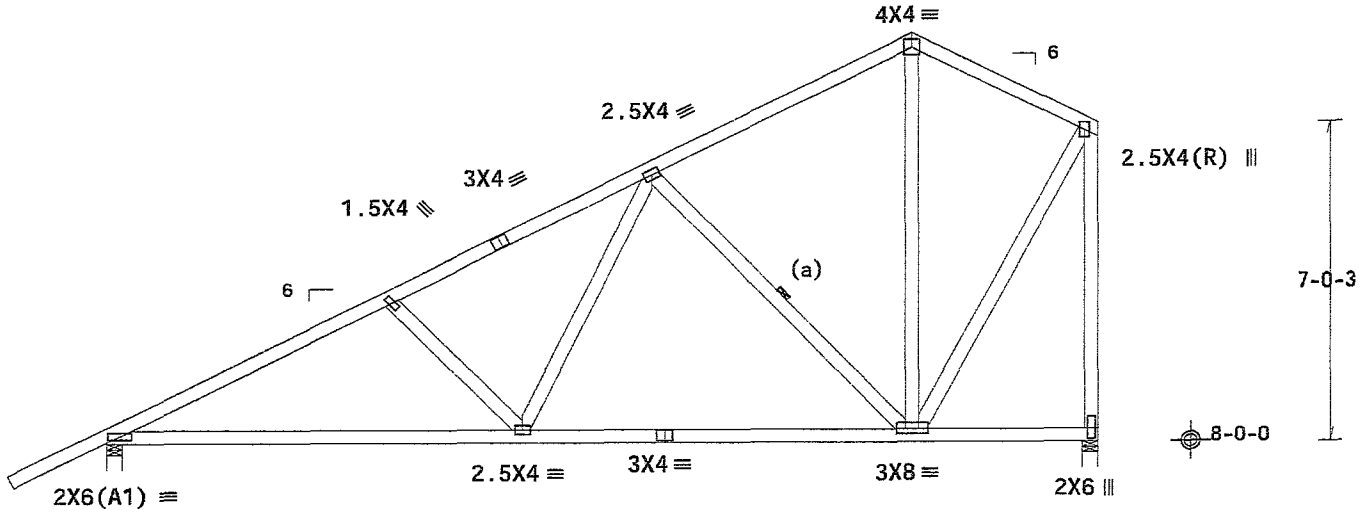
Wind loads and reactions based on MWFRS with additional C&C member design.

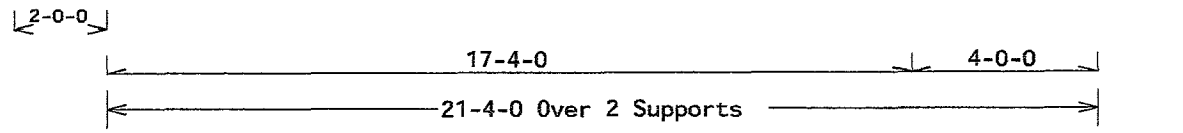
Right end vertical not exposed to wind pressure.

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.





R=991 U=90 W=4"
RL=209/-135

R=857 U=115 W=4"

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

PLT TYP. Wave

QTY 3

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

Scale =.25"/Ft.

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

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

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	DRW	HCUSR2327 13262017
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672245
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

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

(LO866-84 LUMBER CASON/BRADLEY - T1)

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 purlins to brace BC @ 24" OC.

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

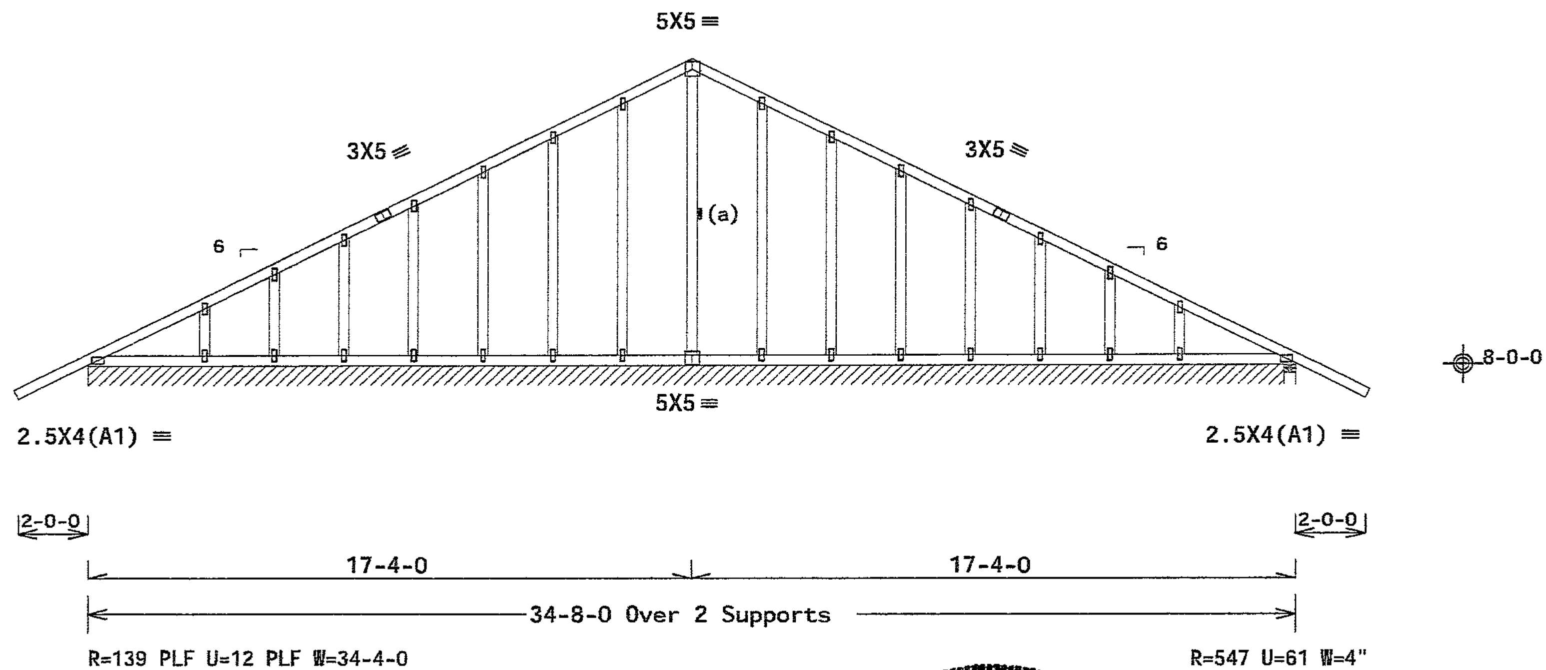
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

See DWGS A14015ENC100212 & GBLLETIN0212 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.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=20%(0%)/10(0) [illegible] :1 FL/-/2/-/-/R/- Scale =.1875"/Ft.

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

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

Trusses require extreme care in fabricating handling shipping installing and bracing [illegible] follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) [illegible] practices prior to performing these functions Installers shall provide temporary bracing [illegible] Unless noted otherwise top chord shall have properly attached structural sheathing and bot[illegible] shall have a properly attached rigid ceiling Locations shown for permanent lateral restra[illegible] 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 fro[illegible] any failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping ins[illegible] brac ng of trusses Apply plates to each face of truss and pos tion as shown above and on th[illegible] Details unless noted otherwise Refer to drawings 160A-Z for standard plate posit ons A se[illegible] drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown The suitability and use of this design for any struc[illegible] the responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see This [illegible] general notes page ITW-BCG www itwbcg com TPI www tpinst org WTCA www sbcindustry com ICC www iccsafe org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/19/2013

TC LL	20.0 PSF	REF	R2327- 47198
TC DL	7.0 PSF	DATE	09/19/13
BC DL	10.0 PSF	DRW	HCUSR2327 13262016
BC LL	0.0 PSF	HC-ENG	AP/AP
TOT.LD.	37.0 PSF	SEQN-	672244
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UZS2327Z01

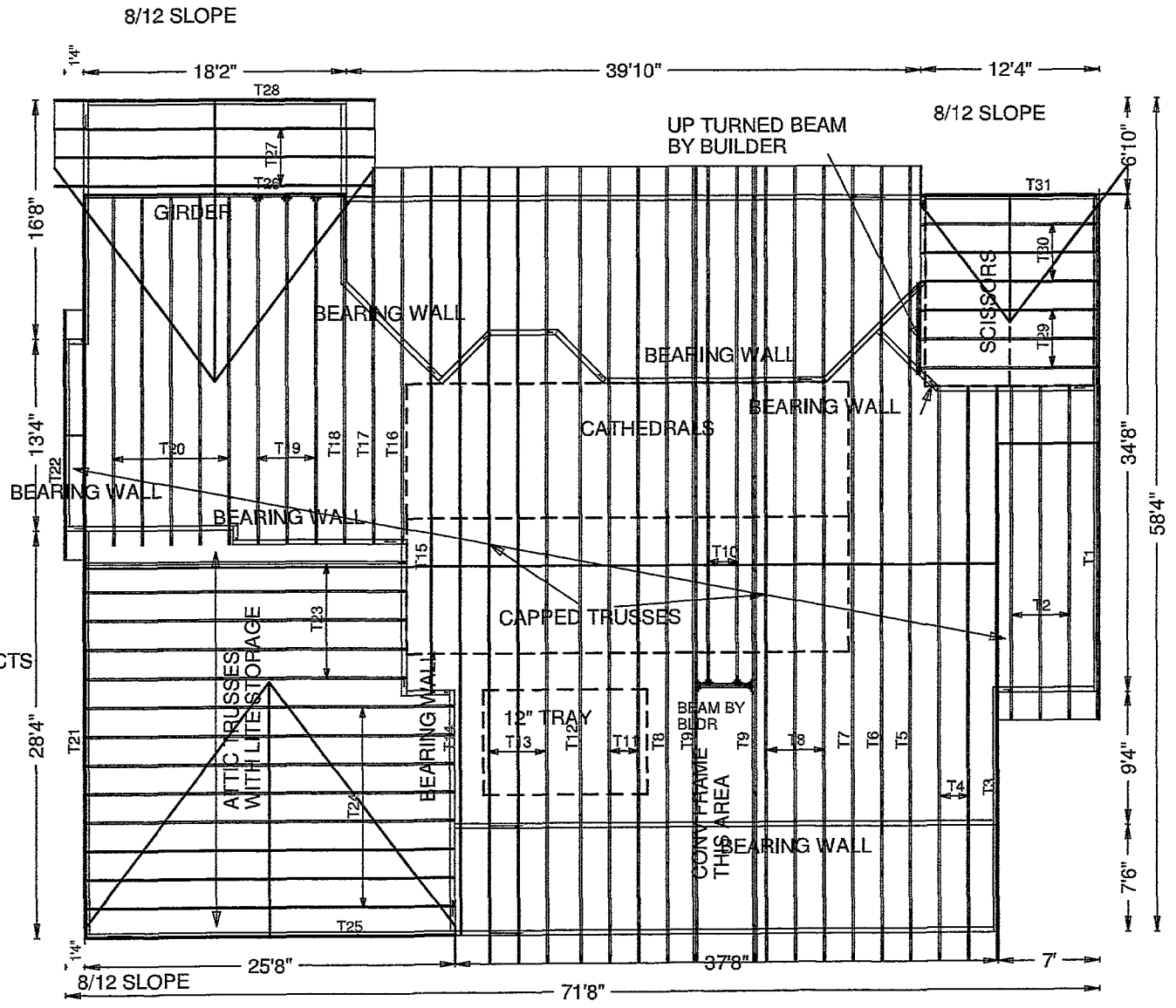
DULEY TRUSS INC.
84 LUMBER
CASON BUILDERS
BRADLEY RES
6/12 SLOPE 2-0 O/H
9/18/13 JRG
L0866

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