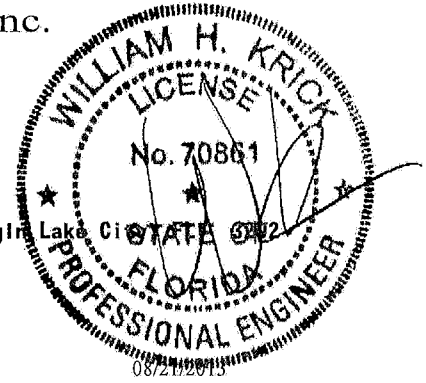


# ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844  
Florida Engineering Certificate of Authorization Number 0 278  
Florida Certificate of Product Approval # FL1999  
Page 1 of 1 Document ID IUYZ487-Z0321135551



Truss Fabricator **Anderson Truss Company**  
Job Identification **13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 33842**  
Truss Count **29**  
Model Code **Florida Building Code 2010**  
Truss Criteria **FBC2010Com/TPI-2007(STD)**  
Engineering Software **Alpine Software, Version 12.03.**  
Structural Engineer of Record **The identity of the structural EOR did not exist as of**  
Address **the seal date per section 61615-31.003(5a) of the FAC**  
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**  
**Floor - N/A**  
**Wind - 120 MPH ASCE 7-10 -Closed**

## Notes

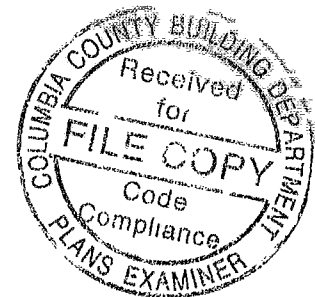
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

William H Krick  
-Truss Design Engineer-

1950 Marley Drive  
Haines City, FL 33844

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

#	Ref	Description	Drawing#	Date
1	03990--A	26' 4" Common	13233050	08/21/13
2	03991--A1	26' 4" Common	13233051	08/21/13
3	03992--A2	25' 4" Common	13233052	08/21/13
4	03993--A3	25' 4" Common	13233053	08/21/13
5	03994--A4	25' 4" Common	13233054	08/21/13
6	03995--A5	25' 4" Common	13233055	08/21/13
7	03996--A6	21' Common	13233056	08/21/13
8	03997--A7	21' Common	13233057	08/21/13
9	03998--A8	21' Common	13233058	08/21/13
10	03999--A9	21' Common	13233059	08/21/13
11	04000--A10	21' Common	13233060	08/21/13
12	04001--B	21' Common	13233061	08/21/13
13	04002--B1	21' Common G1	13233062	08/21/13
14	04003--BGE	10' 8" Gable	13233063	08/21/13
15	04004--BGE1	21' Common	13233064	08/21/13
16	04005--CJ1	1' Jack	13233065	08/21/13
17	04006--CJ3	3' Jack	13233066	08/21/13
18	04007--CJ5	5' Jack	13233067	08/21/13
19	04008--EJ3	2' 10" 8 End J	13233068	08/21/13
20	04009--EJ7	7' End Jack	13233069	08/21/13
21	04010--H11	26' 4" Stepdo	13233070	08/21/13
22	04011--H13	26' 4" Stepdo	13233071	08/21/13
23	04012--H7	26' 4" Stepdown	13233072	08/21/13
24	04013--H7A	21' Stepdown	13233073	08/21/13
25	04014--H9	26' 4" Stepdown	13233074	08/21/13
26	04015--H9A	21' Stepdown	13233075	08/21/13
27	04016--HJ3	4' 0" 13 Hip J	13233076	08/21/13
28	04017--HJ7	9' 10" 13 Hip	13233077	08/21/13
29	04018--MH3	18' 3" 8 Speci	13233078	08/21/13

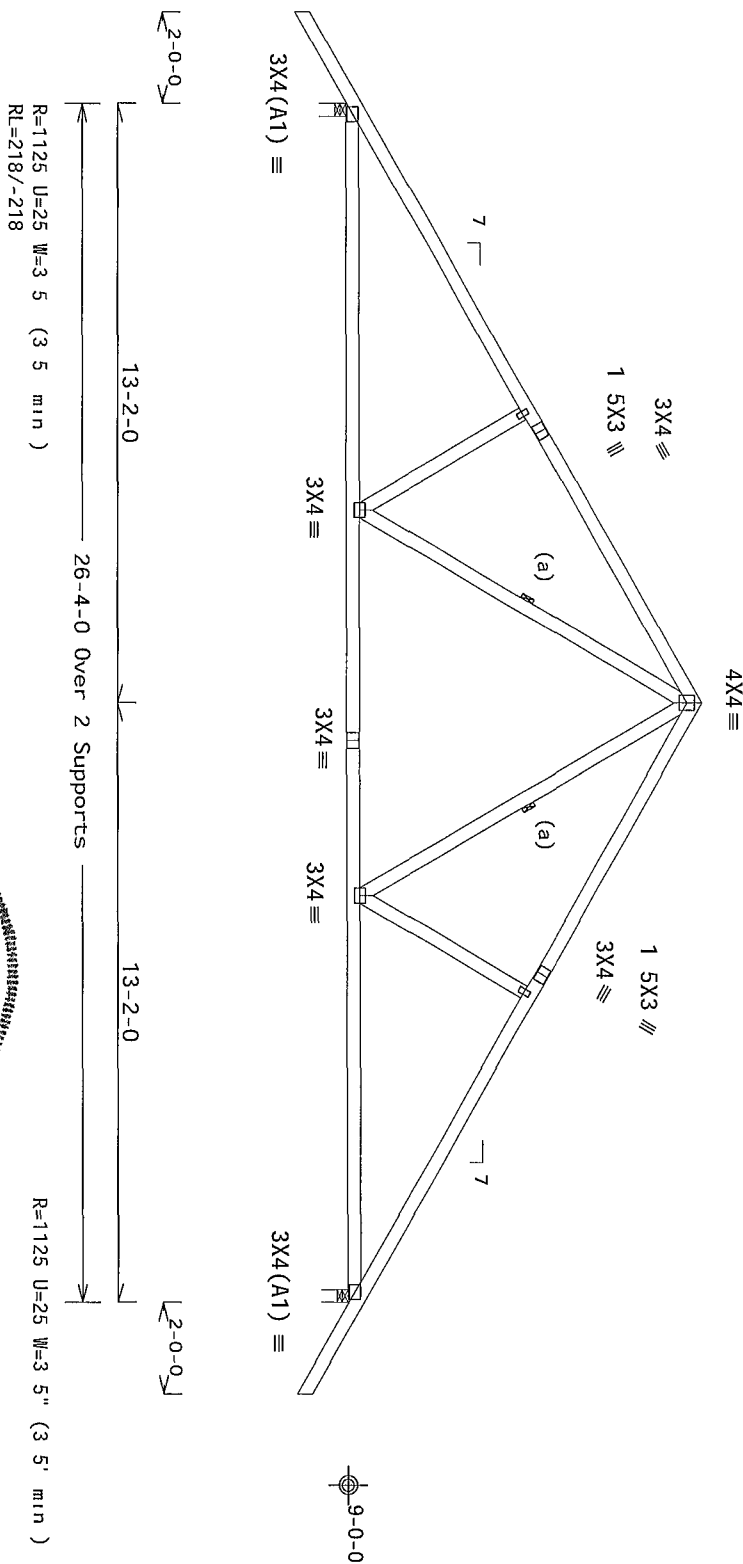


THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

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

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

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



Design Crit FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

ALPINE

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

[illegible]

08-21-2013

TC LL	20 0 PSF	REF	R487-- 3990
TC DL	7 0 PSF	DATE	08/21/13
BC DL	10 0 PSF	DRW	H0USR487 13233050
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	316725
DUR.FAC	1.25	FROM	JMW
SPACING	24 0"	JREF-	1UYZ487_Z03

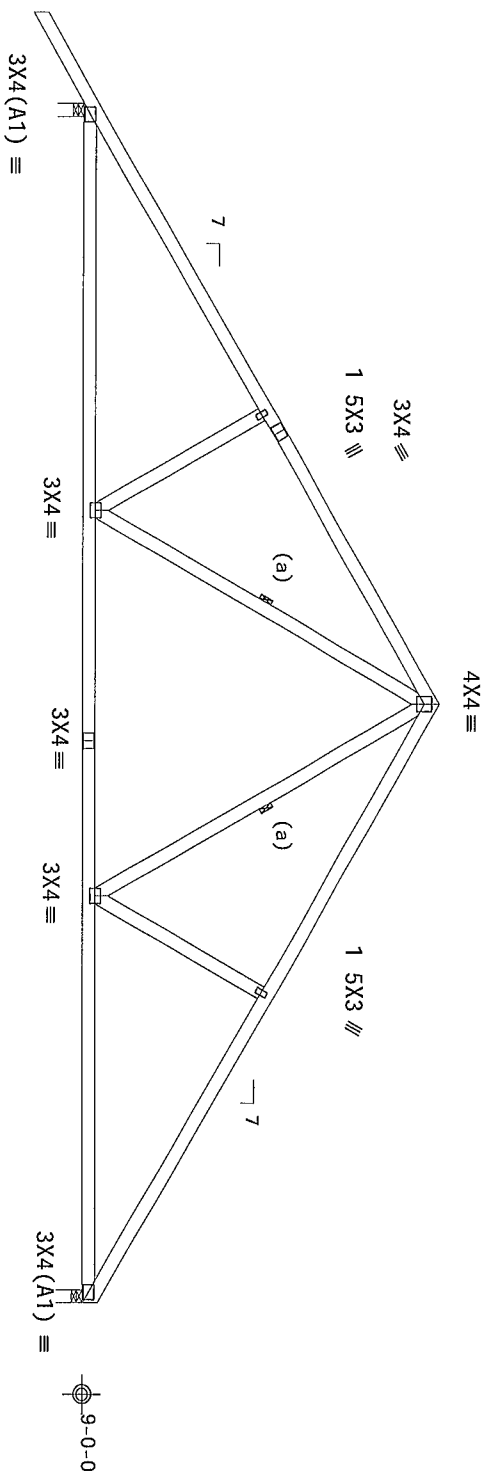
Top chord 2x4 SP #1-13B  
Bot chord 2x4 SP #1-13B  
Webs 2x4 SP #3-13B

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

(a) Continuous lateral bracing equally spaced on member

MMFERS loads based on trusses located at least 30 00 ft from roof edge

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP(+/-)=0 18  
Wind loads and reactions based on MMFERS with additional C&C member design  
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



13-2-0  
13-2-0  
26-4-0 Over 2 Supports  
R=1130 U=20 W=3 5" (3 5' min)  
RL=186/-199

R=998 U=0 W=3 5" (3 5' min)

PLT TYP Wave

Design Crit FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

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

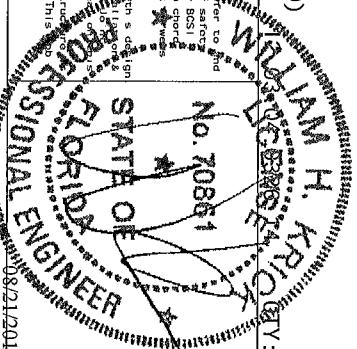
Trusses require extreme care in fabricating, shipping, installing and bracing. Follow the latest edition of BCS1 (Building Component Safety) Information by TPI and WCA. Unless noted otherwise, all trusses shall be fabricated in accordance with the BCS1. Trusses shall have bracing installed per BCS1 sections 83, 87 or 810 as applicable.

ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from the design and construction of the trusses shown on this drawing. The user shall be responsible for the design and construction of the trusses shown on this drawing. The user shall be responsible for the design and construction of the trusses shown on this drawing. The user shall be responsible for the design and construction of the trusses shown on this drawing.

ALPINE

ITW Building Components Group, Inc.

Orlando, FL 32837  
FL COA #0278



TC LL	20.0 PSF	REF R487-- 3991
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 1323051
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD	37.0 PSF	SECM- 316726
DUR.FAC.	1 25	FROM JMW
SPACING	24 0"	JREF- 1UYZ487_Z03

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

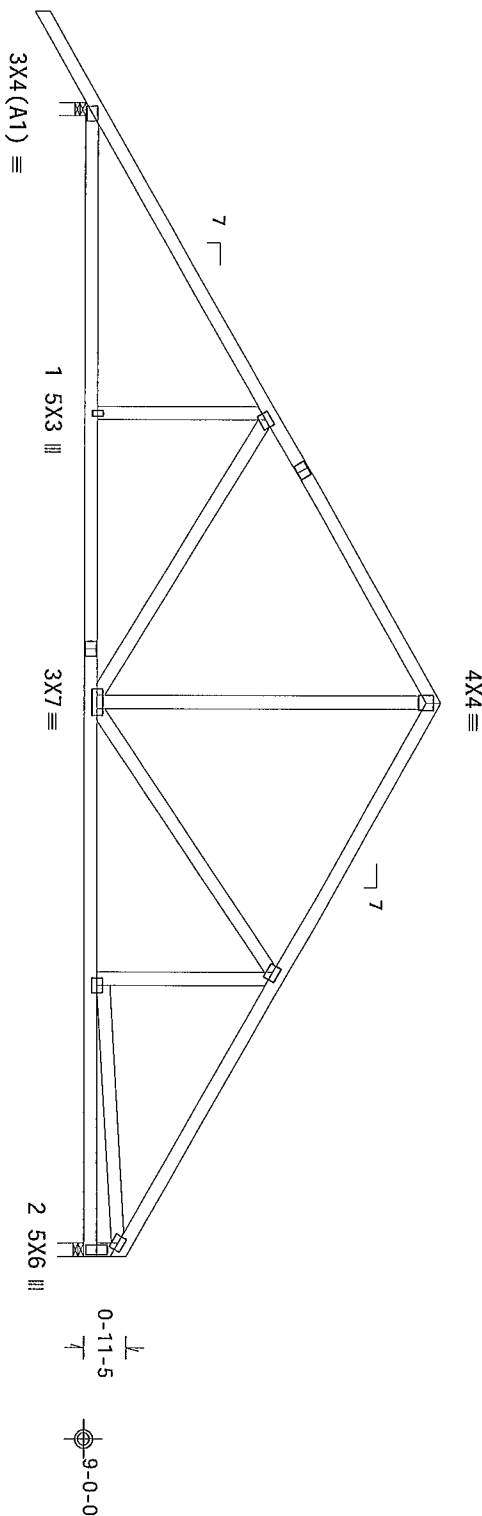
Lumber grades designated with "13B" use design values approved  
1/30/2013 by ALSC

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

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

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

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



13'-2-0  
25'-4-0 Over 2 Supports  
12'-2-0  
R=1098 U=21 W=3.5" (3.5 min)  
RL=183/-189  
R=954 U=0 W=3.5" (3.5 min)

Note All Plates Are 3X4 Except As Shown  
Design Crit. FBC2010Com/TP1-2007(STD)  
PLT TYP. Wave  
FT/RT=10%(0%)/0(0)



ITW Building Components Group Inc.  
Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET.  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.  
Trusses require extreme care in fabricating, handling, shipping, and bracing. Follow the latest edition of BCS1 (Building Component Safety Information by TPI and WTC) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached r g d ceiling. Locate one shown for permanent lateral restraint shall have bracing installed per BCS1 sections 63.07 or 610 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the trusses in conformance with ANSI/TP1-1 or for handling, shipping, and bracing. Details unless noted otherwise. Before to drawings 1806-2, 1806-3, 1806-4, 1806-5, 1806-6, 1806-7, 1806-8, 1806-9, 1806-10, 1806-11, 1806-12, 1806-13, 1806-14, 1806-15, 1806-16, 1806-17, 1806-18, 1806-19, 1806-20, 1806-21, 1806-22, 1806-23, 1806-24, 1806-25, 1806-26, 1806-27, 1806-28, 1806-29, 1806-30, 1806-31, 1806-32, 1806-33, 1806-34, 1806-35, 1806-36, 1806-37, 1806-38, 1806-39, 1806-40, 1806-41, 1806-42, 1806-43, 1806-44, 1806-45, 1806-46, 1806-47, 1806-48, 1806-49, 1806-50, 1806-51, 1806-52, 1806-53, 1806-54, 1806-55, 1806-56, 1806-57, 1806-58, 1806-59, 1806-60, 1806-61, 1806-62, 1806-63, 1806-64, 1806-65, 1806-66, 1806-67, 1806-68, 1806-69, 1806-70, 1806-71, 1806-72, 1806-73, 1806-74, 1806-75, 1806-76, 1806-77, 1806-78, 1806-79, 1806-80, 1806-81, 1806-82, 1806-83, 1806-84, 1806-85, 1806-86, 1806-87, 1806-88, 1806-89, 1806-90, 1806-91, 1806-92, 1806-93, 1806-94, 1806-95, 1806-96, 1806-97, 1806-98, 1806-99, 1806-100, 1806-101, 1806-102, 1806-103, 1806-104, 1806-105, 1806-106, 1806-107, 1806-108, 1806-109, 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1807-110, 1807-111, 1807-112, 1807-113, 1807-114, 1807-115, 1807-116, 1807-117, 1807-118, 1807-119, 1807-

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 bracing equally spaced on member

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

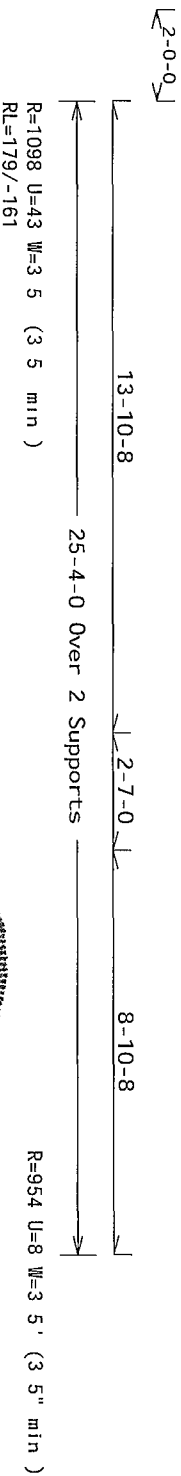
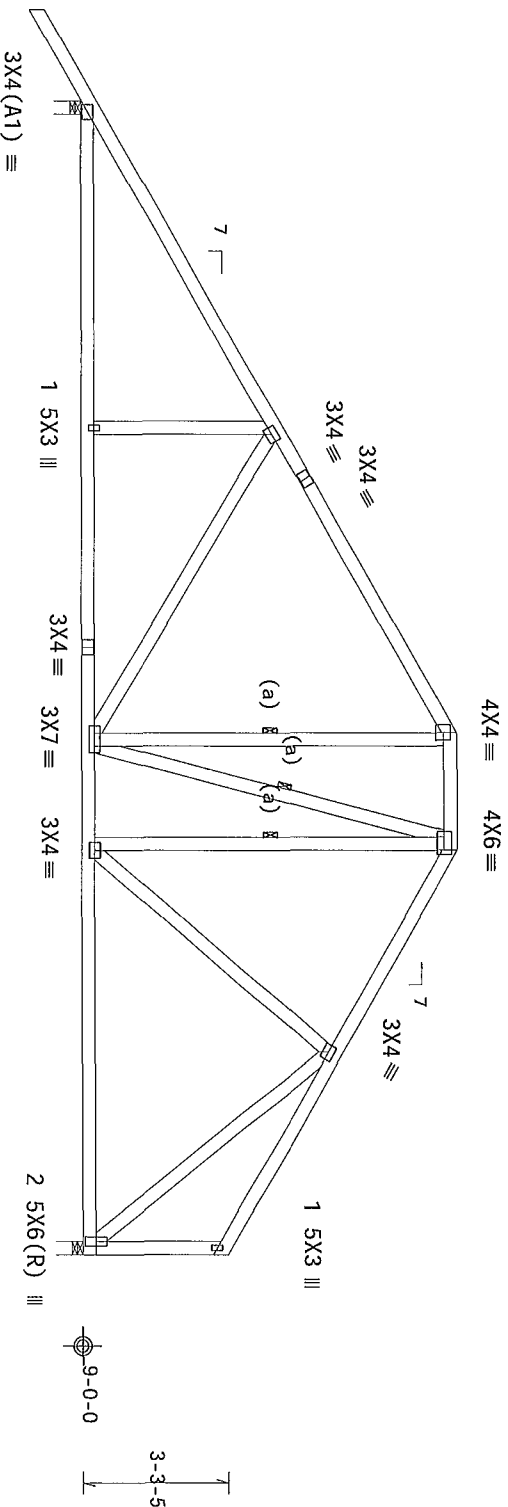
MMFRS loads based on trusses located at least 30 00 ft from roof edge

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

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

Right end vertical not exposed to wind pressure

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



PLT TYP. Wave

Design Crit FBC2010Com/TPI-2007(STD)  
FT/RT=10%(0)/0(0)

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

Scale = .25"/Ft.

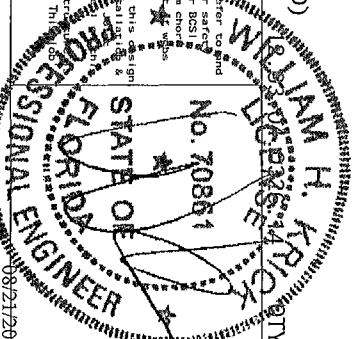
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, shipping, installing and bracing. Follow the latest edition of BCS (Building Component Safety) Information by TPI and WDOA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing. Trusses shall have bracing installed per BCS sections 83 07 or 810 as applicable. Truss Building Components Group Inc (TBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with this design shall be the responsibility of the contractor. Details or cover page listing the design indicates acceptance of professional engineer. The responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see the response by TBCG. www.tbcg.com www.tpiinc.org WDOA www.specindustry.com

ALPINE

TW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278



TC LL	20.0 PSF	REF R487-- 3993
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HOURS487 13233053
BC LL	0.0 PSF	HC-ENG WHK/MHK
TOT. LD	37.0 PSF	SEQN- 316728
DUR. FAC	1.25	FROM JMW
SPACING	24.0"	JREF- 1UYZ487_Z03

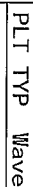
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

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

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

Right end vertical not exposed to wind pressure

MMFRS loads based on trusses located at least 30 00 ft from roof edge


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

Scale = .25"/Ft.

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

(D)

WILLIAM H. KRICK  
No. 70861  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

For record  
state  
of Florida  
has  
this  
day of  
March  
A.D.  
1981  
certified  
that  
the  
above  
is  
a  
true  
and  
correct  
copy  
of  
the  
original  
as  
filed  
in  
my  
office.

THOMAS J. BROWN  
Notary Public  
for the State of Florida

CITY OF JACKSONVILLE

08/21/2011

TC LL	20.0 PSF	REF	R487-- 3994
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233054
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37 0 PSF	SEQN-	316129
DUR.FAC.	1.25	FROM	JMW
SPACING	24 0"	JREF-	1UYZ487_Z03

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

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

Brg blocks	0	131"x3",	min	nails
Brg	x-loc	#blocks	length/bk	#nails/bk
2	25	042'	1	18"
Brg block	to be same size and species as chord			
Refer to drawing CMAA15SP0109 for more information				
				rigid Surface
				wall plate

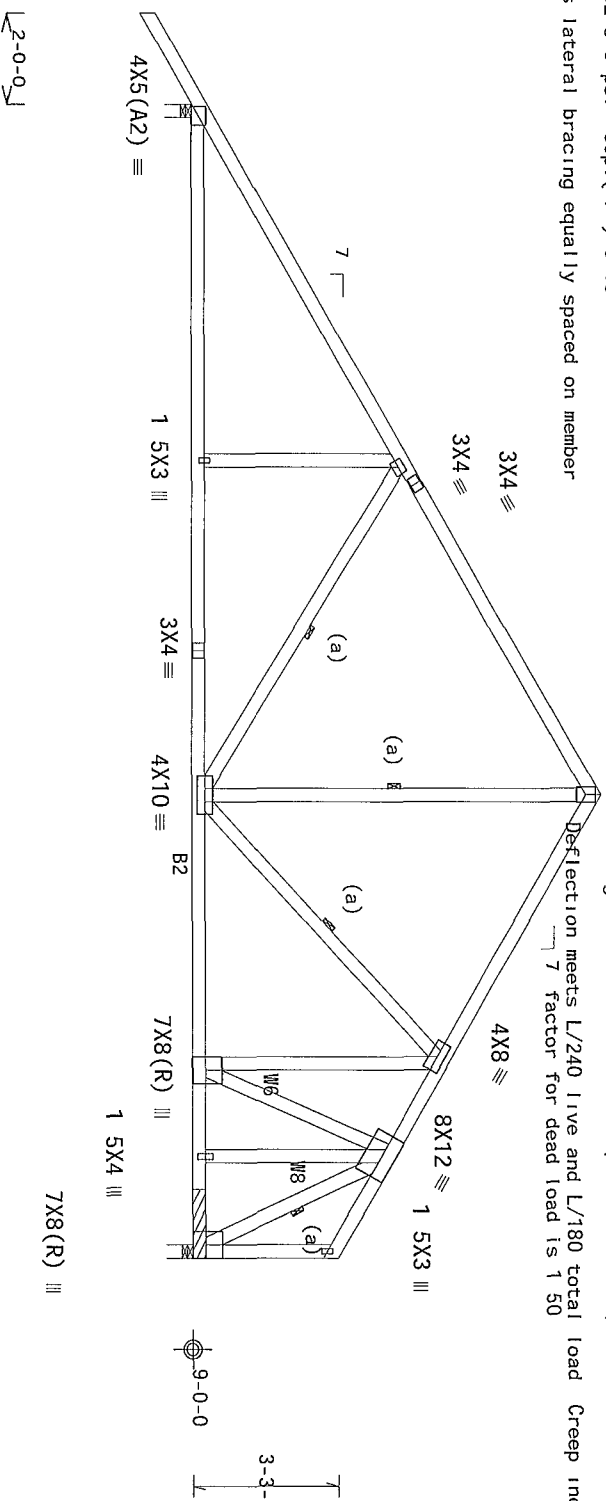
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC DL=5.0 psf GcP(+/-)=0.18

(a) Continuous lateral bracing equally spaced on member

Special loads	Dur	Fac = 1	25 /	Plate	Dur	Fac = 1	25)
-----Lumber							
TC-From	56	pif	at -2	00 to	56	pif	at 8 26
TC-From	56	pif	at 8	26 to	56	pif	at 15 17
TC-From	56	pif	at 15	17 to	56	pif	at 25 33
BC-From	5	pif	at -2	00 to	5	pif	at 0 00
BC-From	20	pif	at 0	00 to	20	pif	at 12 00
BC-From	20	pif	at 12	00 to	20	pif	at 21 06
BC-From	20	pif	at 21	06 to	10	pif	at 23 10
BC-From	10	pif	at 23	10 to	20	pif	at 25 33
BC-4796 23	1b	Conc	Load	at 21 06			
BC-792 65 1b	Conc	Load	at 23 10				

4X5(R) ||| Wind loads and reactions based on MMFRS  
Right end vertical not exposed to wind pressure

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



15'-2-0  
25'-4-0 Over 2 Supports  
R=1979 U=313 W=3 5' (3 5 min)

R=5642 U=699 W=3 5" (3 5" min)

PLT TYP. Wave

Design Crit. FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

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

Scale = .25"/Ft.

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

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

Trusses requiring extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) information on by TPI and WTCO. Installers shall provide temporary bracing for all trusses until they are properly braced. Trusses shall have a properly attached or gird ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, EY or B10 as applicable.

[illegible]

TC LL	20.0 PSF	REF	R487--	3995
TC DL	7.0 PSF	DATE	08/21/13	
BC DL	10.0 PSF	DRW	H0USR487	13233055
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	37.0 PSF	SEQN-	316750	
DUR.FAC.	1.25	FROM	JMM	
SPACING	24.0"	JREF-	1UYZ487_Z03	

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

(H1) = (J) Hanger not calculated (1)2x6 SP M-26 supporting member

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

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

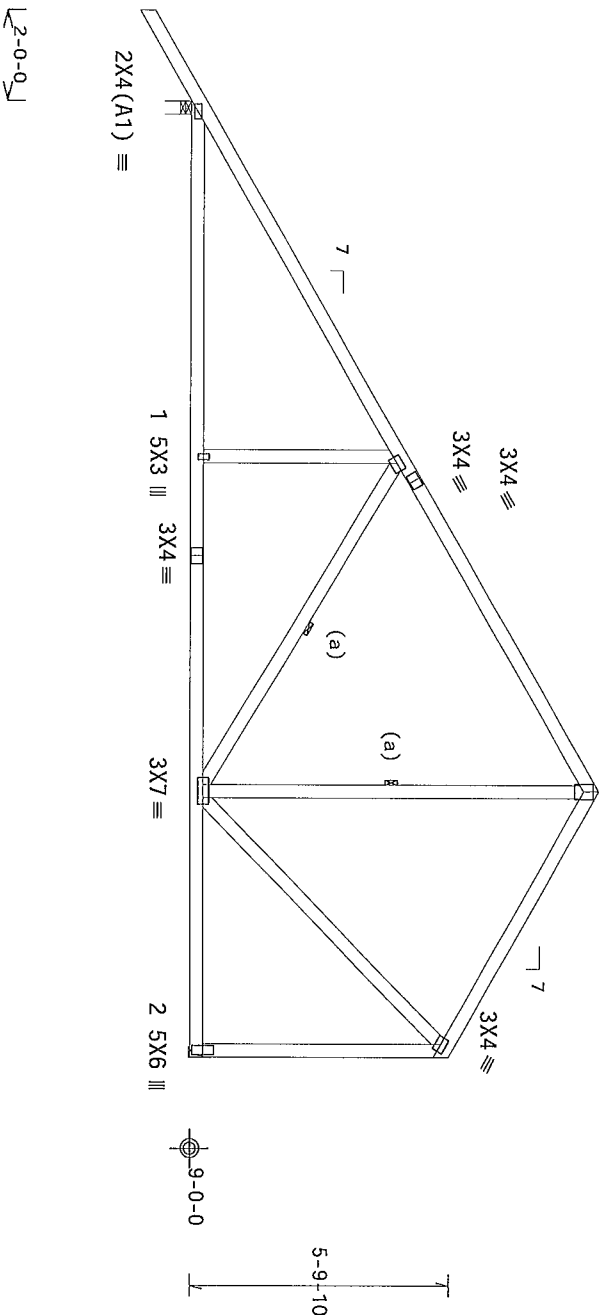
Wind loads and reactions based on MMFRS with additional C&C member design

Right end vertical not exposed to wind pressure

(a) Continuous lateral bracing equally spaced on member

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

4X5(R) III



PLT TYP. Wave

Design Crit: FBC2010Com/TP1-2007(STD)

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

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

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in their care no handling, shipping, installing and bracing

follow the latest edition of BCSI (Building Component Safety Information by TPI and WDO) from the

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

shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing

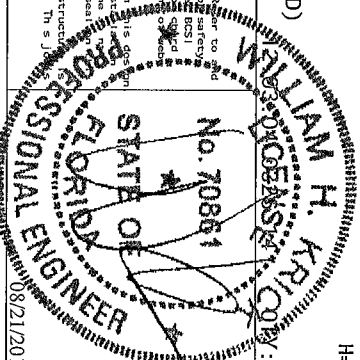
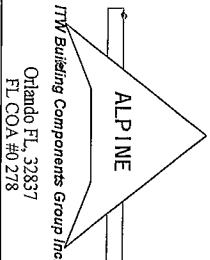
shall have bracing installed per BCSI sections B3, B7 or B10 as applicable

any failure to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, installing

and bracing shall be the responsibility of the contractor. The contractor shall be responsible for

drawings or cover page listing in the drawing. The contractor shall be responsible for any structural

responsibility of the Building Designer per ANSI/TP1-1 Sec 2. For more information on see



TC LL	20.0 PSF	REF	R487--	3996
IC DL	7.0 PSF	DATE	08/21/13	
BC DL	10.0 PSF	DRW	HCUSR487	1323056
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT. LD	37.0 PSF	SEQN-	316730	
DUR. FAC	1.25	FROM	JMM	
SPACING	24.0"	JREF-	1UYZ487_Z03	



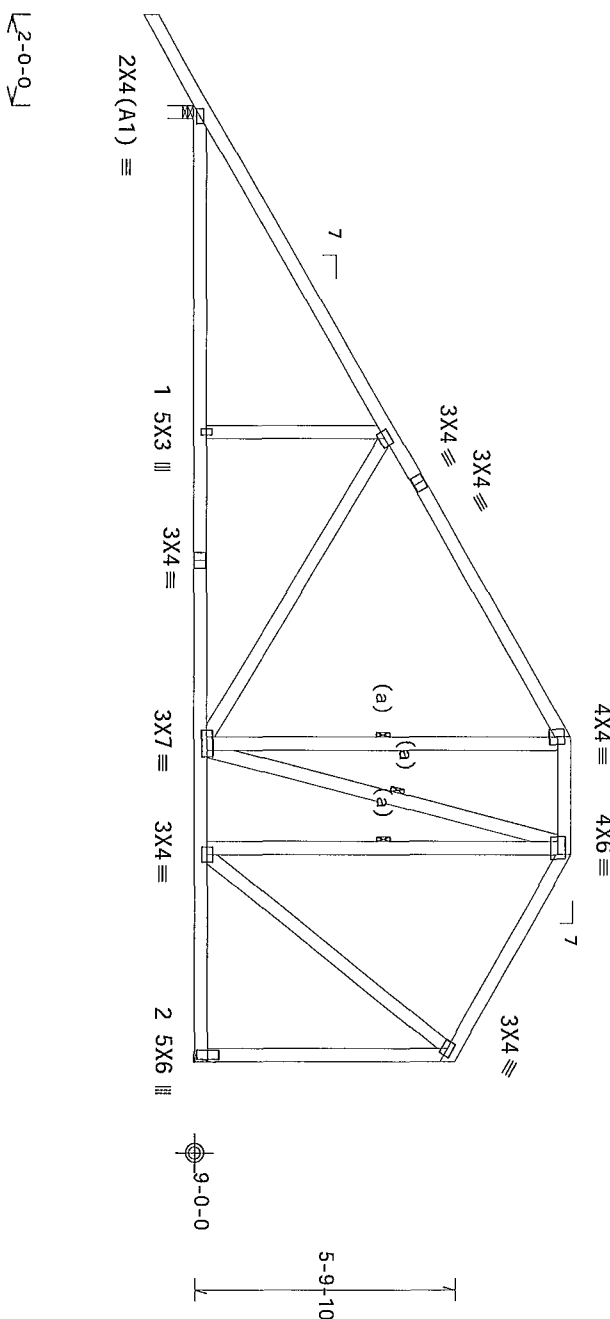
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER

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

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

(a) Continuous lateral bracing equally spaced at right end vertical not exposed to wind pressure

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



Design Crit: FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

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

2013-04-25 14:00:11  
TC LL 20.0  
FL -4/-/-R/-

Scale = .25"/Ft.  
REF R487-- 399

ALPINE

**ITW Building Components Group Inc.**

Orlando FL, 32837  
FL COA #0278

[illegible]

08/21/2013

08/21/2014

TC LL	20.0 PSF	REF	R487-- 3997
IC DL	7 0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233057
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37 0 PSF	SEQN-	316731
DUR.FAC	1.25	FROM	JMMW
SPACING	24 0"	JREF-	1UYZ487_Z03

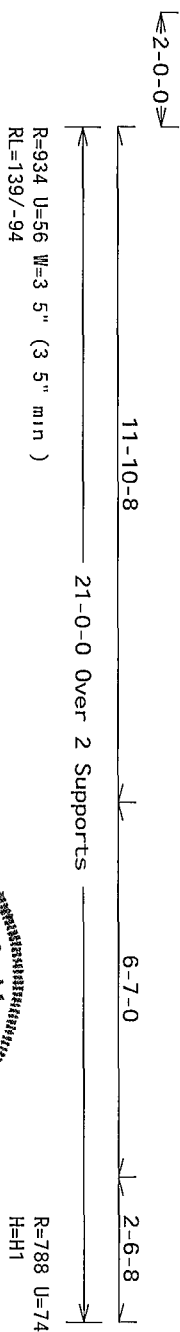
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR (on)

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf,  
wind BC DL=5 0 psf 6CPI(+/-)=0 18

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

(a) Continuous lateral bracing equally spaced at Right end vertical not exposed to wind pressure

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

$$4X5 \equiv 4X6 \equiv$$


Scale = .3125"/Ft.

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

STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
No. 70861

TC LL	20 0 PSF	REF	R487--	3998
IC DL	7 0 PSF	DATE	08/21/13	
BC DL	10 0 PSF	DRW	HCUSR487	13233058
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT. LD.	37 0 PSF	SEQN-	316732	
DUR. FAC.	1.25	FROM	JMM	
SPACING	24.0"	JREF-	1UYZ487	_Z03

(13-236--BRYAN ZECHEK Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - A9 21 Common)

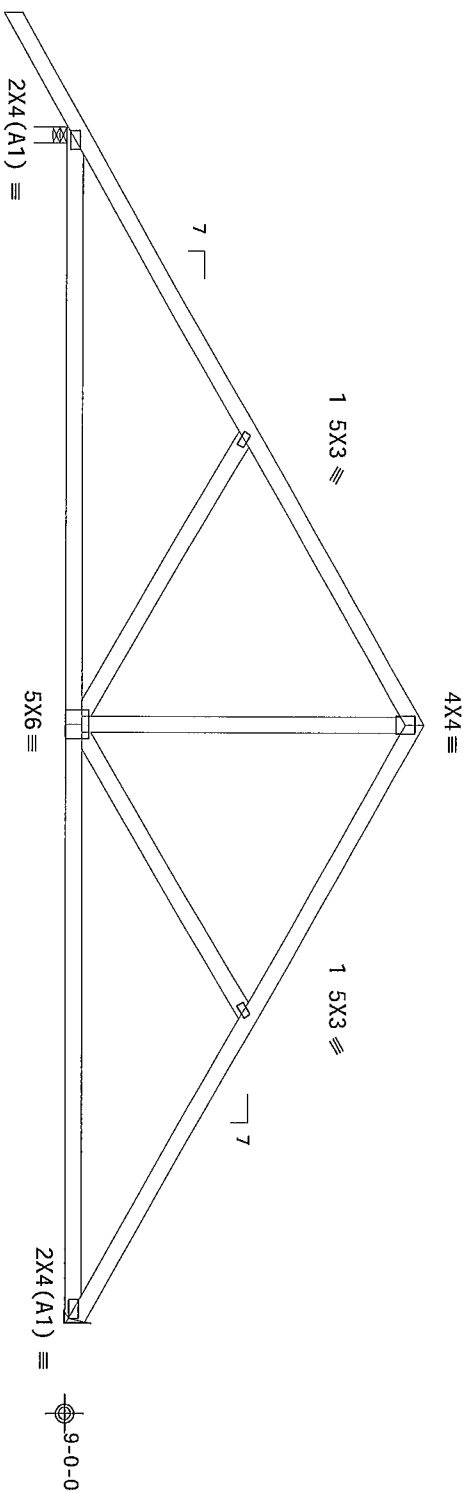
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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

(H1) = (J) Hanger not calculated (1) 2x6 SP M-26  
supporting member  
(H2) = (J) Hanger not calculated (1) 2x4 SP 2850F-2 3E  
supporting member

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf,  
wind BC DL=5.0 psf GCP(+/-)=0.18  
Wind loads and reactions based on MMFRS with additional C&C member  
design  
Deflection meets L/240 live and L/180 total load Creep increase  
factor for dead load is 1.50  
MMFRS loads based on trusses located at least 7.50 ft from roof edge



21-0-0 over 2 Supports  
10-6-0  
10-6-0  
R=929 U=160 W=3.5 (3.5 min)  
RL=152/-165

R=793 U=122  
H=H1 and H2

PLT TYP Wave

Design Crit FBC2010com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

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

Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WDOA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section B3, B7 or B10 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TPI 1 or any other applicable standards. A section drawing of cover plate listing the design and use of this design for any structural application shall be provided by the designer. The user shall verify and use of this design for any structural application. For more information see this general notes page. ITW BCG www.tpi.com www.wdo.org WDOA www.steelindustry.com IBC www.iesg.org

WILLIAM H. KRIOCK  
No. 70861  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
08/21/2013

TC LL	20.0 PSF	REF R487-- 3999
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUR487 13233059
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT LD	37.0 PSF	SEON- 316733
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF - 10VZ487_203

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

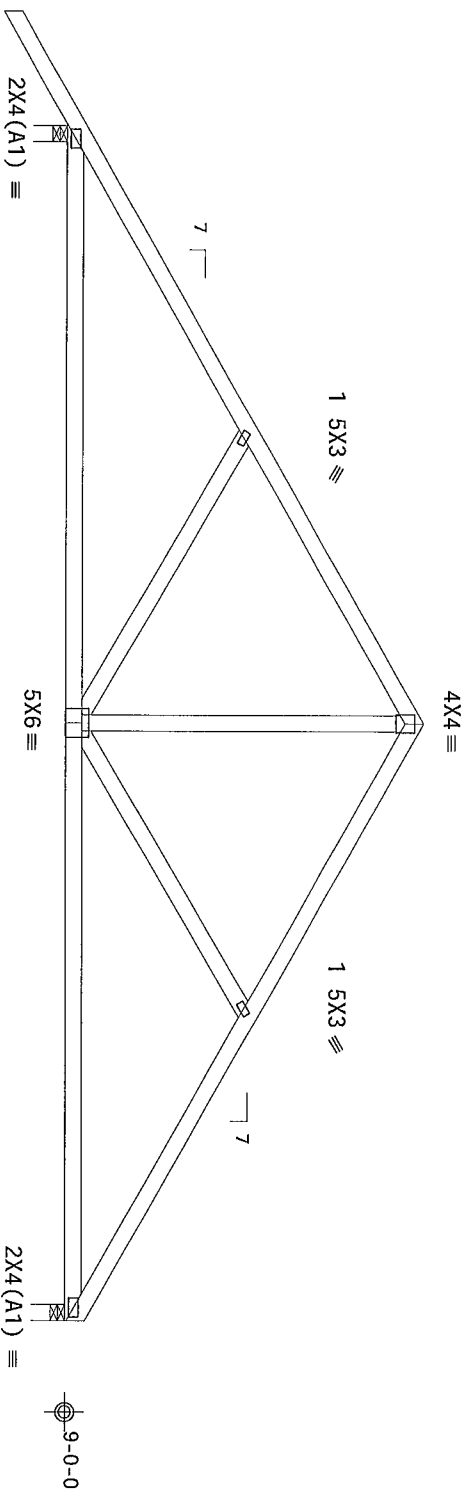
Lumber grades designated with '13B' use design values approved  
1/30/2013 by ALSC

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 9.00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf,  
wind BC DL=5.0 psf GCP1(+/-)=0.18

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

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



2-0-0

10-6-0

21-0-0 Over 2 Supports

10-6-0

R=929 U=160 W=3.5 (3.5' min)  
RL=152/-165

R=793 U=122 W=3.5 (3.5' min)

PLT TYP. Wave

Design Crit. FBC2010Com/TPI-2007(STD)  
FT/RT=10%(0)/0(0)

WILLIAM H. KRIOCKY, P.E.  
No. 70861  
FLORIDA PROFESSIONAL ENGINEER  
08/21/2013

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

Scale = .3125"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) information on by TPI and WDA for the correct practice of trusses prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI. BSI or B10 as applicable cable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure of the truss system. ITWBCG shall not be responsible for handling, shipping, installing, bracing or any other use of the truss system. Apply plates to each face of truss and position in accordance with the drawing or cover page listing this design. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the disclaimer page. ITWBCG www.itwbcg.com TPI www.tpi.net org WDA www.wda-industry.com IBC www.icsbc.org

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

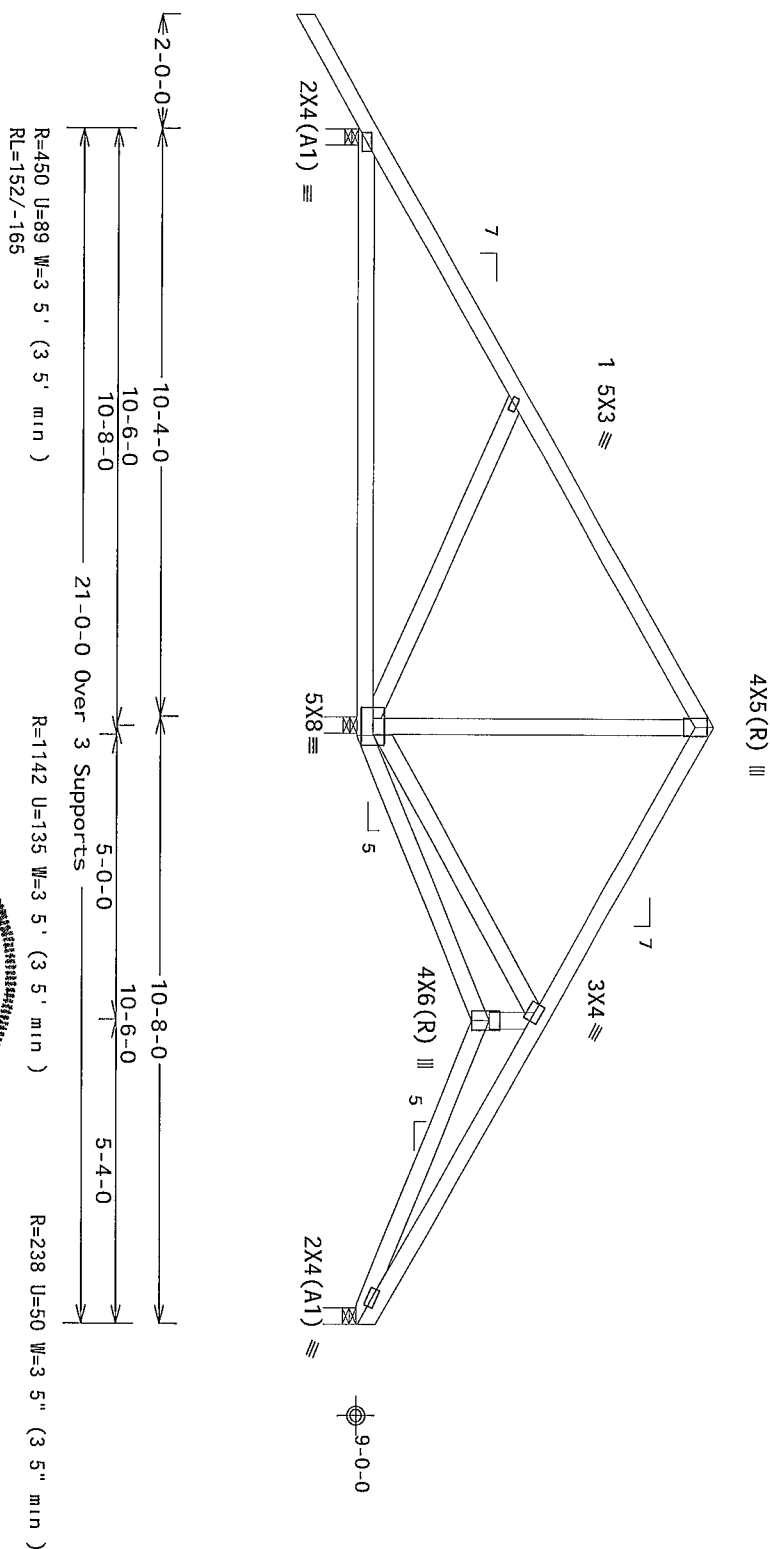
TC LL	20.0 PSF	REF	R487--4000
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCSR487 13233060
BC LL	0.0 PSF	HC-ENG	WHK/MHK
TOT. LD.	37.0 PSF	SEON-	316734
DUR. FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1UYZ487_203

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 4 50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

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

Shim all supports to solid bearing



PLT TYP Wave

Design Crit FBC2010Com/TP1-2007(STD)

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

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

## ADDITIONAL INFORMATION

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278

Trussters, require extreme care in fabricating, handling, shipping, installing, and bracing to follow the latest edition of BCIS (Building Components Safety Information) on by TPI and WTCa). Practice extra care to performing these functions. Installers shall provide a temporary bracing system as noted otherwise as top chord shall have properly attached strapping and bracing shall have properly attached per BCIS sections 8.7, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, 8.19, 8.20, 8.21, 8.22, 8.23, 8.24, 8.25, 8.26, 8.27, 8.28, 8.29, 8.30, 8.31, 8.32, 8.33, 8.34, 8.35, 8.36, 8.37, 8.38, 8.39, 8.40, 8.41, 8.42, 8.43, 8.44, 8.45, 8.46, 8.47, 8.48, 8.49, 8.50, 8.51, 8.52, 8.53, 8.54, 8.55, 8.56, 8.57, 8.58, 8.59, 8.60, 8.61, 8.62, 8.63, 8.64, 8.65, 8.66, 8.67, 8.68, 8.69, 8.70, 8.71, 8.72, 8.73, 8.74, 8.75, 8.76, 8.77, 8.78, 8.79, 8.80, 8.81, 8.82, 8.83, 8.84, 8.85, 8.86, 8.87, 8.88, 8.89, 8.90, 8.91, 8.92, 8.93, 8.94, 8.95, 8.96, 8.97, 8.98, 8.99, 9.00, 9.01, 9.02, 9.03, 9.04, 9.05, 9.06, 9.07, 9.08, 9.09, 9.10, 9.11, 9.12, 9.13, 9.14, 9.15, 9.16, 9.17, 9.18, 9.19, 9.20, 9.21, 9.22, 9.23, 9.24, 9.25, 9.26, 9.27, 9.28, 9.29, 9.30, 9.31, 9.32, 9.33, 9.34, 9.35, 9.36, 9.37, 9.38, 9.39, 9.40, 9.41, 9.42, 9.43, 9.44, 9.45, 9.46, 9.47, 9.48, 9.49, 9.50, 9.51, 9.52, 9.53, 9.54, 9.55, 9.56, 9.57, 9.58, 9.59, 9.60, 9.61, 9.62, 9.63, 9.64, 9.65, 9.66, 9.67, 9.68, 9.69, 9.70, 9.71, 9.72, 9.73, 9.74, 9.75, 9.76, 9.77, 9.78, 9.79, 9.80, 9.81, 9.82, 9.83, 9.84, 9.85, 9.86, 9.87, 9.88, 9.89, 9.90, 9.91, 9.92, 9.93, 9.94, 9.95, 9.96, 9.97, 9.98, 9.99, 10.00, 10.01, 10.02, 10.03, 10.04, 10.05, 10.06, 10.07, 10.08, 10.09, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15, 10.16, 10.17, 10.18, 10.19, 10.20, 10.21, 10.22, 10.23, 10.24, 10.25, 10.26, 10.27, 10.28, 10.29, 10.30, 10.31, 10.32, 10.33, 10.34, 10.35, 10.36, 10.37, 10.38, 10.39, 10.40, 10.41, 10.42, 10.43, 10.44, 10.45, 10.46, 10.47, 10.48, 10.49, 10.50, 10.51, 10.52, 10.53, 10.54, 10.55, 10.56, 10.57, 10.58, 10.59, 10.60, 10.61, 10.62, 10.63, 10.64, 10.65, 10.66, 10.67, 10.68, 10.69, 10.70, 10.71, 10.72, 10.73, 10.74, 10.75, 10.76, 10.77, 10.78, 10.79, 10.80, 10.81, 10.82, 10.83, 10.84, 10.85, 10.86, 10.87, 10.88, 10.89, 10.90, 10.91, 10.92, 10.93, 10.94, 10.95, 10.96, 10.97, 10.98, 10.99, 11.00, 11.01, 11.02, 11.03, 11.04, 11.05, 11.06, 11.07, 11.08, 11.09, 11.10, 11.11, 11.12, 11.13, 11.14, 11.15, 11.16, 11.17, 11.18, 11.19, 11.20, 11.21, 11.22, 11.23, 11.24, 11.25, 11.26, 11.27, 11.28, 11.29, 11.30, 11.31, 11.32, 11.33, 11.34, 11.35, 11.36, 11.37, 11.38, 11.39, 11.40, 11.41, 11.42, 11.43, 11.44, 11.45, 11.46, 11.47, 11.48, 11.49, 11.50, 11.51, 11.52, 11.53, 11.54, 11.55, 11.56, 11.57, 11.58, 11.59, 11.60, 11.61, 11.62, 11.63, 11.64, 11.65, 11.66, 11.67, 11.68, 11.69, 11.70, 11.71, 11.72, 11.73, 11.74, 11.75, 11.76, 11.77, 11.78, 11.79, 11.80, 11.81, 11.82, 11.83, 11.84, 11.85, 11.86, 11.87, 11.88, 11.89, 11.90, 11.91, 11.92, 11.93, 11.94, 11.95, 11.96, 11.97, 11.98, 11.99, 12.00, 12.01, 12.02, 12.03, 12.04, 12.05, 12.06, 12.07, 12.08, 12.09, 12.10, 12.11, 12.12, 12.13, 12.14, 12.15, 12.16, 12.17, 12.18, 12.19, 12.20, 12.21, 12.22, 12.23, 12.24, 12.25, 12.26, 12.27, 12.28, 12.29, 12.30, 12.31, 12.32, 12.33, 12.34, 12.35, 12.36, 12.37, 12.38, 12.39, 12.40, 12.41, 12.42, 12.43, 12.44, 12.45, 12.46, 12.47, 12.48, 12.49, 12.50, 12.51, 12.52, 12.53, 12.54, 12.55, 12.56, 12.57, 12.58, 12.59, 12.60, 12.61, 12.62, 12.63, 12.64, 12.65, 12.66, 12.67, 12.68, 12.69, 12.70, 12.71, 12.72, 12.73, 12.74, 12.75, 12.76, 12.77, 12.78, 12.79, 12.80, 12.81, 12.82, 12.83, 12.84, 12.85, 12.86, 12.87, 12.88, 12.89, 12.90, 12.91, 12.92, 12.93, 12.94, 12.95, 12.96, 12.97, 12.98, 12.99, 13.00, 13.01, 13.02, 13.03, 13.04, 13.05, 13.06, 13.07, 13.08, 13.09, 13.10, 13.11, 13.12, 13.13, 13.14, 13.15, 13.16, 13.17, 13.18, 13.19, 13.20, 13.21, 13.22, 13.23, 13.24, 13.25, 13.26, 13.27, 13.28, 13.29, 13.30, 13.31, 13.32, 13.33, 13.34, 13.35, 13.36, 13.37, 13.38, 13.39, 13.40, 13.41, 13.42, 13.43, 13.44, 13.45, 13.46, 13.47, 13.48, 13.49, 13.50, 13.51, 13.52, 13.53, 13.54, 13.55, 13.56, 13.57, 13.58, 13.59, 13.60, 13.61, 13.62, 13.63, 13.64, 13.65, 13.66, 13.67, 13.68, 13.69, 13.70, 13.71, 13.72, 13.73, 13.74, 13.75, 13.76, 13.77, 13.78, 13.79, 13.80, 13.81, 13.82, 13.83, 13.84, 13.85, 13.86, 13.87, 13.88, 13.89, 13.90, 13.91, 13.92, 13.93, 13.94, 13.95, 13.96, 13.97, 13.98, 13.99, 14.00, 14.01, 14.02, 14.03, 14.04, 14.05, 14.06, 14.07,

08/21/2013

5		FL/-/4/-/-/R/-	Scale = .3125"/Ft.
TC LL	20	0 PSF	REF R487-- 4001
TC DL	7.0	PSF	DATE 08/21/13
BC DL	10.0	PSF	DRW H05R487 13233061
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	37	0 PSF	SEQN- 316735
DUR.FAC	1.25		FROM JMW
SPACING	24.0"		JREF- 1UYZ487_Z03

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER (Don Girder)

Webbs 2x4 SP #3-13B W3 2x4 SP #1-13B

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

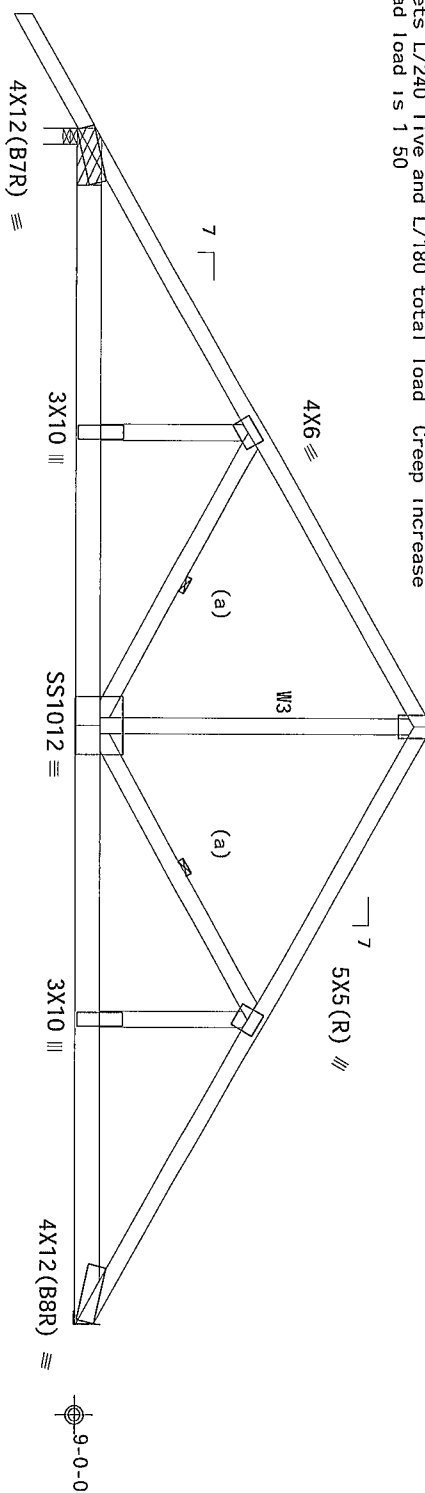
Brg	blocks	0	131"	x3",	min	nails	#nails/blk	wall plate
brg	x-loc	#blocks	length/blk	12"			4	Rigid Surface
1	0 000'	1						

Brg block to be same size and species as chord  
Refer to drawing CNAILSP0109 for more information

Wind loads and reactions based on MMFRS

(H1) = (J) Hanger not calculated (1)2x4 SP 2850f-2 3E  
supporting member

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

 $5 \times 6 (R) \equiv$ 

Special loads			
-----Lumber			
	Dur	Fac =1 25 /	Plate Dur Fac =1 25)
TC-From	56 pif	at -2 00 to	56 pif at 10 50
TC-From	56 pif	at 10 50 to	56 pif at 21 00
BC-From	5 pif	at -2 00 to	5 pif at 0 00
BC-From	10 pif	at 0 00 to	10 pif at 10 50
BC-From	10 pif	at 10 50 to	10 pif at 21 00
BC-792 65	1b Conc	Load at 1 94,	3 94, 5 94, 7 94
9 94			
BC-787 90	1b Conc	Load at 11 94,13 94,15 94,17 94	
19 94			

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

$\leq 2-0-0 \geq$   
 10'-6-0  
 21'-0-0 Over 2 Supports  
 10'-6-0  
 $\leq 2-0-0 \geq$   
 R=4619 U=756 W=3' 5" (3' 5" min)  
 R=4796 U=

PLT TYP. 18 Gauge HS, Wave

Design Crit. FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

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

ALPINE

ITW Building Components Group Inc

Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT\*\***      **\*\*WARNING\*\***      **READ AND FOLLOW ALL NOTES ON THIS SHEET!**

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Tenuses require extreme care in fabricating handling shipping installing and bracing follow the latest edition of BCSI Building Component Safety Information on by TPI and WTCA) practices prior to performing these functions Installers shall provide temporary bracing Unless noted otherwise see top chord shall have properly attached structural sheathing and bracing shall have properly attached floor ceiling Locations shown for permanent lateral restraint

shall have bracing installed per BCSI sections BS-07 or BS-09 as appli cable

TPI Building Components Group Inc. (TIBG60) shall not be responsible for any design action fr and TPI Building Components Group Inc. shall not be responsible for any design action fr Data is unless noted otherwise See Report to draw max 160k-lb for standard plates and on drawing or cover page list ng this drawing ng Indicates acceptance of professional engineer responsibility solely for the design shown The sub title and use of this design for per ANSI/TPI Sec 2 For more information on see general notes page TIBG-000 www.tibg.com TPI www.tpi.net WTCA www.sbcindustry.com

www.tibg.com www.tpi.net www.sbcindustry.com

08-212013

FL/-/4/-/-/R/-		Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R487-- 4002
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 13233062
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 316747
DUR. FAC.	1.25	FROM JMMW
SPACING	24.0"	JREF- 1UYZ487_Z03

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood gln Lake City, FL 3202 - BGE 10 8 Gable)

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

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

Stack Chord SC1 2x4 SP 2850F-2 3E

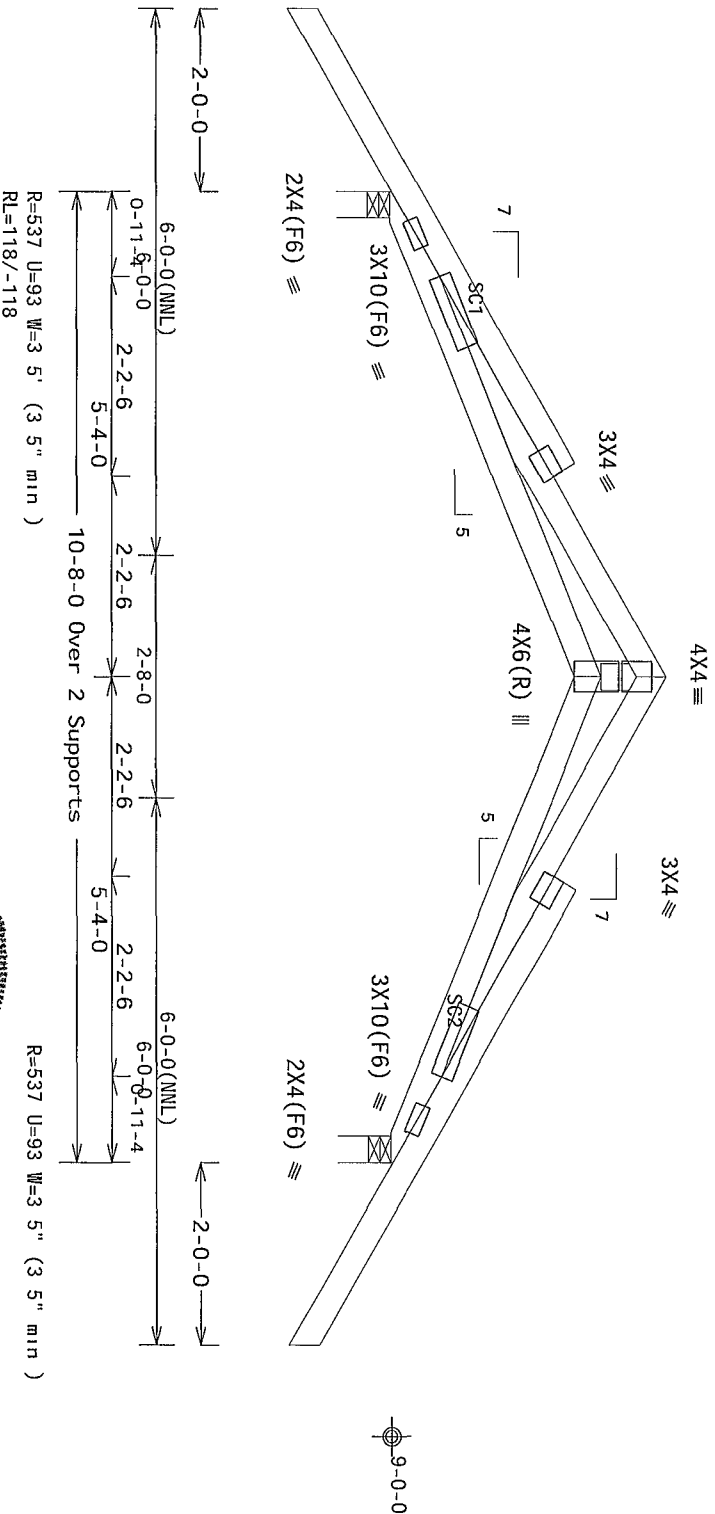
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP1(+/-)=0 18

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

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

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

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



PLT TYP. Wave

Design Crit: FBC2010Com/TPI-2007(STD)  
FT/RT=10%(0%)/0(0)

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

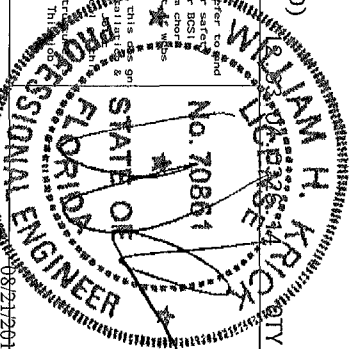
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0 278

**\*\*IMPORTANT\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET**  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses may be erected using a fiber cut or hand saw. Shipping and handling instructions are provided on the back of the truss. Follow the latest edition of BCSI (Building Components Safety Information) by TPI and WTC. Unless noted otherwise, top chord shall have properly attached structural sheathing and blocking. BCSI shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83 87 or 810 as applicable.  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ASIS/TPI 1 or for handling, shipping, or installation shall be the responsibility of the contractor. Refer to drawings 1604-2 for standard plate position and details. Drawing of cover plate listing this drawing and does not shown. The suitability and use of this design for any structure is the responsibility of the building designer per ASIS/TPI 1 Sec 2. For more information see the general notes page ITW BCG www.itwbcg.com TPI www.tpiinc.org WTC www.stcindustry.com ITC www.itcrae.org



TC LL	20.0 PSF	REF R487-- 4003
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUSR487 13233063
BC LL	0.0 PSF	HC-ENG WHK/MHK
TOT. LD.	37.0 PSF	SEQN- 316736
DUR. FAC.	1.25	FROM JMM
SPACING	24 0"	JREF- 1UYZ487_Z03

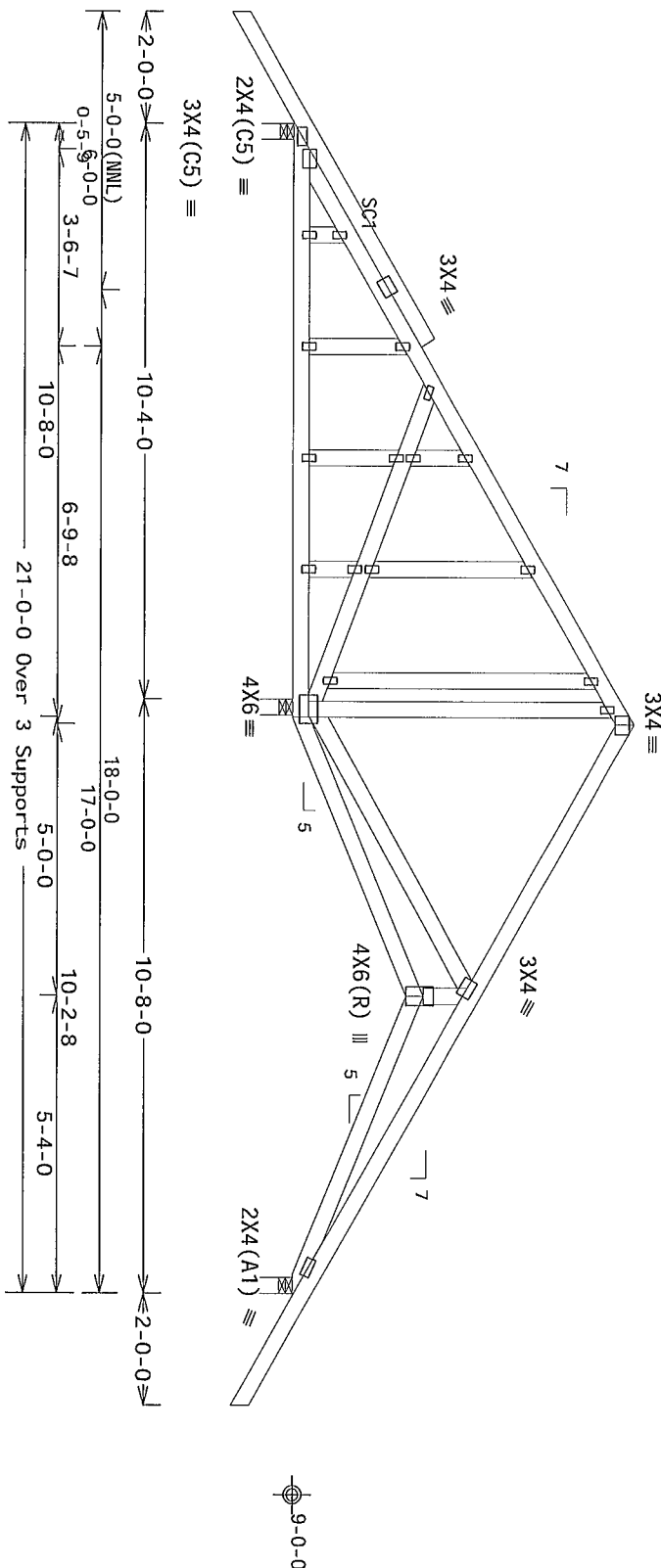
Top chord 2x4 SP #1-13B  
Bot chord 2x4 SP #1-13B  
Webs 2x4 SP #3-13B  
Stack Chord SC1 2x4 SP #1-13B

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

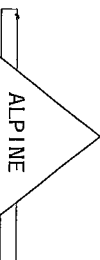
See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more  
requirements

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located  
anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC  
DL=5.0 psf GCp1(+/-)=0.18  
Wind loads and reactions based on MMFRS with additional C&C member  
design  
Gable end supports 8" max rake overhang  
Deflection meets L/240 live and L/180 total load Creep increase  
factor for dead load is 1.50  
Shim all supports to solid bearing

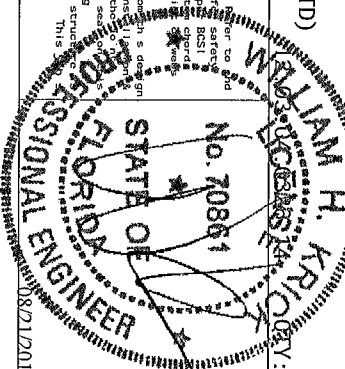


Note: All Plates Are 1.5X3 Except As Shown  
Design Crit: FBC2010com/TP1-2007(STD)  
PLT TYP. Wave



ITM Building Components Group Inc.  
Orlando FL 32837  
FL COA #0278

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS SHEET.  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in fabricating handling and bracing  
Follow the latest edition of BCS (Building Component Safety Information by TPI and WTC) for  
practices prior to performing these functions. Installers shall provide temporary bracing per BCS  
Unless noted otherwise top chord shall have properly attached structural sheathing and bracing  
Trusses shall be braced in accordance with the manufacturer's instructions for permanent lateral restraint  
shall have bracing installed per BCS Section B3 B7 or B10 as applicable  
ITM Building Components Group Inc. (ITMBC) shall not be responsible for any deviation from the design  
any time the building is erected. The building owner and the contractor shall be responsible for the  
bracing of trusses. Apply plates to each face of truss and position and install on a solid  
drawing or cover page listing this design. The suitability and use of this design for any structure  
the responsibility of the Building Designer per ANSI/TP1 Sec 2. For more information see  
this drawing page. ITMBC www.itmcom.com TPI www.tpi.net WTC www.wtc industry.com  
ITC www.icre.com



1 FL/-/4/-/-/R/-		Scale = .3125"/Ft.	
TC LL	20.0 PSF	REF	R487-- 4004
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUR487 13233064
BC LL	0.0 PSF	HC-ENG WHK/MMH	
TOT LD.	37.0 PSF	SEQN-	316737
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1UYZ487_Z03



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

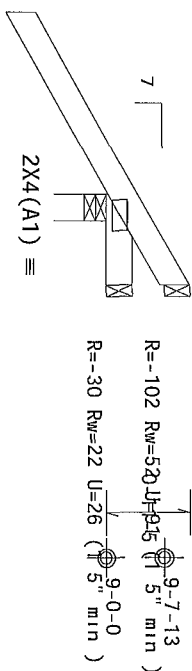
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

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

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

Provide ( 2 ) 16d common nails(0 162"x3 5"), toe nailed at Top chord  
Provide ( 2 ) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



R=329 U=100 W=3 5' (3 5" min)  
RL=42/-35

PLT TYP. Wave

Design Crit.	FBC2010Com/TP1-2007(STD)
	FT/RT=10%(0%)/0(0)

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

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278

These require someone create a fabricating and handling shop and bracing follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing practices noted otherwise as top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached purlin or ceiling. Loads are shown for permanent lateral restraint of walls shall have bracing installed per BCSI sections 6.5, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any detail on fabricating and bracing of trusses. Apply practices to each type of truss and position as shown above and on drawing or cover pages illustrating this drawing. The suitability and use of this design for any trussing or cover pages illustrating this drawing is the indication acceptance of professional and new responsibility solely for the design shop. The availability and use of this design for any trussing or cover pages illustrating this drawing is the indication acceptance of professional and new responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see general notes page ITW-BCG www.tbcbg.com TPI www.tpi.net.org WTCA www.sbcindustry.com

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487-- 4005
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUR487 13233065
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD	37.0 PSF	SEQN- 316738
DUR.FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1UYZ487_Z03

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood glin Lake City, FL 3202 - C/J3 ' Jack)

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

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

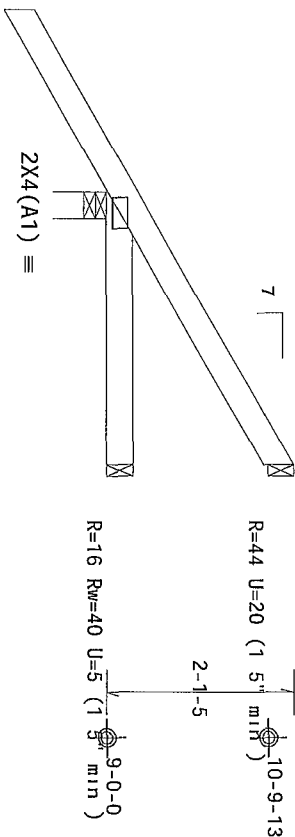
Lumber grades designated with "13B" use design values approved  
1/30/2013 by ALSC

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

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

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

Provide ( 2 ) 16d common nails(0 162"x3 5"), toe nailed at Top chord  
Provide ( 2 ) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



R=291 U=54 W=3 5" (3 5" min)  
RL=70/-42

PLT TYP Wave

Design Crit: FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0)/0(0)

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

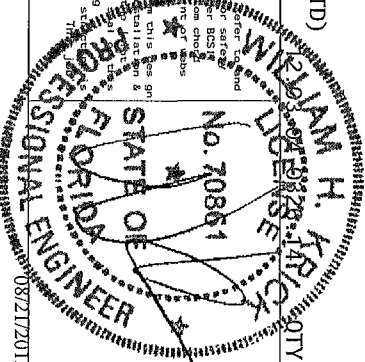
\*\*IMPORTANT\*\* Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCS (Building Component Safety) Information by TPI and WDOA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections 83, 87 or 810 as applicable.

TPI Building Components Group Inc. (TIBC) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TP1 or for handling, shipping, installing and bracing of the truss shall be the responsibility of the contractor. Refer to drawings 160A-2 for standard plate positions. A drawing or cover page stating the design shall not be used for construction. The responsibility for the design shall be solely for the Building Designer per ANSI/TP1 Section 2. For more information see the general notes page. TPI BCS www.tpicorp.com TPI www.tpinet.org WDOA www.abcdindustry.com IBC www.ibrace.org

ALPINE

TPI Building Components Group Inc.

Orlando, FL 32837  
FL COA #0278



QTY. 8		FL/-/4/-/-/R/-		Scale = .5"/Ft.	
TC LL	20.0 PSF	REF	R487--4006		
TC DL	7.0 PSF	DATE	08/21/13		
BC DL	10.0 PSF	DRW	HOURS487 13233066		
BC LL	0.0 PSF	HC-ENG	WHK/WHK		
TOT. LD	37.0 PSF	SEON-	316739		
DUR. FAC	1.25	FROM	JMW		
SPACING	24 0"	JREF-	1UYZ487_203		

(13-236--BRYAN ZECHER Kaufman Residence -- 192 sagewood glin Lake City, FL 3202 - CJS 5' Jack)

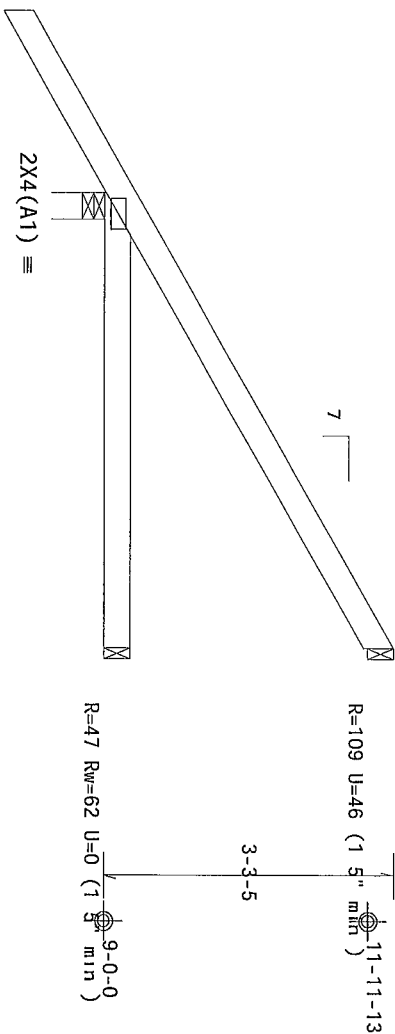
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

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

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3.5 psf,  
wind BC DL=5.0 psf GCPI(+/-)=0.18  
Wind loads and reactions based on MMFRS with additional C&C member  
design  
Provide ( 2 ) 16d common nails(0 162"x3.5") , toe nailed at Top chord  
Provide ( 2 ) 16d common nails(0 162"x3.5") , toe nailed at Bot chord



2-0-0  
5-0-0 Over 3 Supports  
R=347 U=50 W=3.5" (3.5' min)  
RL=99/-48

PLT TYP. Wave

Design Crit FBC2010Com/TP1-2007(STD)

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

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

\*\*IMPORTANT\*\* Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build this truss in conformance with ANSI/TP1-1 or for handling, shipping, installing, or bracing shall be the responsibility of the contractor. ITWBCG shall not be responsible for any deviation from this design. Data is, unless noted otherwise, based on drawings 180A-2, 180A-3, 180A-4, 180A-5, 180A-6, 180A-7, 180A-8, 180A-9, 180A-10, 180A-11, 180A-12, 180A-13, 180A-14, 180A-15, 180A-16, 180A-17, 180A-18, 180A-19, 180A-20, 180A-21, 180A-22, 180A-23, 180A-24, 180A-25, 180A-26, 180A-27, 180A-28, 180A-29, 180A-30, 180A-31, 180A-32, 180A-33, 180A-34, 180A-35, 180A-36, 180A-37, 180A-38, 180A-39, 180A-40, 180A-41, 180A-42, 180A-43, 180A-44, 180A-45, 180A-46, 180A-47, 180A-48, 180A-49, 180A-50, 180A-51, 180A-52, 180A-53, 180A-54, 180A-55, 180A-56, 180A-57, 180A-58, 180A-59, 180A-60, 180A-61, 180A-62, 180A-63, 180A-64, 180A-65, 180A-66, 180A-67, 180A-68, 180A-69, 180A-70, 180A-71, 180A-72, 180A-73, 180A-74, 180A-75, 180A-76, 180A-77, 180A-78, 180A-79, 180A-80, 180A-81, 180A-82, 180A-83, 180A-84, 180A-85, 180A-86, 180A-87, 180A-88, 180A-89, 180A-90, 180A-91, 180A-92, 180A-93, 180A-94, 180A-95, 180A-96, 180A-97, 180A-98, 180A-99, 180A-100, 180A-101, 180A-102, 180A-103, 180A-104, 180A-105, 180A-106, 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THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR  
(End Jack)

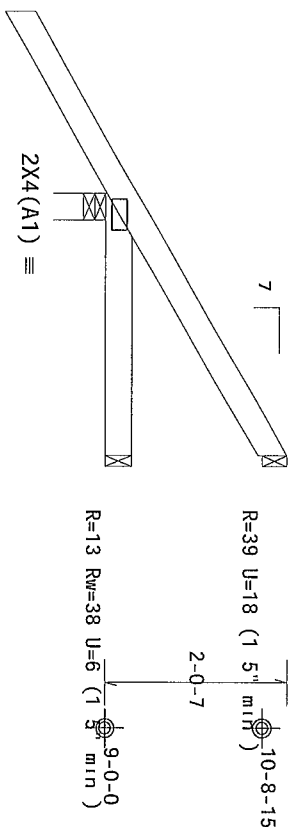
Lumber grades designated with "13B" use design values approved 1/30/2013 by ALSC

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, Exp C, wind TC DL=3 5 psf, wind BC DL=5 0 psf G6p1(+/-)=0 18

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

Provide ( 2 ) 16d common nails(0 162"x3 5"), toe nailed at Top chord  
Provide ( 2 ) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



2-0-0

2-10-8 Over 3 Supports

R=288 U=54 W=3 5' (3 5" min)  
RL=69/-41

PLT TYP	Wave
---------	------

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

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

**Abstract**

**ITW Building Components Group Inc.**

Orlando FL, 32837  
FL COA #0278

Trussus require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Bulldogging and Safety Information by TPI and WITCA) practices and/or to perform these functions. Installers shall provide temporary bracing. Unless noted otherwise, two chord shall have properly attached structural sheath and bolts shall have bracing installed per BCSI section 63.87 or 610 as applicable.

1TW Bulldog Components Group Inc. (TWBCG) shall not be responsible for any deviation from the design of this truss. The design and position shall be as shown above and on drawings unless noted otherwise. Refer to the drawings and notes acceptance of professional engineer responsible by solely for the design and the submittal and use of the design for any general notes page 1TW BCG [www.1twbcg.com](http://www.1twbcg.com) [www.tpi.com](http://www.tpi.com) [www.spincor.org](http://www.spincor.org) [www.witca.com](http://www.witca.com) [www.steelindustry.com](http://www.steelindustry.com)

(D)  
 WILLIAM H. KRICK  
 LICENSE  
 No. 70861  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER  
 This is to certify that the above-named person is duly licensed as a Professional Engineer in the State of Florida.  
 Issued this 15th day of March, 1960.  
 08/21/201

08/21/2013

FL/-/4/-/-/R/-		Scale = .5"/Ft.
TC LL	20 0 PSF	REF R487-- 4008
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10 0 PSF	DRW HCURS487 13233068
BC LL	0 0 PSF	HC-ENG WHK/WHK
TOT LD.	37.0 PSF	SEQN- 316741
DUR. FAC	1 25	FROM JMW
SPACING	24 0"	JREF- 1UYZ487_Z03

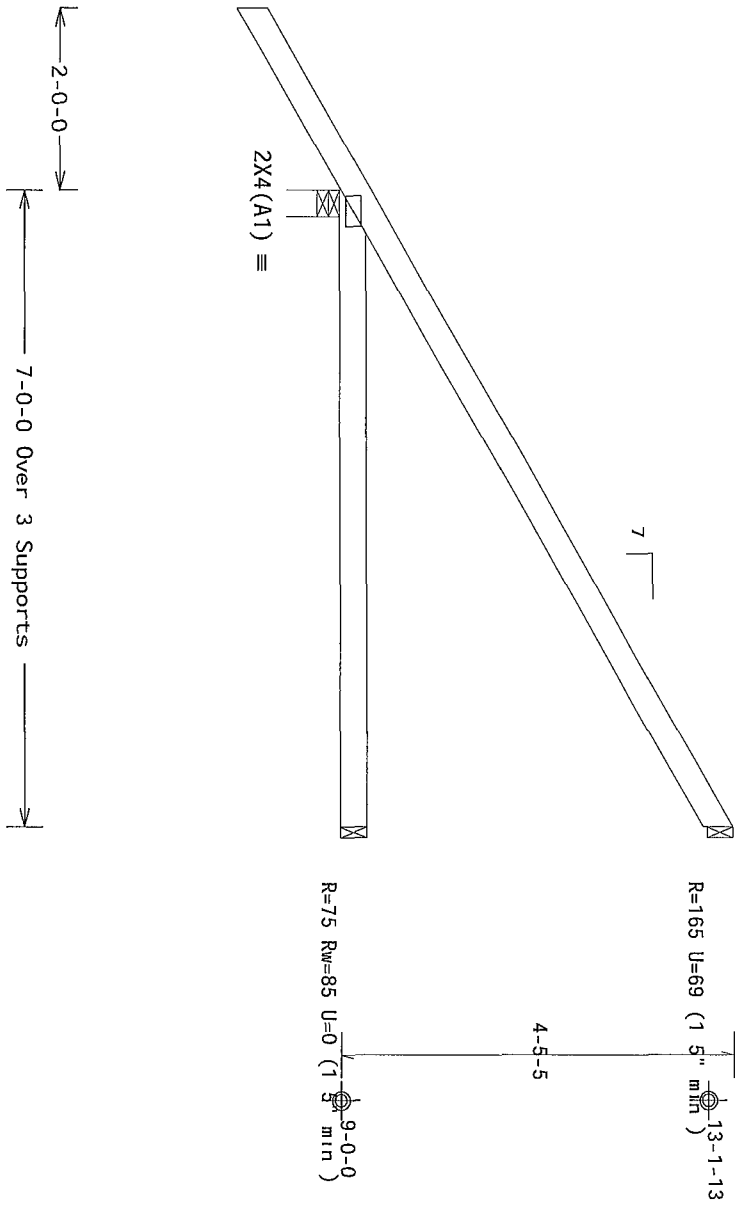
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR  
- EJT 7 End Jack)

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

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

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

Provide ( 2 ) 16d common nails(0 162'x3 5"), toe nailed at Top chord  
Provide ( 2 ) 16d common nails(0 162'x3 5"), toe nailed at Bot chord



PLT TYP. Wave

Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

Scale = .5"/Ft.

ALPINE

**ITW Building Components Group Inc.**

Orlando FL, 32837  
FL COA #0278

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

[illegible][illegible]

No. 7086

STAT  
OF  
ER

08/21/2008

TC LL	20.0 PSF	REF R487-- 4009
IC DL	7 0 PSF	DATE 08/21/13
BC DL	10 0 PSF	DRW HCUSR487 13233069
BC LL	0 0 PSF	HC-ENG WHK/WHK
TOT.LD.	37 0 PSF	SEON- 316742
DUR.FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1UYZ487_Z03

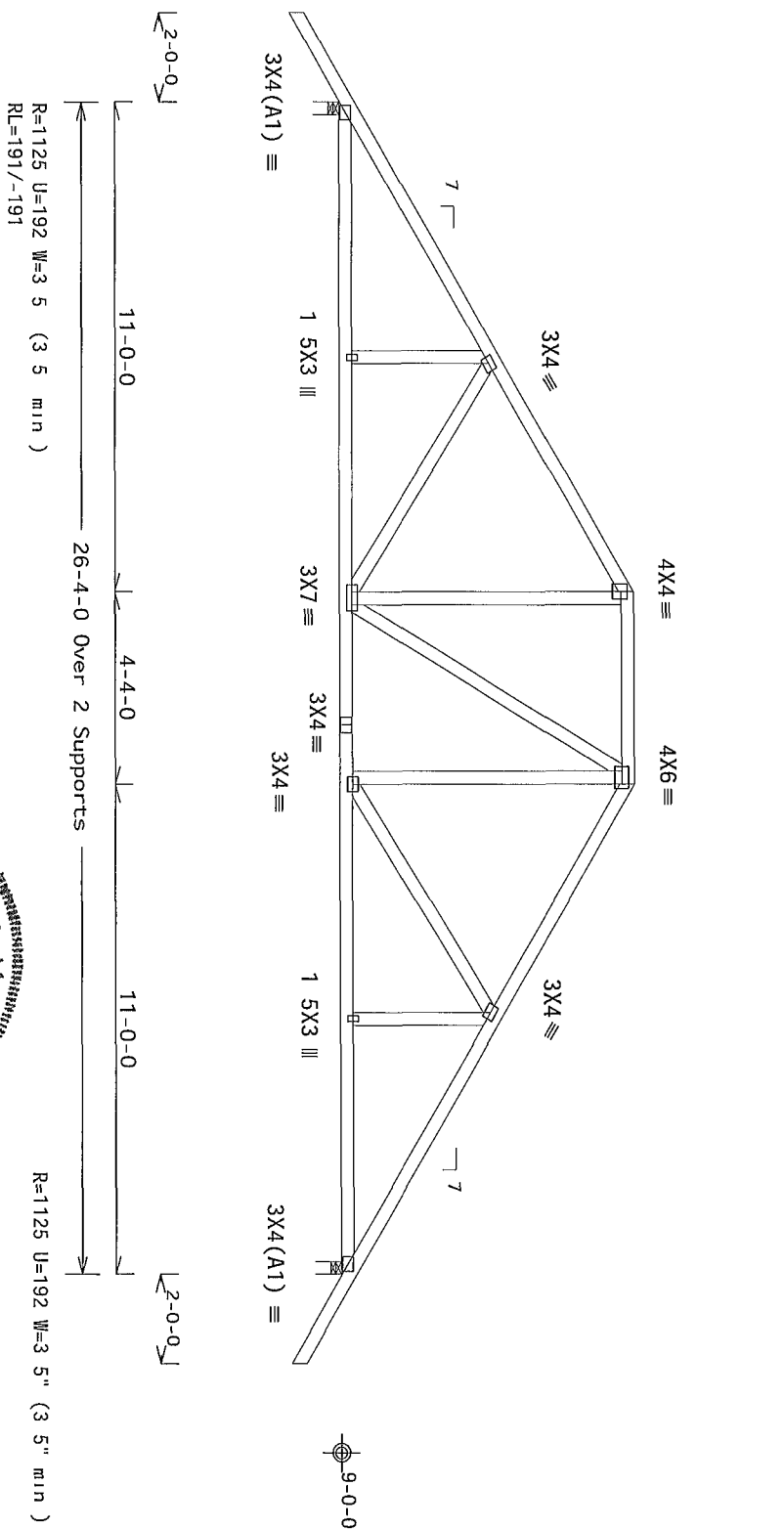
JREF- 1UYZ487\_Z03

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT 11, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCp1 (+/-)=0 18

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

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



Design Crit. FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

ALPINE

**ITW Building Components Group Inc.**

Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** FINISH THIS DESIGN TO ALL CONTRACTING INSTALLERS  
Trusfurs require extencive care in fabric cat ng hand ng install ng and brae ng  
follow the latest edition of BCSI's Build ng Compnent Safety Information by TPI and WTCO)  
practitione prior to perform ng these furtur ngs. Installers shall provide temporary bracing per  
shall have a properly attested e-aid call ng ngs. Locations shown for permanent lateral restrai  
shall have bracing installed per BCSI section 83.87 or 810 as applicable)

1TW Building Components Group Inc. (TTMBOS) shall not be responsible for any design on from this drawing  
any failure to build the trust ns in conformance with ANSI/TPI-1 or for hand ng shipp ng material s  
bracing of Trusfurs. Apply plates to each face of truss and post on as shown above and on the  
Data is unless noted otherwise. Refer to draw ngs TB604-2 for standard plate positions. A seal  
responsibility solely for the design shown. The su bject ity and use of this design for any stru  
the reliability of the Building Data given per ANSI/TPI-1 Sec 2. For more information see This  
general notes page. 1TW BCS www.tlwbco.com TPI www.tpi.net.org WTCO www.sbcindustry.com  
ICC www.iccinc.org

WILLIAM H. KRICK  
VICE PRES.  
OCT 19 1971

FL/-/4/-/-/R/-	TC LL	20 0 H
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Scale = .25"/Ft.

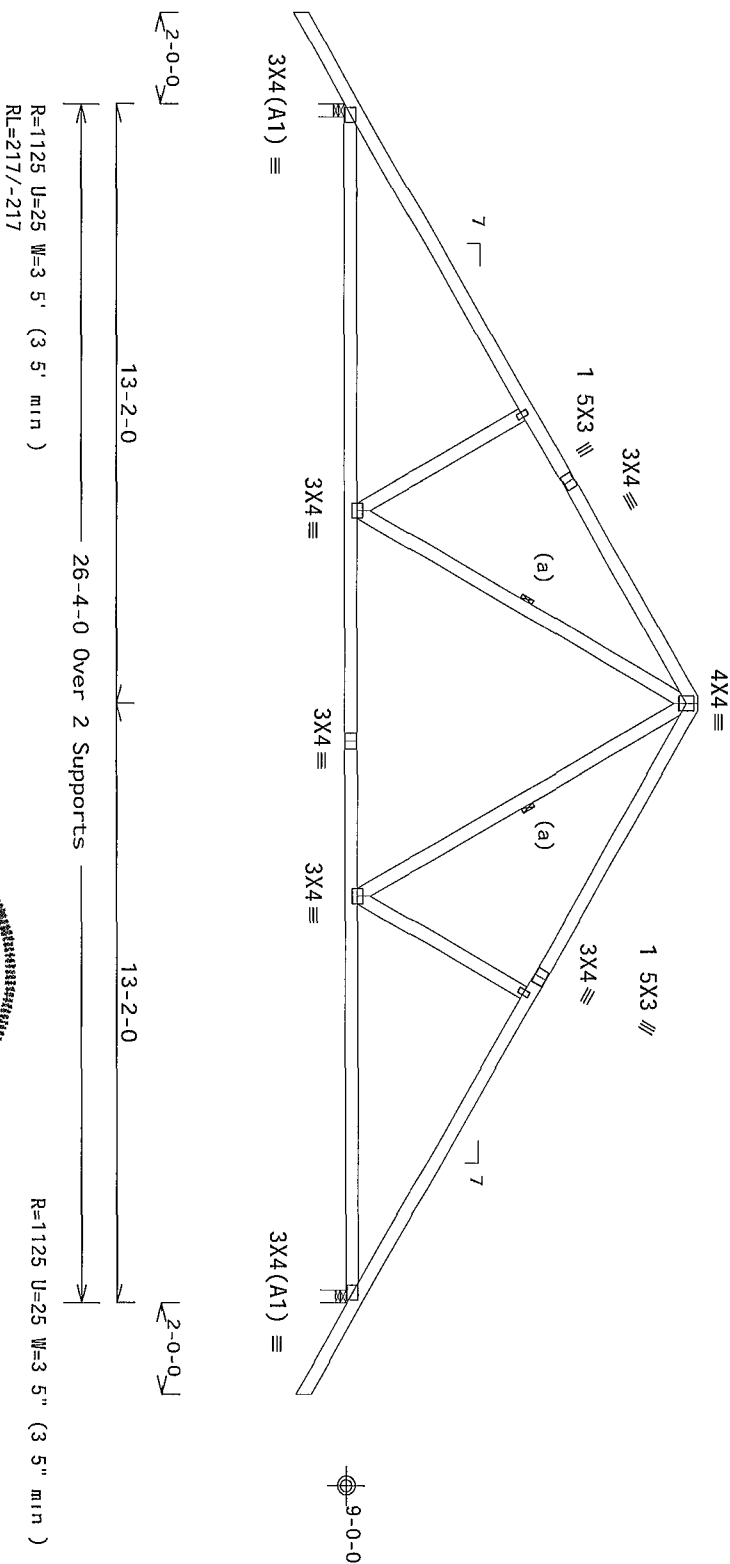
IC DL	7 0 PSF	DATE	08/21/13
BC DL	10 0 PSF	DRW	H0USR487 13233070
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD	37.0 PSF	SEQN-	316743
DUR.FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1UYZ487_Z03

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf 6cpi (+/-)=0 18

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

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



Design Crit	FBC2010Com/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

ALPINE

**ITW Building Components Group Inc.**

Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** **TURN THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS**

Tusmeds require extreme care in fabric cut handling shipping installing and bracing follow the latest edition of BCSP Building Component Safety Information by TPI and WTCAs practices prior to performing these functions. Installers shall provide on temporary bracing notices posted otherwise should shall have properly attached additional sheathing and bracing notices posted otherwise should shall have properly attached additional sheathing and bracing notices shall have bracing installed per BCSP sections 3.5, 8.7 or 8.10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any damage on any failure to build the truss in conformance with the ANSI/TPI 1 or for handling shipping or bracing of trusses. Apply plating to each face of truss and post it on as shown above and on Deck is unless noted otherwise. Refer to draw ngs 180A-2 for standard plate positions. A drawing or cover page 1 at the end of this drawing and cards specification of professional engineer in accordance with the responsibility of the Building Designer per ANSI/TPI 1, Sec 2. For more information see general notes page ITW BCG [www.itwbcg.com](http://www.itwbcg.com) TPI [www.tpi.net.org](http://www.tpi.net.org) WTCa [www.sciindustry.com](http://www.sciindustry.com)

CC [ccsc@ccs.org](mailto:ccsc@ccs.org)

Refer to and  
the safety  
for BCS1  
circuit chord  
in the  
wires

No. 7084

94-11

FLORIDA  
SIGNAL ENGINEER  
0821

~~08/21/2013~~

TC LL	20.0 PSF	REF	R487-- 4011
TC DL	7 0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233071
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	316744
DUR FAC.	1.25	FROM	JMM
SPACING	24.0"	JREF-	1UYZ487_Z03

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

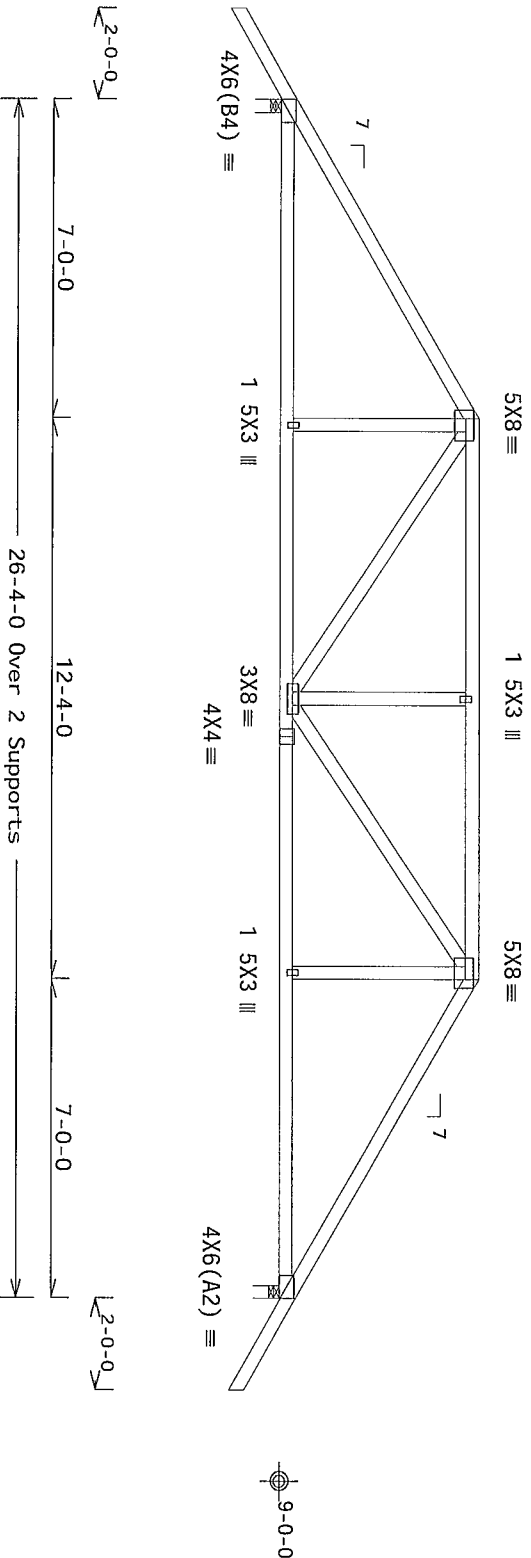
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located  
within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf,  
wind BC DL=5 0 psf GCpl(+/-)=0 18

Wind loads and reactions based on MWFRS

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

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

Special loads	
-----Lumber	
TC-From	Dur Fac =1 25 / Plate Dur Fac =1 25)
TC-From	56 pif at -2 00 to 56 pif at 7 00
TC-From	28 pif at 7 00 to 28 pif at 19 33
TC-From	56 pif at 19 33 to 56 pif at 28 33
BC-From	5 pif at -2 00 to 5 pif at 0 00
BC-From	20 pif at 0 00 to 20 pif at 7 03
BC-From	10 pif at 7 03 to 10 pif at 14 00
BC-From	10 pif at 14 00 to 10 pif at 19 30
BC-From	20 pif at 19 30 to 20 pif at 26 33
BC-From	5 pif at 26 33 to 5 pif at 28 33
TC-243 53 lb Conc	Load at 7 03, 19 30
TC-165 33 lb Conc	Load at 9 06, 11 06, 13 06, 13 27
BC-245 89 lb Conc	Load at 7 03, 19 30
BC-75 38 lb Conc	Load at 9 06, 11 06, 13 06, 13 27
15 27, 17 27	



R=2102 U=503 W=3 5" (3 5" min)

R=2102 U=503 W=3 5" (3 5" min)

PLT TYP Wave

Design Crit. FBC2010Com/TP1-2007(STD)  
F1/R1=10%(0%)/0(0)

FL/-/4/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837  
FL COA #0278

**\*\*IMPORTANT\*\*** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
READ AND FOLLOW ALL NOTES ON THIS SHEET  
Trusses require extreme care in fabricating shipping installing and bracing  
follow the latest edition of BCSI (Building Component Safety) information on by TPI and WFOA 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 bracing  
shall have bracing installed per BCSI sections B5 B7 or B10 as applicable  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design  
any fabricator who deviates from this design for shipping installing or bracing. For shipping and bracing  
bracing of trusses. Apply plates to each face of trusses and posts or struts at standard plate positions. A seal  
drawings or cover page listing this design and dates acceptance of professional engineering  
the responsibility of the Building Designer per ANSI/TP1 Sec 2 for more information see  
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design  
for more information see ITWBCG website at www.itwbcg.com or call 1-800-368-7777

Professional Engineer  
No. 70861  
STATE OF FLORIDA  
WILLIAM H. KRICK  
08/21/2013

TC LL	20.0 PSF	REF R487-- 4012
IC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCUR487 13233072
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON- 316751
DUR. FAC.	1.25	FROM JMW
SPACING	24.0"	JREF- 1UYZ487_203



THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MECHANICAL (DOWN HOP GIRDER)

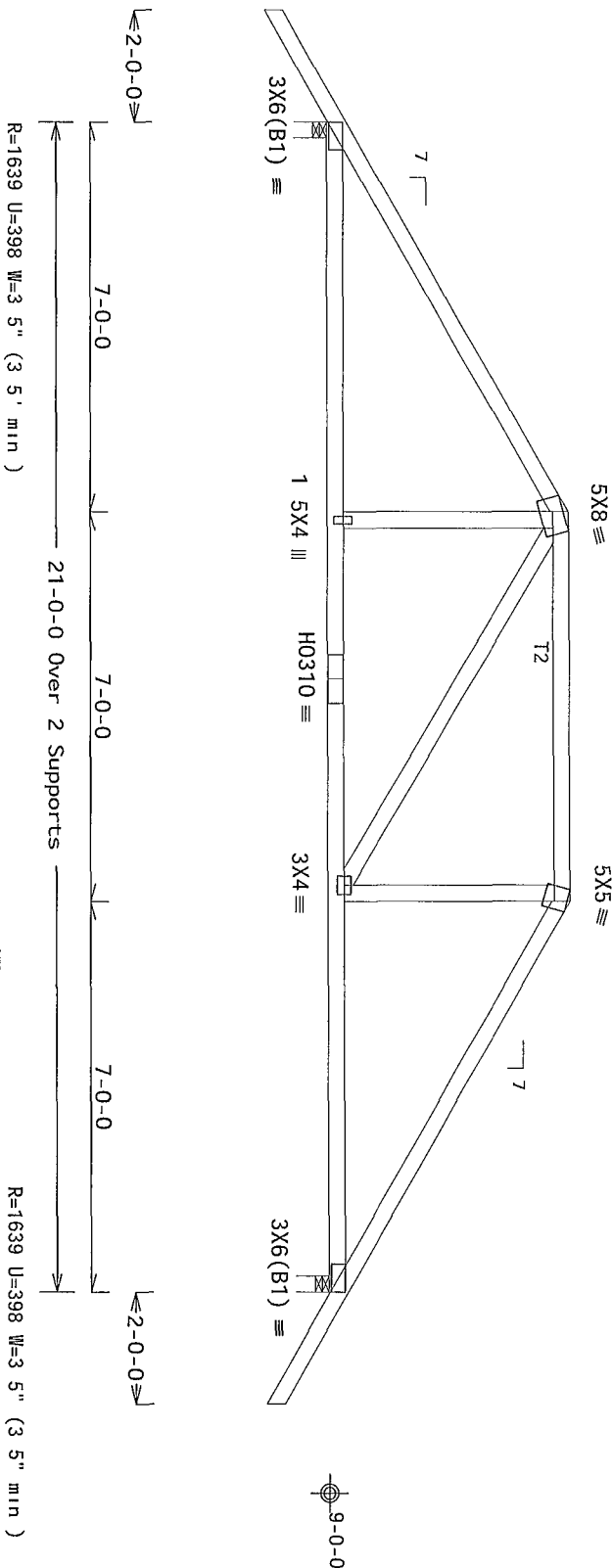
Webs 2x4 SP #3-13B

Special loads	Dur	Fac = 1	25 /	Plate	Dur	Fac = 1	25
-----Lumber							
TC-From	56	pif	at -2.00	to	56	pif	at 7.00
TC-From	28	pif	at 7.00	to	28	pif	at 14.00
TC-From	56	pif	at 14.00	to	56	pif	at 23.00
BC-From	5	pif	at -2.00	to	5	pif	at 0.00
FC-From	20	pif	at 0.00	to	20	pif	at 7.00

	Dur	Fat	=1	25	/	Plate	Dur	Fat	=1	25
---(Lumber	56	pif	at	-2	00	to	56	pif	at	7
TC-From	28	pif	at	7	00	to	28	pif	at	14
TC-From	56	pif	at	14	00	to	56	pif	at	23
TC-From	5	pif	at	-2	00	to	5	pif	at	0
BC-From	20	pif	at	0	00	to	20	pif	at	7
BC-From	10	pif	at	7	03	to	10	pif	at	10
BC-From	10	pif	at	10	00	to	10	pif	at	13
BC-From	20	pif	at	13	97	to	20	pif	at	13
BC-From	20	pif	at	13	97	to	20	pif	at	21
BC-From	20	pif	at	21	00	to	20	pif	at	23
BC-From	20	pif	at	23	00	to	20	pif	at	23

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

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



PLT TYP. 20 Gauge HS, Wave

Design Crit.: FBC2010Com/TP1-2007(STD)

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

1203:040326541.COMY:1 FL/-/4/-/-/R/-

Scale = .3125"/Ft.

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

[illegible]

# ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837  
FL COA #0278

[www.ccsafe.org](http://www.ccsafe.org)   
 [www.1tmbcg.com](http://www.1tmbcg.com)   
 [www.tp-nst.org](http://www.tp-nst.org)   
 [www.sbcindustry.com](http://www.sbcindustry.com)   
 [www.wtca.com](http://www.wtca.com)

STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
No. 70861

08/21/2013

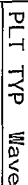
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IC DL	7 0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCURS487 13235073
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37 0 PSF	SEQN- 316752
DUR.FAC.	1.25	FROM JMM
SPACING	24 0"	JREF- 1UYZ487_Z03

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9 00 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP1 (+/-)=0 18

Wind loads and reactions based on MIMFRS with additional C&amp;C member design

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



ITY:1 FL/-/4/-/-/R/-

Scale = .25"/Ft.

*ITW Building Components Group Inc.*  
Orlando FL, 32837  
FL COA #0278

Orlando FL, 32837  
FL COA #0278

06/21/2013

~~08/21/2013~~

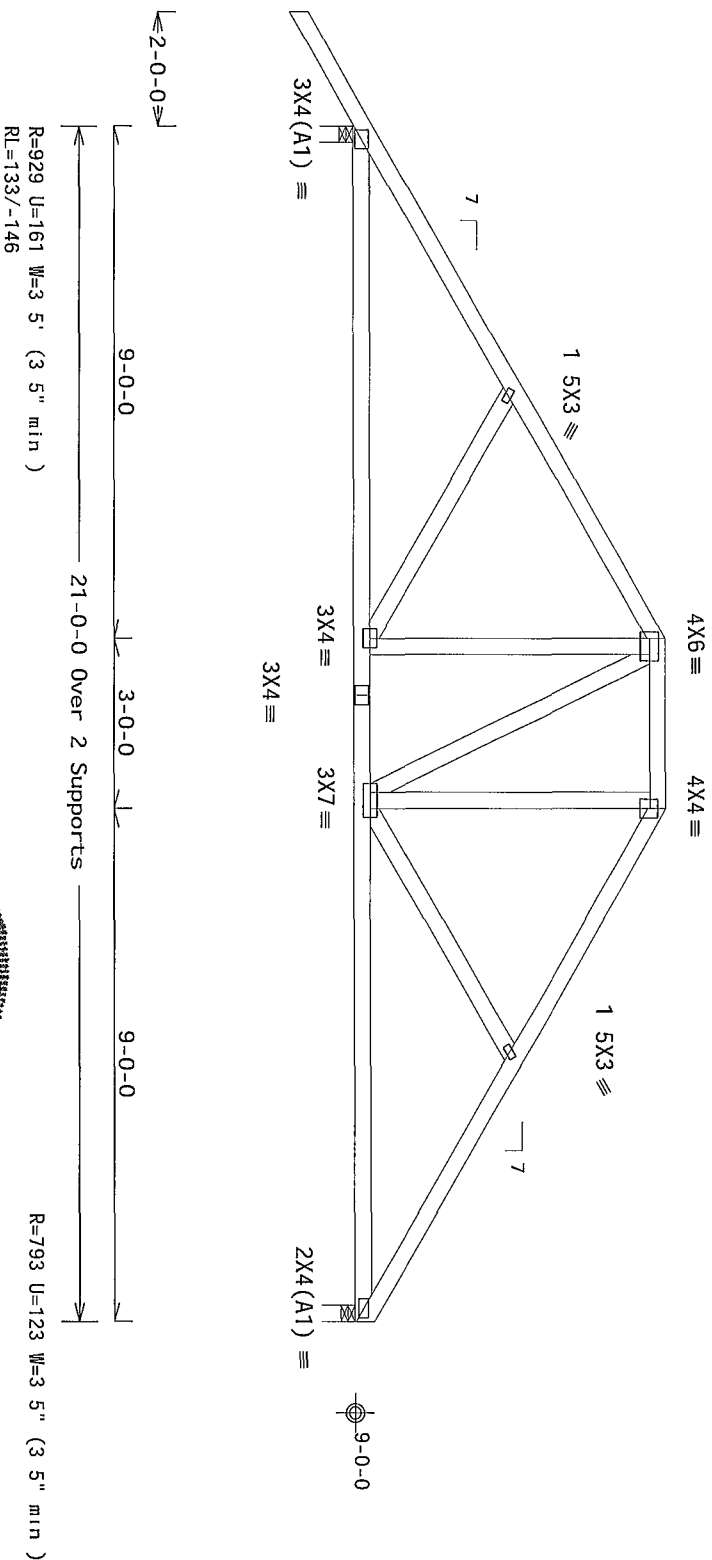
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TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCU8R487 13233074
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT LD	37.0 PSF	SEQN-	316745
DUR.FAC.	1.25	FROM	JMMW
SPACING	24.0"	JREF-	1UYZ487_Z03

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MEMBER (down Hip)

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

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

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



Design Crit: FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

Scale = .3125"/Ft.

# ALPINE

**ITW Building Components Group Inc.**

Orlando FL, 32837  
FL COA #0278

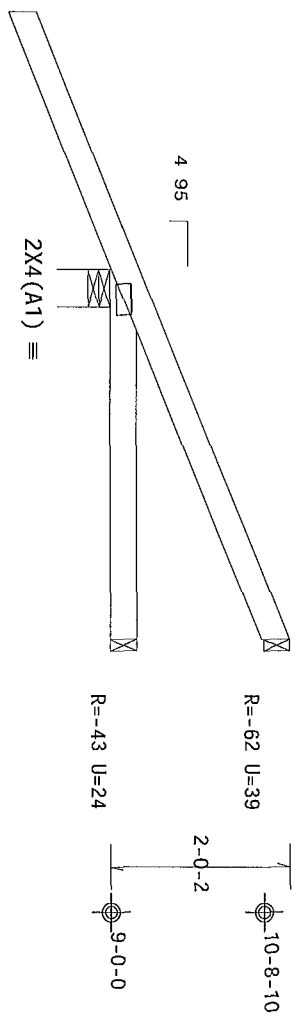
**\*\*IMPORTANT\*\*** **WARNING\*\*** **READ AND FOLLOW ALL NOTES ON THIS SHEET!**  
FURNISH THIS SECTION TO ALL CONTRACTORS INCLUDING INSTALLERS.  
Trussus require extreme care in fabricating, handling, installing and bracing  
to follow the latest edition of BCSI (Building Component Sheeting Information) by TPI and WTCA. The safe  
practises as per or to performing these functions. Installers shall provide temporary bracing for BCSI  
Unites and not otherwise. Top chord shall have properly attached structural sheath ng and bottom chord  
shall have a properly attached r g d ceiling. Locate one shown for permanent lateral restraint of posts  
shall have bracing installed per BCSI sections 83, 87 or 810 as appli cable  
1TW Build ng Components Group Inc (1TWBCG) shall not be responsible for any dev ation from this design  
any failure to build the truss in conformance with ANSI/TPI 1 or for handling or shipping the truss.  
Bracing of trusses and purlins to each face of truss and position as shown above and on the drawings  
drawing or cover pages listing this draw ng indicates acceptance of professional and bearing  
responsibility solely for the Building Designer. 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 on see  
general notes page 1TW BCG www 1twbcg.com TPI www tpi.net.org WTCA www theindustry.com  
OC www ccsafe.org

~~08/21/2013~~

TC LL	20.0 PSF	REF	R487--	4015
TC DL	7.0 PSF	DATE	08/21/13	
BC DL	10.0 PSF	DRW	H05R487	13233075
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT. LD.	37.0 PSF	SEQN-	316746	
DUR. FAC.	1.25	FROM	JMMV	
SPACING	24.0"	JREF-	1UYZ487	Z03

Top chord 2x4 SP #1-13B  
Bot chord 2x4 SP #1-13B  
Lumber grades designated with "13B use design values approved  
1/30/2013 by ALSC  
Deflection meets L/240 live and L/180 total load Creep increase  
factor for dead load is 1.50

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located  
anywhere in roof, RISK CAT II, EXP C, wind TC DL=3.5 psf, wind BC  
DL=5.0 psf GCP(+/-)=0.18  
Wind loads and reactions based on MMFRS  
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Top chord  
Provide (2) 16d common nails(0 162"x3 5"), toe nailed at Bot chord



2-9-15  
4-0-13 Over 3 Supports  
R=-58 U=189 W=4.95

PLT TYP. Wave  
Design Crit FBC2010Com/TP1-2007(STD)  
FT/RT=10%(0%)/0(0)

**ALPINE**

Orlando FL 32837  
FL COA #0278

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

Trusses require extreme care in fabrication and handling. Shipping and bracing must be done in accordance with the latest edition of BCS (Building Component Safety) Information by TPI and WDA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint. Trusses shall have bracing installed per BCS sections 85, 87 or 810 as applicable.

ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any damage to property or persons resulting from the use of this design. The user shall be responsible for the design and use of this design for any structure. The user shall be responsible for the design and use of this design for any structure. The user shall be responsible for the design and use of this design for any structure.

General notes page ITW BCG www.itwbcg.com TPI www.tpinet.org WDA www.wda-industry.com

**WILLIAM H. KRICK**  
No. 70861  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

FL/-/4/-/-/R/-	Scale = .5"/Ft.
TC LL 20.0 PSF	REF R487-- 4016
TC DL 7.0 PSF	DATE 08/21/13
BC DL 10.0 PSF	DRW HCUSR487 13233076
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT LD. 37.0 PSF	SECN- 316748
DUR. FAC 1.25	FROM JMW
SPACING 24.0"	JREF- 1UYZ487_Z03

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

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

Wind loads and reactions based on MWFRS

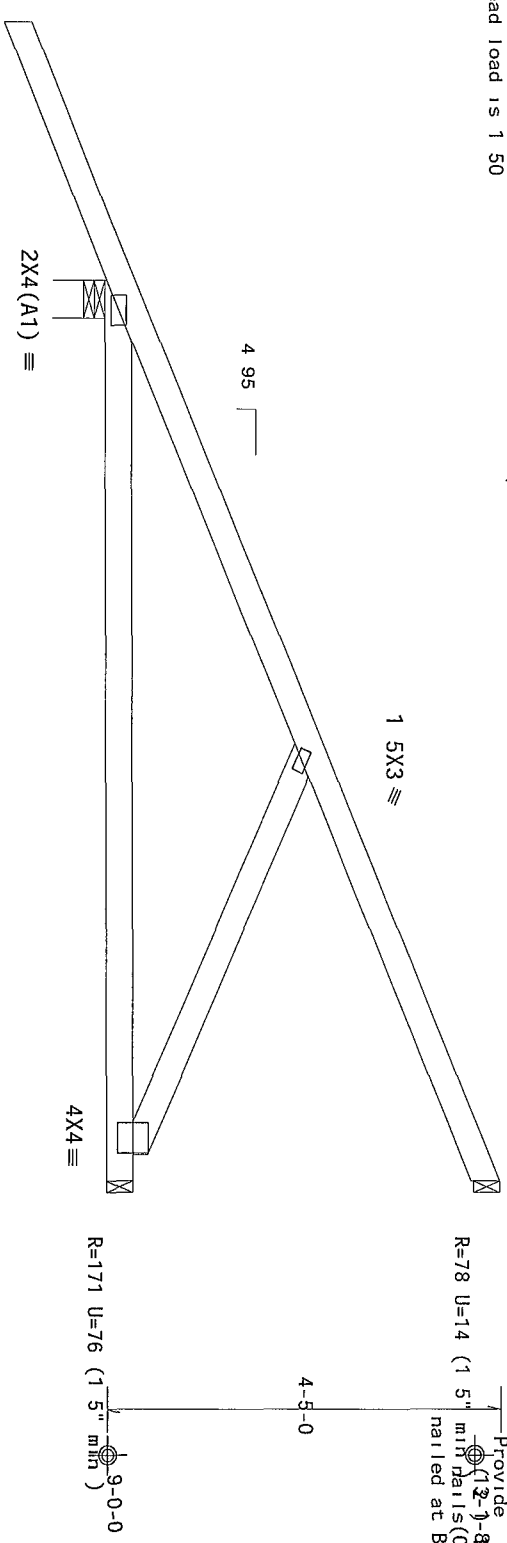
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

Special loads

	Dur Fac = 1.25 / Plate Dur Fac = 1.25
TC- From	0 pif at -2.83 to 55 pif at 0.00
TC- From	2 pif at 0.00 to 2 pif at 9.90
BC- From	0 pif at -2.83 to 4 pif at 0.00
BC- From	2 pif at 0.00 to 2 pif at 9.90
TC- 203.00 lb Conc	Load at 1.48
TC- 87.97 lb Conc	Load at 4.31
TC- 217.97 lb Conc	Load at 7.13
BC- 60.18 lb Conc	Load at 1.48
BC- 31.29 lb Conc	Load at 4.31
BC- 94.19 lb Conc	Load at 7.13

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

R=78 U=14 (1.5" min) with nails(0.162"x3.5"), toe nailed at Bot chord



2-9-15  
9-10-13 Over 3 Supports  
R=43 U=272 W=4.95" (4.95' min)

PLT TYP. Wave

Design Crit FBC2010Com/TP1-2007(STD)

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

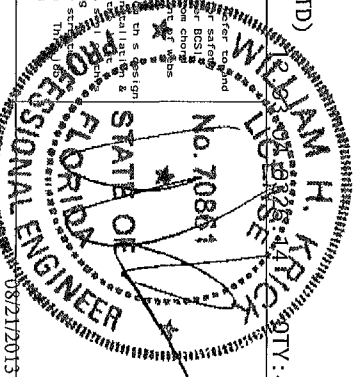
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS  
Trusses require extreme care in handling and bracing. Follow the latest edition of BCSI (Building Component Safety) information by TPI and WDOA. Trusses must be braced prior to performing these functions. Installers shall provide temporary bracing and bracing details noted elsewhere on top chord shall have properly attached structural sheathing and bracing details. Trusses shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any damage or injury to a building or its contents caused by the use of this design for any structure other than a building or its contents. The user shall be responsible for obtaining all necessary permits and for obtaining all necessary approvals from the local building department. The user shall be responsible for obtaining all necessary approvals from the local building department. The user shall be responsible for obtaining all necessary approvals from the local building department.

ALPINE

ITW Building Components Group Inc.  
Orlando FL 32837  
FL COA #0278



FL/-/4/-/-/R/-		Scale =.5"/Ft.	
TC LL	20.0 PSF	REF	R487-- 4017
TC DL	7.0 PSF	DATE	08/21/13
BC DL	10.0 PSF	DRW	HCUSR487 13233077
BC LL	0.0 PSF	HC-ENG	WHK/MHK
TOT LD	37.0 PSF	SEQN-	316749
DUR.FAC.	1 25	FROM	JMM
SPACING	24 0"	JREF-	1UYZ487_203

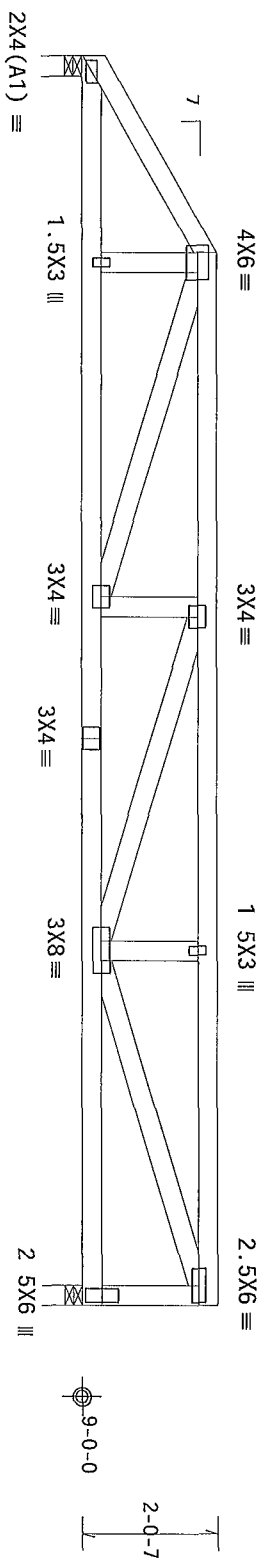
Scale = .5"/Ft.

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MECHANICAL SPECIAL GIRDER)

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

	Dur	Fac = 1	25 /	Plate	Dur	Fac = 1	(25)
Special loads							
--(Lumber							
TC- From	56 pif at	0 00 to		56 pif at	2 88		
TC- From	28 pif at	2 88 to		28 pif at	18 29		
BC- From	20 pif at	0 00 to		20 pif at	2 91		
BC- From	10 pif at	2 91 to		10 pif at	10 00		
BC- From	10 pif at	10 00 to		10 pif at	18 29		
TC- -22 99 lb Conc	Load at	2 91					
TC- 39 15 lb Conc	Load at	4 94,	6 94,	8 94,	10 94		
12 94, 14 94, 16 94							
BC- -29 30 lb Conc	Load at	2 91					
BC- 13 46 lb Conc	Load at	4 94,	6 94,	8 94,	10 94		
12 94, 14 94, 16 94							

Right end vertical not exposed to wind pressure



R=558 U=199 W=3 5" (3 5' min)

R=565 U=146 W=3 5" (3 5" min)

PLT\_TYP Wave

Design Crit	FBC2010Com/TP1-2007(STD) FT/RT=10%(0%)/0(0)

QTY.1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

# ALPINE

**ITV Building Components Group Inc.**

Orlando FL, 32837  
FL COA #0278

**\*\*IMPORTANT: IT'S YOUR DECISION TO ALL CONTRACTORS INCLUDING INSTALLERS**  
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCIS (Building Component Safety Information by TPI and WTCO) practices, per or to perform the three functions. Installers shall provide temporary bracing for trusses noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCIS' section 83.87 or 810 as applicable.  
 1) Building Components Group Inc. (ITMBCO) shall not be responsible for any device or failure to build the truss in conformance with ANSI/TPI 1 or for handling, rigging, bracing of trusses. Apply plates to each face of trusses and post it on as shown above and on details unless noted otherwise. Refer to drawings TB00-2 for standard plate locations. A truss shall be braced in accordance with the applicable code and the manufacturer's instructions. The suitability and use of the truss is the responsibility of the designer. The suitability and use of the truss is the responsibility of the designer. The suitability and use of the truss is the responsibility of the designer.  
 general notes page 17B BCIS www.tbco.com TPI www.tpinet.org WTCO www.sbdindustry.com  
 CDC www.cdc.org

TC LL	20.0 PSF	REF R487-- 4018
TC DL	7.0 PSF	DATE 08/21/13
BC DL	10.0 PSF	DRW HCSUR487 1323307
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 316753
DUR. FAC.	1.25	FROM JMM
SPACING	24.0"	JREF- 1UYZ487_20

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED  
CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB  
BRACING

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE FOR MINIMUM ALTERNATIVE BRACING RE-RUN DESIGN WITH APPROPRIATE BRACING

WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING	
		T OR L BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1 2X4
2X3 OR 2X4	2 ROWS	2X6	2 2X4
2X6	1 ROW	2X4	1 2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1 2X8
2X8	2 ROWS	2X6	2 2X6(*)

T-BRACE L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEERS SEALED DESIGN

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



Building Components Group Inc.

**Building Components Group Inc.**

Earth City MO 63045

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

Trusses represent a frame core in, above and around, raftering and bracing. Refer to the following BCSI Building Component Safety Information by IP and VITA for safety practices pertaining to these functions. Installers should provide temporary bracing per BCSI Unassisted Erection and Erection of Trusses. Trusses are designed to be installed on a level surface. Otherwise, top chord shall have properly attached structural purlins and bottom chord shall have properly attached rafter ceiling. Locations show for permanent steel restraint of rafter sides having a purlin or rafter ceiling. See notes for more information. See notes for more information. Bracing install per BCSI sections B3 & B7. See rafter notes page for more information.

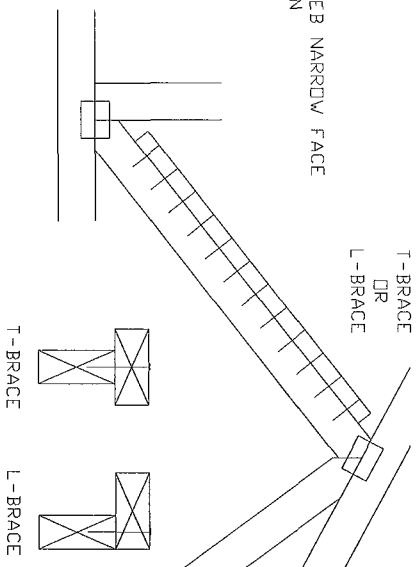
\*\*\*IMPORTANT\*\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR

ITW Building Components Group Inc. (ITWBCG) should not be responsible for any deviation from this design, only the volume to build the truss in conformance with TPI or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of E018/16GA V.H./S/K/A, Grade 317/40/60 (K/M/H/S) galv steel. Apply plates to each face of truss positioned as shown above and on joint details.

A seal on this drawing or cover page indicates acceptance and professional engineering solely for the truss component design shown. The suitability and use of this component building is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2  
ITW BCG: [www.itwbcg.com](http://www.itwbcg.com) TPI: [www.tpinet.com](http://www.tpinet.com) VICA: [www.steelindustry.com](http://www.steelindustry.com), ICC: [www.ccsafe.org](http://www.ccsafe.org)

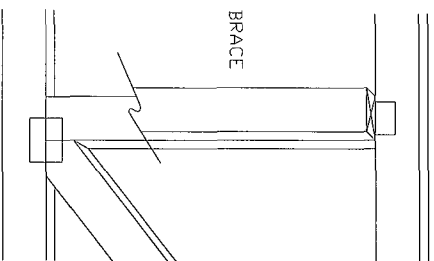
L-BRACING

APPLY TO EITHER SIDE OF WEB NARROW FACE  
ATTACH WITH 10d BDX DR GUN  
CO128" x 3 MIN D NAILS  
AT 6" DC  
BRACE IS A  
MINIMUM 80% OF WEB  
MEMBER LENGTH



APPLY SCABRS) TO WIDE FACE OF WEB

ATTACH WITH 10d BOX OR GUN  
 (0128 x 3 MIN) NAILS  
 AT 6" OC  
 BRACE IS A MINIMUM  
 80% OF WEB MEMBER LENGTH



SCAB BRACE

No. 70864

SECRET

3

9

Aug 27

**ORIGINAL**

— 100 —

REF	CLB SUBST
DATE	1/1/09
DRWG	BRCLBSUB00
TC LL	PSF
TC DL	PSF
BC DL	PSF
BC LL	PSF
TOT LD	PSF
DUR FAC	

DRWG BRCLBSUB0109

MINIMUM SPACING FOR SINGLE BLOCK IS DOWN DOUBLE NAIL SPACINGS  
AND STAGGER NAILING FOR TWO BLOCKS GREATER SPACING MAY BE  
REQUIRED TO AVOID SPLITTING

### MINIMUM NAIL SPACING DISTANCES

BLOCK LOCATION SIZE LENGTH GRADE AND TOTAL NUMBER AND TYPE OF  
NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL

LOAD PERPENDICULAR TO GRAIN

### A EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS

B SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS);

( END DISTANCE (15 NAIL DIAMETER))

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

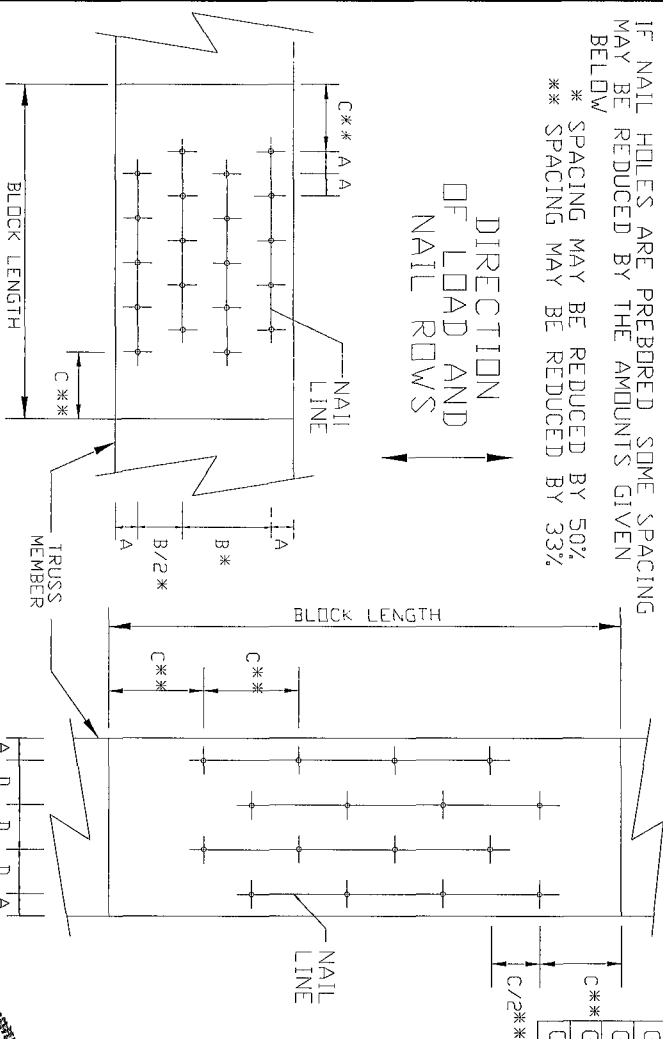
C SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

D SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)



IF NAIL HOLES ARE PREBORED SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN -

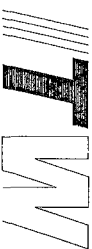
BELOW

\* SPACING MAY BE REDUCED BY 50%  
\*\* SPACING MAY BE REDUCED BY 33%



NAIL TYPE	DISTANCES				
	A	B*	C**	D	
8d BOX (0113 X 2.5 MIN)	3/4	1 3/8	1 3/4"	7/8	
10d BOX (0128 X 3 MIN)	7/8	1 5/8	2	1	
12d BOX (0128 X 3.25 MIN)	7/8	1 5/8	2	1	
16d BOX (0135 X 3.5 MIN)	7/8	1 5/8	2 1/8	1 1/8	
20d BOX (0148 X 4 MIN)	1	1 7/8	2 1/4	1 1/8	
8d COMMON (0131 X 2.5 MIN)	7/8	1 5/8	2	1	
10d COMMON (0148 X 3 MIN)	1	1 7/8	2 1/4	1 1/8	
12d COMMON (0148 X 3.25 MIN)	1	1 7/8	2 1/4	1 1/8	
16d COMMON (0162 X 3.5 MIN)	1	2	2 1/2	1 1/4"	
GUN (0120 X 2.5 MIN)	3/4	1 1/2	1 7/8"	1"	
GUN (0131 X 2.5 MIN)	7/8	1 5/8"	2	1	
GUN (0120 X 3 MIN)	3/4	1 1/2	1 7/8	1"	
GUN (0131 X 3 MIN)	7/8	1 5/8	2	1	

LOAD APPLIED PERPENDICULAR TO GRAIN	LOAD APPLIED PARALLEL TO GRAIN
	



Building Components Group Inc

Earth City MO 63045

AM. H. I.  
LICENSE  
No. 70861

STATION

FLORIDA  
Aug 2  
PROFESSIONAL ENGINEER  
10872

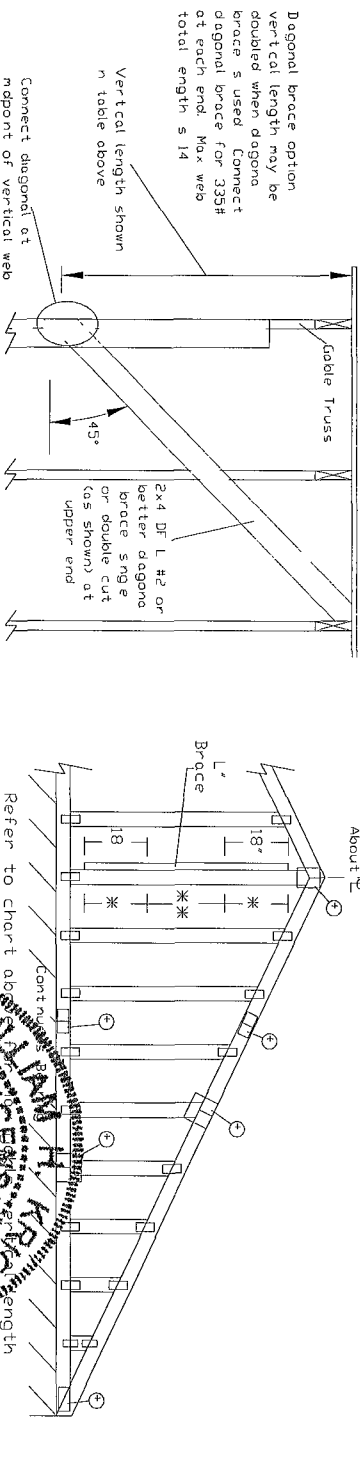
REF	NAIL SPACE
DATE	1/1/09

DRWG C>NNAILSP0109



# ASCE 7-10 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 100 Or 100 mph Wind Speed 15 Mean Height Partially Enclosed Exposure C Kzt = 100 Or 100 mph Wind Speed 15 Mean Height Enclosed Exposure D Kzt = 100

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



Building Components Group Inc.

Earth City MO 63045

11V Building Components Group Inc. shall not be responsible for any deviation from this drawing or failure to build the truss in accordance with ANSI/TPI 1 or for handling shipping installation or bracing of trusses. A seal on this drawing or cover page, stating this drawing, indicates acceptance of professional engineering re possible by solely for the design shown. The suitability and use of the truss shall be determined by the user. For more information see this jobs general notes page and the user job sites.

11VBCG, www.tlbcg.com, TPI, www.tlbcg.com, IBC, www.tlbcg.com

Trusses require extreme care in erecting handling shipping installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information by TPI and VITA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI practices prior to erecting these trusses. Trusses shall be properly braced and supported during erection. Trusses shall have bracing installed per BCSI sections 83, 87 or 810 as applicable. Apply plates to each face of truss and position as shown above and on the Joint Data unless noted otherwise. Refer to drawings 160A Z for standard plate positions.

11VBCG, www.tlbcg.com, TPI, www.tlbcg.com, IBC, www.tlbcg.com

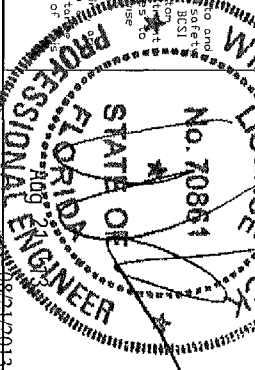
MAX TDT LD 60 PSF

MAX SPACING 24 0

REF ASCET-10-GAB12015

DATE 2/14/12

DRWG A12015ENC100212



Bracing Group Species and Grades		Group A		Group B	
Species	Grade	Species	Grade	Species	Grade
SPF	#1 / #2	SPF	#1 / #2	SPF	#1 / #2
Stud	Standard	Stud	Standard	Stud	Standard
Standard	Standard	Standard	Standard	Standard	Standard

Attach L braces with 10d (10128"x30") 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	2x4
Greater than 11 6	25x4

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

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

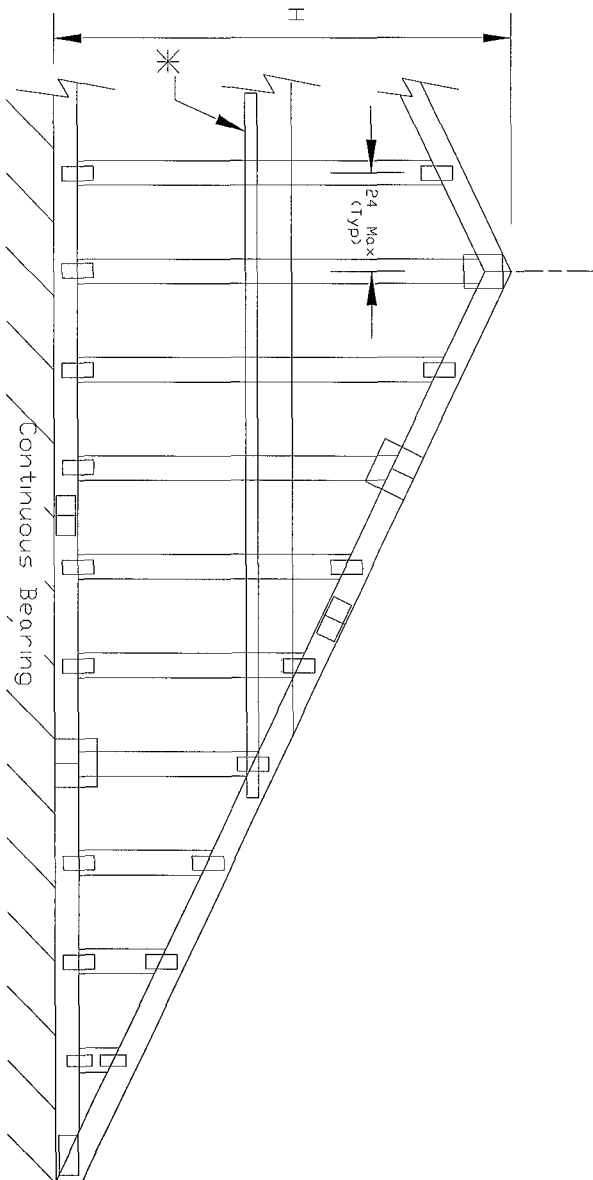
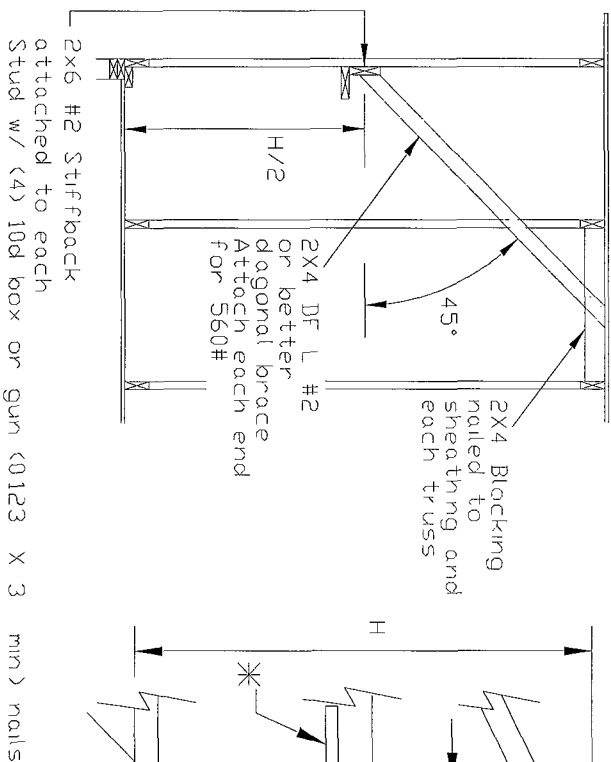


Wind	DL=50 psf	Wind	BC	DL=50 psf	Wind	BC	DL=50 psf
120 mph	30ft	Mean	Hgt	ASCE	7-10	Enclosed	Exp C or
100 mph	30ft	Mean	Hgt	ASCE	7-10	Enclosed	Exp D or
100 mph	30ft	Mean	Hgt	ASCE	7-10	Part	Enclosed
100 mph	30ft	Mean	Hgt	ASCE	7-10	Part	Enclosed
Kzt = 1.00	Wind	TC	DL=50 psf	Wind	BC	DL=50 psf	

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

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

Nails 10d box or gun (0.128 x 3 mm) 1 can



H Less than 4 6 no stud bracing required

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

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

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



Building Components Group Inc.

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Earth City MO 63045

\*\*\*WARNING\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING;  
 \*\*\*IMPORTANT\*\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

[illegible][illegible]

CHICKEN

~~No. 70861~~

STATE OF

A circular professional engineer seal for the State of Florida. The outer ring contains the text "FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom. The inner circle contains the text "JUL 19 1994" and "15000".

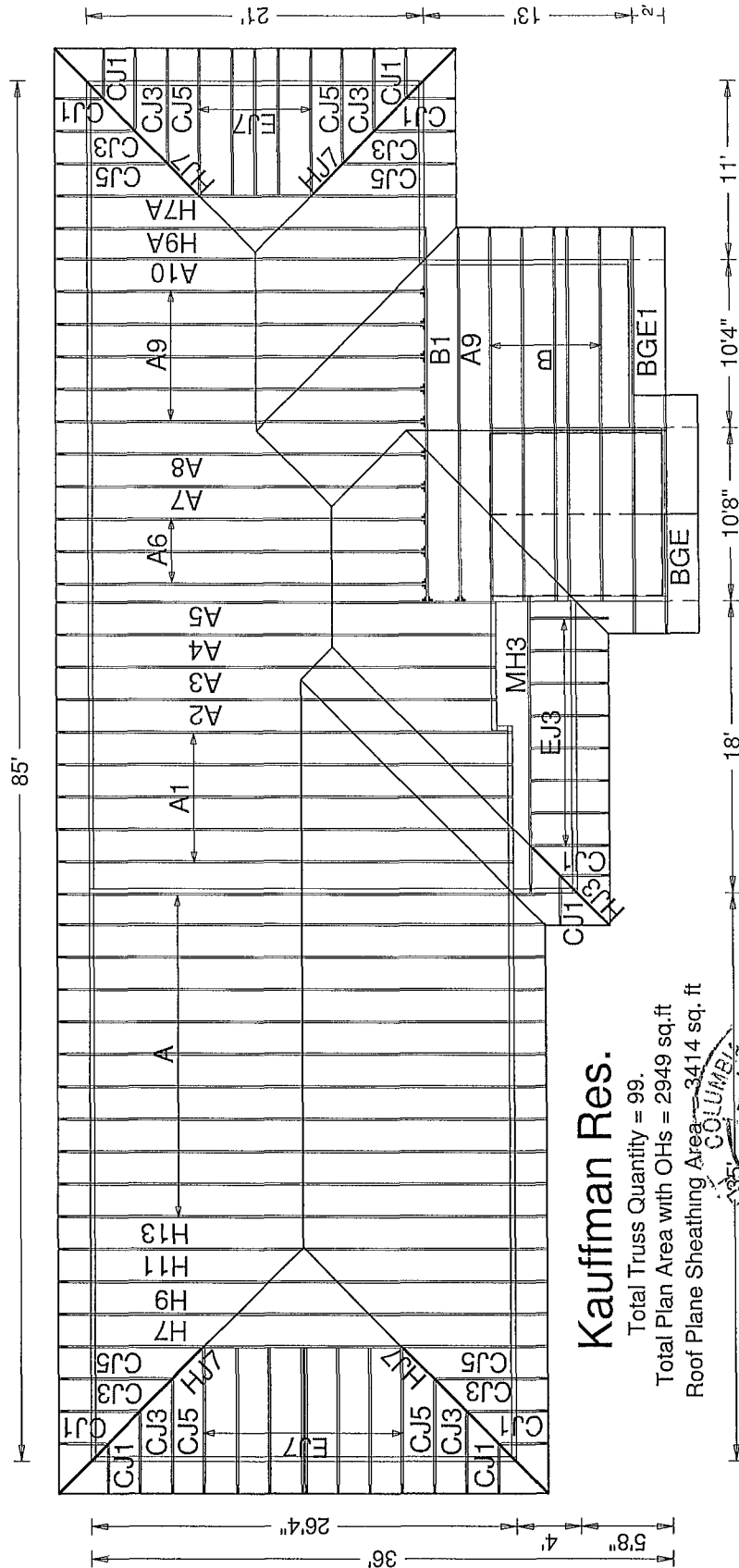
MAX TOT LD 60 PSF

MAX SPACING

REF GE WHALER

DATE 2/14/12

DRWG GABRST100212



# Kauffman Res.

Total Truss Quantity = 99.  
 Total Plan Area with OHs = 2949 sq.ft  
 Roof Plane Sheathing Area = 3414 sq. ft

