



# 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: IUQM487-Z01251722901

Truss Fabricator: Anderson Truss Company

Job Identification: 12-309-Glenwood King Lacy Crews Residence -- Columbia County, FL

Truss Count: 92

Model Code: Florida Building Code 2010

Truss Criteria: FBC2010Res/TP1-2007(STD)

Engineering Software: Alpine Software, Version 10.03.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61615-31.003(5a) of the FAC

Minimum Design Loads: Roof - 37.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 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/TP1 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

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

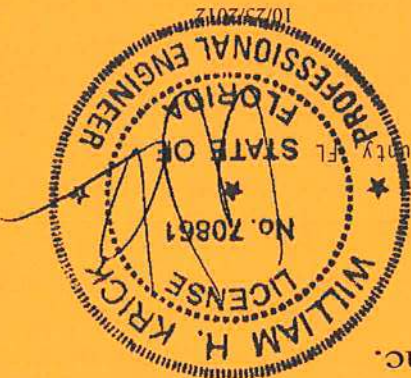
#	Ref	Description	Drawing#	Date
1	34703	-c-j08	12299001	10/25/12
2	34704	-c-j1	12299002	10/25/12
3	34705	-c-j2	12299003	10/25/12
4	34706	-c-j3	12299004	10/25/12
5	34707	-c-j5	12299005	10/25/12
6	34708	-c-j6	12299006	10/25/12
7	34709	-c-j7	12299007	10/25/12
8	34710	-c-j7a	12299008	10/25/12
9	34711	-c-j7b	12299009	10/25/12
10	34712	-c-j7c	12299010	10/25/12
11	34713	-c-j7d	12299011	10/25/12
12	34714	-c-j7e	12299012	10/25/12
13	34715	-c-j7f	12299013	10/25/12
14	34716	-c-j7f	12299014	10/25/12
15	34717	-c-j7g	12299015	10/25/12
16	34718	-h-j3	12299016	10/25/12
17	34719	-h-j5	12299017	10/25/12
18	34720	-h-j9	12299018	10/25/12
19	34721	-p-b01	12299019	10/25/12
20	34722	-p-b02	12299020	10/25/12
21	34723	-p-b03	12299021	10/25/12
22	34724	-p-b04	12299022	10/25/12
23	34725	-p-b05	12299023	10/25/12
24	34726	-p-b06	12299024	10/25/12
25	34727	-p-b07	12299025	10/25/12
26	34728	-t-09	12299026	10/25/12
27	34729	-t-1	12299027	10/25/12
28	34730	-t-10	12299028	10/25/12
29	34731	-t-11	12299029	10/25/12
30	34732	-t-12	12299030	10/25/12
31	34733	-t-13	12299031	10/25/12
32	34734	-t-14	12299032	10/25/12
33	34735	-t-15	12299033	10/25/12
34	34736	-t-16	12299034	10/25/12
35	34737	-t-17	12299035	10/25/12
36	34738	-t-18	12299036	10/25/12
37	34739	-t-19	12299037	10/25/12
38	34740	-t-2	12299038	10/25/12

#	Ref	Description	Drawing#	Date
39	34741	-t-20	12299039	10/25/12
40	34742	-t-22	12299040	10/25/12
41	34743	-t-23	12299041	10/25/12
42	34744	-t-24	12299042	10/25/12
43	34745	-t-25	12299043	10/25/12
44	34746	-t-26	12299044	10/25/12
45	34747	-t-27	12299045	10/25/12
46	34748	-t-28	12299046	10/25/12
47	34749	-t-29	12299047	10/25/12
48	34750	-t-3	12299048	10/25/12
49	34751	-t-33	12299049	10/25/12
50	34752	-t-34	12299050	10/25/12
51	34753	-t-35	12299051	10/25/12
52	34754	-t-36	12299052	10/25/12
53	34755	-t-37	12299053	10/25/12
54	34756	-t-38	12299054	10/25/12
55	34757	-t-39	12299055	10/25/12
56	34758	-t-4	12299056	10/25/12
57	34759	-t-42	12299057	10/25/12
58	34760	-t-43	12299058	10/25/12
59	34761	-t-44	12299059	10/25/12
60	34762	-t-45	12299060	10/25/12
61	34763	-t-46	12299061	10/25/12
62	34764	-t-47	12299062	10/25/12
63	34765	-t-48	12299063	10/25/12
64	34766	-t-49	12299064	10/25/12
65	34767	-t-5	12299065	10/25/12
66	34768	-t-50	12299066	10/25/12
67	34769	-t-51	12299067	10/25/12
68	34770	-t-52	12299068	10/25/12
69	34771	-t-53	12299069	10/25/12
70	34772	-t-54	12299070	10/25/12
71	34773	-t-59	12299071	10/25/12
72	34774	-t-6	12299072	10/25/12
73	34775	-t-60	12299073	10/25/12
74	34776	-t-61	12299074	10/25/12
75	34777	-t-65	12299075	10/25/12
76	34778	-t-66	12299076	10/25/12



#	Ref	Description	Drawing#	Date
77	34779	-t-67	12299077	10/25/12
78	34780	-t-68	12299078	10/25/12
79	34781	-t-69	12299079	10/25/12
80	34782	-t-7	12299080	10/25/12
81	34783	-t-70	12299081	10/25/12
82	34784	-t-71	12299082	10/25/12
83	34785	-t-72	12299083	10/25/12
84	34786	-t-73	12299084	10/25/12
85	34787	-t-74	12299085	10/25/12
86	34788	-t-75	12299086	10/25/12
87	34789	-t-75a	12299087	10/25/12
88	34790	-t-75b	12299088	10/25/12
89	34791	-t-75c	12299089	10/25/12
90	34792	-t-76	12299090	10/25/12
91	34793	-t-8	12299091	10/25/12
92	34794	-t-8	12299092	10/25/12

William H. Krick  
-Truss Design Engineer-  
1950 Marley Drive  
Haines City, FL 33844



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

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

Right end vertical not exposed to wind pressure.



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

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

10.03.1/1.0209/20

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

Scale = .5"/Ft.

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

[illegible]

~~ALPINE~~

Holding Components Group Inc.

Haines City, FL 33844  
FL COA #0278

The responsibility of the Building Designer per AISI/TPI 1 Sec. 2. For more information see: This Job's general notes page; TH-BD; [www.tubco.com](http://www.tubco.com); TPI: [www.tpiinst.org](http://www.tpiinst.org); WIGA: [www.shelindustry.com](http://www.shelindustry.com); IBC: [www.icsaite.org](http://www.icsaite.org)

10/25/2012

SPACING

24.0"

JREF - 1UQM487\_Z01



(12-309--Glenwood King Lacy Crews Residence -- Columbia County, FL - CJI)

Top chord 2x4 SP-#1-12A  
Bot chord 2x4 SP-#1-12A

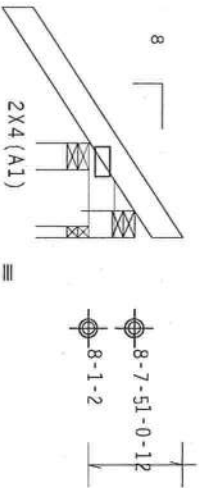
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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



L 1-6-0  
1-0-7 over 3 supports

R=42.88 U=23.00 W=3.5"  
R=-4.9 RW=19 U=39 W=3.5"  
RL=27/-23

Design Crit: FBC2010Res/TPI-2007(Std)

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

03/11/2009-20

FL/-/4/-/0/-/R/-

Scale = .5"/Ft.

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

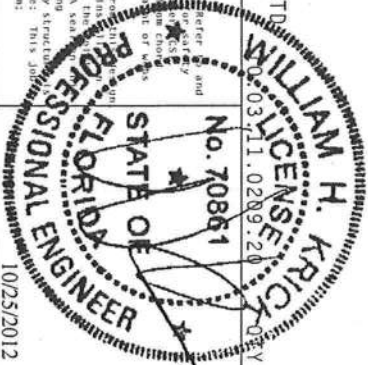
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and WCA or safety practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chords shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing or bracing shall have bracing installed per BCSI sections B1, B2 or B10, as applicable.

The Building Components Group Inc. (TIBCO) shall not be responsible for any deviation from the manufacturer's building code, ASCE 7-10, or for handling, shipping, installation, or bracing of the truss. The manufacturer shall be responsible for the design of the truss and for the bracing details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal of approval is provided for the design shown. The suitability and use of this design for any structural application is the responsibility of the building designer per ASCE 7-10, Sec. 2. For more information see: This job's general notes page: TIBCO: www.tibco.com; TPI: www.tpiinc.org; WCA: www.sbcindustry.com; IBC: www.iccsafe.org

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Building Components Group Inc.

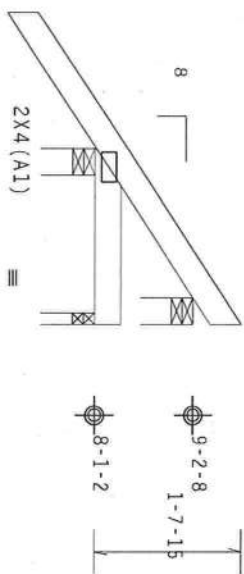
Haines City, FL 33844  
FL COA #0278



TC LL	20.0 PSF	REF R487-- 34704
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUSR487 1229002
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SECON 26820
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1U0M487_Z01

Top chord 2x4 Sp\_#1\_12A  
Bot chord 2x4 Sp\_#1\_12A  
Lumber grades designated with "12A" use design values approved  
1/5/2012 by ALSC.  
Bottom chord checked for 10.00 psf non-concurrent live load.

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



$\angle$  1-6-0  $\times$  1-7-11  $\times$  0+3-18  
 $\xrightarrow{\text{1-11-3 Over 3 Supports}}$

R=219 U=24 W=3.5" R=15 U=6 W=3.5"  
RL=37/-26

PLT TYP. Wave

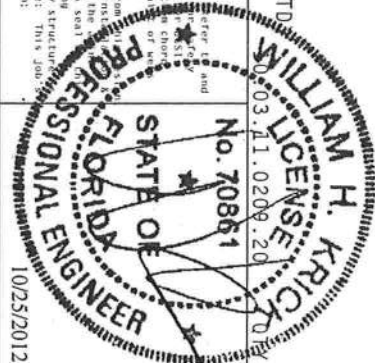
Design Crit: FBC2010Res/TPI-2007(STL  
FT/RT=10%(0%)/0(0)

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

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Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278

[illegible]

:2 FL/-/4/-/-/R/-		Scale =.5"/Ft.	
TC LL	20.0 PSF	REF	R487-- 34705
TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HCUSR487 12295003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEON -	26828
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1UOM487_Z01

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC

 $DL=5.0 \text{ psf. } GCPI(+/-)=0.18$ 

Wind loads and reactions based on MAFRS 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.



PLT TYP. Wave

40:03:11.0209.20

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

ALPINE

[illegible]

10/25/2012

JREF- 1UQM487\_201





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

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

Right end vertical not exposed to wind pressure.



10-03-11 0209.20

Scale = .5"/Ft.

U.S. DEPARTMENT OF AGRICULTURE  
BUREAU OF PLANT INDUSTRY  
WASHINGTON, D. C.

10/25/2012

DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1UQM487_Z01

2A  
2A

ten

for

Df

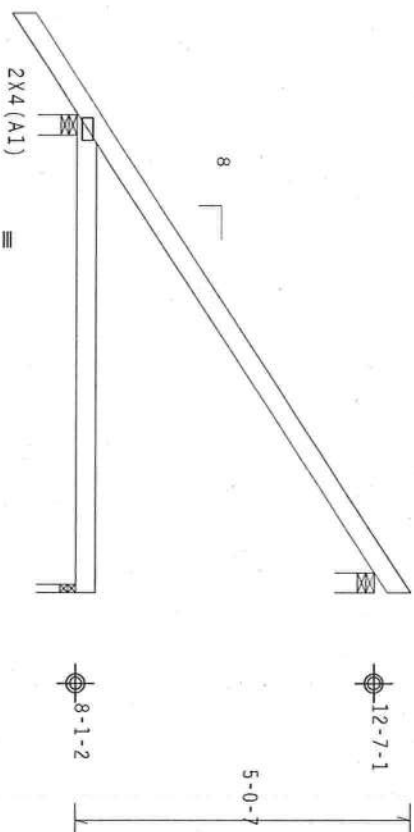


Diagram of a continuous beam with three supports. The beam is divided into two equal spans of 70.0 feet each. The total length is 140.0 feet. The beam is labeled "6-8-8" in the center. The left end is labeled "1-6-0" and the right end is labeled "0-13-8".

RL=93/-43

R=172 U=44  
R=128 U=0 W=1.5"

Design Crit: FBC2010Res/TPI-2007(STD

BC2010Res/TP1-2007  
FT/RT=10%(0%)/0(0)

10.03.11.0209.20

**CITY**

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

Scale = .375"/Ft.

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

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 restraint shall have bracing installed per AISC sections B3, B7 or B10, as applicable.

ALPINE

Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278

For a complete listing of products, services, and information, visit our website at [www.enr.com](http://www.enr.com). For more information, contact us at 1-800-393-6343 or [info@enr.com](mailto:info@enr.com).

10/25/2012

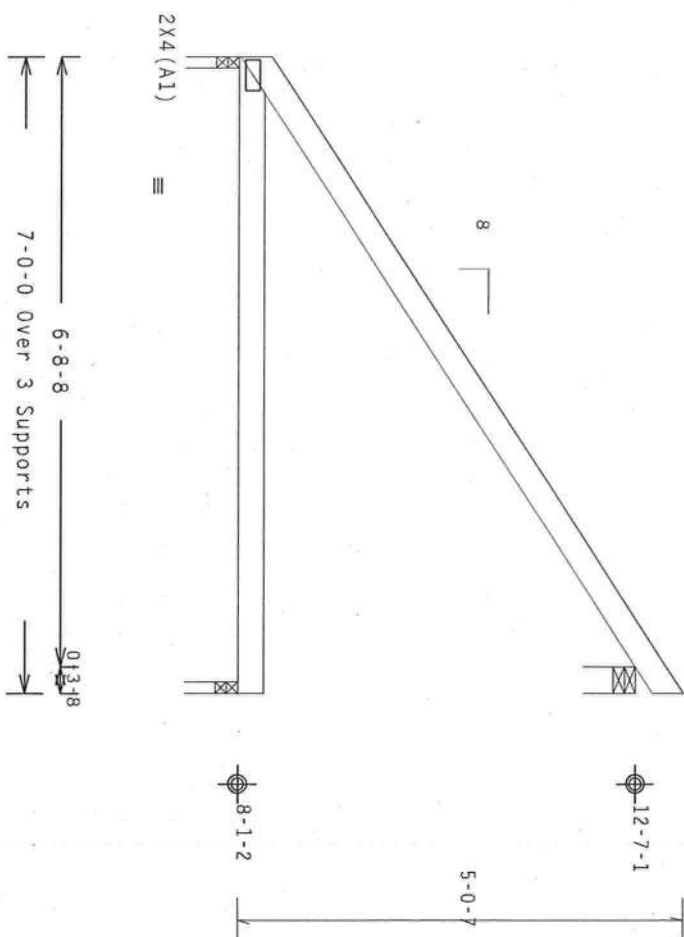
9	FL/-/4/-/-/R/-	Scale = .375"/Ft.
TC LL	20.0 PSF	REF R487 - - 34709
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUSR487 12295007
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN - 26926
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1U0M487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.  
County, FL - eJ7a)

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC

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

Deflection mm at 1/240 load and 1/180 load



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

2003.11.02 09:20

Scale = .5" / Ft.

No. 70861

Insurers require care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety Information, by TPI and MGA) for practices prior to performing these functions. Installers shall provide temporary bracing for all steel members until permanent bracing is installed. Temporary bracing shall be designed and installed by a qualified engineer. All bracing shall have a properly attached end connection. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections B3, or B10, as applicable.

FILED

**Wilpding Components Group Inc**

Haines City, FL 33844  
FL COA #0 278

GENERAL NOTES: TYPE: ILM-BLD; WWW: ILM.BLD.GOV; IPI: WWW.IPI.OST.ORG; NICA: WWW.SOE.INDUSTRY.GOV;  
TCC: WWW.TCCSAFE.ORG

10/25/2012

SPACING 24.0"

JREF - 1U0M487\_Z01



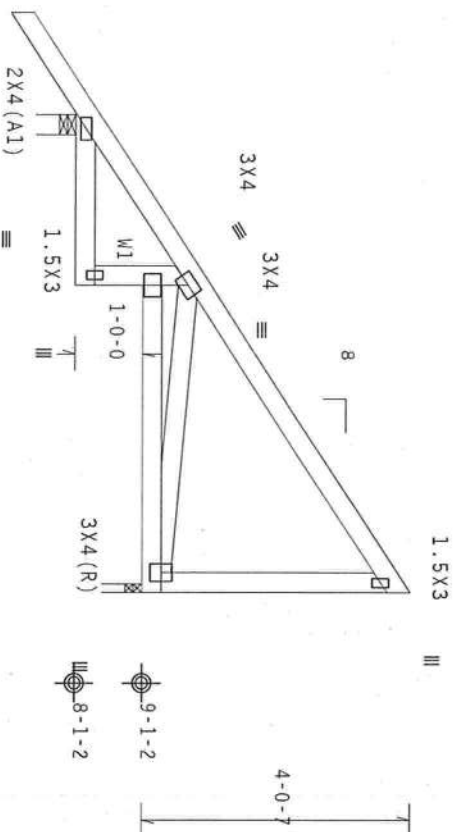
THIS DRG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TROSS MFR.

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

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

Right end vertical not exposed to wind pressure.

++ Anchorage req'd to prevent truss from slipping off bearing.



2-6-0 4-6-0  
7 0 0 Over 2 Supports

R=379 U=0 W=3.5"  
R=251 U=31 W=1.5"

PLT TYP.	Wave	Design Crit:	FBC2010Res/TPI-2007 (STD)	FT/RT=10%(0%)/0(0)
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10-03-11.0209.20

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

Scale = .375" / Ft.

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

Those people who are in fabricating, painting, stripping, testing and bracing, follow the latest edition of BSI Building Component Safety Information, by TFI and WITCO, shall have a properly attached Field ceiling. Insulators shall provide temporary bracing, unless noted otherwise. Top chord shall have properly attached structural sheathing and blocking. All other members shall have properly attached Field ceiling. Locations shown for permanent lateral restraint of joists shall have bracing installed per BSI sections B3, B7 or B10, as applicable.

~~ALPINE~~

Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278

the responsibility of the Building Designer per ANSI/AP1 Sec.2. For more information see: This Job's general notes page: ITW-IDA: [www.itw-ida.com](http://www.itw-ida.com) TPI: [www.tpi.net.org](http://www.tpi.net.org) ATCA: [www.shcindustry.com](http://www.shcindustry.com) CCI: [www.ccsafe.org](http://www.ccsafe.org)

WILLIAM H. KRICK  
 LICENSE  
 No. 70861  
 03/11/2009 - 03/11/2012  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 10/25/2012

10/25/2012

FL/-/4/-/4/-/R/-		Scale = .375"/Ft.	
IC LL	20.0 PSF	REF	R487-- 34711
TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HCUSR487 12295009
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEON-	26944
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1U0M487 201

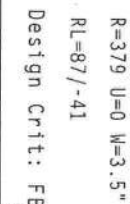
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC PL=5.0 psf. GC01(+/-)=0.18

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC PL=5.0 psf. GC01(+/-)=0.18

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

Right end vertical not exposed to wind pressure.



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

RECEIVED  
JUL 27 1966  
WILLIAM H. KRICK  
LICENSE  
JUL 27 1966  
JUL 27 1966

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

Scale = .5"/Ft.

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

Trusses, resulting gaps in fabricating, handling, shipping, installing and bracing, (a) the latest edition of BCSI (Building Component Safety) Information, by TPI and NRC) Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 3, 87 or 88, as applicable.

for toward  
★  
BCSI.  
chord  
of kids

STATE OF

TC DL	7.0 PSF
BC DL	10.0 PSF

DATE	10/25/12
DRW	HCUSR487 12299010

**Building Components Group Inc.**

Haines City, FL 33844  
FL COA #0278

general notes page: ITW-BCR: [www.itwbcg.com](http://www.itwbcg.com); TPI: [www.tpiinst.org](http://www.tpiinst.org); MTCA: [www.sbelindustry.com](http://www.sbelindustry.com);  
ICC: [www.iccsafe.org](http://www.iccsafe.org)

1000

10/25/2012

SPACING

24.0"

JREF - 1UQM487\_Z01

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

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

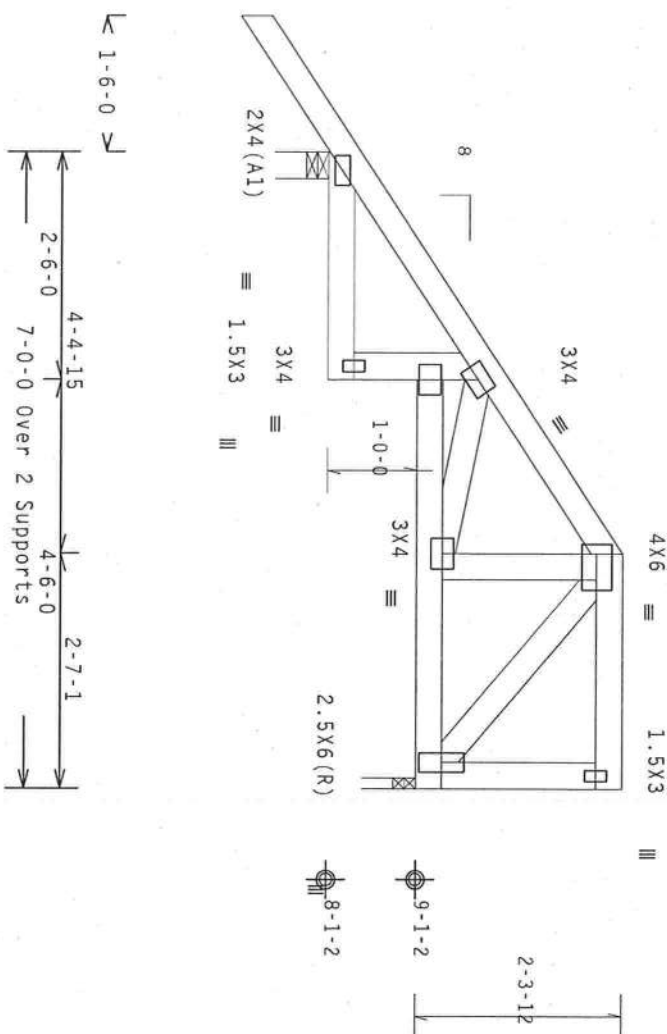
Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP 8, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load

 $R = 25 \text{ mm}$ 

RL=65/-35

R=379 U=10 W=3.5"

Design Crit: FBC2010Res/TP1-2007(ST

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

50:03:11.0209:20

工：人 0.5Y:1

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

Scale = .5"/Ft.

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

Trusses requiring extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of RCSC (Building Component Safety Information, by ITI and AWS) practices prior to performing these functions. Installers shall provide temporary bracing. Inspectors noted otherwise. Top chord shall have properly attached structural sheathing and bracing have a primary bracing attached rigid ceiling. Locations shown for permanent lateral resistance shall have bracing installed per RCSC sections 3.3, 87 or B10, as applicable.

~~ALPINE~~

Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278

The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see:  
general notes page: ITC-BD; [www.itwbdg.com](http://www.itwbdg.com); TPI: [www.tpiinst.org](http://www.tpiinst.org); ITCa: [www.itcaindustry.com](http://www.itcaindustry.com);  
ITC: [www.itcsafe.org](http://www.itcsafe.org)

R=25" (1/4" = 1/16" = 1/8" = 1/4" = 1/2" = 3/4" = 1" = 1 1/4" = 1 1/2" = 1 3/4" = 2" = 2 1/4" = 2 1/2" = 2 3/4" = 3" = 3 1/4" = 3 1/2" = 3 3/4" = 4" = 4 1/4" = 4 1/2" = 4 3/4" = 5" = 5 1/4" = 5 1/2" = 5 3/4" = 6" = 6 1/4" = 6 1/2" = 6 3/4" = 7" = 7 1/4" = 7 1/2" = 7 3/4" = 8" = 8 1/4" = 8 1/2" = 8 3/4" = 9" = 9 1/4" = 9 1/2" = 9 3/4" = 10" = 10 1/4" = 10 1/2" = 10 3/4" = 11" = 11 1/4" = 11 1/2" = 11 3/4" = 12" = 12 1/4" = 12 1/2" = 12 3/4" = 13" = 13 1/4" = 13 1/2" = 13 3/4" = 14" = 14 1/4" = 14 1/2" = 14 3/4" = 15" = 15 1/4" = 15 1/2" = 15 3/4" = 16" = 16 1/4" = 16 1/2" = 16 3/4" = 17" = 17 1/4" = 17 1/2" = 17 3/4" = 18" = 18 1/4" = 18 1/2" = 18 3/4" = 19" = 19 1/4" = 19 1/2" = 19 3/4" = 20" = 20 1/4" = 20 1/2" = 20 3/4" = 21" = 21 1/4" = 21 1/2" = 21 3/4" = 22" = 22 1/4" = 22 1/2" = 22 3/4" = 23" = 23 1/4" = 23 1/2" = 23 3/4" = 24" = 24 1/4" = 24 1/2" = 24 3/4" = 25" = 25 1/4" = 25 1/2" = 25 3/4" = 26" = 26 1/4" = 26 1/2" = 26 3/4" = 27" = 27 1/4" = 27 1/2" = 27 3/4" = 28" = 28 1/4" = 28 1/2" = 28 3/4" = 29" = 29 1/4" = 29 1/2" = 29 3/4" = 30" = 30 1/4" = 30 1/2" = 30 3/4" = 31" = 31 1/4" = 31 1/2" = 31 3/4" = 32" = 32 1/4" = 32 1/2" = 32 3/4" = 33" = 33 1/4" = 33 1/2" = 33 3/4" = 34" = 34 1/4" = 34 1/2" = 34 3/4" = 35" = 35 1/4" = 35 1/2" = 35 3/4" = 36" = 36 1/4" = 36 1/2" = 36 3/4" = 37" = 37 1/4" = 37 1/2" = 37 3/4" = 38" = 38 1/4" = 38 1/2" = 38 3/4" = 39" = 39 1/4" = 39 1/2" = 39 3/4" = 40" = 40 1/4" = 40 1/2" = 40 3/4" = 41" = 41 1/4" = 41 1/2" = 41 3/4" = 42" = 42 1/4" = 42 1/2" = 42 3/4" = 43" = 43 1/4" = 43 1/2" = 43 3/4" = 44" = 44 1/4" = 44 1/2" = 44 3/4" = 45" = 45 1/4" = 45 1/2" = 45 3/4" = 46" = 46 1/4" = 46 1/2" = 46 3/4" = 47" = 47 1/4" = 47 1/2" = 47 3/4" = 48" = 48 1/4" = 48 1/2" = 48 3/4" = 49" = 49 1/4" = 49 1/2" = 49 3/4" = 50" = 50 1/4" = 50 1/2" = 50 3/4" = 51" = 51 1/4" = 51 1/2" = 51 3/4" = 52" = 52 1/4" = 52 1/2" = 52 3/4" = 53" = 53 1/4" = 53 1/2" = 53 3/4" = 54" = 54 1/4" = 54 1/2" = 54 3/4" = 55" = 55 1/4" = 55 1/2" = 55 3/4" = 56" = 56 1/4" = 56 1/2" = 56 3/4" = 57" = 57 1/4" = 57 1/2" = 57 3/4" = 58" = 58 1/4" = 58 1/2" = 58 3/4" = 59" = 59 1/4" = 59 1/2" = 59 3/4" = 60" = 60 1/4" = 60 1/2" = 60 3/4" = 61" = 61 1/4" = 61 1/2" = 61 3/4" = 62" = 62 1/4" = 62 1/2" = 62 3/4" = 63" = 63 1/4" = 63 1/2" = 63 3/4" = 64" = 64 1/4" = 64 1/2" = 64 3/4" = 65" = 65 1/4" = 65 1/2" = 65 3/4" = 66" = 66 1/4" = 66 1/2" = 66 3/4" = 67" = 67 1/4" = 67 1/2" = 67 3/4" = 68" = 68 1/4" = 68 1/2" = 68 3/4" = 69" = 69 1/4" = 69 1/2" = 69 3/4" = 70" = 70 1/4" = 70 1/2" = 70 3/4" = 71" = 71 1/4" = 71 1/2" = 71 3/4" = 72" = 72 1/4" = 72 1/2" = 72 3/4" = 73" = 73 1/4" = 73 1/2" = 73 3/4" = 74" = 74 1/4" = 74 1/2" = 74 3/4" = 75" = 75 1/4" = 75 1/2" = 75 3/4" = 76" = 76 1/4" = 76 1/2" = 76 3/4" = 77" = 77 1/4" = 77 1/2" = 77 3/4" = 78" = 78 1/4" = 78 1/2" = 78 3/4" = 79" = 79 1/4" = 79 1/2" = 79 3/4" = 80" = 80 1/4" = 80 1/2" = 80 3/4" = 81" = 81 1/4" = 81 1/2" = 81 3/4" = 82" = 82 1/4" = 82 1/2" = 82 3/4" = 83" = 83 1/4" = 83 1/2" = 83 3/4" = 84" = 84 1/4" = 84 1/2" = 84 3/4" = 85" = 85 1/4" = 85 1/2" = 85 3/4" = 86" = 86 1/4" = 86 1/2" = 86 3/4" = 87" = 87 1/4" = 87 1/2" = 87 3/4" = 88" = 88 1/4" = 88 1/2" = 88 3/4" = 89" = 89 1/4" = 89 1/2" = 89 3/4" = 90" = 90 1/4" = 90 1/2" = 90 3/4" = 91" = 91 1/4" = 91 1/2" = 91 3/4" = 92" = 92 1/4" = 92 1/2" = 92 3/4" = 93" = 93 1/4" = 93 1/2" = 93 3/4" = 94" = 94 1/4" = 94 1/2" = 94 3/4" = 95" = 95 1/4" = 95 1/2" = 95 3/4" = 96" = 96 1/4" = 96 1/2" = 96 3/4" = 97" = 97 1/4" = 97 1/2" = 97 3/4" = 98" = 98 1/4" = 98 1/2" = 98 3/4" = 99" = 99 1/4" = 99 1/2" = 99 3/4" = 100" = 100 1/4" = 100 1/2" = 100 3/4" = 101" = 101 1/4" = 101 1/2" = 101 3/4" = 102" = 102 1/4" = 102 1/2" = 102 3/4" = 103" = 103 1/4" = 103 1/2" = 103 3/4" = 104" = 104 1/4" = 104 1/2" = 104 3/4" = 105" = 105 1/4" = 105 1/2" = 105 3/4" = 106" = 106 1/4" = 106 1/2" = 106 3/4" = 107" = 107 1/4" = 107 1/2" = 107 3/4" = 108" = 108 1/4" = 108 1/2" = 108 3/4" = 109" = 109 1/4" = 109 1/2" = 109 3/4" = 110" = 110 1/4" = 110 1/2" = 110 3/4" = 111" = 111 1/4" = 111 1/2" = 111 3/4" = 112" = 112 1/4" = 112 1/2" = 112 3/4" = 113" = 113 1/4" = 113 1/2" = 113 3/4" = 114" = 114 1/4" = 114 1/2" = 114 3/4" = 115" = 115 1/4" = 115 1/2" = 115 3/4" = 116" = 116 1/4" = 116 1/2" = 116 3/4" = 117" = 117 1/4" = 117 1/2" = 117 3/4" = 118" = 118 1/4" = 118 1/2" = 118 3/4" = 119" = 119 1/4" = 119 1/2" = 119 3/4" = 120" = 120 1/4" = 120 1/2" = 120 3/4" = 121" = 121 1/4" = 121 1/2" = 121 3/4" = 122" = 122 1/4" = 122 1/2" = 122 3/4" = 123" = 123 1/4" = 123 1/2" = 123 3/4" = 124" = 124 1/4" = 124 1/2" = 124 3/4" = 125" = 125 1/4" = 1

TC LL	20.0 PSF	REF	R487-- 34713
TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HCUSR487 1229011
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	26811
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UQM487_Z01

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

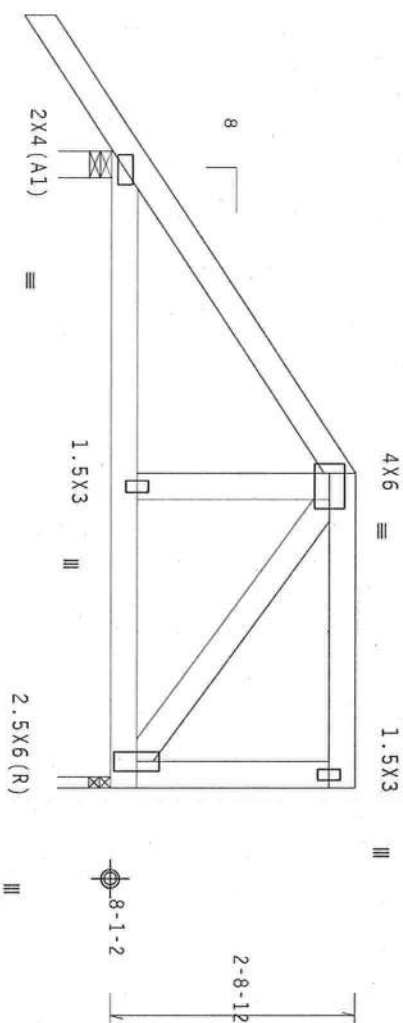
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

Right end vertical not exposed to wind pressure.

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


$$\sqrt{1-6-0} \quad Y$$

3-6-7

5-5-5

7-0-0 Over 2 Supports

R=379 U=15 W=3.5"

RL=55/-32

Design Crit: FBC2010Res/TPI-2007(STD

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

10.03.11.0209/20

DATE

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

Scale = .5" / Ft.

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

Trusses requiring attention came in fabrication, handling, shipping, installation and bracing. Following the latest edition of BCSP (Building Component Safety Information), by TPI and WFA, the following practices noted for performing these functions. Insulators shall provide temporary bracing per BCSP. Unbraced members, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have bracing installed per BCSP sections 83, or 810, as applicable.

☐ ~~ALPINE~~

Shipping Components Group Inc

Haines City, FL 33844  
FL COA #0278

the responsibility of the Building Designer per ASH/TPJ 1 Sec. 2. For more information see: This job's general notes page; ITW-BDG: [www.itwbdg.com](http://www.itwbdg.com); TPJ: [www.tpjast.org](http://www.tpjast.org); MTC: [www.sbcindustry.com](http://www.sbcindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

10/25/2012

SPACING 24.0"

JREF - 1UQM487\_Z01



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

Stacked top chord must NOT be notched or cut in area (NML). Attach stacked top chord (5c) 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

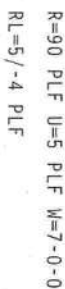
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf.  $GCP1(+/-)=0.18$

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

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

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

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



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-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 reference care in fabrication, handling, shipping, installing and bracing. For the latest edition of BCSI (Building Commission Safety Information), by TPI and WCA, contact the Building Commission. Installers shall provide temporary bracing per BCSI practices prior to performing these functions. Installers shall have properly attached structural shoring and bracing. If a truss is not braced, the truss shall be braced by the contractor. Trusses shall have a properly attached rigid ceiling. Trusses shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 84 or 810, as applicable.

15

Wilding Components Group Inc.

Haines City, FL 33844  
FL COA #0278

the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BDC: [www.itwbi.com](http://www.itwbi.com); TPI: [www.tpiinst.org](http://www.tpiinst.org); HfCA: [www.abciindustry.com](http://www.abciindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

10/25/2012

FL/-/4/-/-R/-		Scale =.5"/ft.
IC LL	20.0 PSF	REF R487-- 34715
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCURS487 12295013
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEON- 26813
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U0M487_201

Scale = .5"/Ft.

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

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

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

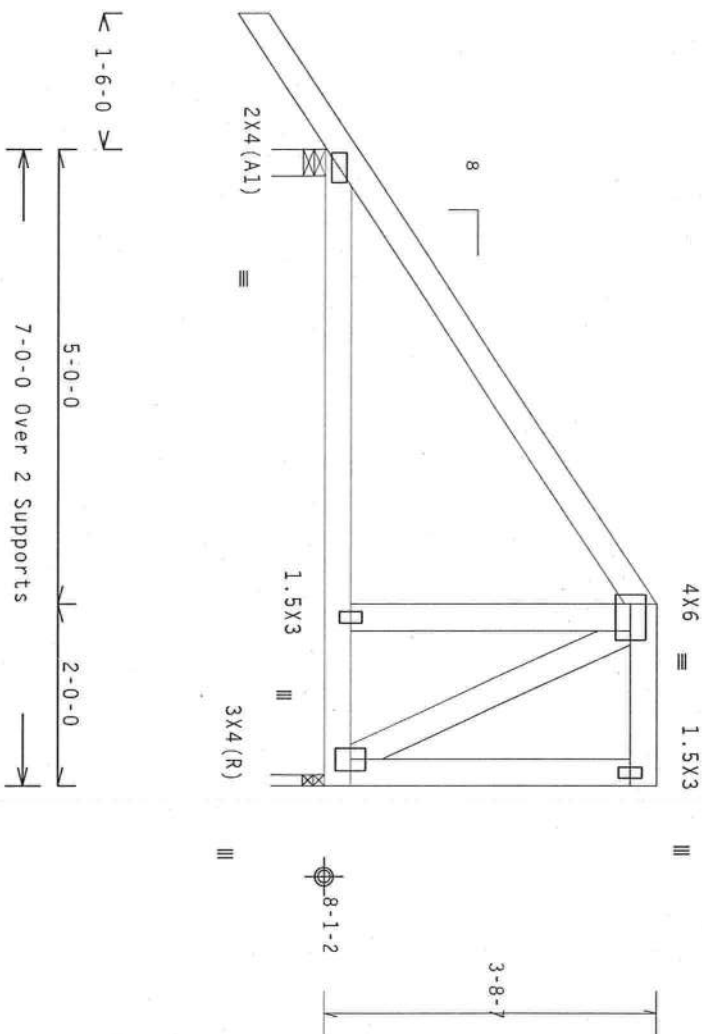
Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.

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

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

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave

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

WILSON  
00:03.41.0209.20

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

Scale = .5" / Ft.

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

Trusses requiring care in fabrication, handling, shipping, installing and bracing, shall be identified on the drawings by the use of the following symbols. The designer shall follow the latest edition of AISC (guidelines for component safety information, by PL and WFL) practices prior to performing these functions. Insulators shall provide temporary bracing in all cases unless noted otherwise. For chord shafts, all properly attached structural sheathing and bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing indicated per AISC sections J1, J2 or B10, as applicable.

ALPINE

**Wilking Components Group Inc**

Haines City, FL 33844  
FL COA #0278

The responsibility of the building designer per AIA/CES 1.0 Sec. 2. For more information see: This job  
general notes page: ITH-Bldg: [www.1tbdy.com](http://www.1tbdy.com); TFI: [www.tfinst.org](http://www.tfinst.org); WICA: [www.sciindustry.com](http://www.sciindustry.com);  
ICG: [www.icsafe.org](http://www.icsafe.org)

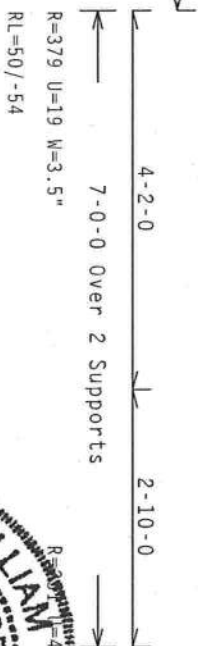
10/25/2012

TC LL	20.0 PSF	REF	R487-- 34716
TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HCUSR487 12295014
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEON-	26814
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1U0M487.Z01

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

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

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



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

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

Scale = .5"/Ft.

Building Components Group Inc.

[illegible]

IC DL	20.0 PSF	REF	R487-- 34717
TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HCUSR487 1229015
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEGN-	26815
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UQM487_Z01

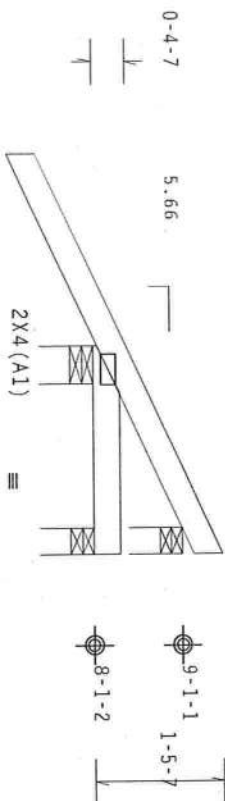
IC LL	20.0 PSF	REF R487 - - 34717
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUR487 1229015
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEON - 26815
DUR.FAC.	1.25	
SPACING	24.0"	UREF - 1UOM487_201

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

 $DL=5.0 \text{ psf. } GCPI(+/-)=0.18$ 

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.



$\leftarrow 2-1-7$ 
 $\leftarrow 2-0-1$ 
 $\leftarrow 01318$   
 $\leftarrow 2-3-9$  Over 3 Supports

R=137 U=R5-M04U98 "W=3.5"

R=-.9 RW=5 U=0 W=3.5"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-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.

Trouble-free care can be fabricated, handling, shipping, installing and bracing. The latest edition of RCSI (Building Component Safety Information, by TPI and WJFA) provides the user with the information needed to perform these functions. Insulators shall provide temporary bracing per RCSI-1 unless noted otherwise. Top chord shall have properly attached structural sheathing and bolted chord shall have properly attached r/gt ceiling. Locations shown for permanent lateral restraint shall have a properly attached per RCSI sections 83, 84 or 810, as applicable.

NE

Building Components Group Inc

Haines City, FL 33844  
FL COA #0278

grading or cover testing. This drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ASCE/PE 1 Sec. 2. For more information see: This job's general notes page, 114-001; [www.114info.com](http://www.114info.com); T1: [www.114info.org](http://www.114info.org); [www.114info.com](http://www.114info.com); [www.114info.org](http://www.114info.org)



FL/4/-/-/R/-		Scale =.5"/ft.
TC LL	20.0 PSF	REF R487-- 34718
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCURS487 12295016
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEON- 27189
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UOM487_Z01

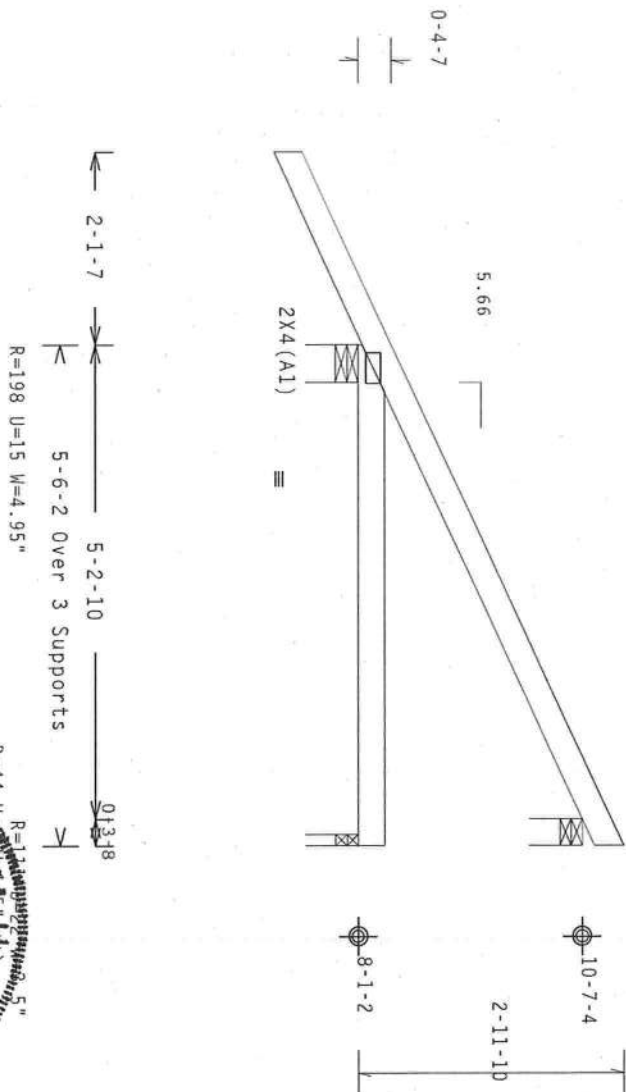


Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Hipjack supports 3-10-12 setback jacks with no webs.

++ Anchorage req'd to prevent truss from slipping off bearing.

120 mph wind, 15.00 ft mean hgt ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=9.0 psf. Gcpl(+/-)=0.18



PLT TYP. Wave

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

NO: 03.11.0209:20

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

Scale = .5" / Ft.

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

Tenants requiring extreme care in fabricating, handling, shipping, installing and bracing, erecting or dismantling steel members shall be required to obtain and follow the latest edition of BCSI (Building Component Safety Information) by PCI and AISC. The design engineer shall provide specific instructions regarding erection practices prior to performing these functions. Installations shall provide temporary bracing and shoring until permanent bracing can be installed. Permanent bracing shall be designed and installed in accordance with applicable codes unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral resistance shall have bracing installed per BCSI sections B3, B9 or B10, as applicable.

ALPINE

Building Components Group Inc

Haines City, FL 33844  
FL COA #0278

THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. FOR MORE INFORMATION SEE: general notes page; TPI-BCG: [www.tbcdg.org](http://www.tbcdg.org); TPI: [www.tpinet.org](http://www.tpinet.org); MICA: [www.sbcindustry.com](http://www.sbcindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

Professional Engineer Seal for William H. Krick, State of Florida, License No. 70861, dated 04/03/11 to 02/09/20.

TC LL	20.0 PSF	REF	R487-- 34719
TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HCU8487 12292017
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	27192
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	IUQM487_201

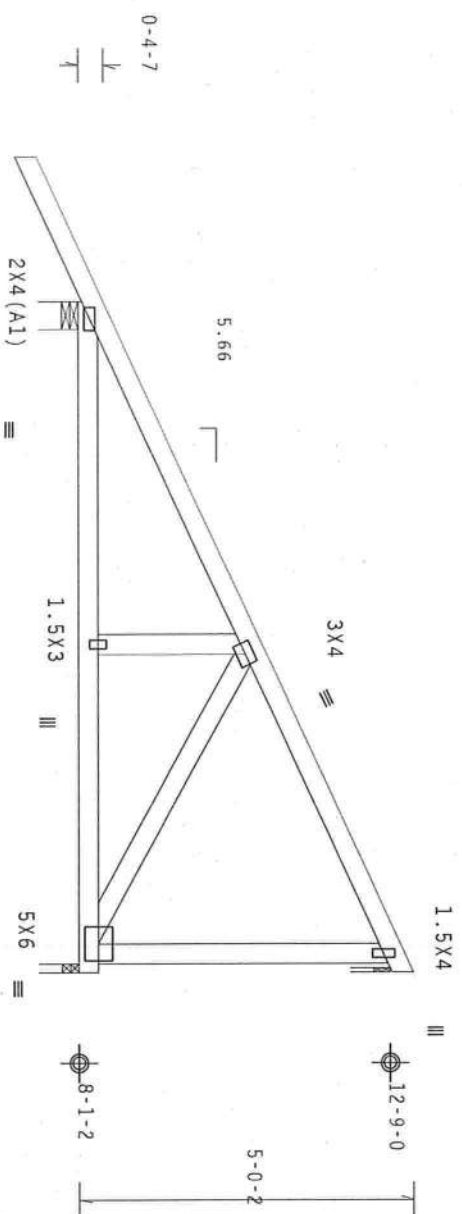
Hipjack supports 6-11-8 setback jacks with no webs.

++ Anchorage req'd to prevent truss from slipping off bearing.

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

Wind loads and reactions based on 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.



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

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

10.03.14.0209\2014.PTY.2

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

Scale = .375"/Ft.

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

Tosses' result came first in fabricating, handling, shipping, installing and bracing. The second edition of BCSI Building Component Safety Information, by TPI and WCA, follows the same format as the first. It provides information on design, installation practices noted to performing those functions. Insulators shall provide temporary bracing per BCSI-10.0.1.1. Top chord shall have properly attached structural sheathing and bolting per BCSI-10.0.1.2. Bottom chord shall have properly attached rafter ceiling. Locations shown for applicable lateral restraint shall have bracing installed per BCSI sections B3, E6 or R10, as applicable.

☐ ALPINE

**Building Components Group Inc**

Haines City, FL 33844  
FL COA #0278

the responsibility of the building designer per ANSI/TPI 1 sec. 2. For more information see: [www.tpiinst.org](http://www.tpiinst.org); [www.sbcindustry.com](http://www.sbcindustry.com); general notes page: [www.tlubby.com](http://www.tlubby.com); TPI: [www.tpiinst.org](http://www.tpiinst.org); [www.lccsafe.org](http://www.lccsafe.org)

10/25/2012

SPACING 24.0"

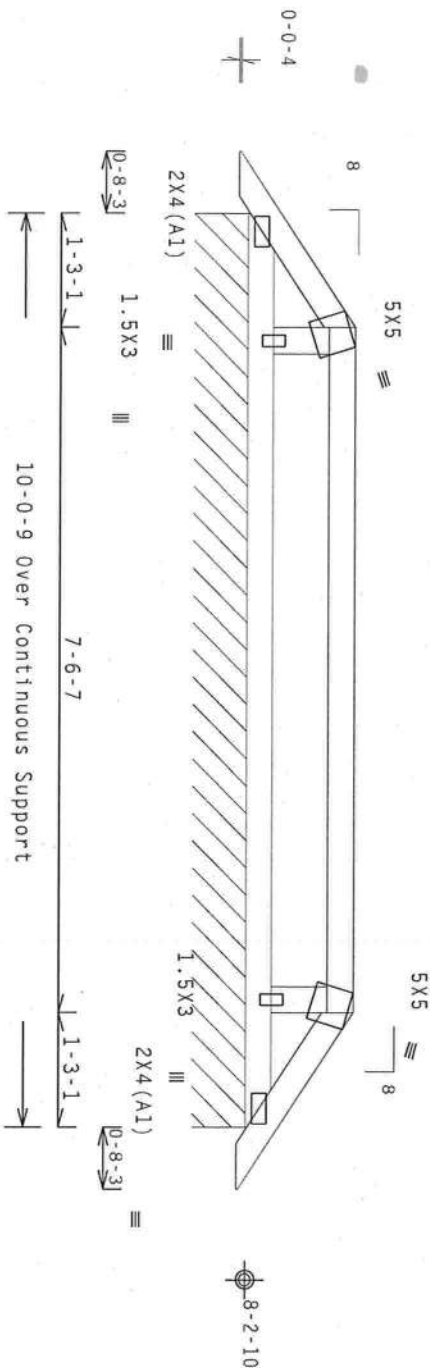
JREF - 1UQM487\_Z01

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP 8, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

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

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



R=82 PLF U=4 PLF W=10-0-9

 $RL=2/-2 \text{ PLF}$ 

Design Crit: FBC2010Res/TPI-2007(Std

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

50:03:11.0209:20

KEY:1 FL/-/4/-/-/R/-

Scale = .5"/Ft.

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

Users require extensive care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of AISC's *Guiding Composite Safety Information*, by TPI and AISC, for the best practices noted to performing these functions. Installers shall provide temporary bracing for all steel members not otherwise, to the extent shall have properly attached structural sheathing and to an extent shall have bracing attached per AISC sections B3, or B10, as applicable.

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Haines City, FL 33844  
FL COA #0278

the responsibility of the building designer per ANSI/1P1 1 Sec. 2. For more information see the general notes page: ITM-BCG: [www.itm-bcg.com](http://www.itm-bcg.com); ITI: [www.tpinst.org](http://www.tpinst.org); ITCA: [www.sbsindustry.com](http://www.sbsindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

10/25/2012

SPACING 24.0"

JREF- 1UQM487\_Z01

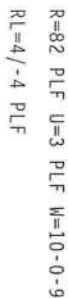
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf.  $g_{cpi}(+/-)=0.18$

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

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.


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

10.03.14.0209/20 PTY

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

Scale = .5"/Ft.

No. 10801

FC LL	20.0
-------	------

REF R487-- 34722

STATE OF  
ER

DATE	10/25/12
DRW	HCUSR487 12299020

HC-ENG WHK/WHK

JREF - 1UQM487\_Z01





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

[illegible]

anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC

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

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

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



RL=4/-4 PLF

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

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

FL/-/4/-/1/-/R/-/

Scale = 375"/Ft.

**E**

Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278

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

[illegible]

1114 Building Components Group Inc. (1114BCG) shall not be responsible for any deviation from the design of the building system, including but not limited to, the design of the building system, or failure to build the system in conformance with ASH1/PIPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 1100-2 for standard gable positions. A seal shall be applied to the end of the truss. The availability and use of this design for any structure is the responsibility of the building designer. For more information see: This job's general notes page; 1114-BCG: [www.1114bcg.com](http://www.1114bcg.com); TTI: [www.tti.net](http://www.tti.net); DTAC: [www.dtacindustry.com](http://www.dtacindustry.com); [www.1114bcg.org](http://www.1114bcg.org)

10/25/2012

TC LL	20.0 PSF	REF R487 - - 34724
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUR487 12299022
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 26952
DUR.FAC.	1.25	
SPACING	24.0"	JREF - IUQM487_Z01

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

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

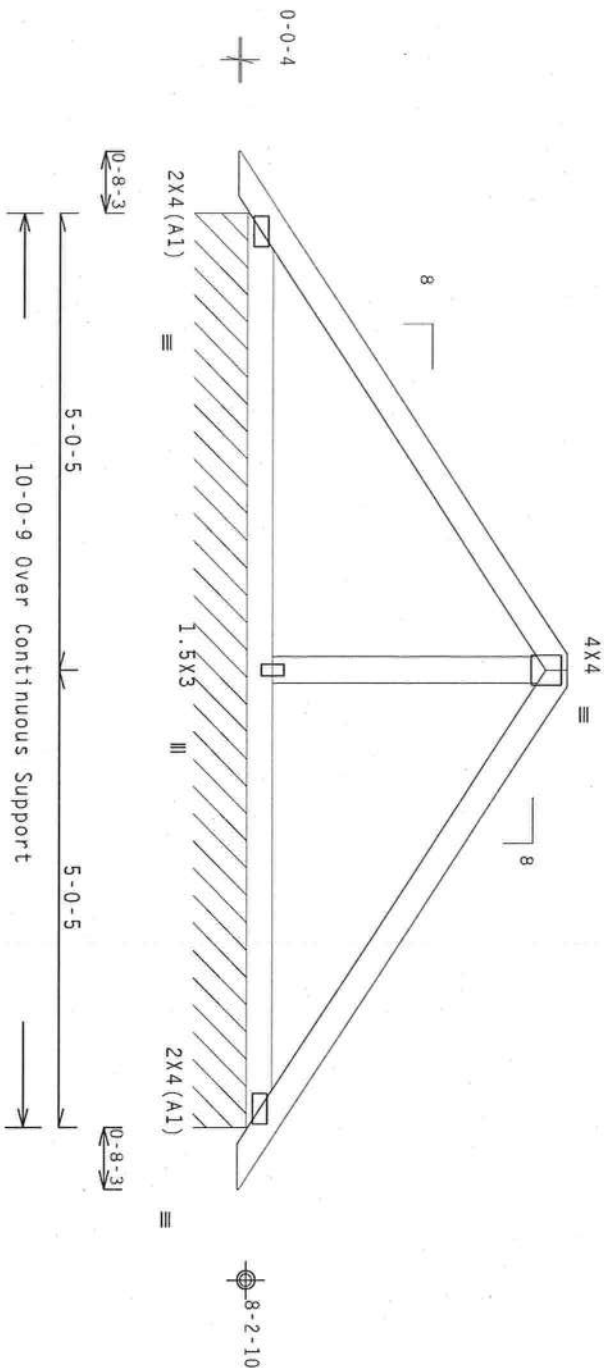
See DWGS A12015ENC100212, GBLLETIND0212, & GABRST100212 for more requirements.

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

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

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

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



R=82 PLF U=3 PLF W=10-0-9  
RL=6/-6 PLF

PLT TYP. Wave

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

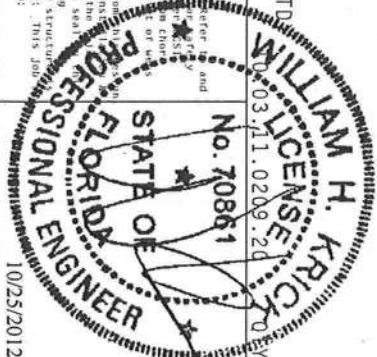
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information, by TPI and MICA, for details and practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing. Bottom chord shall have bracing installed per BCSI sections B1, B7 or B10, as applicable.

Truss building components, group inc. (TBCI) shall not be responsible for any deviation from the design or any failure of the building components. The user of this design shall be responsible for the design and bracing of trusses. Any plates to each face of truss and position as shown approved on the details, unless noted otherwise. Refer to drawings 1000-2 for standard plate positions. A seal drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the building designer per ASCE/TPI 1 Sec.2. For more information see: This job site: www.tbcigroup.com; TPI: www.tpiinc.org; BCSI: www.bcsiindustry.com; ITC: www.itcusa.org

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Haines City, FL 33844  
FL COA #0278



FL/-/4/-/-/R/-	Scale = .5"/Ft.
TC LL 20.0 PSF	REF R487-- 34725
TC DL 7.0 PSF	DATE 10/25/12
BC DL 10.0 PSF	DRW HCUSR487 1229023
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT.LD. 37.0 PSF	SEON- 26823
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1U0M487_Z01

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

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

See DWGS A12015ENC100212, GBLLET100212, & GABRST100212 for more requirements.

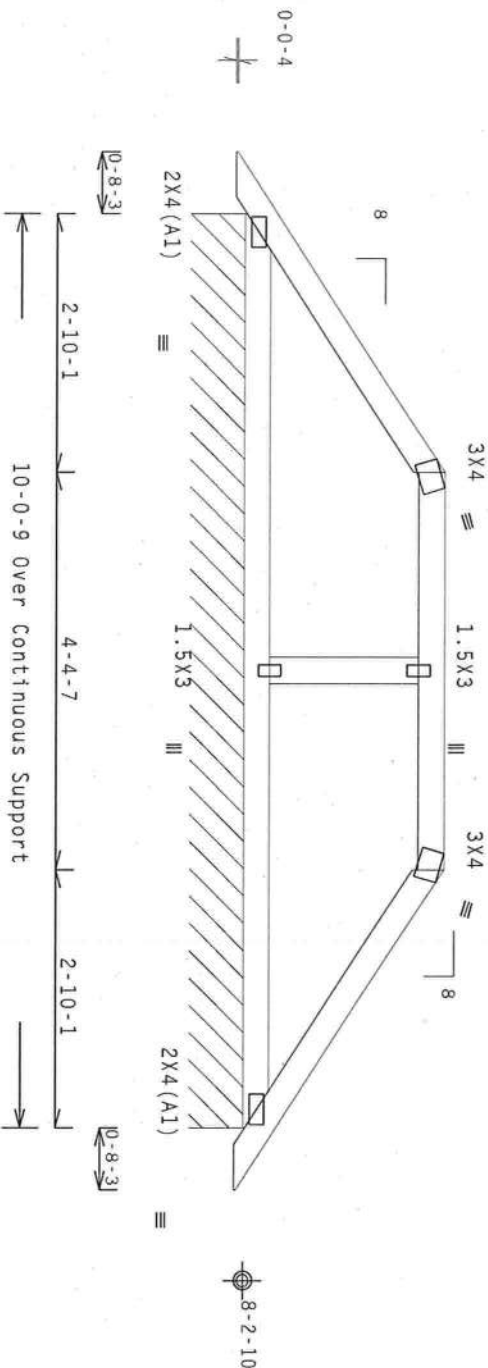
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

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.



R=82 PLF U=3 PLF W=10-0-9  
RL=4/-4 PLF

PLT TYP. Wave

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

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

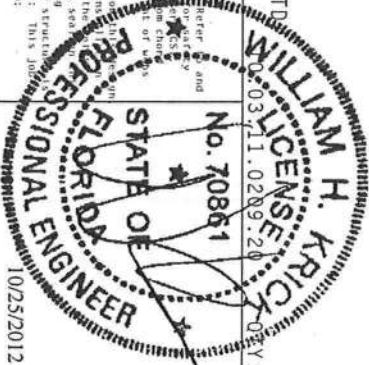
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information, by TPI and WCA, or other practices prior to performing these functions. Installers shall provide temporary bracing for all trusses noted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

The Building Components Group Inc. (BCSI) shall not be responsible for any deviation from the design and/or failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or bracing the truss. The user of this design shall refer to drawings 1004-2 for standard plate details and on the details of cover page listing this design. The suitability and use of this design for any structural application is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: general notes page: TPI-0001, www.tpi-inc.com; TPI: www.tpi-inc.org; WCA: www.specindustry.com; BCSI: www.bcsi.org

ALPINE

Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278



TC LL	20.0 PSF	REF R487-- 34726
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUSR487 1229024
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEON- 27120
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UQM487_201

(++) - This plate works for both joints covered.

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

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

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



Design Crit: FBC2010Res/TPI-2007 (STD

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

MD:03.11.0209:20

FL/-/4/-/1/-/R/-/

Scale = .5" / Ft.

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

[illegible]

10/25/2012

TC LL	20.0 PSF	REF R487-- 34727
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUR487 12295025
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON- 26824
DUR. FAC.	1.25	
SPACING	24.0"	JREF- IUQM487_Z01

JREF- 1UQM487\_Z01



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

Roof overhang supports 2.00 psf soffit load.

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

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

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.

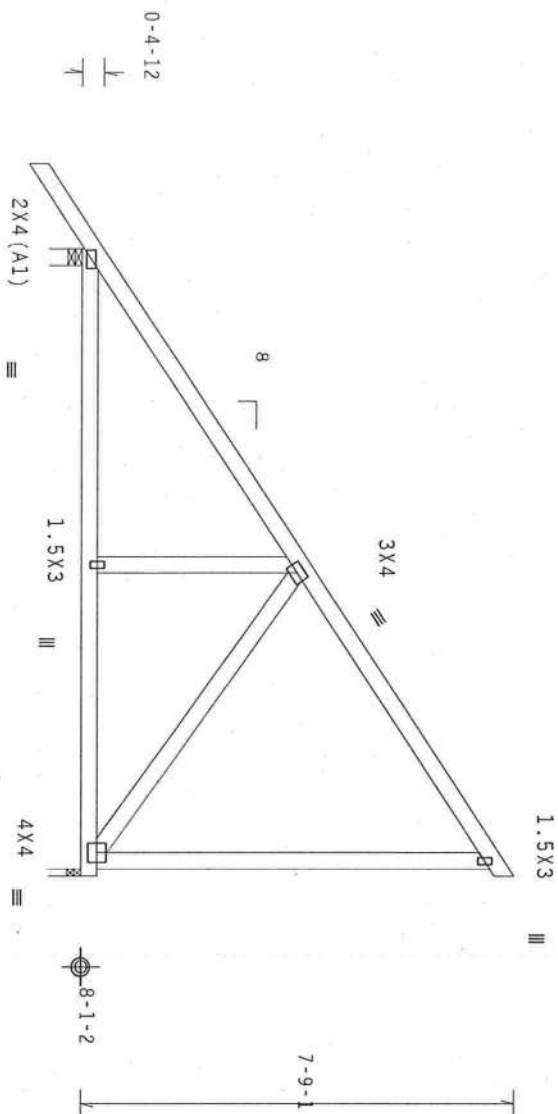


Diagram of a beam with a single support and a point load. The beam is represented by a horizontal line. A vertical line with a horizontal tick at the bottom indicates a support. A vertical arrow pointing downwards from the beam represents a point load, labeled "11-0-8 Over 2 Supports". A horizontal double-headed arrow above the beam indicates a length of "1-6-0".

R=530 U=0 W=3.5"  
RL=138/-57

PLT TYP. Wave

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

1003.11.0209.20

3:00 PM

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

Scale = .3125" / Ft.

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

Trusses requiring care in fabrication, handling, shipping, installing and bracing, or for the use of special equipment, shall be identified by the manufacturer. The manufacturer shall follow the latest edition of BCSI Building Component Safety Information, by TPI and UICa, for the proper use of the product. The manufacturer shall provide temporary bracing practices prior to performing these functions. Installers shall provide temporary bracing for the trusses until the roof is completed. The manufacturer shall provide a list of all truss members that shall have a properly attached rafter ceiling. The manufacturer shall provide a list of all truss members that shall have a properly attached structural sheathing and bolted connections. The manufacturer shall provide a list of all truss members that shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ME

Building Components Group Inc

Haines City, FL 33844  
FL COA #0 278

The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITH-BDC: [www.ithbdc.com](http://www.ithbdc.com); TPI: [www.tpiinst.org](http://www.tpiinst.org); MICA: [www.shcindustry.com](http://www.shcindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

10/25/2012

SPACING	24.0"
---------	-------

JREF - 1UQM487\_Z01

Webs 2x4 SP\_#3\_12A

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

1/5/2012 by ALSC.

Refer to drawing UNNALSPL05 for more information.

00.

Factor for dead load is 1.50.

Top chord: 1 Row @11.50" o.c.

1 ROW @ 4" O.C.

Use equal spacing between rows

in each row to avoid splitting.

 $DL=5.0 \text{ psf. } GCPi (+/-)=0.18$ 

design.

Jacks have no weds.



Design Crit: FBC2010Res/TPI-2007 (STD

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

No. 70861

SAIA

IC: [www.iccsafe.org](http://www.iccsafe.org)

SPACING 24.0"

JREF- 1UQM487\_Z01

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

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

(a) Continuous lateral bracing equally spaced on member.

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

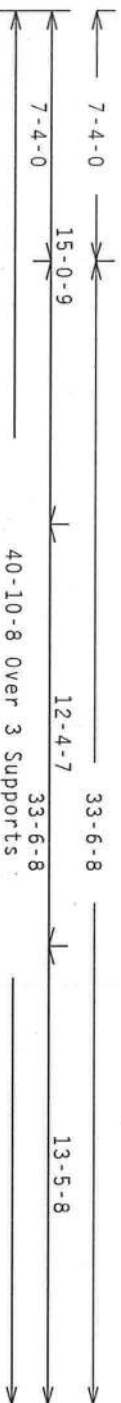
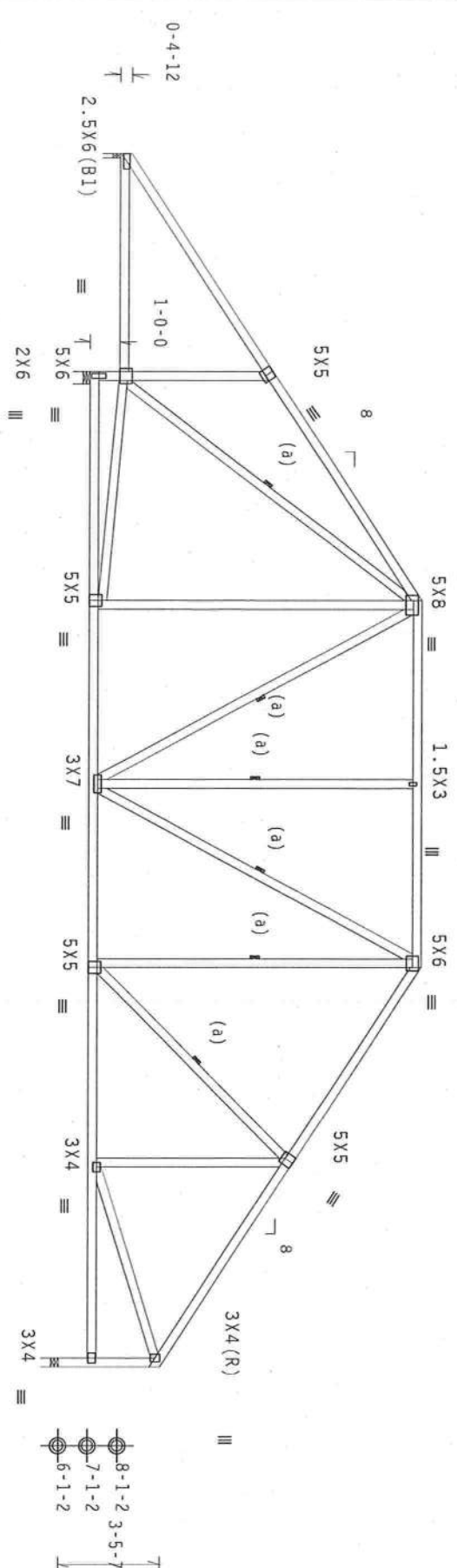
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCP(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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

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



R=427 U=0 W=1.5"  
R=1394 U=75 W=4.95"  
R=1319 U=37 W=3.5"

PLT TYP. Wave

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

03.11.0209.20

10/25/12

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

Scale = .1875"/ft.

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

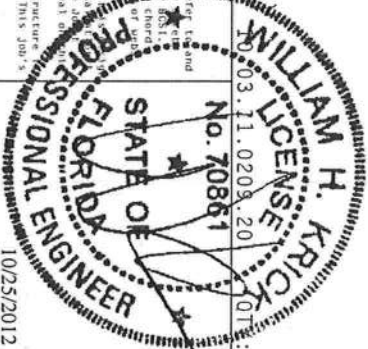
Trusses require extreme care in fabrication, handling, shipping, installation and bracing. The truss manufacturer shall be responsible for providing the truss with the latest edition of BCSI (Building Component Safety) Information, by TPI and WISA, and shall be responsible for ensuring that the truss is properly braced and supported. The truss manufacturer shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (BCSI) shall not be responsible for any deviation from any failure to build the truss in accordance with ANSI/TPI 1, or for handling, installation, bracing or other factors. The truss manufacturer shall be responsible for ensuring that the truss is properly braced and supported. The truss manufacturer shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

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Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278



TC LL	20.0 PSF	REF R487-- 34730
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUS487 1229028
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 26962
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U0M487_Z01

(12-309--Glenwood King Lacy Crews Residence -- Columbia County, FL - (11))  
 Top chord 2x4 SP #1\_12A  
 Bot chord 2x4 SP #1\_12A  
 Webs 2x4 SP #3\_12A

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

(a) Continuous lateral bracing equally spaced on member.

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

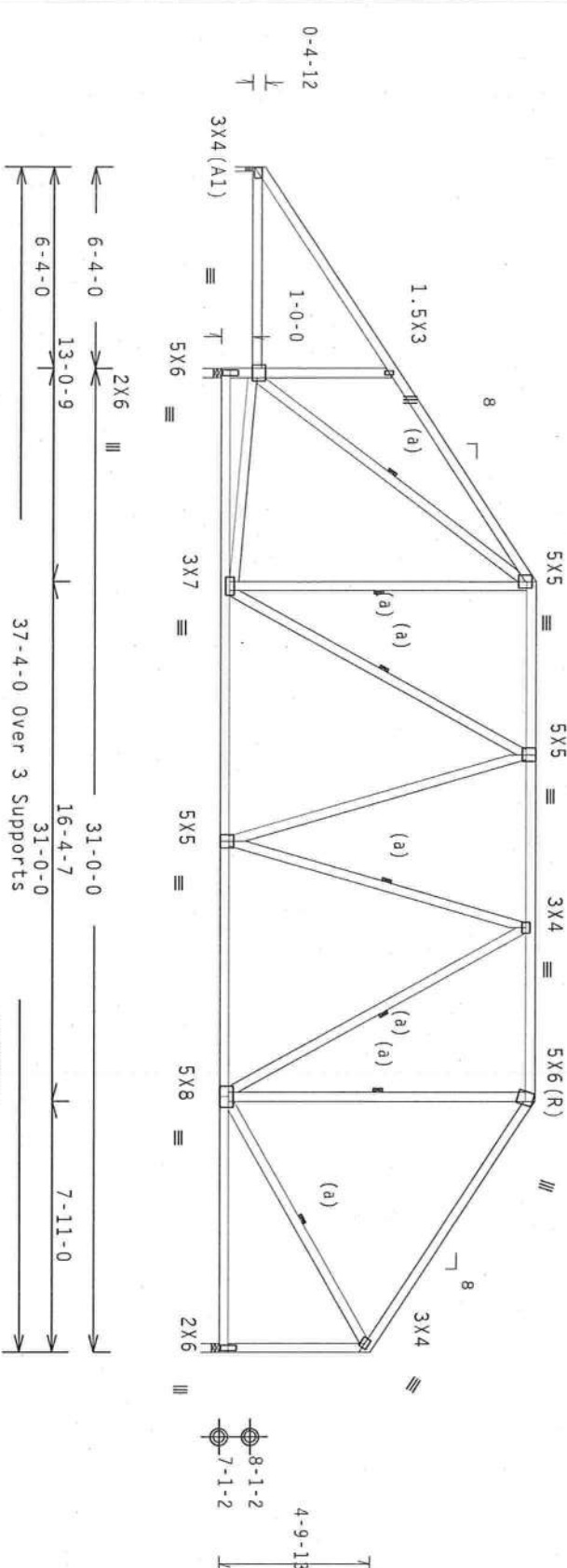
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, Exp B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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

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



R=383 U=0 W=1.5"  
 R=1273 U=80 W=3.5"  
 R=125/-107

R=1213 U=38 W=3.5"

PLT TYP. Wave

Design Cmt: FBC2010Res/TPI-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.

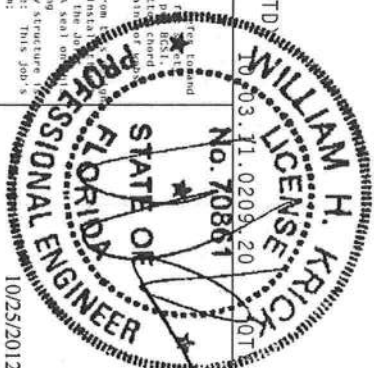
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI Building Component Safety Information, by TPI and WICA, for best practices prior to performing these functions. Installers shall provide temporary bracing in all areas unless noted otherwise. Top chord shall have properly attached structural sheathing and built-up 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.

The Building Components Group Inc. (BCCI) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing. The truss is designed and loaded on the basis of the information provided in the drawing details, unless noted otherwise. Refer to drawing 1600-2 for standard plate position and details. Drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec. 2. For more information see: the general notes page: TPI-BCSI: www.tpi-bcsi.com; TPI: www.tpiinc.org; WICA: www.shcindustry.com; BCSI: www.bcsiinc.org

ALPINE

Building Components Group Inc.

Haines City, FL 33844  
 FL COA #0278



IC LL	20.0 PSF	REF R487-- 34731
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUR487 1229029
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON- 26971
DUR. FAC.	1.25	
SPACING	24.0"	REF- 1U0M487_201

Scale = .1875"/ft.





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

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

Girder supports 8-0-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.

Girder supports 8-0-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.



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

1003.11.0209 20 OCT 1

Scale = .25"/Ft.

No. 40807

REF R487-- 34733

DATE 10/25/12

HC-ENG WHK/WHK

SEQN - 27166

Source: *U.S. Census Bureau, Current Population Reports, 1990*

JREF - 1UQM487\_Z01

(12-309--Glenwood King Lacy Crews Residence -- Columbia County, FL - t14)  
 Top chord 2x4 SP\_#1\_12A  
 Bot chord 2x4 SP\_#1\_12A  
 Webs 2x4 SP\_#3\_12A

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

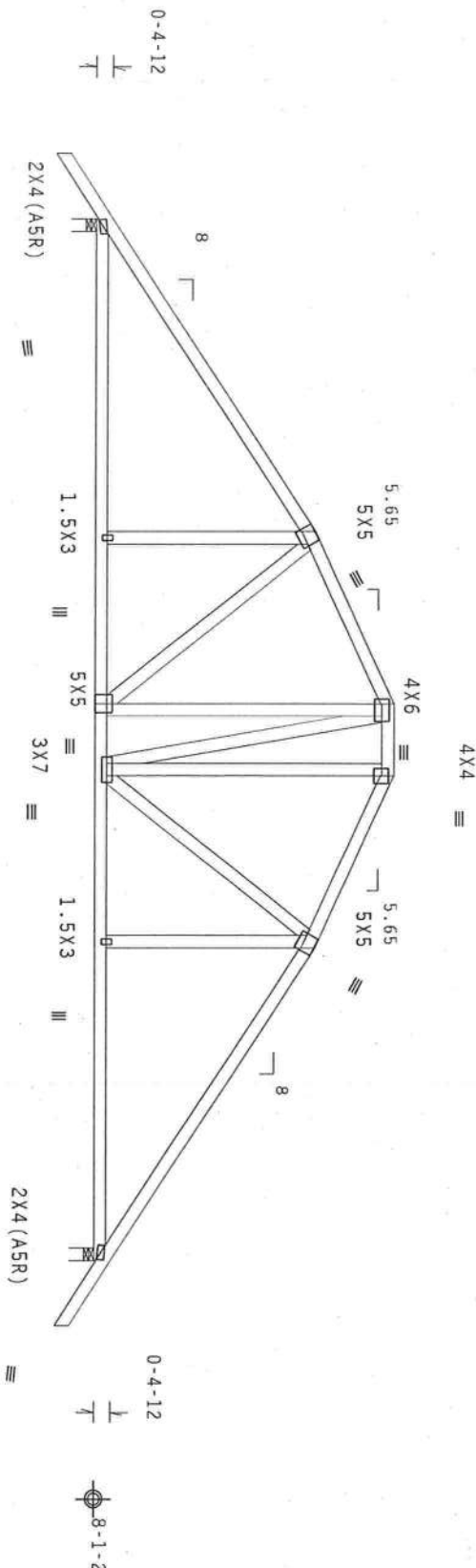
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

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

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



7-2-6 3-11-10 1-8-0 3-11-10 7-2-6  
 24-0-0 Over 2 Supports  
 R=1008 U=38 W=3.5"  
 RL=134/-134

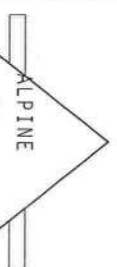
PLT TYP. Wave

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

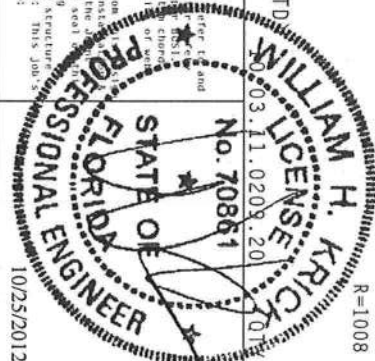
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET.  
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

\*\*IMPORTANT\*\* Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of RCSI (Building Component Safety) Information, by TPI and WISA practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bolts shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or shall have bracing installed per RCSI sections B5, B7 or B10, as applicable.

The Building Components Group Inc. (TROSS) shall not be responsible for any deviation from and/or failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing, or any other actions taken by the contractor. The contractor shall be responsible for the details, unless noted otherwise. Refer to drawings 1000-2 for standard plate positions. A seal, grading or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec. 2. For more information see: the general notes page: 118-866; www.tross.com; TPI: www.tpiinst.org; WISA: www.wisaindustry.com; RCSI: www.rcsi.org



Haines City, FL 33844  
 FL COA #0278



FL/-/4/-/-/R/-	Scale = .25" / Ft.
TC LL 20.0 PSF	REF R487-- 34734
TC DL 7.0 PSF	DATE 10/25/12
BC DL 10.0 PSF	DRW HCUSR487 1229032
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT.LD. 37.0 PSF	SEON- 26831
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1U0M487_Z01

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

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

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

Bottom chord checked for 10.00 psf non-concurrent live load



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

1003.11.0209.20  
No. 70861

The seal of the State of Florida is visible in the background of the document. It features a circular design with the words "STATE OF FLORIDA" around the perimeter and a central emblem depicting a palm tree and a sun.

These requirements are in fabricating, handling, shipping, installing and bracing. For the latest edition of BCSI Building Component Safety Information, by TPI and AISC, see the practices section for performing these functions. Installers shall provide temporary bracing for BCSI-units, noted otherwise. Top chord shall have properly attached structural sheathing and bolted chord members shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (BIBCG) shall not be responsible for any deviation from the bracing of trusses only as shown, conforming with AISI/TPI-1, or for handling, shipping, installing, bracing or covering plate listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per AISI/TPI-1 Sec.2. For more information see: This Job's general note page; [tjtrc.org](http://tjtrc.org); [www.tlrbuy.com](http://www.tlrbuy.com); [tjtrc.com](http://tjtrc.com); [tjtrc.net](http://tjtrc.net); [www.aiscindustry.com](http://www.aiscindustry.com); [www.tlrcalc.org](http://www.tlrcalc.org)

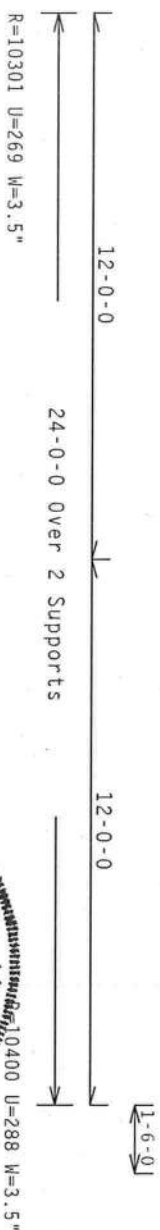
FL/-/4/-/-R/-		Scale =.25"/Ft.
IC LL	20.0 PSF	REF R487-- 347355
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUR487 1229503
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEON- 26832
DUR.FAC.	1.25	
SPACING	24.0"	JREF- IUOM487_201

## 2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" min. nails  
 Top Chord: 1 Row @ 12.00" o.c.  
 Bot Chord: 1 Row @ 4.00" o.c.  
 Webs: 1 Row @ 4" o.c.  
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

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



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

10:03:11.0209:20

Scale = .25"/Ft.

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

Trusses require a stiffener case in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of NCSI (Building Component, Safety Information, by TPI and WCA) for best practices prior to performing these functions. Insulators shall provide temporary bracing unless noted otherwise. The third shall have property attached structural sheathing and bottom chord shall have property attached rigid ceiling. Locations shown for permanent lateral restraint of the third shall have bracing installed per NCSI sections B3, B5 or B10, as applicable.

15

Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278

general notes page: 174-866; [www.174.org.com](http://www.174.org.com); TPL: [www.tplast.org](http://www.tplast.org); MTCA: [www.sbcindustry.com](http://www.sbcindustry.com)  
ICC: [www.icsafe.org](http://www.icsafe.org)

TC LL	20.0 PSF	REF	R487 - 34736
TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HCUSR487 12295034
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEON -	27171
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1UOM487_Z01

JREF - 1UQM487\_Z01

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

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

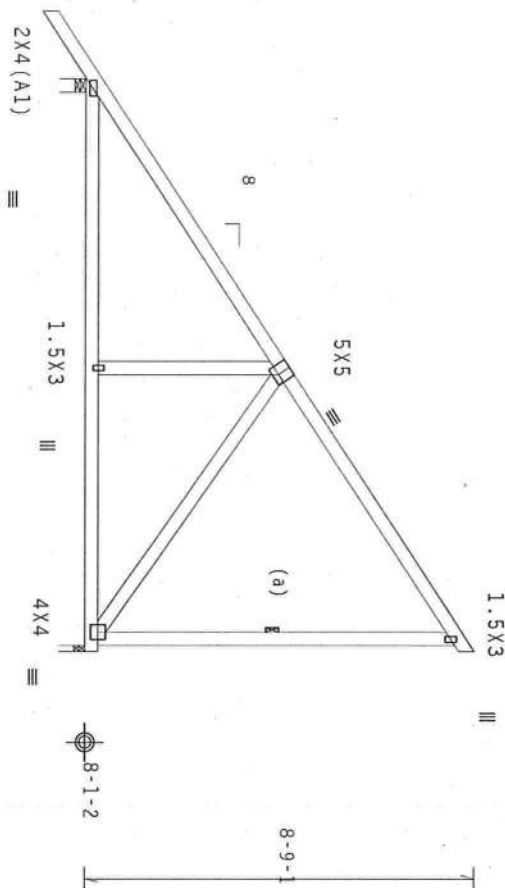
(a) Continuous lateral bracing equally spaced on member.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCP(+/-)=0.18  
Wind loads and reactions based on MWFRS 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.



12-7-0 Over 2 Supports  
R=588 U=0 W=3.5"  
RL=155/-62

R=471 U=58 W=1.5

PLT TYP. Wave

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

0.03, 11.0209, 20

10/25/2012

Scale = .25" / Ft.

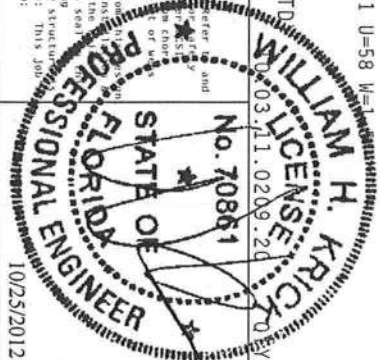
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET  
FURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS.

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

The Building Components Group, Inc. (BICG) shall not be responsible for any deviation from the design shown in this drawing. The suitability and use of this design for any structure is the responsibility of the building designer per ASCE 7-10, Sec. 2.2. For more information see: This job is the property of the BICG. www.bicg.com; TPI: www.tpi-inc.org; ALSC: www.aluminum.org; ICC: www.iccactive.org

ALPINE

Haines City, FL 33844  
FL COA #0278



TC LL	20.0 PSF	REF R487 - - 34737
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUSR487 12295035
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON - 26834
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1U0M487_201



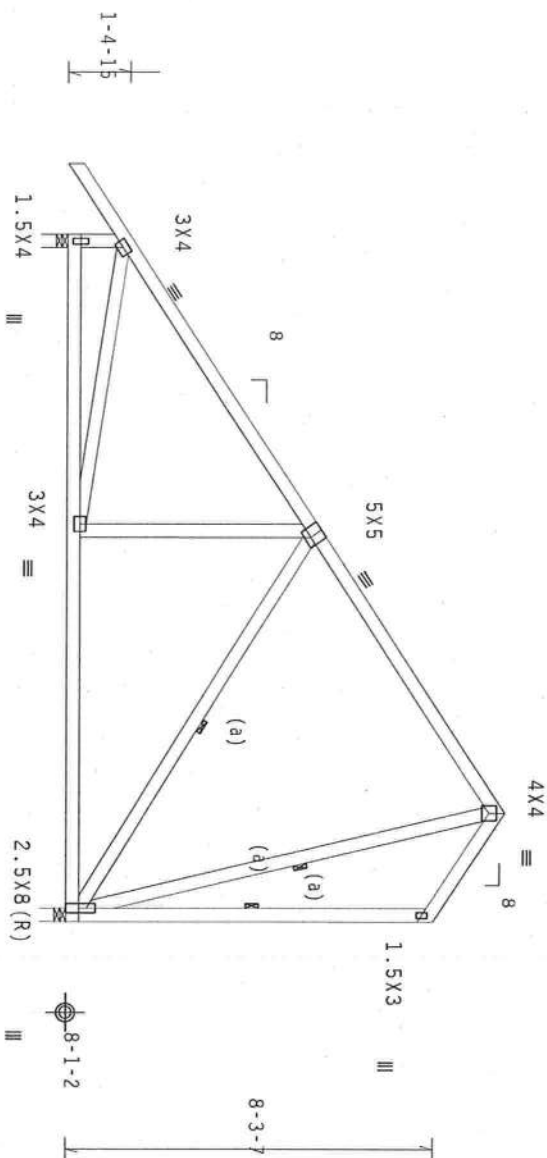
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP 8, 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.

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.



12-8-8  
15-1-4 Over 2 Supports  
R=681 U=0 W=3.5"  
RL=131/-80

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STD)

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

10.03.11.0209.20

OT: 1

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

Scale = .25" / Ft.

NE

Building Components Group Inc.

Haines City, FL 33844  
FL COA #0278

**\*\*IMPORTANT: READ THIS BEFORE ALL CONNECTIONS, INCLUDING INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and erection. Follow the latest edition of AISC's Building Component Safety Information, by TPI and AISC's Building Component Safety Manual, by TPI and AISC. Trusses are not to be used in any practice prior to performing these guidelines. Installers shall provide temporary bracing unless noted otherwise. The chord shall have properly attached structural sheathing and bolts shall be properly installed and secured. Locations shown for permanent lateral restraint shall be used, unless noted otherwise.

All building components, ground fasts, (TITB001) shall be the responsible for any deviation from the design. The manufacturer of the trusses, (TITB001) shall be responsible for any deviation from the design of trusses. Apply plates to each face of trusses and post standard plate positions. A truss detail, unless noted otherwise. Refer to drawings A55A-2 for standard plate positions. A truss drawing or cover page listing this drawing, indicates acceptance of professional engineering design and construction of the truss. The manufacturer of the trusses shall be responsible for any deviation from the design of the trusses. The manufacturer of the trusses shall be responsible for any deviation from the design of the trusses. The manufacturer of the trusses shall be responsible for any deviation from the design of the trusses.

general notes page: TITB-001; www.titbco.com; TPI: www.tpi-usa.org; AISC: www.aiscindustry.com

Seal of the State of Florida Professional Engineer. The seal is circular with the text "STATE OF FLORIDA" and "PROFESSIONAL ENGINEER" around the perimeter. In the center, it says "No. 70861" and "WILLIAM H. KRICK". The expiration date "03.11.2029" is also visible.

10/25/2012

TC LL	20.0 PSF	REF R487 - 34738
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUR487 12299038
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEON - 26835
DUR.FAC.	1.25	
SPACING	24.0"	JREF - IUOM487_Z01

JREF - 1UQM487\_Z01

112-309--Glenwood King Lacy Crews Residence -- Columbia County, FL - t119)  
 Top chord 2x4 SP-#1-12A  
 Bot chord 2x4 SP-#1-12A  
 Webs 2x4 SP-#3-12A

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

(a) Continuous lateral bracing equally spaced on member.

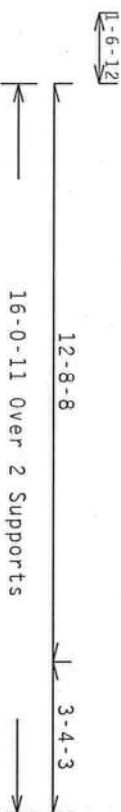
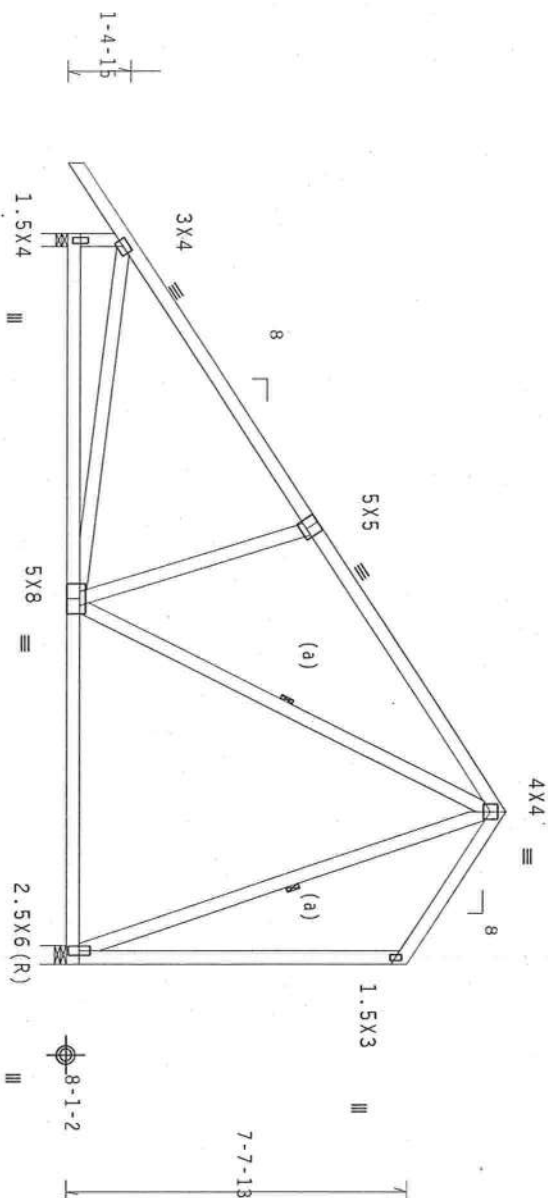
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Wind loads and reactions based on MWFRS 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.



R=718 U=0 W=3.5"  
 RL=121/-87

Design Crit: FBC2010Res/TPI-2007(Std)

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

0.03, 0.1, 0.20, 0.20

FL/-/4/-/1/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, handling, shipping, installing and bracing. Follow the latest edition of BCS (Building Component Safety Information, by TPI and ALSC) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bolts shall have bracing installed per BCS sections 83, 87 or 810, as applicable. The Building Components Group Inc. (BCGI) shall not be responsible for any deviation from any failure to build the truss in conformance with ASCE 7-10, or for handling, shipping, installing, or bracing the truss. The user of this design shall be responsible for the design, engineering, drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ASCE 7-10, Section 2. For more information see: general notes page: 110-000; www.tlwg.com; TPI: www.tlwg.com; ALSC: www.alsc.org

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Haines City, FL 33844  
 FL COA #0278



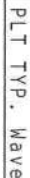
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TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HGUSR487 1229037
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEON-	26836
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	IUQM487_201

WEDS 2X4 3P-#3-12A : W3 2X4 3P-#1-12A:

(a) Continuous lateral bracing equally spaced on member.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCP1(+/-)=0.18


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

RL=102/-117

R=2311 U=81 W=3.5"

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

Tenants requiring crane or fabricating, handling, shipping, installing and bracing, shall follow the latest edition of BCSI (Building Commissioned Safety Information), by PCI and AISC. 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 bolted. All shall have a properly attached rafter tie. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 6B, 6C or 6D, as applicable.

10

Building Components Group Inc.

Haines City, FL 3384  
FL COA #0 278

Trusses requiring care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Components Safety Information), by IPI and UTCA, for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Bracing shall have a properly attached foot/celling. Locations shown for permanent lateral bracing and bolted girders shall have bracing indicated per BCSI sections 59, 60 or 610, as applicable.

The Building Components Group Inc. (BCEG) shall not be responsible for any deviation from the drawings to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or erecting the truss. The drawings are not to be used as a construction document. As such, details, unless noted otherwise, refer to drawings 1000-2 for standard plate positions. A note on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; TPI-BCSI: [www.tpicorp.org](http://www.tpicorp.org); UTCA: [www.utcaindustry.com](http://www.utcaindustry.com); [info@utca.net](mailto:info@utca.net)

10/25/2012

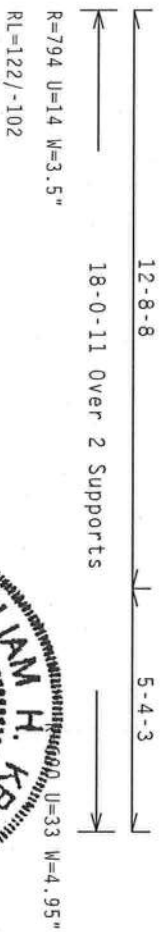
FL/-/4/-/-/R/-		Scale=.125"/ft.
TC LL	20.0 PSF	REF R487-- 34740
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUR487 12299036
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 26837
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UQM487_Z01

120 mph wind. 15.00 ft mean hgt, ASCE 7-10, closed bldg, located anywhere in roof. RISK CAT II, EXP 8, 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.

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.


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

No. 70861

REF R487-- 34741

FER

# ENCLOSURE

10/25/2012

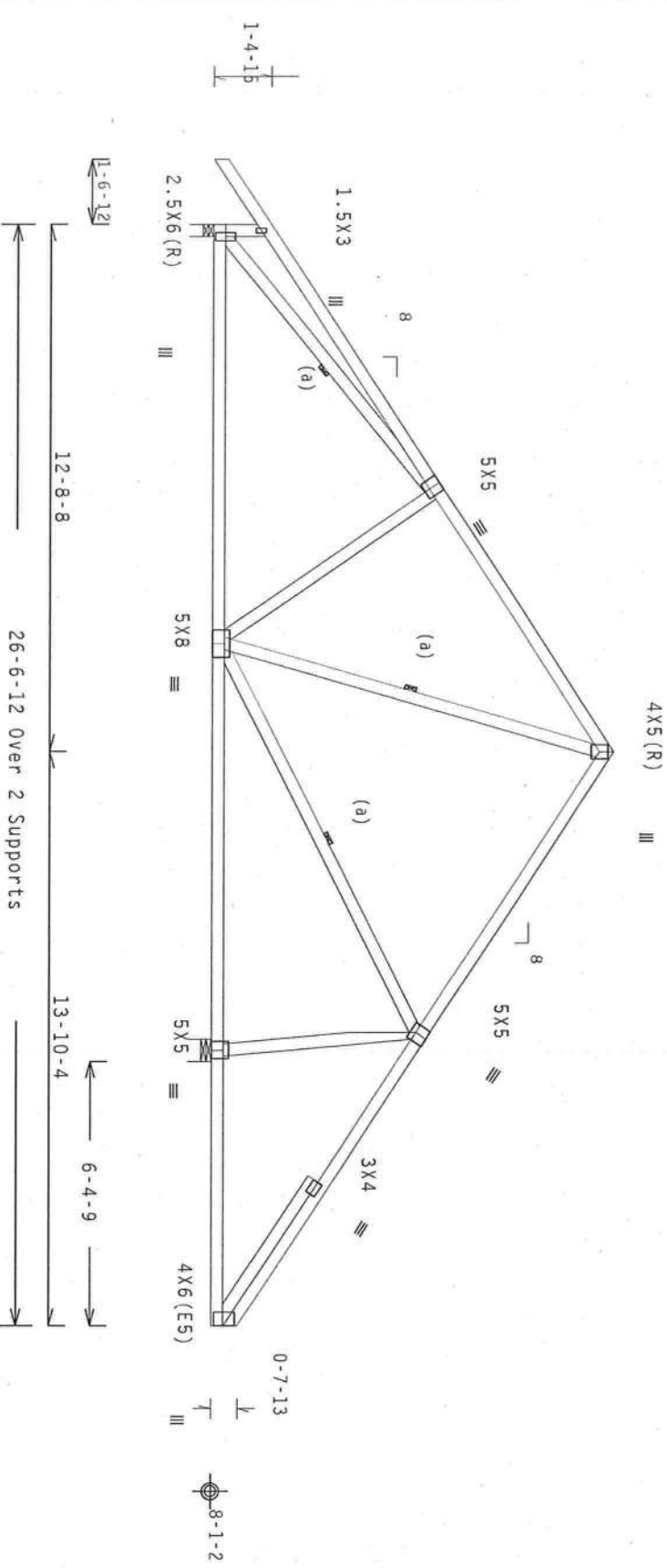
JREF - 1UQM487\_Z01

Top chord 2x4 SP-#1-12A  
Bot chord 2x4 SP-#1-12A  
Webs 2x4 SP-#3-12A  
Rt Slider 2x4 SP-#3-12A: BLOCK LENGTH = 4.161'  
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCFI(+/-)=0.18  
Wind loads and reactions based on MFRS with additional C&C member design.  
Right cantilever is exposed to wind  
Bottom chord checked for 10.00 psf non-concurrent live load.



PLT TYP. Wave

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

10-03-11.0209.20

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

Scale = .25"/Ft.

R=824 U=35 W=3.5"  
RL=151/-164

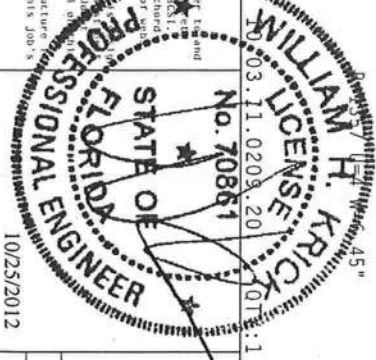
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET.  
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and BCSA) practices prior to performing these functions. Installers shall provide temporary bracing and bolting unless noted otherwise. Top chord shall have properly attached structural sheathing and bolting shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall have bracing installed per best sections B3, B2 or B10, as applicable.

TP1 Building Components Group Inc. (138850) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/TP1 1, or for handling, shipping, installing, or bracing. The truss manufacturer shall be responsible for the design and construction of the truss, including the design and construction of the connections, and for the design and construction of the bracing. The truss manufacturer shall be responsible for the design and construction of the bracing, including the design and construction of the connections, and for the design and construction of the bracing. The truss manufacturer shall be responsible for the design and construction of the bracing, including the design and construction of the connections, and for the design and construction of the bracing.

ALPINE

Haines City, FL 33844  
FL COA #0278



TC LL	20.0 PSF	REF R487-- 34742
TC DL	7.0 PSF	DATE 10/25/12
BC DL	10.0 PSF	DRW HCUR8487 12299040
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON- 26840
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UQM487_201

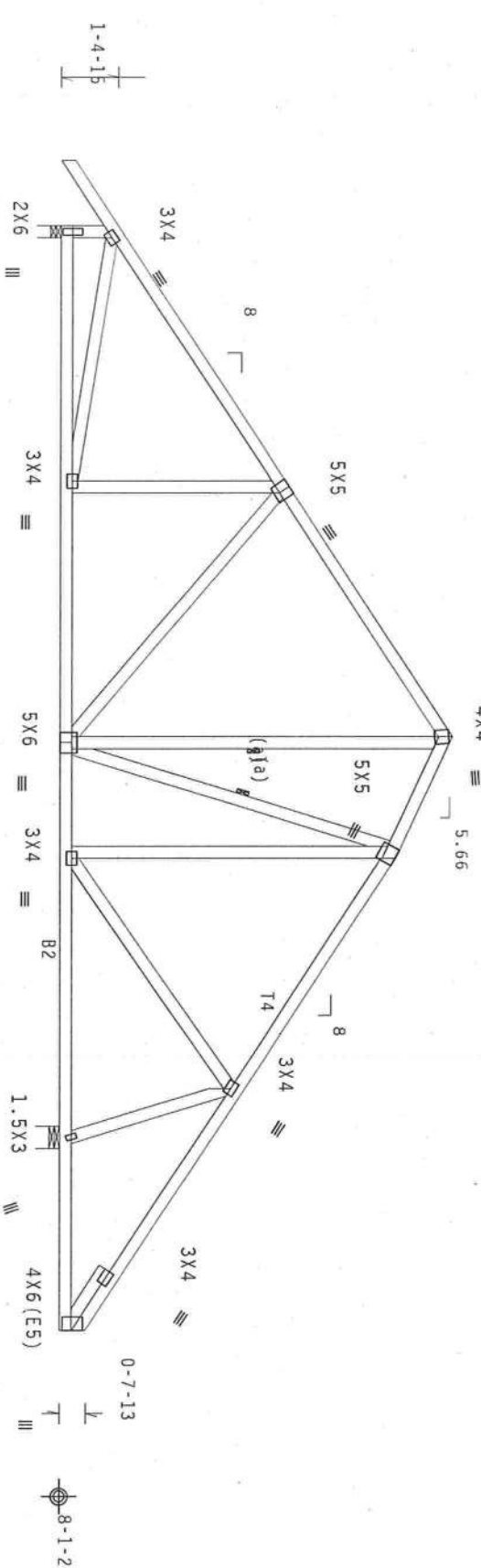


Top chord 2x4 SP-#1-12A : 14 2x4 SP M-30:  
Bot chord 2x4 SP-#1-12A : B2 2x4 SP M-30:  
Weds 2x4 SP-#3-12A  
: Rt Slider 2x4 SP-#3-12A: BLOCK LENGTH = 1.696'  
Lumber grades designated with "12A" use design values approved  
1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located  
anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC  
DL=5.0 psf, GCPI(+/-)=0.18  
Wind loads and reactions based on MWFRS with additional C&C member  
design.  
Right cantilever is exposed to wind  
Bottom chord checked for 10.00 psf non-concurrent live load.



12-3-6  
2-11-3  
26-6-12 Over 2 Supports  
11-4-4  
4-4-9  
1-4-15  
1-6-12  
R=922 U=36 W=3.5"  
RL=144/-159

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



Scale = .25"/ft.

ALPINE

Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

10/23/2012

SPACING 24.0"

JREF - IUOM487\_201

Trusses require extreme care in fabricating, handling, shipping, installation and bracing. Follow the latest edition of BCSP (Building Component Safety Information, by TPI and WCA) for the correct bracing of trusses. Trusses shall be braced in accordance with the following: Trusses noted otherwise: Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections B.9. or B10. as applicable.

THE BUILDING COMPONENTS GROUP, INC. (THBCG) SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the job site. Details, unless noted otherwise. Refer to drawings IBOB-2 for standard plate positions. A steel only drawing or crane base lifting this drawing, indicates acceptance of professional engineering structural design and construction of the building component per ANSI/TPI 1, Sec.2. The responsibility for the building component per ANSI/TPI 1, Sec.2, for more information see: general notes page: THB-000; www.thbcg.com; TPI: www.tpi.net.org; WCA: www.theindustry.com; IBC: www.icsafe.org

PROFESSIONAL ENGINEER

STATE OF FLORIDA

10/25/2012

TC LL	20.0 PSF	REF	R487--	34743	
TC DL	7.0 PSF	DATE	10/25/12		
BC DL	10.0 PSF	DRW	HCSR487	1229041	
BC LL	0.0 PSF	HC-ENG	WHK/WHK		
TOT.LD.	37.0 PSF	SEON-	26979		
DUR.FAC.	1.25				

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.  
County, FL - t24)

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

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Deflection: 1/3200 in. and 1/1000 in. total load

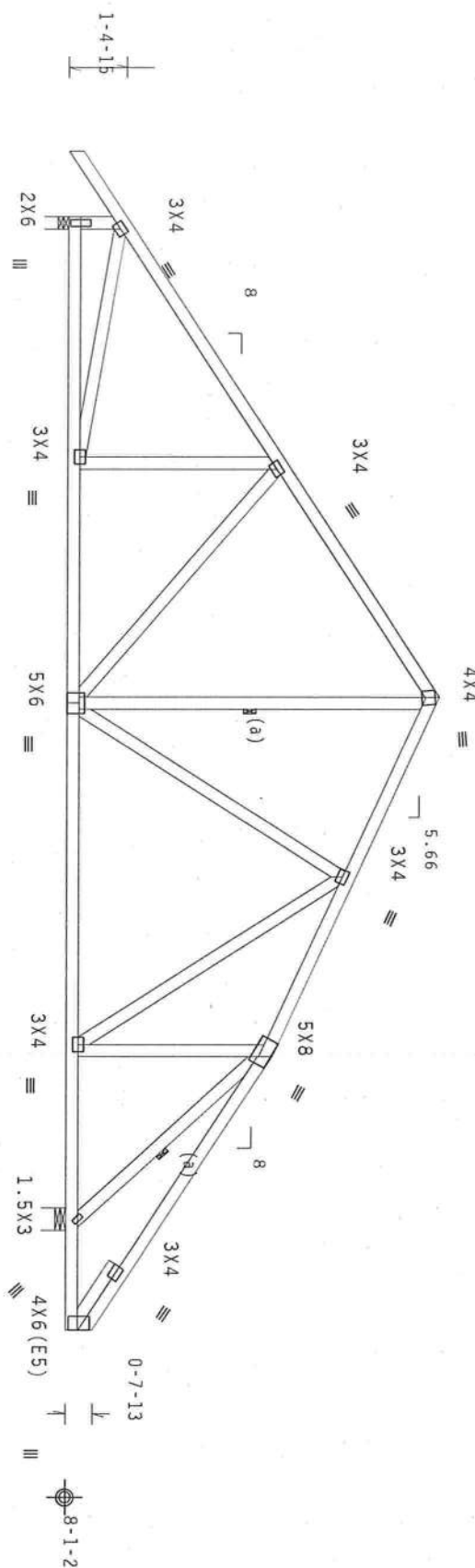


Diagram of a continuous beam with four spans. The spans are labeled 11-5-7, 8-7-1, 6-6-5, and 2-4-9. The beam is supported by four supports, with the first support being a fixed support and the others being roller supports. The total length of the beam is 26-6-12 over 2 supports.

R=1009 U=38 W=3.5"  
RL=132/-151

R=1123 U=21 W=6.45"

PLT TYP. Wave

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

WIL  
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10.03.11.0209.20

105

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, handling, shipping, installing and bracing. Refer to the latest edition of BCIS (Building Component Safety Information, by TPI and WCA) for more information on the proper bracing of trusses. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per BCIS sections B3, B4 or B10, as applicable.

ALPINE

**Shipping Components Group Inc.**

Haines City, FL 33844  
FL COA #0278

the responsibility of the building designer per ANSI/APA 1 Sec. 2.2. For more information, see general notes page: LHM-BCG: [www.lhmbcg.com](http://www.lhmbcg.com); TPI: [www.tpinstr.org](http://www.tpinstr.org); ICC: [www.iccsafe.org](http://www.iccsafe.org); NICA: [www.theindustry.com](http://www.theindustry.com)

10/25/2012

SPACING	24.0"
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JREF - 1UOM487\_Z01

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

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

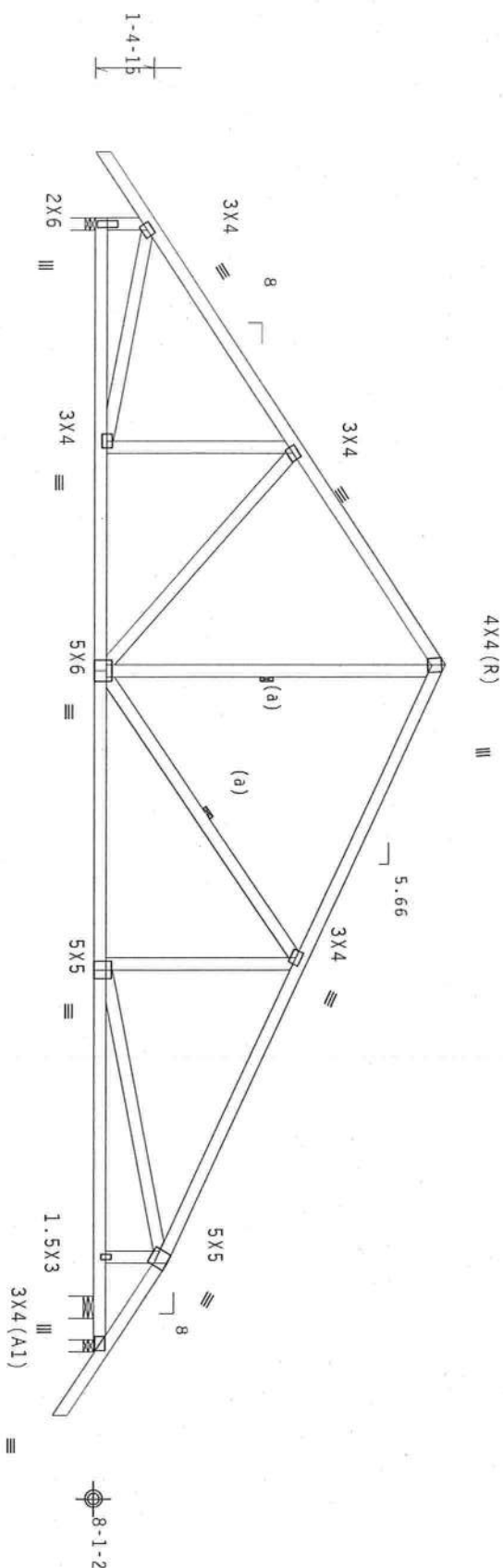
(a) Continuous lateral bracing equally spaced on member.

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

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

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

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



10-7-7 25-7-12 14-2-15 2-1-6

R=1110 U=41 W=3.5"

R=141/-156

R=344 U=13 W=6.45"

R=807 U=31 W=3.5"

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)

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

FL/-/4/-/R/-

Scale = .25"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety Information, by TPI and WCA) for BCSP practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. The chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (BCCI) shall not be responsible for any deviation from the design or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or bracing the truss. The user of this design shall be responsible for the design and for the details, unless noted otherwise. Refer to drawings 1000-2 for standard plate positions. A seal on the drawing or cover page listing the design shown, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; TPI-BCSP; www.bccsp.com; TPI: www.tpiinc.org; WCA: www.abdnorthwest.com; IBC: www.icbc.org

ALPINE

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



TC LL	20.0 PSF	REF R487--	34745
TC DL	7.0 PSF	DATE	10/25/12
BC DL	10.0 PSF	DRW	HCSR487 12295043
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEON-	26900
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UQ0487_201