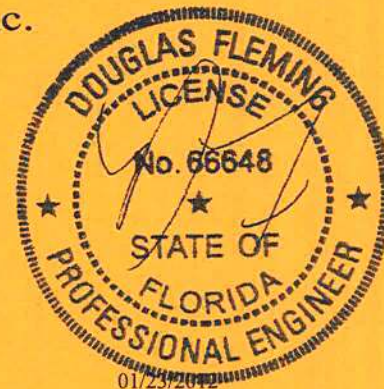


30019

Old Truss Plans - Replaced

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 2 Document ID: IUIY487-Z0123083510



Truss Fabricator: Anderson Truss Company
 Job Identification: 12-010--Fill in later BRYAN ZECHER/NEELY -- , **
 Truss Count: 143
 Model Code: Florida Building Code 2007 and 2009 Supplement
 Truss Criteria: FBC2007Res/TPI-2002(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 - 40.0 PSF @ 1.25 Duration
 Floor - N/A
 Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

Douglas Fleming
 -Truss Design Engineer-

1950 Marley Drive
 Haines City, FL 33844

Details: BRCLBSUB-160TL-PB120-

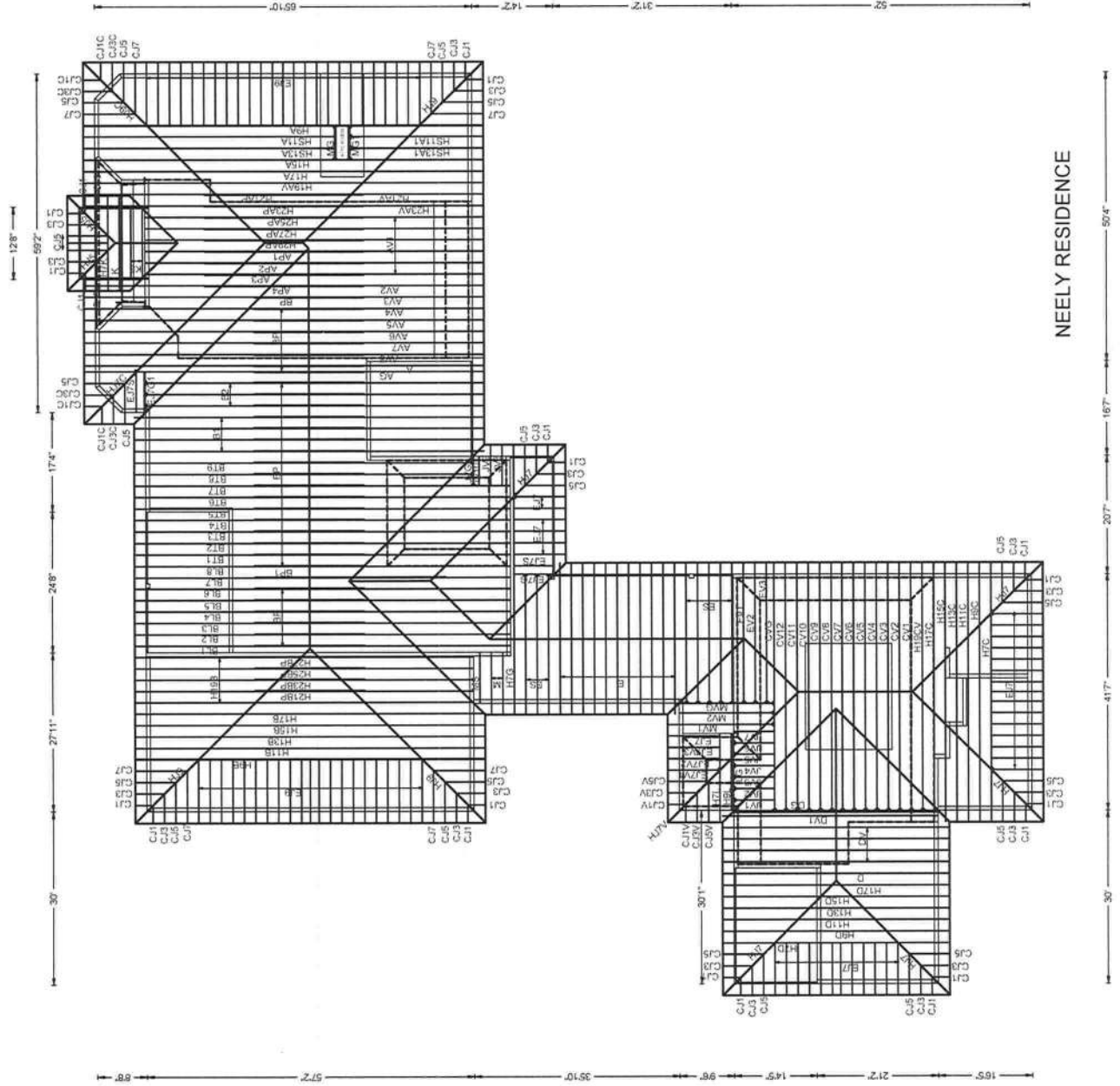
#	Ref	Description	Drawing#	Date
1	51108--AG		12023006	01/23/12
2	51109--A		12023007	01/23/12
3	51110--H17A		12023008	01/23/12
4	51111--H9A		12023141	01/23/12
5	51112--H15A		12023142	01/23/12
6	51113--HS11A		12023009	01/23/12
7	51114--HS13A		12023010	01/23/12
8	51115--HS11A1		12023011	01/23/12
9	51116--HS13A1		12023012	01/23/12
10	51117--AV2		12023013	01/23/12
11	51118--AV3		12023014	01/23/12
12	51119--AV8		12023015	01/23/12
13	51120--AV7		12023016	01/23/12
14	51121--AV6		12023017	01/23/12
15	51122--AV5		12023018	01/23/12
16	51123--AV4		12023019	01/23/12
17	51124--AV1		12023020	01/23/12
18	51125--H23AV		12023021	01/23/12
19	51126--H21AV		12023022	01/23/12
20	51127--H19AV		12023023	01/23/12
21	51128--H9B		12023024	01/23/12
22	51129--H11B		12023025	01/23/12
23	51130--H13B		12023026	01/23/12
24	51131--H15B		12023027	01/23/12
25	51132--H17B		12023028	01/23/12
26	51133--H19B		12023029	01/23/12
27	51134--B1		12023030	01/23/12
28	51135--B2		12023031	01/23/12
29	51136--BL1		12023032	01/23/12
30	51137--BL2		12023033	01/23/12
31	51138--BL3		12023034	01/23/12
32	51139--BL4		12023035	01/23/12
33	51140--BL5		12023036	01/23/12
34	51141--BL6		12023037	01/23/12
35	51142--BL7		12023038	01/23/12
36	51143--BL8		12023039	01/23/12

#	Ref	Description	Drawing#	Date
37	51144--BT7		12023040	01/23/12
38	51145--BT8		12023041	01/23/12
39	51146--BT9		12023042	01/23/12
40	51147--BT1		12023043	01/23/12
41	51148--BT2		12023044	01/23/12
42	51149--BT3		12023045	01/23/12
43	51150--BT4		12023046	01/23/12
44	51151--BT5		12023047	01/23/12
45	51152--BT6		12023048	01/23/12
46	51153--H7C		12023049	01/23/12
47	51154--H9C		12023050	01/23/12
48	51155--H11C		12023051	01/23/12
49	51156--H13C		12023052	01/23/12
50	51157--H15C		12023053	01/23/12
51	51158--H17C		12023054	01/23/12
52	51159--CVG		12023055	01/23/12
53	51160--H19CV		12023056	01/23/12
54	51161--CV1		12023057	01/23/12
55	51162--CV2		12023058	01/23/12
56	51163--CV3		12023059	01/23/12
57	51164--CV4		12023060	01/23/12
58	51165--CV5		12023061	01/23/12
59	51166--CV6		12023062	01/23/12
60	51167--CV7		12023063	01/23/12
61	51168--CV8		12023064	01/23/12
62	51169--CV9		12023065	01/23/12
63	51170--CV10		12023066	01/23/12
64	51171--CV11		12023067	01/23/12
65	51172--CV12		12023068	01/23/12
66	51173--H7D		12023069	01/23/12
67	51174--H9D		12023070	01/23/12
68	51175--H11D		12023071	01/23/12
69	51176--H13D		12023072	01/23/12
70	51177--H15D		12023073	01/23/12
71	51178--H17D		12023074	01/23/12
72	51179--D		12023075	01/23/12



Roof Plane Sheathing Area = 17460 sq. ft

Roof Plane Sheathing Area = 15721 sq. ft



NEELY RESIDENCE

JOB DESCRIPTION: Fill in later
/ : BRYAN ZECHER/NEELY

JOB NO:
12-010

PAGE NO:
1 OF 1

Top chord 2x6 SP #2 : I2 2x6 SP M-26: : I7 2x4 SP #1:

top chord 2x6 SP #2 :B1. B2 2x6 SP M-26:
bot chord 2x6 SP #2 :B1. B2 2x6 SP M-26:

60L C10P4 Zx0 SP #2 :W1. W2 Zx0 SP #2:W2.
Webs 2x4 SP #3 :W2. W4. W17. W19 2x4 SP #2:

1110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt(+/-)=0.18

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

Left and right cantilevers are exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

Special loads

	Lumber	Dur. Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From	62 pf at 0.00	to 62 pf at 9.00
TC- From	62 pf at 0.00	to 62 pf at 17.67
TC- From	62 pf at 9.00	to 62 pf at 29.66
TC- From	62 pf at 17.67	to 62 pf at 48.84
TC- From	62 pf at 29.66	to 62 pf at 69.83
TC- From	62 pf at 48.84	to 62 pf at 9.06
BC- From	20 pf at 0.00	to 20 pf at 9.06
BC- From	10 pf at 0.00	to 10 pf at 10.54
RC- From	20 pf at 10.54	to 20 pf at 69.83

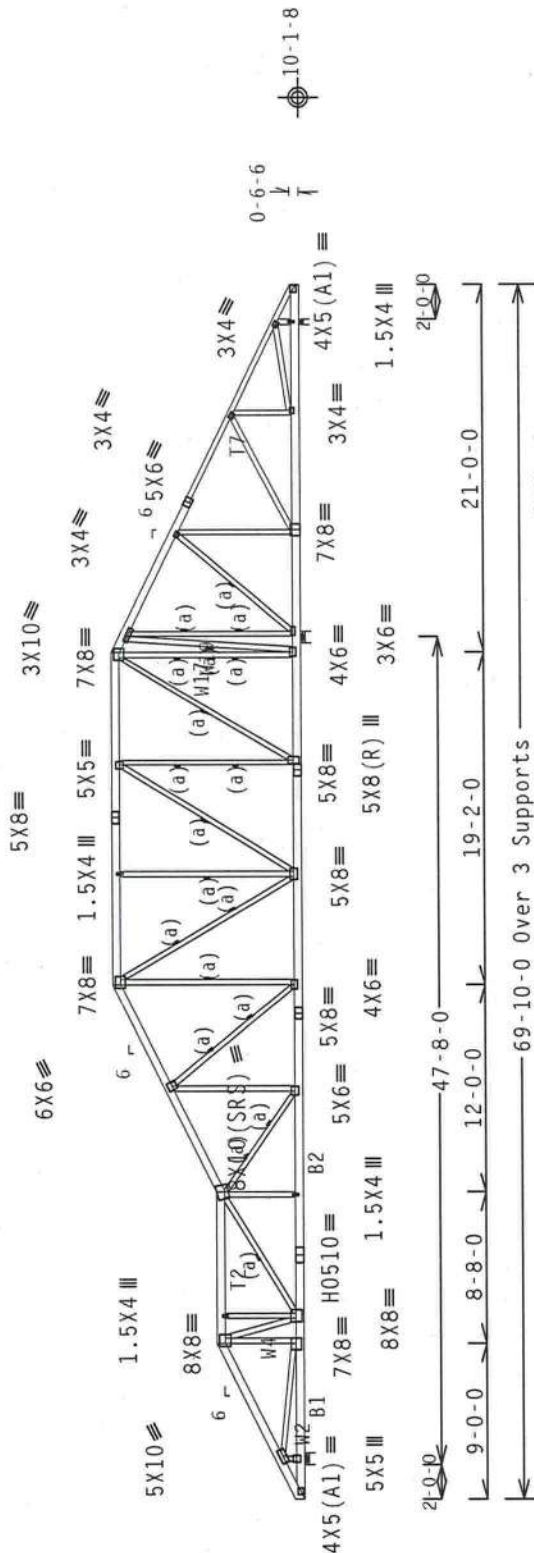
PLT- 218.26 lb Conc. Load at (9.06.15.12)

PIB- 140.00 lb Conc. Load at (9.06.10.16)

PIB- 2473.39 lb Conc. Load at (10.54, 10.16)

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R=4168 I=240 W=8"

PIT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .09375" / Ft.

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for all details and instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI. All bracing shall be installed in accordance with the design and specifications of the manufacturer. The manufacturer shall have a properly attached rigid ceiling. Ceilings shown for permanent lateral restraint of the truss shall have bracing installed per CSI sections 83, 87 or B10, as applicable.

TPA Building Components Group Inc. (TBCG) shall not be responsible for any deviation from this drawing. The user of this drawing shall be responsible for the proper design, fabrication, installation and processing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the 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. Please contact TBCG, Sec. 2, 1800 W. 155th Ave., Suite 300, Denver, CO 80233, USA. Tel: 303-751-1000, Fax: 303-751-1001, E-mail: enquiry@tbcg.com, webmaster@tbcg.com, www.tbcg.com, tbcg.com

7

STATE OF

01/23/2012
FLORIDA PROFESSIONAL ENGINEERS

Case	Age	Sex	Duration	Location	Findings
1	20	M	20-0	P	

C DL	10.0 P
C DL	10.0 P

C.LL	0.0
OT.LD.	40.0
UR.FAC.	1.25
PACING	24.0"

R487-- 51108

DATE 01/23/12

HC-ENG_DF/DF
SEQN- 264217
JREF- 1UIY487_Z01

(12-010--F111 in later BRYAN ZECHER/NEELY -- ** - H17A)

Top chord 2x6 SP #2 :T1 2x4 SP #1:

Bot chord 2x6 SP #2

Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

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

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 15.41 ft. from roof edge.

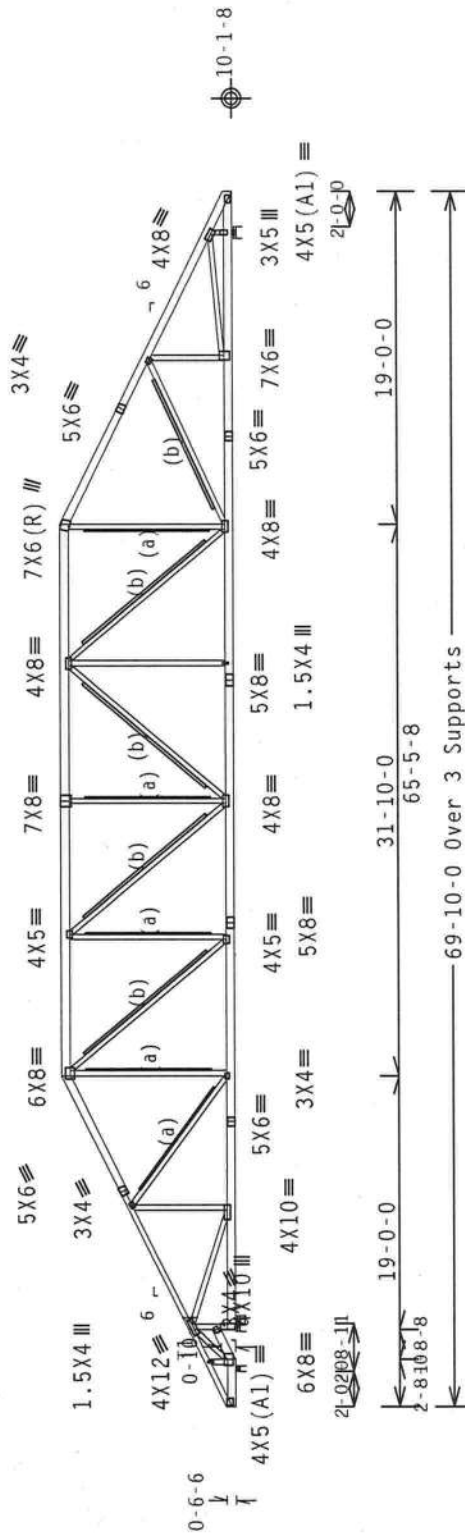
110 mph wind, 15.41 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpl(+/-)=0.18

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

(b) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



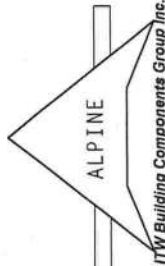
R=77 Rw=170 U=110 W=3.5"
RL=2239124-0 W=11.314"

(9.814" Effective Contact)

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave

Scale = .09375" / Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL COMPACTORS 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 IPI and WICA for safe practices prior to performing these functions. Installers shall be responsible for proper structural sheathing and bottom chord bracing. Trusses shall be properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections 83, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of trusses. Apply plates to each face of truss and position as shown above and on the bottom chord. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal or 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. IPI: www.ipiinst.org; WICA: www.sciindustry.com; ICC: www.1ccsafe.org			
	TC LL	20.0 PSF	FL/-/4/-/4/-/R/-	REF R487-- 51110
	TC DL	10.0 PSF		DATE 01/23/12
	BC DL	10.0 PSF		DRW HCUSR487 12023008
	BC LL	0.0 PSF		HC-ENG DF/DF
	TOT.LD.	40.0 PSF		SEQN- 264701
	DUR.FAC.	1.25		
	SPACING	24.0"		JREF- 1UIY487_Z01

(12-010--F111 in later BRYAN ZECHER/NEELY -- ** - H9A)

Top chord 2x6 SP M-26 :T1, T5 2x4 SP #1:

Bot chord 2x6 SP M-26

Webs 2x4 SP #3 :W1, W5, W17, W19, W23 2x4 SP #2:

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC- From 62 plf at 0.00 to 62 plf at 11.00
 TC- From 117 plf at 11.00 to 117 plf at 58.83
 TC- From 62 plf at 58.83 to 62 plf at 69.83
 BC- From 20 plf at 0.00 to 20 plf at 11.00
 BC- From 100 plf at 11.00 to 100 plf at 58.83
 BC- From 20 plf at 58.83 to 20 plf at 69.83
 BC- 989.85 lb Conc. Load at 11.00, 58.83
 BC- 1859.00 lb Conc. Load at 43.96
 BC- 987.50 lb Conc. Load at 46.52

Left and right cantilevers are exposed to wind

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

Deflection meets L/240 live and L/180 total load.

2 COMPLETE TRUSSES REQUIRED

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

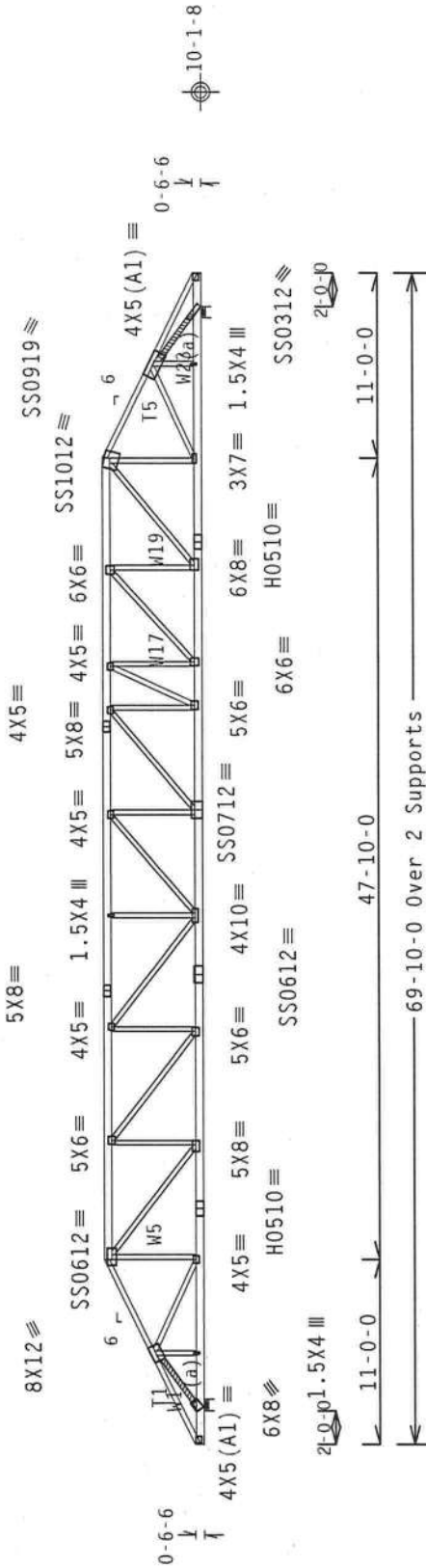
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. LW=1.00 GCpl (+/-)=0.18

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

Calculated horizontal deflection is 0.20" due to live load and 0.21" due to dead load.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R-8083 U-869 W-8"

69-10-0 Over 2 Supports

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10% (0%)/0 (0)

FL/- /4/- /- /R/- Scale = .09375" / Ft.

TC LL	20.0 PSF	REF	R487 --	51111
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023141
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	264744	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
 FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to all follow the latest edition of BCSI Building Component Safety Information, by TPI and WCA for details and practices prior to performing these functions. Installers shall provide temporary bracing for all trusses. Trusses shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI Sections B3, B7 or B10, as applicable.
 IIR Building Components Group Inc. (IIRBCG) shall not be responsible for any deviation from the 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 jointing details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal 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: IIR Building Components Group Inc. 14-800- www.iirbcg.com; TPI: www.tpiinst.org; WCA: www.bcsindustry.com; IBC: www.ibcinst.org

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

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - H15A)

Top chord 2x6 SP M-26
Bot chord 2x6 SP M-26
Webs 2x4 SP #3 :W2, W13, W17 2x4 SP #2:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cp}(+/-)=0.18$

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

Left and right cantilevers are exposed to wind

Calculated horizontal deflection is 0.14" due to live load and 0.14" due to dead load.

(c) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.

RS1
(1) 2x6X11-0-0 SP M-26 Bottom chord scab centered 44-7-1 from left end. Attach to one face of chord with (3) rows of 0.131"x3" nails @ 6" O.C., staggered 3".

Special loads

- (Lumber
- TC- From Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
- 62 plf at 0.00 to 62 plf at 17.00
- TC- From 62 plf at 17.00 to 62 plf at 43.90
- 31 plf at 43.90 to 31 plf at 46.52
- TC- From 62 plf at 46.52 to 62 plf at 52.83
- 62 plf at 52.83 to 62 plf at 69.83
- TC- From 62 plf at 69.83 to 62 plf at 43.90
- BC- From 20 plf at 0.00 to 20 plf at 43.90
- BC- From 10 plf at 43.90 to 10 plf at 46.52
- BC- From 20 plf at 46.52 to 20 plf at 69.83
- BC- 1784.94 lb Conc. Load at 43.90
- BC- 950.54 lb Conc. Load at 46.52

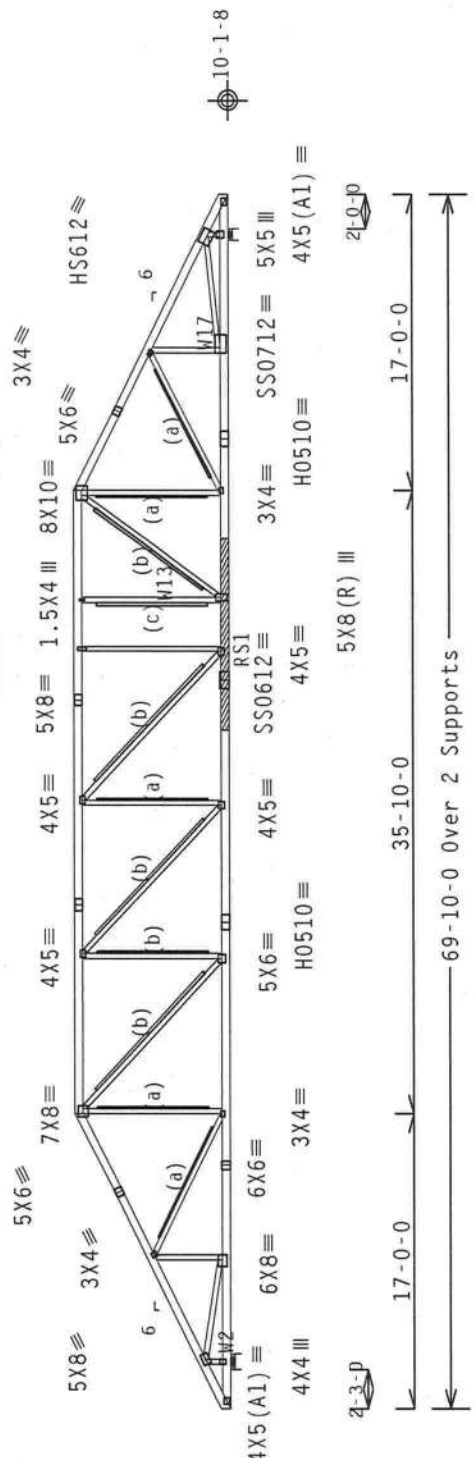
(a) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

(b) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

2.5X6 design of temporary bracing.



R-3814 U-395 W=11.314"

69-10-0 Over 2 Supports

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)

Scale = .09375"/Ft.

R-4565 U-472 W=8"



REF	R487--	51112
DATE	01/23/12	
DRW	HCUSR487 12023142	
HC-ENG	DF/DF	
SEQN	264696	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UIY487_Z01	

ALPINE
Haines City, FL 33844
FL COA #0 278

IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural members and bracing. The truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
IPI Building Components Group, Inc. (IPI/BCG) shall not be responsible for any deviation from the design shown. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 150A-2 for standard plate positions. A seal on the 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; IPI-BCG: www.ipecg.com; TPI: www.tpinet.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org

	Top	chord	2x4	SP
#1				
#1	Bot	chord	2x4	SP
#3		webs	2x4	SP

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(b) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt(+/-)=0.18

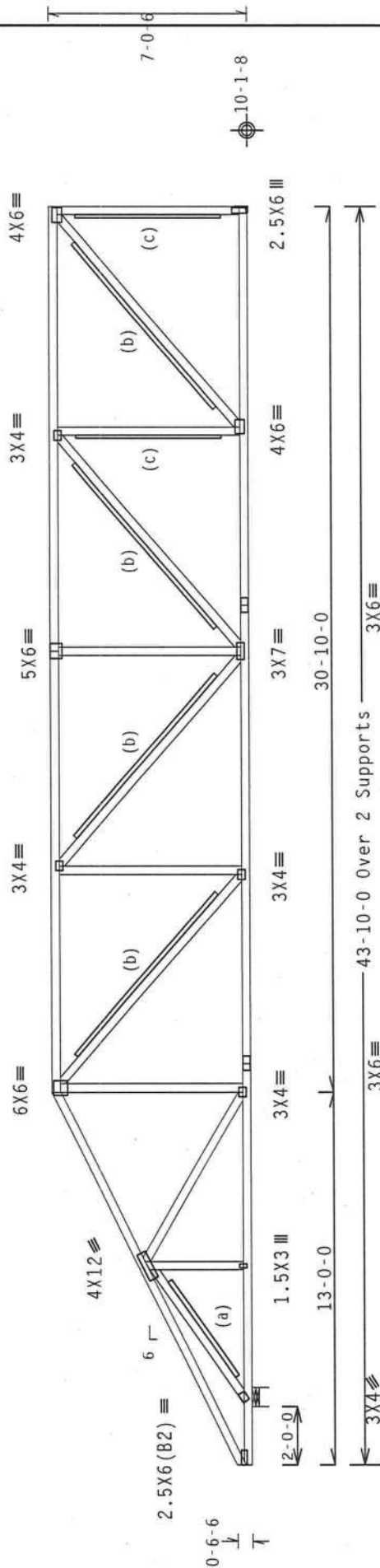
Wind loads and reactions based on MIFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

(a) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 6d Box or Gun (0.135"x3.5".min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.



R-1704 U=189 H=Simpson HUS26

Supported Member Face: (4) 0.162"x3.5" nails

Supporting Member Face: (14) 0.162"x3.5" nails

Supporting Member : (1) 2x6 SP #2

R=1907 II=160 W=8"

RL=150/-44

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .1875"/Ft.

PLT TYP. Wave

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. Remember the latest edition of BCSP (Building Components Safety Association) for IPI and WICA for OSHA. The following are some of the most important safety precautions prior to performing the work:

- The truss shall be properly attached structural sheathing and bottom chord bracing.
- The truss shall have a properly attached roof ceiling.
- Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITB Building Components Group Inc. (ITB-BCG) shall not be responsible for any deviation from the manufacturer's instructions, or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or any other failure to properly fabricate or install the truss. Apply plates to each face of truss and position as shown above and on the Jointing Details, unless otherwise. Refer to Drawings 1600-2 For standard plate positions. A seal on the bottom chord of the truss is required. See the Jointing Details for details. The responsibility for the design, manufacture, and use of this design for any structure is the responsibility of the building engineer. The responsibility of ITB-BCG is to build the truss in conformance with the design. This job is not a design job. For more information, contact ITB-BCG at info@itb-usa.com, www.itb-usa.com, www.itb-usa.com, or www.itb-usa.com.



TC LL	20.0	PSF	REF R487-- 51113
TC DL	10.0	PSF	DATE 01/23/12
BC DL	10.0	PSF	DRW HCURS487 12023009
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 264555
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UIV487_Z01

(12-010--F111 in later BRYAN ZECHER/NEELY --, ** - HS13A)

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

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(b) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpl (+/-)=0.18

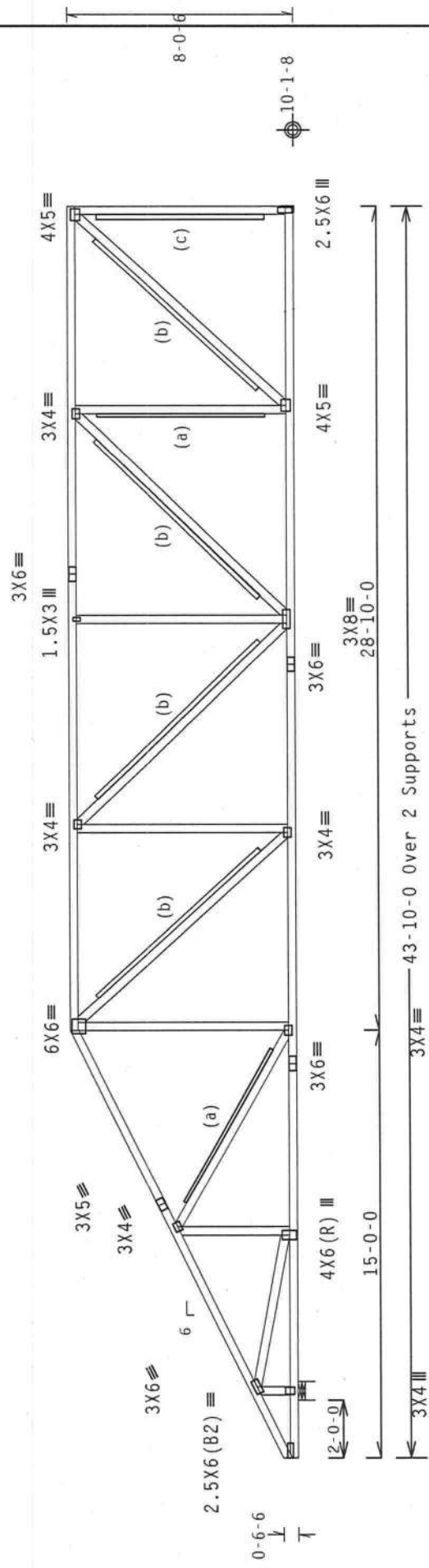
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

(c) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.



R-1704 U-145 H-Simpson HUS26
Supported Member Face: (4) 0.162"x3.5" nails
Supporting Member Face: (14) 0.162"x3.5" nails
Supporting Member: (1) 2x6 SP #2



R-1907 U-15 W-8"
RL=115/-51

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave	FL/-4/-/-R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R487-- 51114
TC DL	10.0 PSF	DATE 01/23/12
BC DL	10.0 PSF	DRW HCUSR487 12023010
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 264577
DUR.FAC.	1.25	
SPACING	24.0"	JREF- IUIY487_Z01

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. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for bracing are not lateral restraint locations. Trusses shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.

IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from this design or any failure to build the trusses in accordance with this design. The responsibility for proper installation, bracing, and position shall remain with the contractor. Details, unless noted otherwise, refer to drawings 160A-2 for standard plate positions. A seal on the 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: IPI/BCG: www.iubioc.com; IPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org



	Top chord	2x4	SP	#1
	Bot chord	2x4	SP	#1
	Web	2x4	SP	#3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Deflection meets L/240 live and L/180 total load.

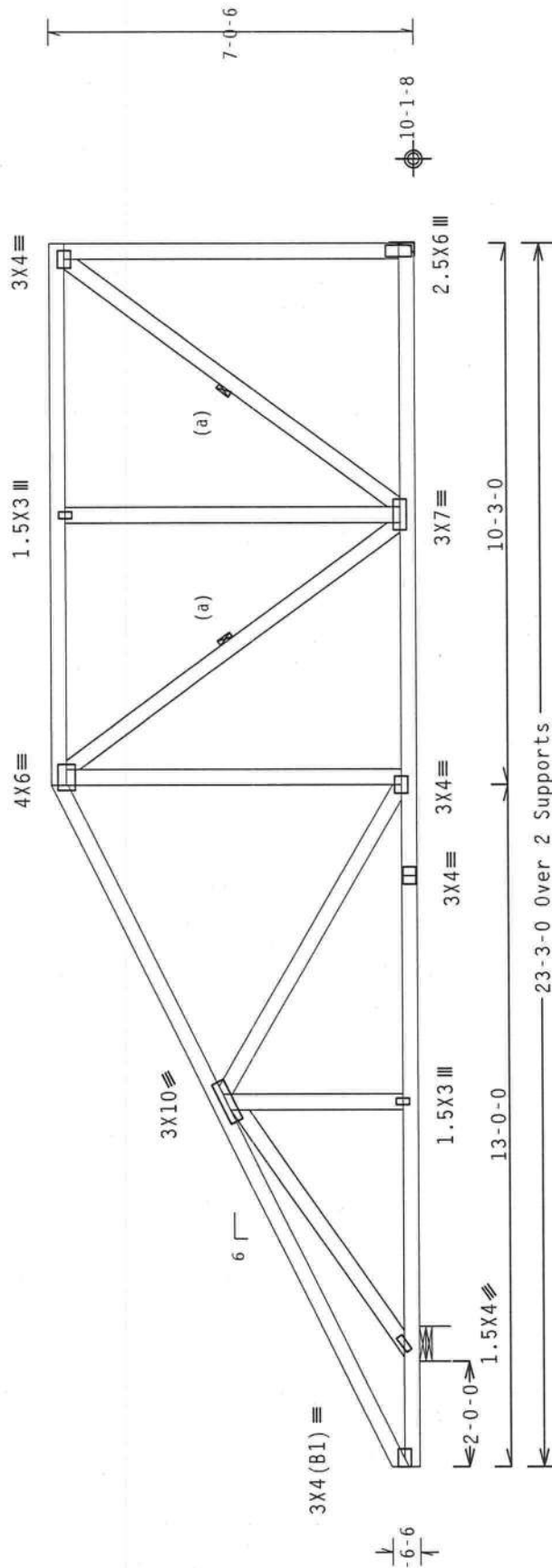
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

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



23-3-0 Over 2 Supports

R=1064 U=61 W=8"
RL=150/-33

R-851 U-112 H-Simpson LUS24
Supported Member Face: (2)
Supporting Member Face: (4)
Supporting Member : (1) 2x6

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .3125"/Ft.

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

10 93 04/0607 16

(015) 2007-

3C200/kes/IPI
FT/RT=10%(0%)

Design Crit: FE

DI T TVD Wave

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

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

follow the latest edition of BCSI (Building Component Safety Information, by TPI and WPCA) for safety.

In addition, the following practices shall be performed:

- a) The top chord shall have properly attached structural sheathing and bottom chord

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

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from their design or installation instructions. IITWBCG shall not be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or any other failure.

Bracing of trusses. Apply plates to each face of truss and position as shown above and on the opposite page. Use 160A-2 for standard plate positions. A seal on the end of the plate is required for all details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the end of the plate is required for all details, unless noted otherwise.

drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure

the responsibility of the Building Designer per ANSI/IFP 1 Sec.2. For more information see: general notes page; IIN-BCG: www.itubcg.com; IPI: www.ipinst.org; WICA: www.sbcindustry.com; this job's

ICC: www.iccsafe.org

(12-010--F111 in later

BRYAN ZECHER/NEELY -- , ** - HS13A1)

Top chord 2x4 SP #1

Bot chord 2x4 SP #1

Webs 2x4 SP #3

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcp1(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

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

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

15-0-0

8-3-0

8-0-6

10-1-8

2.5X6 III

3X7 III

3X4 (B1) III

1.5X3 III

0-6-6

6

(a)

(a)

23-3-0 Over 2 Supports

R-1064 U=0 W=8"

RL=115/-38

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

ALPINE

RTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

R-851 U=79 H=Simpson LUS24

Supported Member Face: (2)

Supporting Member Face: (4)

Supporting Member : (1) 2x6 SP #2

Scale = .3125"/Ft.

QTY 1

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

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R487-- 51116

DATE 01/23/12

DRW HCUSR487 12023012

HC-ENG DF/DF

SEQN- 264601

JREF- 1UIY487_Z01

HARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

IMPORTANT FURNISH THIS DESIGN TO ALL COMPARTMENTS 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 WICA) for details. Unless noted otherwise, top chord shall have proper temporary bracing per BCSI. Bottom chord shall have bracing installed per BCSI. Trusses shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

TW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from the approved design and shall conform with ANSI/TPI 1 or for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job 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.2.2. For more information see: This Job's general notes page: TIR-BCSI: www.tbcsig.com; TPI: www.tpiinst.org; WICA: www.bcsiindustry.com; ICC: www.iccsafe.org

(12-010--Fill in later BRYAN ZECHER/NEELY -- ** - AV3)

Top chord 2x4 SP #1 :T2, T6 2x6 SP #2:
Bot chord 2x6 SP #2 :B6 2x6 SP #26:
Webs 2x4 SP #3 :W6, W24 2x4 SP #2:

110 mph wind, 16.17 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)-0.18

Left and right cantilevers are exposed to wind

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

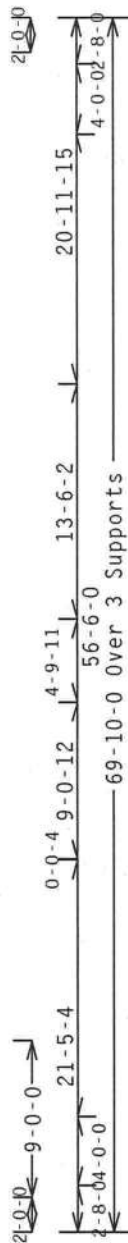
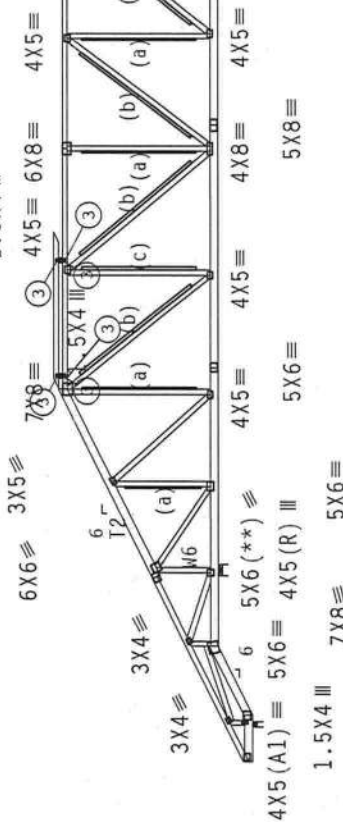
(b) 2x6 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor.

Failure to follow provisions of BCST in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCST recommends retaining a registered professional engineer for the design of temporary bracing.

2X6TRULOX(**)(++) III 2X6TRULOX(**)(++) III
1.5X4 III



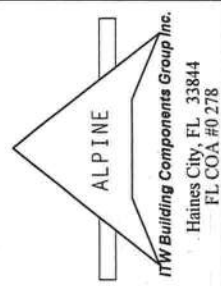
R--36 RW=46 U=71 W=3.5"
RL=251/-249 R=3346 U=0 W=8"

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002(STD)
Wave, TruTox FT/RT=10%(0%)/0(0)

Scale = .09375"/Ft.		FL/-/4/-/R/-	TC LL	20.0 PSF	REF R487-- 51118
			TC DL	10.0 PSF	DATE 01/23/12
			BC DL	10.0 PSF	DRW HCUSR487 12023014
			BC LL	0.0 PSF	HC-ENG DF/DF
			TOT.LD.	40.0 PSF	SEQN- 264378
			DUR.FAC.	1.25	
			SPACING	24.0"	JREF- 1UIY487_Z01



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 BCST (Building Component Safety Information, by TPI and NITA) for details on proper handling, shipping, installing and bracing of trusses. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCST sections 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The ITWBCG and use of this design for any structure is general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NITA: www.structure.com; ICC: www.iccsafe.org



1110 mph wind. 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCp1(+)=0.18

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

ing loads and reactions based on HINKS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

Failure to follow provisions of 601 in maintaining and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. GCSI recommends retaining a registered professional engineer for the design of temporary bracing.


$$EI / -14 / -1 -18 / -$$

$$Scale = 0.9375" / Ft$$

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

Trusses require extreme care in fabricating, shipping, handling, and bracing. Refer to and follow the latest edition of the Building Code of America (BCA) and the International Building Code (IBC) for all applicable code requirements. Trusses shall be installed in accordance with the manufacturer's instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint and web bracing shall have bracing installed per BCSC sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order Details, unless noted otherwise. Refer to drawings 160A-2 For standard plate positions. A seal on the bottom chord of the truss, indicating the acceptance of professional engineering structure, shall be provided for the truss. The seal shall be provided by the manufacturer of the truss. The responsibility of the Building Designer per ANSI/P1 1 Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; P1: www.p1inst.org; NCA: www.ncaindustry.com; EC2: www.ec2safe.org

TC LL	20.0	PSF	REF	R487--	51119
TC DL	10.0	PSF	DATE	01/23/12	
BC DL	10.0	PSF	DRW	HCSR487	12023015
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	264347	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U1Y487	Z01



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Top chord 2x6 SP #2 :B3, B5 2x6 SP #1 Dense:
Bot chord 2x6 SP #2 :W6, W21 2x4 SP #1:
Webs 2x4 SP #3 :W7 2x4 SP #2:

11110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

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

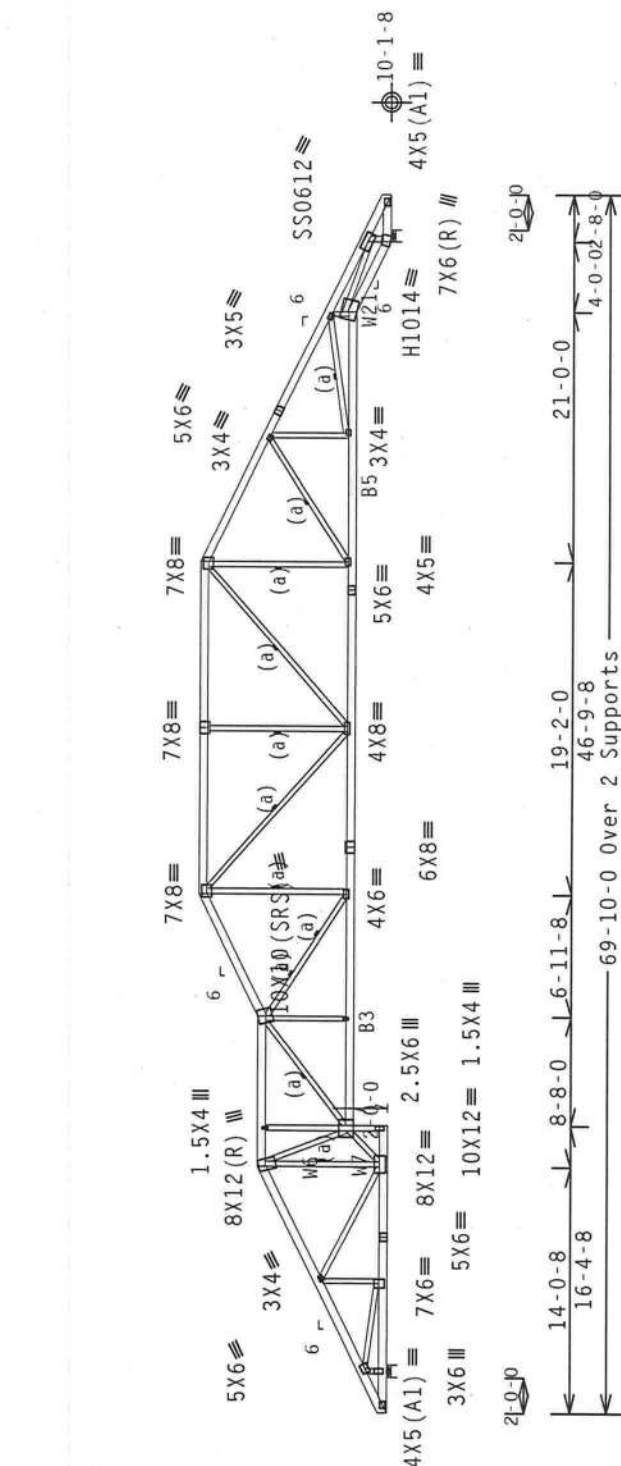
Calculated horizontal deflection is 0.34" due to live load and 0.36" due to dead load.

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

Deflection meets L/240 live and L/180 total load.

WFRS loads based on trusses located at least 31.82 ft. from roof edge.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R=2861 U=0 W=8"
RL=256/-257

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=10%(0%) / 0 (0)

Scale = .09375"/Ft.

TC LL	20.0	PSF	REF R487--	51120
TC DL	10.0	PSF	DATE	01/23/12
BC DL	10.0	PSF	DRW	HCUSR487 12023016
BC LL	0.0	PSF	HC-ENG	DF/DF
TOT.LD.	40.0	PSF	SEGN-	264333
DUR.FAC.	1.25			
SPACING	24.0"		UREF-	1UIV487_Z01

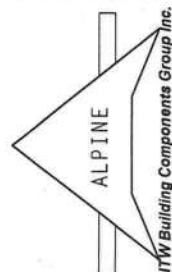


IMPORTANT**

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information for more details. For more information, contact the manufacturer. The following practices prior to performing these functions are recommended for the safety of the structure. The following items are noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter ceiling. Loadings shown for permanent lateral restraint of the truss shall have bracing installed per IBC's sections B3, B7 or B10, as applicable.

LIT Building Components Group Inc. (LITBGC) shall not be responsible for any deviation from the design shown on drawings 100A-1 through 100A-6 or drawings 100B-1 through 100B-6, or any failure to build the truss in accordance with ANSI/TPI 1 or, for handling, shipping, installation or erection of the truss, apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100A-2 For standard plate positions. A seal on the 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 Responsibility, LITBGC.com; www.litbgc.com; lit@ltpi.net; NIAA, www.niaa.org; www.hesconline.com



Haines City, FL 33844
FL COA #0 278

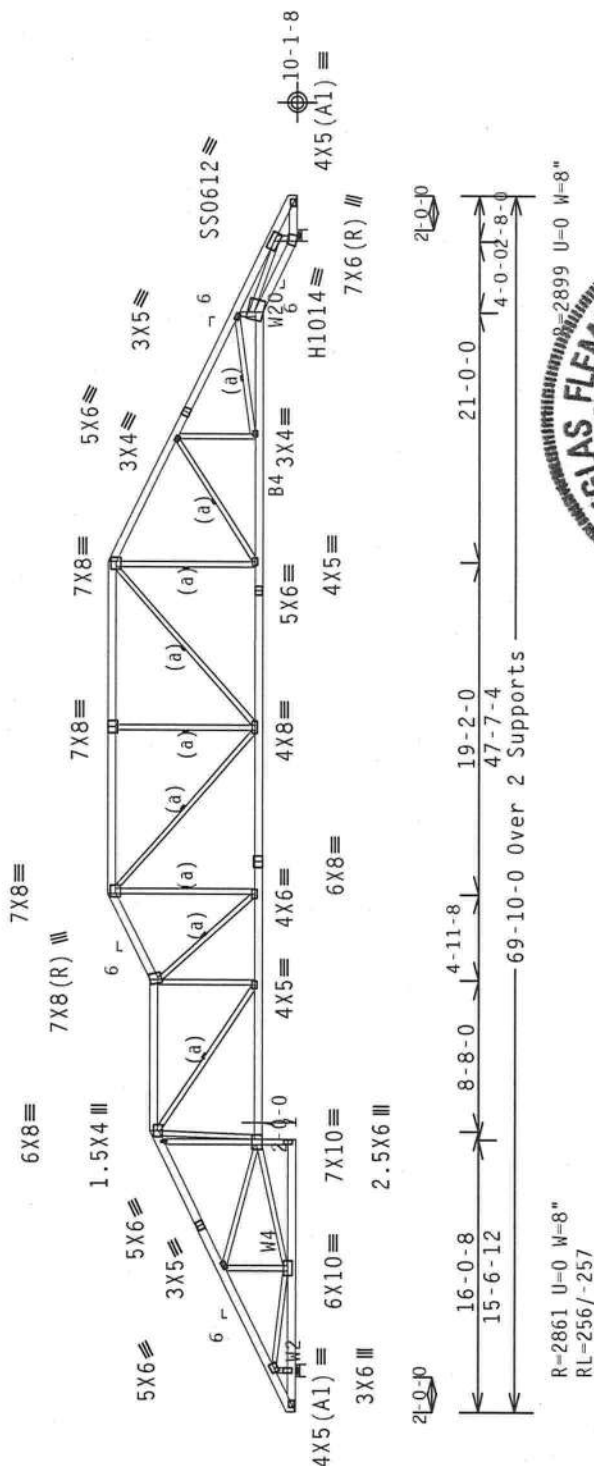
1110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CL0SED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+)=0.18

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

(a) Continuous lateral bracing equally spaced on member.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



PLT TYP. 20 Gauge HS.18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=10%(0%) / 0 (0)

FL/-/4/-/-/R/-
Scale = .09375"/Ft.

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

TC LL	20.0 PSF	REF	R487--	51121
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DATE	01/23/12
DRW	HCUSR487 12023017
HC-ENG	DF/DF
SEQN-	264309
OT.LD.	40.0 PSF
OUR.FAC.	1.25
SPACING	24.0"
JREF-	1UIY487 Z01

To find out more about the Florida Professional Engineer exam, visit www.flsenate.gov/legistics.
 The exam is scheduled for **07/23/2012**.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Specification by IPI and NCSA) for details and instructions for proper use of these products. Trussing practices prior to performing these functions. Installers shall provide temporary bracing for all trusses unless otherwise noted. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

IPI Building Components Group Inc. (IIBCGO) shall not be responsible for any deviation from this specification or any failure to build the Truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A Seal drawing or cover 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. Refer to drawings 1600-1, 1600-2, 1600-3, 1600-4, 1600-5, 1600-6, 1600-7, 1600-8, 1600-9, 1600-10, 1600-11, 1600-12, 1600-13, 1600-14, 1600-15, 1600-16, 1600-17, 1600-18, 1600-19, 1600-20, 1600-21, 1600-22, 1600-23, 1600-24, 1600-25, 1600-26, 1600-27, 1600-28, 1600-29, 1600-30, 1600-31, 1600-32, 1600-33, 1600-34, 1600-35, 1600-36, 1600-37, 1600-38, 1600-39, 1600-40, 1600-41, 1600-42, 1600-43, 1600-44, 1600-45, 1600-46, 1600-47, 1600-48, 1600-49, 1600-50, 1600-51, 1600-52, 1600-53, 1600-54, 1600-55, 1600-56, 1600-57, 1600-58, 1600-59, 1600-60, 1600-61, 1600-62, 1600-63, 1600-64, 1600-65, 1600-66, 1600-67, 1600-68, 1600-69, 1600-70, 1600-71, 1600-72, 1600-73, 1600-74, 1600-75, 1600-76, 1600-77, 1600-78, 1600-79, 1600-80, 1600-81, 1600-82, 1600-83, 1600-84, 1600-85, 1600-86, 1600-87, 1600-88, 1600-89, 1600-90, 1600-91, 1600-92, 1600-93, 1600-94, 1600-95, 1600-96, 1600-97, 1600-98, 1600-99, 1600-100, 1600-101, 1600-102, 1600-103, 1600-104, 1600-105, 1600-106, 1600-107, 1600-108, 1600-109, 1600-110, 1600-111, 1600-112, 1600-113, 1600-114, 1600-115, 1600-116, 1600-117, 1600-118, 1600-119, 1600-120, 1600-121, 1600-122, 1600-123, 1600-124, 1600-125, 1600-126, 1600-127, 1600-128, 1600-129, 1600-130, 1600-131, 1600-132, 1600-133, 1600-134, 1600-135, 1600-136, 1600-137, 1600-138, 1600-139, 1600-140, 1600-141, 1600-142, 1600-143, 1600-144, 1600-145, 1600-146, 1600-147, 1600-148, 1600-149, 1600-150, 1600-151, 1600-152, 1600-153, 1600-154, 1600-155, 1600-156, 1600-157, 1600-158, 1600-159, 1600-160, 1600-161, 1600-162, 1600-163, 1600-164, 1600-165, 1600-166, 1600-167, 1600-168, 1600-169, 1600-170, 1600-171, 1600-172, 1600-173, 1600-174, 1600-175, 1600-176, 1600-177, 1600-178, 1600-179, 1600-180, 1600-181, 1600-182, 1600-183, 1600-184, 1600-185, 1600-186, 1600-187, 1600-188, 1600-189, 1600-190, 1600-191, 1600-192, 1600-193, 1600-194, 1600-195, 1600-196, 1600-197, 1600-198, 1600-199, 1600-200, 1600-201, 1600-202, 1600-203, 1600-204, 1600-205, 1600-206, 1600-207, 1600-208, 1600-209, 1600-210, 1600-211, 1600-212, 1600-213, 1600-214, 1600-215, 1600-216, 1600-217, 1600-218, 1600-219, 1600-220, 1600-221, 1600-222, 1600-223, 1600-224, 1600-225, 1600-226, 1600-227, 1600-228, 1600-229, 1600-230, 1600-231, 1600-232, 1600-233, 1600-234, 1600-235, 1600-236, 1600-237, 1600-238, 1600-239, 1600-240, 1600-241, 1600-242, 1600-243, 1600-244, 1600-245, 1600-246, 1600-247, 1600-248, 1600-249, 1600-250, 1600-251, 1600-252, 1600-253, 1600-254, 1600-255, 1600-256, 1600-257, 1600-258, 1600-259, 1600-260, 1600-261, 1600-262, 1600-263, 1600-264, 1600-265, 1600-266, 1600-267, 1600-268, 1600-269, 1600-270, 1600-271, 1600-272, 1600-273, 1600-274, 1600-275, 1600-276, 1600-277, 1600-278, 1600-279, 1600-280, 1600-281, 1600-282, 1600-283, 1600-284, 1600-285, 1600-286, 1600-287, 1600-288, 1600-289, 1600-290, 1600-291, 1600-292, 1600-293, 1600-294, 1600-295, 1600-296, 1600-297, 1600-298, 1600-299, 1600-300, 1600-301, 1600-302, 1600-303, 1600-304, 1600-305, 1600-306, 1600-307, 1600-308, 1600-309, 1600-310, 1600-311, 1600-312, 1600-313, 1600-314, 1600-315, 1600-316, 1600-317, 1600-318, 1600-319, 1600-320, 1600-321, 1600-322, 1600-323, 1600-324, 1600-325, 1600-326, 1600-327, 1600-328, 1600-329, 1600-330, 1600-331, 1600-332, 1600-333, 1600-334, 1600-335, 1600-336, 1600-337, 1600-338, 1600-339, 1600-340, 1600-341, 1600-342, 1600-343, 1600-344, 1600-345, 1600-346, 1600-347, 1600-348, 1600-349, 1600-350, 1600-351, 1600-352, 1600-353, 1600-354, 1600-355, 1600-356, 1600-357, 1600-358, 1600-359, 1600-360, 1600-361, 1600-362, 1600-363, 1600-364, 1600-365, 1600-366, 1600-367, 1600-368, 1600-369, 1600-370, 1600-371, 1600-372, 1600-373, 1600-374, 1600-375, 1600-376, 1600-377, 1600-378, 1600-379, 1600-380, 1600-381, 1600-382, 1600-383, 1600-384, 1600-385, 1600-386, 1600-387, 1600-388, 1600-389, 1600-390, 1600-391, 1600-392, 1600-393, 1600-394



ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 Tel. 800 451-4278

Top chord 2x6 SP #2
Bot chord 2x6 SP #2 :B1, B2, B3 2x6 SP SS:
:B6 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W3, W4 2x4 SP #2:
:W21 2x4 SP #1:

Left and right cantilevers are exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

MMWFRS loads based on trusses located at least 31.82 ft. from roof edge.

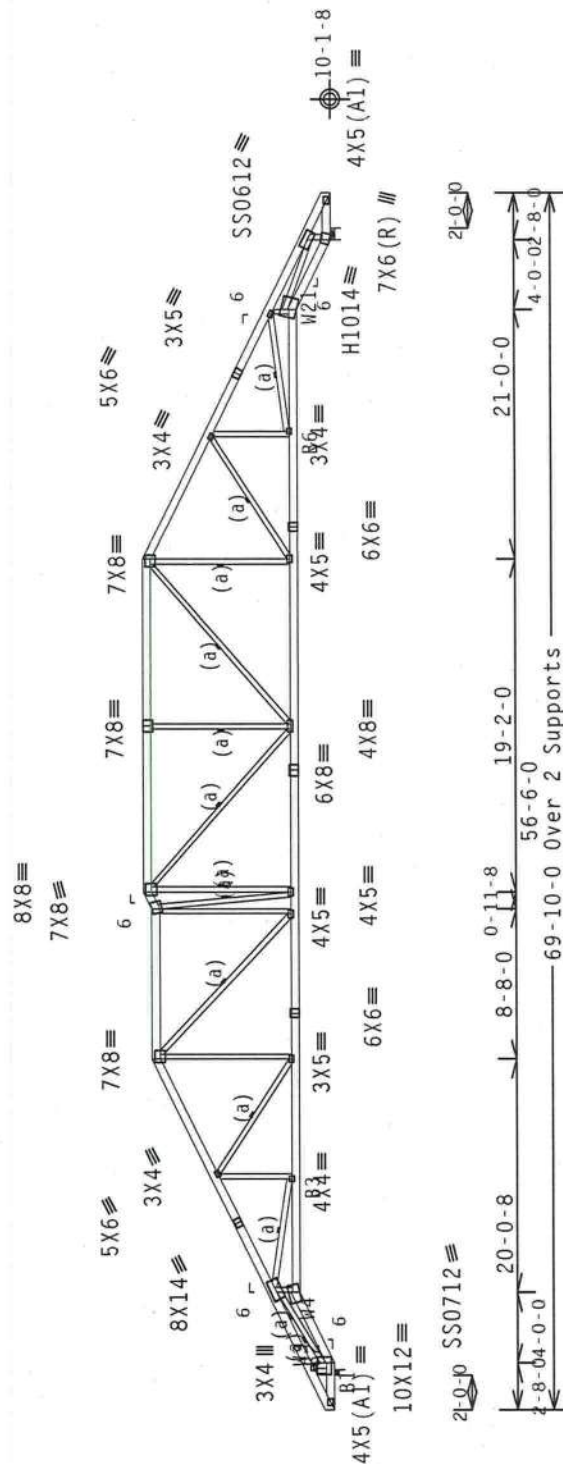
110 mph wind, 15.91 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

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

Calculated horizontal deflection is 0.43" due to live load and 0.45" due to dead load.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R=2862 U=0 W=3.5"
RL=245/-246

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=10%(0%) / 0(0)

Scale = .09375" / Ft.

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

~~3.16 QTY:~~

0.04 0.04 0.04

BC200/RES/IFI-2002
FT/RT=10%(0%)/0(0)

Design Crit:

3 Gauge HS,

• 20 Gauge HS,
Wave

PL 174

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following latest edition of BCSI Building Component Safety Information, by TPI and NICA for the practices prior to performing these functions. Installers shall provide temporary bracing per specifications noted otherwise attached to drawings. Locations shown for permanent lateral restraint only shall be attached rigid ceiling. Locations shown for permanent lateral restraint only shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

TPI Building Components Group Inc. (TIBCOG) shall not be responsible for any deviation from this design or any failures to build the truss in accordance with ANSI/APA 11, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering structure is responsibility solely for the design shown. The liability and use of this professional engineering structure is the responsibility of the user. For more information see: ANSI/APA 11 Seal and information use: This job's general notes page; TIB-BCSI: www.tibcoy.com; TPI: www.tpinet.org; NICA: www.bcsiindustry.com; www.160aapp.org

STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/23/2012

TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

DATE	01/23/12
DRW	HCUSR487 12023019
HC - ENG	DF/DF
SEQN -	264401
JREF -	1UIY487_Z01



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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @12.00" 0.C.

Webs : 1 Row @ 4" o.c.

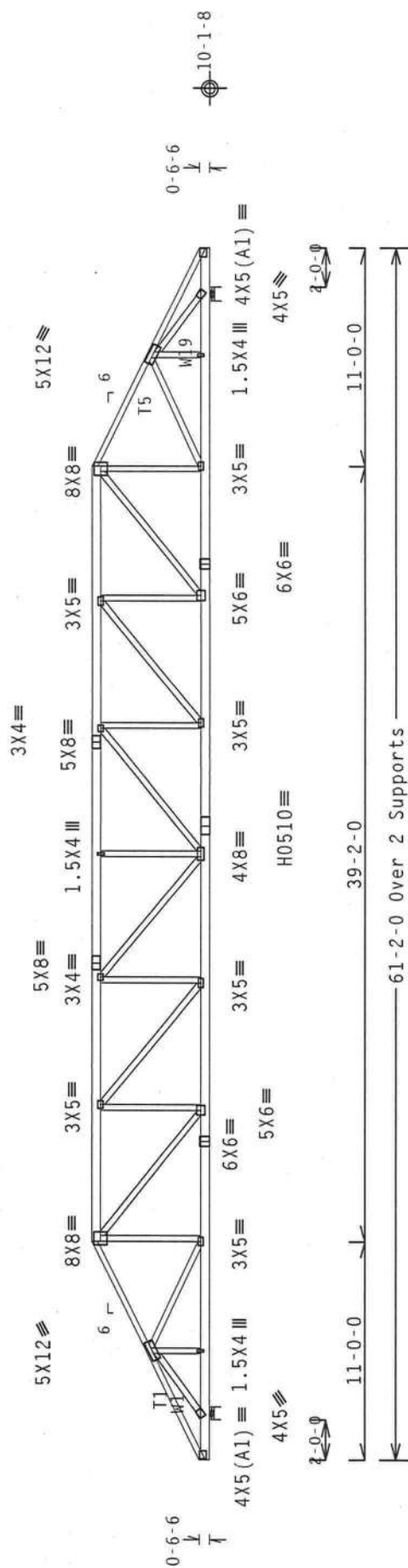
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Left and right cantilevers are exposed to wind

#1 hip supports 11-0-0 jacks W/2 panel TC and no end vert.

Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R=6152 II=554 W=8"

R=6152 I=554 W=8"

PLT TYP. 20 Gauge HS. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

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

Scale = .125"/Ft.

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

Tusses require extra care in fabricating, handling, shipping, installing and bracing. Please refer to and follow the latest edition of BCSP (Building Component Safety Information, by IP1 and WICA) practices and specifications pertaining to performing these functions. Installers shall provide temporary bracing per applicable codes and standards. The manufacturer's instructions shall be followed. The manufacturer's instructions shall have a properly attached rigid steel plate or label indicating the required bracing details. The label shall have Bracing installed per BCSP sections L33, R7 or R10, as applicable.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

FLORIDA PROFESSIONAL ENGINEER
01/23/2012

Haines City, FL 33844
FL COA #0278

2012/01/23

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - H138)

Top chord 2x6 SP #2 :11, 16 2x4 SP #1:

Bot chord 2x6 SP #2

Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

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

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

Deflection meets L/240 live and L/180 total load.

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

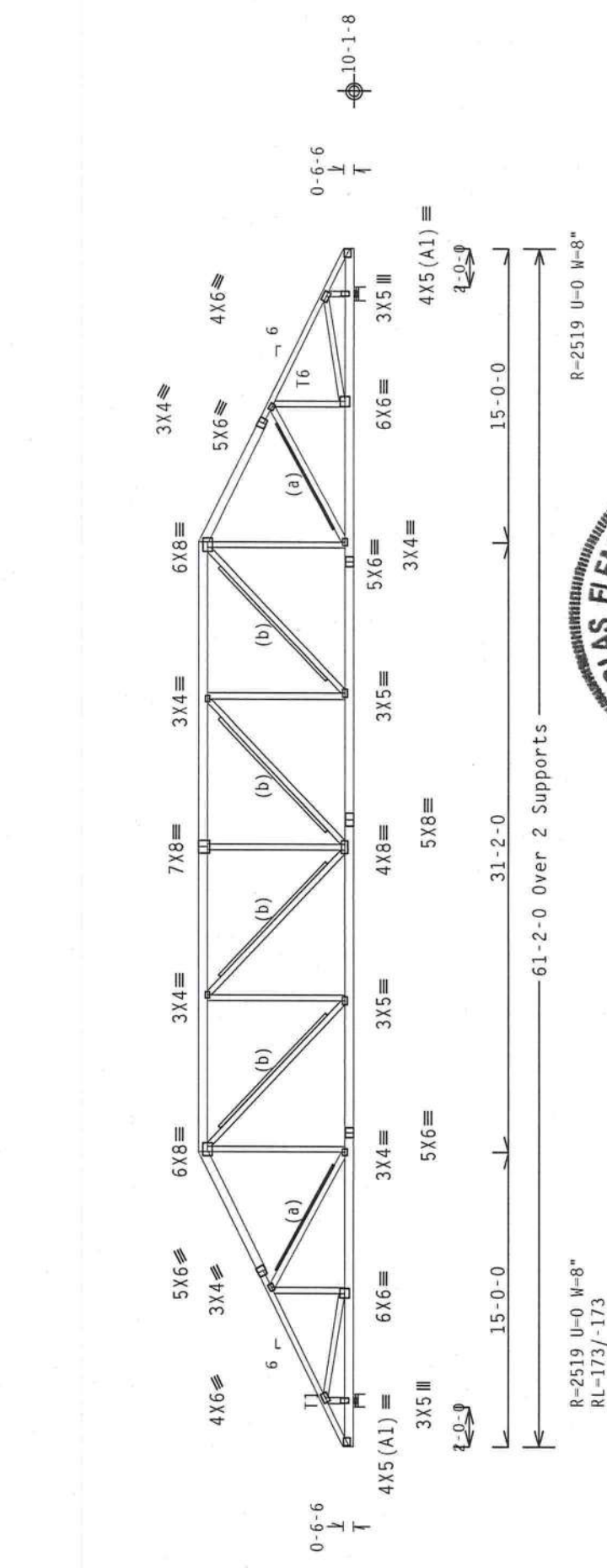
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl (+/-)=0.18

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

(b) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .125"/Ft.



REF	R487--	51130
DATE	01/23/12	
DRW	HCUSR487	12023026
HC-ENG	DF/DF	
SEQN	262367	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UIY487_Z01	

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter bracing. Sections shown or permitted lateral restraint for webs shall have bracing installed per BCSI sections B1, B2 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown on this drawing. The user of this drawing is responsible for verifying the accuracy of the design and for obtaining all necessary permits and approvals. Refer to drawings 160A-2 for standard plate positions. A seal 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: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - H17B)

Top chord 2x6 SP #2 :11, T6 2x4 SP #1:

Bot chord 2x6 SP #2

Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

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

(c) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

110 mph wind, 15.41 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI (+/-)-0.18

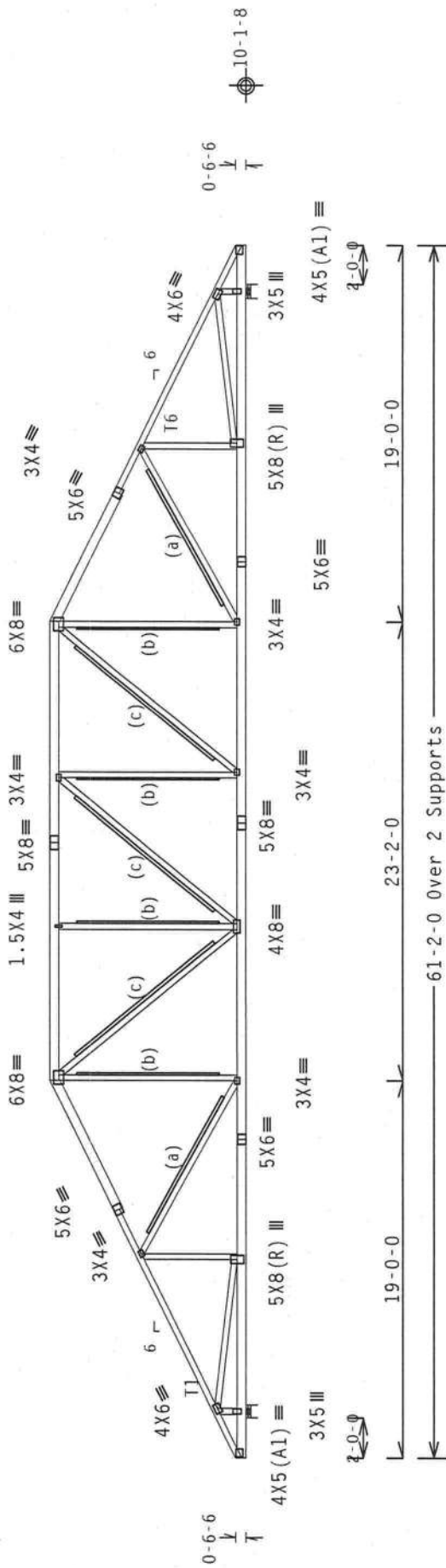
Wind loads and reactions based on MWFRS with additional C&C member design.

(a) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 15.41 ft. from roof edge.



R-2519 U-0 W-8"
RL=220/-220

61'-2" Over 2 Supports

R-2519 U-0 W-8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/ft.

FL/-/4/-/R/-

QTY

10.0.04.0602.16

REF

DATE

DRW

HC-ENG

SEQN

JREF

10/23/12

12023028

DF/DF

262397

1UIY487_Z01



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

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - B1)

Top chord 2x6 SP #2 :T1, T6 2x4 SP #1:
Bot chord 2x6 SP #2 :B3 2x6 SP M-26:
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

(a) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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.

MWFRS loads based on trusses located at least 31.82 ft. from roof edge.

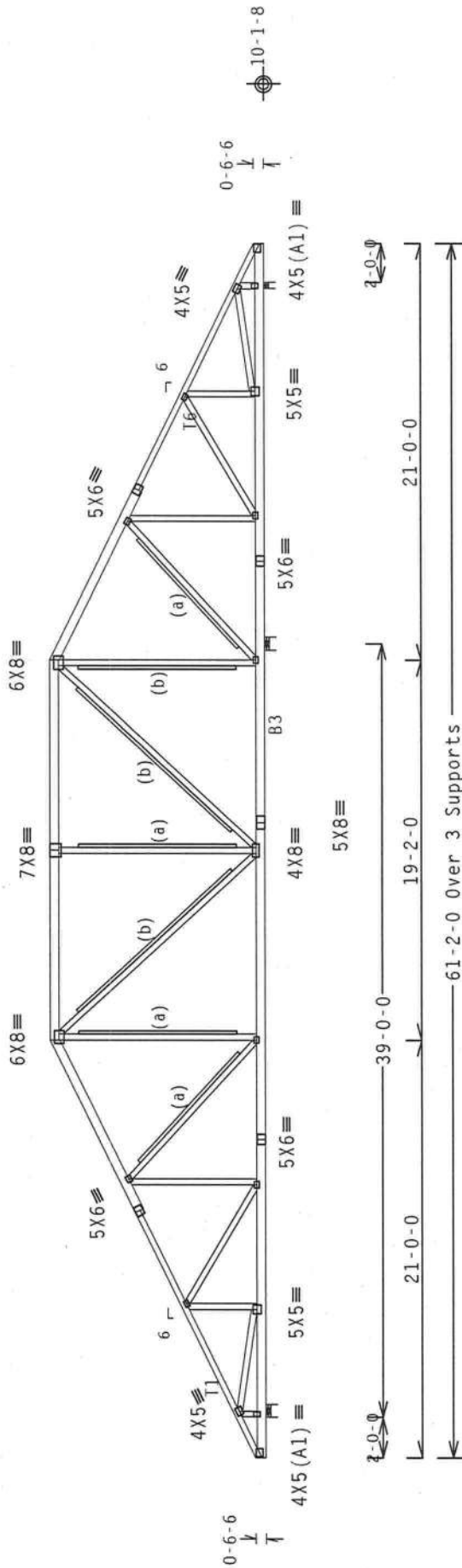
110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpl(+/-)=0.18

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

(b) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R-2102 U=0 W=8"
RL=245/-245

R-1221 U=0 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/Ft.

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

TY: 10.00 04 0603 18

No. 06648

10.00 04 0603 18

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ALPINE

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Haines City, FL 33844
FL COA #0278



10.00 04 0603 18

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10.00 04 0603 18

(12-010--F11) in later BRYAN ZECHER/NEELY -- , ** - B2)

Top chord 2x6 SP #2 :T1, T6 2x4 SP #1:

Bot chord 2x6 SP #2

Webs 2x4 SP #3

Right cantilever is exposed to wind

(H1) = (J) Hanger not calculated (2)2x6 SP #2 supporting member.

(a) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

(c) 2x8 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 31.82 ft. from roof edge.

110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18

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

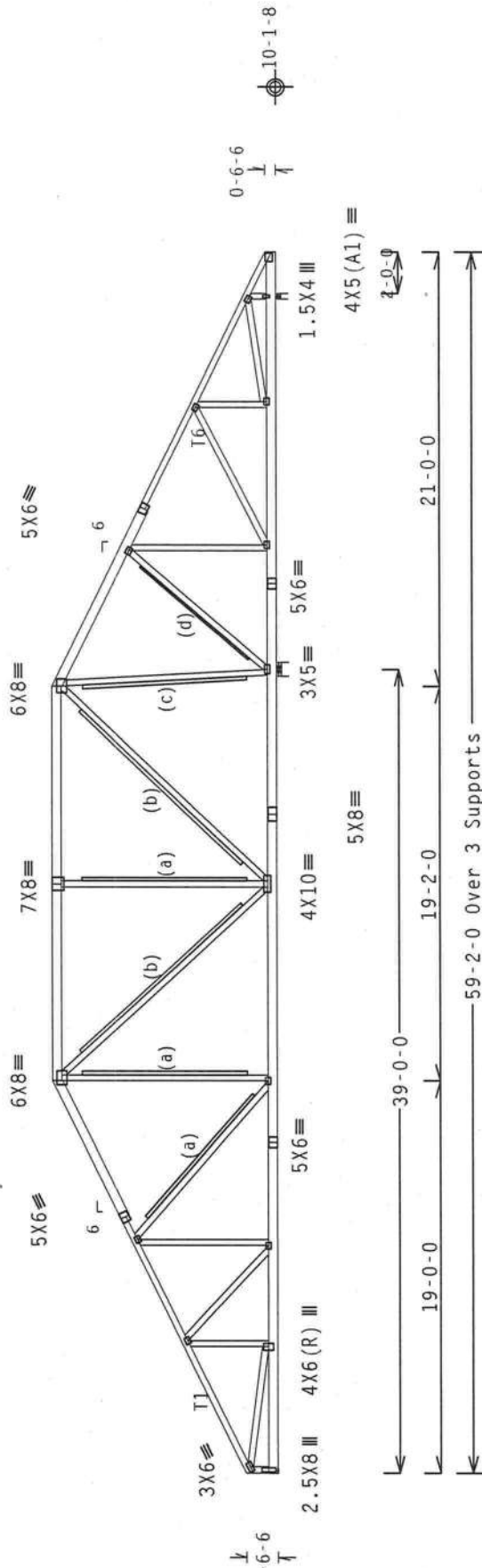
(d) 1x4 #3SR8 SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(b) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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.

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



R-1647 U=0
RL-228/-236

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale = .125"/Ft.

R-596 U=26 W=3.5"



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 WICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per details, unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B5-B7 or B10, as applicable.

IW Building Components Group Inc. (IWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. 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; ITH-800: www.ithbcg.com; TPI: www.tpinet.org; WICA: www.bcsiindustry.com; ICC: www.iccsafe.org

ALPINE

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

TC LL	20.0 PSF	FL/- /4/- /-R/-	Scale = .125"/Ft.
TC DL	10.0 PSF	REF R487--	51135
BC DL	10.0 PSF	DATE	01/23/12
BC LL	0.0 PSF	DRW	HCSR487 12023031
TOT.LD.	40.0 PSF	HC-ENG	DF/DF
DUR.FAC.	1.25	SEQN-	264144
SPACING	24.0"	JREF-	1UIY487_Z01

(12-010--Fill) in later BRYAN ZECHER/NEELY -- ** - BL1)

Top chord 2x6 SP #2 :11 2x4 SP #1:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

MMFRS loads based on trusses located at least 15.91 ft. from roof edge.

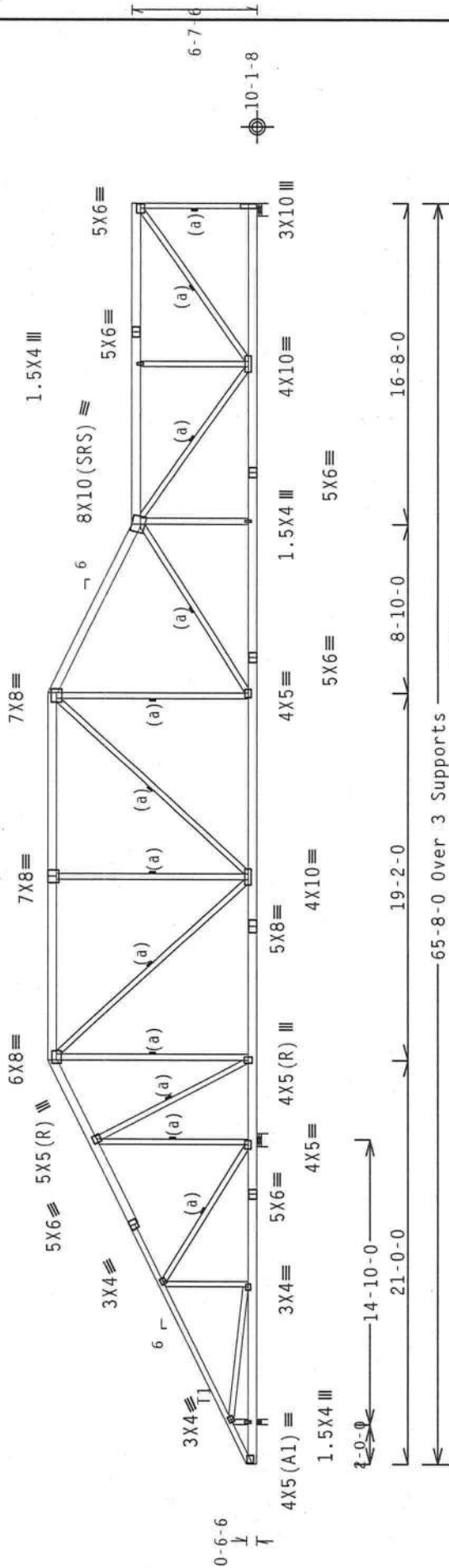
110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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

Right end vertical not exposed to wind pressure.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R-327 U=11 W=3.5"
RL=198/-151

R-3195 U=0 W=8"

R-1887 U=57 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/Ft.

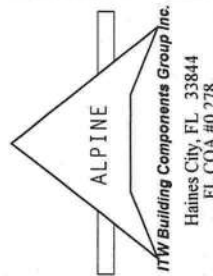
PLT TYP. Wave	FL/-/4/-/-/R/-	TC LL	20.0 PSF	REF	R487--	51136
		TC DL	10.0 PSF	DATE	01/23/12	
		BC DL	10.0 PSF	DRW	HCUSR487	12023032
		BC LL	0.0 PSF	HC-ENG	DF/DF	
		TOT.LD.	40.0 PSF	SEQN-	262475	
		DUR.FAC.	1.25			
		SPACING	24.0"	JREF-	1UIY487_Z01	



****IMPORTANT**** 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 NICA) for practices prior to performing these functions. Installers shall provide temporary bracing per local. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 9.1, 9.2 or 9.3, as applicable.

IW Building Components Group Inc. (IWBCG) shall not be responsible for any deviation from this design. Failure to build the truss in accordance with this design, or for loading, shipping, installation, or any other reason, shall be the responsibility of the contractor. A seal on the 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: ITH-BCG: www.ithbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



Top chord	2x6	SP #2	: T1	2x4	SP #1:

top chord 2x6
bot chord 2x6

Mebs 2x4 SP #3

WEDS 4Y7 3C #3

Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

WFRS loads based on trusses located at least 31.82 ft. from roof edge.

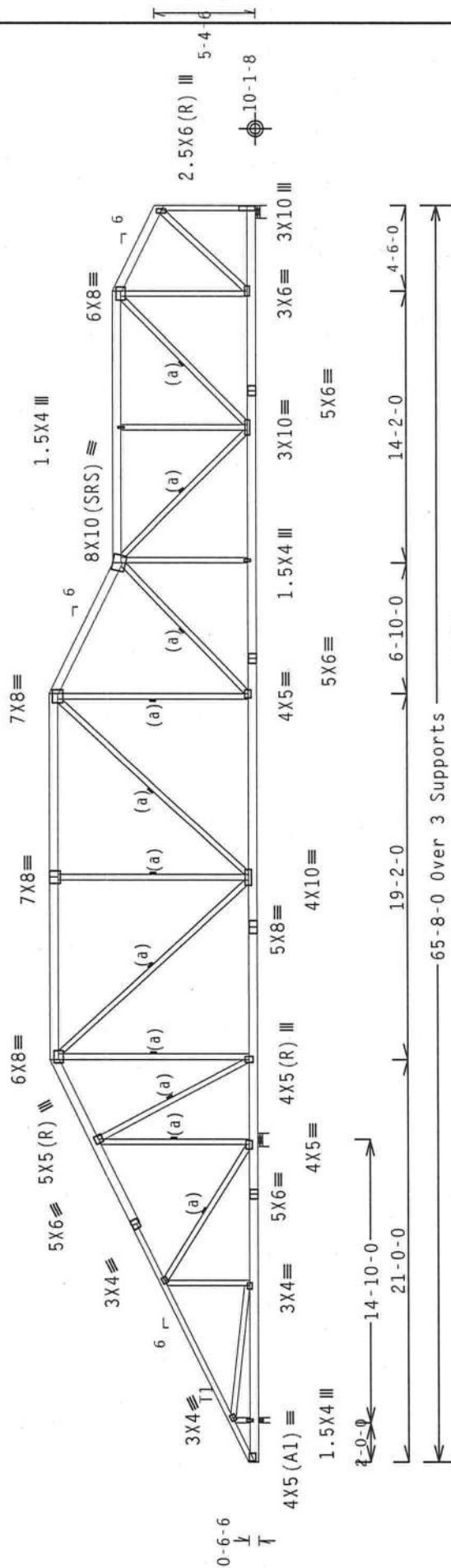
110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)-0.18

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.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R=429 11=0 W=3 5"

RI=208/-169

R=3062 H=0 W=8"

65-8-0 Over 3 Supports

R=1917 H=0 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

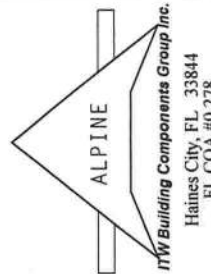
FL/-/4/-/-/R/-/
Scale =.125"/Ft.

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

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

Grosses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by IPT and NICA) for details regarding proper bracing methods. Installers shall provide temporary bracing per BCSP. If temporary bracing is not used, all other bracing must be provided by the contractor. All bracing shall have a properly attached structural sheathing and bottom chord. The contractor shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall have bracing installed per BCSP sections B3, B7 and B8, as applicable.

LTV Building Components Group Inc. (LVBEC) shall not be responsible for any deviation from the design shown on drawings or specifications, or any failure to build the truss in accordance with ANSI/TPI-1, or for handling, shipping, installation, or packaging of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail Drawing. The manufacturer of the plates must be approved by LVBEC's sales representatives, unless noted otherwise. Refer to drawings T60A-2 for standard plate positions. A seal on the bottom flange of the top chord members is required for all designs. Sealant must be applied to the drawing or cover 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. LVBEC, 8700 S.W. 155th Ave., Suite 200, Miami, FL 33193. This job # is 1000000000. LVBEC web site: www.lvbec.com; TPI: www.tpi.net; NCA: www.nca-industry.com.



TC LL	20.0	PSF	REF R487--	51137
TC DL	10.0	PSF	DATE	01/23/12
BC DL	10.0	PSF	DRW	HCUSR487 12023033
BC LL	0.0	PSF	HC-ENG	DF/DF
TOT.LD.	40.0	PSF	SEQN-	262490
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UIV487_Z01

(12-010--F111 in later BRYAN ZECHER/NEELY -- , ** - BL3)

Top chord 2x6 SP #2 :T1 2x4 SP #1:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 31.82 ft. from roof edge.

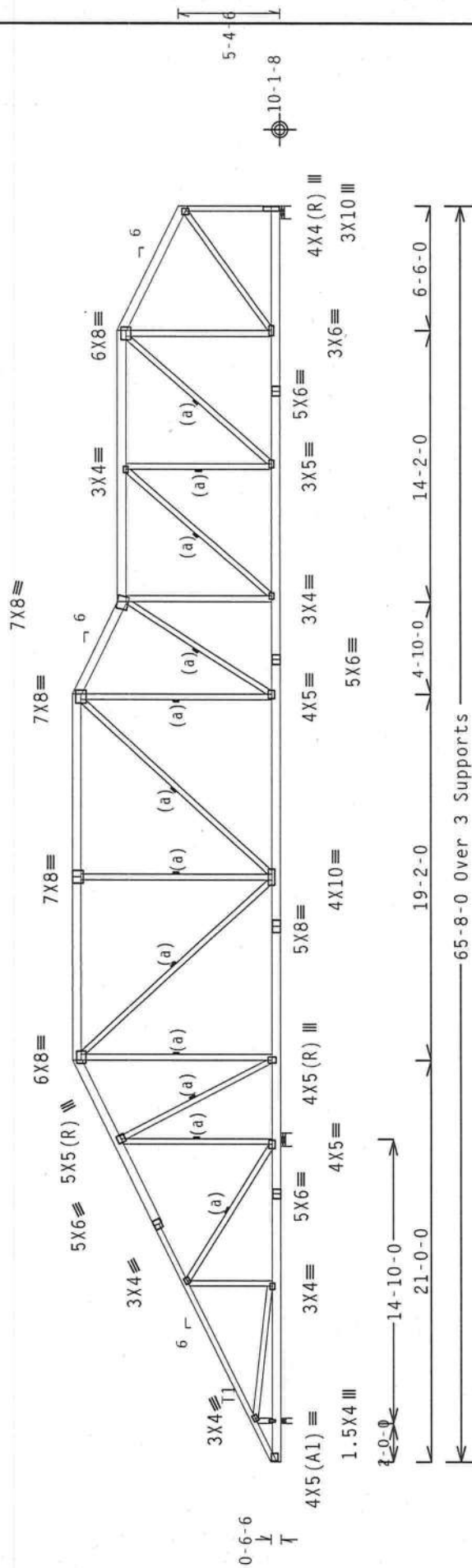
110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

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.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R-464 U=0 W=3.5"
RL=208/-169

R=3018 U=0 W=8"

R=1927 U=0 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125" / Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	No. 66848 STATE OF FLORIDA PROFESSIONAL ENGINEER 10.08.04.0602.13		QTY 1	FL / - / 4 / - / R / -	TC LL	20.0 PSF	REF R487 - - 51138
					TC DL	10.0 PSF	DATE 01/23/12
					BC DL	10.0 PSF	DRW HCUR487 12023034
					BC LL	0.0 PSF	HC-ENG DF/DF
					TOT.LD.	40.0 PSF	SEQN- 262503
					DUR.FAC.	1.25	JREF- 1UIY487_Z01
SPACING 24.0"							

	SP #1	SP #2	SP #3	SP #4	SP #5	SP #6	SP #7	SP #8	SP #9	SP #10	SP #11	SP #12	SP #13	SP #14	SP #15	SP #16	SP #17	SP #18	SP #19	SP #20	SP #21	SP #22	SP #23	SP #24	SP #25	SP #26	SP #27	SP #28	SP #29	SP #30	SP #31	SP #32	SP #33	SP #34	SP #35	SP #36	SP #37	SP #38	SP #39	SP #40	SP #41	SP #42	SP #43	SP #44	SP #45	SP #46	SP #47	SP #48	SP #49	SP #50	SP #51	SP #52	SP #53	SP #54	SP #55	SP #56	SP #57	SP #58	SP #59	SP #60	SP #61	SP #62	SP #63	SP #64	SP #65	SP #66	SP #67	SP #68	SP #69	SP #70	SP #71	SP #72	SP #73	SP #74	SP #75	SP #76	SP #77	SP #78	SP #79	SP #80	SP #81	SP #82	SP #83	SP #84	SP #85	SP #86	SP #87	SP #88	SP #89	SP #90	SP #91	SP #92	SP #93	SP #94	SP #95	SP #96	SP #97	SP #98	SP #99	SP #100	SP #101	SP #102	SP #103	SP #104	SP #105	SP #106	SP #107	SP #108	SP #109	SP #110	SP #111	SP #112	SP #113	SP #114	SP #115	SP #116	SP #117	SP #118	SP #119	SP #120	SP #121	SP #122	SP #123	SP #124	SP #125	SP #126	SP #127	SP #128	SP #129	SP #130	SP #131	SP #132	SP #133	SP #134	SP #135	SP #136	SP #137	SP #138	SP #139	SP #140	SP #141	SP #142	SP #143	SP #144	SP #145	SP #146	SP #147	SP #148	SP #149	SP #150	SP #151	SP #152	SP #153	SP #154	SP #155	SP #156	SP #157	SP #158	SP #159	SP #160	SP #161	SP #162	SP #163	SP #164	SP #165	SP #166	SP #167	SP #168	SP #169	SP #170	SP #171	SP #172	SP #173	SP #174	SP #175	SP #176	SP #177	SP #178	SP #179	SP #180	SP #181	SP #182	SP #183	SP #184	SP #185	SP #186	SP #187	SP #188	SP #189	SP #190	SP #191	SP #192	SP #193	SP #194	SP #195	SP #196	SP #197	SP #198	SP #199	SP #200	SP #201	SP #202	SP #203	SP #204	SP #205	SP #206	SP #207	SP #208	SP #209	SP #210	SP #211	SP #212	SP #213	SP #214	SP #215	SP #216	SP #217	SP #218	SP #219	SP #220	SP #221	SP #222	SP #223	SP #224	SP #225	SP #226	SP #227	SP #228	SP #229	SP #230	SP #231	SP #232	SP #233	SP #234	SP #235	SP #236	SP #237	SP #238	SP #239	SP #240	SP #241	SP #242	SP #243	SP #244	SP #245	SP #246	SP #247	SP #248	SP #249	SP #250	SP #251	SP #252	SP #253	SP #254	SP #255	SP #256	SP #257	SP #258	SP #259	SP #260	SP #261	SP #262	SP #263	SP #264	SP #265	SP #266	SP #267	SP #268	SP #269	SP #270	SP #271	SP #272	SP #273	SP #274	SP #275	SP #276	SP #277	SP #278	SP #279	SP #280	SP #281	SP #282	SP #283	SP #284	SP #285	SP #286	SP #287	SP #288	SP #289	SP #290	SP #291	SP #292	SP #293	SP #294	SP #295	SP #296	SP #297	SP #298	SP #299	SP #300	SP #301	SP #302	SP #303	SP #304	SP #305	SP #306	SP #307	SP #308	SP #309	SP #310	SP #311	SP #312	SP #313	SP #314	SP #315	SP #316	SP #317	SP #318	SP #319	SP #320	SP #321	SP #322	SP #323	SP #324	SP #325	SP #326	SP #327	SP #328	SP #329	SP #330	SP #331	SP #332	SP #333	SP #334	SP #335	SP #336	SP #337	SP #338	SP #339	SP #340	SP #341	SP #342	SP #343	SP #344	SP #345	SP #346	SP #347	SP #348	SP #349	SP #350	SP #351	SP #352	SP #353	SP #354	SP #355	SP #356	SP #357	SP #358	SP #359	SP #360	SP #361	SP #362	SP #363	SP #364	SP #365	SP #366	SP #367	SP #368	SP #369	SP #370	SP #371	SP #372	SP #373	SP #374	SP #375	SP #376	SP #377	SP #378	SP #379	SP #380	SP #381	SP #382	SP #383	SP #384	SP #385	SP #386	SP #387	SP #388	SP #389	SP #390	SP #391	SP #392	SP #393	SP #394	SP #395	SP #396	SP #397	SP #398	SP #399	SP #400	SP #401	SP #402	SP #403	SP #404	SP #405	SP #406	SP #407	SP #408	SP #409	SP #410	SP #411	SP #412	SP #413	SP #414	SP #415	SP #416	SP #417	SP #418	SP #419</
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Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

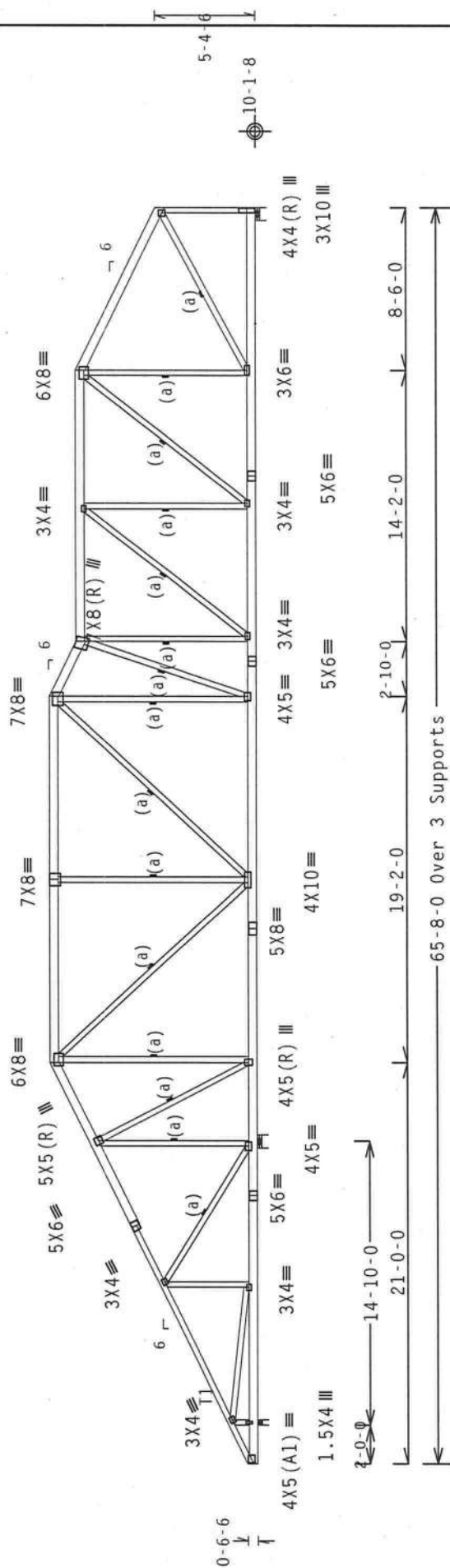
1110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

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.

MMWFRS loads based on trusses located at least 31.82 ft. from roof edge.



R=507 U=0 W=3.5"
RL=208/-169

 $R=2961 \quad I=0 \quad W=8''$

65-8-0 Over 3 Supports

R=1940 U=0 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .125"/Ft.

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

IMPORTANT** FURNISH THIS DESIGN TO ALL COMPANIES 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 NCEA) for details on proper bracing. Trusses shall be braced in accordance with the design and bracing details shown on the drawings. Trusses shall have a properly attached ridge purlin, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint webs shall have bracing installed per BCSI sections 83, B7 or B10, as applicable.

[illegible]

ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

01/23/2012

NG 24 0"

TRFF- 111TY487 701



Top chord 2x6 SP #2 :T1 2x4 SP #1:

Top	chord	2x6	SP	#2
Bot	chord	2x6	SP	#2

Webs 2x4 SP #3

Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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.

WFRS loads based on trusses located at least 31.82 ft. from roof edge.

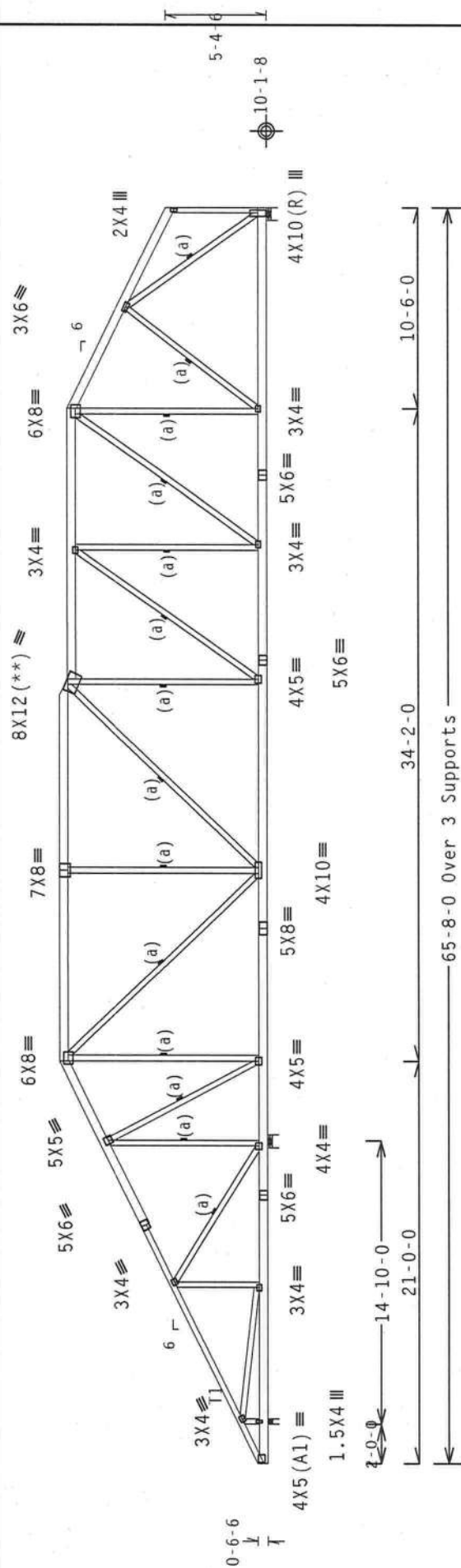
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

11110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CL0SED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC 0L=5.0 psf, wind BC 0L=5.0 psf. $I_w=1.00$ GCpt (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced persons and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R-580 11-0 W-3.5"

RL=205/-164

R=2867 H=0 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/Ft.

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

15-1176

410 66848

TC	11	20	0	PSE
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OFF 0487-- 51140

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

REF	N487	J11474
DATE	01/23/12	
DRW	HCUSR487	120230363

ITW Building Components Group Inc. (IN-806G) will not be responsible for any deviation from the design shown on drawings or specifications. The manufacturer shall not be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, erecting or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal or stamping 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 other than that intended by the building designer per ANSI/TPI 1 Sec.2. For more information see: This drawing was prepared by IN-806G, www.in806g.com; TPI draw: DTDIST-007; IBCA: www.ibcacademy.com.

BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 263028
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIY487 Z01

ITW Building Components Group Inc.

Jaines City, FL 33844

FL COA #0 278

Top chord 2x6 SP #2 : T1, T5 2x4 SP #1:

Bot chord 2x6 SP #2

Webs 2x4 SP #3

Left cantilever is exposed to wind

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

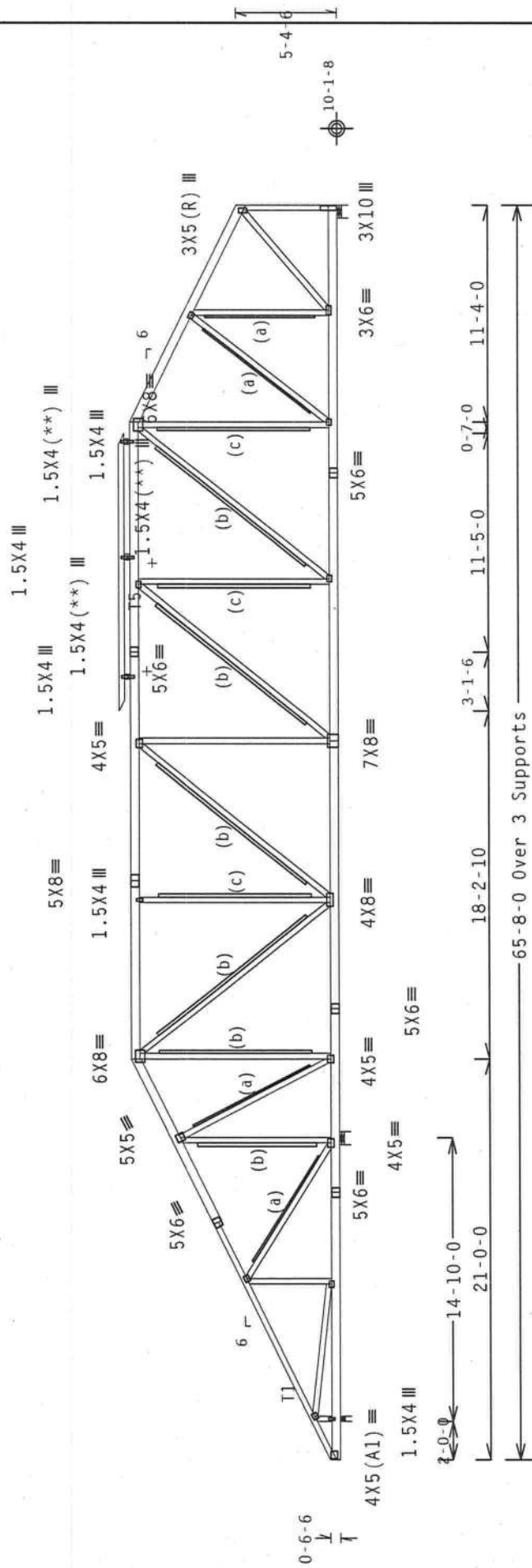
(c) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor.

Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

+LATERALLY BRACE TOP CHORD BELOW FILLER AT 24" O.C. OR RIGID SHEATHING, INCLUDING A LATERAL BRACE AT CHORD ENDS.

 $R=5.81 \quad H=0 \quad W=3.5''$

RI=209/-171

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

Scale = .125"/Ft.

OFF 0407- E11141

REF K48/-- 51141

DATE 01/23/12

0811 HCUISB487 12023037

JRW HCU5R48/ 12023037

HC-ENG DF/DF

SEON- 262813

CT0707 - N030

REF- 111Y487 701

ORDER - 1011487_201

(12-010--Fill) in later BRYAN ZECHER/NEELY -- ** - BL7)

Top chord 2x6 SP #2 :T1 2x4 SP #1:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Left cantilever is exposed to wind

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

(c) 2x4 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 31.82 ft. from roof edge.

110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18

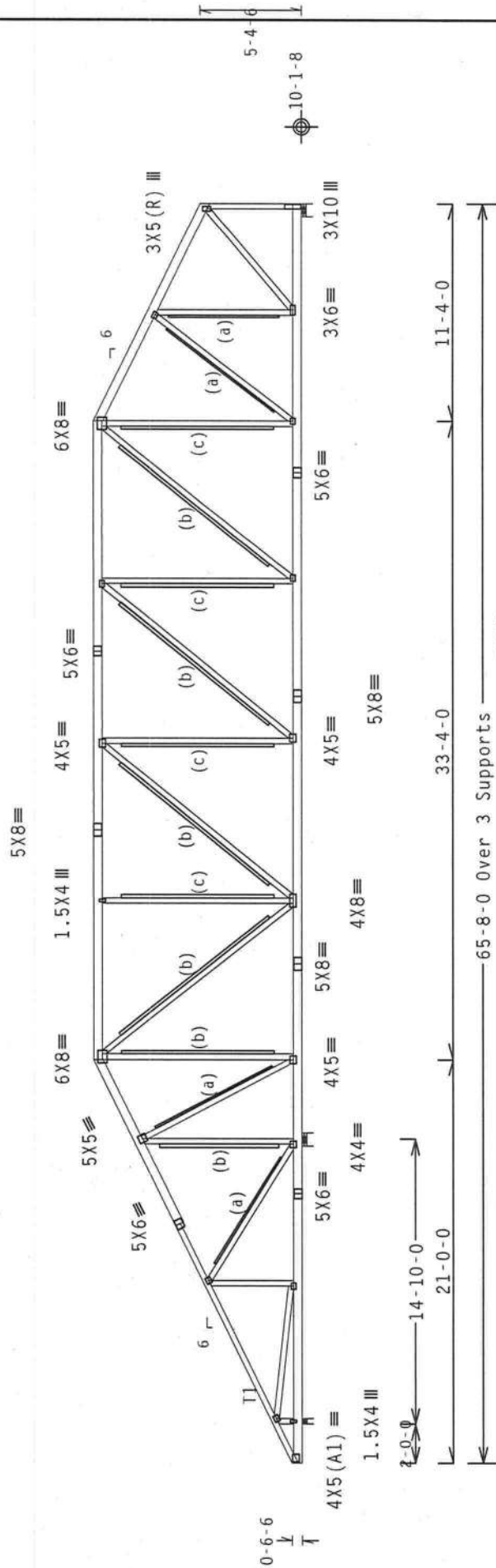
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(b) 2x6 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R-578 U=0 W=3.5"
RL=208/-170

R=2869 U=0 W=8"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/Ft.

FL/-4/-/-R/-

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

REF R487-- 51142

DATE 01/23/12

DRW HCUSR487 12023038

HC-ENG DF/DF

SEQN- 263862

JREF- 1UIY487_Z01

SPACING 24.0"

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

ICC: www.iccsafe.org

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 best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates for each face of top chord and bottom chord and on the joint between top chord and bottom chord. Each face of top chord and bottom chord shall have a plate installed and fastened to the truss. Listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.sciindustry.com

DOUGLAS FLEMING

FLORIDA

PROFESSIONAL ENGINEER

No. 66848

10.04.04 0601.16

10.04.04 0601.16

10.04.04 0601.16

(12-010--Fill) in later BRYAN ZECHER/NEELY -- ** - BL8)

Top chord 2x6 SP #2 : 11 2x4 SP #1:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 : W19 2x6 SP #2:

110 mph wind, 15.92 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ GCpf(+/-)=0.18

Left cantilever is exposed to wind

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

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

Right end vertical not exposed to wind pressure.

(c) 2x4 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

(b) 2x6 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

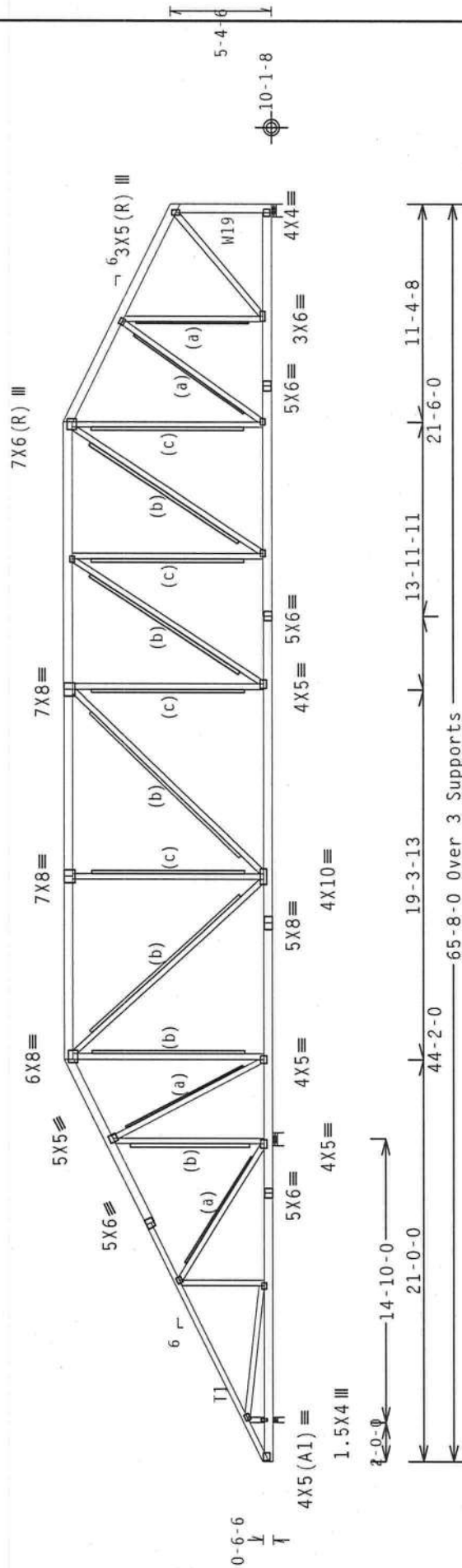
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

MWFRS loads based on trusses located at least 31.84 ft. from roof edge.



R-589 U-0 W-3.5"
RL-208/-171

R-2856 U-49 W-8"

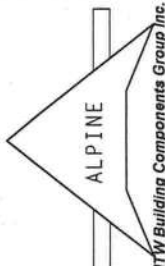
R-1964 U-0 W-8"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

FL/-4/-/-R/- Scale = .125"/Ft.

 ALPINE iW 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. 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 WICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI requirements. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. iW Building Components Group Inc. (iWBCG) shall not be responsible for any deviation from the design of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal 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 drawings and specifications. iW-BCG: www.iwbcg.com; TPI: www.tpiinc.org; WICA: www.bcsiindustry.com; ICC: www.iccsafe.org			
	TC LL	20.0 PSF	REF	R487-- 51143
	TC DL	10.0 PSF	DATE	01/23/12
	BC DL	10.0 PSF	DRW	HCSR487 12023039
	BC LL	0.0 PSF	HC-ENG	DF/DF
	TOT.LD.	40.0 PSF	SEQN-	263925
 DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/23/2012	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	1UIY487_Z01

1110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpt (+/-)=0.18

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

(a) Continuous lateral bracing equally spaced on member.

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

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

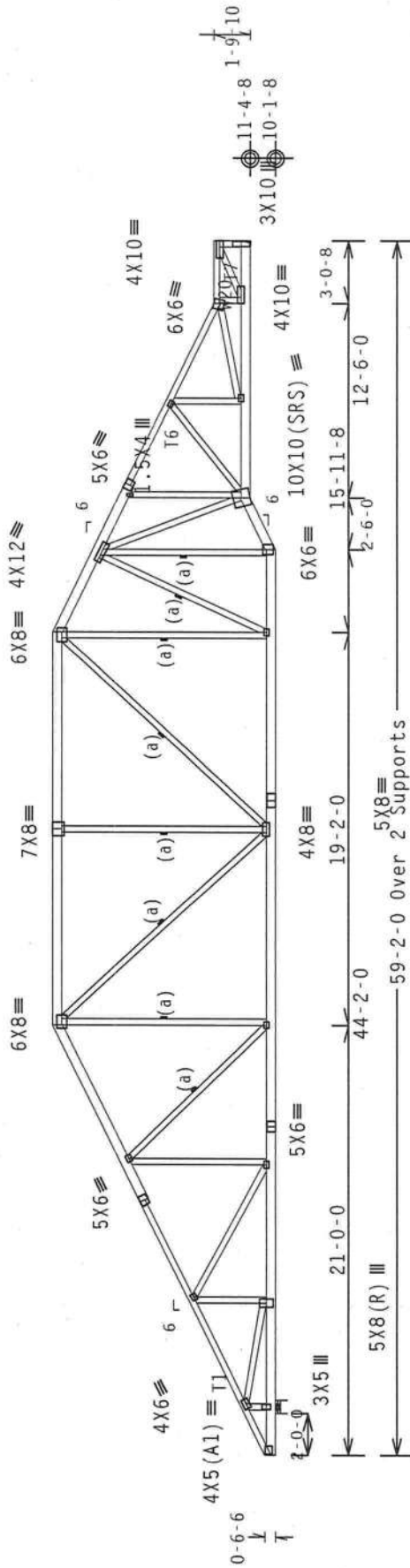
Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 31.82 ft. from roof edge.



R-2538 U=0 W=8"
RL=231/-211

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP.: Wave

FL/-/4/-/-/R/-
Scale = .125"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety) information, by IPI and IMCA for best practices prior to performing these functions. Installers shall provide temporary bracing per approved drawings. Trusses shall have a properly attached rigid ceiling. Locations for permanent lateral restraint shall have bracing installed per BCSP sections B3.87 or B10, as applicable.

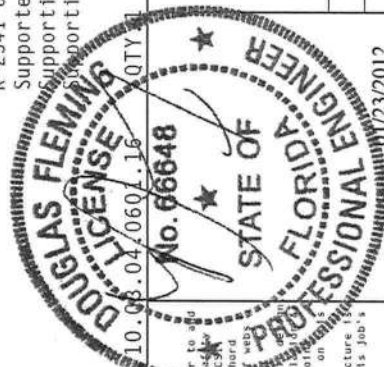
[illegible]

R=2341 U=0 H=Simpson HUS26

Supported Member Face: (6) 0.148"x3" nails

Supporting Member Face: (14) 0.148"x3" nails

Supporting Member : (1) 2x6 SP #2



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



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

	SP #1	SP #2	SP #3	SP #4	SP #5	SP #6	SP #7	SP #8	SP #9	SP #10	SP #11	SP #12	SP #13	SP #14	SP #15	SP #16	SP #17	SP #18	SP #19	SP #20	SP #21	SP #22	SP #23	SP #24	SP #25	SP #26	SP #27	SP #28	SP #29	SP #30	SP #31	SP #32	SP #33	SP #34	SP #35	SP #36	SP #37	SP #38	SP #39	SP #40	SP #41	SP #42	SP #43	SP #44	SP #45	SP #46	SP #47	SP #48	SP #49	SP #50	SP #51	SP #52	SP #53	SP #54	SP #55	SP #56	SP #57	SP #58	SP #59	SP #60	SP #61	SP #62	SP #63	SP #64	SP #65	SP #66	SP #67	SP #68	SP #69	SP #70	SP #71	SP #72	SP #73	SP #74	SP #75	SP #76	SP #77	SP #78	SP #79	SP #80	SP #81	SP #82	SP #83	SP #84	SP #85	SP #86	SP #87	SP #88	SP #89	SP #90	SP #91	SP #92	SP #93	SP #94	SP #95	SP #96	SP #97	SP #98	SP #99	SP #100	SP #101	SP #102	SP #103	SP #104	SP #105	SP #106	SP #107	SP #108	SP #109	SP #110	SP #111	SP #112	SP #113	SP #114	SP #115	SP #116	SP #117	SP #118	SP #119	SP #120	SP #121	SP #122	SP #123	SP #124	SP #125	SP #126	SP #127	SP #128	SP #129	SP #130	SP #131	SP #132	SP #133	SP #134	SP #135	SP #136	SP #137	SP #138	SP #139	SP #140	SP #141	SP #142	SP #143	SP #144	SP #145	SP #146	SP #147	SP #148	SP #149	SP #150	SP #151	SP #152	SP #153	SP #154	SP #155	SP #156	SP #157	SP #158	SP #159	SP #160	SP #161	SP #162	SP #163	SP #164	SP #165	SP #166	SP #167	SP #168	SP #169	SP #170	SP #171	SP #172	SP #173	SP #174	SP #175	SP #176	SP #177	SP #178	SP #179	SP #180	SP #181	SP #182	SP #183	SP #184	SP #185	SP #186	SP #187	SP #188	SP #189	SP #190	SP #191	SP #192	SP #193	SP #194	SP #195	SP #196	SP #197	SP #198	SP #199	SP #200	SP #201	SP #202	SP #203	SP #204	SP #205	SP #206	SP #207	SP #208	SP #209	SP #210	SP #211	SP #212	SP #213	SP #214	SP #215	SP #216	SP #217	SP #218	SP #219	SP #220	SP #221	SP #222	SP #223	SP #224	SP #225	SP #226	SP #227	SP #228	SP #229	SP #230	SP #231	SP #232	SP #233	SP #234	SP #235	SP #236	SP #237	SP #238	SP #239	SP #240	SP #241	SP #242	SP #243	SP #244	SP #245	SP #246	SP #247	SP #248	SP #249	SP #250	SP #251	SP #252	SP #253	SP #254	SP #255	SP #256	SP #257	SP #258	SP #259	SP #260	SP #261	SP #262	SP #263	SP #264	SP #265	SP #266	SP #267	SP #268	SP #269	SP #270	SP #271	SP #272	SP #273	SP #274	SP #275	SP #276	SP #277	SP #278	SP #279	SP #280	SP #281	SP #282	SP #283	SP #284	SP #285	SP #286	SP #287	SP #288	SP #289	SP #290	SP #291	SP #292	SP #293	SP #294	SP #295	SP #296	SP #297	SP #298	SP #299	SP #300	SP #301	SP #302	SP #303	SP #304	SP #305	SP #306	SP #307	SP #308	SP #309	SP #310	SP #311	SP #312	SP #313	SP #314	SP #315	SP #316	SP #317	SP #318	SP #319	SP #320	SP #321	SP #322	SP #323	SP #324	SP #325	SP #326	SP #327	SP #328	SP #329	SP #330	SP #331	SP #332	SP #333	SP #334	SP #335	SP #336	SP #337	SP #338	SP #339	SP #340	SP #341	SP #342	SP #343	SP #344	SP #345	SP #346	SP #347	SP #348	SP #349	SP #350	SP #351	SP #352	SP #353	SP #354	SP #355	SP #356	SP #357	SP #358	SP #359	SP #360	SP #361	SP #362	SP #363	SP #364	SP #365	SP #366	SP #367	SP #368	SP #369	SP #370	SP #371	SP #372	SP #373	SP #374	SP #375	SP #376	SP #377	SP #378	SP #379	SP #380	SP #381	SP #382	SP #383	SP #384	SP #385	SP #386	SP #387	SP #388	SP #389	SP #390	SP #391	SP #392	SP #393	SP #394	SP #395	SP #396	SP #397	SP #398	SP #399	SP #400	SP #401	SP #402	SP #403	SP #404	SP #405	SP #406	SP #407	SP #408	SP #409	SP #410	SP #411	SP #412	SP #413	SP #414	SP #415	SP #416	SP #417	SP #418	SP #419</
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Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

Shim all supports to solid bearing.

WFRS loads based on trusses located at least 31.82 ft. from roof edge.

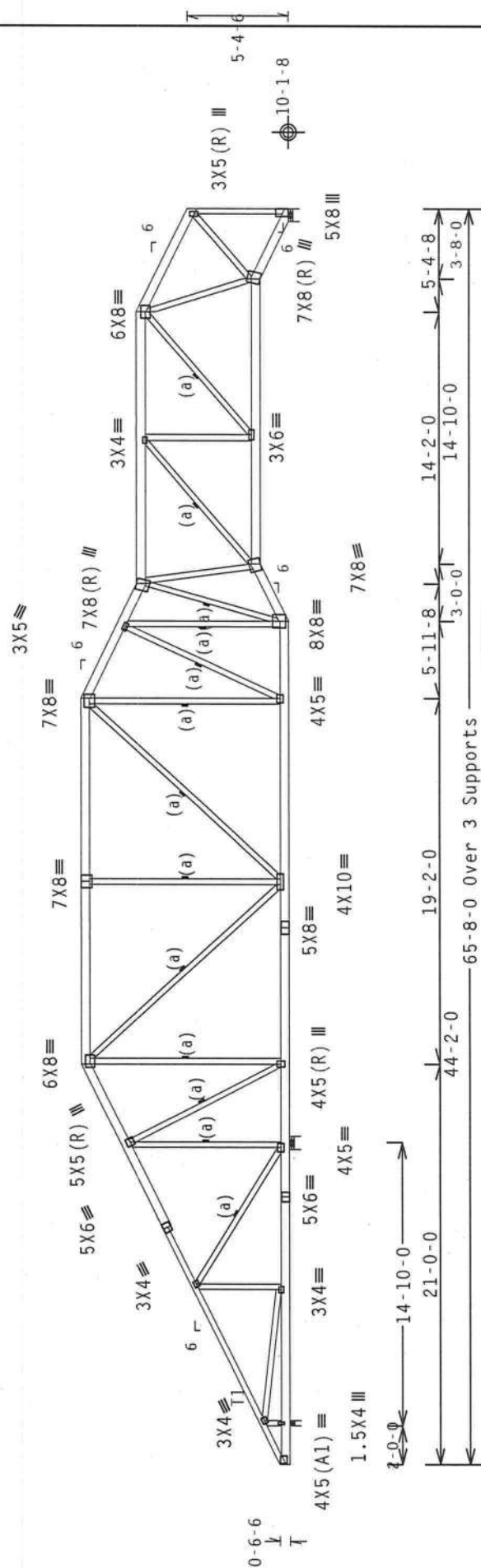
11110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge. CAT II, Exp B, wind IC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

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.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R=276 U=14 W=3.5"
RL=208/-170

R=3263 H=0 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/Ft.

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

OFF R487-- 51149

TC LL	20.0 PSF
-------	----------

No. 66848

1723

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

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ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

7107/57/1A
www.bm.com

bcindustry.com;

General notes page: ITH-BCG: www.ithbcg.com; IPI: www.tpiinst.org; NICA: www.nicasafe.org

s City, FL 3
COA #0 27

(12-010--Fill) in later BRYAN ZECHER/NEELY -- ** - BT4)

Top chord 2x6 SP #2 :T1 2x4 SP #1:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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.

Shim all supports to solid bearing.

MWFRS loads based on trusses located at least 31.82 ft. from roof edge.

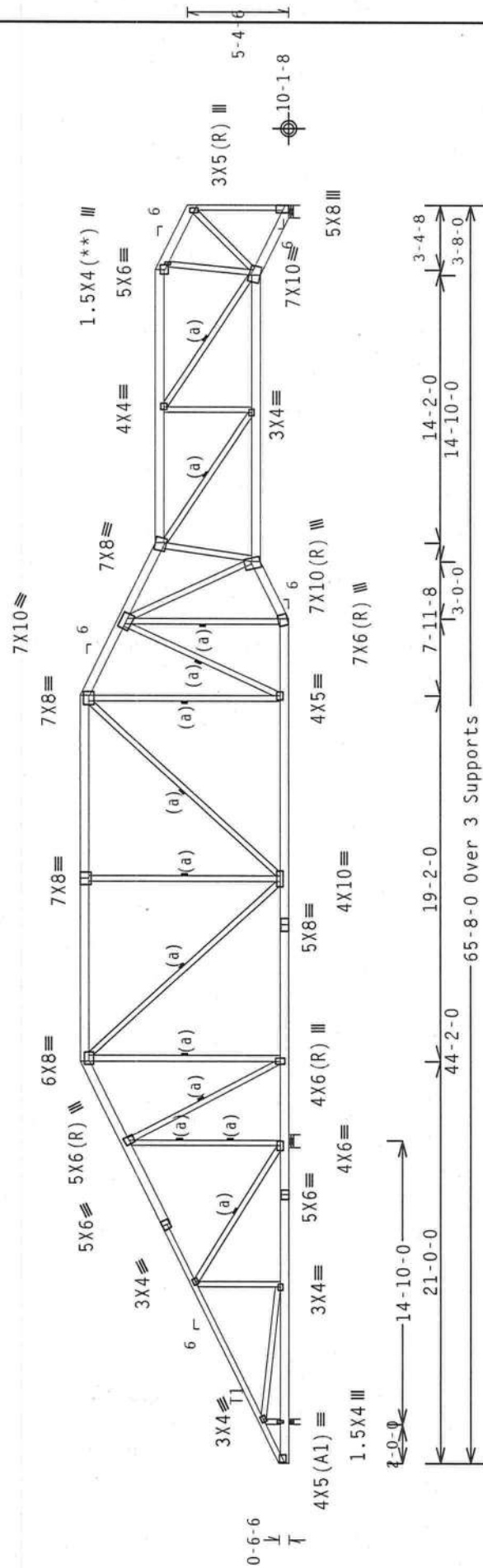
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 17.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w=1.00 \text{ Gcpi}(+/-)-0.18$

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

Right end vertical not exposed to wind pressure.

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.



R-132 Rw=170 U=51 W=3.5"
RL=208/-170
R=3450 U=0 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R487--	51150
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023046
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	264011	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	



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 MICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 85, 87 or 810, as applicable.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from the design of trusses to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. All trusses shall be installed in accordance with the design shown on this drawing. The responsibility of the Building Designer per ANSI/TPI 1 sec.2. For more information see: This job's general notes page: IITW-BCG: www.iitwbcg.com; TPI: www.tpinet.org; MICA: www.sectra.org; ICC: www.iccsafe.org



(12-010--Fill) in later BRYAN ZECHER/NEELY -- , ** - H7C)

Top chord 2x4 SP #1 :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

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

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

Left side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. End jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. Right side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

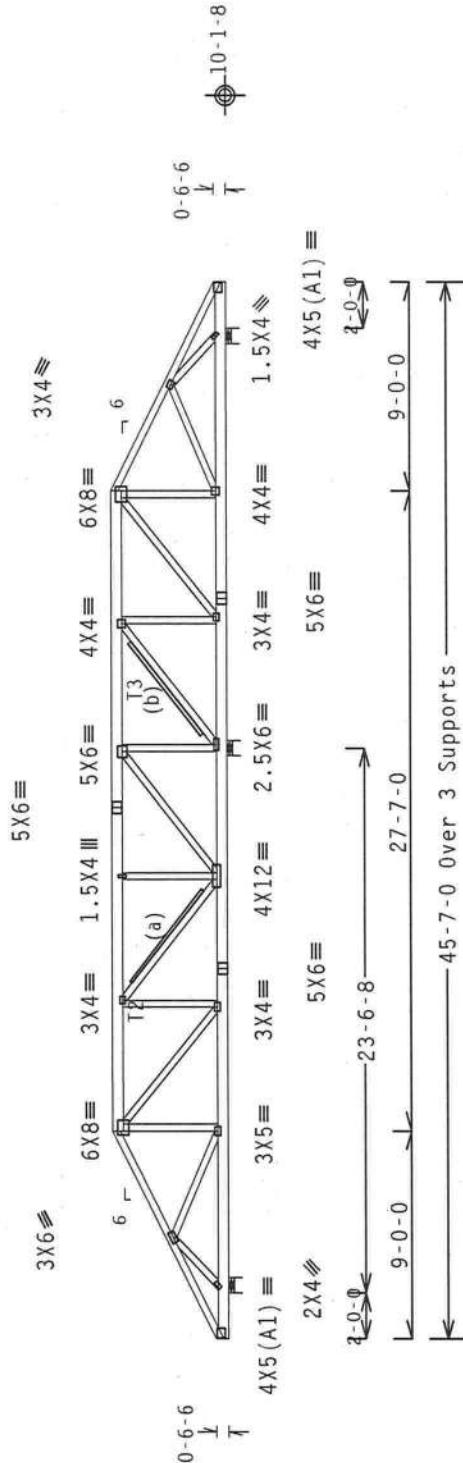
Wind loads and reactions based on MWFRS with additional C&C member design.

(b) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

Deflection meets L/240 live and L/180 total load.

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



R=1828 U=162 W=8"

R=4285 U=392

R=1222 U=107 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/Ft.

REF R487-- 51153

DATE 01/23/12

DRW HCUSR487 12023049

HC-ENG DF/DF

SEQN- 263186

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UIY487_Z01

DOUGLAS FLEMING
LICENSE
No. 86648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
01/23/2012

ALPINE
rtw Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPARTMENTS 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 NICA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.
rtw Building Components Group Inc. (rtwBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, for handling, shipping, installation, or use. The responsibility 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-BCG: www.tpi-bcg.com; TPI: www.tpinet.org; NICA: www.bcsiindustry.com; ICCI: www.tccsafe.org

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

Left and right cantilevers are exposed to wind

(a) 1x4 #3SRB SPF-S or better "J" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

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

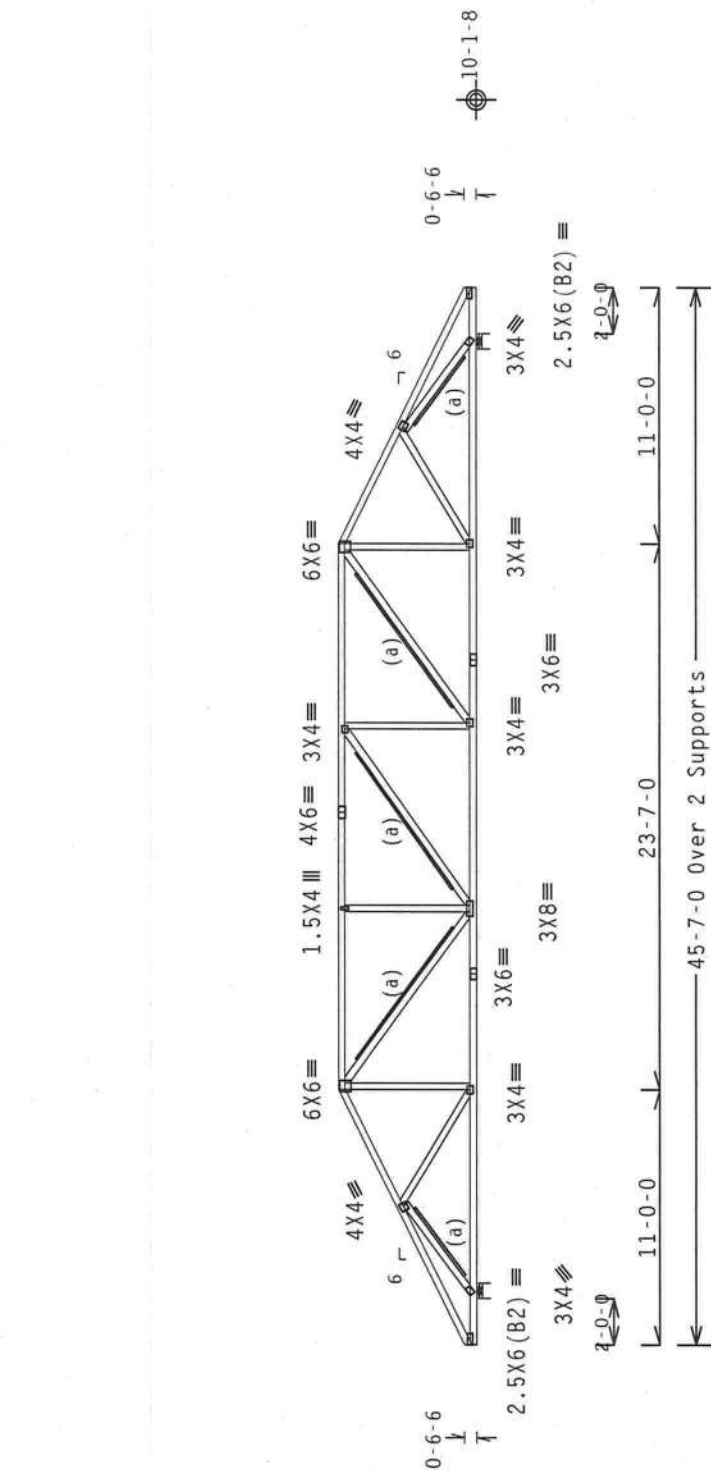
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt (+/-)=0.18

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.

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



R=1877 U=171 W=8"
RL=122/-122

45-7-0 Over 2 Supports

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/Ft.

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

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

Busses require extreme care in fabricating, handling, shipping, installing and bracing. Prior to installation, please follow the latest edition of BCS! (Building Component Safety Information, by IPI and WICA) for fully detailed instructions regarding design, fabrication, erection and bracing. Contractors are responsible for providing all necessary notices prior to performing these functions. Installers shall provide temporary bracing per code requirements unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint per web design shall have bracing installed per BCS! sections R3, R8 or R10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown on drawings or specifications. ITWBCG shall not be responsible for any failure to build the truss in accordance with ANSI/P1-101 for handling, shipping, installing, erecting, bracing, or dismantling of the truss. ITWBCG shall not be responsible for any overloading, misbracing of trusses, applying plates to each face of truss and position as shown above and on the Job Order Form, or for any other actions taken by anyone other than ITWBCG personnel. A seal on the end of the 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/P1-1 Sec.2. For more information see: This job's general notes page; IWB-Bldg; www.itwbci.com; ITWA; www.itwastn.org; ITWA; www.sbcindustrial.com.



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1
	webs	2x4	SP	#3

Left and right cantilevers are exposed to wind

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

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

Deflection meets L/240 live and L/180 total load.

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

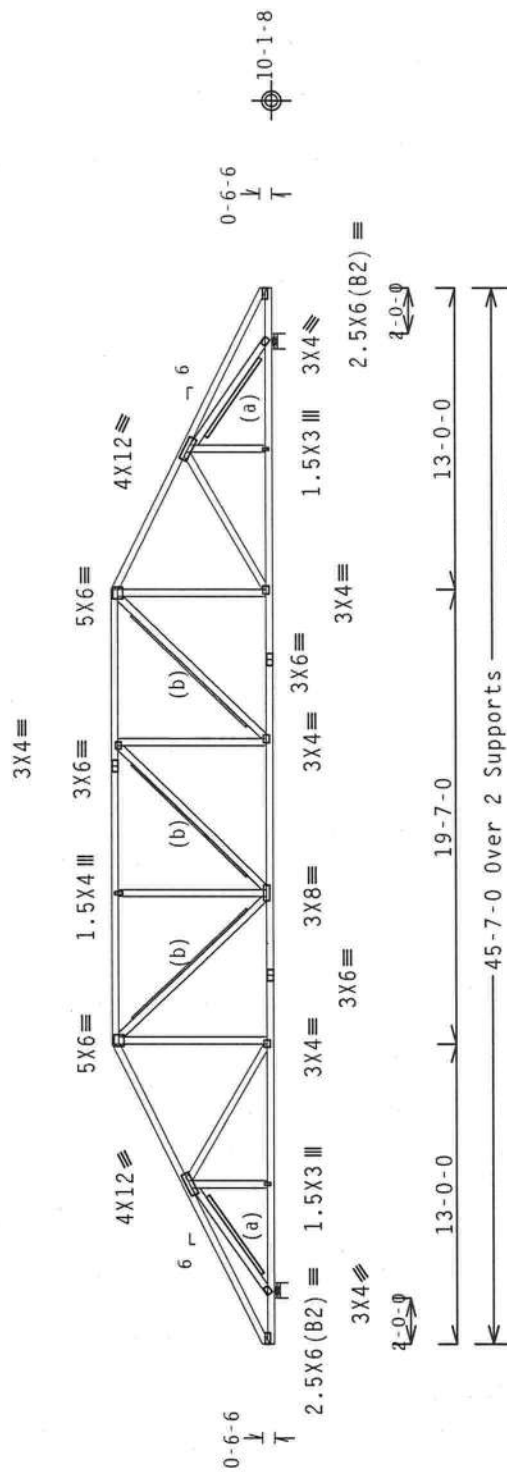
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

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

(a) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 6d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

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



R=1877 U=168 W=8"
RL=145/-145

Design Crit: FBC2007Res/TPI-2002(STD)

3C200/Res/IFT=2002
FT/RT=10%(0%)/0(0)

Scale = .125"/Ft.

OFF P487-- 51155

DATE	03/08/10
KL1	K407 J1133

DATE 01/23/12

ORW HCUR487 12023051

HC-ENG DF/DF

000000

017297-263210

REF- 1UIY487 Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

Left and right cantilevers are exposed to wind

(a) 1x4 #3SRB SpF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

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

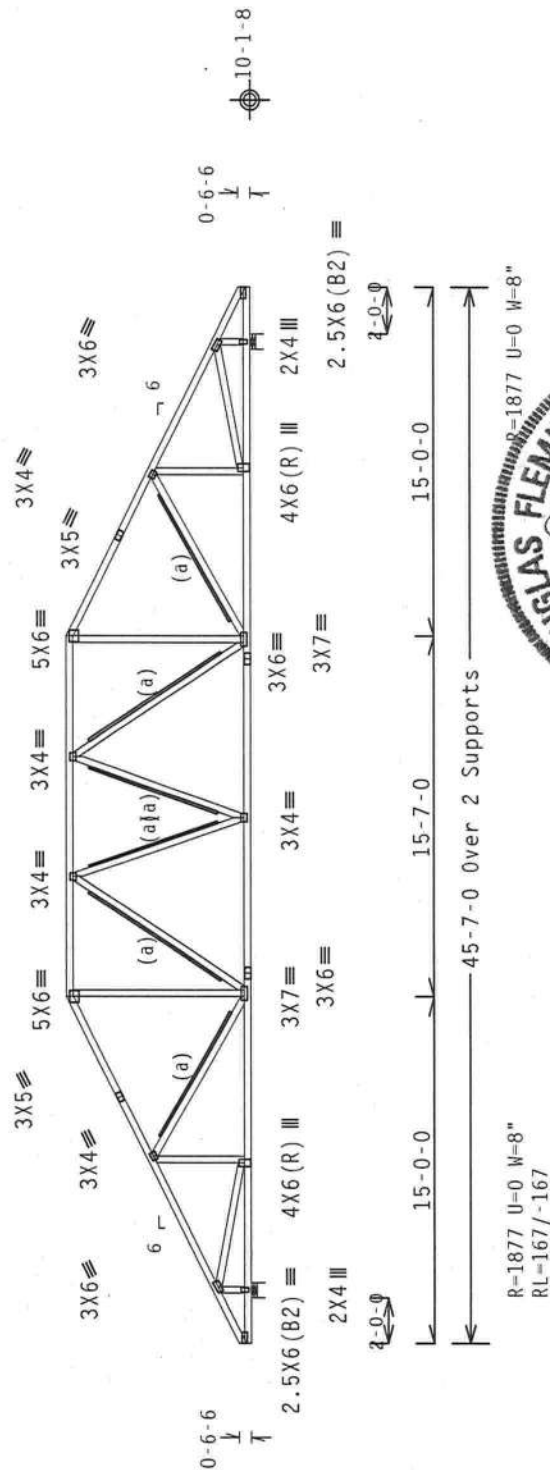
1110 mph wind. 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

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.

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



R=1877 U=0 W=8"
RL=167/-167

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP: Wave

Scale = .125"/Ft.

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

QTY:

04/0601.16

0.010 (0)

FT/RT=10% (0%)

Design Critic.

Wave

PIT T

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

INSTALLERS SHALL HAVE BRACING INSTALLED PER BCSD SECTIONS B3, B7 OR B10, AS APPLICABLE. LOCATIONS SHOWN FOR PERMANENT LATERAL BRACING SHALL HAVE A PROPERTY ATTACHED PER BCSD SECTION B3, B7 OR B10, AS APPLICABLE.

ITW Building Components Group Inc. (IIBCO) shall not be responsible for any deviation from the design shown on drawings or specifications. IIBCO will not be responsible for any liability resulting from the pricing of materials. Apply plates to each face of truss and position as shown above and on the following page. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the 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/APF 1 Sec.2. For more information see: This job's general notes page; IIBCO web site: www.iibco.com; IIBCO email: help@iibco.com.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
P.O. Box 40320

Haines City, FL 33844
FL COA #0378

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

Left and right cantilevers are exposed to wind

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

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

Deflection meets L/240 live and L/180 total load.

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

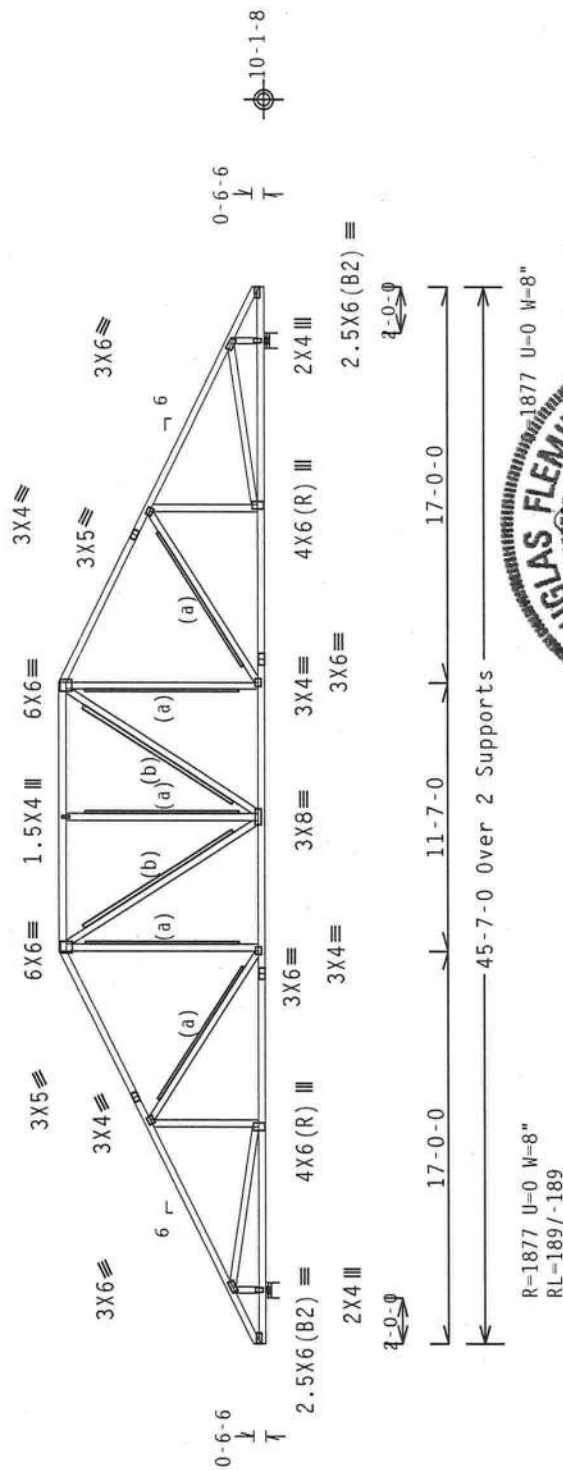
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCp1(+/-)=0.18

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

(b) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.) nails @ 6" OC.

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

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



PLT Typ. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .125"/Ft.

OFF P487-- 51157

DATE	01/08/19
TIME	17:40
LOCATION	101137

DATE 01/23/12

DRW HCUSR487 12023053

HC-FNG DF/DF

10 ENG 01/01	00000
00000	00000

263235

REF- 1UIY487 Z01

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

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

extreme care in fabricating, handling, shipping, installing and bracing. Refer to and

performing these functions. Installers shall provide temporary bracing per BSI.

Otherwise, top chord shall have properly attached structural sheathing and bottom chord

being installed per BCSI sections 83, 87 or 810, as applicable.

components Group Inc. (IIWBCG) shall not be responsible for any deviation from this

ould the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation

ies. Apply plates to each face of cross and position as shown above and on the joint positions. A seal on the drawings 160A-2 for standard plate positions. Refer to drawings 160A-2 for standard plate positions. A seal on the drawings 160A-2 for standard plate positions. A seal on the drawings 160A-2 for standard plate positions.

page listing this drawing. Indicates acceptance of professional engineering

ably for the design shown. The suitability and use of this design for any structure is solely the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's

ie; IIN-BCG: www.itubcg.com; TPI: www.tpinst.org; WICA: www.sbcindustry.com;

6.9

(12-010--Fill in later BRYAN ZECHER/NEELY -- ** - H17C)

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

Left cantilever is exposed to wind

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

(c) 2x6 #3 or better "I" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

MMFRS loads based on trusses located at least 15.41 ft. from roof edge.

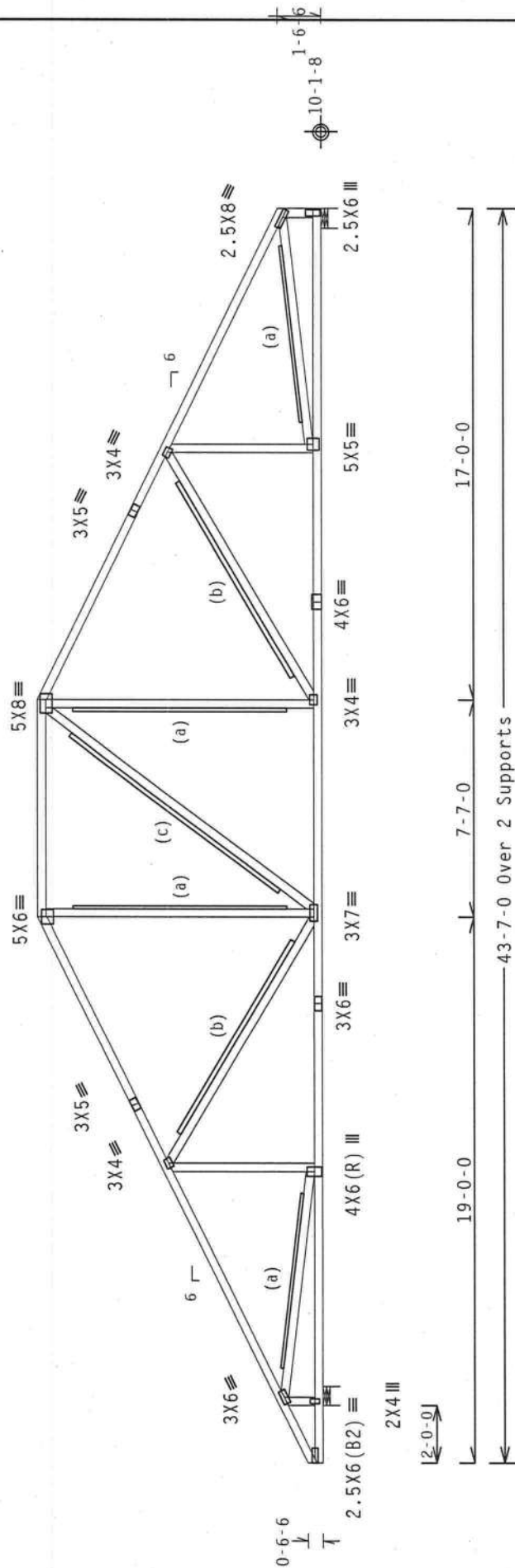
110 mph wind, 15.41 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpt(+/-)=0.18

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

(b) 2x4 #3 or better "I" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.



R=1888 U=0 W=8"
RL=204/-195

R=1702 U=0 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)

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

10.3.04.0601.18

Scale = .1875"/Ft.

PLT TYP. Wave

ALPINE		DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER		TC LL	20.0 PSF	FL/-/4/-/-/R/-	REF	R487--	51158
ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278		FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		TC DL	10.0 PSF		DATE	01/23/12	
		WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!		BC DL	10.0 PSF		DRW	HCUSR487	12023054
		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 NICA, for safety practices prior to performing these functions. Installers shall provide temporary bracing per the details, unless otherwise noted. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint for web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		BC LL	0.0 PSF		HC-ENG	DF/DF	
		ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the job site. Trusses shall be installed in accordance with the details and specifications. The designer's responsibility is solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org		TOT.LD.	40.0 PSF		SEQN-	263257	
				DUR.FAC.	1.25				
				SPACING	24.0"		JREF-	1UIY487_Z01	

Top chord 2x4 SP #1 :T4, T5 2x6 SP #2:
Bot chord 2x6 SP #2 :B3 2x6 SP #1 Dense:
:B4, B5 2x6 SP M-26:
:W16 2x4 SP #2:
:W18 2x4 SP #1:

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

1110 mph wind, 15.28 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

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

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.18" due to live load and 0.18" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

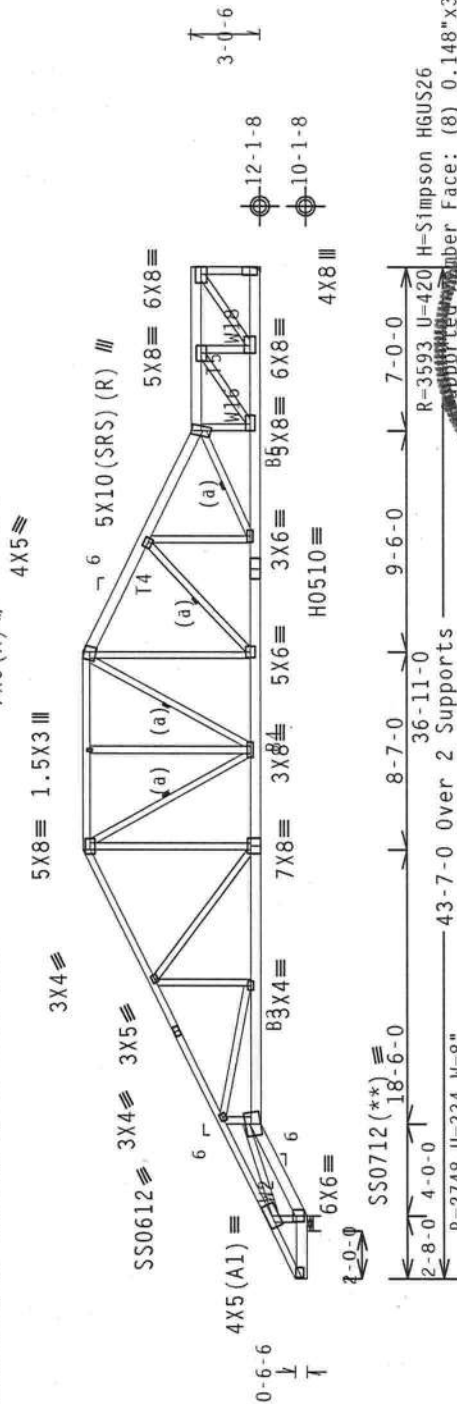
(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

Right end vertical not exposed to wind pressure.

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



PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=10%(0%) /0(0)

Scale = .125"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Read and follow the latest edition of BCSP Building Component Safety Information, by IPi and HICA for important safety practices prior to performing these functions. Installers should use temporary bracing and shoring to support the trusses until the permanent structural bracing is installed. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSP sections B3.87 or B3.90, as applicable.

The Building Components Group Inc. (LBGCO) shall be responsible for any deviation from this design or specification. The designer shall retain responsibility for the installation and pricing of trusses. Apply plates to each face of truss and position as shown above and on the joined metal. Unless noted otherwise. Refer to drawings LB09-7 for standard plate positions. A seal on drawing or cover page listing this design, indicating 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 Section 2. If more information see: This job's specifications.

LBGCO: www.lbgco.com; TPI: www.tpi.net; NIA: www.niainc.org

ENR 358468



ALPTNF

TTW Building Components Group Inc.

Haines City, FL 33844

MIAMI CITY, FL 33144
TEL COA #0 778

21063473/23/2012

SPACING 24.0"

REF- 1UIY487_Z01

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - H19CV)

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

Left cantilever is exposed to wind

H - recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Deflection meets L/240 live and L/180 total load.

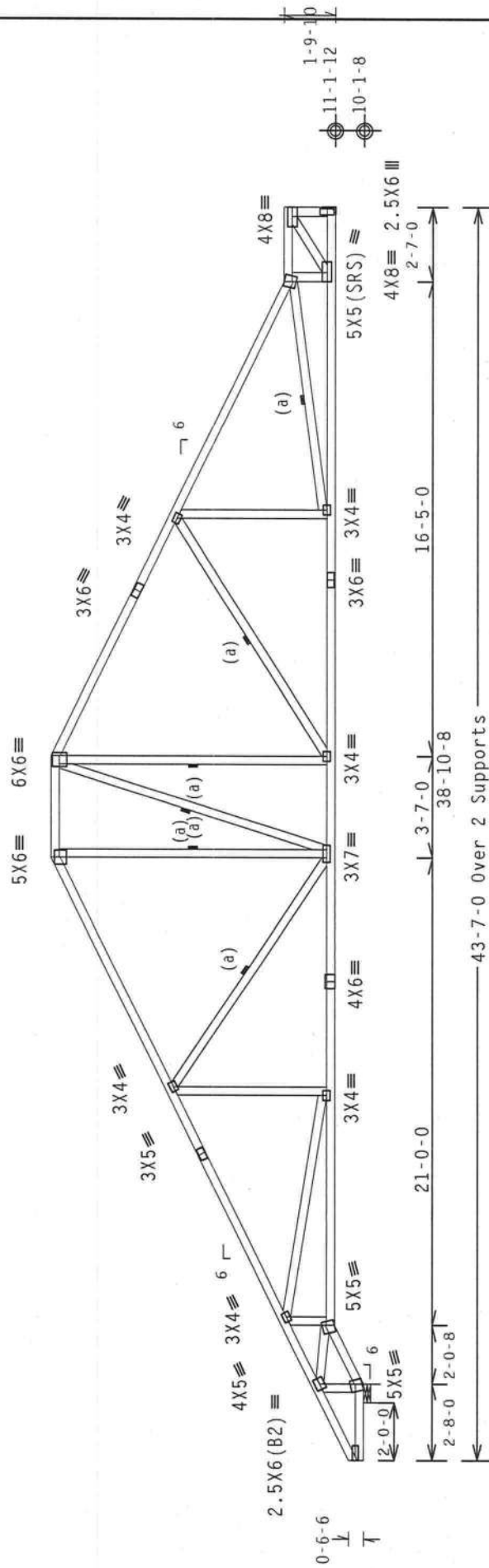
110 mph wind, 15.91 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

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

(a) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 15.91 ft. from roof edge.



R-1678 U=0 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3"
Supporting Member Face: (14) 0.148"x3"
Supporting Member: (2) 2x6 SP #2



R-1916 U=0 W=8"
RL-224/-203

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave	QTY 1	FL / - / 4 / - / - / R / -	Scale = .1875" / Ft.
ALPINE	TC LL	20.0 PSF	REF R487 -- 51160
ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	TC DL	10.0 PSF	DATE 01/23/12
	BC DL	10.0 PSF	DRW HCUSR487 12023056
	BC LL	0.0 PSF	HC-ENG DF/DF
	TOT. LD.	40.0 PSF	SEQN- 263270
	DUR. FAC.	1.25	
	SPACING	24.0"	JREF- 1UIY487_Z01

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 WCA) for

practices prior to performing these functions. Installers shall provide temporary bracing per BCSI

Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord

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

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

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the

any failure to build this truss in accordance with ANSI/APA 10 for handling, shipping, installing

or any other use of this truss. The user of this truss shall be responsible for any failure

Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal 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

the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's

general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.wcaindustry.com;

ICC: www.iccsafe.org

Webs 2x4 SP #3 :W2, W12 2x4 SP #2:

Calculated horizontal deflection is 0.16" due to live load and 0.17" due to dead load.

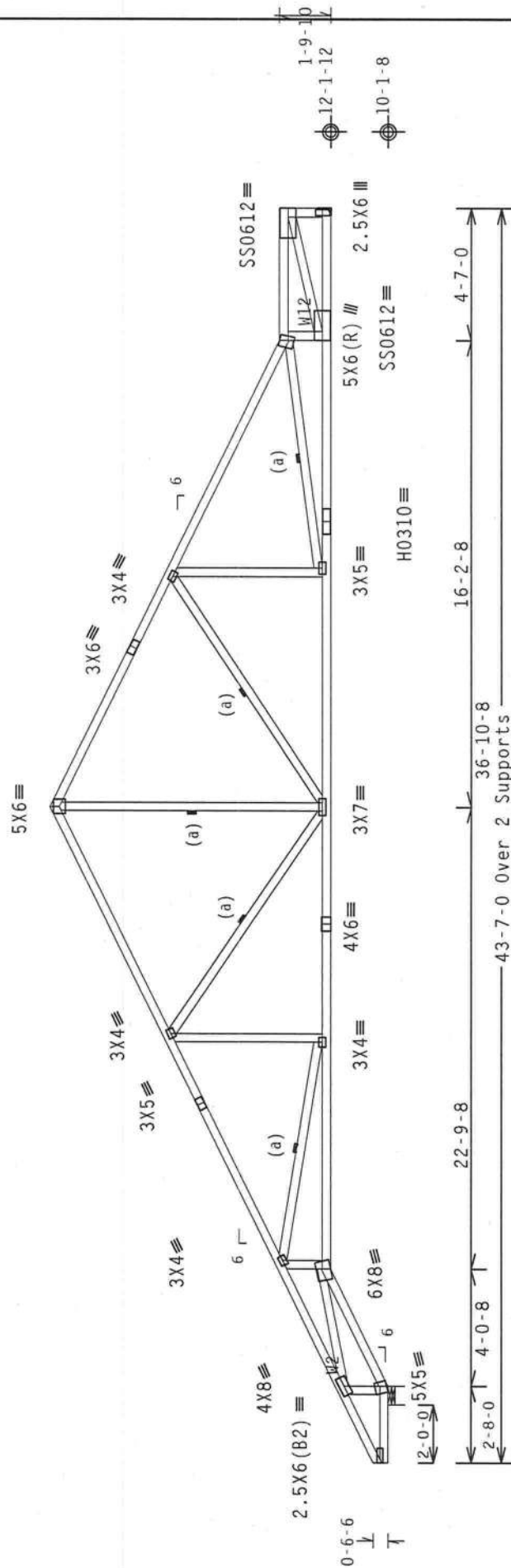
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

MEMBERS loads based on trusses located at least 16.36 ft. from roof edge.

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute langer reaction throughout all plies of supporting girder.

Deflection meets L/240 live and L/180 total load.



R-1921 U=0 W=8"
RL=244/-214

PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=10%/0%/0 (0) Wave

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the drawings and the Building Components Group (BCG) information, by IPI and NICA, for details and instructions on how to properly install and brace trusses. Trusses shall be installed in accordance with the following instructions. If any of the above instructions conflict with the information noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCG sections 83, 87 or B10, as applicable.

ITW Building Components Group Inc. (IBCG) shall not be responsible for any deviation from the instructions herein that may result in a failure to build the truss in conformance with ANSI/IPI 1, 1 or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the drawings. For details, unless noted otherwise. Refer to drawings 1600-2 For standard plate positions. A seal of the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/IPI 1 Sec-2. For more information see: This Job General Notes: IPI-BGS: www.itwbcg.com; IPI: www.tpinst.org; NICA: www.sbcindustry.com; www.1600se.org



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

R-1678 U-0 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3"
Supporting Member Face: (14) 0.148"x3"
Supporting Member : (3) 2x6 SP M-26

FL / - / 4 / - / - / R / - / - /
Scale = .1875" / Ft.

TC LL	20.0	PSF	REF	R487--	51161
TC DL	10.0	PSF	DATE	01/23/12	
BC DL	10.0	PSF	DRW	HCUSR487	12023057
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEGN-	264544	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U1V487_Z01	

110 mph wind, 16.36 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ GCpf (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

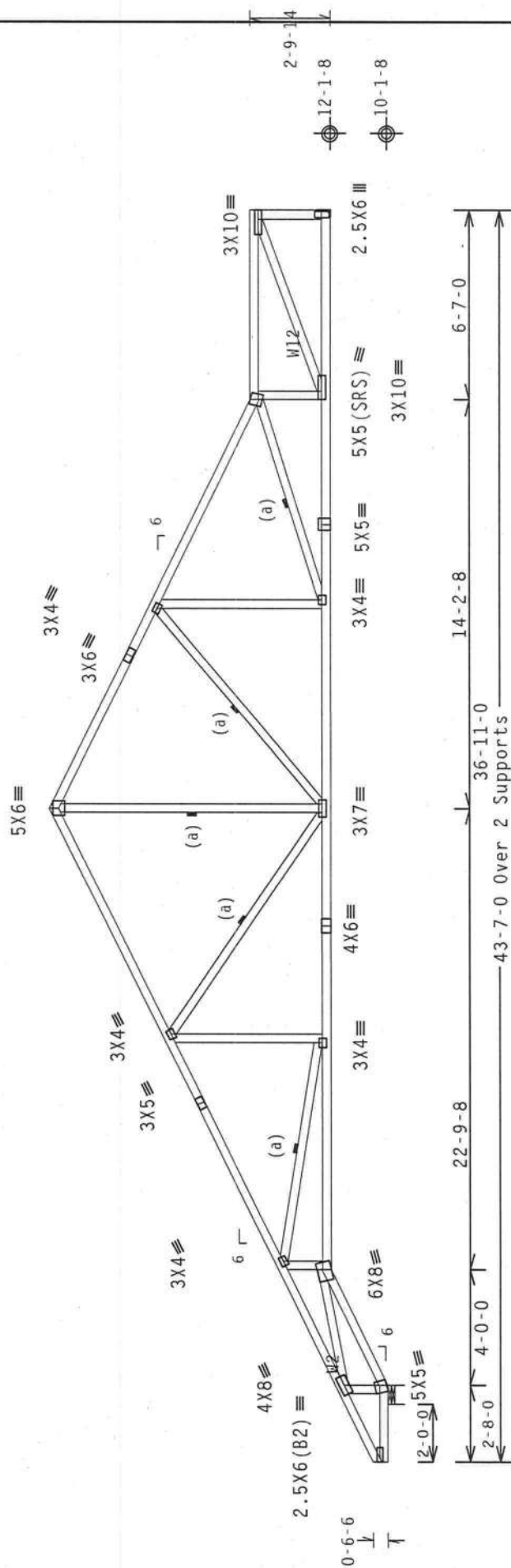
Left cantilever is exposed to wind

Calculated horizontal deflection is 0.15" due to live load and 0.16" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

WWFRS loads based on trusses located at least 16.36 ft. from roof edge.



R-1678 U=0 H=Simpson HUS26
Supported Member Face: (4)
Supporting Member Face: (14)
Supporting Member : (2) 2x6

R=1921 U=0 W=8"
RL=237/-198

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .1875"/Ft.

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

4.16 QTY 1

10.93.04.06

(0)0/0

FT/RT=10%(0°)

1991 01 12:

2

PLT TYP. Wave

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

1000

and bracing. Refer to add

TPI and WICA) for safety!

Temporary bracing per **ACI 308**.

protection and bottom

lateral restraint of webs

pr
nk

any deviation from this, we should

ing, shipping, installing, etc.

positions. A seal on the

onal engineering

design for any structure 194

Information see: This job's

sbciindustry.com;

100

(12-010--Fill in later BRYAN ZECHER/NEELY -- , ** - CV3)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W2 2x4 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.15" due to live load and 0.16" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

MWFRS loads based on trusses located at least 16.36 ft. from roof edge.

110 mph wind, 16.36 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

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

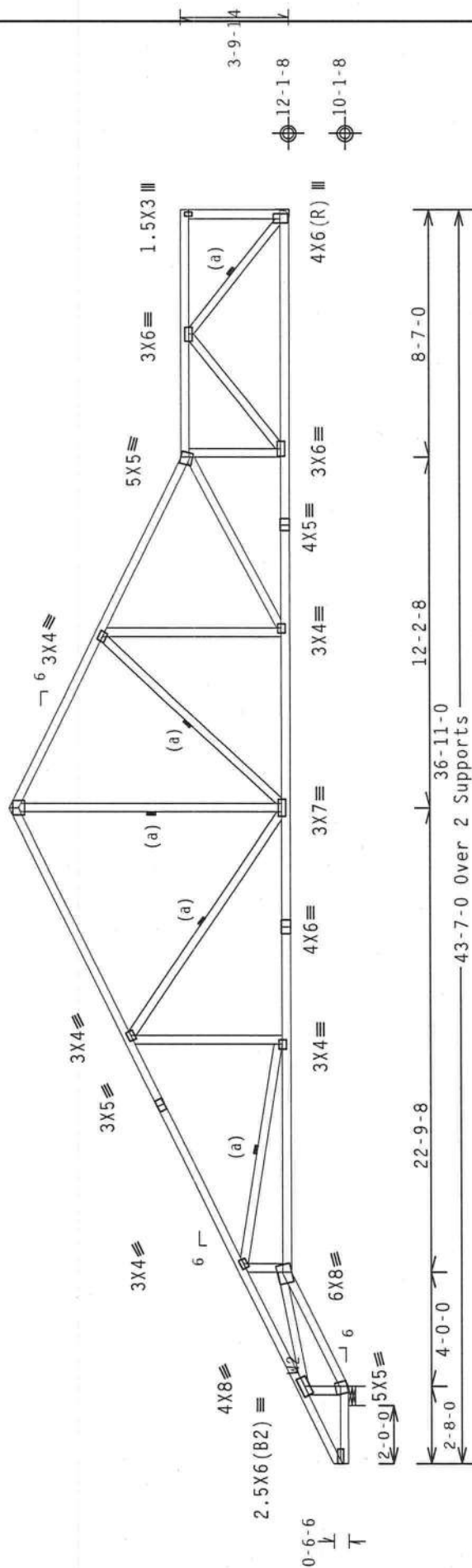
Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

5X6



R-1921 U=0 W=8"
RL-231/-182

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

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

Scale = 1.875"/Ft.

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! **IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and MICA for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.	
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trussing of trusses. Apply proper bracing and handling techniques. Refer to drawings 1608-2 for standard plate positions. A seal on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.sbciindustry.com; ICC: www.iccsafe.org		10.03.04 0603.16 No. 06648 PROFESSIONAL ENGINEER STATE OF FLORIDA 01/23/2012	
	TC LL	20.0 PSF	REF	R487-- 51163
	TC DL	10.0 PSF	DATE	01/23/12
	BC DL	10.0 PSF	DRW	HCUSR487 12023059
	BC LL	0.0 PSF	HC-ENG	DF/DF
	TOT.LD.	40.0 PSF	SEQN-	263382
	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	1UIY487_Z01

R-1678 U=17 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3"
Supporting Member Face: (14) 0.148"x3"
Supporting Member: (2) 2x6 SP #2

(12-010--F111 in later BRYAN ZECHER/NEELY -- ** - CV4)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W2 2x4 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.14" due to live load and 0.15" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

MMFRS loads based on trusses located at least 16.36 ft. from roof edge.

110 mph wind, 16.36 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf (+/-)=0.18

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

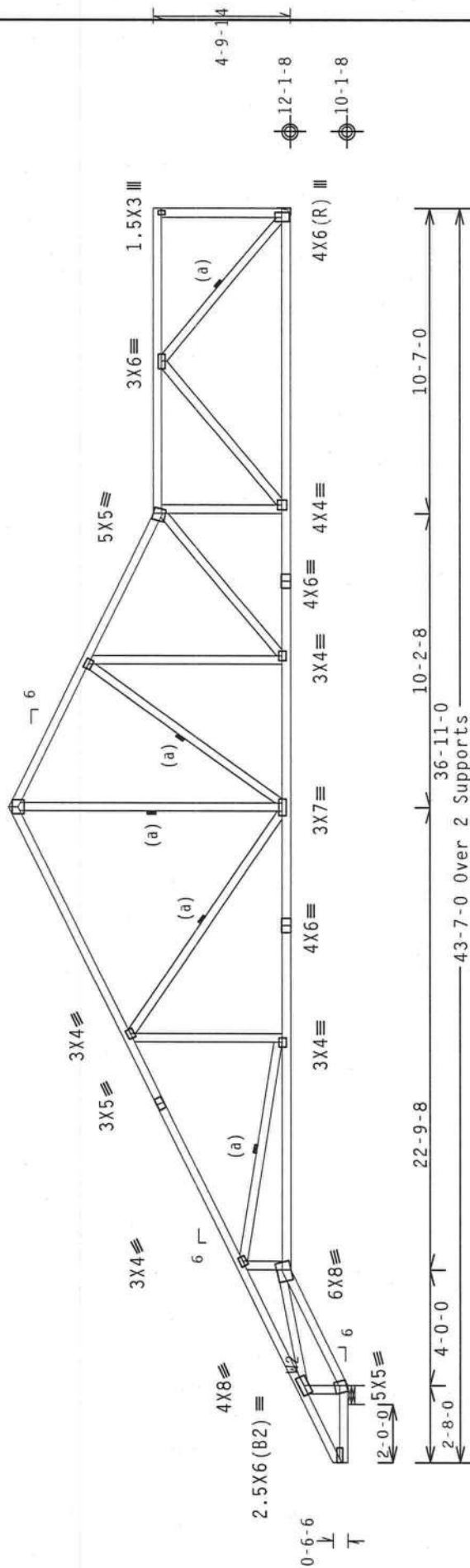
Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

5X6 = 3X4 =



R=1921 U=0 W=8"
RL=224/-166

R=1678 U=47 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3"
Supporting Member Face: (14) 0.148"x3"
Supporting Member: (2) 2x6 SP #2

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF	R487 --	51164
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023060
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	263379	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	



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

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

	Top chord	2x4	SP #1
Top			
Bot			
	Web	2x4	SP #3

Webs 2x4 SP #3 :W2 2x4 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

MMWFRS loads based on trusses located at least 32.71 ft. from roof edge.

1110 mph wind, 16.36 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

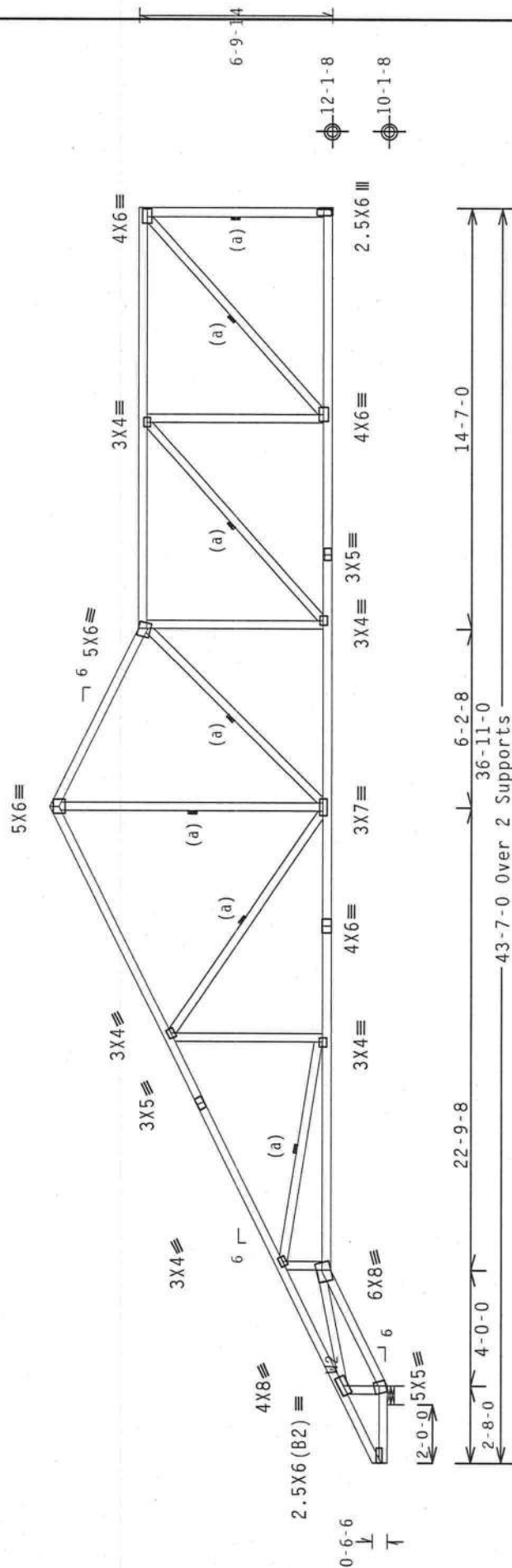
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.



R-1921 U=0 W=8"
RL=211/-134

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

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

Scale = .1875"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Information, by IPI and WICA) for more information on this subject. Trusses should be braced per BCSI section 83. The top chord shall have a properly attached structural sheathing and bracing system. The bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

[illegible]

ALPINE
TTW Building Components Group Inc.
Haines City, FL 33844
EFCOA #0 278

R=1678 U=101 H=Simpson HUS26

Supported Member	Face: (4)	0.148"x3"	n

Supporting Member Face: (14) 0.148" x 3"

Supporting Member : (2) 2x6 SP #2

03.04.0601.16 TY:

Scale = .1875"/Ft.

OFF R487 - 51166

DATE	01/02/10
NAME	K407 J1100

DATE 01/23/12

0RW HCUSR487 12023062

HC-ENG DF/DF

263373

[illegible]

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(12-010--Fill in later BRYAN ZECHER/NEELY --, **, ** - CV7)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W2 2x4 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.

H - recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

MWFRS loads based on trusses located at least 32.71 ft. from roof edge.

110 mph wind, 16.36 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. 1w-1.00 GCpl(+/-)-0.18

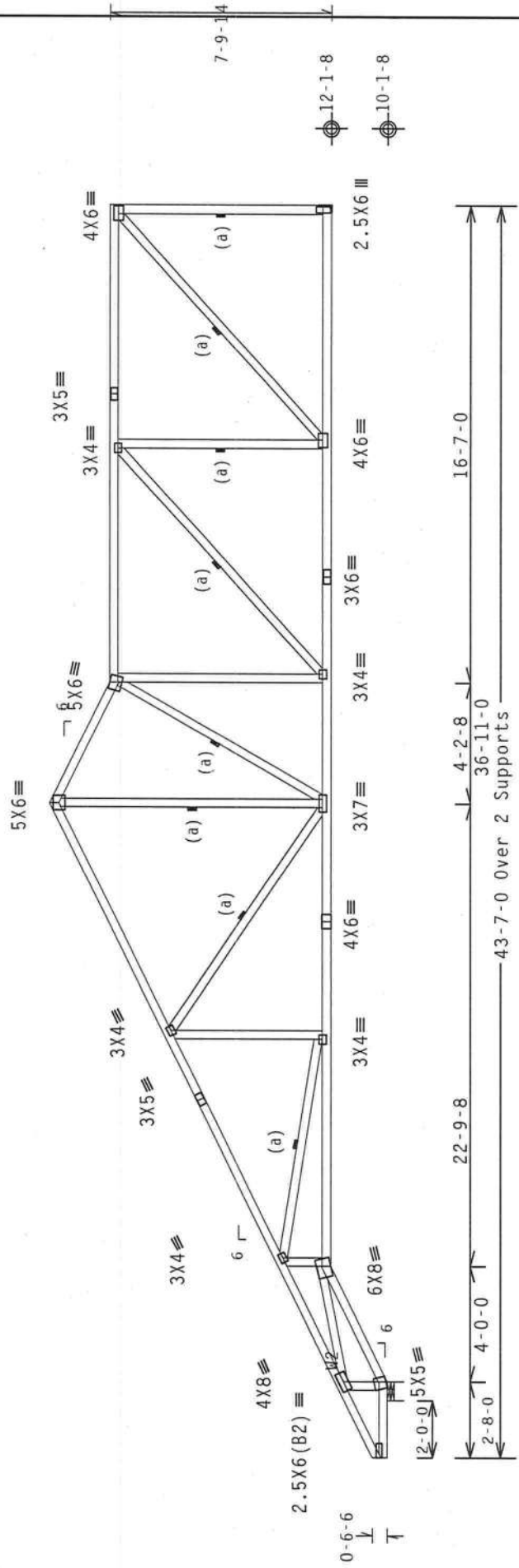
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.



R-1921 U=0 W=8"
RL=204/-119

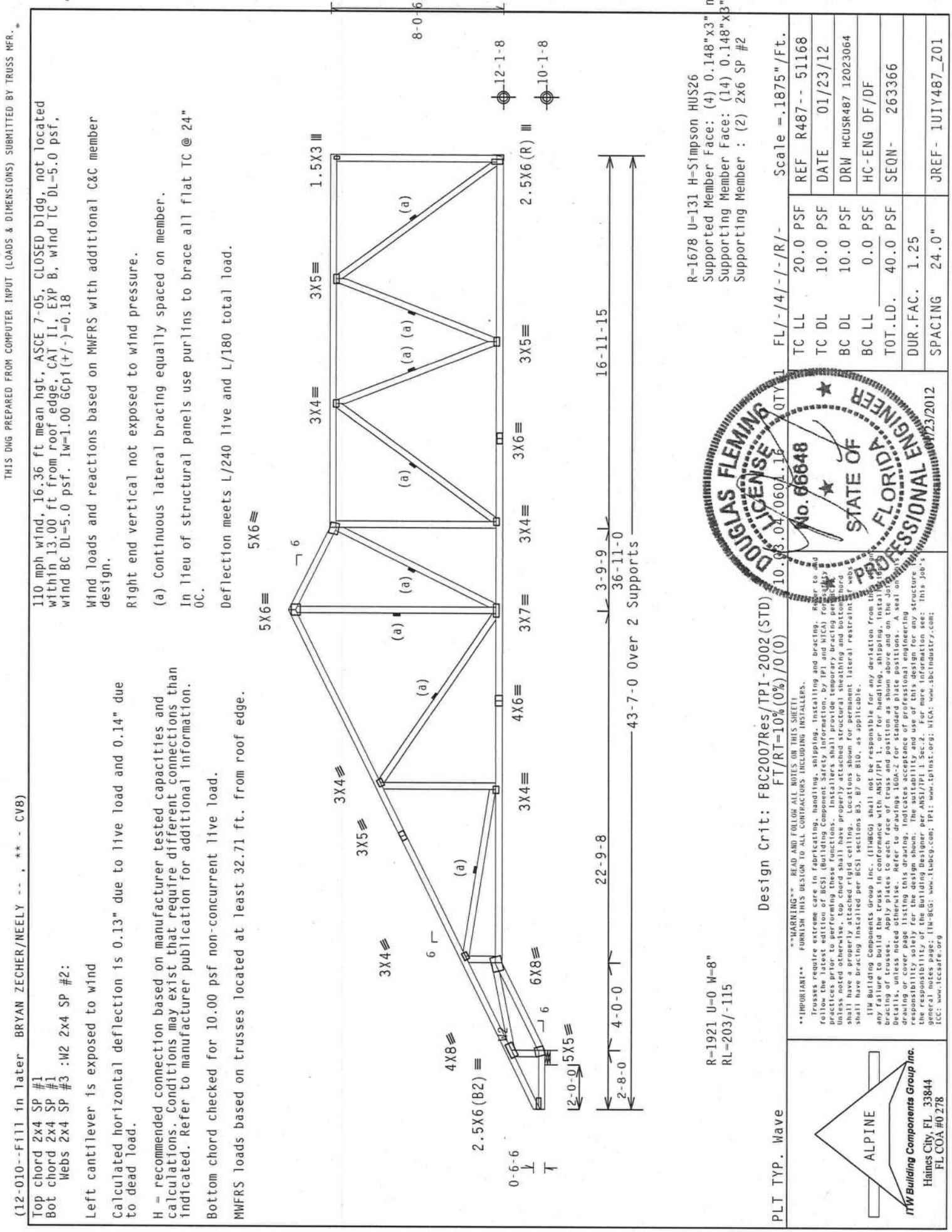
R-1678 U-126 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" n
Supporting Member Face: (14) 0.148"x3"
Supporting Member: (2) 2x6 SP #2

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

FL/-/4/-/-/R/- Scale = .1875"/Ft.

ALPINE
--



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

(12-010--Fill in later BRYAN ZECHER/NEELY -- . ** - CV8)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W2 2x4 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

MMFRS loads based on trusses located at least 32.71 ft. from roof edge.

110 mph wind, 16.36 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge. CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)-0.18

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

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

R-1921 U-0 W-8"
RL-203/-115

R-1678 U-131 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" n
Supporting Member Face: (14) 0.148"x3"
Supporting Member : (2) 2x6 SP #2

PLT TYP. Wave	Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		Scale = 1.875"/Ft.	
	FL/-/4/-/R/-		TC LL	20.0 PSF
	QTY 1		TC DL	10.0 PSF
	10.0.04.0604.18		BC DL	10.0 PSF
	No. 66648		BC LL	0.0 PSF
 ALPINE Haines City, FL 33844 FL COA #0278	TOT.LD.		40.0 PSF	SEQN- 263366
	DUR.FAC.		1.25	
	SPACING		24.0"	
	JREF-		1UIY487_Z01	



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(12-010--F111 in later BRYAN ZECHER/NEELY -- ** - CV9)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W2 2x4 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

(H1) - (J) Hanger not calculated (3)2x8 SP 2400f-2.0E supporting member.

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

Deflection meets L/240 live and L/180 total load.

110 mph wind, 16.36 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

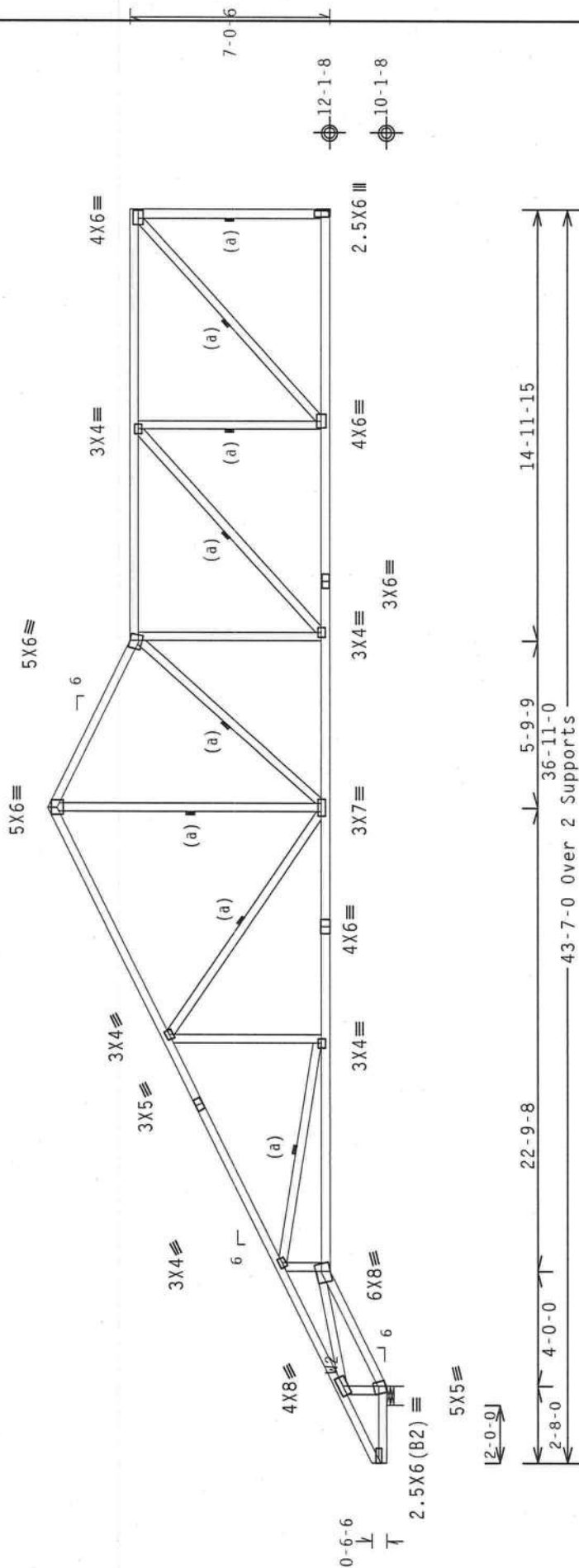
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 32.71 ft. from roof edge.



R-1921 U=0 W=8"
RL=210/-131

R=1678 U=106
H=H1

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave		Scale = .1875" / Ft.	
ALPINE			



(12-010--Fill) in later BRYAN ZECHER/NEELY -- . ** - CV10)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

Web 2x4 SP #3 :W2 2x4 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

(H1) = (J) Hanger not calculated (3)2x8 SP 2400f-2.0E supporting member.

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

Deflection meets L/240 live and L/180 total load.

110 mph wind, 16.36 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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

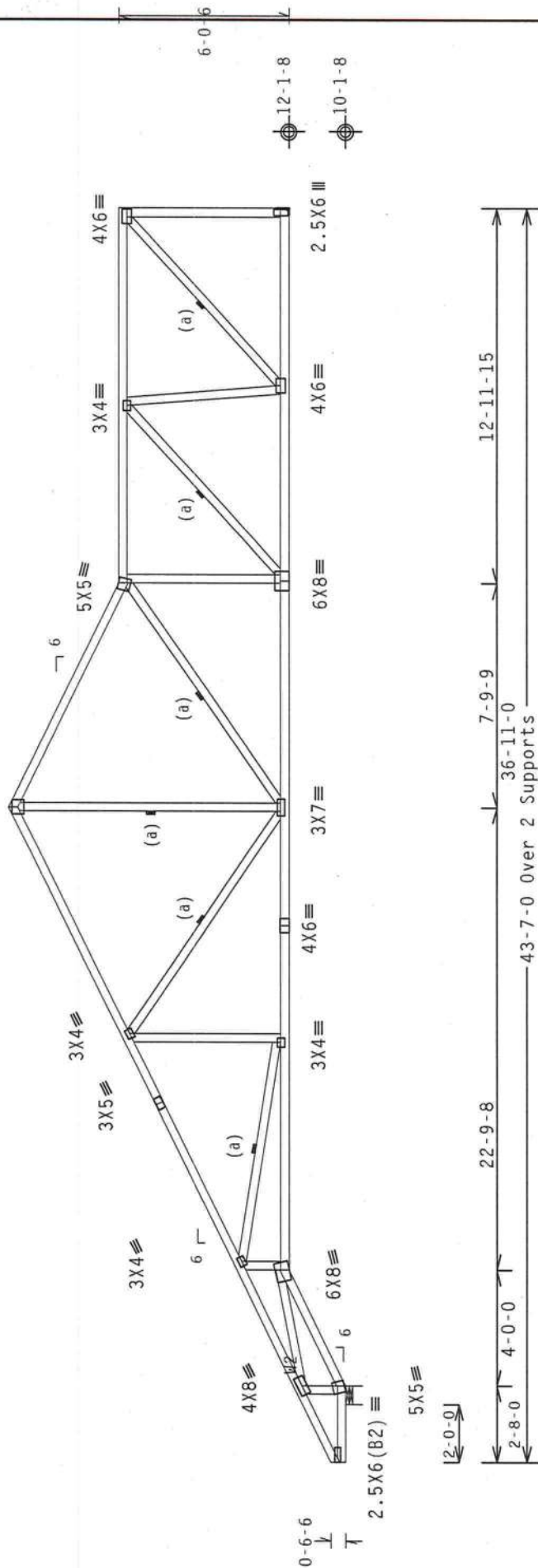
Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 32.71 ft. from roof edge.

5X6



R-1921 U-0 W-8"
RL-216/-147

R-1678 U-80
H-H1

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

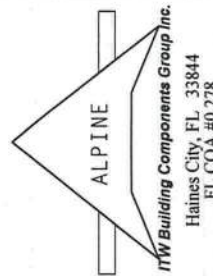
TC LL	20.0 PSF	REF	R487--	51170
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023066
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	263422	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	



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1110 mph wind. 16.28 ft mean hgt, ASCE 7-05, CL05ED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

MMWFRS loads based on trusses located at least 32.57 ft. from roof edge.

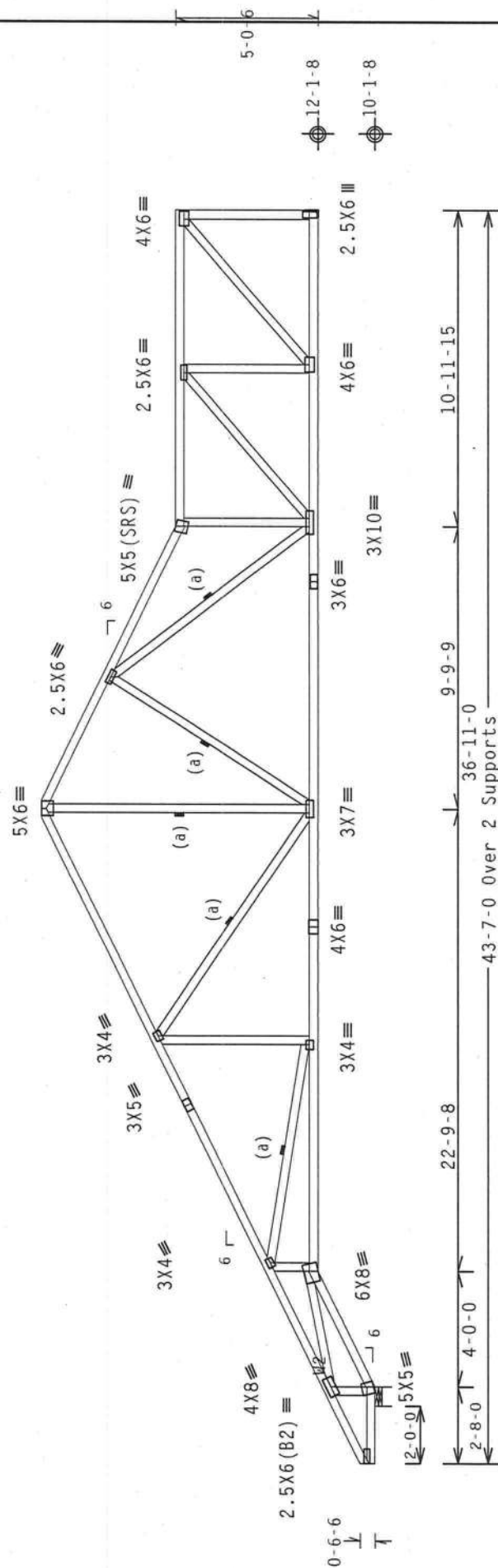
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W2 2x4 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/240 live and L/180 total load.



R=1921 U=0 W=8"
RL=220/-160

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD).

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

Designation: 100200/Kes/100200
FT/RT=10% (0.10)

****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. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by IPI and WCA) for all applicable provisions and instructions for these functions. Installers shall provide temporary bracing prior to permanent erection 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 web members shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

R-1678 U-53 H-Simpson HUS26

Supported Member Face: (4) 0.148"x3"

Supporting Member Face: (14) 0.148"x3

Supporting Member : (2) 2x6 SP #2

Scale = .1875"/Ft.

R487-- 51171

DATE	01/23/10
TIME	1407

DATE 01/23/12

RW HCUSR487 12023067

IC-ENG DF/DF

263520

0763520

REF- 1UIY487_Z01

Top chord 2x4 SP #1

Top chord 2x4 SF #1
Bot chord 2x4 SP #1

Weld	2x4	SP #1	:W2	2x4	SP #2:
Weld	2x4	SP #3	:	W2	2x4
Weld	2x4	SP #4	:	W2	2x4
Weld	2x4	SP #5	:	W2	2x4
Weld	2x4	SP #6	:	W2	2x4
Weld	2x4	SP #7	:	W2	2x4
Weld	2x4	SP #8	:	W2	2x4
Weld	2x4	SP #9	:	W2	2x4
Weld	2x4	SP #10	:	W2	2x4
Weld	2x4	SP #11	:	W2	2x4
Weld	2x4	SP #12	:	W2	2x4
Weld	2x4	SP #13	:	W2	2x4
Weld	2x4	SP #14	:	W2	2x4
Weld	2x4	SP #15	:	W2	2x4
Weld	2x4	SP #16	:	W2	2x4
Weld	2x4	SP #17	:	W2	2x4
Weld	2x4	SP #18	:	W2	2x4
Weld	2x4	SP #19	:	W2	2x4
Weld	2x4	SP #20	:	W2	2x4
Weld	2x4	SP #21	:	W2	2x4
Weld	2x4	SP #22	:	W2	2x4
Weld	2x4	SP #23	:	W2	2x4
Weld	2x4	SP #24	:	W2	2x4
Weld	2x4	SP #25	:	W2	2x4
Weld	2x4	SP #26	:	W2	2x4
Weld	2x4	SP #27	:	W2	2x4
Weld	2x4	SP #28	:	W2	2x4
Weld	2x4	SP #29	:	W2	2x4
Weld	2x4	SP #30	:	W2	2x4
Weld	2x4	SP #31	:	W2	2x4
Weld	2x4	SP #32	:	W2	2x4
Weld	2x4	SP #33	:	W2	2x4
Weld	2x4	SP #34	:	W2	2x4
Weld	2x4	SP #35	:	W2	2x4
Weld	2x4	SP #36	:	W2	2x4
Weld	2x4	SP #37	:	W2	2x4
Weld	2x4	SP #38	:	W2	2x4
Weld	2x4	SP #39	:	W2	2x4
Weld	2x4	SP #40	:	W2	2x4
Weld	2x4	SP #41	:	W2	2x4
Weld	2x4	SP #42	:	W2	2x4
Weld	2x4	SP #43	:	W2	2x4
Weld	2x4	SP #44	:	W2	2x4
Weld	2x4	SP #45	:	W2	2x4
Weld	2x4	SP #46	:	W2	2x4
Weld	2x4	SP #47	:	W2	2x4
Weld	2x4	SP #48	:	W2	2x4
Weld	2x4	SP #49	:	W2	2x4
Weld	2x4	SP #50	:	W2	2x4
Weld	2x4	SP #51	:	W2	2x4
Weld	2x4	SP #52	:	W2	2x4
Weld	2x4	SP #53	:	W2	2x4
Weld	2x4	SP #54	:	W2	2x4
Weld	2x4	SP #55	:	W2	2x4
Weld	2x4	SP #56	:	W2	2x4
Weld	2x4	SP #57	:	W2	2x4
Weld	2x4	SP #58	:	W2	2x4
Weld	2x4	SP #59	:	W2	2x4
Weld	2x4	SP #60	:	W2	2x4
Weld	2x4	SP #61	:	W2	2x4
Weld	2x4	SP #62	:	W2	2x4
Weld	2x4	SP #63	:	W2	2x4
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Weld	2x4	SP #68	:	W2	2x4
Weld	2x4	SP #69	:	W2	2x4
Weld	2x4	SP #70	:	W2	2x4
Weld	2x4	SP #71	:	W2	2x4
Weld	2x4	SP #72	:	W2	2x4
Weld	2x4	SP #73	:	W2	2x4
Weld	2x4	SP #74	:	W2	2x4
Weld	2x4	SP #75	:	W2	2x4
Weld	2x4	SP #76	:	W2	2x4
Weld	2x4	SP #77	:	W2	2x4
Weld	2x4	SP #78	:	W2	2x4
Weld	2x4	SP #79	:	W2	2x4
Weld	2x4	SP #80	:	W2	2x4
Weld	2x4	SP #81	:	W2	2x4
Weld	2x4	SP #82	:	W2	2x4
Weld	2x4	SP #83	:	W2	2x4
Weld	2x4	SP #84	:	W2	2x4
Weld	2x4	SP #85	:	W2	2x4
Weld	2x4	SP #86	:	W2	2x4
Weld	2x4				

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.14" due to live load and 0.15" due to dead load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

WFRS loads based on trusses located at least 31.57 ft. from roof edge.

1110 mph wind. 15.78 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

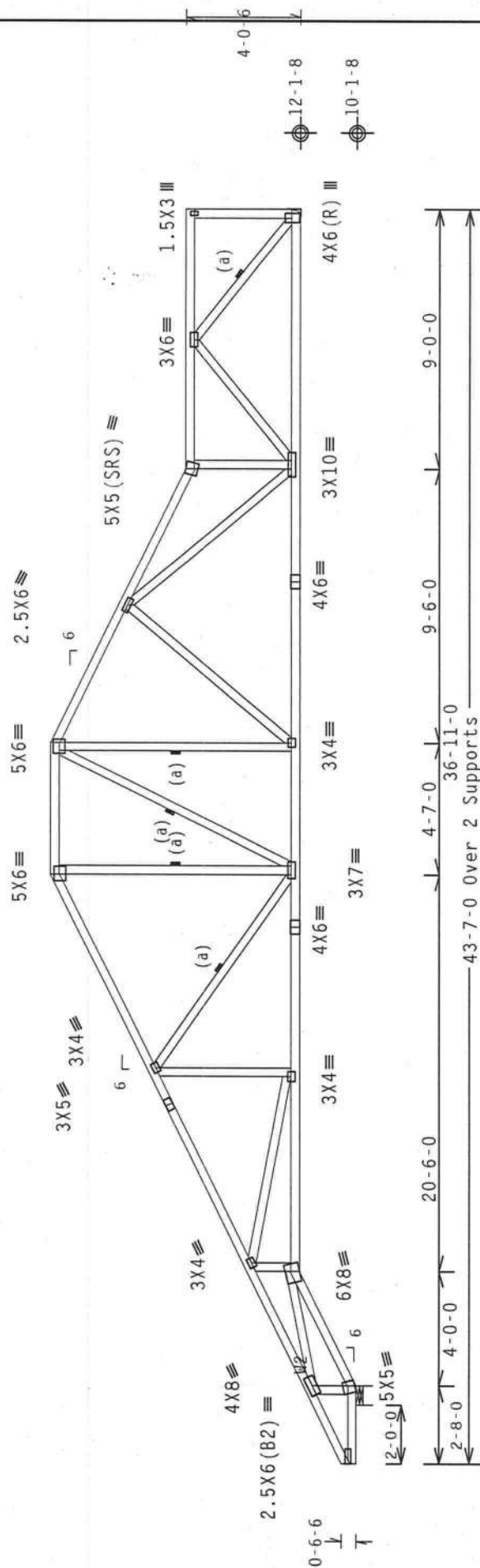
wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.



R=1921 H=0 W=8"

RL=202/-153

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Design criteria: 100000/Res/100000
FT/RT=10%(0

*WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS TO ALL COMPACTORS INCLUDING INSTALLERS.

*IMPORTANT**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and MICA) for instructions and details for bracing of trusses. Trusses shall be braced per the instructions and details for bracing of trusses prior to performing these functions. Installers shall provide temporary bracing per the instructions and details for bracing of trusses prior to performing these functions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group, Inc. (IBCG) shall be responsible for any action from this drawing. IBCG shall be responsible for the design of the structure. IBCG shall be responsible for the failure to build the structure in conformity with ANSI/TPI 1 for handling, shipping, installing, and erecting of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the 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: General notes page: IWB-BUG; www.tbucy.com; ITW1:www.itw1.com; IBCA:www.specindustry.com;

R-1678 U-24 H-Simpson HUS26

Supported Member Face: (4) 0.148"x3"

Supporting Member Face: (14) 0.148"x3

Supporting Member : (2) 2x6 SP #2

PLT TYP. Wave

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

Scale = .1875"/Ft.

TC 11	20 0 PSE
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Time (h)	Temperature (°C)	Pressure (atm)	Flow rate (L/min)	Conversion (%)	Yield (%)	Product (g)	Product (mol)	Product (L)	Product (kg)
0	20.0	1.0	1.0	0	0	0.0	0.0	0.0	0.0
1	20.0	1.0	1.0	10	10	0.1	0.001	0.1	0.1
2	20.0	1.0	1.0	20	20	0.2	0.002	0.2	0.2
3	20.0	1.0	1.0	30	30	0.3	0.003	0.3	0.3
4	20.0	1.0	1.0	40	40	0.4	0.004	0.4	0.4
5	20.0	1.0	1.0	50	50	0.5	0.005	0.5	0.5
6	20.0	1.0	1.0	60	60	0.6	0.006	0.6	0.6
7	20.0	1.0	1.0	70	70	0.7	0.007	0.7	0.7
8	20.0	1.0	1.0	80	80	0.8	0.008	0.8	0.8
9	20.0	1.0	1.0	90	90	0.9	0.009	0.9	0.9
10	20.0	1.0	1.0	100	100	1.0	0.010	1.0	1.0

10.0 PSF TC DL

3C DL 10.0 PSF

[illegible]

77 38 0.0 454

T0T.LD. 40.0 PSF

OUR FAC	1	25
---------	---	----

BOOK: FAC. 1.23

SPACING 24.0"

Top chord 2x4 SP #1 :T2, T3 2x6 SP #2:
Bot chord 2x4 SP #1
Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

(b) 1x4 #3SRB SpF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

Left side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. End jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. Right side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang.

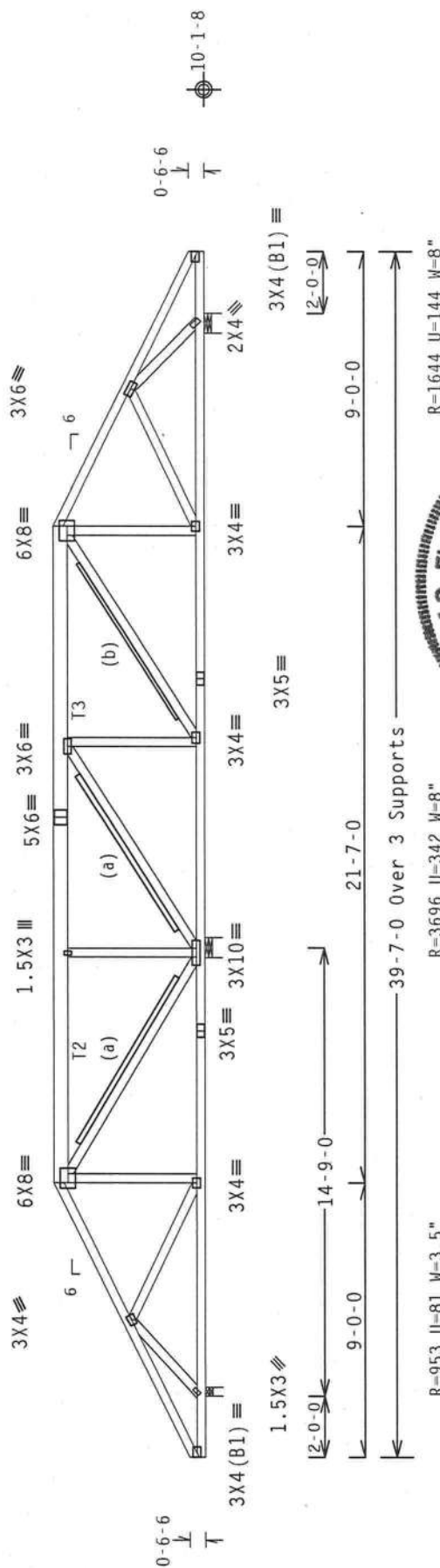
11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpt (+/-)=0.18

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

(a) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 6d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

Deflection meets L/240 live and L/180 total load.



R=953 11=81 W=3 5"

R=3696 I=342 W=8"

R=1644 U=144 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

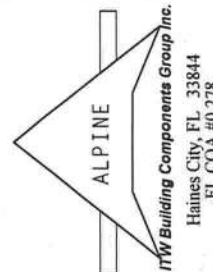
FL/-/4/-/-/R/-

Scale = .1875"/Ft.

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety) Information, by TPI and WCA for trussing practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Trusses must be braced laterally at all points where they are supported. If the design requires it, installers shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of ceiling joists shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

[illegible]

TC LL	20.0	PSF	REF R487--	51173
TC DL	10.0	PSF	DATE	01/23/12
BC DL	10.0	PSF	DRW	HCUSR487 12023069
BC LL	0.0	PSF	HC-ENG	DF/DF
TOT.LD.	40.0	PSF	SEQN-	262206
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UIY487_Z01

Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1
	webs	2x4	SP	#3

Left and right cantilevers are exposed to wind

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

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

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

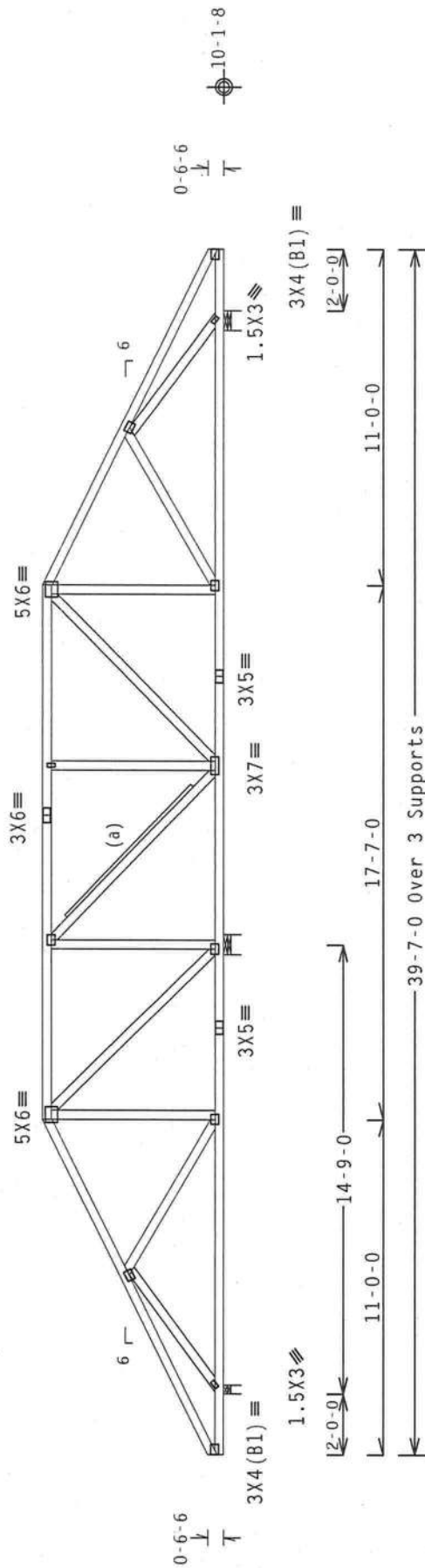
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

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.

Deflection meets L/240 live and L/180 total load.

1.5X3 III



R=615 H=39 W=3 5"

RL=119/-119

R=1712 H=179 W=8"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

Design Client: FBC200/Kes/1
FT/RT=10%(0

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

****IMPORTANT**** These drawings are for informational purposes only. They are not to be used for construction. The manufacturer shall be responsible for providing the correct dimensions and materials for the installation. The manufacturer shall be responsible for providing the correct dimensions and materials for the installation. The manufacturer shall be responsible for providing the correct dimensions and materials for the installation.

[illegible]

10.03.04.0604.16 QTY 1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

RFF R487-- 51174

DATE 01/23/12

DATE 01/23/10

DRW HCUR487 12023070

HC-ENG DF/DF

SEQN- 262222

JREF- 111Y487 701

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

Left and right cantilevers are exposed to wind

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

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

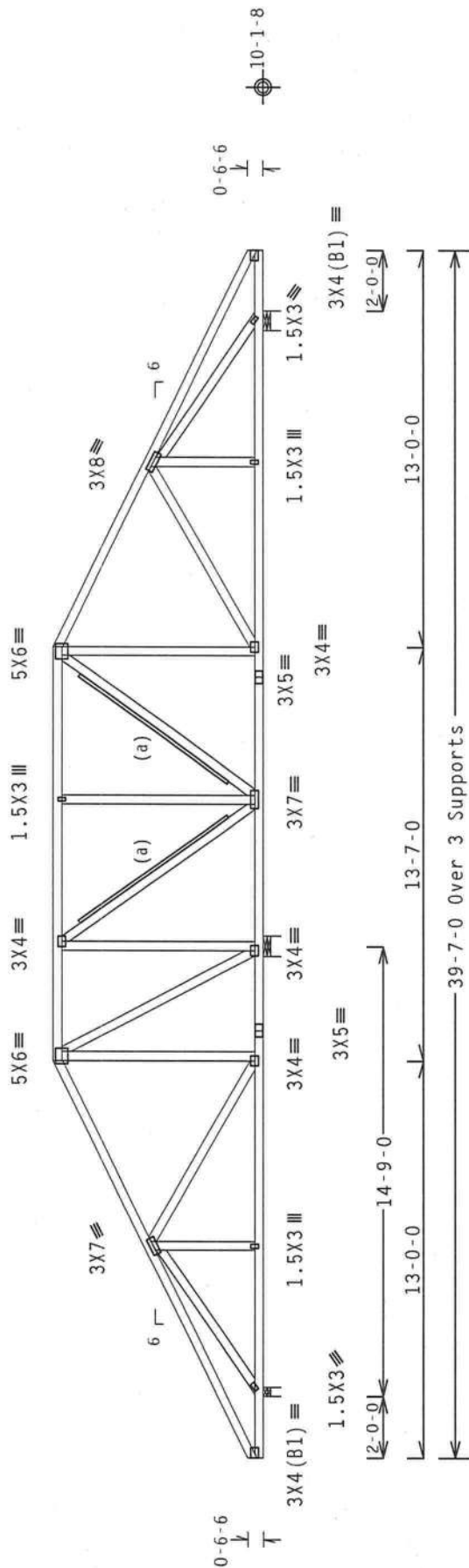
WFRS loads based on trusses located at least 7.50 ft. from roof edge.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCpt (+/-)=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.



P=578 I=37 W=3 5"

RL=141/-141

B=1775 H=178 W=8"

39-7-0 Over 3 Supports

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD),

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

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

Scale = .1875"/Ft.

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Rafter to and

follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) Form SA (etc.) practices prior to performing these functions. Installers shall provide temporary bracing new floor joists in areas where the existing joists are to be removed.

Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord

shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs.

shall have bracing installed per BCSL sections 83, 87 or B10, as applicable.

ITT Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design.

any failure to build the truss in conformance with ANSI/APT 1, or for handling, shipping, installation or use of the truss. Apply plates to each face of truss and position as shown above and on the location of trusses. Apply plates to each face of truss and position as shown above and on the location of trusses.

metals, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the

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 shall be the responsibility of the Building Designer per ANSI/UPC 1 Sec. 2 For more information see: This Job: _____

the responsibility of the building designer. For more information see: www.tpinst.org; www.sbcindustry.com; general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WICA: www.sbcindustry.com;

CC: www.iccsafe.org

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - H130)

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

Left and right cantilevers are exposed to wind

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

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

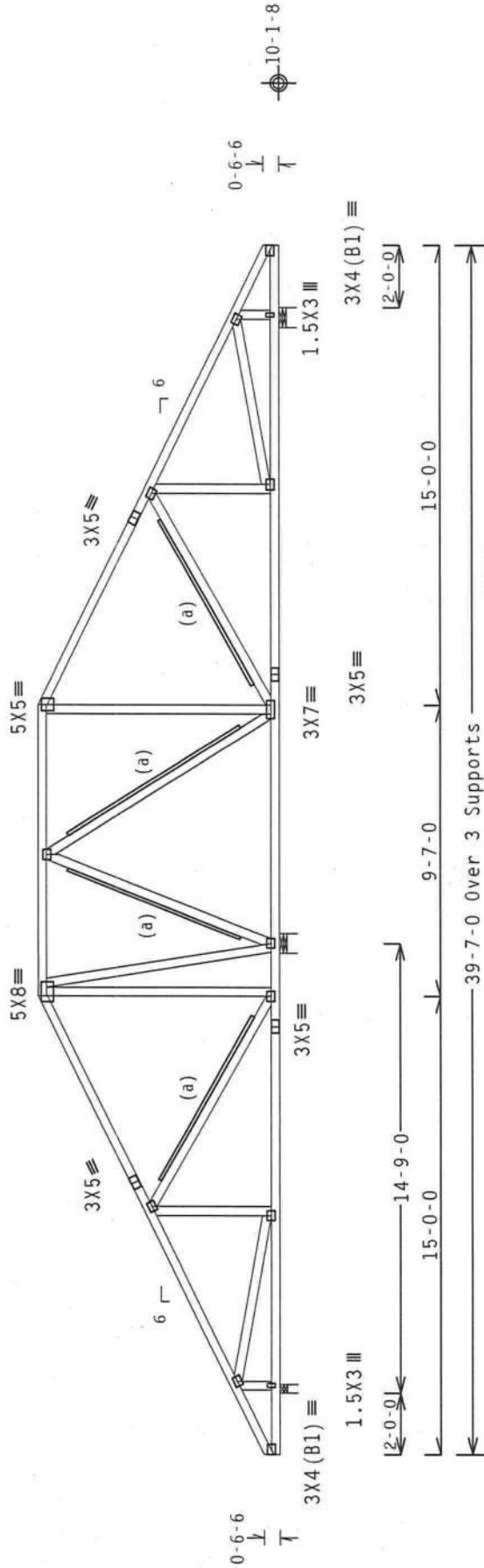
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. W=1.00 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.

Deflection meets L/240 live and L/180 total load.



R-616 U=0 W=3.5"
RL=163/-163

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

R-1729 U=0 W=8"

R-916 U=0 W=8"

Scale = .1875"/Ft.

REF R487-- 51176

DATE 01/23/12

DRW HCUSR487 12023072

HC-ENG DF/DF

SEQN- 262250

JREF- 1UIY487_Z01

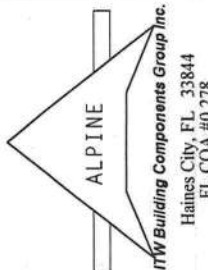


WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

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 Components Safety Information, by TPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in accordance 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 joint. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: IITW-BCG: www.iitwbcg.com; TPI: www.tpiinst.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



(12-010--Fill in later BRYAN ZECHER/NEELY -- , ** - H150)

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

Left and right cantilevers are exposed to wind

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

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

Deflection meets L/240 live and L/180 total load.

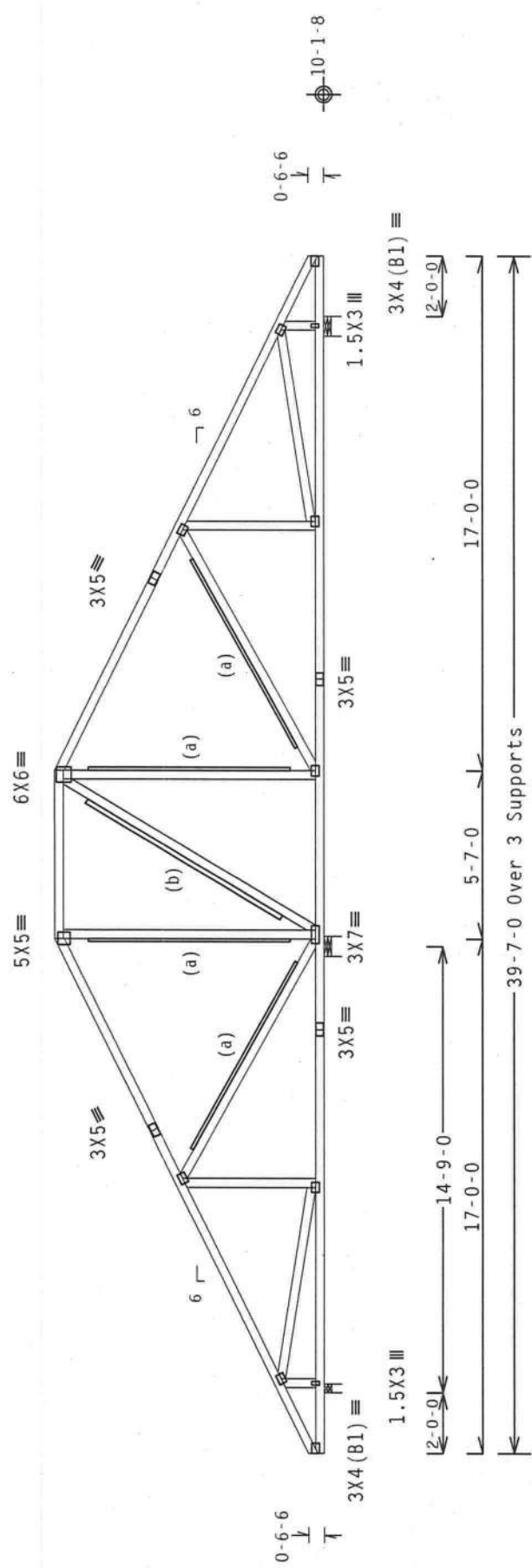
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18

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

(b) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

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



R-856 U=0 W=3.5"
RL=185/-185

R-1312 U=0 W=8"

R-1092 U=0 W=8"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave

Scale = .1875" / Ft.

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278		Douglas Fleming License No. 66648 Professional Engineer State of Florida 10/23/2012		QTY 1	FL / - / 4 / - / - / R / -	TC LL	20.0 PSF	REF	R487 -- 51177
						TC DL	10.0 PSF	DATE	01/23/12
						BC DL	10.0 PSF	DRW	HCUSR487 12023073
						BC LL	0.0 PSF	HC-ENG	DF/DF
						TOT.LD.	40.0 PSF	SEQN	262263
						DUR.FAC.	1.25		
						SPACING	24.0"	JREF	1UIY487_Z01

(12-010--Fill in later BRYAN ZECHER/NEELY -- , ** - H170)

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

Left and right cantilevers are exposed to wind

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

(b) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

MMFRS loads based on trusses located at least 15.41 ft. from roof edge.

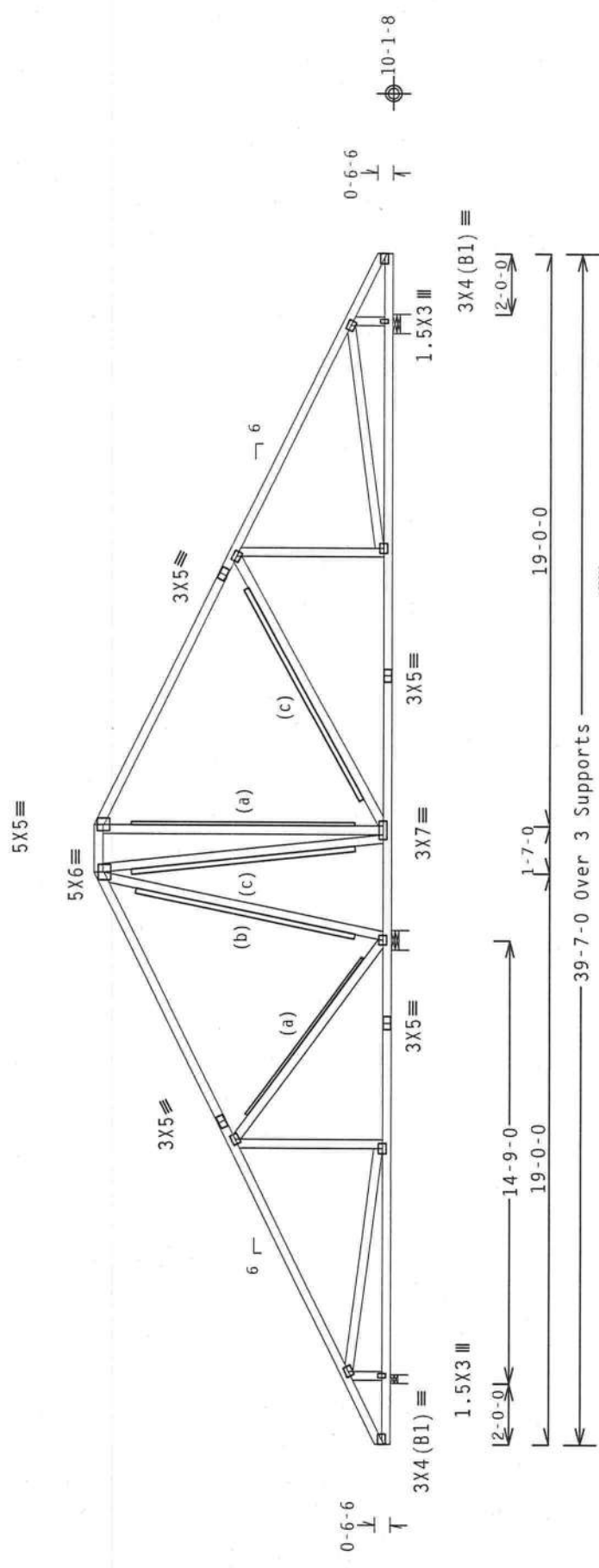
110 mph wind, 15.41 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpf (+/-)=0.18

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

(c) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.



R-678 U=0 W=3.5"
RL=207/-207

R=1622 U=0 W=8"

R=960 U=0 W=8"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0(0)

Scale = .1875"/Ft.

PLT TYP. Wave	FL/-4/-1-/R/-	TC LL	20.0 PSF	REF	R487--	51178
		TC DL	10.0 PSF	DATE	01/23/12	
		BC DL	10.0 PSF	DRW	HCUSR487	12023074
		BC LL	0.0 PSF	HC-ENG	DF/DF	
		TOT.LD.	40.0 PSF	SEQN-	262277	
		DUR.FAC.	1.25			
		SPACING	24.0"	JREF-	1UIY487_Z01	

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/23/2012

ALPINE
iTW 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.
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 NICA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
iTW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing, or any other aspect of the truss system. Details, unless noted otherwise, shall conform to the latest edition of the BCSI standard. The drawing or cover page listing this design, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - D)

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

Left and right cantilevers are exposed to wind

(a) Continuous lateral bracing equally spaced on member.

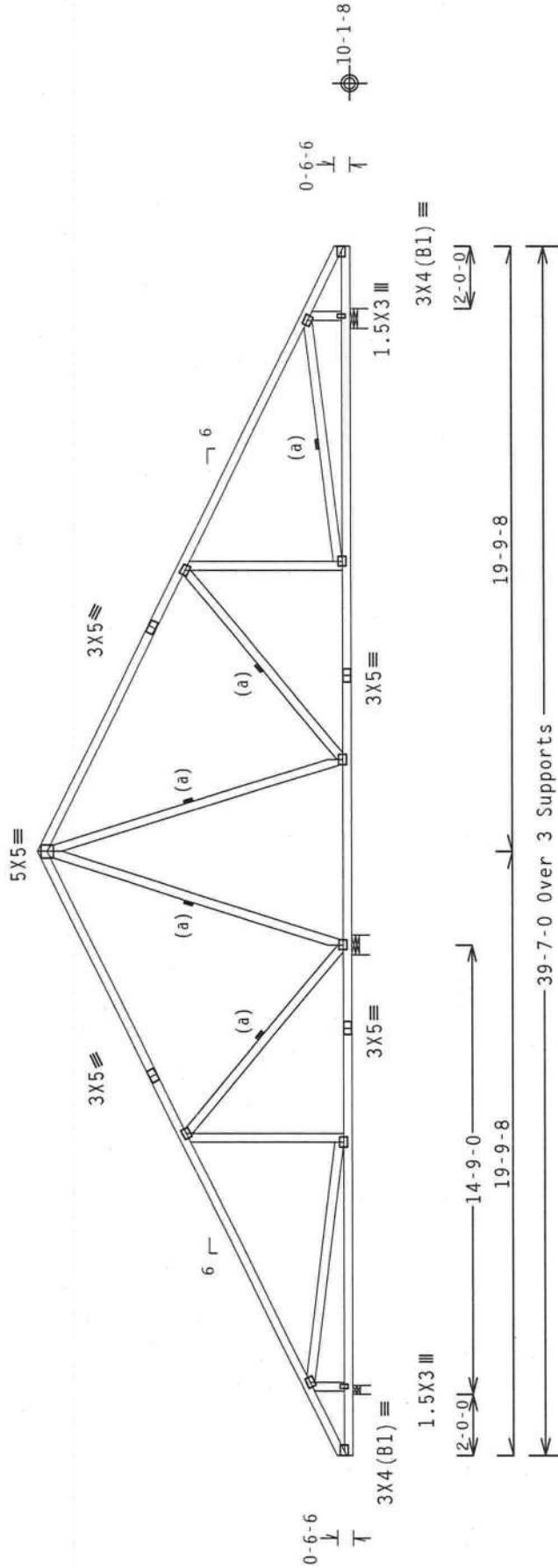
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.61 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 gcpl(+/-)=0.18

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

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

MWFRS loads based on trusses located at least 15.61 ft. from roof edge.



R-653 U=0 W=3.5
RL-216/-216

R-1666 U=0 W=8"

R-942 U=0 W=8"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

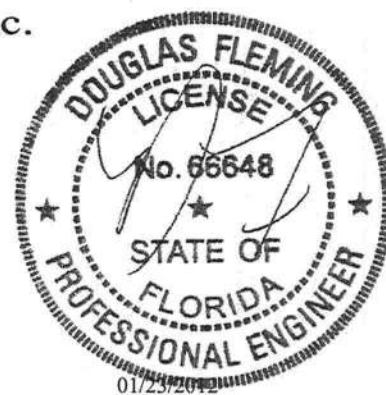
FL/-/4/-/-/R/-

Scale = .1875"/Ft.

ALPINE

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 2 of 2 Document ID:1UIY487-Z0123083510



Truss Fabricator: Anderson Truss Company
Job Identification: 12-010--F111 in later BRYAN ZECHER/NEELY -- , **
Truss Count: 143
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-160TL-PB120-

#	Ref	Description	Drawing#	Date
73	51180--DG		12023076	01/23/12
74	51181--DV		12023077	01/23/12
75	51182--DV1		12023078	01/23/12
76	51183--E		12023079	01/23/12
77	51184--ES		12023080	01/23/12
78	51185--ES		12023081	01/23/12
79	51186--EV1		12023082	01/23/12
80	51187--EV2		12023083	01/23/12
81	51188--EV3		12023084	01/23/12
82	51189--H7G		12023085	01/23/12
83	51190--EJ7		12023086	01/23/12
84	51191--CJ1		12023087	01/23/12
85	51192--CJ3		12023088	01/23/12
86	51193--CJ5		12023089	01/23/12
87	51194--HJ7		12023090	01/23/12
88	51195--EJ9		12023091	01/23/12
89	51196--HJ5		12023092	01/23/12
90	51197--CJ3C		12023093	01/23/12
91	51198--CJ1C		12023001	01/23/12
92	51199--HJ9C		12023094	01/23/12
93	51200--EJ7S		12023002	01/23/12
94	51201--HJ7C		12023095	01/23/12
95	51202--HJ9		12023096	01/23/12
96	51203--CJ1V		12023143	01/23/12
97	51204--CJ3V		12023097	01/23/12
98	51205--CJ5V		12023098	01/23/12
99	51206--EJ7V1		12023099	01/23/12
100	51207--EJ7V2		12023100	01/23/12
101	51208--EJ7V3		12023101	01/23/12
102	51209--HJ7V		12023102	01/23/12
103	51210--EJ7G		12023103	01/23/12
104	51211--JV1		12023104	01/23/12
105	51212--JV2		12023105	01/23/12
106	51213--JV3		12023106	01/23/12
107	51214--JV4		12023003	01/23/12
108	51215--JV5		12023107	01/23/12

#	Ref	Description	Drawing#	Date
109	51216--JV7		12023004	01/23/12
110	51217--JV6		12023108	01/23/12
111	51218--JV8		12023109	01/23/12
112	51219--JV9		12023110	01/23/12
113	51220--JV10		12023111	01/23/12
114	51221--JVG		12023112	01/23/12
115	51222--EJ7G1		12023113	01/23/12
116	51223--H7K		12023114	01/23/12
117	51224--K		12023115	01/23/12
118	51225--KS		12023116	01/23/12
119	51226--H7L		12023117	01/23/12
120	51227--H9L		12023118	01/23/12
121	51228--LG		12023119	01/23/12
122	51229--MG		12023120	01/23/12
123	51230--M		12023121	01/23/12
124	51231--MS		12023005	01/23/12
125	51232--MG1		12023122	01/23/12
126	51233--MV1		12023123	01/23/12
127	51234--MV2		12023124	01/23/12
128	51235--MVG		12023125	01/23/12
129	51236--BP		12023126	01/23/12
130	51237--H21BP		12023127	01/23/12
131	51238--H23BP		12023128	01/23/12
132	51239--H25BP		12023129	01/23/12
133	51240--H27BP		12023130	01/23/12
134	51241--H21AP		12023131	01/23/12
135	51242--H23AP		12023132	01/23/12
136	51243--H25AP		12023133	01/23/12
137	51244--H27AP		12023134	01/23/12
138	51245--H29AP		12023135	01/23/12
139	51246--AP1		12023136	01/23/12
140	51247--AP2		12023137	01/23/12
141	51248--AP3		12023138	01/23/12
142	51249--AP4		12023139	01/23/12
143	51250--BP1		12023140	01/23/12

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID:1UIY487-Z0123083510

Truss Fabricator: Anderson Truss Company
Job Identification: 12-010--F111 in later BRYAN ZECHER/NEELY -- , **
Truss Count: 1
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record:
Address:

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	51203--CJ1V		12023143	01/23/12



-Truss Design Engineer-
Douglas Fleming

1950 Marley Drive
Haines City, FL 33844

ALPINE

3 COMPLETE TRUSSES REQUIRED

W5, W16 2x4 SP #2: W17 2x6 SP #2: W22 2x8 SP #1 Dense:

Special loads

Spectral bands	(Lumber	Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC-From	62 pif at 0.00 to	62 pif at 7.06
TC-From	31 pif at 7.06 to	31 pif at 10.53
TC-From	31 pif at 10.53 to	31 pif at 17.79
TC-From	31 pif at 17.79 to	31 pif at 25.06
TC-From	31 pif at 25.06 to	31 pif at 32.94
TC-From	62 pif at 32.94 to	62 pif at 35.58
BC-From	22 pif at 0.00 to	22 pif at 4.67
BC-From	20 pif at 4.67 to	20 pif at 7.06
BC-From	10 pif at 7.06 to	10 pif at 18.67
BC-From	10 pif at 18.67 to	10 pif at 30.92
BC-From	11 pif at 30.92 to	11 pif at 32.94
BC-From	22 pif at 32.94 to	22 pif at 35.58

PLB- 3592.91	lb Conc. Load at	(7.06, 12.16)	
PLB- 1678.26	lb Conc. Load at	(9.06, 12.16)	(13.06, 12.16)
PLB- 1516.12	lb Conc. Load at	(18.94, 12.16)	(22.94, 12.16)
PLB- 124.94	lb Conc. Load at	(26.94, 12.16)	
PLB- 24.94	lb Conc. Load at	(30.94, 12.16)	
PLB- 32.94	lb Conc. Load at		

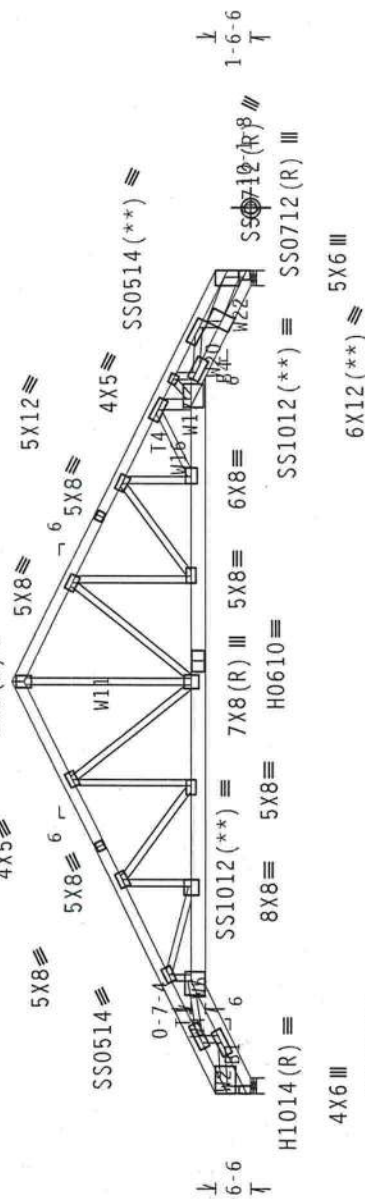


Diagram of a beam with a total length of 35.7 m. The beam is supported at two points, creating two spans of 17.9 m each and a central gap of 4.8 m. A point load of 26.3 kN is applied at the center of the gap. A uniformly distributed load (UDL) of 4.8 kN/m is applied over the entire length of the beam.

P=12840 H=817 W=8"

R=14455 U=470.

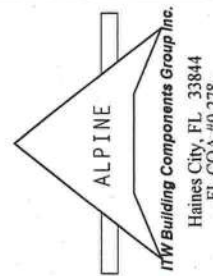
PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=10%(0%)/0(0)

FL/-/4/-/-/R/-
Scale = .125"/Ft.

****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. Refer to the latest edition of BCSI (Building Components Safety Information, by FPI and WCA) for detailed information on the correct bracing of trusses. Trusses shall be braced in accordance with the following table and otherwise, two (2) shall have properly attached structural sheathing and battens installed over the top chord. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IHV Building Components Group Inc. (IHBCG) shall not be responsible for any deviation from this drawing. The user of this drawing shall be responsible for determining the appropriate application of this drawing. IHBCG does not warrant or accept responsibility for the accuracy of the information contained herein. IHBCG shall not be responsible for any damage or loss resulting from the use of this drawing. Apply plates to each face of studs and position as shown above and on the joint details, unless noted otherwise. Refer to drawings IHB-2 for standard plate positions. A seal on the 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/JPI 1 sec.2. For more information see: This Job's General Notes page; IHB-Tubecy.com; JPI website: www.jpi.org; IHCA: www.saciindustries.com; IHBCG website: www.tubecy.com.



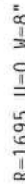
TC LL	20.0 PSF	REF R487 -- 51180
TC DL	10.0 PSF	DATE 01/23/12
BC DL	10.0 PSF	DRW HCUSR487 12023076
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 263655
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIY487 Z01

110 mph wind, 15.61 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf (+/-)=0.18

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

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

Deflection meets L/240 live and L/180 total load.



R=1747 U=0 W=8"
RL=227/-227

Design Crit: FBC2007Res/TPI-2002 (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****

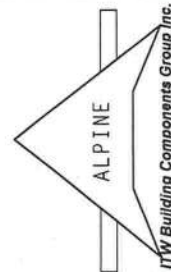
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Components Information, by IPI and MICA) for general practices prior to performing these functions. Steel trusses should be braced at the bottom chord and have a properly attached field cable. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSP sections B3, B7 and B10, as applicable.

ITW Building Components Group Inc. (IBCG) shall not be responsible for any deviation from the design shown. The user assumes full responsibility for any failure to build the truss in conformance with ANSI/P1, or for handling, shipping, installing, or attaching the truss. Apply plates per each design detail. Do not use standard plates or bolts. For each design detail, refer each design detail to the standard plate position. A structural engineering drawing listing the design shown. Indicates acceptance of professional engineering design. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/P1 Sec.2. For more information see: This Job's General notes page; ITH-BG02; www.ubcg.com; P1: www.tpinet.org; MICA: www.sbcindustrial.com; ITH-BG01; www.ubcg.com; P1: www.tpinet.org; MICA: www.sbcindustrial.com;

Scale = .1875" / Ft.

TC LL	20.0	PSF	REF	R487--	51181
TC DL	10.0	PSF	DATE	01/23/12	
BC DL	10.0	PSF	DRW	HCUSR487	12023077
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	262310	
DUR,FAC.	1.25				
SPACING	24.0"		JREF-	1UIY487	Z01

2013/03/23



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - DV1)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3 :W2, W12 2x4 SP #2:
:W13 2x6 SP #2:

Left cantilever is exposed to wind

Calculated horizontal deflection is 0.19" due to live load and 0.20" due to dead load.

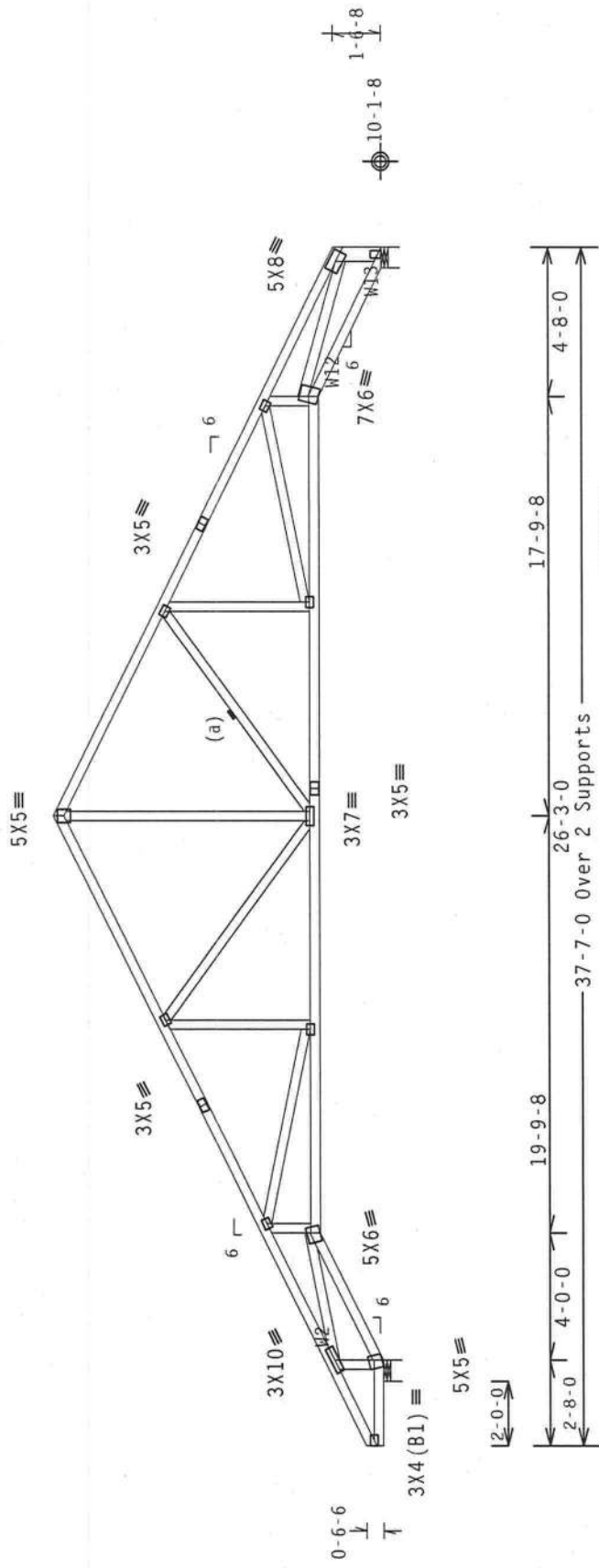
Deflection meets L/240 live and L/180 total load.

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

(a) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 15.61 ft. from roof edge.



R-1661 U=0 W=8"
RL-208/-199

Note: All Plates Are 3x4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for details and instructions. Trusses shall be installed in accordance with the instructions and details shown on this drawing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. ITWBCG: www.itwbcg.com; TPI: www.tpinet.org; WICA: www.structure.com; ICC: www.iccsafe.org

ALPINE

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

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	Scale = .1875"/Ft.
TC DL	10.0 PSF		REF R487 -- 51182
BC DL	10.0 PSF		DATE 01/23/12
BC LL	0.0 PSF		DRW HCUSR487 12023078
TOT.LD.	40.0 PSF		HC-ENG DF/DF
DUR.FAC.	1.25		SEQN- 262322
SPACING	24.0"		JREF- 1UIY487_Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI (+/-)=0.18

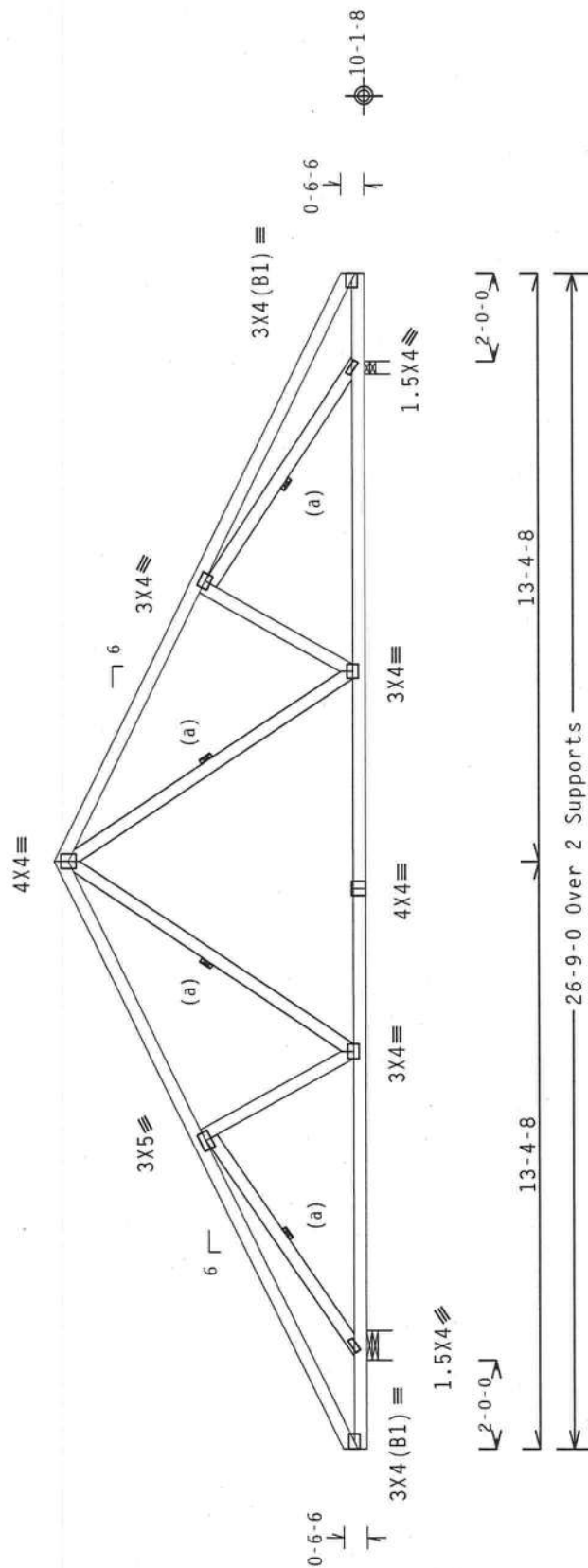
Left and right cantilevers are exposed to wind

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

(a) Continuous lateral bracing equally spaced on member.

(a) continuous lateral bracing equality spaced on member.

Deflection meets L/240 live and L/180 total load.



R=1187 U=0 W=8"
RL=137/-137

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .25"/Ft.

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

10.03.04.0604.16 QTY

(2012)

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

DESIGN CLUB

PLOT TYP. Wave

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET
BEFORE 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 BCSP Building Component Safety Information, by American Iron and Steel Institute, for complete details on the proper bracing of trusses. 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 of webs shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the manufacturer's design or specifications, or any failure to build the truss in accordance with ANSI/IPI-1 or for handling, shipping, installing or packaging of trusses. Apply plates to each face of truss and position as shown above and on the Job's drawings. Do not alter the design or specifications of the truss. Do not alter the position of the truss or the location of the gusset plates, unless noted otherwise. Refer to drawings IBCG-2 for standard plate positions. A seal on the bottom flange of the truss indicates acceptance of professional engineering inspection and approval. The responsibility for the building is solely the building owner's. For more information see: This Job's drawings. ITWBCG's website is www.itwbcg.com; ANSI/IPI-1 is www.ipinstd.org; NCA is www.nccsafe.org; and IBCG-2 is www.itwbcg.com.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Haines City, FL 33844
FL COA #0278

1

	Top chord	2x4	SP	#1
	Bot chord	2x4	SP	#1
	Web	2x4	SP	#3

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Deflection meets L/240 live and L/180 total load.

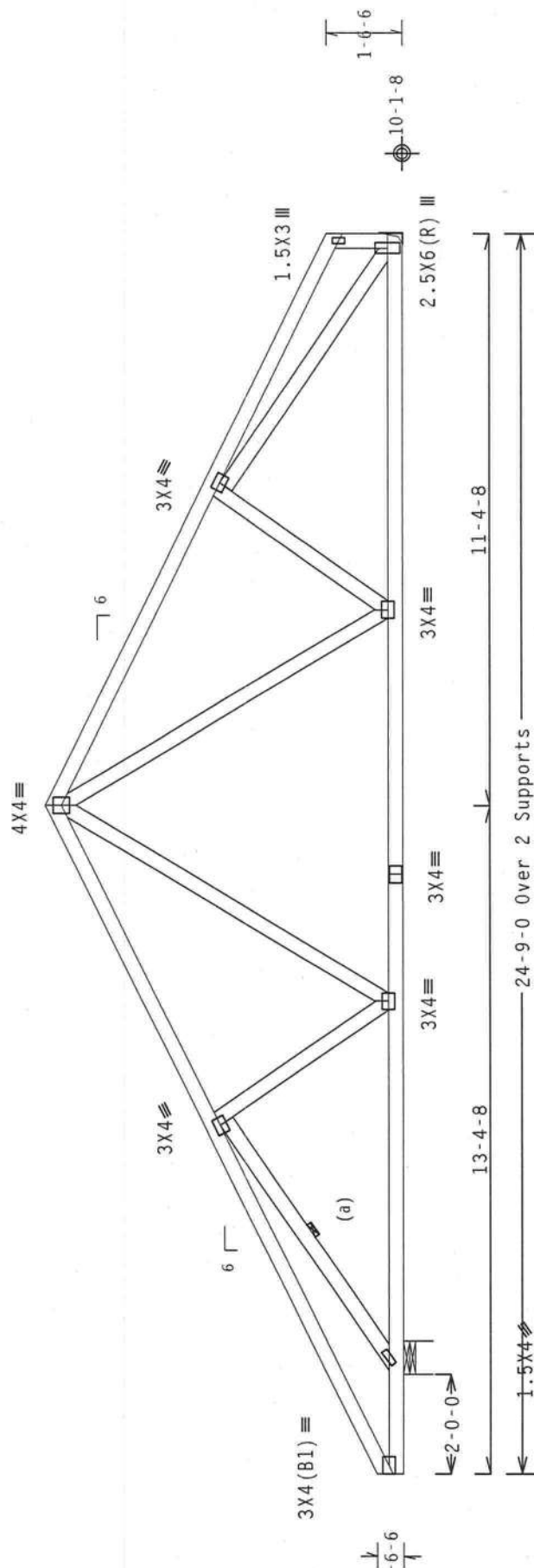
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

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

Continuous lateral bracing equally spaced on member.

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

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



R=1192 U=0 W=8"
RL=132/-122

R=978 U=0 H=Simpson LUS26
Supported Member Face: (4) 0.148"x3"
Supporting Member Face: (4) 0.148"x3"
Supporting Member : (1) 2x6 SP #2

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (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 following latest edition of BCSP (Building Component Safety Information, by IPI and NICA) for details on practices noted otherwise. Installers shall provide temporary bracing per BCSP. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Conditions shown for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

LTV Building Components Group Inc. (LTVBCG) shall not be responsible for any deviation from the manufacturer's instructions or specifications for the use of its products. LTVBCG shall not be responsible for any failure to build the truss in conformance with ANSI/P1 or for handling, shipping, installation or packaging of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail drawings. The drawings are intended to provide information regarding the design and construction details, unless noted otherwise. Refer to drawings IBO-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility and/or coverage by the design shown. The suitability and use of this design for any structure is the responsibility of the building designer/engineer. Sec'd: _____
LTVBCG: www.ltvbcg.com; P1: www.p1instl.com; NCA: www.ncaindustry.com;
IBO: www.ibocsg.org



FL/-/4/-/-/R/-		Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R487-- 51184
TC DL	10.0 PSF	DATE 01/23/12
BC DL	10.0 PSF	DRW HCUR487 12023080
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 262904
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIY487_Z01

(12-010--F111 in later BRYAN ZECHER/NEELY -- , ** - ES)

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

Right cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Deflection meets L/240 live and L/180 total load.

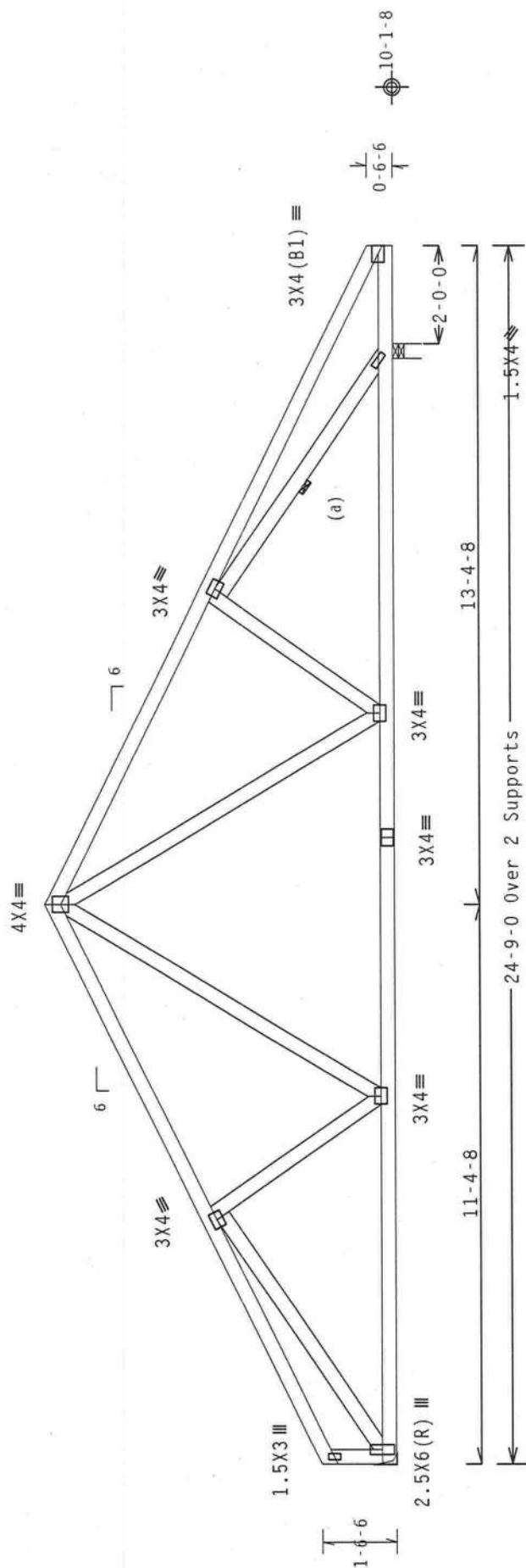
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI(+/-)=0.18

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

(a) Continuous lateral bracing equally spaced on member.

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

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



R-988 U=0
RL=122/-132 H-Simpson LUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (1) 2x6 SP #2
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave R=1182 U=0 W=3.5" Scale = .3125"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISHING** READ AND FOLLOW ALL NOTES ON THIS SHEET! Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCSI: www.itwbcg.com; TPI: www.tpiinst.org; WICA: www.bcindustry.com; ICC: www.iccsafe.org			
	IMPORTANT** FURNISHING** READ AND FOLLOW ALL NOTES ON THIS SHEET! Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCSI: www.itwbcg.com; TPI: www.tpiinst.org; WICA: www.bcindustry.com; ICC: www.iccsafe.org			
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	IMPORTANT** FURNISHING** READ AND FOLLOW ALL NOTES ON THIS SHEET! Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCSI: www.itwbcg.com; TPI: www.tpiinst.org; WICA: www.bcindustry.com; ICC: www.iccsafe.org			
QTY 5		FL/-/4/-/1-R/-	TC LL 20.0 PSF	REF R487-- 51185
			TC DL 10.0 PSF	DATE 01/23/12
			BC DL 10.0 PSF	DRW HCUSR487 12023081
			BC LL 0.0 PSF	HC-ENG DF/DF
			TOT.LD. 40.0 PSF	SEQN- 262990
			DUR.FAC. 1.25	
			SPACING 24.0"	JREF- 1UIY487_Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

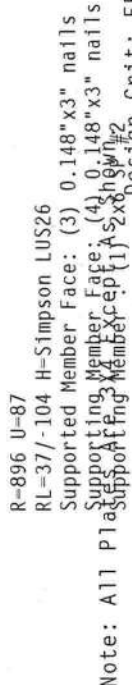
Wind loads and reactions based on MWFRS with additional C&C member design.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Deflection meets L/240 live and L/180 total load.

Deflection meets L/240 live and L/180 total load.



general notes page: ITN-BCG: www.itnbcg.com; TPI: www.tpi.com
ICC: www.iccsafe.org

FL/-/4/-/-R/-	Scale = .3125"/Ft.
TC LL 20.0 PSF	REF R487-- 51186
TC DL 10.0 PSF	DATE 01/23/12
BC DL 10.0 PSF	DRW HCUSR487 12023082
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 263002
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UIY487_Z01

S.04 060316
 No. 66648
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 01/23/2012

g and bracing. Rebar can be used for bracing and lateral restraint of steel beams. Rebar is also used for bracing and bottom chord lateral restraint of steel joists. Any deviation from this design, shipping, installation above and on the joint positions. A seal on the professional engineering design for any structure is required. For more information visit www.abctindustry.com.

FOR ALL NOTES ON THIS SHEET, SEE THE REVERSE SIDE.
FACTORS INCLUDING INSTALLERS,
handling, shipping, installation,
Safety Information, or
properly attached structural
Locations shown for permanent
83, 87 or 810, as applicable.

[illegible]

****IMPORTANT****

Trusses require
follow the latest
code and details.
Unless noted other
shall have a propo
shall have bracing
11W Building Co
any failure to bu
bracing of trusses
Details, unless n
drawing or cover
responsibility so
the responsibility
155C: www.155Caf
155C: www.155Caf

 **155C Inc.**

PLT TYP. Wave

ALPINE

ITW Building Components Group
Haines City, FL 33844
Tel. 800/441-0778
FL COA #0-278

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - EV2)

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

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.

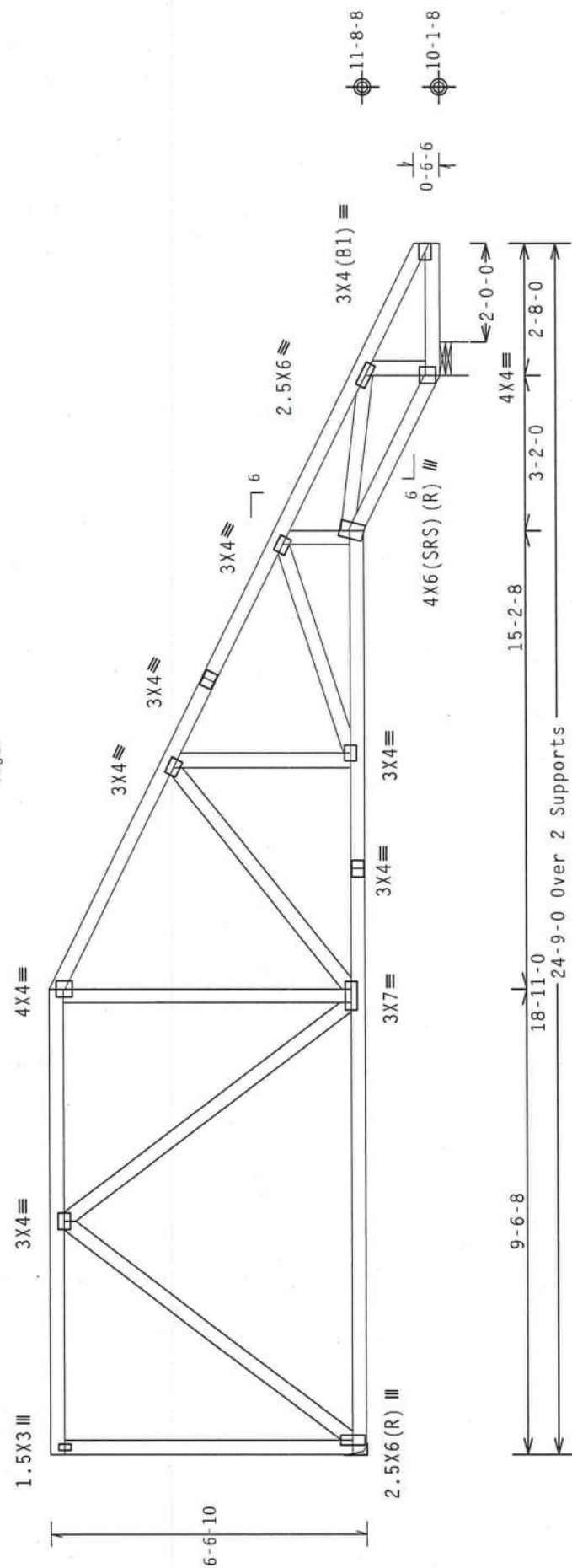
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



R-897 U-77
RL-47/-125 H-Simpson LUS26
Supported Member Face: (3) 0.148"x3" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (1) 2x6 Sp #2
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave	R-1149 U=0 W=8"		Scale = .3125"/Ft.
	TC LL	20.0 PSF	REF R487 -- 51187
ALPINE Haines City, FL 33844 FL COA #0 278	TC DL	10.0 PSF	DATE 01/23/12
	BC DL	10.0 PSF	DRW HCUSR487 12023083
ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	BC LL	0.0 PSF	HC-ENG DF/DF
	TOT.LD.	40.0 PSF	SEQN- 263012
Douglas Fleming Professional Engineer No. 66648 State of Florida Professional Engineer 10-3-04/0601.16	DUR.FAC.	1.25	JREF- 1UIY487_Z01
	SPACING	24.0"	

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-) -0.18

Left end vertical not exposed to wind pressure.

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

Right cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

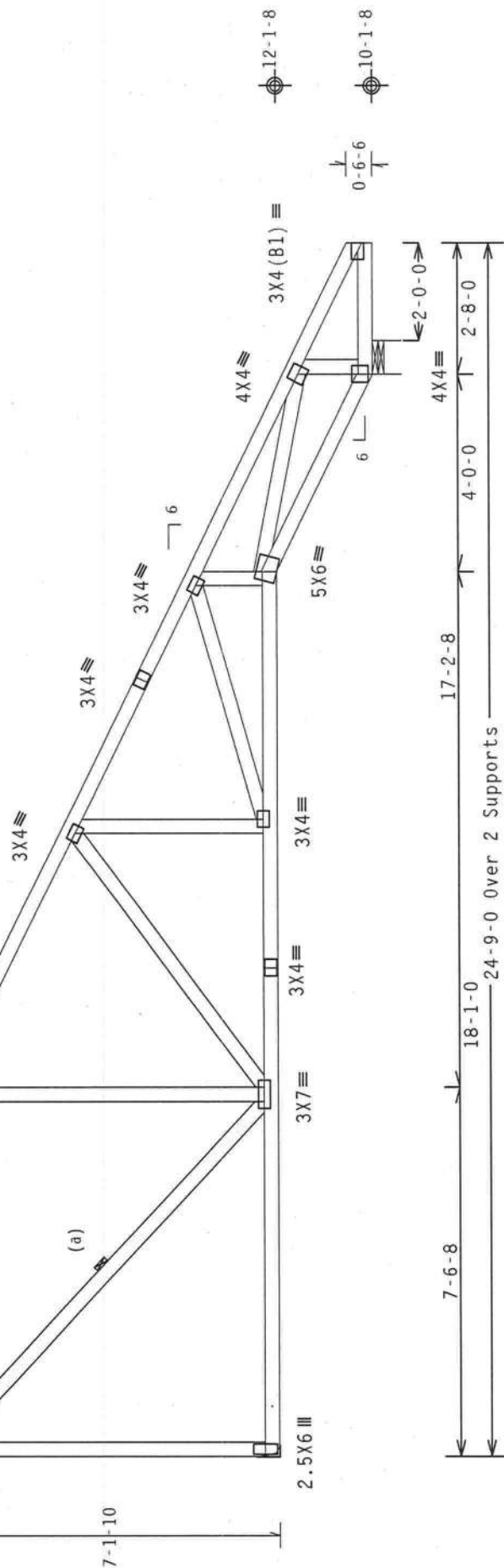
Bottom

$3 \times 4 \equiv$

$4 \times 6 \equiv$

Deflection meets L/240 live and L/180 total load.

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



R=897 U=68

RL-55/-143 H=Simpson LUS26

Supported Member Face: (3) 0.148"x3" nails

Supporting Member Face: (4) 0.148"x3" nails

Supporting Member : (1) 2x6 SP.#2

Design Crit: FBC2007Res/TPI-2002(STD)
ET/PT-100/(00/10/0)

	WASHDUNTCSE	BEAD AND COLLOIDAL MOVES IN THIS SHEET
--	-------------	--

$F1/R1=10\%(0\%) / 0(0)$

 $\cdot 11/27TC' = 1122$

FL/-/4/-/-/K/-

10.05.04/060X.18. /11:

	WASHDUNTCSE	BEAD AND COLLOIDAL MOVES IN THIS SHEET
--	-------------	--

$F1/R1=10\%(0\%) / 0(0)$

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

BRUSSES require extreme care in fabricating, handling, shipping, installing and bracing. Review the latest edition of BC31 (Building Component Safety Information, by title and title) for all applicable details prior to performing work. The contractor shall have a properly attached structural sheathing and bottom chord bracing installed per BC31 section 83. Locations shown for permanent lateral restraint of the bottom chord shall have bracing installed per BC31 sections 83, 87 or 810, as applicable.

[illegible]

ALPINE

TW Building Components Group Inc.

Haines City, FL 33844

FI COA #0278

JREF- 1UIY487_Z01

SPACING 24.0"

71071571Dannenberg...

33844
the responsibility of the building designer per Article 1, Section 1. For more information see:
general notes page: ITH-BCG: www.ithbcg.com: IPI: www.tpinst.org: NICA: www.sbcindustry.com:

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

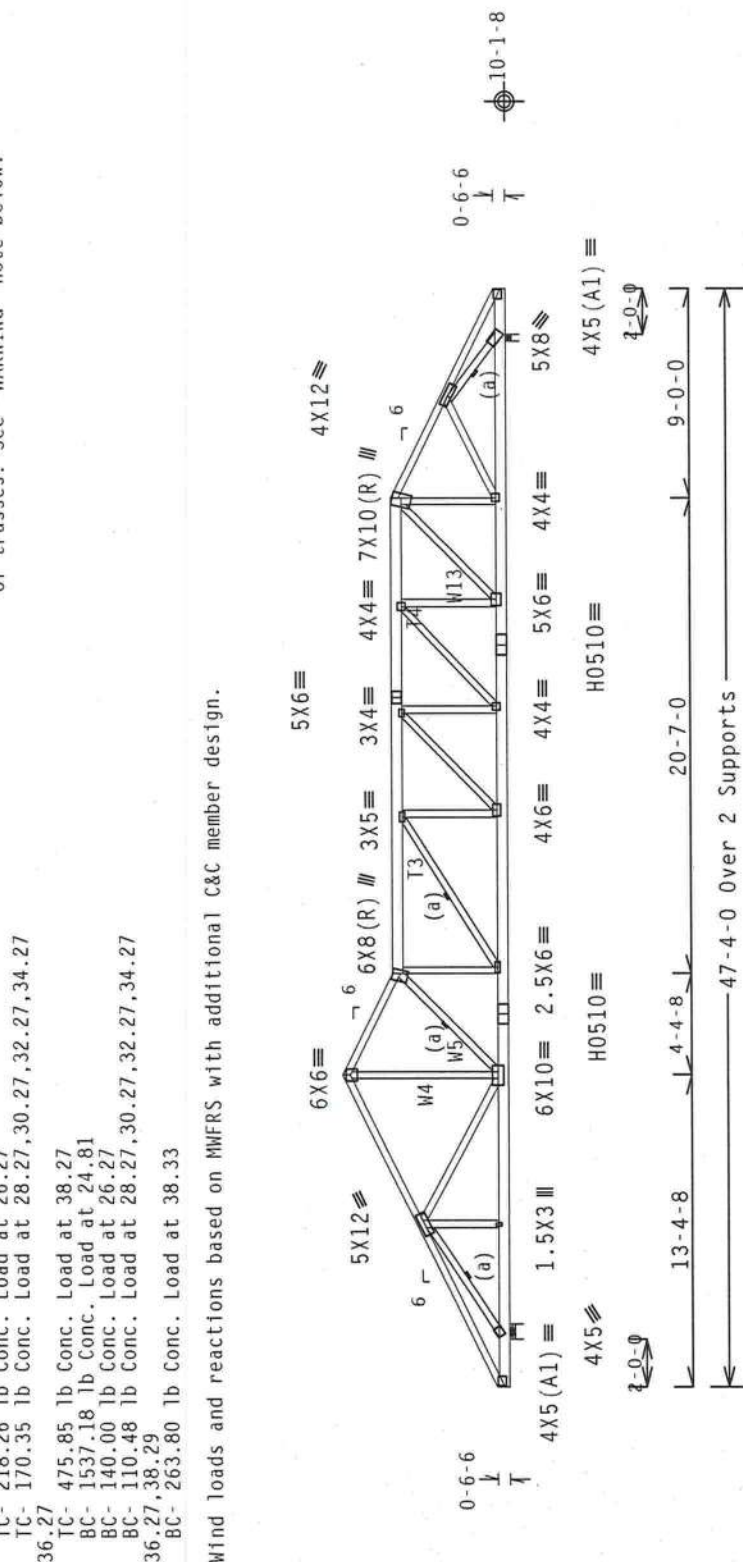
Left and right cantilevers are exposed to wind

(a) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/240 live and L/180 total load.

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



R=2865 H=308 W=8"

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .125"/Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
Phone: 800-438-7282

STATE OF FLORIDA
PROFESSIONAL ENGINEER
NO. 66848
DATE 01/23/2012

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

Trusses require extreme care in fabricating, handling, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for safe practices prior to performing these functions. Installers shall provide adequate bracing and safety devices noted otherwise. Trusses shall be properly braced and supported at all top, bottom and side locations shown for permanent lateral restraint of webs. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the sheet. Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal of this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/IPI 1. See also BCSI sections B3, B7 or B10. This job is for the use of the design for the structure shown. For more information, contact ITWBCG at: www.itwbcg.com; info@itwbcg.com; www.bcsindustry.com; info@bcsindustry.com

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R487-- 51189

DATE 01/23/12

DRW HCURS487 12023085

HC-ENG DF/DF

SEQN- 263829

JREF- 1UIV487_Z01

	SP	#1
Top chord	2x4	SP #1
Bot chord	2x4	SP #1
Web	2x4	SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ GCpt (+/-)=0.18

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

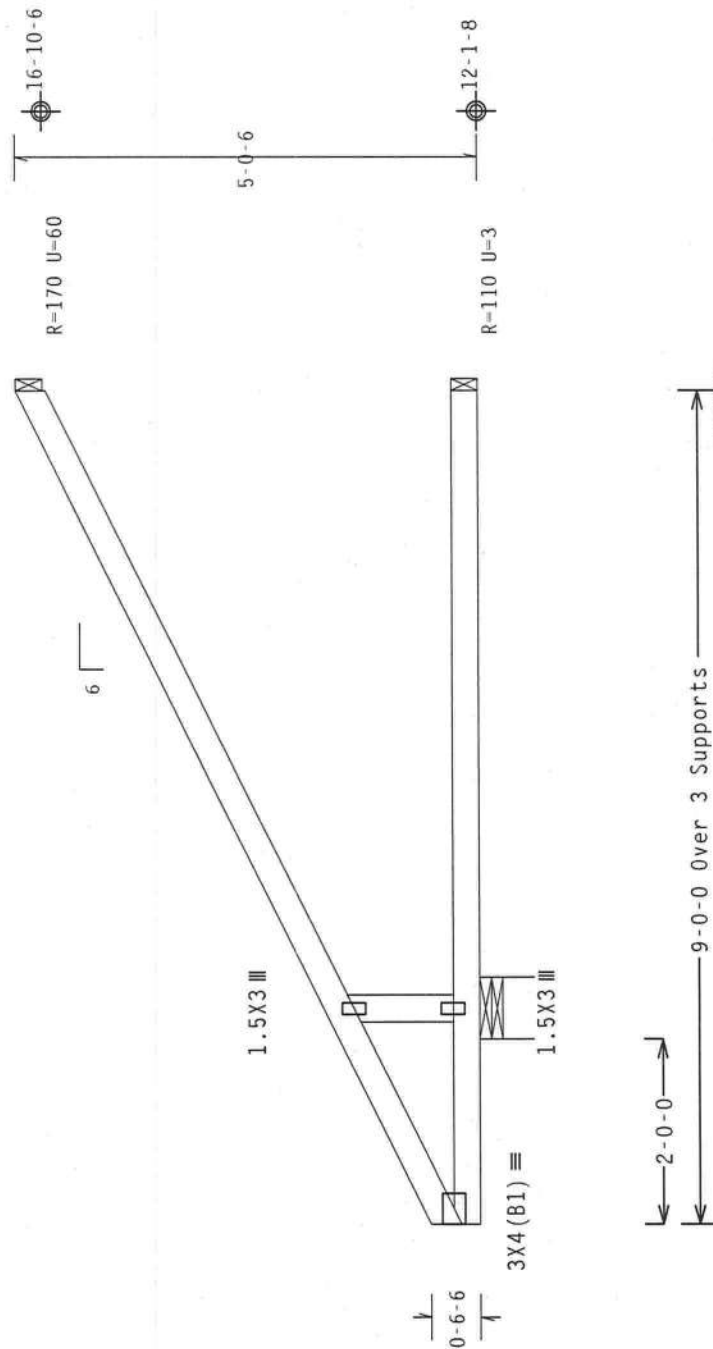
Deflection meets L/240 live and L/180 total load.

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

Left and right cantilevers are exposed to wind

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

MMWERS Loads based on trusses located at least 7.50 ft. from roof edge.



R=512 U=0 W=8"
RL=103/-23

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .5"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety Information, by IP1 and WICA) for further information. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

210/ET/Annexure T/23/2012

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UIY487 Z01

(12-010--F111 in later BRYAN ZECHER/NEELY --, ** - CJI)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCp1(+/-)=-0.18

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

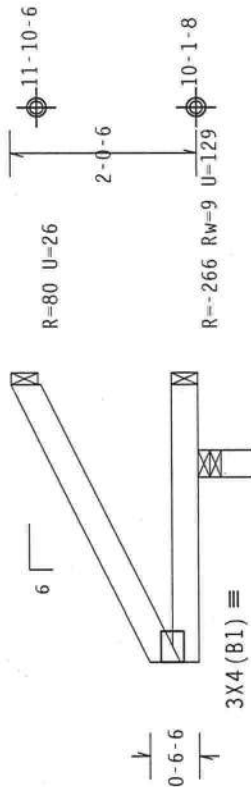
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Negative reaction(s) of -266# MAX. (See below) from a non-wind load case requires uplift connection.

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

Left and right cantilevers are exposed to wind

Deflection meets L/240 live and L/180 total load.



2'-0"-0" over 3 Supports

R-434 U-11 W=3.5"
RL=34

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



ALPINE
Haines City, FL 33844
FL COA #0 278

****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. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. BCSI sections B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15, B16, B17, B18, B19, B20, B21, B22, B23, B24, B25, B26, B27, B28, B29, B30, B31, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B42, B43, B44, B45, B46, B47, B48, B49, B50, B51, B52, B53, B54, B55, B56, B57, B58, B59, B60, B61, B62, B63, B64, B65, B66, B67, B68, B69, B70, B71, B72, B73, B74, B75, B76, B77, B78, B79, B80, B81, B82, B83, B84, B85, B86, B87, B88, B89, B90, B91, B92, B93, B94, B95, B96, B97, B98, B99, B100, B101, B102, B103, B104, B105, B106, B107, B108, B109, B110, B111, B112, B113, B114, B115, B116, B117, B118, B119, B120, B121, B122, B123, B124, B125, B126, B127, B128, B129, B130, B131, B132, B133, B134, B135, B136, B137, B138, B139, B140, B141, B142, B143, B144, B145, B146, B147, B148, B149, B150, B151, B152, B153, B154, B155, B156, B157, B158, B159, B160, B161, B162, B163, B164, B165, B166, B167, B168, B169, B170, B171, B172, B173, B174, B175, B176, B177, B178, B179, B180, B181, B182, 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(12-010--F111 in later BRYAN ZECHER/NEELY -- . ** - CJ3)

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

Left and right cantilevers are exposed to wind

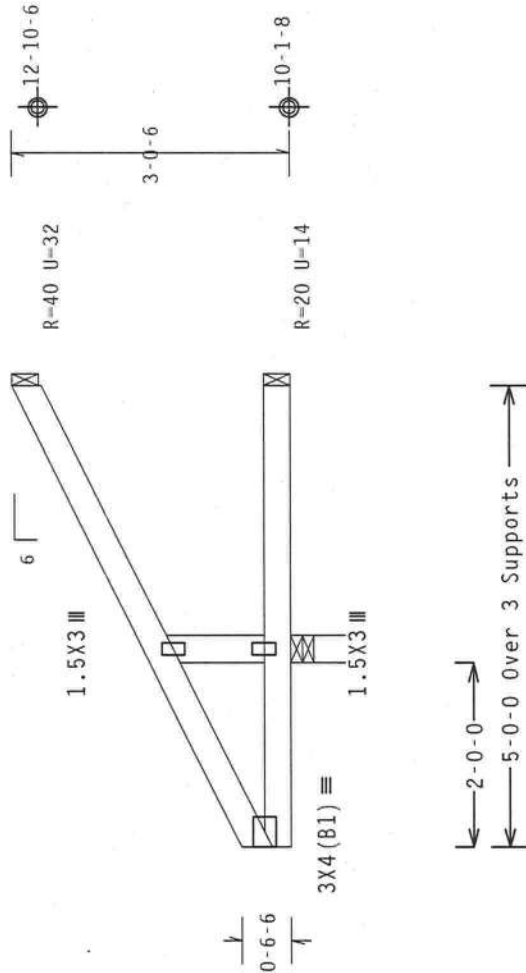
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. IW=1.00 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.



R-380 U=0 W=3.5"
RL=57

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

REF R487-- 51192

DATE 01/23/12

DRW HCUR487 12023088

HC-ENG DF/DF

SEQN- 261625

JREF- 1UIY487_Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC DL 10.0 PSF

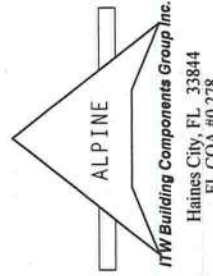
TC DL 10.0 PSF

FL / - / 4 / - / R / -

QTY 20



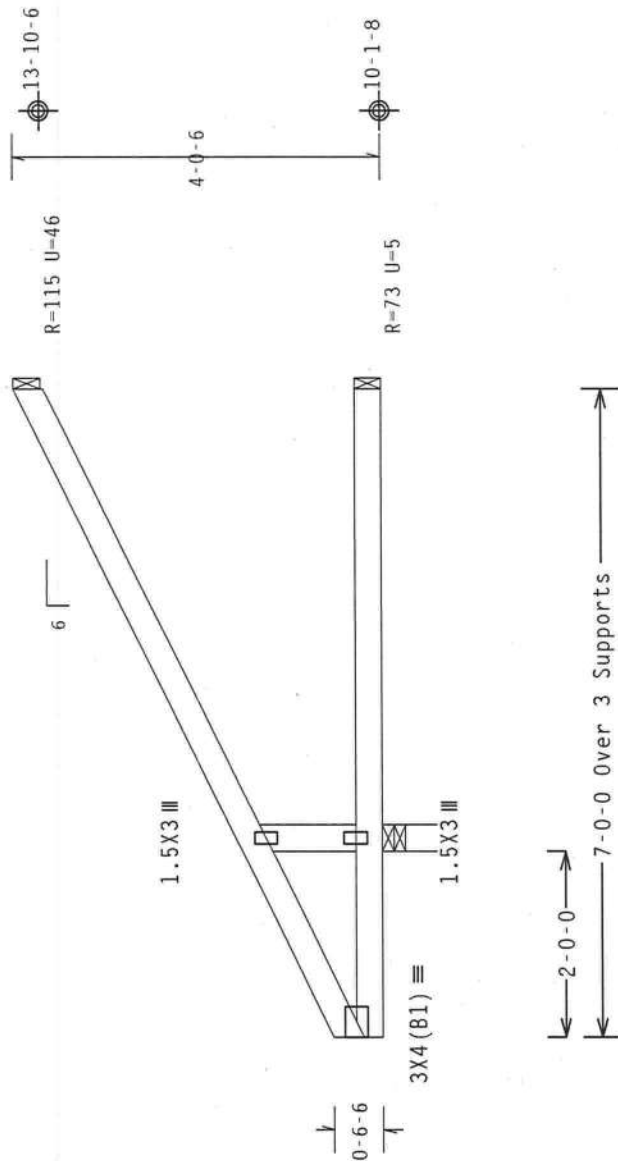
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and MICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining walls shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in accordance with ANSI/TPI 1.1 for building trusses. The manufacturer's instructions, drawings 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: IIN-BCG: www.itwbcg.com; TPI: www.tpinet.org; MICA: www.sbcindustry.com; ICCI: www.iccsafe.org



1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt (+/-)=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.



R-429 H=0 W=3.5"

RL=80

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLOT TYP.: Wave

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICKS) for safe practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise, top chords shall have proper end connections and all connections shall be welded. Connections shown for permanent lateral restraint for wind shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the approved design and any components 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 details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal of the 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 design shown. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com/ANSI/TPI1Sec2. For more information see: www.sociindustry.com; www.tpiinst.org; NICK: www.nicksindustry.com;

No. 66848

STATE OF FLORIDA

PROFESSIONAL ENGINEER

2012/03/23/2012

TC LL	20.0	PSF	REF	R487--	51193
TC DL	10.0	PSF	DATE	01/23/12	
BC DL	10.0	PSF	DRW	HCUSR487	12023089
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	261628	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UIY487_Z01	

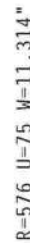
110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

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

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side, 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

Deflection meets L/240 live and L/180 total load.

Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

No. 66848

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Read and follow the latest edition of BCSI (Building Components Safety Information, by TPI and NCCA) and all applicable codes and standards. Truss manufacturers must be notified prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's instructions 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 will vary. Trusses shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (IWBG) shall not be responsible for any deviation from this specification due to any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or erecting of the truss. Apply plates to each face of truss and position as shown above and on the Joint Detail. Details, unless noted otherwise, refer to drawings 1600-2 For standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1, Sec-2. For more information, visit: This Job's general notes page; IWBG: www.iwbeg.com; TPI: www.tpinet.org; NCCA: www.nccasafety.org; www.tccsa.org



ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278

FL/-/4/-/-/R/-		Scale =.5"/Ft.
TC LL	20.0 PSF	REF R487-- 51194
TC DL	10.0 PSF	DATE 01/23/12
BC DL	10.0 PSF	DRW HCUSR487 12023090
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 263169
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U1Y487_Z01

(12-010--Fill in later
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
webs 2x4 SP #3

Negative reaction(s) of -284# MAX. (See below) from a non-wind load case requires uplift connection.

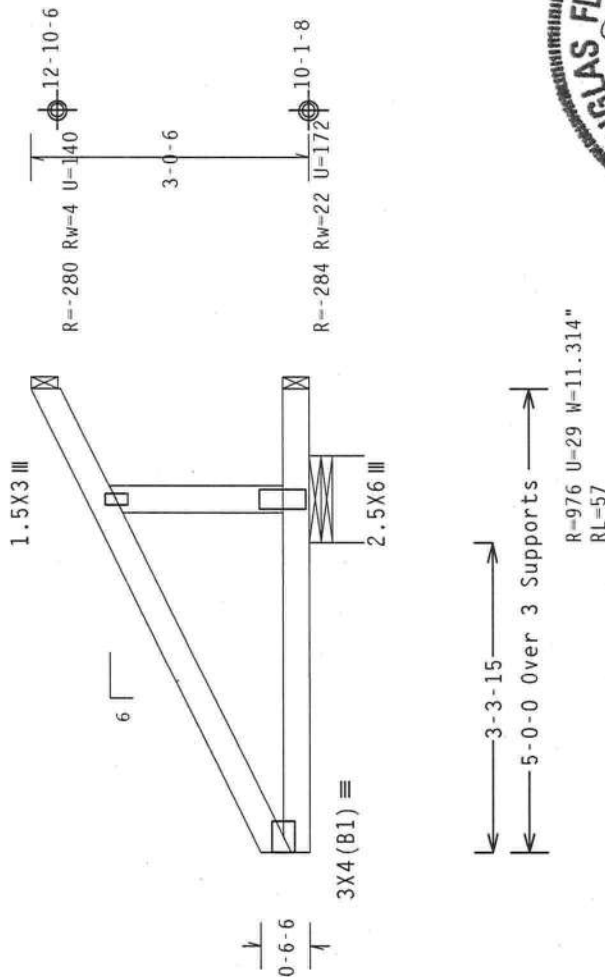
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI (+/-)=0.18

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.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.

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

REF R487-- 51197

DATE 01/23/12

ORW HC1158487 12023093

ENC - ENC DE/DE

10-11-1964

261/35

100

REF- 1UIY487_Z01

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following latest edition of BCSP (Building Component Safety) information by IPI and NICA for truss installation details. Trusses shall be installed in accordance with the design drawings and specifications unless notes 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 chords shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (IWBGCO) shall not be responsible for any deviation from this design to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or pre-drilling of trusses. Apply plates to each face of truss and position as shown above and on the side elevation drawings of trusses. Notes apply to all details, unless noted otherwise. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering structure is required solely for design purposes. The manufacturer shall retain responsibility for the structure's general notes page: IPI-BQG; www.iwbco.com; TPI: www.tpinet.org; NICA: www.sbciindustry.com; www.iccsafe.org

ALPINE

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

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - CJIC)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1

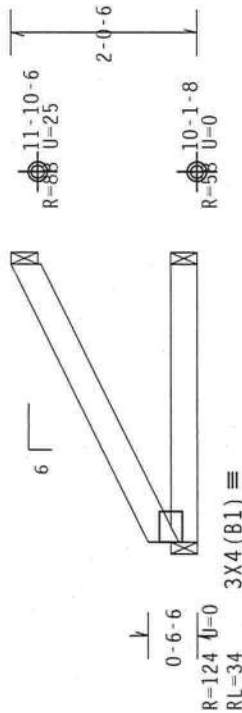
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0
psf. $I_w=1.00$ GCpf(+/-)-0.18

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



3'-0-0 Over 3 Supports

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale =.5"/Ft.

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

10.00 .04 0603.16

QTY:

REF R487-- 51198

DATE 01/23/12

DRW HCUSR487 12023001

HC-ENG DF/DF *

SEQN- 261741

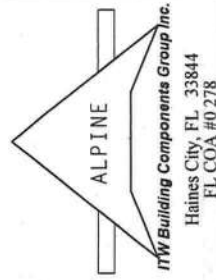
JREF- 1UIY487_Z01



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 NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 95, 97 or 910, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any failure to build the trusses in conformance with the design. The responsibility for the design 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-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICCI: www.iccsafe.org



Top chord	2x4	SP #1
Bot chord	2x4	SP #1
Web	2x4	SP #3

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, Iw=1.00 GCp1(+/-)=0.18

Left and right cantilevers are exposed to wind

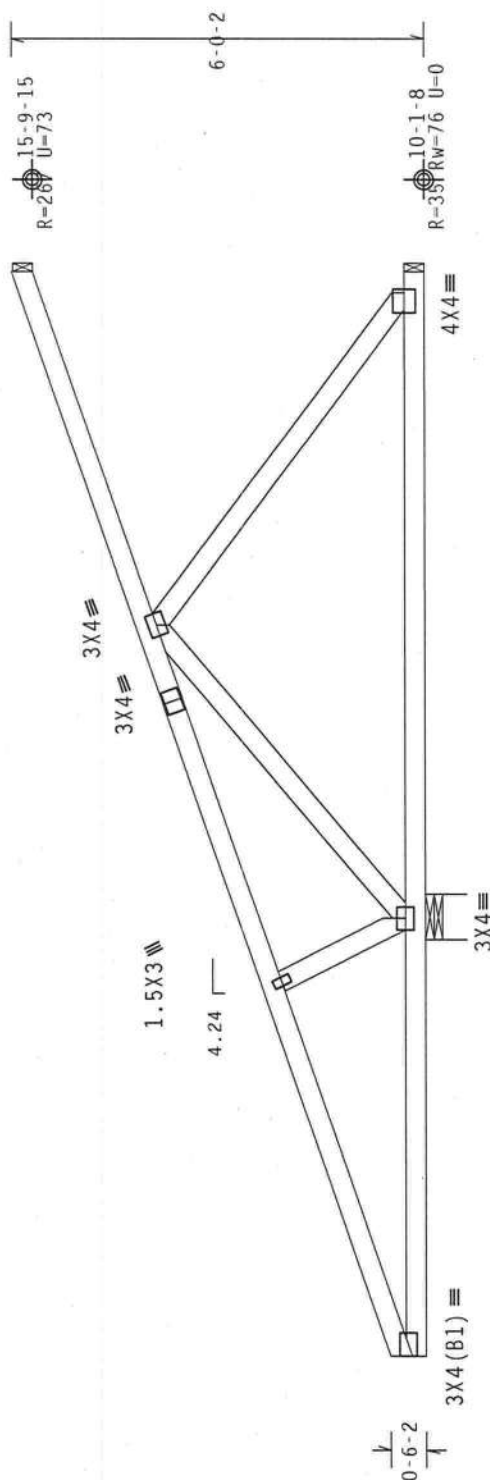
wind loads and reactions based on MWFRS with additional C&C member design.

The following members need concentrated loads at the heel: 9-0-0

Chipjack supports 11-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to 8C. 4-2-8 cant one face, 4-2-8 cant opposite face.

Deflection meets L/240 live and L/180 total load.

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



5-11-7
15-6-11 Over 3 Supports
 $R=1324 \quad H=224 \quad W=8''$

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .375"/Ft.

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

EF R487-- 51199

TC LL	20.0 P
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DATE 01/23/12

TC DL 10.0 P

RW HC1158487 12023094

RC DI 10 0 P

C-ENG DE/DE

10:00	11:00
0000	0000

10/11/2011

77.98	
<u>10.0</u>	
	Total = 87.98

EQN- -ND30-
C9/T97

101.LD.	40.0 P
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DUR.FAC. 1.25

REF- IUIY487_Z01

SPACING 24.0"

	Top chord	2x4	SP #1
Bot chord	2x4	SP #1	
webs	2x4	SP #3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

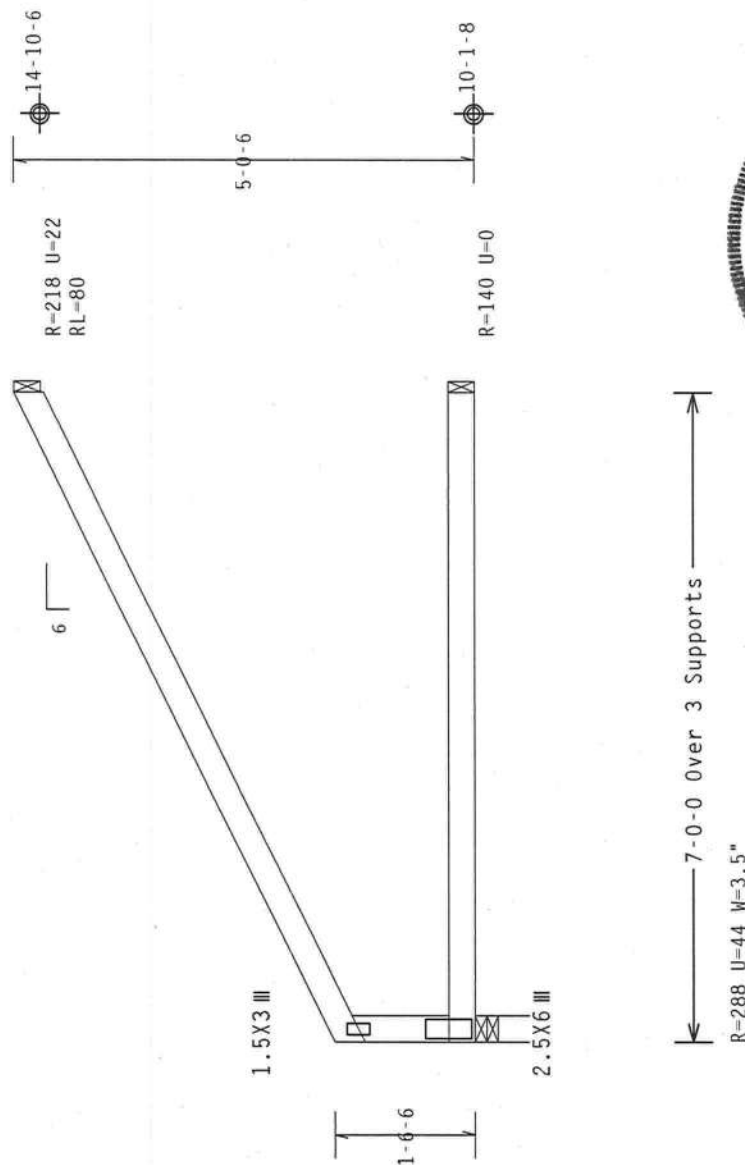
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Deflection meets L/240 live and L/180 total load.

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

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

Scale = .5"/Ft.

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

REF R487-- 51200

DATE 01/23/12

31/07/10 7100

0RW HCUSR487 12023002

IC-ENG DF/DF

SEON- 261770

[illegible][illegible]

REF- JULY48/_Z01

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

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 9-0-0 span/setback member on the 4-2-8 cant side requires 204 lbs and the 9-0-0 span/setback member on the 4-2-8 cant side requires 204 lbs.

Sub-fascia beam assumptions: 9-0-0 sub-fascia beam on the 4-2-8 cantilever side, 9-0-0 sub-fascia beam on the 4-2-8 cantilever side.

Deflection meets L/240 live and L/180 total load.

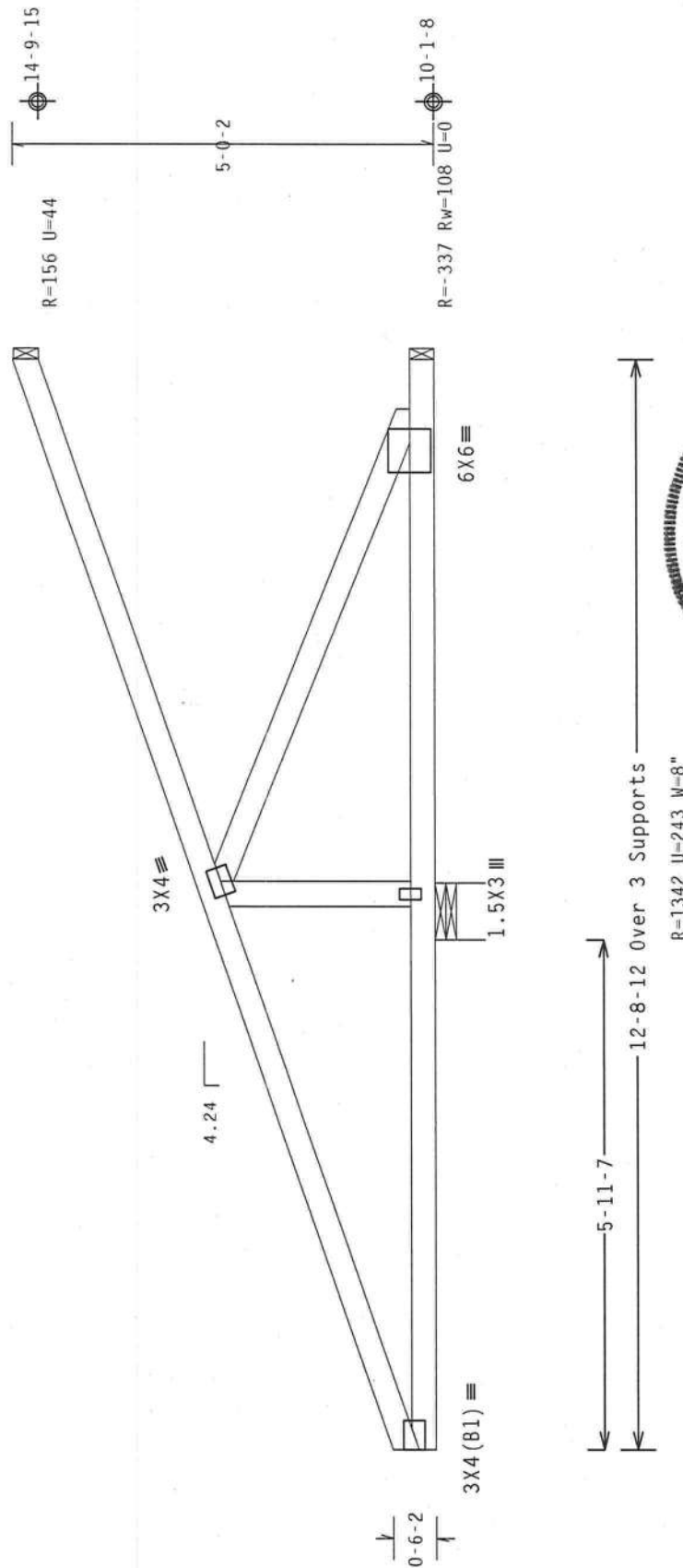
Negative reaction(s) of -337# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt (+/-)=0.18

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

HipJack supports 9-0-0 setback jacks with 4-2-8 cantilever one face; 4-2-8 cantilever opposite face.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.

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

OTY1

10.03.04/0604.16

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

design critic.

p Wave

PIT

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

Transverse extreme care in fabricating, handling, shipping, installing and bracing. Right to and follow the latest edition of BCSP (Building Component Safety Information, by IPI and NICA) for all practices prior to performing any erection. All bracing shall be attached to structural steel members. All bracing shall have a properly attached rigid ceiling. Locations for permanent lateral restraint of webs shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITW Building Components Group, Inc. (IIBCGI) shall not be responsible for any deviation from the design shown on the drawings, or any failure to build the truss in accordance with ANSI/PPI 1, or for handling, shipping, installation, or failure of cranes. Apply plates to each face of truss and position as shown above and on the Job Notes. Do not use any other materials, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawings 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, PPI 1 Sec.2. For more information on seal: This Job's General Notes page, IIB-800; www.iibw.com; PPI: help@pnt.org; IBCG: www.iibw.com.

RFF R487-- 51201

TC LL	20.0 F
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END

6688

NOTES ON THIS SHEET!

=WARNING READ AND FOLLOW INSTRUCTIONS CAREFULLY TO AVOID ACCIDENTS

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ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 EL COA #0 278

Haines City, FL 33844
FL COA #0378

(12-010--F111 in later BRYAN ZECHER/NEELY -- ** - HJ9)

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

Left cantilever is exposed to wind

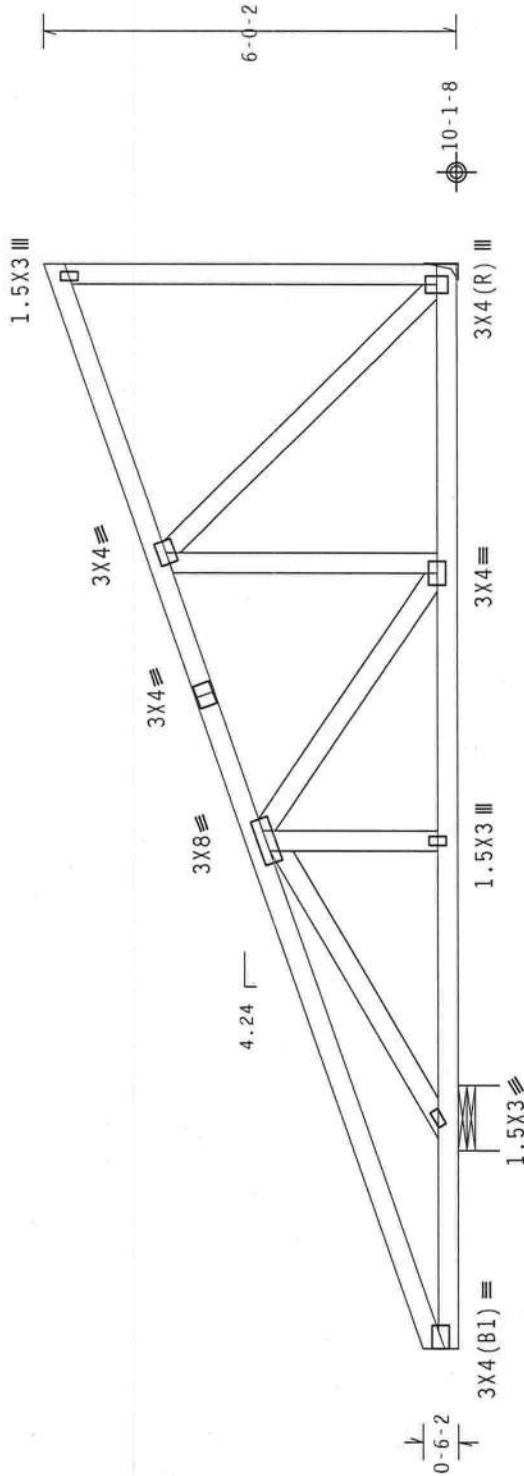
The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 45 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 45 lbs.
Hipjack supports 11-0-0 setback jacks. Jacks up to 7' have no webs.
Longer jacks supported to BC. 2-0-0 cant one face, 2-0-0 cant opposite face.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $GCP(+-)=0.18$

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

Right end vertical not exposed to wind pressure.

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side. 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.
Deflection meets L/240 live and L/180 total load.



2-9-15
15-6-11 Over 2 Supports
R-777 U-86 W-11.314"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .375"/Ft.

FL/-4/-/-R/-

10.03.04 0603.16
No. 06648

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278		Douglas Fleming LICENSE No. 06648 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/23/2012		REF R487-- 51202	Scale = .375"/Ft.
TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		DATE 01/23/12	
TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		DRW HCUR487 12023096	
TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		HC-ENG DF/DF	
TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		SEQN- 261829	
TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		DUR.FAC. 1.25	
TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		TPI-BCG shall not be responsible for any deviation from this design for any reason, including but not limited to, changes in materials, workmanship, or installation. The user of this design shall be responsible for obtaining all necessary permits and for compliance with all applicable codes and regulations. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities. The user shall also be responsible for obtaining all necessary approvals from the appropriate authorities.		SPACING 24.0"	JREF- 1UIY487_Z01

(12-010-111 in later BRYAN ZECHER/NEELY -- , ** - CJ1V)

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

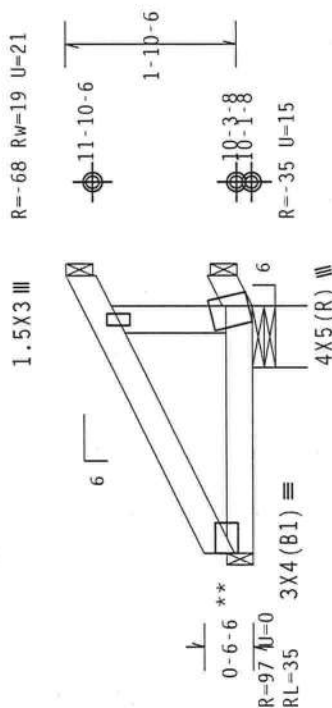
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Deflection meets L/240 live and L/180 total load.

Shim all supports to solid bearing.

** FASCIA BEAM DESIGNED AND FURNISHED BY OTHERS. PROVIDE CONNECTION FOR REACTIONS SHOWN.



3-0-0 Over 4 Supports-4-0

R=243 U=45 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

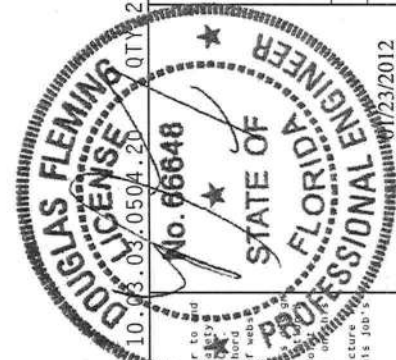
Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487 - - 51203
TC DL	10.0	PSF	DATE 01/23/12
BC DL	10.0	PSF	DRW HCUSR487 12023143
BC LL	0.0	PSF	HC - ENG DF/DF *
TOT.LD.	40.0	PSF	SEQN- 19237 REV
DUR.FAC.	1.25		
SPACING	24.0"		IREF- 1U1Y487_Z01

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses shall be fabricated and braced in accordance with the design and shall follow the latest edition of BCSP (Building Component Safety) information. By 1-1-2000, the following practices prior to performing erection shall be required:

- Trusses shall have a properly attached structural sheathing and bottom chord
- Trusses shall have a properly attached rigid ceiling.
- Trusses shown for permanent lateral restraint shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

[illegible]

ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

(12-010--Fill in later BRYAN ZECHER/NEELY -- ** - CJ3V)

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

Left and right cantilevers are exposed to wind

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

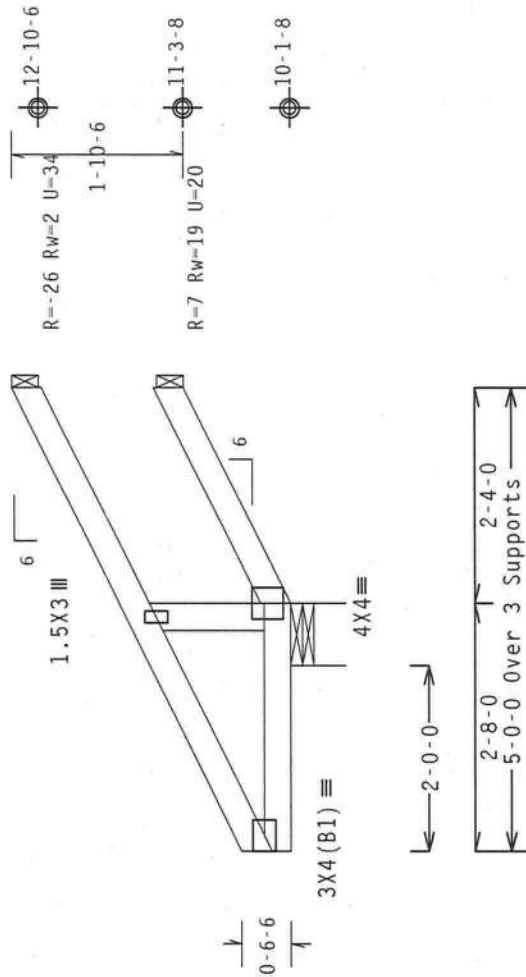
Shim all supports to solid bearing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ 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.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = 5" / Ft.

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

TC LL

TC DL

BC DL

BC LL

TOT.LD.

DUR.FAC.

SPACING

20.0 PSF

10.0 PSF

10.0 PSF

0.0 PSF

40.0 PSF

1.25

24.0"

REF R487-- 51204

DATE 01/23/12

DRW HCUSR487 12023097

HC-ENG DF/DF

SEQN- 261840

JREF- 1UIY487_Z01



HARMING 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 NICA for accepted practices prior to performing these functions. Installers shall provide temporary bracing per NICA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint web shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design of trusses to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates and bolts as shown. Refer to drawings 1600-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The solubility and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

(12-010--Fill) in later BRYAN ZECHER/NEELY -- , ** - CJSV)

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

Left and right cantilevers are exposed to wind

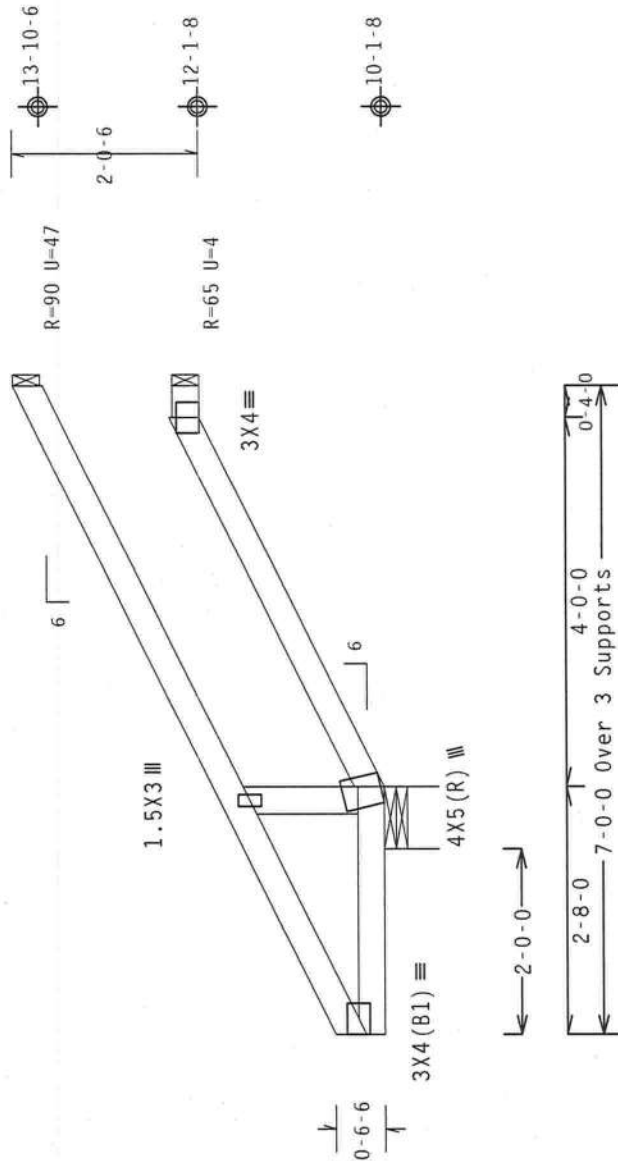
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. IW=1.00 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.



R-471 U-0 W-8"
RL-91/-29

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale = .5" / Ft.

ALPINE		DOUGLAS FLEMING		Scale = .5" / Ft.	
ITW Building Components Group Inc.		No. 66648		REF R487-- 51205	
Haines City, FL 33844		STATE OF FLORIDA		DATE 01/23/12	
FL COA #0 278		PROFESSIONAL ENGINEER		DRW HCUSR487 12023098	
				HC-ENG DF/DF	
				SEQN- 261853	
				JREF- 1UIY487_Z01	

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - EJ7V1)

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

Left and right cantilevers are exposed to wind

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

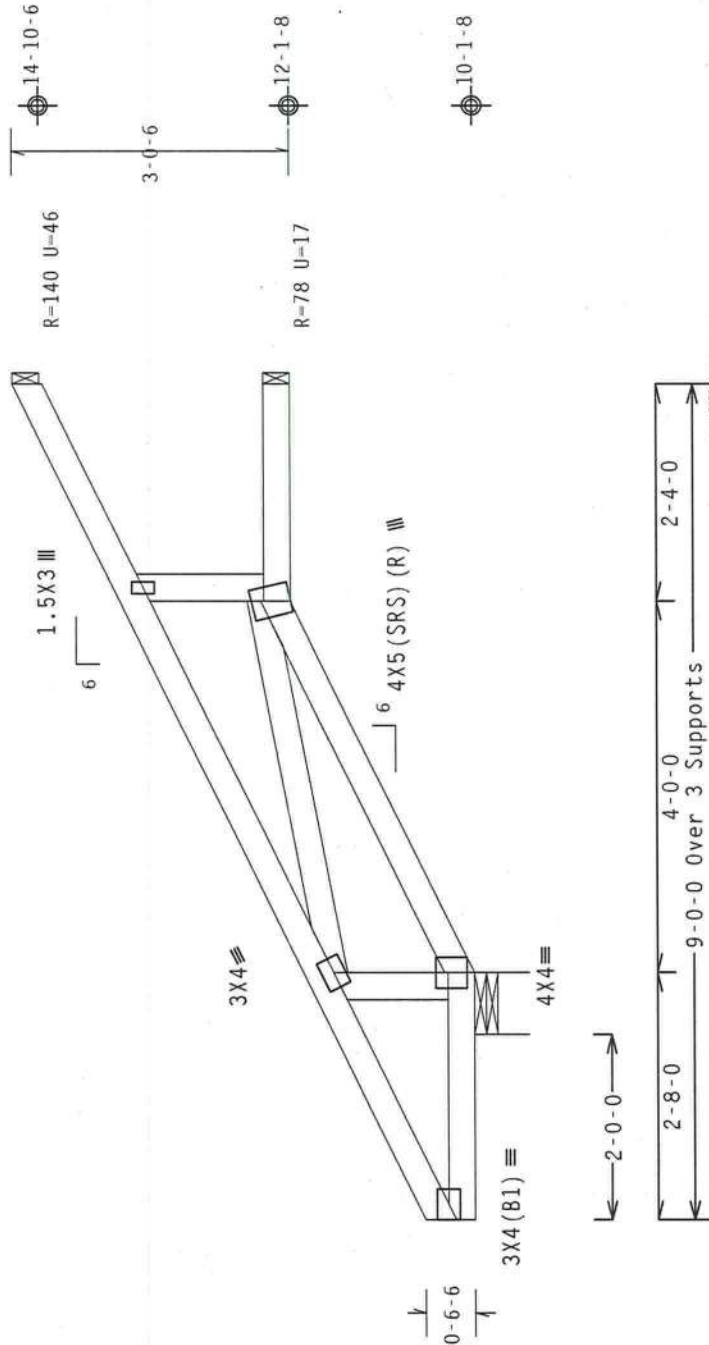
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 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.

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



R-533 U=0 W=8"
RL-114/-34

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections 85, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for 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 members on a seal on the 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: ITN-BCG: www.itnbcg.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org



FL/-/4/-/-/R/-	Scale = .5" / Ft.
TC LL 20.0 PSF	REF R487-- 51206
TC DL 10.0 PSF	DATE 01/23/12
BC DL 10.0 PSF	DRW HCUR487 12023099
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 261869
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UIY487_Z01

ALPINE

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

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)0.18

Left and right cantilevers are exposed to wind

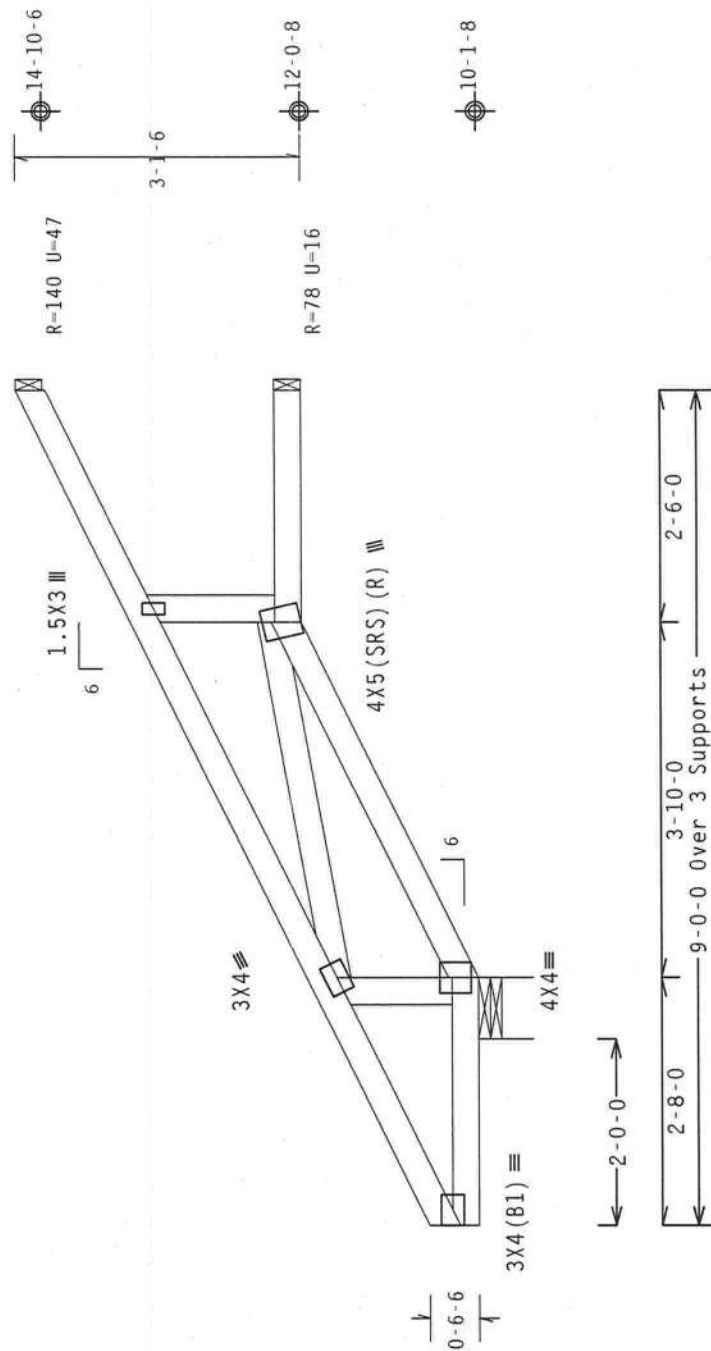
Wind Loads and reactions based on MWFRS with additional C&C member design.

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

Deflection meets L/240 live and L/180 total load.

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

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



R=533 U=0 W=8"
RL=114/-33

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

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

Scale = .5"/Ft.

REMARKS: DEAD AND COLOR ALL NOTES ON THIS SHEET

•••IMPORTANT••

• 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 order of ECSI (building Component) installation: 1) install permanent bracing per ECSI instructions; 2) install temporary bracing per ECSI instructions; 3) install permanent sheathing and bottom chord bracing; 4) install top chord bracing. Top chord shall have properly attached sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per ECSI sections B3, B7 or B10, as applicable.

ITW Building Components Group, Inc. (IBCG) shall not be responsible for any deviation from the design shown on drawings or specifications for materials, components, processing of trusses, application of sealant, or installation of hardware, fasteners, or other accessories. Apply plates to each face of truss and position as shown above and on the Joint Detail Drawing. Seal all joints between steel members with ANSIP-101 for handling, shipping, installation, and storage. The manufacturer's instructions must be followed for application of sealant. No welding or cover plate latching 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/AISC 886. This job is the property of IBCG. See also: AIAA; ASCE; AWS; BIA; CMAA; ENR; FEA; GSA; HNTB; NECA; NETA; NIBCO; SDC; WAC; WEDC; WFLD.

ITW-BIGG: www.itw.com; PPI: www.ppi.net; IBG: www.ibg-industry.com



Haines City, FL 33844
FL COA #0278

JREF- 1UIY487 Z01

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpt (+/-)=0.18

Left and right cantilevers are exposed to wind

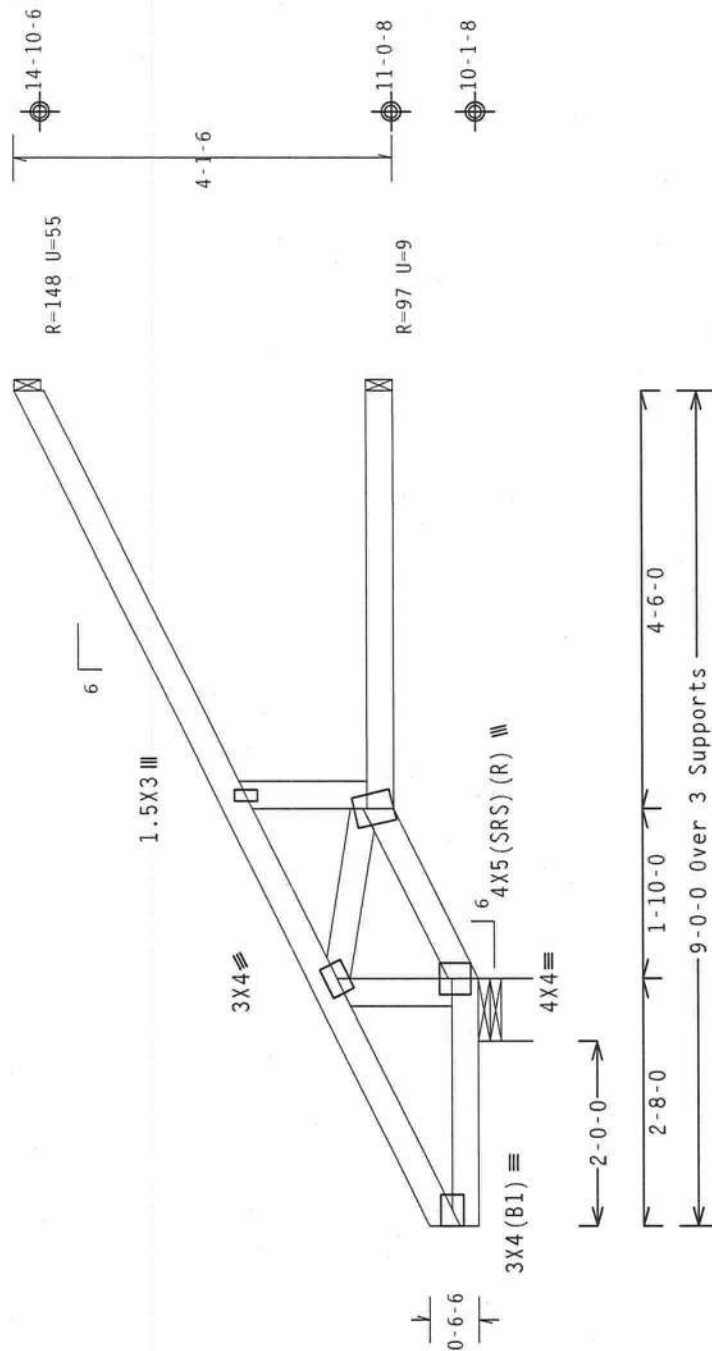
wind loads and reactions based on MWFRS with additional C&C member design.

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

Deflection meets L/240 live and L/180 total load.

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

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



R=530 U=0 W=8"
RL=108/-28

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

PIT TYP. Wave

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

Scale = .5"/Ft.

TTC LL	20.0 PSF	REF R487-- 51208
TTC DL	10.0 PSF	DATE 01/23/12
BC DL	10.0 PSF	DRW HCUR487 12023101
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 261879
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIY487_Z01

No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
07/23/2012

****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. Please read and follow the latest edition of BCSP (Building Component Safety) information on "Designing and Bracing Trusses." The notes on this drawing are intended to supplement the BCSP information. Any deviation from the design or the BCSP information noted otherwise, except as shown, shall have properly attached structural sheathing and bottom chord bracing. The top chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint webs shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

THE Building Components Group Inc. (BVGCO) shall not be responsible for any deviation from the design due to failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or packaging of trusses. Apply plates to each face of truss and position as shown above and on the side details, unless noted otherwise. Refer to drawings BGW-2 For standard plate positions. A seal unit must be used at all joints. Seal units shall be applied to all joints. The manufacturer's instructions shall govern the responsibility solely for the design shown. The suitability and use of this design for any other application is the responsibility of the building designer.

BCSP - 1986: www.bcsp.org; TPI: www.tpi.net; NCA: www.ncaindustry.com;
BGW - 1986: www.bvgco.com; BVGCO: www.bvgco.org



ALPINE
17th Building Components Group Inc.
 Haines City, FL 33844
 EL COA #0 278

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - HJ7V)

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

Left and right cantilevers are exposed to wind

(H1) = (U) Hanger not calculated (1)2x4 SP #1 supporting member.

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side. 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

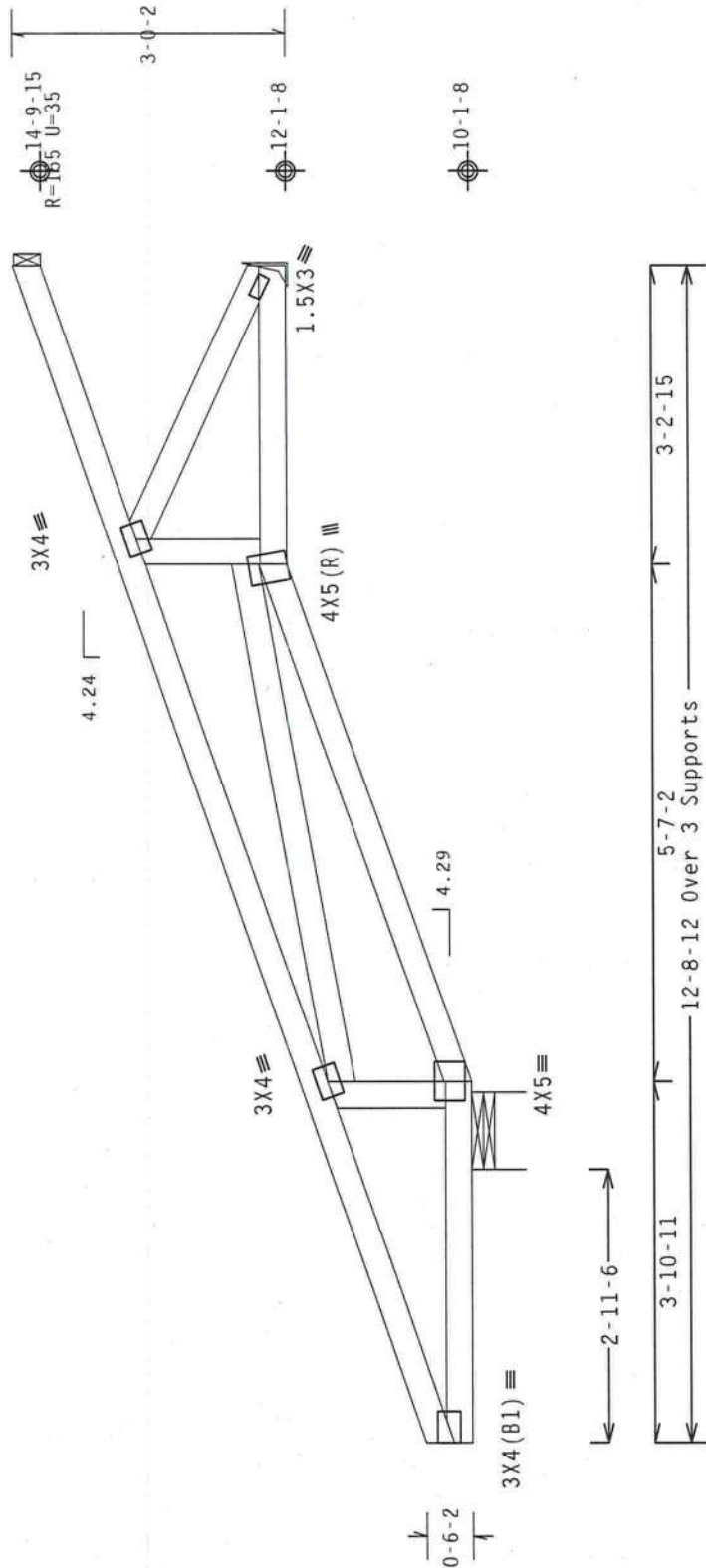
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. IW=1.00 GCPI (+/-)-0.18

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

The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 45 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 45 lbs.

Hipjack supports 9-0-0 setback jacks with 2-0-0 cantilever one face; 2-0-0 cantilever opposite face.



R-553 U-73 W-9.9"

R-437 U-13
H-H1

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

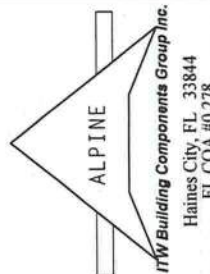
PLT TYP. Wave

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487--	51209
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023102
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	261910	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per the details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal shall have a properly attached rigid ceiling. Installers shall provide lateral bracing for web members. Trusses shall be braced in accordance with BCSI sections 85, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in accordance with the details and position as shown above and on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org



(12-010--Fill) in later BRYAN ZECHER/NEELY --, **, ** - EJ76)

Top chord 2x4 SP #1
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=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.

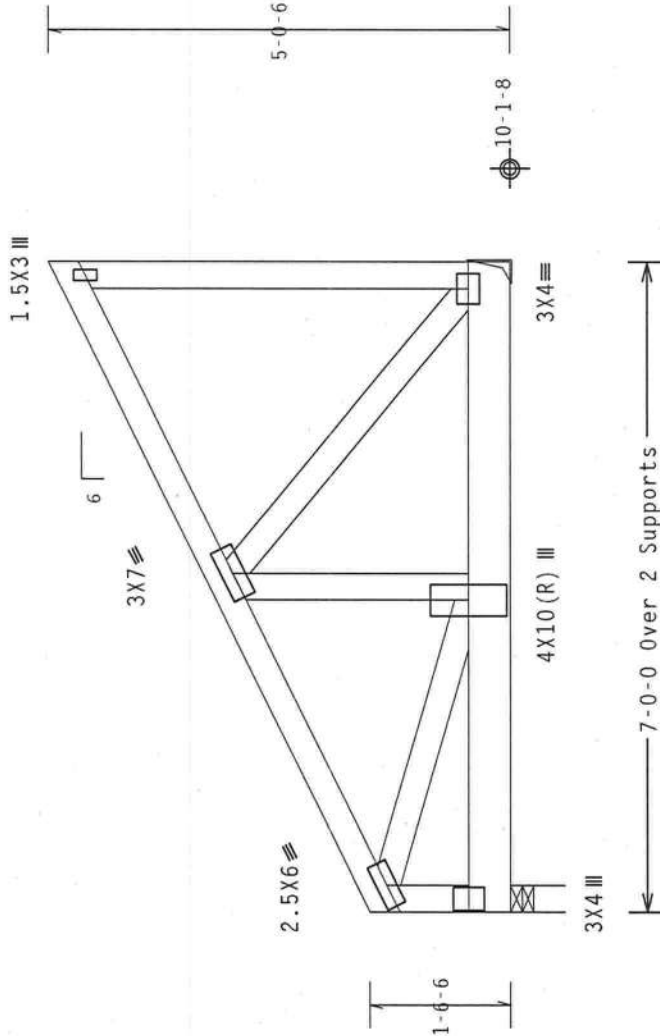
Deflection meets L/240 live and L/180 total load.

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 7.00
BC- From 10 plf at 0.00 to 10 plf at 7.00
BC- 978.22 lb Conc. Load at 1.06, 3.06, 5.06

Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



R-1537 U-0 H-Simpson HUS26

Supported Member Fasteners 148"x3" nails

Supporting Member Fasteners 148"x3" nails

R-1904 U-0 W-3.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale =.5"/Ft.

 ALPINE iW 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 COMPANIES INCLUDING INSTALLERS.		No. 66648 ★ STATE OF FLORIDA PROFESSIONAL ENGINEER 01/23/2012		TC LL	20.0 PSF	REF R487--	51210
	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 IPI and WICA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI and shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.				TC DL	10.0 PSF	DATE	01/23/12
	Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint in web shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.				BC DL	10.0 PSF	DRW HCUR487	12023103
	iW Building Components Group Inc. (iWBCG) shall not be responsible for any deviation from the bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order Details, unless noted otherwise. Refer to drawings IEOA-2 for standard plate positions. A seal on the 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 Detail Notes page; Iw-BCG: www.iwbcg.com; TPI: www.tpinet.org; WICA: www.wicaindustri.org				BC LL	0.0 PSF	HC-ENG DF/DF	
					TOT.LD.	40.0 PSF	SEQN-	262914
					DUR.FAC.	1.25		
					SPACING	24.0"	JREF-	1UIY487_Z01

(12-010--F111 in later BRYAN ZECHER/NEELY --, ** - JW2)

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Deflection meets L/240 live and L/180 total load.

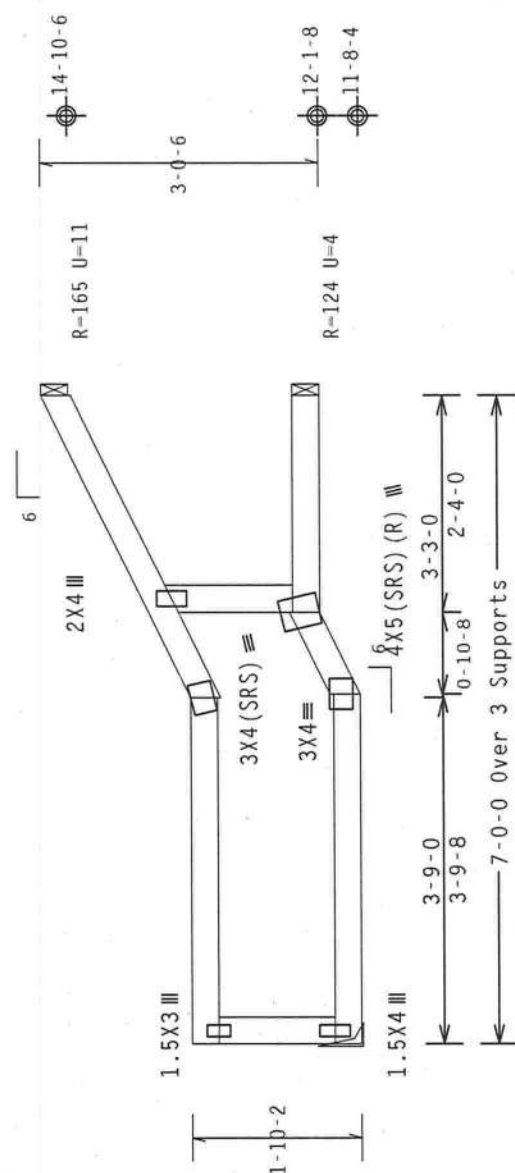
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 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.

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



R-289 U-14
RL-27 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (2) 2x6 SP #2
Design CRIT: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



QTY 1	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
TC LL	20.0 PSF	REF R487 -- 51212
TC DL	10.0 PSF	DATE 01/23/12
BC DL	10.0 PSF	DRW HCUSR487 12023105
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 263064
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UIY487_Z01

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPANIES 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 IPI and WICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord and bottom chord shall be braced in accordance with BCSI. All bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WICA: www.bcsiindustry.com; ICC: www.iccsafe.org

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

(12-010--Fill in later BRYAN ZECHER/NEELY -- , ** - JV3)

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

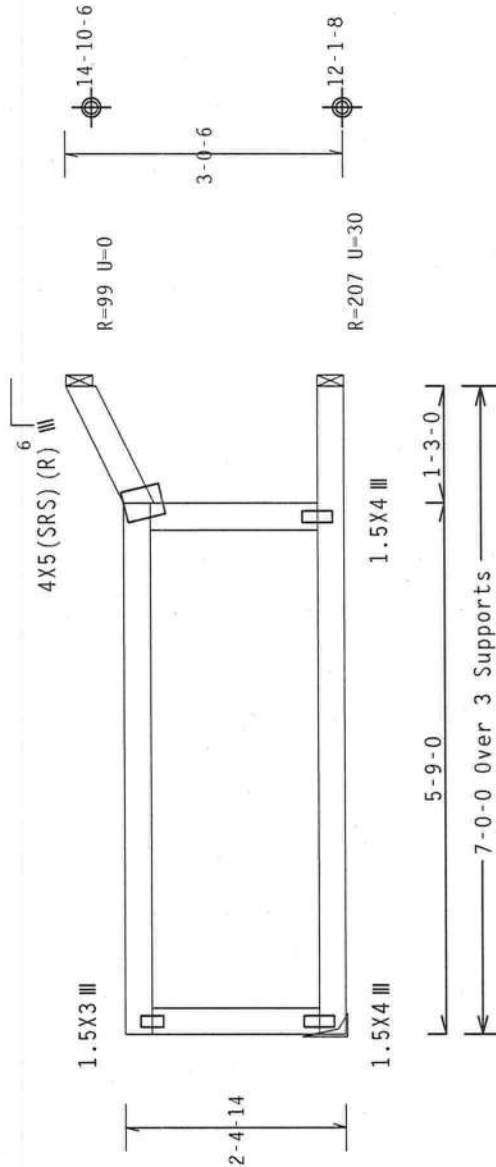
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI (+/-)=0.18

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.

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



R-288 U-27 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (2) 2x6 SP #2

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

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

QTY: 10.00 .04 0603.18

10.00 .04 0603.18

10.00 .04 0603.18

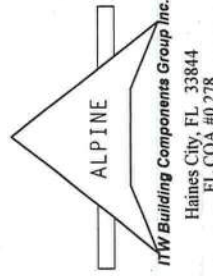
10.00 .04 0603.18

10.00 .04 0603.18

REF R487--	51213
DATE	01/23/12
DRW	HCUSR487 12023106
HC-ENG	DF/DF
SEQN-	263069
DUR.FAC.	1.25
SPACING	24.0"
JREF-	1UIY487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DRAWING 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) for best practices prior to performing these functions. Installers shall provide temporary bracing per details or cover page listing this drawing. 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: ITH-BG: www.ithbg.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org



(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - JV4)

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss must be installed as shown with top chord up.

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

110 mph wind, 15.53 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

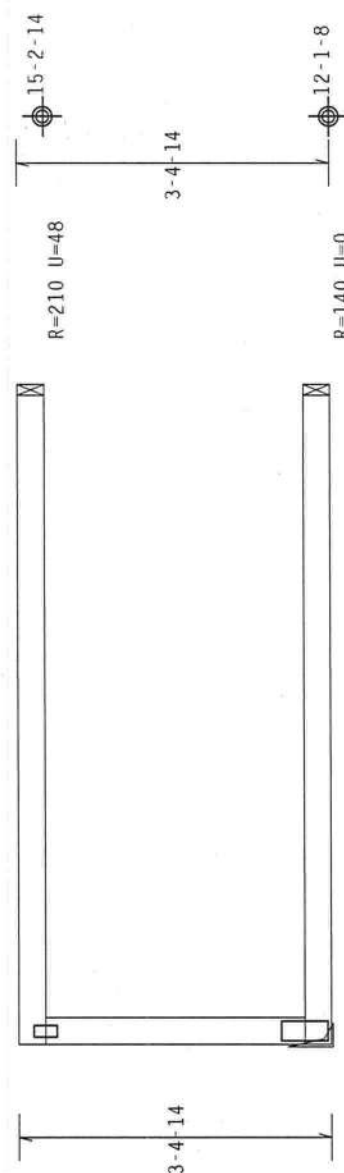
Wind loads and reactions based on MWFRS with additional C&C member design.

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 31.07 ft. from roof edge.

1.5X3 III



2.5X6 III

7'-0"-0 Over 3 Supports

R-280 U-32 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (2) 2x6 SP #2

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

FL / - 4 / - / R / -

10.00 0.04 0601.16

10.00 0.04 0601.16

10.00 0.04 0601.16

10.00 0.04 0601.16

10.00 0.04 0601.16

10.00 0.04 0601.16

 ITW 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.		**IMPORTANT**		No. 66848				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 NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.		ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design due to any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org		TC LL	20.0 PSF	REF	R487--	51214
	TC DL	10.0 PSF	DATE	01/23/12													
	BC DL	10.0 PSF	DRW	HCUSR487	12023003												
	BC LL	0.0 PSF	HC-ENG	DF/DF	*												
	TOT.LD.	40.0 PSF	SEQN-	263073													
	DUR.FAC.	1.25															
	SPACING	24.0"	JREF-	1UIY487_Z01													

(12-010--Fill) in later BRYAN ZECHER/NEELY -- , ** - JVS)

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Fasten rated sheathing to one face of this frame.

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

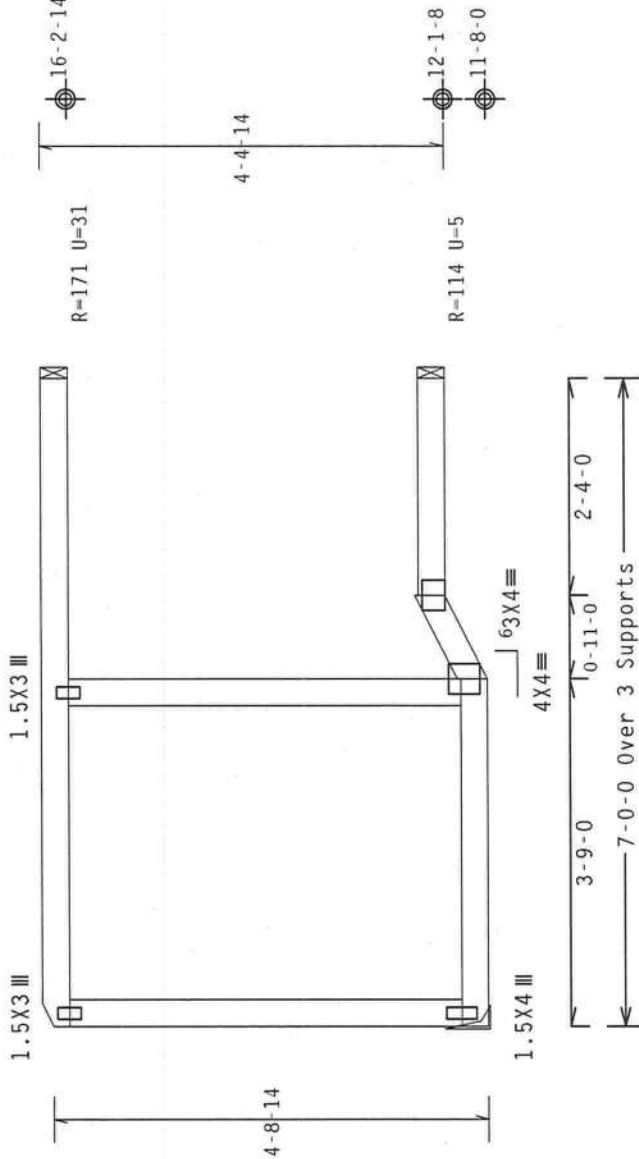
110 mph wind, 16.53 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

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.

MWFRS loads based on trusses located at least 33.07 ft. from roof edge.



R-281 U-30 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (2) 2x6 SP #2

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



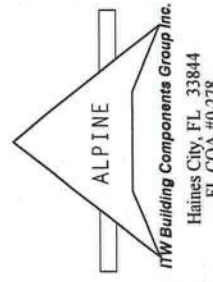
Scale = .5" / Ft.

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

TY: 10.04 0603 16

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

IMPORTANT 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 WICA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for bracing are not intended to be a substitute for bracing installed per BCSI sections 85, 87 or 810, as applicable.
I/W Building Components Group Inc. (I/WBCG) shall not be responsible for any deviation from this design. The truss manufacturer shall be responsible for the design and construction of the truss and shall provide the necessary bracing and fastenings. Refer to drawings 160A-2 for standard plate positions. A seal on the 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: I/W-BCG: www.iwbcg.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R487 --	51215
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023107
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	263078	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - JV8)

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

Left and right cantilevers are exposed to wind

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

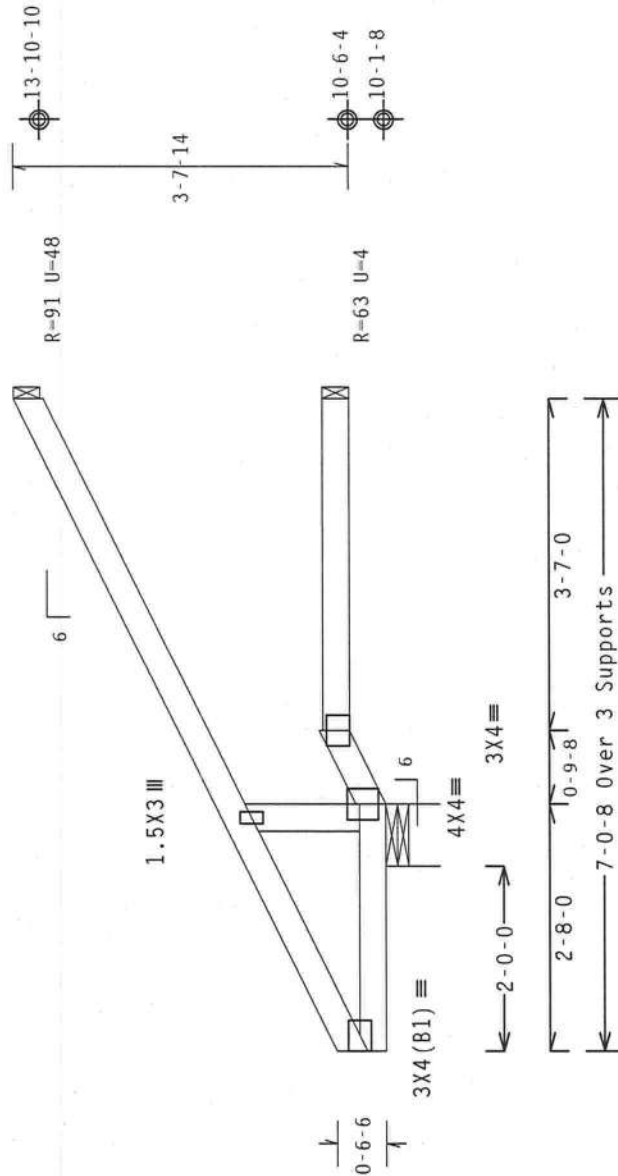
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

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

Deflection meets L/240 live and L/180 total load.

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



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCS1 (Building Component Safety Information, by TPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS1. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Sections shall not be altered without the approval of the designer. Trusses shall have bracing installed per BCS1 sections B3, B7 or B10, as applicable.

IW Building Components Group Inc. (IWBCG) shall not be responsible for any deviation from the design shown on this drawing. The user of this drawing shall be responsible for the safety of the structure. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal is required on the 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; IIN-BCG: www.iinbcg.com; TPI: www.tpiinc.org; NICA: www.nicaindustry.com; ICCI: www.iccsafe.org

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



Scale = .5" / Ft.

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

10.0 psf, 0.0601.15

QTY 1

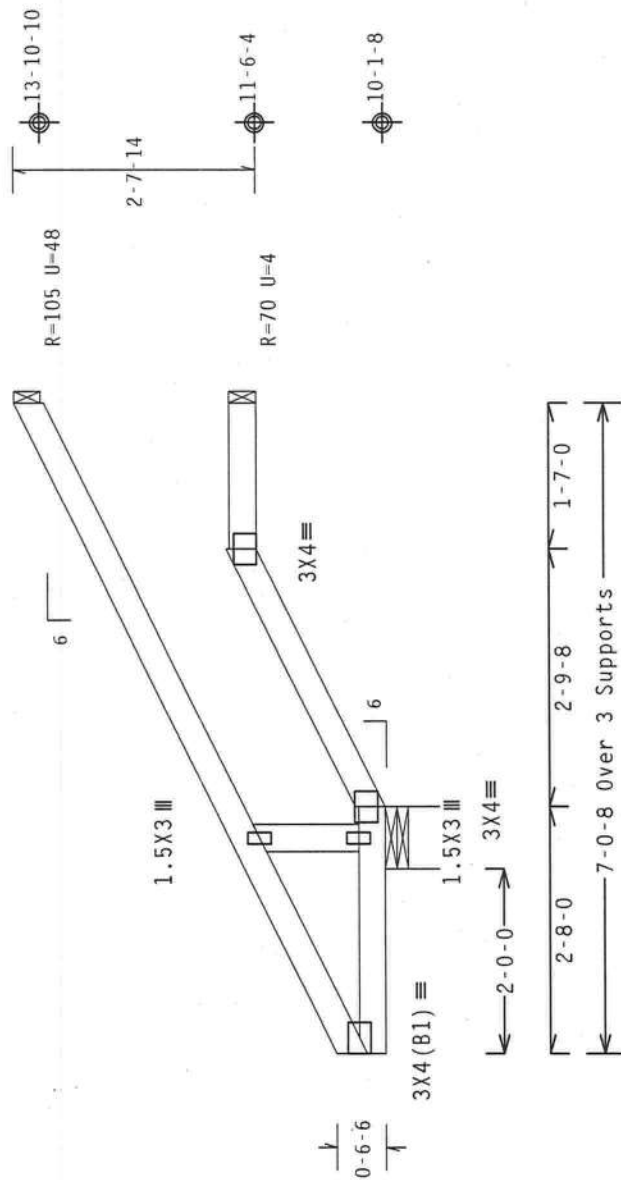
TC LL	20.0 PSF	REF	R487--	51218
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023109
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	263662	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, Iw=1.00 GCp1 (+/-)=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.

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



R=452 U=0 W=8"
RL=88/-25

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5"/Ft.

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

REF R487-- 51219

DATE 01/23/12

DRW HCUSR487 12023110

HC-ENG DF/DE

SEON- 262655

1. LD.	40.0
2. FAC	1.25

ACTING	04 01
1.23	

JREF- IUIY487_Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

[IMPORTANT] FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BECI (Building Component Safety Information) by IPI and WICA for all specifications prior to performing these functions. Installations must include structural steeling and bottom chord blocking as shown. Trusses are designed to be attached to existing framing and lateral restraint systems shall be properly attached per BGSI section 87. Locations shown for permanent lateral restraint per BGSI shall have bracing installed per BGSI sections 83, 87 or 810, as applicable.

LTV Building Components Group Inc. (LTVBCG) shall not be responsible for any deviation from the design or construction of the building, or any failure to build the Truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or erecting of the truss. Apply plates to each face of truss and position as shown above and on the above drawings. Seal all truss end details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the bottom chord is required for all trusses. The responsibility for the design, the suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/IPI 1 Sec.2. For more information see: This Job's General notes page: 114-860; www.ltvbcy.com; IPI; hse@lvpinst.com; NICKA; www.docinfo.com;

ALPINE

W Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(12-010--Fill in later BRYAN ZECHE/NEELY --, ** - JV10)

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

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

Deflection meets L/240 live and L/180 total load.

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

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

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

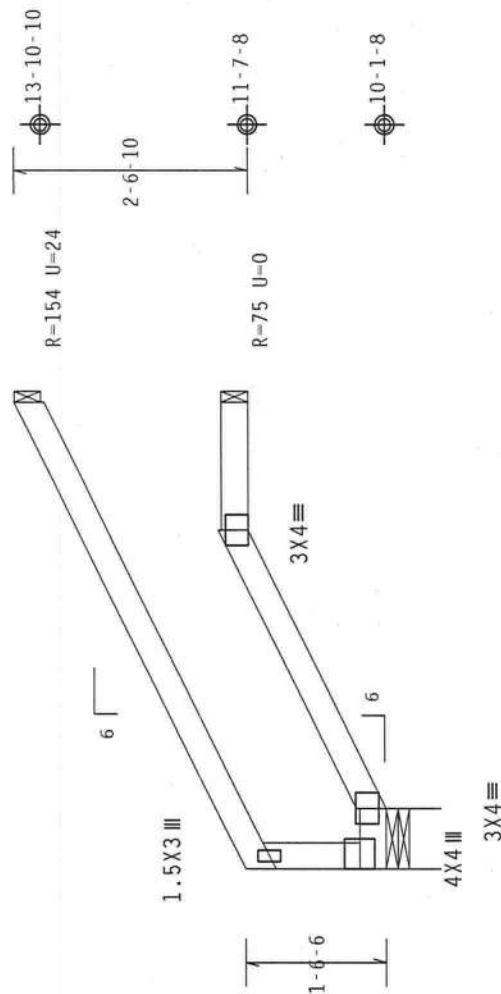


Diagram of a 5-span continuous beam with dimensions and supports:

- Span 1: 0-8-0
- Span 2: 3-0-0
- Span 3: 5-0-8
- Span 4: 3-0-0
- Span 5: 1-4-8
- Supports: 3

R=229 II=0 W=8"

RL-46/-21

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

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

Scale = .5"/Ft.

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by IPI and WICA) for details of proper bracing and installation. Trusses shall be braced in accordance with the manufacturer's instructions. Trusses shall have a properly attached structural sheathing and bottom chord shall have bracing installed per BCSP sections 83, 87 or B10, as applicable.

[illegible]

NTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

09/JUN/23/2012

24.0"

19FF- 111Y487 701

(12-010--F11) in later BRYAN ZECHER/NEELY --, ** - JVG)

Top chord 2x4 SP #1
Bot chord 2x6 SP M-26
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL-5.0 psf, wind BC DL-5.0 psf, lw=1.00 GCpf (+/-)=0.18

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 5.04
BC- From 11 plf at 0.00 to 11 plf at 3.67
BC- From 20 plf at 3.67 to 20 plf at 5.04
BC- 2336.16 lb Conc. Load at 1.10
BC- 2340.94 lb Conc. Load at 3.10

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.

1.5X3

5X8

2.5X6

3X4

5X5 (R)

1-6-6

2-6-10

11-7-8

10-1-8

7X8 (SRS) (R)

3X6 (R)

4X8 (R)

4X8 (R)

3X5

3-8-0
5-0-8 Over 2 Supports
1-4-8

R-2149 U-0 H-Simpson HUS26

R-2911 U-0 W-8"

Supported Member Face: (6) 0.148"

Supporting Member Face: (14) 0.148"

Supporting Member : (1) 2x6

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale =.5"/Ft.

FL/-4/-/-R/-

TC LL	20.0 PSF	REF	R487--	51221
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023112
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	263757	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	

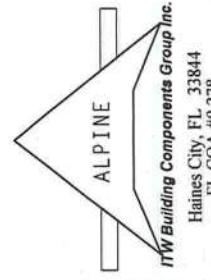


WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

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 NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/HI 1.1-1.1. The user of this design shall be responsible for the design of the truss and for the installation of the truss as shown above and on the jointed drawings or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-B00: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org



(12-010--Fill in later BRYAN ZECHER/NEELY -- . ** - EJ761)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 7.00
BC- From 10 plf at 0.00 to 10 plf at 7.00
BC- 1646.71 lb Conc. Load at 1.15, 3.15, 5.15

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

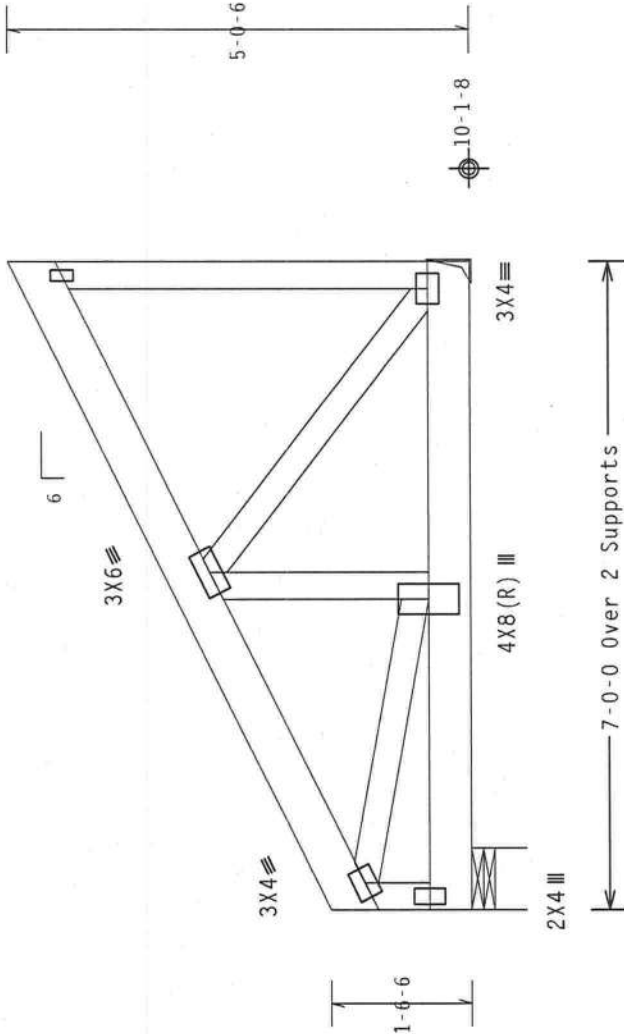
2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCPI (+/-)-0.18

Right end vertical not exposed to wind pressure.

1.5X3 Deflection meets L/240 live and L/180 total load.



R-2473 U-28 H-Simpson HHS26-2
Supported Member 2x6 @ 12.00" o.c. 8"x3" nails
Supporting Member 3x6 @ 4.50" o.c. 8"x3" nails
Supporting Member 3x4 @ 4" o.c. 8"x3" nails

R-2973 U-24 W=8"

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale = .5" / Ft.

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

TY: 10.03.04 0603.16

No. 06648

HARMING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL COMPACTORS 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 WICA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or bracing of trusses or associated components. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org



PLT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

REF	R487--	51222
DATE	01/23/12	
DRW	HCUSR487	12023113
HC-ENG	DF/DF	
SEQN-	264148	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF-	1UIY487_Z01	

(12-010--Fill) in later BRYAN ZECHER/NEELY -- , ** - K)

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

110 mph wind, 16.74 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

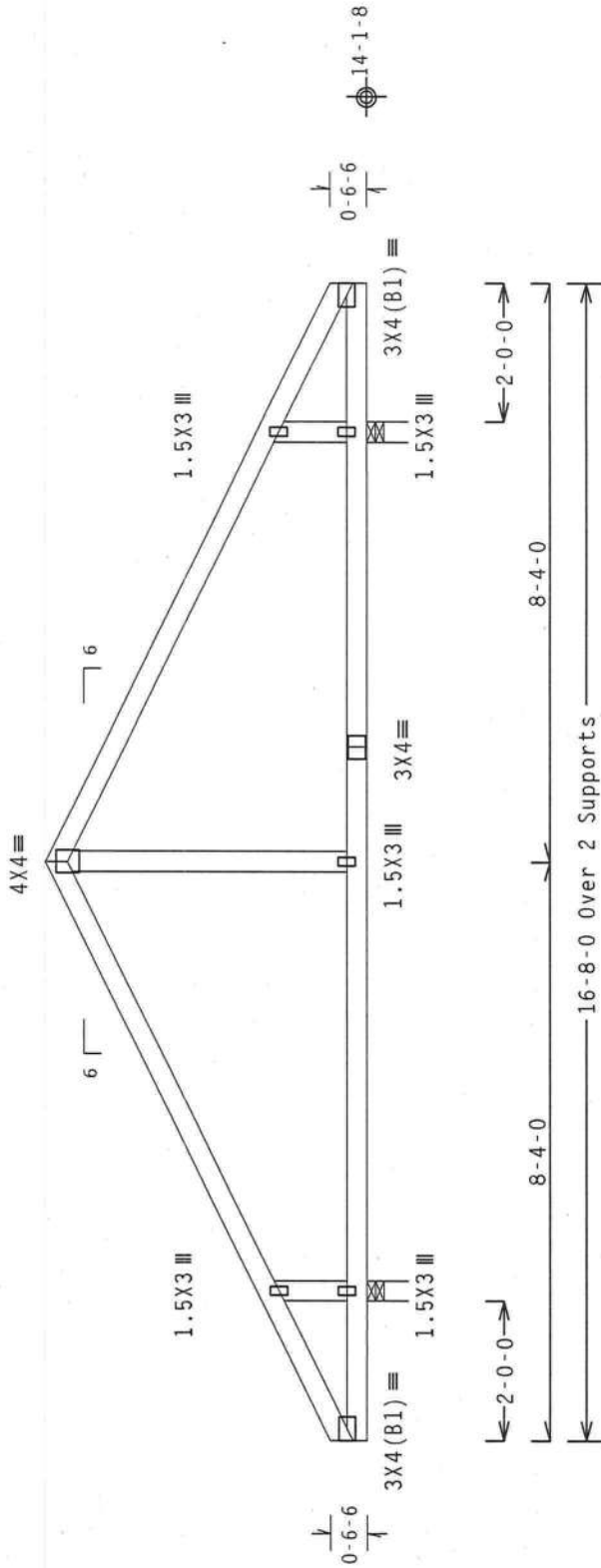
Left and right cantilevers are exposed to wind

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

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

Deflection meets L/240 live and L/180 total load.

MMFRS loads based on trusses located at least 8.37 ft. from roof edge.



R=686 U=52 W=3.5"
RL=86/-86

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave  ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	design crit. f02007res/1PI 2002 (310) FT/RT=10%(0)/0(0)		10.03.04.0604.15	QTY 1	FL / - / 4 / - / - / R / -		Scale = .375" / Ft.	
	IMPORTANT READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.							
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following editions of BCSI Building Component Safeguards for material, bracing, b.rpi and ktrca for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint in webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.							
	ITW Building Components Group Inc. (IIBCG) shall not be responsible for any deviation from the bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise, refer to drawings 160A-2 For standard plate positions. A seal on the bottom chord of the truss is required. The sealant shall be applied to the bottom chord of the truss. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's ICC website page: IIN-BCG: www.itwbcg.com ; TPI: www.tpinet.org ; NICA: www.sbcindustry.com ; www.1ccsafe.org							
	No. 66648							
	STATE OF FLORIDA							
	PROFESSIONAL ENGINEER							
	01/23/2012							
DUR.FAC.		1.25		TOT.LD.		40.0 PSF		
SPACING		24.0"		JREF-		1UIY487_Z01		



****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. Refer to and 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 per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints shall be in accordance with BCSI sections 6.7, 6.8 or 6.9, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the specifications of the building code or the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WICA: www.wicainc.com; ICC: www.iccsafe.org

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

	SP	#1
Top chord	2x4	SP
Bot chord	2x4	SP
Webs	2x4	SP

110 mph wind, 17.24 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

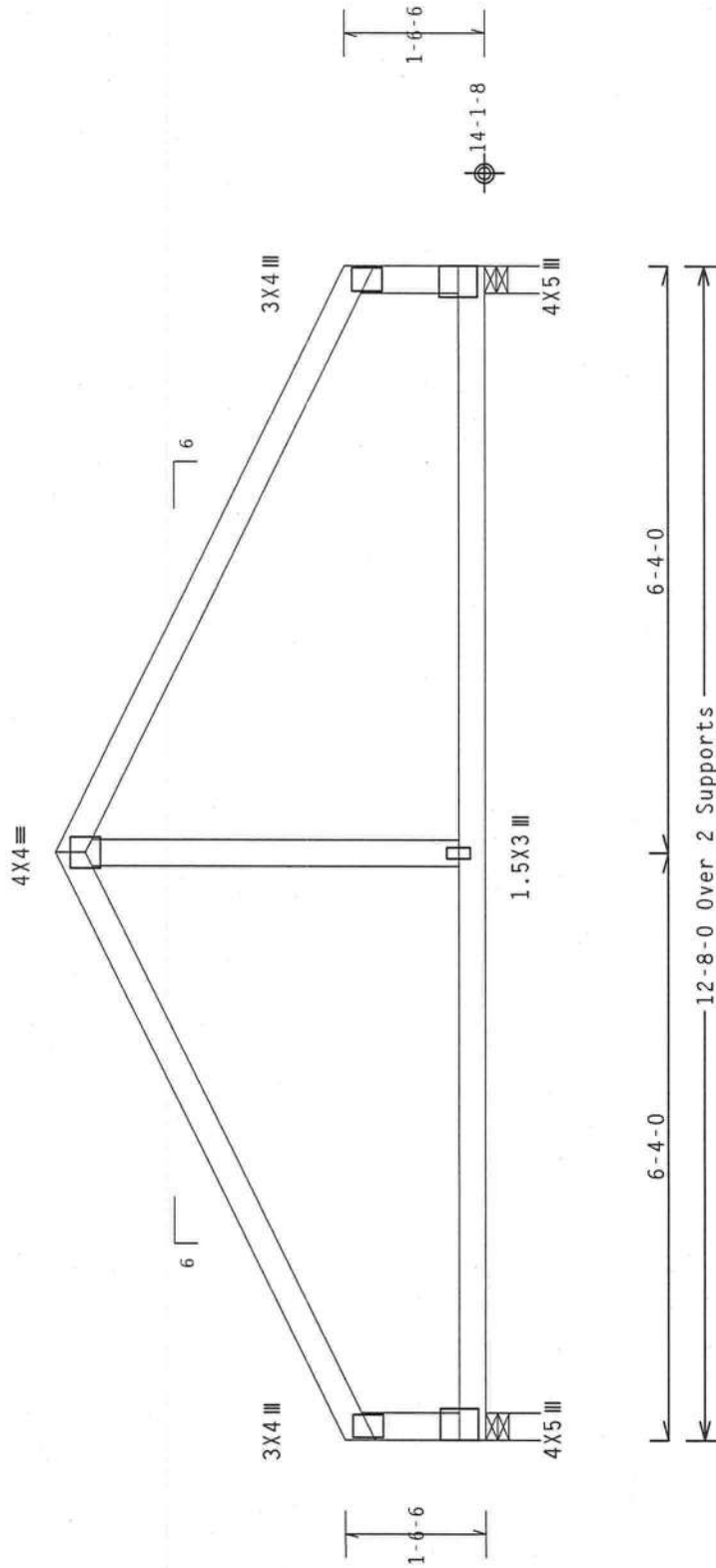
Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated horizontal deflection is 0.16" due to live load and 0.17" due to dead load.

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

Deflection meets L/240 live and L/180 total load.

MMFRS loads based on trusses located at least 8.62 ft. from roof edge.



R-522 U-48 W=3.5"
RL-65/-65

R=522 U=48 W=3.5"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) $FT/RT=10\%(0\%)/0(0)$

Scale = .5"/Ft.

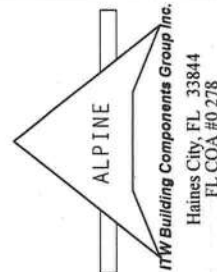
TC LL	20.0	PSF	REF R487-- 51225
TC DL	10.0	PSF	DATE 01/23/12
BC DL	10.0	PSF	DRW HCUR487 12023116
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 263049
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UIV487_Z01



*****HARRING*** 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. Installer to follow the latest edition of BCSI (Building Component Safety Information, by IPI and NITCA) practices prior to performing these functions. Installer shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached per ceiling. Conditions shown for permanent lateral restraint of wall shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

LTM Building Components Group Inc. (LTBCBG) shall not be responsible for any deviation from any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 100a-2 for standard plate locations. See also the responsibility solely for the design shown. The suitability and use of this design for any structure, the responsibility of the Building Designer per ANSI/IPI 1 Sec.2. For more information see: This Job's general notes page: LTM-BG0; www.ltm-bcg.com; IPI: www.ipinrtr.org; NITCA: www.abcnitca.org; www.1tcsafe.org



(12-010--Fill in later BRYAN ZECHER/NEELY -- ** - H7L)

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

Left cantilever is exposed to wind

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

#1 hip supports 9-0-0 Jacks W/2 panel TC and no end vert.

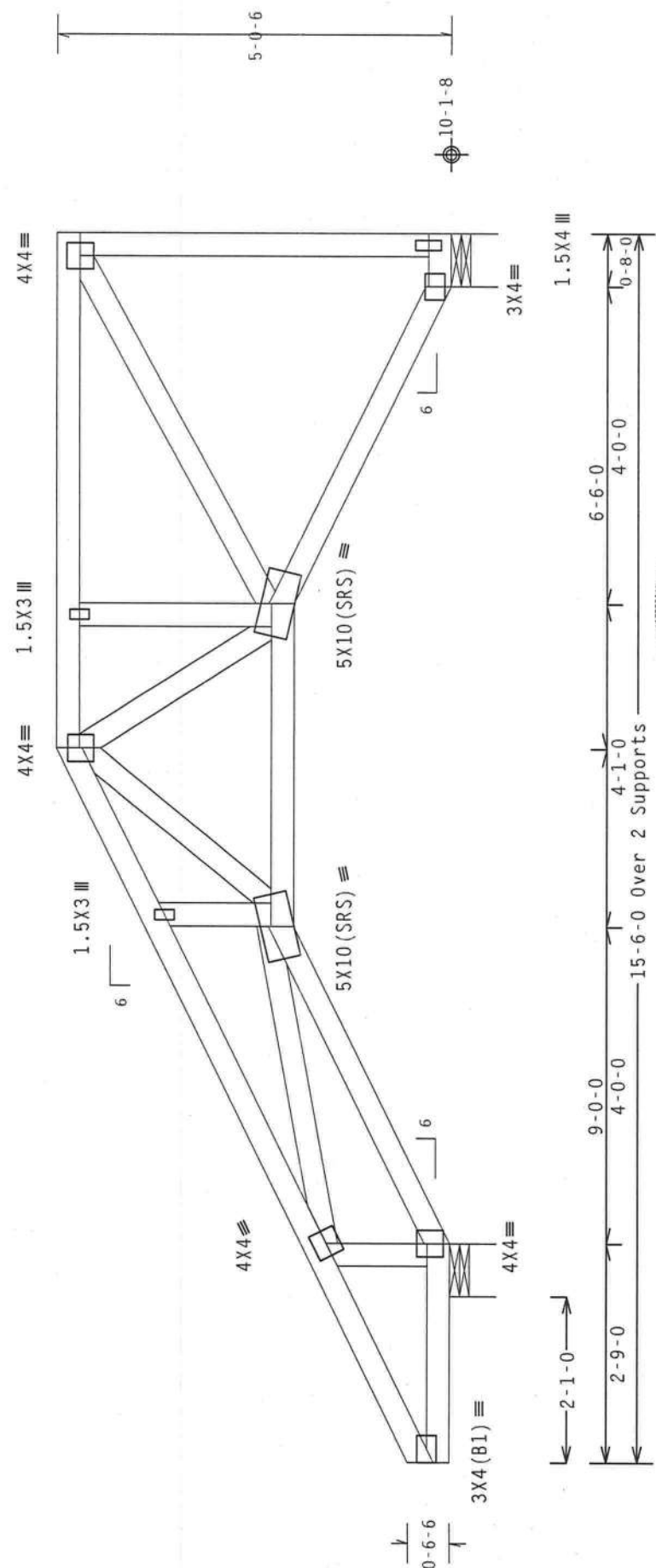
Deflection meets L/180 live and L/120 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCp1(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

Left side Jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang.
End Jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. Right side Jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.



R-1186 U-110 W-8"

R-1216 U-106 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

 Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		CITY: FT/RT=10%(0%)/0(0)		Scale = .5" / Ft.			
	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 VICA) for BCSI practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		FL / - / 4 / - / - / R / -		REF R487 -- 51226			
	IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information refer to the general notes page: IITW-BCG: www.iitwbcg.com; TPI: www.tpinet.org; VICA: www.vicaindustry.com; ICC: www.iccsafe.org		10-04-04 0604.16		TC LL 20.0 PSF			
			DOUGLAS FLEMING LICENSE No. 66648		TC DL 10.0 PSF			
			STATE OF FLORIDA PROFESSIONAL ENGINEER		BC DL 10.0 PSF			
			01/23/2012		BC LL 0.0 PSF			
			TOT.LD. 40.0 PSF		HC-ENG DF/DF			
			DUR.FAC. 1.25		SEQN- 263094			
			SPACING 24.0"		JREF- 1UIY487_Z01			

Top	chord	2x4	SP #1
Bot	chord	2x4	SP #1
	webs	2x4	SP #3

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webs 2x4 SP #3 :W1 2x4 SP #2:

```

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.

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

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

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-) -0.18

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

Right end vertical not exposed to wind pressure.

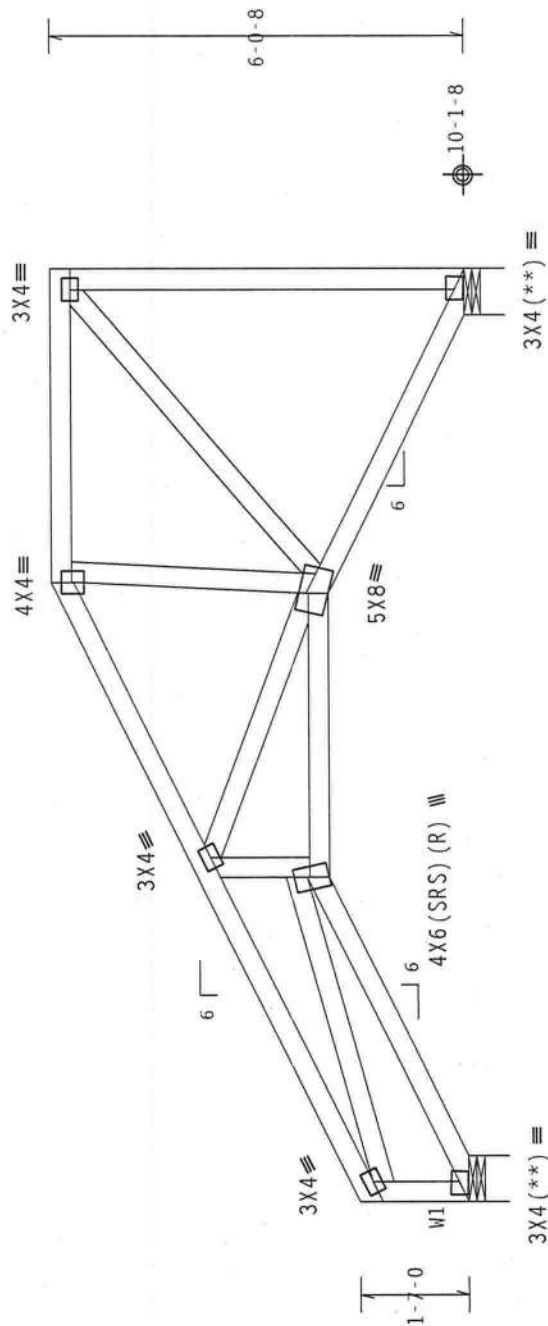


Diagram showing the elevation of a bridge structure with dimensions and supports:

- Span length: 8-11-0
- Span length: 4-8-0
- Span length: 4-1-0
- Span length: 4-6-0
- Span length: 4-8-0
- Supports: 13-5-0 over 2 Supports

R=564 U=0 W=8"
RL=68/-23

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .375"/Ft.

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

OTY

060/2090

100

3CZ00/RES/1PI-2002
ET/PT=10%(0%) / 0(0)

Design Crit:

PLT TYP. Wave

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

[illegible][illegible]

ALPINE
ITW Building Components
Haines City, FL 33844
FL COA #0 35

Haines City, FL 33844
FL COA #0 278

Haines City, FL 33844
FL COA #0 278

Haines City, FL 33844
FL COA #0 278

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - LG)

Top chord 2x4 SP #1
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpf(+/-)=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.

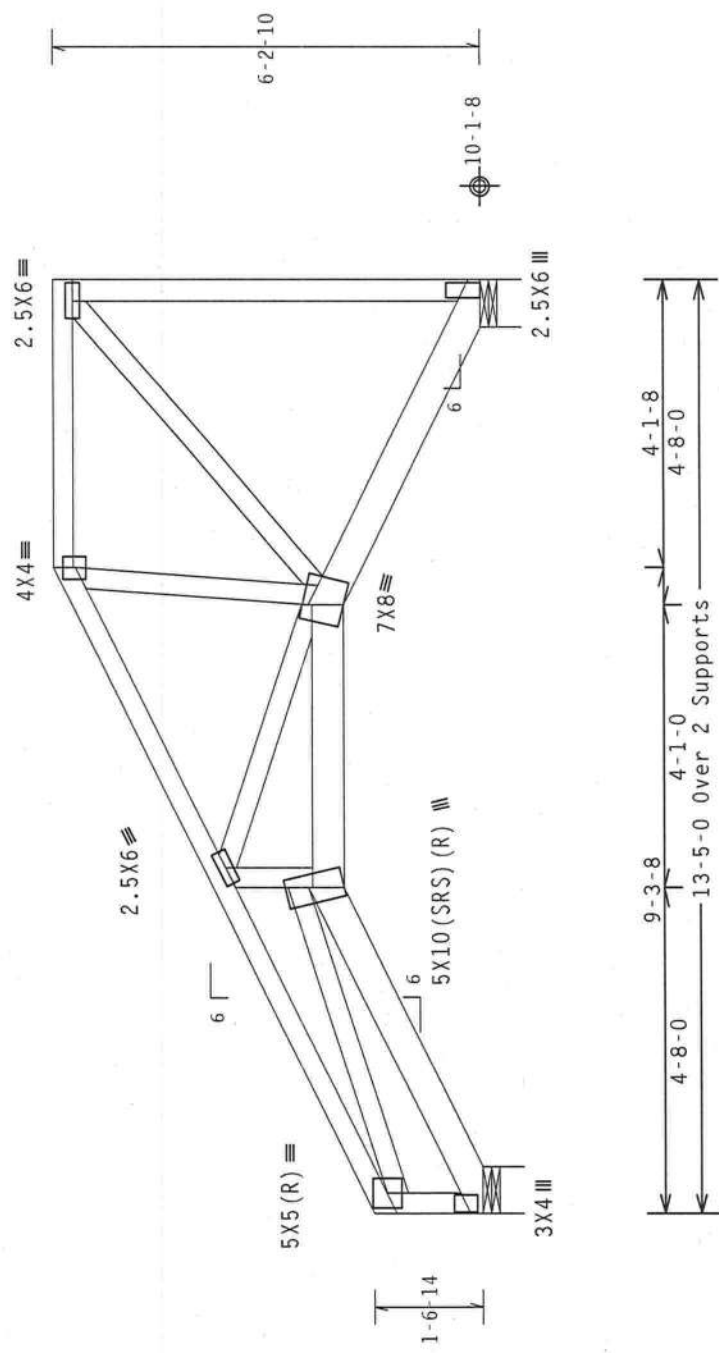
Bottom chord checked for 10.00 psf non-concurrent live load.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

Special loads

TC- From	Dur.Fac.-1.25 / Plate	Dur.Fac.-1.25
TC- From	31 plf at 0.00 to	31 plf at 9.29
TC- From	62 plf at 9.29 to	62 plf at 13.42
BC- From	11 plf at 0.00 to	11 plf at 4.67
BC- From	10 plf at 4.67 to	10 plf at 8.75
BC- From	11 plf at 8.75 to	11 plf at 13.42
BC- 291.92 lb Conc. Load at	1.73, 11.73	
BC- 289.08 lb Conc. Load at	3.73, 5.73	
BC- 280.00 lb Conc. Load at	7.73, 9.73	



R-1162 U-81 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)

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

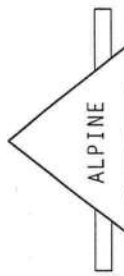
Scale = .375"/Ft.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

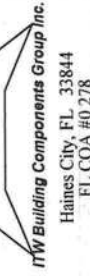
REF	R487--	51228
DATE	01/23/12	
DRW	HCUSR487	12023119
HC-ENG	DF/DF	
SEQN	263110	
JREF	1UIY487_Z01	



****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPANIES 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 IPT and WICA) for best practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord bracing as noted on this drawing. Trusses shall be braced in accordance with the bracing and bottom chord bracing shall have bracing installed per BCSI sections B3, B7 or E10, as applicable.
IPT Building Components Group Inc. (IBCG) shall not be responsible for any deviation from the design of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal or 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; IIR-BG: www.itubcg.com; TPI: www.tpinat.org; NCCA: www.nccanet.org; ICC: www.iccsafe.org



ALPINE



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

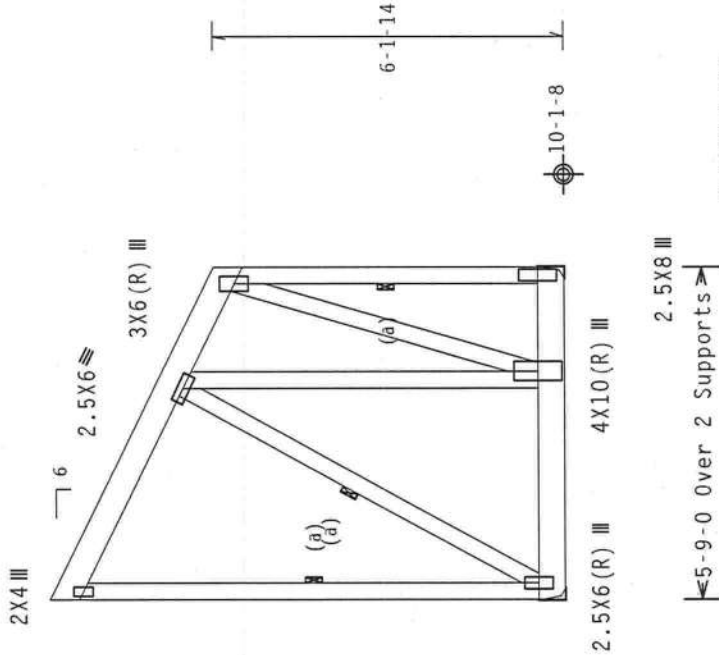
(12-010--F111 in later BRYAN ZECHER/NEELY --, ** - MG)

Top chord 2x6 SP M-26
Bot chord 2x6 SP M-26
Webs 2x4 SP #3

110 mph wind, 17.72 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.
(J) hanger connection not found in inventory file for this condition. Provide connection.

(a) Continuous lateral bracing equally spaced on member.



R-1785 U=173 H-Simpson HUS26
Supported Member Face: (4) 0.162"x3.5" nails
Supporting Member Face: (14) 0.162"x3.5" nails
Supporting Member: (1) 2x6 SP #2

R=1859 U=196
H=SimpsonH1

Special loads
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 31 plf at 0.00 to 31 plf at 5.75
BC- From 10 plf at 0.00 to 10 plf at 5.75
BC- 1703.58 lb Conc. Load at 1.94, 3.94

End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .3125"/Ft.

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	REF	R487 - -	51229
TC DL	10.0 PSF		DATE	01/23/12	
BC DL	10.0 PSF		DRW	HCUSR487	12023120
BC LL	0.0 PSF		HC-ENG	DF/DF	
TOT.LD.	40.0 PSF		SEQN-	264630	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UIY487_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have permanent lateral bracing installed. Trusses shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and shall conform with ANSI/TPI 1, or for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCSI: www.itwbcg.com; TPI: www.tpiinst.org; NCCA: www.nccare.org; ICC: www.iccsafe.org

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

(12-010--Fill in later BRYAN ZECHER/NEELY -- , ** - M)

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

Left cantilever is exposed to wind

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

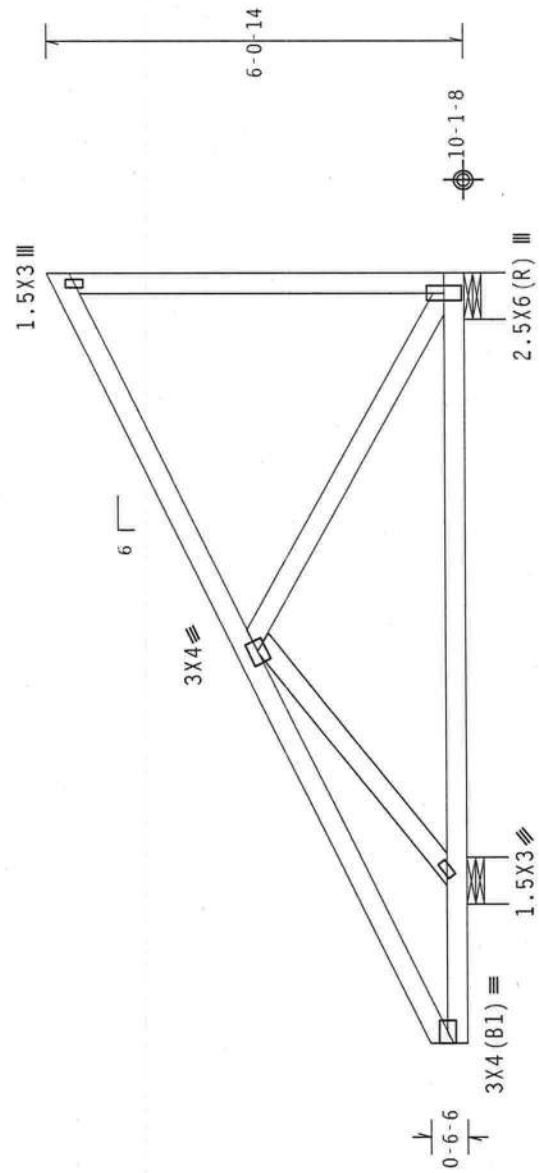
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcp1(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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



11-1-0 Over 2 Supports
R-589 U-0 W-8"
RL-85/-28

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

PLT TYP. Wave	Scale = .375"/Ft.
ALPINE	REF R487-- 51230
DATE 01/23/12	DATE 01/23/12
DRW HCUSR487 12023121	DRW HCUSR487 12023121
HC-ENG DF/DF	HC-ENG DF/DF
SEQN- 262932	SEQN- 262932
DUR.FAC. 1.25	DUR.FAC. 1.25
SPACING 24.0"	SPACING 24.0"
JREF- 1UIY487_Z01	JREF- 1UIY487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPANIES 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 IPI and WICA) for details and practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord bracing as shown on drawings. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any damage to property or persons resulting from the use of this design. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.2. or more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WICA: www.bctindustrial.com; ICC: www.iccsafe.org

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - MS)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)-0.18

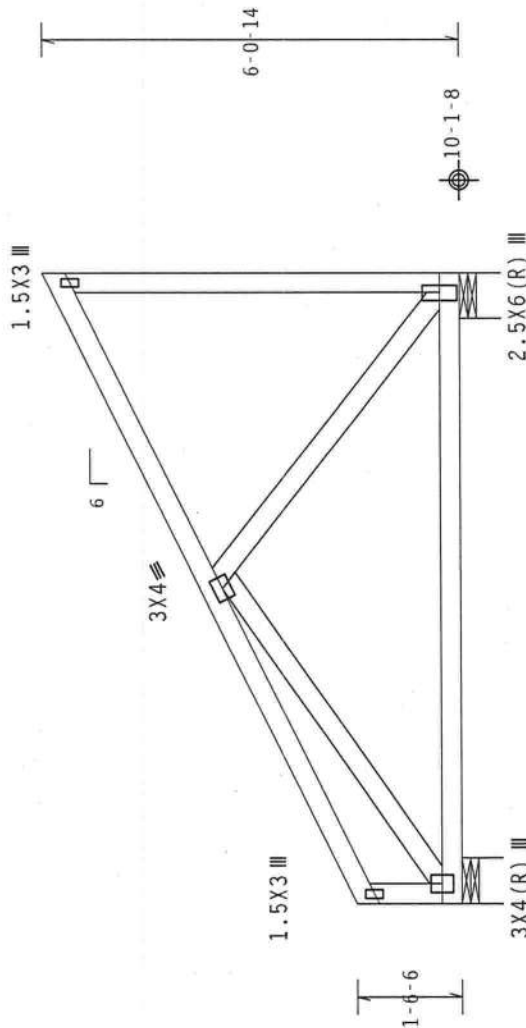
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

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

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

Right end vertical not exposed to wind pressure.



9-1-0 Over 2 Supports
R-374 U=0 W=8
RL=70/-23

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	51231
TC DL	10.0 PSF	DATE	01/23/12	
BC DL	10.0 PSF	DRW	HCUSR487	12023005
BC LL	0.0 PSF	HC-ENG	DF/DF	*
TOT.LD.	40.0 PSF	SEQN-	262950	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UIY487_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and BCSI) for details and practices prior to performing these tasks. The contractor shall have properly attached structural sheathing and bracing to the truss. The contractor shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering structure and the responsibility solely for the design shown. The suitability and use of this design and structure is the responsibility of the building designer. IPI: www.tpiinst.org; NICA: www.sbciindustry.com; ICC: www.iccsafe.org



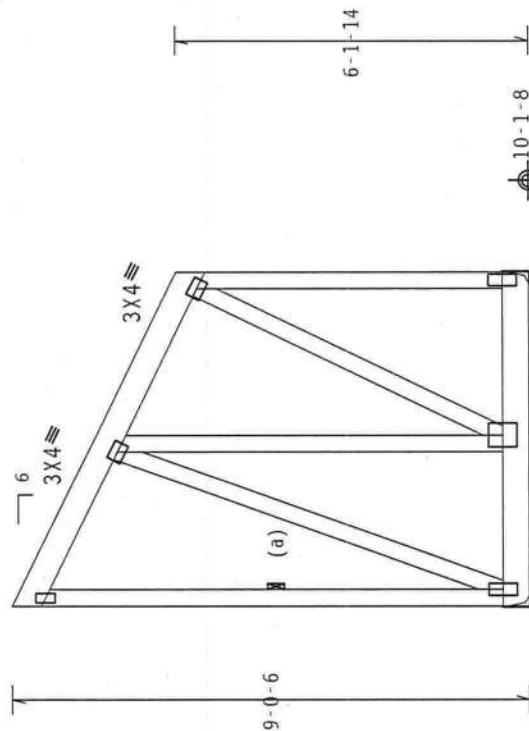
	Top	chord	2x6	SP	#2
	Bot	chord	2x6	SP	#2
		webs	2x4	SP	#3

1110 mph wind, 17.72 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpf (+/-)=-0.18

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

(a) Continuous lateral bracing equally spaced on member.

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



2.5X6(R) III 5X6(R) III 2.5X6 III

5-9-0 Over 2 Supports

R-951 U-105 H=Simpson LUS26

Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (1) 2x6 SP #2

R=988 U=120 H=Simpson LU26

Supported Member Face: (4) 0.148"x1.5" nails
Supporting Member Face: (6) 0.162"x3.5" nails
Supporting Member : (2) 2x6 SP M-26

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety) Information, by IPSP and UICPA for safety.

Installers shall perform these functions. Installers shall provide temporary bracing per the notes indicated prior to performing these functions. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Connections shown for permanent lateral restraint of web shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ALPINE

TTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Haines City, FL 33844
FL COA #0 278

Special loads

Species	Sex	Age	Weight (g)	Length (mm)	Wing (mm)	Tail (mm)	Bill (mm)	Foot (mm)	Middle toe (mm)	Claw (mm)	Sexual maturity	Survival	Remarks
TC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Female	Adult	100.0	180.0	70.0	100.0	15.0	20.0	10.0	5.0	1.25	1.00	1.25
BC	Male	Adult	100.0										

End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/240 live and L/180 total load.

Scale = .3125"/Ft.

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

REF R487-- 51232

DATE 01/23/12

DATE 02/20/22
DR# HCUSP487 13033123

DKW HC03K467 12023122

HC ENC DE/DE

HC-ENG	DF/DF
001-000	001-000

SEQN-	264608
-------	--------

JREF- 1UIY487_Z01

(12-010--Fill in later BRYAN ZECHE/NEELY -- , ** - MV1)

Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1
	webs	2x4	SP	#3

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Left cantilever is exposed to wind

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

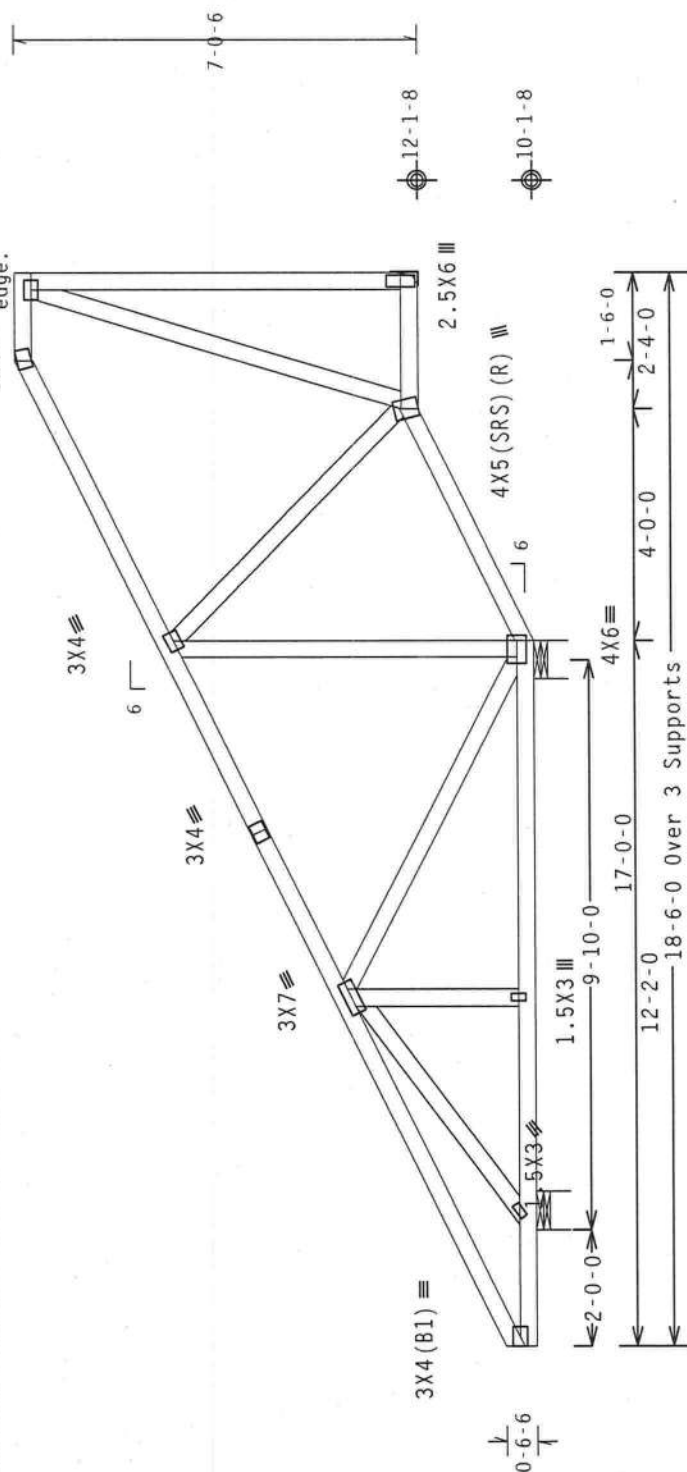
Deflection meets L/240 live and L/180 total load.

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

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24"
3X4 @ OC.

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



R-415 U-68 H-Simpson LU24
 Supplying Member Face: (2) 0.148"x1.5" nails
 Supplying Member Face: (4) 0.148"x3" nails
 Supplying Member : (1) 2x4 SP #2 Dense

R=717 U=0 W=8"
RL=141/-54

R=502 H=0 W=8"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI -2002 (STD)
FT/RT=10%(0%)/0(0)

Fl 1 - 141 - 1 - 1R1 - Scale = .3125" / Ft.

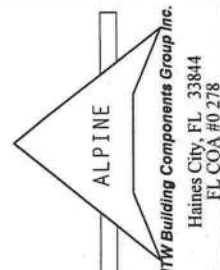
10 08 04/0607 16 00TY:

REF	R487 - -	51233
DATE	01/23/12	
DRW	HCUSR487 12023123	
HC-ENG	DF/DF	
SEQN-	263118	
20.0 PSF		
10.0 PSF		
10.0 PSF		
0.0 PSF		
40.0 PSF		
1.25		
24.0"		

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Be sure to follow the latest edition of the Building Designer's Code of Safe Practice for Trusses and Joists. To avoid the possibility of injury or damage to the trusses, installers shall provide temporary bracing per the instructions noted otherwise. No chord shall have a properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint which shall have bracing installed per BC31 sections B3, B7 or B10, as applicable.

THE Building Components Group Inc. (L1N-BCG) shall not be responsible for any deviation from this design. The building failure to build the truss in conformance with ANSI/TPI 1, or for handling, installation, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joist and Truss Detail, unless noted otherwise. Refer to drawings L60A-2 For standard plate positions. A seal on the underside of the truss or cover 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 ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; L1N-BCG: www.bcbg.com; TPI: www.tpiinst.org; NICA: www.secthinast.com.



(12-010--Fill in later BRYAN ZECHER/NEELY -- , ** - MV2)

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

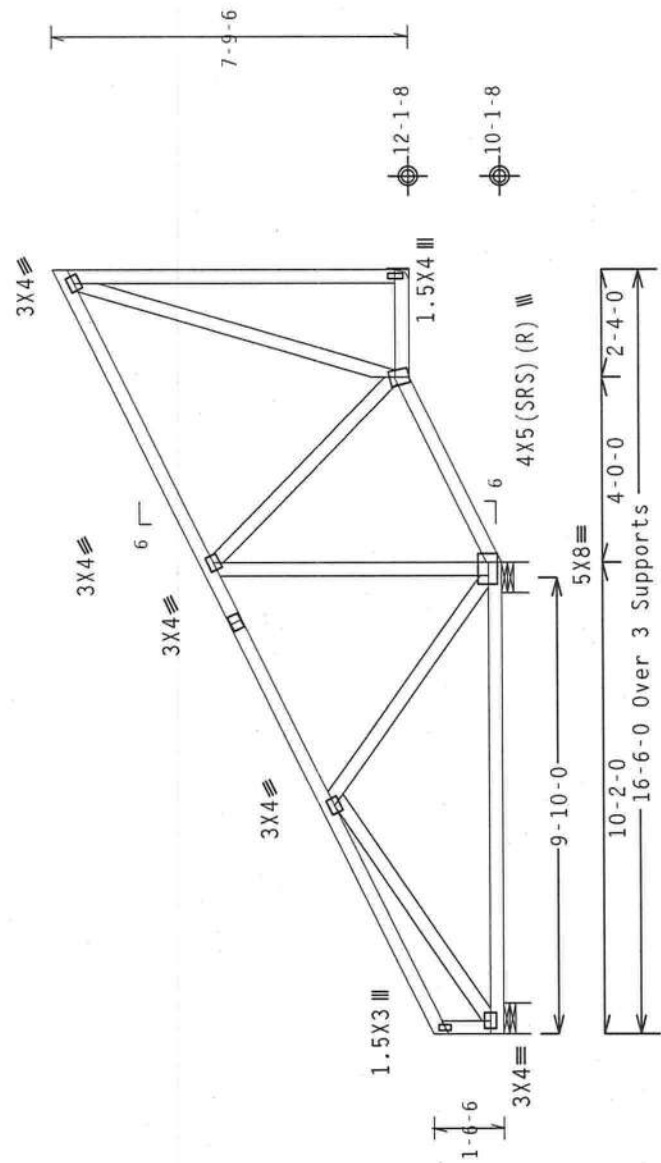
MWFRS loads based on trusses located at least 15.78 ft. from roof edge.

110 mph wind, 15.78 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 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.



R-179 U-29 H-Simpson LU24
Support connections: (2) 0.148"x1.5" nails
Support connections: (4) 0.148"x3" nails
Support connections: (4) 0.148"x3" nails
Support connections: (4) 0.148"x3" nails

R-366 U-0 W-8"
RL-140/-52
R-824 U-16 W-8"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .25"/Ft.

PLT TYP. Wave

IMPORTANT FURNISH THIS DESIGN TO ALL COMPARTMENTS 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 KICA for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI practices noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 85, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss members for standard plate positions. A seal on the bottom chord of the truss shall be used for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: this job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; KICA: www.kicaindustry.com; ICC: www.iccsafe.org	
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET	
FL / - / 4 / - / R / -	
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
REF	R487-- 51234
DATE	01/23/12
DRW	HCUSR487 12023124
HC-ENG	DF/DF
SEQN-	263125
JREF-	1UIY487_Z01

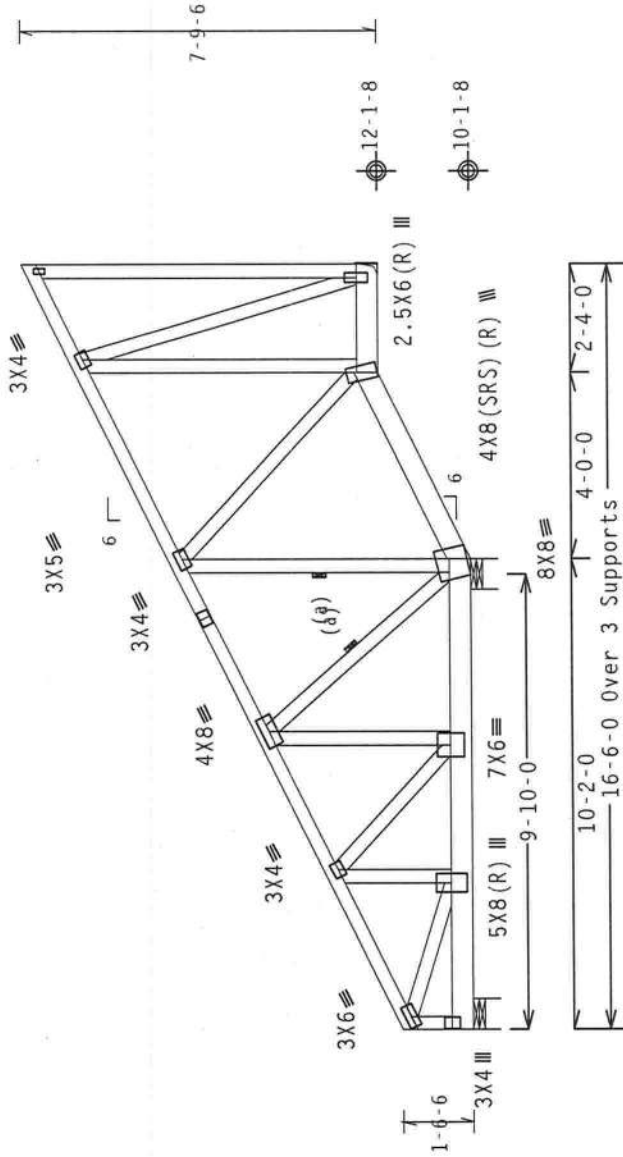
Special loads	Dur.Fac.=1.25 /	Plate Dur.Fac.=1.25)
----- (Lumber	62 plf at	62 plf at 16.50
TC- From	16.15	16.15
	5.00	5.00
	10.15	10.15

BC-From	22 plf at 10.17 to	22 plf at 14.17
BC-From	20 plf at 14.17 to	20 plf at 16.50
BC-987.62 lb Conc.	Load at 1.27, 3.27, 5.27, 7.27	

BC- 896.21 1b Conc. Load at 11.27,13.27,15.27

(a) Continuous lateral bracing equally spaced on member.

1.5X3 III



R-838 U-1300 Simpson LUS24

Scale = .25"/Ft.

6848

NO. 00040

FLORIDA PROFESSIONAL ENGINEER 01/23/2012

HC-ENG_DF/DF	
SEQN-	263141
JREF-	1UIY487_Z01

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

1110 mph wind, 23.55 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpt(+/-)=0.18

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

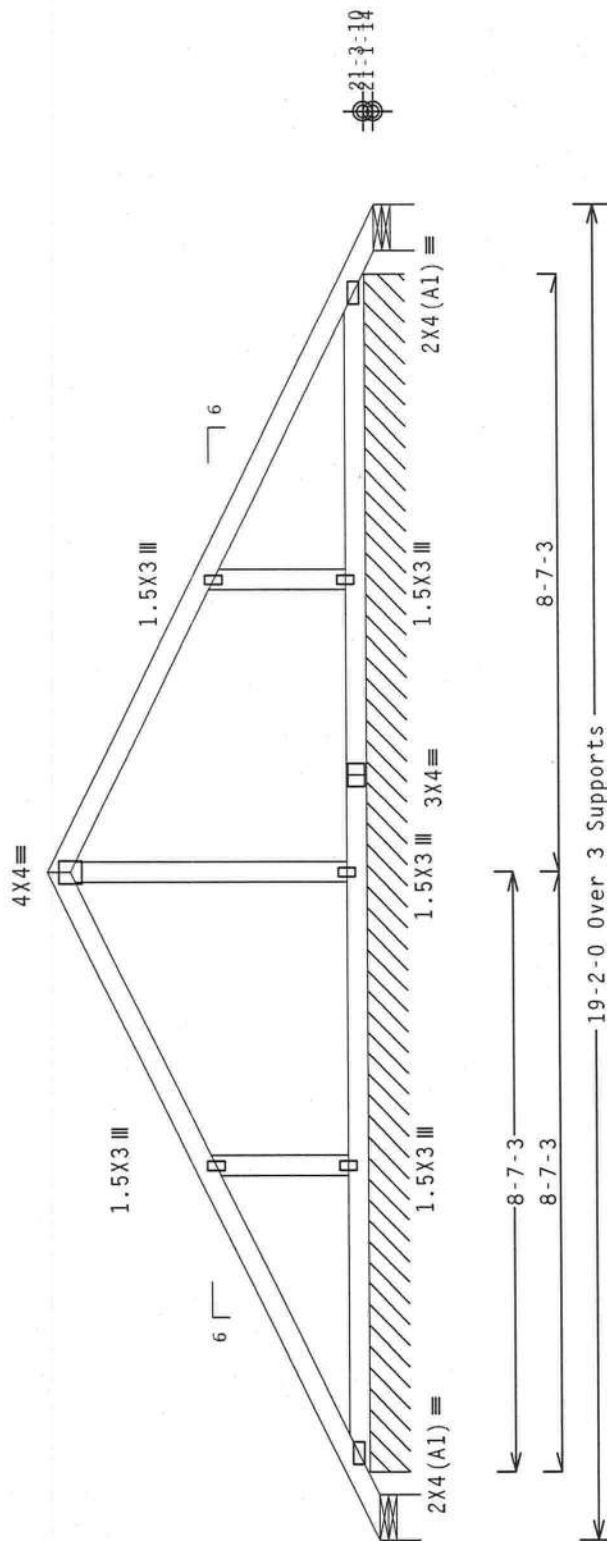
refer to DWG PB1200310 for piggyback details.

Special loads

Special loads		Dur. Fac.=1.25 / Plate Dur. Fac.=1.25	
----- (Lumber			
TC- From	62 pif at	0.00 to	62 pif at 9.58
TC- From	62 pif at	9.58 to	62 pif at 19.17
BC- From	4 pif at	0.00 to	4 pif at 19.17

Deflection meets L/240 live and L/180 total load.

MMWFRS loads based on trusses located at least 23.55 ft. from roof edge.



R=-.37 R_W=.52 II=.55 W=.7826"

RI = 98/R-986 PLF U=11 PLF W=17-2-6

19-2-0 Over 3 Supports

R=-.37 RW=9 II=13 W=7 827"

Design Crit: FBC2007Res/TPI-2002(STD)

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

PIT TYP. Wave

Scale = .375"/Ft.

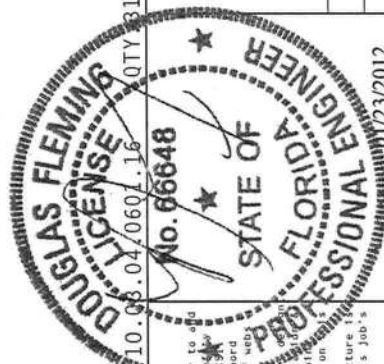
TC LL	20.0	PSF	REF R487--	51236
TC DL	10.0	PSF	DATE	01/23/12
BC DL	10.0	PSF	DRW	HCUR487 12023126
BC LL	0.0	PSF	HC-ENG	DF/DF
TOT.LD.	40.0	PSF	SEQN-	264114
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UIV487_Z01

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

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP Building Component Safety Information by IPI and WCA for details regarding proper installation and bracing practices. Truss manufacturers shall provide specific instructions for bracing prior to performing these functions. Installers shall provide temporary bracing per BCSP guidelines until permanent bracing can be installed. Trusses shall have a properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Conditions shown for permanent lateral restraint. Webs shall have bracing installed per CSI sections B3, B7 or B10, as applicable.

The Building Components Group, Inc. (BldgComp) shall be responsible for any deviation from the design shown on the drawings. The truss in compliance with ANSI/IPE 1 or for handling, shipping, installing and erecting of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail Drawing. The drawings shall be used to determine the correct position of the truss and the position of the metal plates, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the 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/IPE 1, Sec.2.2. www.bldgcomp.com. This job's general notes page 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - H21BP)

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

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

110 mph wind, 21.66 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-2.0 psf. 1W=1.00 GCp1(+/-)=0.18

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

Refer to DWG PB1200310 for piggyback details.

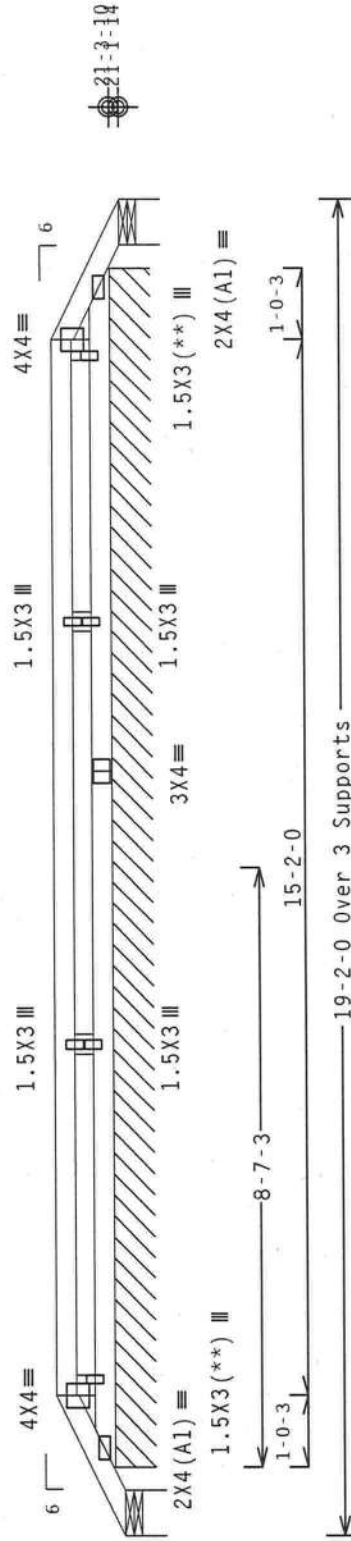
Special loads

-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0.00 to 62 plf at 2.00
TC- From 2.00 to 62 plf at 17.17
TC- From 17.17 to 62 plf at 19.17
BC- From 0.00 to 4 plf at 19.17

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

Deflection meets L/240 live and L/180 total load.

MMFRS loads based on trusses located at least 21.66 ft. from roof edge.



R-23 U-5 W-7.826"

R-69 PLF U-21 PLF W-17-2-6

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale = .375"/Ft.

ALPINE ITW 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. 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 WICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per the drawings and shall have a properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 85, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or for any failure to build the truss in accordance with the design and specifications. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WICA: www.sbcsindustry.com; ICC: www.iccsafe.org	DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 10.06.04 0607.16 12/23/2012	FL / - / 4 / - / - / R / - TC LL 20.0 PSF TC DL 10.0 PSF BC DL 10.0 PSF BC LL 0.0 PSF TOT.LD. 40.0 PSF DUR.FAC. 1.25 SPACING 24.0"	REF R487-- 51237 DATE 01/23/12 DRW HCUSR487 12023127 HC-ENG DF/DF SEQN- 261943 JREF- 1UIY487_Z01

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - H23BP)

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

110 mph wind, 22.16 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpf(+/-)=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.

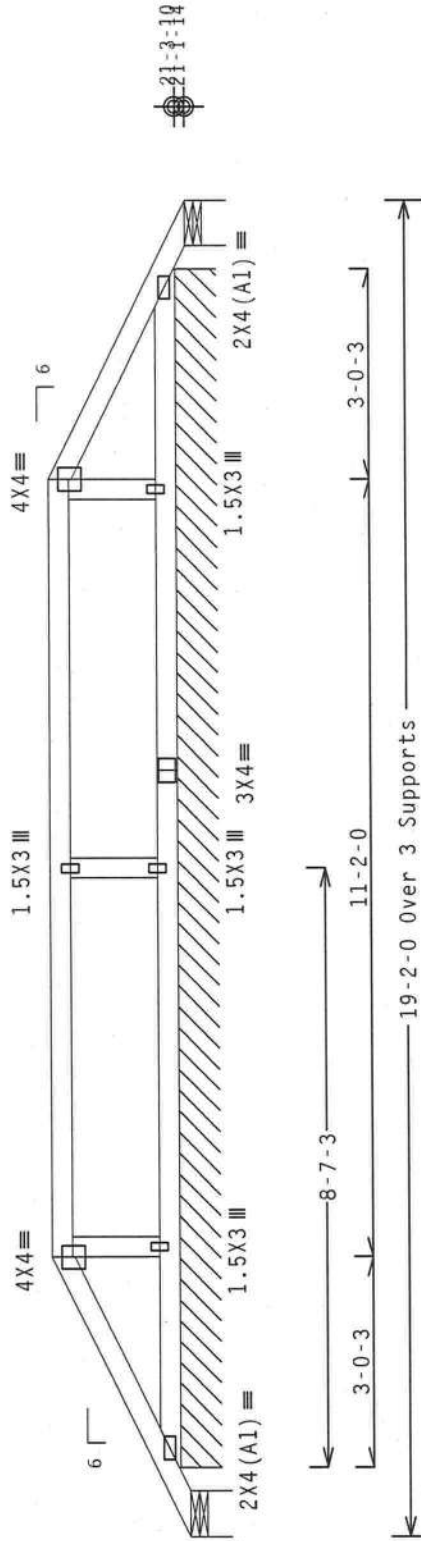
Refer to DWG PB1200310 for piggyback details.

Special loads

----- (Lumber
TC- From Dur.Fac.=1.25 / plate Dur.Fac.=1.25)
62 plf at 0.00 to 62 plf at 4.00
TC- From 62 plf at 4.00 to 62 plf at 15.17
62 plf at 15.17 to 62 plf at 19.17
BC- From 4 plf at 0.00 to 4 plf at 19.17

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

MWFRS loads based on trusses located at least 22.16 ft. from roof edge.



R-13 R=22 U=20 W=7.826"

RL-39/R-300 PLF U=17 PLF W=17-2-6

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale = .375"/Ft.

REF R487-- 51238

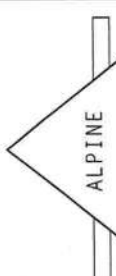
DATE 01/23/12

DRW HCUR487 12023128

HC-ENG DF/DF

SEQN- 261951

JREF- 1UIY487_Z01



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

****IMPORTANT**** 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 HICA for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the bracing of trusses. Apply plates and bolts as shown. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; HICA: www.hicaindustry.com; ICC: www.iccsafe.org

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

DOUGLAS FLEMING
LICENSE
No. 06848
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
01/23/2012

QTY 1
10.08.04.0601.15
FL/-/4/-/R/-
TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 10.0 PSF
BC LL 0.0 PSF
TOT.LD. 40.0 PSF
DUR.FAC. 1.25
SPACING 24.0"

	SP	#1
Top chord	2x4	SP #1
Bot chord	2x4	SP #1
Web	2x4	SP #3

1110 mph wind, 22.66 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP 8, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpt (+/-)=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.

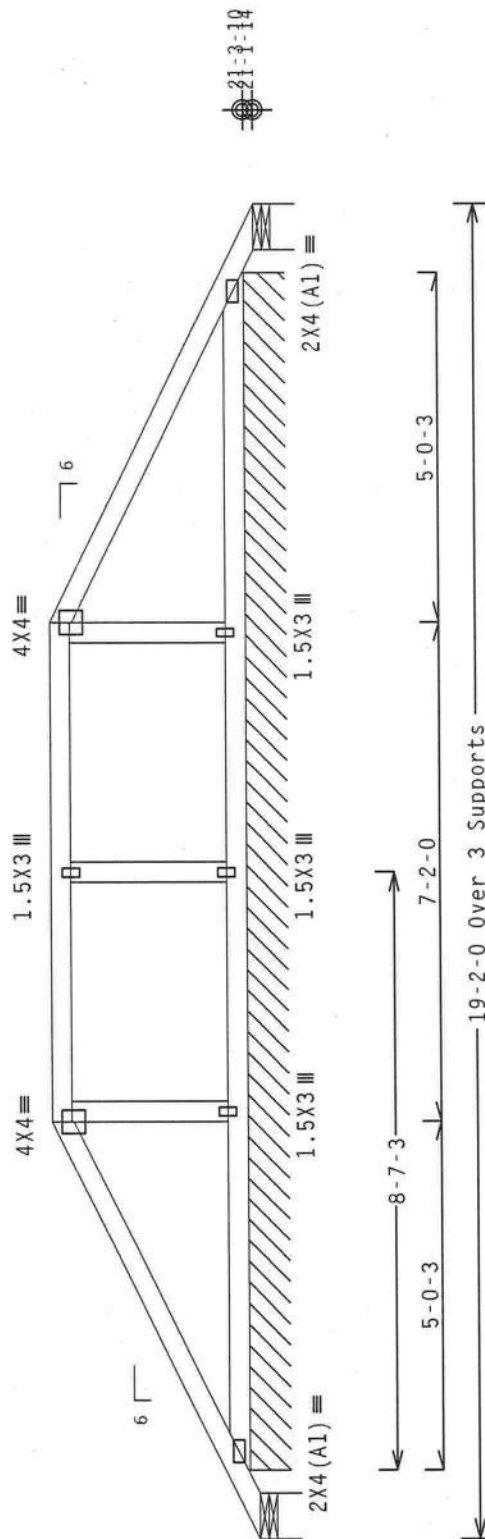
Refer to DWG PB1200310 for piggyback details.

Special loads

Special loads	----- (Lumber	Dur. Fac.=1.25 /	Plate Dur.Fac.=1.25)
TC- From	62 pif at 0.00 to	62 pif at 6.00	
TC- From	62 pif at 6.00 to	62 pif at 13.17	
TC- From	62 pif at 13.17 to	62 pif at 19.17	
BC- From	4 pif at 0.00 to	4 pif at 19.17	

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

MMFRS loads based on trusses located at least 22.66 ft. from roof edge.



R=-85 RW=51 U=66 W=7.826"
RI=60/R=51 PLF U=15 PLF W=

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .375" / Ft.

FI 1-141-1-1R/-

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information), by TPI and NICA for all applicable provisions prior to performing these functions. Installers shall provide temporary bracing per CSO's notes 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 truss shall have been installed per RCSD sections B3, B7 or B10, as applicable.

[illegible]

ALPINE

MTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Haines City, FL 33844
FL COA #0278

2012/07/23/2012

CONTACT NO. 24 0"

1055-1117V187 701

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - H27BP)

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

110 mph wind, 23.16 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. 1w=1.00 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.

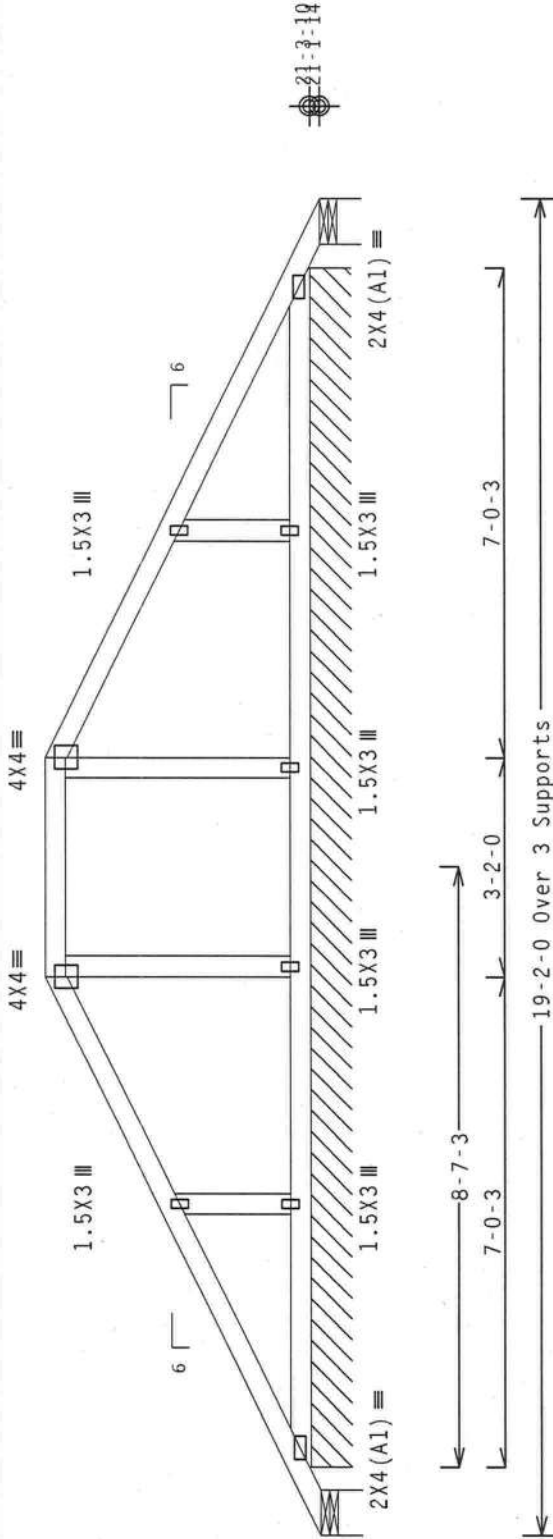
Refer to DWG PB1200310 for piggyback details.

Special loads

----- (Lumber)
TC- From Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
IC- From 62 plf at 0.00 to 62 plf at 8.00
TC- From 62 plf at 8.00 to 62 plf at 11.17
IC- From 62 plf at 11.17 to 62 plf at 19.17
BC- From 4 plf at 0.00 to 4 plf at 19.17

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

MWFRS loads based on trusses located at least 23.16 ft. from roof edge.



R=-19 Rw=42 U=46 W=7.826"
RL=81/R814 PLF U=11 PLF W=17-2-6

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

FL/-/4/-/R/-	Scale = .375"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by JPI and WICA) for BCSI practices prior to performing these functions. Installers shall provide temporary bracing per BCSI's approved schedule. Top chord and bottom chord shall be braced in accordance with BCSI's approved schedule. Top chord and bottom chord shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from this design or 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 joint details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's General Notes page; IPI-BCG: www.iplibcg.com; TPI: www.tpinet.org; WICA: www.bcsindustry.com; ICC: www.iccsafe.org

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

01/23/2012

JREF- 1UIY487_Z01

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

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

11110 mph wind, 21.66 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=-2.0 psf. Iw=1.00 GCpf(+/-)=0.18

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

Refer to DWG PB1200310 for piggyback details.

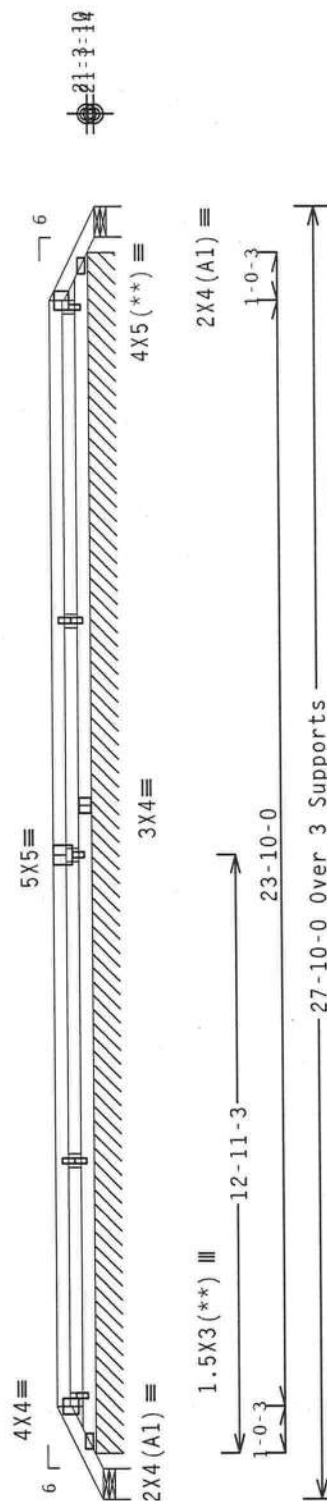
Special loads

	Dur. Fac. = 1.25 / Plate Dur. Fac. = 1.25	
62 plf at 0.00 to 62 plf at 2.00	62 plf at 0.00 to 62 plf at 2.00	62 plf at 2.00 to 62 plf at 25.83
62 plf at 2.00 to 62 plf at 25.83	62 plf at 2.00 to 62 plf at 25.83	62 plf at 25.83 to 62 plf at 27.83
62 plf at 25.83 to 62 plf at 27.83	62 plf at 25.83 to 62 plf at 27.83	62 plf at 27.83 to 62 plf at 27.83

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

Deflection meets L/240 live and L/180 total load.

MMWFRS loads based on trusses located at least 21.66 ft. from roof edge.



P=23 I=5 W=7.826"

U-3 W=7.020
R=68 PLF U=18 PLF W=25-10-6

Note: All Plates Are 1.5X3 Except As Shown:

Design Crit: FBC2007Res/TPI-2002(STD)

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

PLT TYP. Wave

Scale = .25"/Ft.

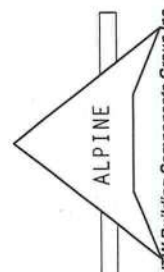
IMPOURTANT

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

[illegible]

The Building Components Group Inc. (IBCG) shall be responsible for any deviation from this drawing or specification. IBCG will provide all materials, labor, and equipment for handling, shipping, installation, and erection of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for another structure is the responsibility of the building designer. IBCG's address is: 1600 S. Second St., Tacoma, WA 98402. This job's contact information is: IBCG - www.ibcgroup.com; TPI - www.tpinet.org; NICA - www.nicaindustry.com; ECF - www.ecfusa.com.



ITW Building Components Group Inc.

Haines City, FL 33844

FL. COA #0278

TC LL	20.0	PSF	REF R487-- 51241
TC DL	10.0	PSF	DATE 01/23/12
BC DL	10.0	PSF	DRW HCUSR487 12023131
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 261982
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UIY487_Z01

Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1
	webs	2x4	SP	#3

1110 mph wind, 22.16 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=-2.0 psf. Iw=1.00 GCpf (+/-)=-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.

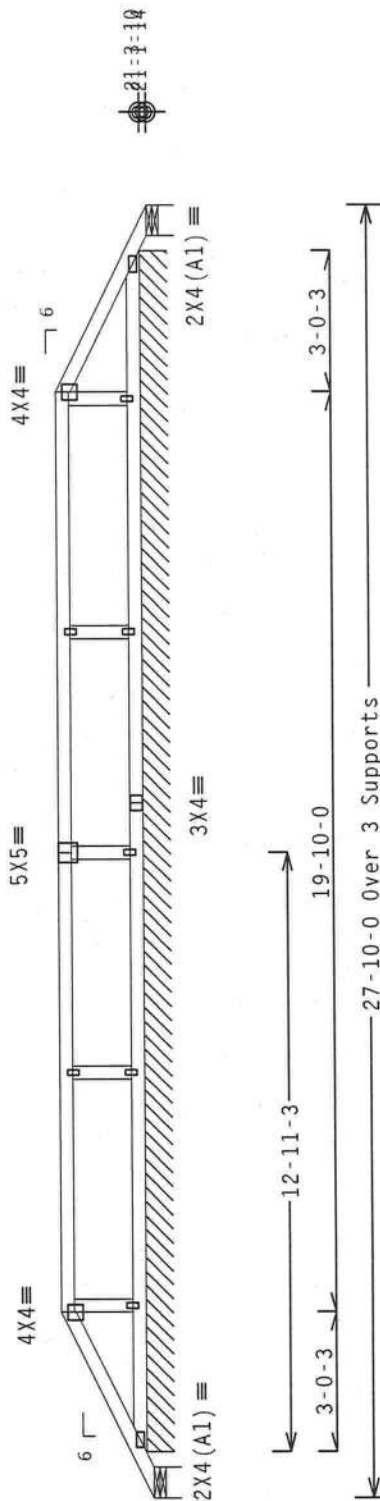
Refer to DWG PB1200310 for piggyback details.

Special loads

	Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
62 pif at 0.00 to 62 pif at 4.00	
62 pif at 4.00 to 62 pif at 23.83	
62 pif at 23.83 to 62 pif at 27.83	
4 pif at 0.00 to 4 pif at 27.83	

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

MMFRS loads based on trusses located at least 22.16 ft. from roof edge.



0-10 0.0-22 11-20 11-7 026"

$R1 = 30 \neq 99 \text{ PLF } U=16 \text{ PLF } W=25-10-6$

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PI T TYP Wave

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

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by IP1 and BICA) for safety and performance characteristics prior to performing these functions. Installers shall provide temporary bracing per BCSP. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web members shall be installed per CSI sections 83, 84 or 810, as applicable.

[illegible]

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 378

Scale = 25"/Ft.

TC LL	20.0	PSF	REF R487--	51242
TC DL	10.0	PSF	DATE	01/23/12
BC DL	10.0	PSF	DRW	HCUSR487 12023132
BC LL	0.0	PSF	HC-ENG	DF/DF
TOT.LD.	40.0	PSF	SEQN-	261993
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UIV487_Z01

(12-010--Fill) in later BRYAN ZECHER/NEELY -- , ** - H27AP)

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

Negative reaction(s) of -212# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 23.16 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, 1w=1.00 GCpl(+/-)-0.18

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

Refer to DWG PB1200310 for piggyback details.

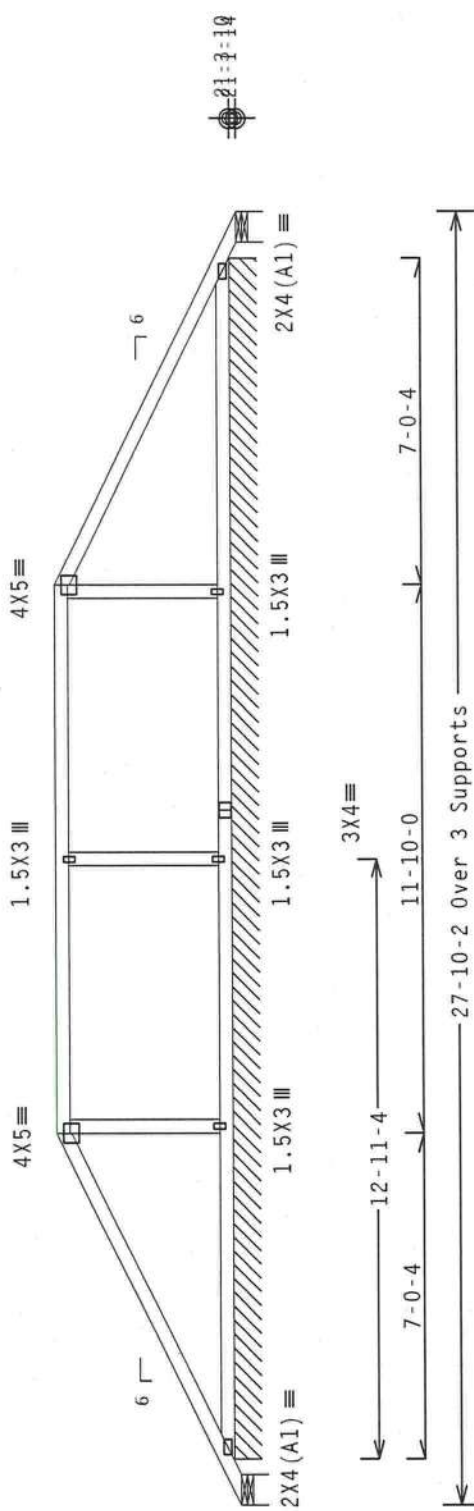
Special loads

-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 62 plf at 0.00 to 62 plf at 8.00
TC- From 62 plf at 8.00 to 62 plf at 19.84
TC- From 62 plf at 19.84 to 62 plf at 27.84
BC- From 4 plf at 0.00 to 4 plf at 27.84

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

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 23.16 ft. from roof edge.



R-213 RW-61 U-98 W-7.826"

R-212 RW-98 U=133 W=7.826"
RL=88-80 PLF U=15 PLF W=25-10-7

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale =.25"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for bracing are not intended as a guide. Trusses shall have bracing installed per BCSI sections 85, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown in this drawing. The truss is shown in a standard position and on the drawing. Details, unless noted otherwise, refer to drawings 160A-2 for standard plate positions. A seal drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; IPI: www.tpinet.org; WICA: www.bcsindustry.com; ICC: www.iccsafe.org			
	TC LL	20.0 PSF	REF	R487-- 51244
	TC DL	10.0 PSF	DATE	01/23/12
	BC DL	10.0 PSF	DRW	HCUSR487 12023134
	BC LL	0.0 PSF	HC-ENG	DF/DF
	TOT.LD.	40.0 PSF	SEQN-	262011
	DUR.FAC.	1.25	JREF-	1UIY487_Z01
	SPACING	24.0"		

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - H29AP)

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

110 mph wind, 23.66 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. 1w=1.00 GCpf (+/-)=0.18

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

Deflection meets L/240 live and L/180 total load.

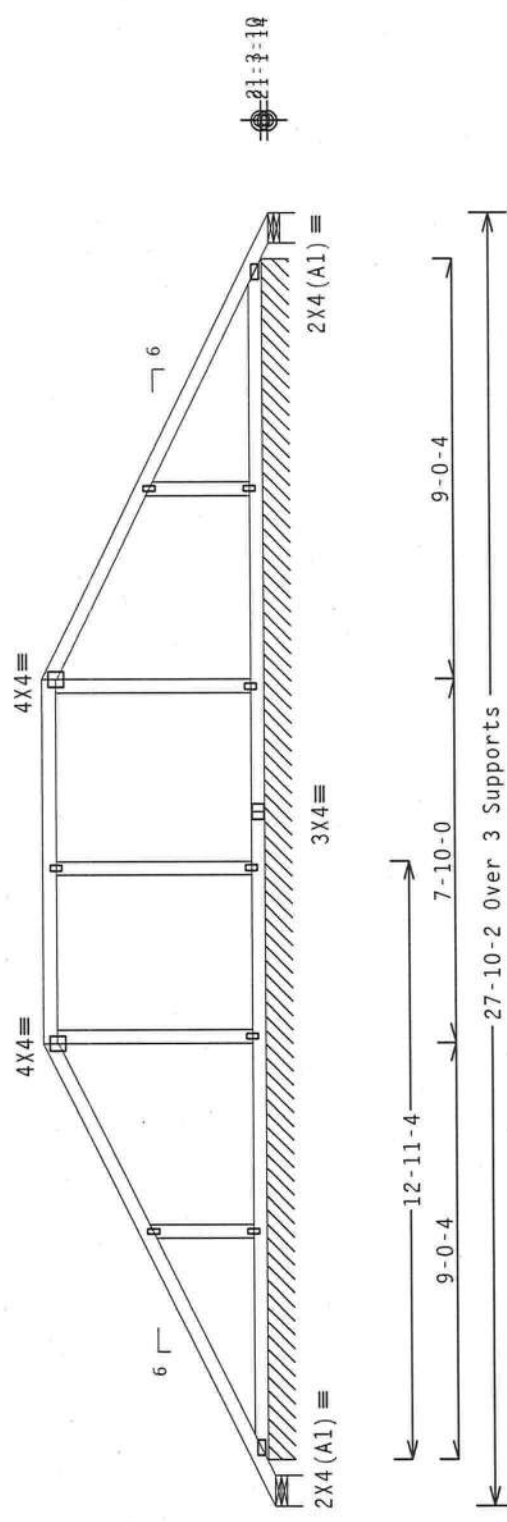
Refer to DWG PB1200310 for piggyback details.

Special loads

----- (Lumber
TC- From Dur.Fac.=1.25 / plate Dur.Fac.=1.25)
62 plf at 0.00 to 62 plf at 10.00
TC- From 62 plf at 10.00 to 62 plf at 17.84
62 plf at 17.84 to 62 plf at 27.84
BC- From 4 plf at 0.00 to 4 plf at 27.84

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

MMFRS loads based on trusses located at least 23.66 ft. from roof edge.



R=65 RW=63 U=75 W=7.826"
RL=10275102F U=12 PLF W=25-10-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .25" / Ft.	REF R487 -- 51245
DATE 01/23/12	DRW HCUSR487 12023135
HC-ENG DF/DF	SEQN- 262020
TOT.LD. 40.0 PSF	DUR.FAC. 1.25
SPACING 24.0"	JREF- 1UIY487_Z01



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached and secured bracing. The installer shall have a properly attached and secured bracing system for the entire length of the truss. The installer shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the approved design and specifications. The installer shall be responsible for the proper installation, bracing, and detailing of the trusses. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - AP1)

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

110 mph wind, 23.55 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpf(+/-)=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.

Refer to DWG PB1200310 for piggyback details.

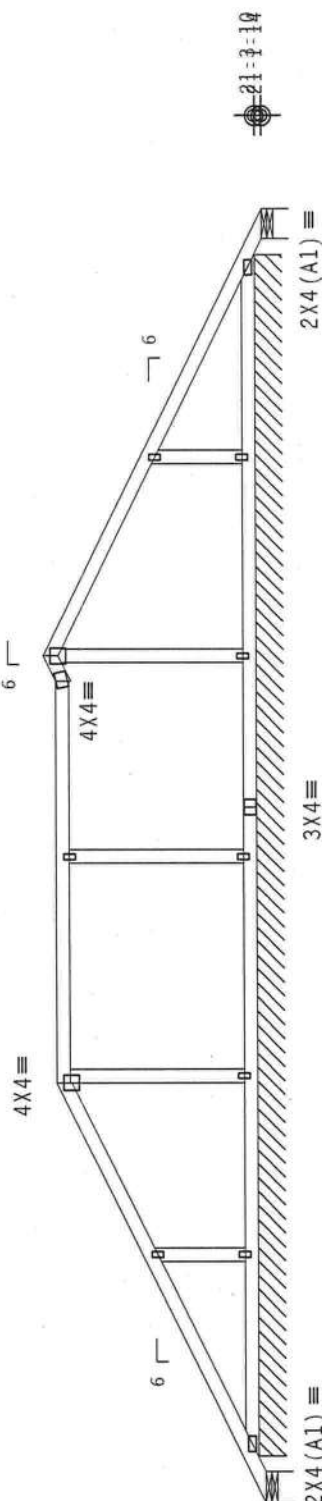
Special loads

-----Lumber
Dur.Fac.=1.25 / plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 9.05
TC- From 62 plf at 9.05 to 62 plf at 17.71
TC- From 62 plf at 17.71 to 62 plf at 18.25
TC- From 62 plf at 18.25 to 62 plf at 27.84
BC- From 4 plf at 0.00 to 4 plf at 27.84

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

MWFRS loads based on trusses located at least 23.55 ft. from roof edge.

3X4=



R=36 Rw=12 U=17 W=7.828"

R=43 Rw=55 U=63 W=7.826"

RL=9R7738PLF U=14 PLF W=25-10-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale =.25"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. **IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for best 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 bolting. Trusses shall have a properly attached rigid roof deck per BCSI sections 83, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the details shown on this drawing. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICCI: www.iccsafe.org	QTY 1	FL / - / 4 / - / R / -	TC LL	20.0 PSF	REF	R487 --	51246
		10.0	0.04 / 0.60 / 1.15	TC DL	10.0 PSF	DATE	01/23/12	
				BC DL	10.0 PSF	DRW	HCUSR487	12023136
				BC LL	0.0 PSF	HC-ENG	DF/DF	
				TOT.LD.	40.0 PSF	SEQN-	262033	
				DUR.FAC.	1.25			
				SPACING	24.0"	JREF-	1UIY487_Z01	

	Top chord	2x4	SP #1
Top			
Bot			
	Web	2x4	SP #3

1110 mph wind, 23.55 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpt (+/-)=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.

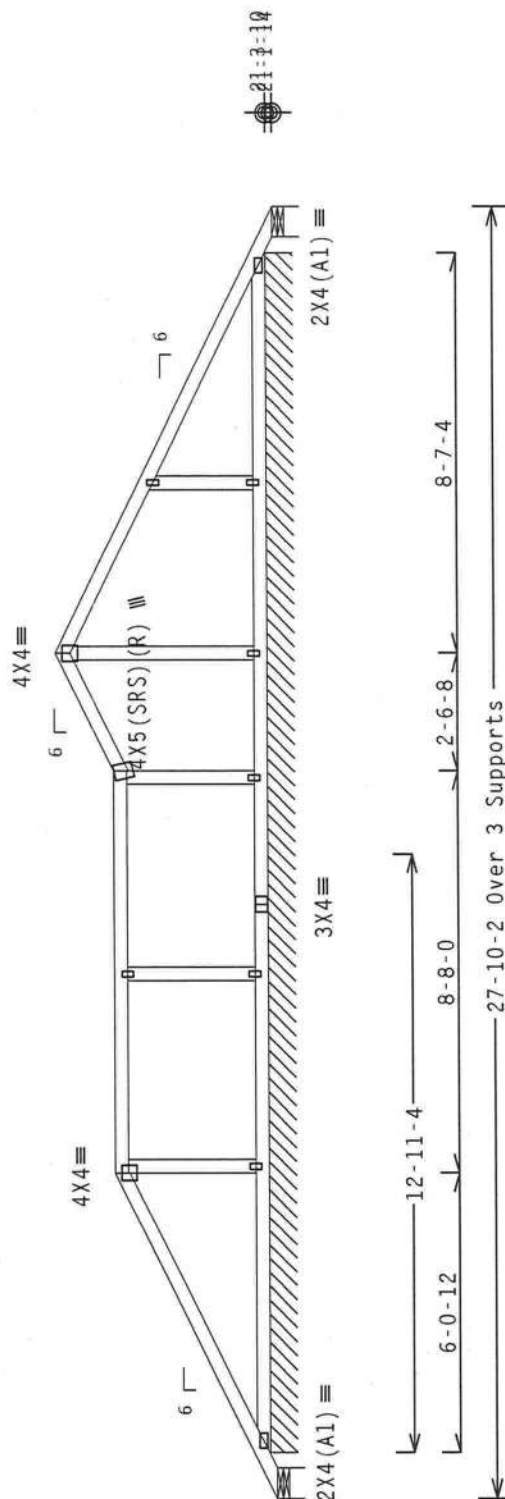
Refer to DWG PB1200310 for piggyback details.

Special loads

	Dur. Fac. -1.25 / Plate		Dur. Fac. -1.25	
	(Lumber		)	
ITC-From	62 p/f at 0.00 to	62 p/f at 7.05		
ITC-From	62 p/f at 7.05 to	62 p/f at 15.71		
ITC-From	62 p/f at 15.71 to	62 p/f at 18.25		
ITC-From	62 p/f at 18.25 to	62 p/f at 27.84		
ITC-From	4 p/f at 0.00 to	4 p/f at 27.84		

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

WMFRS loads based on trusses located at least 23.55 ft. from roof edge.



R=-152 R_W=85 H=110 W=7 826"

RI=9A-788PLF U=13 PLF W=25-10-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

FL/-/4/-/-/R/-
Scale = .25"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Review and follow the latest edition of BCSP (Building Component Safety Information, by IPI and NICA) for all practices prior to performing these functions. Install with caution. Attachments, sheathing and bottom chord attachments must be installed as shown. Attachments must be attached to truss web members and shall have bracing properly attached rigidly ceiling. Locations show for permanent lateral restraint only. Trusses shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

TC LL	20.0	PSF	REF R487--	51247
TC DL	10.0	PSF	DATE	01/23/12
BC DL	10.0	PSF	DRW HCUR8487	12023137
BC LL	0.0	PSF	HC-ENG DF/DF	
TOT.LD.	40.0	PSF	SEQN-	262046
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UIY487_Z01

(12-010--Fill) in later BRYAN ZECHER/NEELY --, ** - AP3)

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

110 mph wind, 23.55 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. 1w=1.00 GCpl(+/-)=0.18

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

Deflection meets L/240 live and L/180 total load.

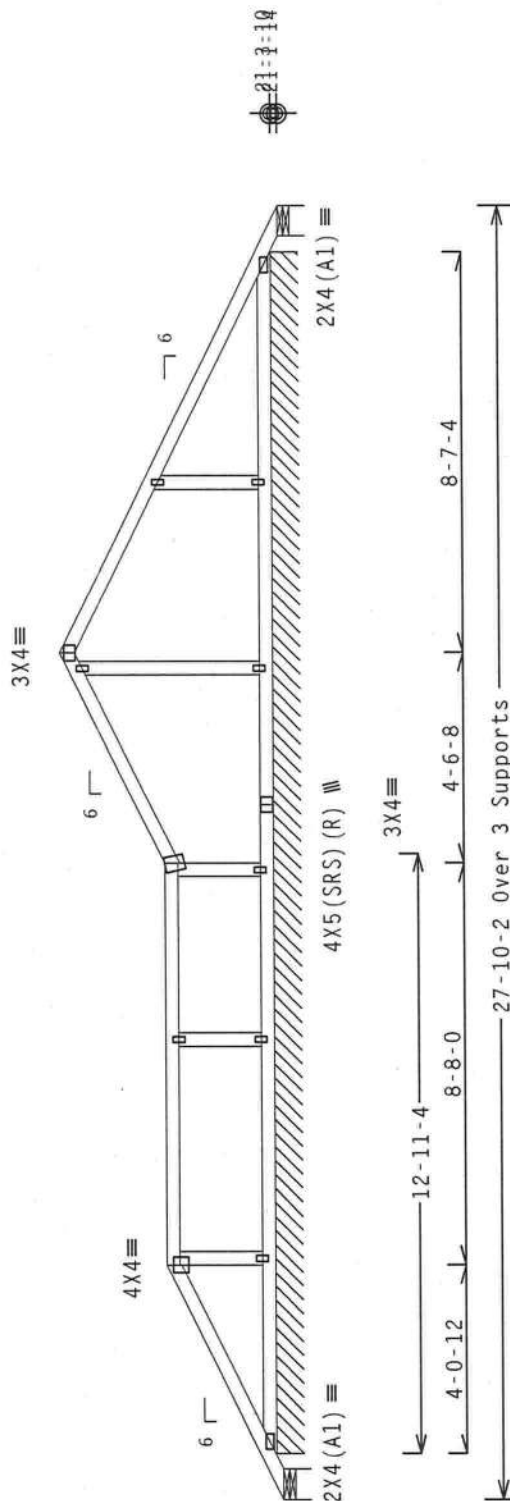
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber-----
Dur.Fac.=1.25 / plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 5.05
TC- From 62 plf at 5.05 to 62 plf at 13.71
TC- From 62 plf at 13.71 to 62 plf at 18.25
TC- From 62 plf at 18.25 to 62 plf at 27.84
BC- From 4 plf at 0.00 to 4 plf at 27.84

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

MMFRS loads based on trusses located at least 23.55 ft. from roof edge.



R=29 RW=59 U=63 W=7.826"

RL=9R7798PLF U=12 PLF W=25-10-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale =.25"/Ft.

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

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

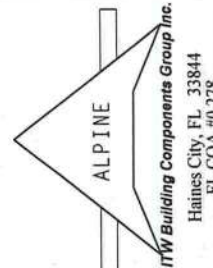
DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UIY487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for plates shall be at least lateral restraint shall have bracing installed per BCSI sections 85, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with the design. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICCI: www.iccsafe.org



(12-010--Fill in later BRYAN ZECHER/NEELY --, ** - AP4)

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

110 mph wind, 23.55 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. 1w=1.00 GCpl(+/-)=0.18

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

Deflection meets L/240 live and L/180 total load.

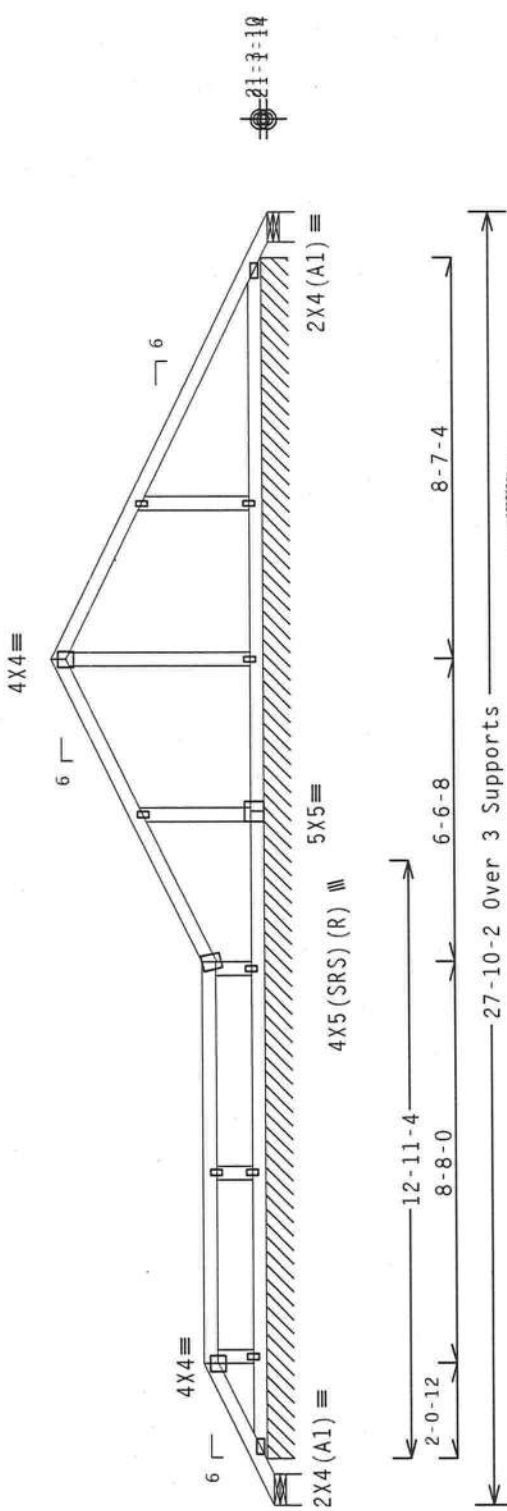
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber
TC- From Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
62 plf at 0.00 to 62 plf at 3.05
TC- From 62 plf at 3.05 to 62 plf at 11.71
TC- From 62 plf at 11.71 to 62 plf at 18.25
TC- From 62 plf at 18.25 to 62 plf at 27.84
BC- From 4 plf at 0.00 to 4 plf at 27.84

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

MMFRS loads based on trusses located at least 23.55 ft. from roof edge.



R=20 RW=46 U=43 W=7.826"
RL=9R7708PLF U=12 PLF W=25-10-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

Scale =.25"/Ft.

REF R487-- 51249

DATE 01/23/12

DRW HCUSR487 12023139

HC-ENG DF/DF

SEQN- 262069

JREF- 1UIY487_Z01

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

DOUGLAS FLEMING
LICENSE
No. 06848
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/23/2012

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and fasteners. The bottom chord shall have properly attached rigid structural sheathing and fasteners. The webs shall have bracing installed per BCSI Sections 83, 87 or 819, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org.

FL / - / 4 / - / - / R / -	TY:	Scale =.25"/Ft.
TC LL	20.0 PSF	REF R487-- 51249
TC DL	10.0 PSF	DATE 01/23/12
BC DL	10.0 PSF	DRW HCUSR487 12023139
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 262069
DUR.FAC.	1.25	JREF- 1UIY487_Z01
SPACING	24.0"	

	Top	chord	2x4	SP	#1
	Bot	chord	2x4	SP	#1
		webs	2x4	SP	#3

110 mph wind, 23.55 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. lw=1.00 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.

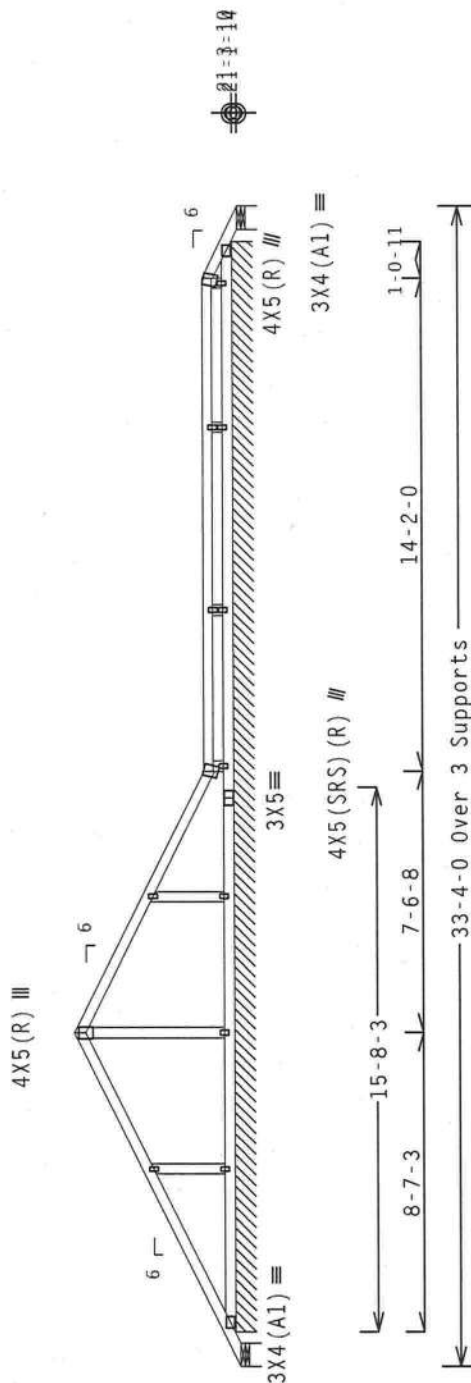
Refer to DWG PB1200310 for piggyback details.

Special loads

Cellulose	Number	Dur.Fac.	-1.25	/	Plate	Dur.Fac.	=1.25		
ITC-From	62	plf	at	0.00	to	62	plf	at	9.58
ITC-From	62	plf	at	9.58	to	62	plf	at	17.13
ITC-From	62	plf	at	17.13	to	62	plf	at	31.29
ITC-From	62	plf	at	31.29	to	62	plf	at	33.33
ITC-From	4	plf	at	0.00	to	4	plf	at	33.33

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

MMFRS loads based on trusses located at least 23.55 ft. from roof edge.



$P = -5A$ $R_W = 59$ $II = 70$ $W = 7$ $826"$

K=34 KW=39 U=10 W=7.020
R1=R070-R000 U=14 PLF W=31-4-6

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

FL/-/4/-/-/R/-/-
Scale = .1875"/Ft.

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

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses to be installed must follow the latest edition of BCSI (Building Component Safety Information), by IPT and NICA (National Institute for Temporary Bracing) or other recognized safety codes. Installers shall provide temporary bracing per BCS-108. All trusses shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Trusses shown for permanent lateral restraint will have bracing installed per BCSI sections 83, 87 or 810, as applicable.

The Building Components Group Inc. (LHBCG) shall not be responsible for any deviation from the design shown on drawings or for failure to follow instructions for erecting, handling, installing, transporting, fabricating or fastening the trusses in accordance with ANSI/IPE 101 or for handling, shipping, installing or erecting of trusses. Apply plates to each face of truss and position as shown above and on the seal of the manufacturer's details, unless noted otherwise. Refer to drawings LHCA-2 for standard plate positions. A joint used for fastening or cover 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 ANSI/IPE 1 Sec.2. For more information see: This job sheet and general notes page; LH-BECO: www.lhbcg.com; IPE: www.ipeintst.org. MICA: www.micaindust.com.

ALPINE

NTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

2012/09/23/2012

Pl 1 Sec-2. For more information see:
tpinst.org; WICA: www.sbcindustry.com;

Building Design
CG: www.tbdcg

the respons
general not

Haines City, FL 33844

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

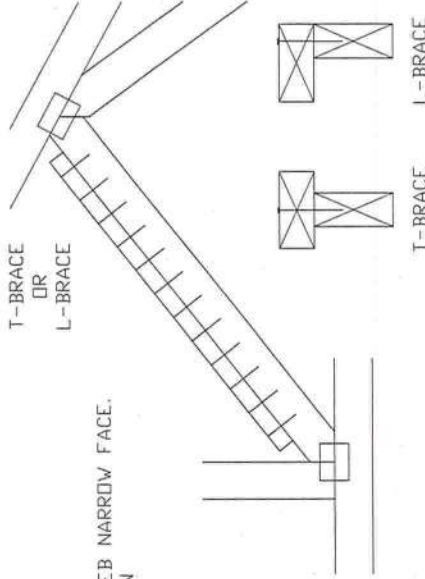
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

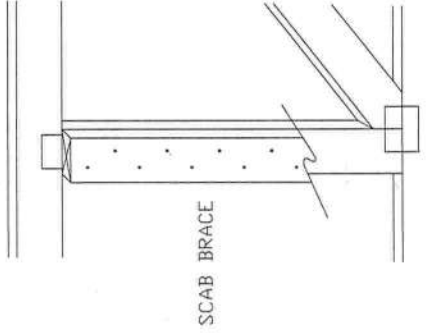
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3", MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3", MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



*****WARNING***** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the Building Components Group Inc. (ITWBCG) Safety Information, by IP1 and VICA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural supports and bracing. The bracing shall be properly installed per BCSI sections B3 & B7. See this job's general notes page for more information.

*****IMPORTANT***** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design, any failure to build the truss in accordance with the design, or any failure to follow the design. ITWBCG is not responsible for the design of the truss or the design of the building. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility. The responsibility for the truss component design shown, the suitability, and use of this component for any building is the responsibility of the building engineer. ITW-BCG, IP1, www.itwbcg.com, VICA, www.vicainc.com, ICC, www.iccsafe.org

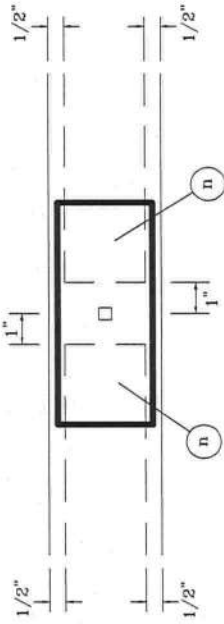


Earth City, MO 63045

TC	LL	PSF	REF	CLB	SUBST.
TC	DL	PSF	DATE	1/1/09	
BC	DL	PSF	DRWG	BRCLBSUB0109	
BC	LL	PSF			
TOT.	L.D.	PSF			
DUR.	FAC.				
SPACING					

TRULOX INFORMATION DETAIL

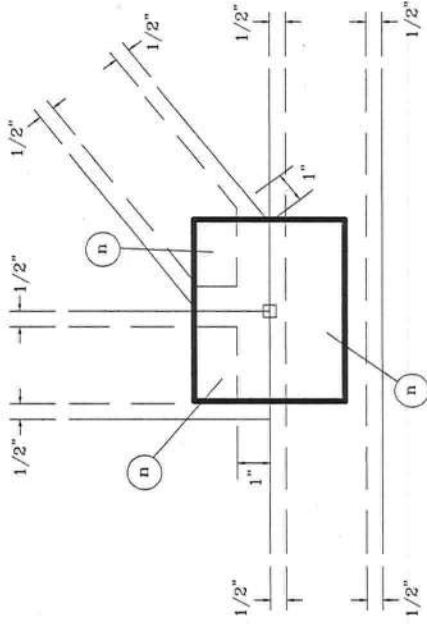
TYPICAL OFF PANEL SPLICE



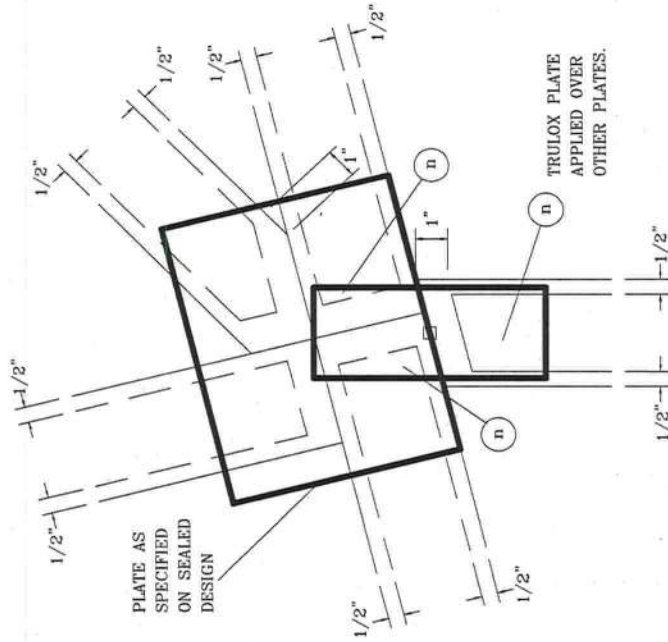
DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

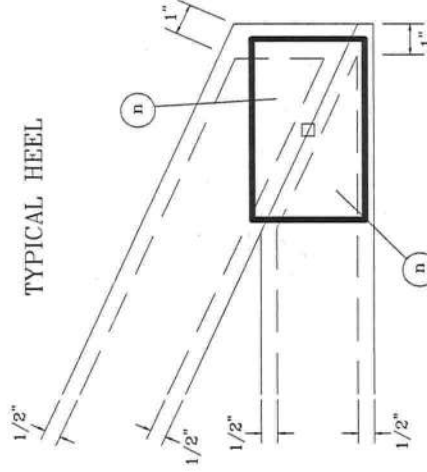
TYPICAL PANEL POINT WITHOUT SPLICE



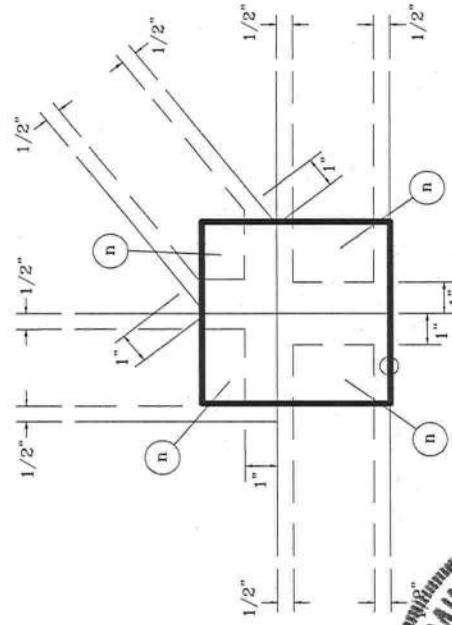
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



TRULOX PLATE APPLIED OVER OTHER PLATES.

NOTES:

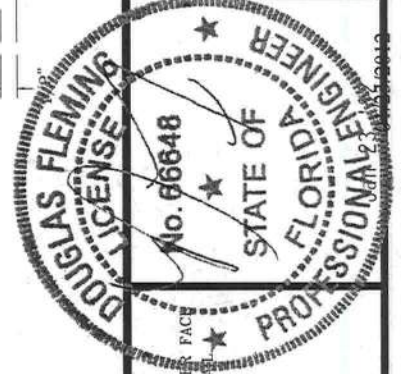
- (n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLATE AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAIL.
- LOCATES PLATE CORNER OR FLUSH EDGE.
- LOCATES PLATE CENTER.



TRULOX PLATING

160
TL

PAGE 1 OF 1
DATE 4/1/09

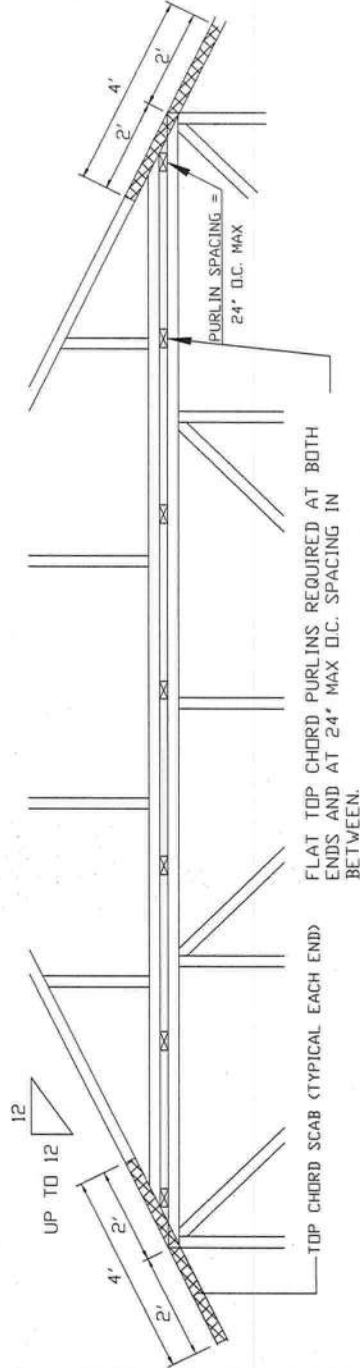


120 PIGGYBACK DETAIL

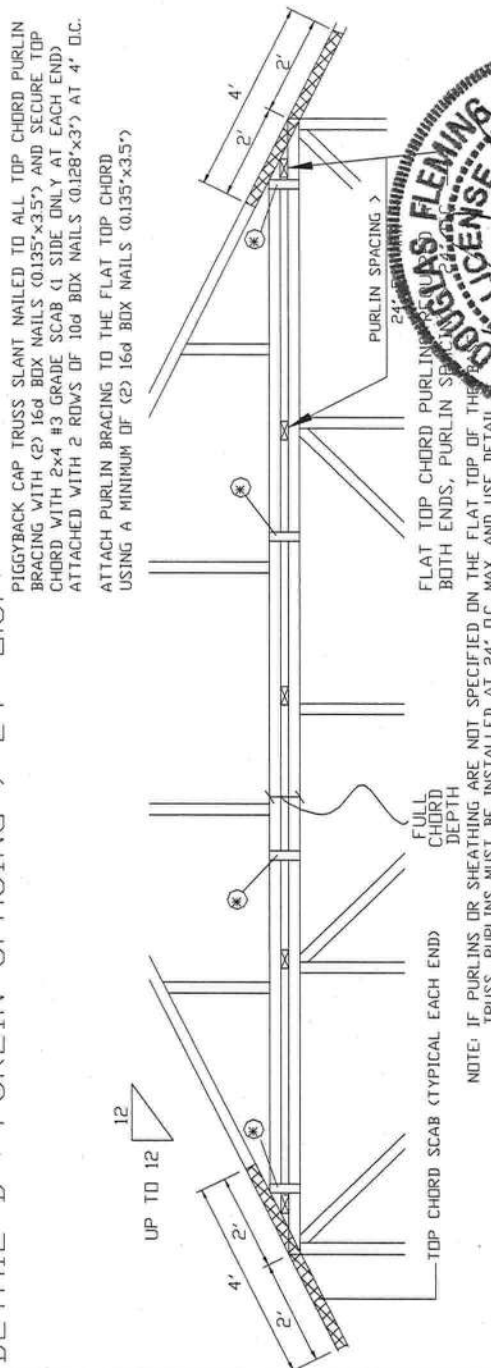
UP TO 120 MPH WIND, 3000 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND DL = 50 PSF (MIN), KZ1=1.0.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR ANY OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS, AND LATERAL BRACING FOR OUT OF PLANE LOADS OVER GABLE ENDS. *** REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR PIGGYBACK AND BASE TRUSS SPECIFICATIONS.

DETAIL A : PURLIN SPACING = 24" O.C. OR LESS



DETAIL B : PURLIN SPACING > 24" O.C.



NOTE: IF PURLINS OR SHEATHING ARE NOT SPECIFIED ON THE FLAT TOP OF THE TRUSS, PURLINS MUST BE INSTALLED AT 24" O.C. MAX. AND USE DETAIL A.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and VITAC) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall be installed in accordance with the following instructions. Trusses shall be properly attached rigid ceiling locations, shown for permanent lateral restraint of webs shall be installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from the design shown on this drawing. Trusses shall be installed in accordance with the following instructions: installing & bracing of trusses. ITWBCG connector plates are made of 2018/16GA (W/H/S) ASME steel, grade 37/40/60 (K2/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown on and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility. This seal is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. This component for any ITW-BCG. www.itw-bcg.com; TPI: www.tpinet.com; VITAC: www.sbcindustry.com; ICC: www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045



REF	PIGGYBACK
DATE	03/15/10
DRWG	PB1200310
SPACING	24.0"

* IN ADDITION, PROVIDE CONNECTION WITH ONE OF THE FOLLOWING METHODS:

- TRULIX
USE 3x8 TRULIX PLATES FOR 2x4 CHORD MEMBER, AND 3x10 TRULIX PLATES FOR 2x6 AND LARGER CHORD MEMBERS. ATTACH TO EACH FACE @ 8" O.C. WITH (4) 0.120"x1.375" NAILS INTO CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. TRULIX PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.
- APA RATED GUSSET
8"x8"x7/16" (WIND APA RATED SHEATHING GUSSETS EACH FACE). ATTACH @ 8" O.C. WITH (8) 6d COMMON (0.113"x2") NAILS PER GUSSET. (4) IN CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. GUSSETS MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.
- 2x4 VERTICAL SCABS
2x4 SPF #2 FULL CHORD DEPTH SCABS (EACH FACE). ATTACH @ 8" O.C. WITH (6) 10d BOX NAILS (0.128"x3") PER SCAB. (3) IN CAP BOTTOM CHORD AND (3) IN BASE TRUSS TOP CHORD. SCABS MAY BE STAGGERED 4" O.C. FRONT TO BACK FACE.
- 28PB WAVE PIGGYBACK PLATE
ONE 28PB WAVE PIGGYBACK PLATE TO EACH FACE @ 8" O.C. ATTACH TO PIGGYBACK TRUSS WITH FULL PENETRATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120"x1.375" NAILS PER FACE PER PLY. PIGGYBACK PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

PIGGYBACK CAP TRUSS SLANT NAILED TO ALL TOP CHORD PURLIN BRACING WITH (2) 16d BOX NAILS (0.135"x3.5") AND SECURE TOP CHORD WITH 2x4 #3 GRADE SCAB (1 SIDE ONLY AT EACH END) ATTACHED WITH 2 ROWS OF 10d BOX NAILS (0.128"x3") AT 4" O.C.

ATTACH PURLIN BRACING TO THE FLAT TOP CHORD USING (2) 16d BOX NAILS (0.135"x3.5")

THE TOP CHORD #3 GRADE 2x4 SCAB MAY BE REPLACED WITH EITHER OF THE FOLLOWING: (1) 3x8 TRULIX PLATE ATTACHED WITH (8) 0.120"x1.375" NAILS. (4) INTO CAP TC & (4) INTO BASE TRUSS TC OR (1) 28PB WAVE PIGGYBACK PLATE PLATED TO THE PIGGYBACK TRUSS TC AND ATTACHED TO THE BASE TRUSS TC WITH (4) 0.120"x1.375" NAILS. NOTE: NAILING THRU HOLES OF WAVE PLATE IS ACCEPTABLE.