

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: IUT39114Z0422135830



Truss Fabricator: **Anderson Truss Company**
Job Identification: **120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Wind**
Truss Count: **223**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Versions 10.03, 12.02.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC**
Address: **Roof - 40.0 PSF @ 1.25 Duration**
Minimum Design Loads: **Floor - 55.0 PSF @ 1.00 Duration**
Wind - 120 MPH ASCE 7-10 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: **HCUSR9114**



Details: STRBRI BRCLBSUB-12030EC1-GBLLETIN-GABRST10-

#	Ref	Description	Drawing#	Date
1	81566--F7		13022001	01/22/13
2	81567--F24 2-PLY		13022002	01/22/13
3	81568--F25 3-PLY		13022003	01/22/13
4	81569--R31 2-PLY		13022220	01/22/13
5	81570--F74 2-PLY		13022004	01/22/13
6	81571--F75		13022158	01/22/13
7	81572--F76		13022005	01/22/13
8	81573--F77		13022006	01/22/13
9	81574--F78		13022007	01/22/13
10	81575--F79		13022008	01/22/13
11	81576--F80		13022009	01/22/13
12	81577--F81		13022010	01/22/13
13	81578--F82 2-PLY		13022011	01/22/13
14	81579--F83		13022012	01/22/13
15	81580--F84		13022013	01/22/13
16	81581--F85		13022014	01/22/13
17	81582--F86		13022211	01/22/13
18	81583--F87		13022015	01/22/13
19	81584--FG1 2-PLY		13022016	01/22/13
20	81585--FG2 2-PLY		13022017	01/22/13
21	81586--FG3 3-PLY		13022018	01/22/13
22	81587--FG4 2-PLY		13022019	01/22/13
23	81588--F88 3-PLY		13022020	01/22/13
24	81589--WG1 4-PLY		13022159	01/22/13
25	81590--WG2 3-PLY		13022021	01/22/13
26	81591--WG3 2-PLY		13022221	01/22/13
27	81592--R1		13022160	01/22/13
28	81593--R2		13022161	01/22/13
29	81594--R3		13022163	01/22/13
30	81595--R4 2-PLY		13022022	01/22/13
31	81596--R5		13022023	01/22/13
32	81597--R6		13022024	01/22/13
33	81598--R7		13022025	01/22/13
34	81599--R8		13022026	01/22/13
35	81600--R9		13022027	01/22/13
36	81601--R10		13022028	01/22/13
37	81602--R11		13022029	01/22/13
38	81603--R12		13022030	01/22/13

#	Ref	Description	Drawing#	Date
39	81604--R13		13022031	01/22/13
40	81605--R14		13022032	01/22/13
41	81606--R15		13022033	01/22/13
42	81607--R16		13022034	01/22/13
43	81608--R17		13022035	01/22/13
44	81609--R18		13022036	01/22/13
45	81610--R19 2-PLY		13022037	01/22/13
46	81611--R20		13022212	01/22/13
47	81612--R21 2-PLY		13022038	01/22/13
48	81613--R22 2-PLY		13022039	01/22/13
49	81614--R23		13022040	01/22/13
50	81615--R24		13022041	01/22/13
51	81616--R25		13022042	01/22/13
52	81617--R26		13022043	01/22/13
53	81618--R27		13022044	01/22/13
54	81619--R28		13022045	01/22/13
55	81620--R29		13022046	01/22/13
56	81621--R30 2-PLY		13022047	01/22/13
57	81622--R32		13022213	01/22/13
58	81623--R32A		13022214	01/22/13
59	81624--R33		13022215	01/22/13
60	81625--R34		13022048	01/22/13
61	81626--R35		13022216	01/22/13
62	81627--R36		13022049	01/22/13
63	81628--R37		13022050	01/22/13
64	81629--R38		13022051	01/22/13
65	81630--R39		13022052	01/22/13
66	81631--R40		13022053	01/22/13
67	81632--R41		13022054	01/22/13
68	81633--R42		13022055	01/22/13
69	81634--R43		13022056	01/22/13
70	81635--R44		13022057	01/22/13
71	81636--R45 2-PLY		13022058	01/22/13
72	81637--R46		13022217	01/22/13
73	81638--R47		13022059	01/22/13
74	81639--R48		13022060	01/22/13
75	81640--R49		13022061	01/22/13
76	81641--R50		13022062	01/22/13

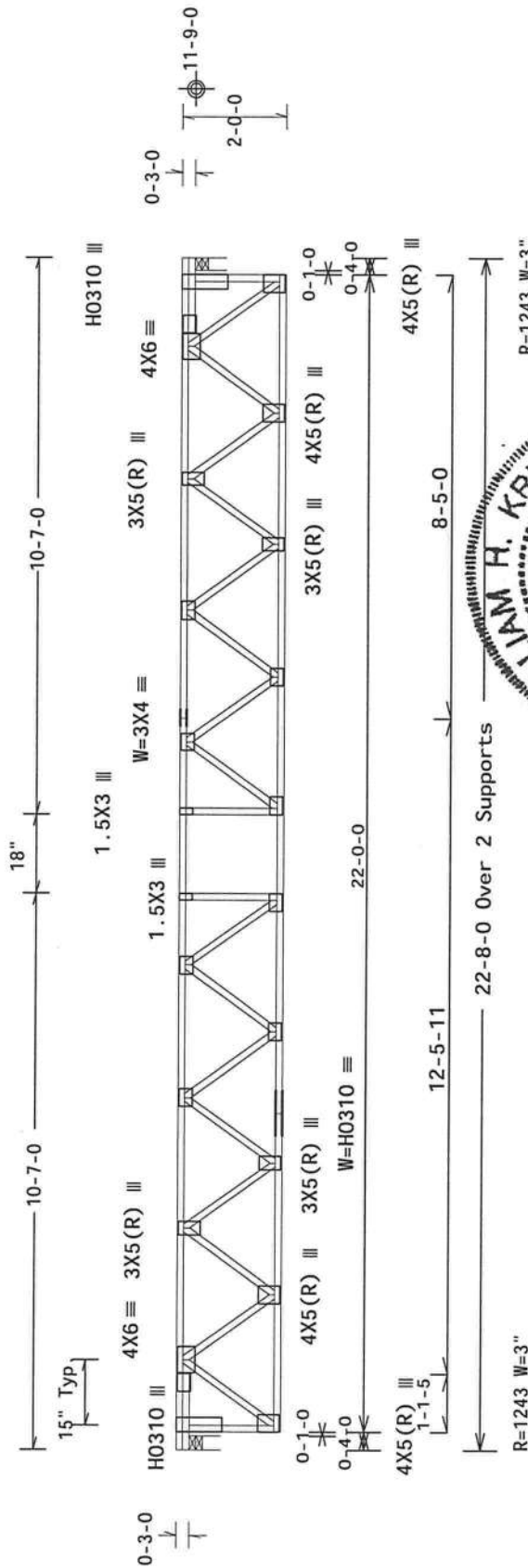
#	Ref	Description	Drawing#	Date
77	81642--R51		13022063	01/22/13
78	81643--R52		13022064	01/22/13
79	81644--R53		13022065	01/22/13
80	81645--R54		13022066	01/22/13
81	81646--R55 2-PLY		13022067	01/22/13
82	81647--R56		13022070	01/22/13
83	81648--R57 2-PLY		13022071	01/22/13
84	81649--R58		13022072	01/22/13
85	81650--R59		13022073	01/22/13
86	81651--R60		13022074	01/22/13
87	81652--R61		13022075	01/22/13
88	81653--R62		13022076	01/22/13
89	81654--R63		13022077	01/22/13
90	81655--R64		13022078	01/22/13
91	81656--R65		13022079	01/22/13
92	81657--R66		13022080	01/22/13
93	81658--R67		13022081	01/22/13
94	81659--R68		13022082	01/22/13
95	81660--R69		13022083	01/22/13
96	81661--R70		13022084	01/22/13
97	81662--R71		13022085	01/22/13
98	81663--R72		13022164	01/22/13
99	81664--R73		13022165	01/22/13
100	81665--R74 2-PLY		13022086	01/22/13
101	81666--R75		13022087	01/22/13
102	81667--R76 2-PLY		13022088	01/22/13
103	81668--R77		13022089	01/22/13
104	81669--R78 2-PLY		13022090	01/22/13
105	81670--R79		13022091	01/22/13
106	81671--R80		13022092	01/22/13
107	81672--R81		13022093	01/22/13
108	81673--R82		13022094	01/22/13
109	81674--R83		13022095	01/22/13
110	81675--R84		13022096	01/22/13
111	81676--R85		13022097	01/22/13
112	81677--R86		13021005	01/21/13
113	81678--R87		13021006	01/21/13
114	81679--R88		13021002	01/21/13

See detail STRBRIBR0211 for bracing and bridging recommendations.

Max JT VERT DEFL: LL: 0.34" DL: 0.24" recommended camber 3/8"

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

Truss must be installed as shown with top chord up.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS, Wave

Scale = .3125"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by TPI and WTCA) and all applicable practices prior to performing these functions. Installers shall provide temporary bracing per drawings. 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 BCSP 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 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-Z for standard plate positions. A seal on this drawing, indicating design, indicates acceptance of professional engineering responsibility solely for the Building Designer per ANSI/TPI 1 Sec. 2. For more information on the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.wtcaindustry.org

TC LL	40.0 PSF	REF	R9114- 81566
TC DL	10.0 PSF	DATE	01/22/13
BC DL	5.0 PSF	DRW	HCUSR9114 13022001
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	55.0 PSF	SEQN-	96955
DUR. FAC.	1.00	FROM	SDY
SPACING	24'-0"	JREF-	1UT39114Z04



ALPINE

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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - F24 2-PLY)

Top chord 2x4 SP #1_12A

Bot chord 2x4 SP #1_12A

Webs 2x4 SP #3_12A :W2, W6 2x4 SP #1_12A:

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

Special loads

-----Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC- From 256 pif at 0.00 to 256 pif at 9.88

BC- From 10 pif at 0.00 to 10 pif at 9.88

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule:0.128"x3", min. nails

Top Chord: 1 Row @ 3.25" 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.

These support conditions used at bearings indicated

(H1) = Simpson HHUS28-2 w/ (3)2x8 SP #1_Dense_12A supporting member.

(22) 0.148"x3" nails into supporting member,

(8) 0.148"x3" nails into supported member.

Truss must be installed as shown with top chord up.

4X8

1.5X4

3X5

4X8

W2

W6

2.5X6

7X10

4X10

2.5X6

2'-0"-0

2'-0"-0

12'-0"-0

9-10-9 Over 2 Supports

R=3744 W=5"

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

Design Crit: FBC2010Res/TPI-2007(SUB)

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

Scale =.5"/Ft.

REF R9114- 81567

DATE 01/22/13

DRW HCUSR9114 13022002

HC-ENG WHK/WHK

SEQN- 96956

FROM SDY

JREF- 1UT39114Z04

WILLIAM H. KRICK

REGISTERED PROFESSIONAL ENGINEER

STATE OF FLORIDA

10.03.1988

1988

01/22/2013

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety details and instructions. Truss installers shall provide temporary bracing per BCSI instructions. Unless noted otherwise, top chord shall have permanent lateral bracing. Truss installers shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) 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 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-Z for standard plate positions. A seal on this drawing is required to indicate that the truss was designed and manufactured in accordance with the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information, please refer to the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WTCA: www.alcusa.org

Top chord 2x6 SP #1_Dense_12A
Bot chord 2x8 SP #1_Dense_12A
Webs 2x4 SP #3_12A: W2, W8 2x4 SP #1_12A:

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

Special loads

TC- From Dur.Fac.=1.00 / Plate Dur.Fac.=1.00
TC- From 100 plf at 0.00 to 100 plf at 7.34
TC- From 256 plf at 7.34 to 256 plf at 14.50
BC- From 10 plf at 0.00 to 10 plf at 14.50
TC- 543.14 lb Conc. Load at 2.15, 4.15, 6.15, 9.36
11.36, 13.36
BC- 3743.64 lb Conc. Load at 7.34

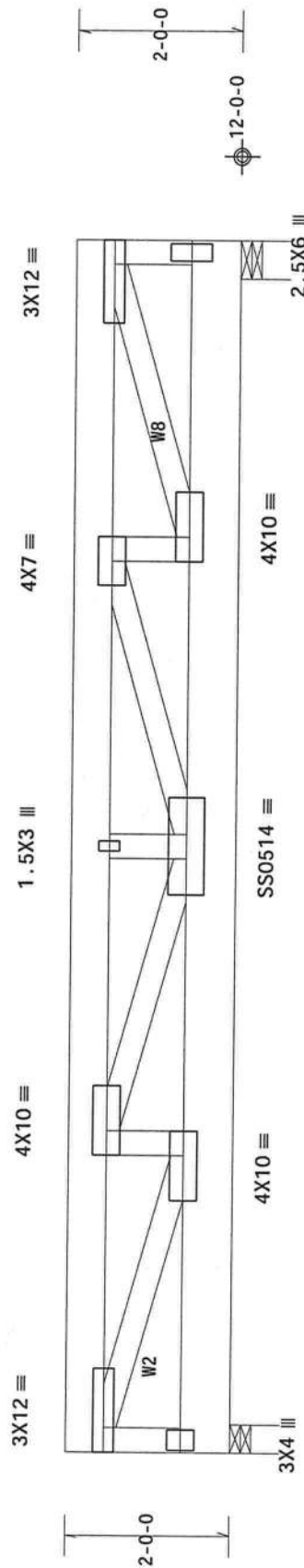
Truss must be installed as shown with top chord up.

3 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails
Top Chord: 2 Rows @ 6.00" o.c. (Each Row)
Bot Chord: 1 Row @ 4.50" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON EITHER THE TOP OR BOTTOM CHORDS.

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



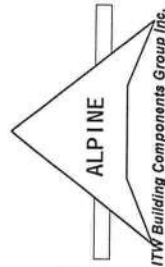
14'-5-15 Over 2 Supports
R=4439 W=4"
R=5277 W=5.5"

PLT TYP. 18 Gauge HS, Wave

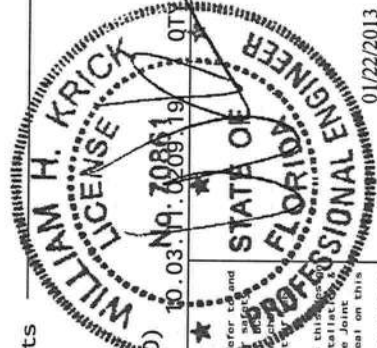
Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=20%(0%)/10(0)

Scale = .5"/Ft.

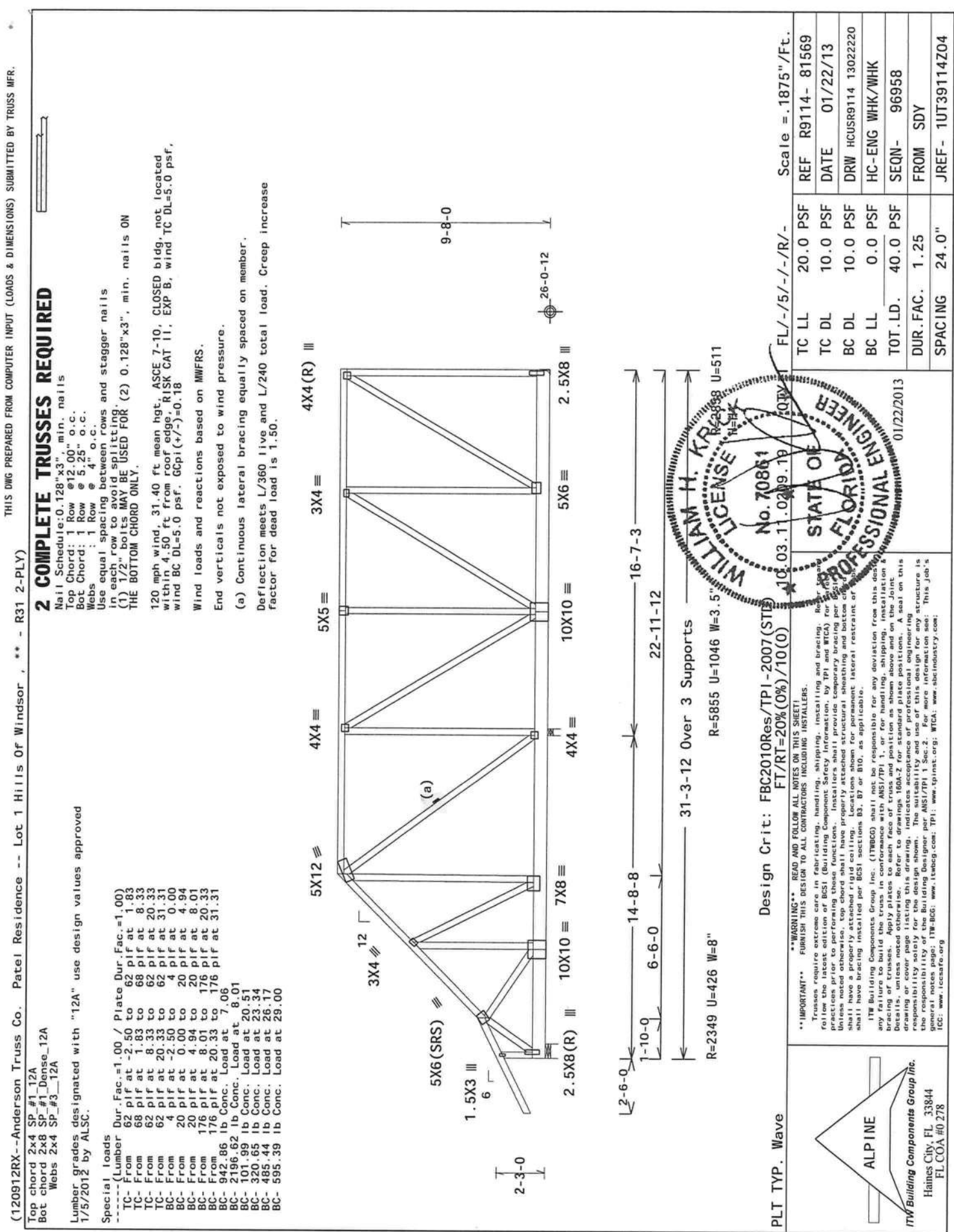
TC LL	40.0 PSF	REF	R9114- 81568
TC DL	10.0 PSF	DATE	01/22/13
BC DL	5.0 PSF	DRW	HCUSR9114 13022003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	55.0 PSF	SEQN-	96957
DUR.FAC.	1.00	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04



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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing and bracing details, unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section 8.3, 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 the design. 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 user. For more information see: This Job's general notes page: ITW BCG: www.itwbcg.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; TCC: www.iccnafco.org



120 mph wind, 18.17 ft mean hgt., ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

End verticals not exposed to wind pressure.

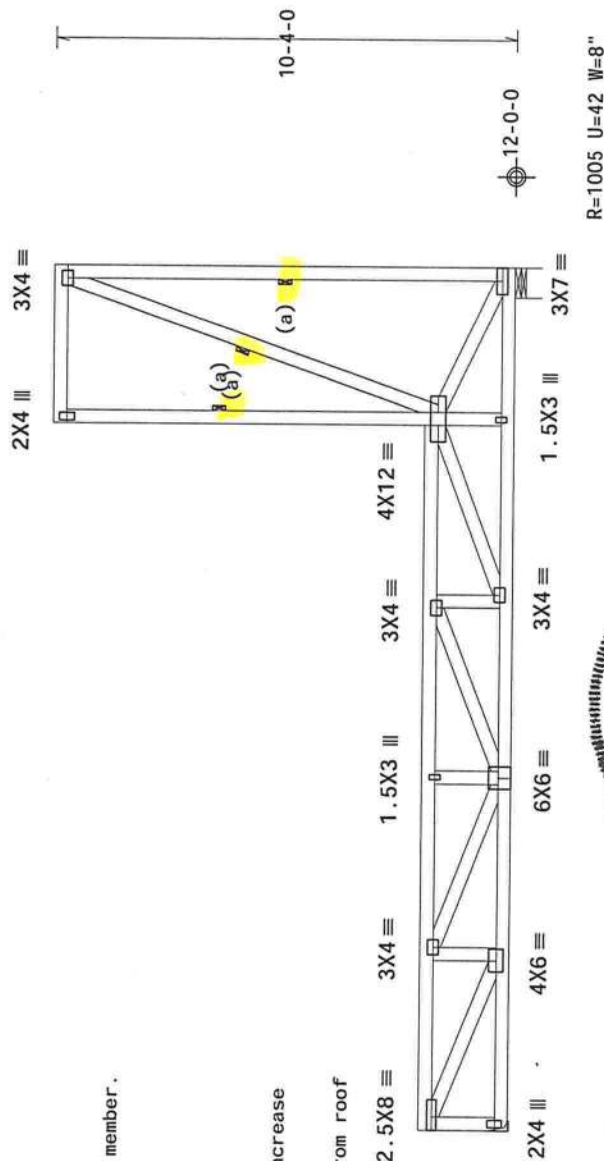
-----	(Lumber	Dur.	Fac.=1.00	/	Plate	Dur.	Fac.=1.25)
TC-From	67	plf	at	0.00	to	67	plf at 15.51
TC-From	40	plf	at	15.51	to	40	plf at 19.00
BC-From	7	plf	at	0.00	to	7	plf at 15.51
BC-From	13	plf	at	15.51	to	13	plf at 19.00
TC-445.00	lb	Conc.	Load	at	15.51		

Calculated horizontal deflection is 0.19" due to live load and 0.19" due to dead load.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



R=1005 II=42 W=8"

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

Scale = .25"/Ft.

TC 11	20 0 PSE
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BC LL 0.0 PSF

101:LD. 40.0 PSF

DUR.FAC. 1.25

CDAC INC 10 0"

SPACING 16.0

120 mph wind, 18.17 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.19" due to live load and 0.19" due to dead load.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Truss must be installed as shown with top chord up.

Wind loads and reactions based on MWFRS, 2X4 III 3X4 III

(a) Continuous lateral bracing equally spaced on member.

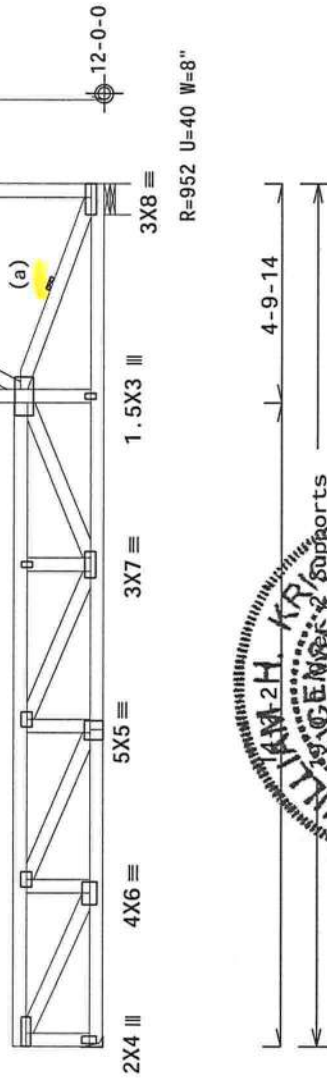
Trusses to be spaced at 16.0" OC maximum.

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

MMWFRS loads based on trusses located at least 18.17 ft. from roof edge.

These support conditions used at bearings indicated
(H1) = Simpson LUS24 w/ (3) 2x8 SP #1 Dense 12A
(4) SD9212, 0.131"x2.5" into
(2) SD9212, 0.131"x2.5" into
supported member.



R=952 U=40 W=8"

Design Crit: FBC2010Res/TPI-2007(STG)

****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 WTC) for complete instructions. In addition, please refer to the following information. 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 or bracing installed per BCSI sections B3, B7 or B10, as applicable.

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

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, 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 this drawing or cover page listing this drawing, indicates acceptance of professional engineering. The use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec 2. For general notes, please refer to the following notes page. TPI: www.tpiinc.org; WTC: www.wtcindustry.com; CC: www.lccasafe.org

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FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following instructions for proper handling and bracing practices prior to performing these functions. Installers shall provide temporary bracing for all trusses. Trusses shall have a property attached structural sheathing and bottom chord shall have bracing installed per BCST section 83, BT or BID, as applicable.

The ITC Building Components Group Inc. (ITBCO) shall not be responsible for any deviation from this design. To build in accordance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses, refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see: www.itbco.com or telephone TPI, 1-800-368-2263. Refer to drawings 160A-Z for standard plate positions. TPI, 1-800-368-2263.

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R9114-	81573
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR114	13022006
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0	PSF	SEQN-	96962	
DUR. FAC.	1.25		FROM	SDY	
SPACING	16.0"		JREF-	1UT39114704	

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

120 mph wind, 18.17 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $G C p i (+/-) = 0.18$

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

End verticals not exposed to wind pressure.

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

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Special loads

(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.25)
TC- From 67 plf at 0.00 to 67 plf at 12.84
TC- From 40 plf at 12.84 to 40 plf at 19.00
BC- From 7 plf at 0.00 to 7 plf at 12.84
BC- From 13 plf at 12.84 to 13 plf at 19.00
TC- 455.00 lb Conc. Load at 12.84

SPECIAL LOADS

(LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)
TC - From 67 PLF at 0.00 to 67 PLF at 12.84
TC - From 13 PLF at 12.84 to 13 PLF at 19.00
BC - From 7 PLF at 0.00 to 7 PLF at 12.84
BC - From 13 PLF at 12.84 to 13 PLF at 19.00
TC - 455 LB Conc. Load at 12.84

These support conditions used at bearings indicated
(H1) = Simpson LU26 w/ (3)2x8 SP #1_Dense_12A supporting member.
(6) 0.162"x3.5" nails into supporting member,
(4) 0.148"x1.5" nails into supported member.

(a) Continuous lateral bracing equally spaced on member.

Trusses to be spaced at 16.0" OC maximum.

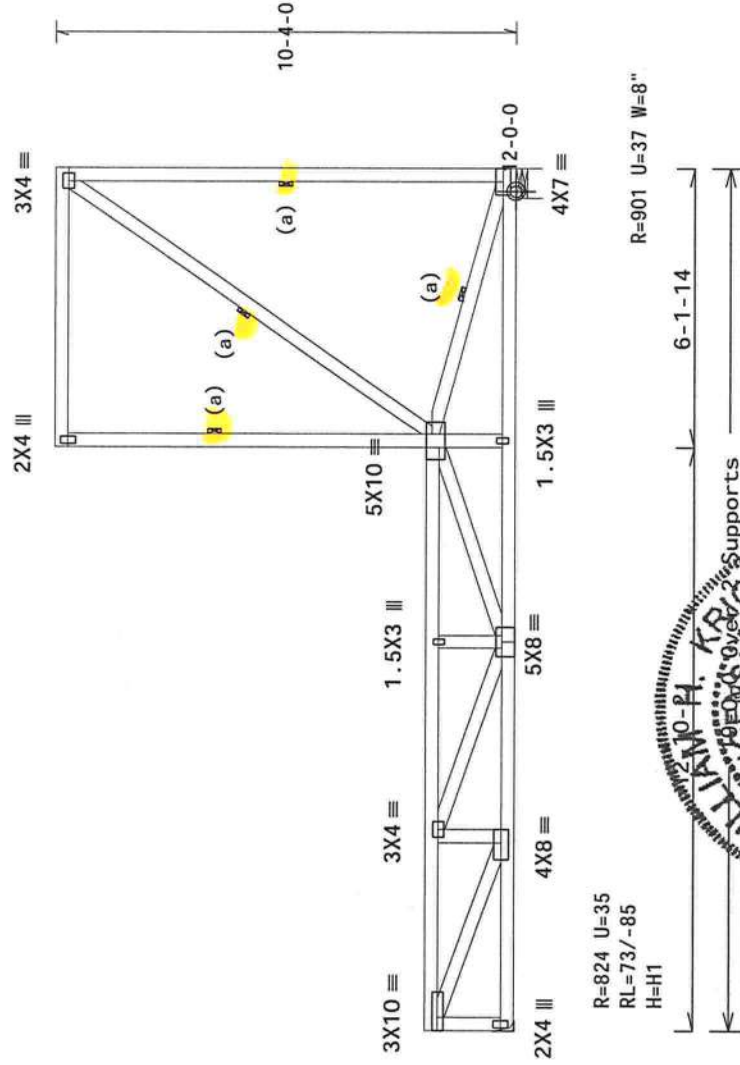
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

MWFRS loads based on trusses located at least 18.17 ft. from roof edge.

Wind loads and reactions based on MWFRS.



R=824 U=35
RL=73/-85
H=H1

R=901 U=37 W=8"

6'-1-14
Supports

PLT TYP. Wave

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

Scale = .25" / Ft.

TC LL	20.0 PSF	REF	R9114- 81574
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022007
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	96963
DUR. FAC.	1.25	FROM	SDY
SPACING	16.0"	JREF-	1UT39114Z04

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 Building Component Safety Information, by TPI and WCA for more information. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BC51 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, 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-Z for standard plate positions. A seal on this drawing, indicating acceptance of professional engineering, shall be required for the 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.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

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

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A :W2 2x4 SP #1_12A:

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

Special loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.25)
TC- From 67 plf at 0.00 to 67 plf at 10.58
TC- From 40 plf at 10.58 to 40 plf at 16.17
TC- From 40 plf at 16.17 to 40 plf at 19.17
BC- From 7 plf at 0.00 to 7 plf at 10.58
BC- From 13 plf at 10.58 to 13 plf at 16.17
BC- From 13 plf at 16.17 to 13 plf at 19.17
TC- 455.00 lb Conc. Load at 10.58

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.25)
TC - From 67 PLF at 0.00 to 67 PLF at 10.58
TC - From 40 PLF at 10.58 to 40 PLF at 19.17
BC - From 7 PLF at 0.00 to 7 PLF at 10.58
BC - From 13 PLF at 10.58 to 13 PLF at 19.17
TC - 455 LB Conc. Load at 10.58

These support conditions used at bearings indicated
(H1) = Simpson LUS26 w/ (3)2x8 SP #1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Trusses to be spaced at 16.0" OC maximum.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

MWFRS loads based on trusses located at least 18.17 ft. from roof edge.

Wind loads and reactions based on MWFRS.

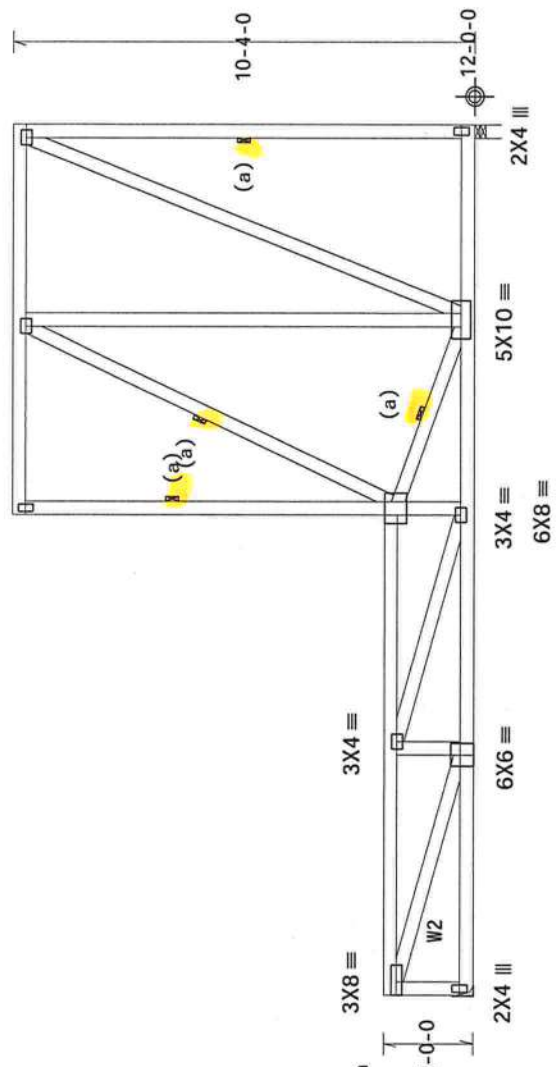
End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.15" due to live load and 0.18" due to dead load.

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

(a) Continuous lateral bracing equally spaced on member.

2X4 III 3X4 III 3X4 III



R=821 U=34 W=3.5"

R=868 U=37

RL=73/-85

H=H1



PLT TYP. Wave

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

Scale = .25"/Ft.

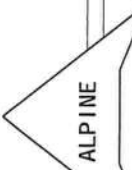
TC LL	20.0 PSF	REF	R9114- 81576
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022009
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	96965
DUR.FAC.	1.25	FROM	SDY
SPACING	16.0"	JREF-	1UT39114Z04

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

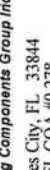
IMPORTANT** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the edition of BCS (Building Component Safety Information, by TPI and WGA) for all details and instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing 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 Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing is required. This drawing is the property of ITW Building Components Group Inc. and its use without 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.tpi.net.org; WGA: www.alcscare.org

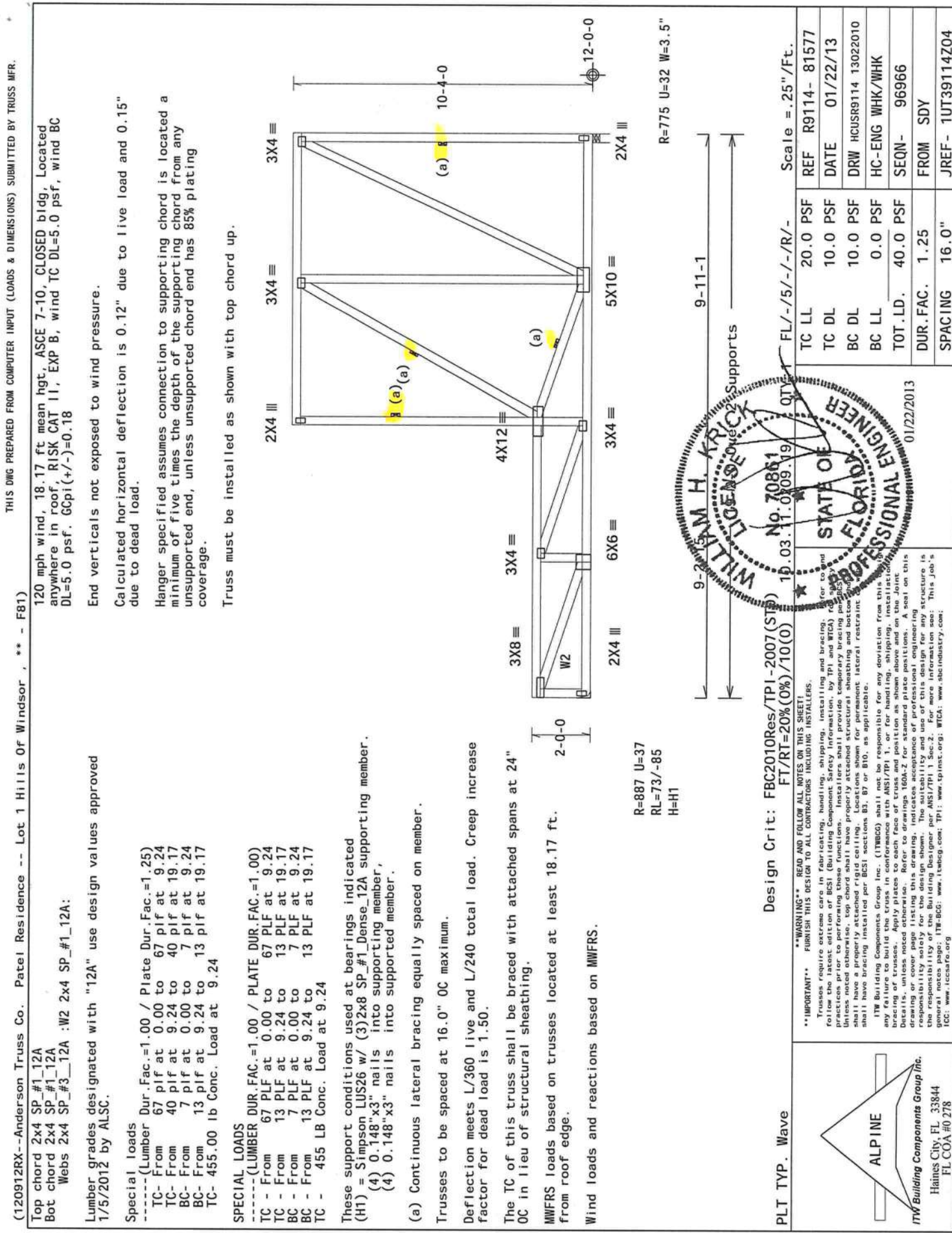
ICC: www.iccsafe.org



ALPINE



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



2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails

Top Chord: 1 Row @ 6.25" o.c.

Top Chord: 1 Row @ 0.23" o.c.
Bot Chord: 1 Row @ 12.00" o.c.

Webbs : 1 Row @ 4" o.c.
BUC CHORD : 1 Row @ 12.00" o.c.

Use equal spacing between rows and stagger nails

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

(1) 1 1/2" bolts MAY BE USED FOR (2) 0 128" x 3" min nails ON

(1) 1/2" bolts MAY BE THE BOTTOM CHORD ONLY

THE BOTTOM CHORD ONLY.

120	mph wind	18	17	ft moon	bat	ASCE	7	10	CLOSED	612	1
-----	----------	----	----	---------	-----	------	---	----	--------	-----	---

120 mph wind, 18.17 ft mean hgt, ASCE 7-10, CLOSED bldg, Located

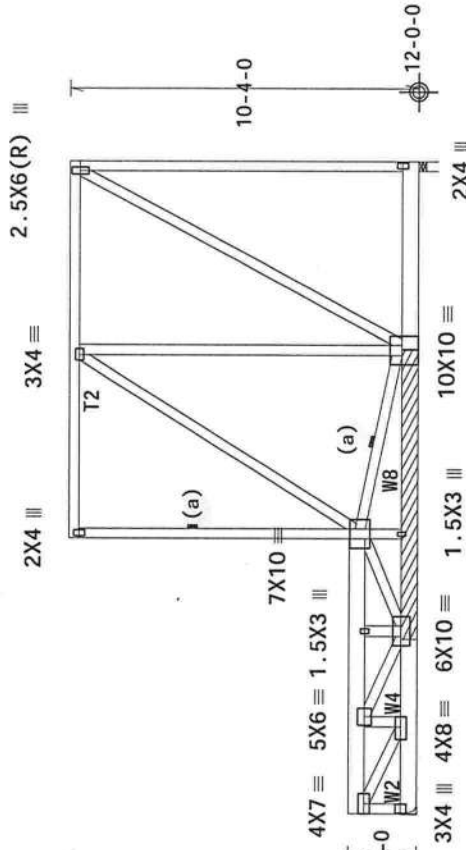
anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC

DL=5.0 psf. GCpi(+/-)=0.18

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.

MWFRS loads based on trusses located at least 18.17 ft. from roof edge.



R=2432 U=99
RL=73/-85
H=H1

R=1843 U=74 W=3.5"

PLT TYP. Wave

Design Crit:

Scale = .1875"/Ft.

REF R9114- 81578

DATE 01/22/13

DATE 01/27/10
DRIW H01589114 17023011

ENC WILK /WILK

CHC-ENG	WHK/WHK
CEON	00007

SEQN- 9696 /

FROM SDY

JREF- 1UT39114Z04

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

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

Special loads

----- (Lumber
TC- From Dur.Fac.=1.00 / Plate Dur.Fac.=1.25)
67 plf at 0.00 to 67 plf at 6.58
TC- From 40 plf at 6.58 to 40 plf at 19.17
BC- From 7 plf at 0.00 to 7 plf at 6.58
BC- From 13 plf at 6.58 to 13 plf at 19.17
TC- 648.00 lb Conc. Load at 6.58

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)
TC - From 67 PLF at 0.00 to 67 PLF at 6.58
TC - From 13 PLF at 6.58 to 13 PLF at 19.17
BC - From 7 PLF at 0.00 to 7 PLF at 6.58
BC - From 13 PLF at 6.58 to 13 PLF at 19.17
TC - 648 LB Conc. Load at 6.58

These support conditions used at bearings indicated
(H1) = Simpson LUS26 w/ (3)2x8 SP #1_Dense_12A supporting member.
(4) SD9212, 0.131"x2.5" into supporting member,
(4) SD9212, 0.131"x2.5" into supported member.

Trusses to be spaced at 16.0" OC maximum.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

MWFRS loads based on trusses located at least 18.56 ft. from roof edge.

Wind loads and reactions based on MWFRS.

R=1046 U=48
RL=80/-95
H=H1

R=756 U=34 W=3.5"

See detail STRBRIBR0211 for bracing and bridging recommendations.

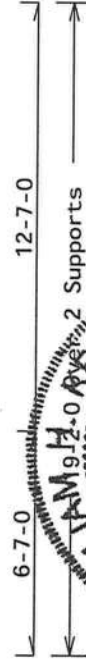
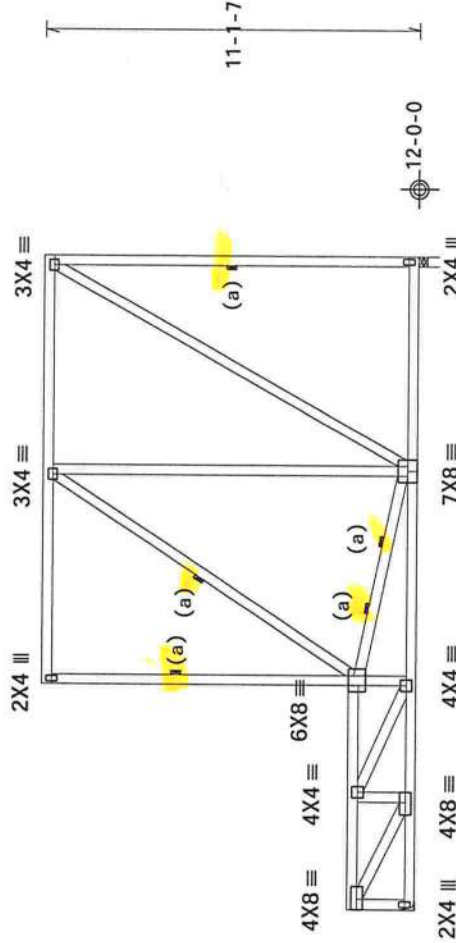
120 mph wind, 18.56 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

End verticals not exposed to wind pressure.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R9114-	81579
TC DL	10.0 PSF	DATE	01/22/13	
BC DL	10.0 PSF	DRW	HCUSR9114	13022012
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	96968	
DUR.FAC.	1.25	FROM	SDY	
SPACING	16.0"	JREF-	1UT39114Z04	

WILLIAM H. RYCK
LICENSE
No. 70861
10.03.11.0209.19
FLORIDA
PROFESSIONAL ENGINEER
01/22/2013

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 Components Safety Institute) for safety practices prior to performing these functions. Installers shall provide a seal on this drawing or cover page listing this information. A seal on this drawing or cover page listing this information is required for the structure to be installed. The suitability and use of this design for the 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.itw-bcsi.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

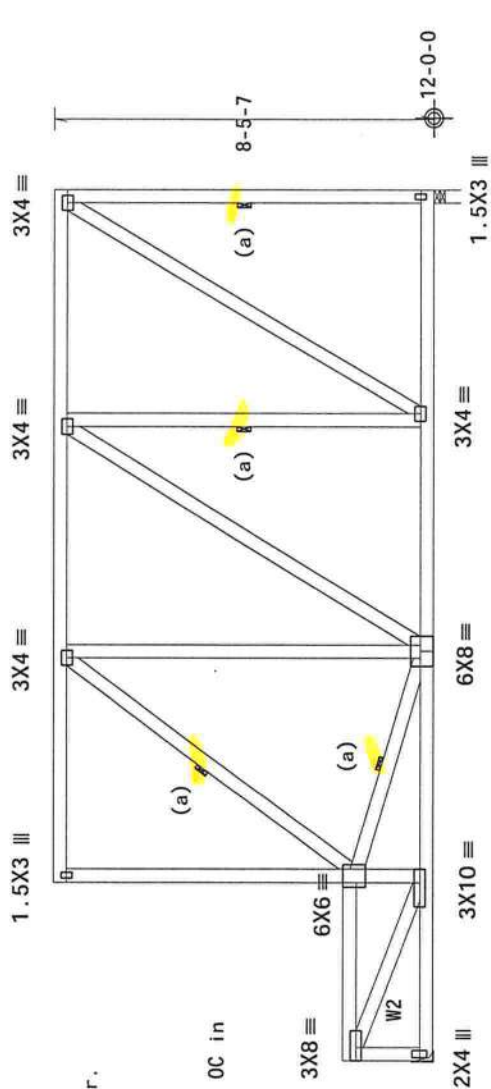
Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A : W2 2x4 SP #1_12A:
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Special loads
-----Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.25
TC- From 67 plf at 0.00 to 67 plf at 3.92
TC- From 40 plf at 3.92 to 40 plf at 19.17
BC- From 7 plf at 0.00 to 7 plf at 3.92
BC- From 13 plf at 3.92 to 13 plf at 19.17
TC- 648.00 lb Conc. Load at 3.92

SPECIAL LOADS
-----LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00
TC - From 67 PLF at 0.00 to 67 PLF at 3.92
TC - From 13 PLF at 3.92 to 13 PLF at 19.17
BC - From 7 PLF at 0.00 to 7 PLF at 3.92
BC - From 13 PLF at 3.92 to 13 PLF at 19.17
TC - 648 LB Conc. Load at 3.92

These support conditions used at bearings indicated
(H1) = Simpson LUS26 w/ (3)2x8 SP #1_Dense_12A supporting member.
(4) SD9212, 0.131"x2.5" into supporting member.
(4) SD9212, 0.131"x2.5" into supported member.

Truss must be installed as shown with top chord up.
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.
Wind loads and reactions based on MWFRS.



R=1097 U=38
RL=55/-64
H=H1
R=652 U=27 W=3.5"



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

PLT TYP. Wave	Scale = .25"/Ft.	
	REF R9114- 81581	DATE 01/22/13
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	TC LL 20.0 PSF	DRW HCUSR9114 13022014
	TC DL 10.0 PSF	HC-ENG WHK/WHK
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	BC DL 10.0 PSF	SEQN- 96970
	BC LL 0.0 PSF	FROM SDY
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	TOT.LD. 40.0 PSF	JREF- 1UT39114Z04
	DUR.FAC. 1.25	
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	SPACING 16.0"	

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

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

120 mph wind, 18.83 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 18.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPl (+/-)=0.18

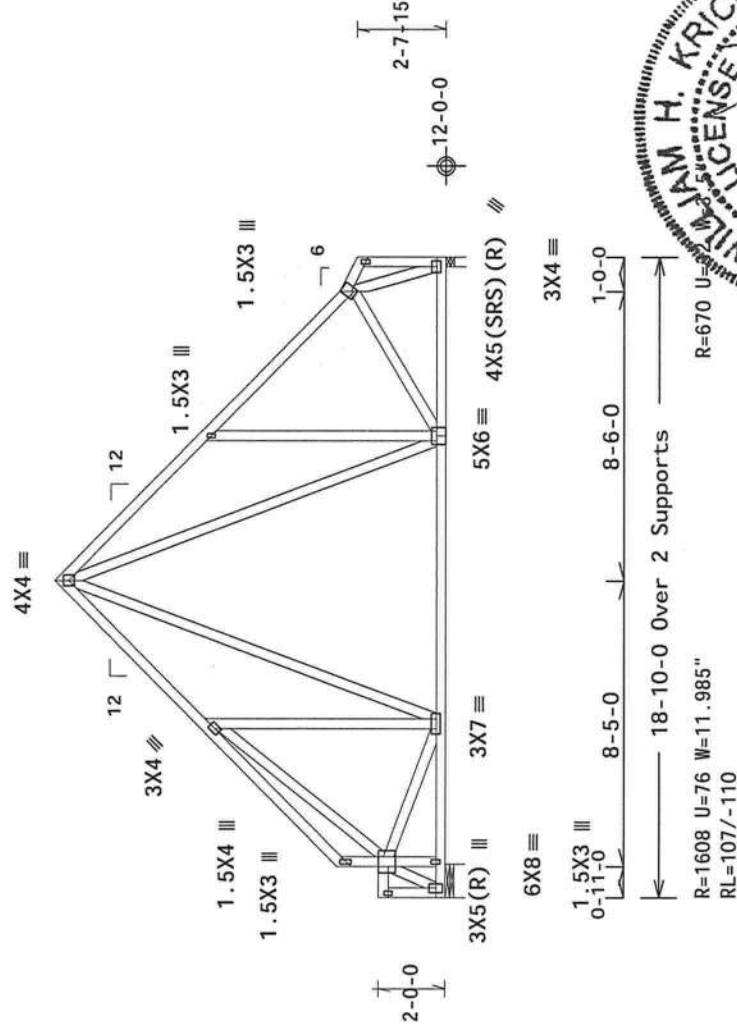
Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

MWFRS loads based on trusses located at least 9.42 ft. from roof edge.



PLT TYP. Wave

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

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R9114-	81583
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13022011
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	96972	
DUR. FAC.	1.25		FROM	SDY	
SPACING	16.0"		JREF-	1UT39114Z04	

****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. Follow the latest edition of BCST (Building Component Safety Information, by TPI and WTCA) for all truss details. Truss manufacturers must provide temporary bracing per BCST sections B3, B7 and B10. Truss manufacturers must provide a permanent lateral restraint per BCST sections B3, B7 and B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or fabricating 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 truss is required. The responsibility for the design and use of this design for any structure is the responsibility solely for the design owner. 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-B20 www.itwbcg.com TPI: www.tpinet.org WTCA: www.sbcindustry.com; ITWBCG: www.itwbcg.com

ALPINE

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

FL COA #0 278

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - F62 2-PLY)

Top chord 2x4 SP #1_12A
Bot chord 2x8 SP #1_Dense_12A
Webs 2x4 SP #3_12A

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

Special loads

-----Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00
TC- From 50 plf at 0.00 to 50 plf at 8.00
BC- From 5 plf at 0.00 to 5 plf at 8.00
TC- 480.44 lb Conc. Load at 1.56
TC- 341.10 lb Conc. Load at 3.53
TC- 400.52 lb Conc. Load at 5.53
TC- 510.49 lb Conc. Load at 7.53

Truss must be installed as shown with top chord up.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails

Top Chord: 1 Row @ 5.00" o.c.

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

Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

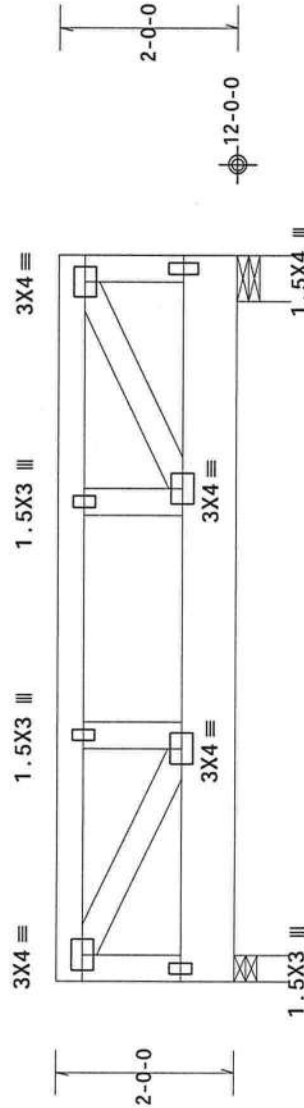
in each row to avoid splitting.

(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON
THE BOTTOM CHORD ONLY.

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

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

The TC of this truss shall be braced with attached spans at 24" OC in
lieu of structural sheathing.



8-0-0 Over 2 Supports

R=952 W=3.5"

PLT TYP. Wave

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

Scale = .5"/Ft.

TC LL 40.0 PSF

TC DL 10.0 PSF

BC DL 5.0 PSF

BC LL 0.0 PSF

TOT.LD. 55.0 PSF

DUR.FAC. 1.00

SPACING 24.0"

REF	R9114-	81585
DATE	01/22/13	
DRW	HCUSR9114	13022017
HC-ENG	WHK/WHK	
SEQN-	96974	
FROM	SDY	
JREF-	1UT39114Z04	

ALPINE
Haines City, FL 33844
FL COA #0 278

ITW Building Components Group Inc.

WILLIAM H. KRICK
LICENSE
FLORIDA
PROFESSIONAL ENGINEER
01/22/2013

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 WTGA) for safety instructions to performing these functions. Installers shall provide temporary bracing and shoring until the truss is properly attached to the building. Locations shown for permanent lateral restraining 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 bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering and the responsibility of the Building Component Safety Information (BCSI) and use of this design for any structure is the responsibility of the user. This job is the property of ITWBCG. TPI: www.tpinet.org; WTGA: www.alcusafo.org

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - FG4 2-PLY)

Top chord 2x4 SP #1_12A
Bot chord 2x8 SP #1_Dense_12A
Webs 2x4 SP #3_12A

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

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 4.00" 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.
(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON THE BOTTOM CHORD ONLY.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
Truss must be installed as shown with top chord up.
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

4X5

4X5

5X5

4X4

4X4

4X5

10X10

4X7

4X4

4X5

1.5X3

2-0-0

2-0-0

12-0-0

2-0-0

1.5X3

4X5

4X4

4X5

3X5

16-10-6 Over 2 Supports

R=2387 W=4"

ALPINE

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

PLT TYP. Wave

Note: All Plates Are 3X4 Except As Shown.
Design Crit: FBC2010Res/TPI-2007(SB)
FT/RT=20%(0%)/10(0)

2-6-13

1-0-1

Scale = .375"/Ft.

REF R9114- 81587
DATE 01/22/13
DRW HCUSR9114 13022019
HC-ENG WHK/WHK
SEQN- 96976
FROM SDY
JREF- 1UT39114Z04

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 WTGA) for details. Unless noted otherwise, top chord shall have properly attached and installed bracing. A seal on this 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 any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-Z for standard plate positions. A seal on this 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.
The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2, for any structure is general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTGA: www.sbcindustry.com; ICC: www.iccsafe.org

Top chord 2x6 SP_#1_Dense_12A
Bot chord 2x8 SP_#1_Dense_12A
Webs 2x4 SP_#3_12A
W3, W5, W13, W15 2x8 SP_#1_Dense_12A: W4, W6, W12, W14 2x4
SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

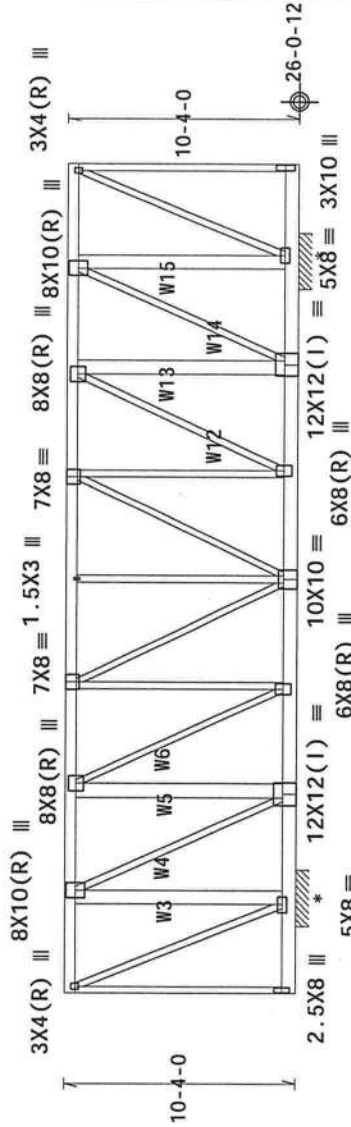
* WARNING A reaction exceeds 20000 lbs.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)
TC - From 477 PLF at 0.07 to 477 PLF at 36.59
BC - From 20 PLF at 0.07 to 20 PLF at 36.59
BC - 969 LB Conc. Load at 1.65
BC - 536 LB Conc. Load at 3.56
BC - 969 LB Conc. Load at 5.65
BC - 1535 LB Conc. Load at 7.65
BC - 1538 LB Conc. Load at 9.65
BC - 1528 LB Conc. Load at 11.65
BC - 1510 LB Conc. Load at 13.65
BC - 1179 LB Conc. Load at 15.65,
BC - 1510 LB Conc. Load at 22.62,
BC - 1528 LB Conc. Load at 24.62
BC - 1538 LB Conc. Load at 26.62
BC - 1535 LB Conc. Load at 28.62
BC - 969 LB Conc. Load at 30.63
BC - 536 LB Conc. Load at 32.71
BC - 1540 LB Conc. Load at 34.63



R=20185 U=3977 W=2-5-14

R=20593 U=4055 W=2-5-14

2'-11-14

8'-0-10

2 Supports

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(S13)
FT/RT=20%(0%)/10(0)

Scale = .125"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Prior to load follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for safe practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have property attached structural sheathing and bottom chord shall have property 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 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/TP1 1 Sec.2. For more information see: This job's drawings and notes pages. ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTC: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF R9114-	81590
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022021
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	96979
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

STATE OF FLORIDA
PROFESSIONAL ENGINEER
WILLIAM H. KRICK
LICENSE # 66666
No. 70861
10.03.19.09.19
01/22/2013

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

Top chord 2x6 SP_#1_Dense_12A
Bot chord 2x8 SP_#1_Dense_12A
Webs 2x4 SP_#3_12A

:W3, W10, W11 2x8 SP_#1_Dense_12A: :W4 2x4 SP_#1_12A:

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

End verticals not exposed to wind pressure.

(H1) = (J) Hanger not calculated (4)2x8 SP_#1_Dense_12A supporting member.

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)

TC - From 68 PLF at 0.00 to 68 PLF at 5.25

TC - From 34 PLF at 5.25 to 34 PLF at 24.30

BC - From 276 PLF at 0.00 to 276 PLF at 3.75

BC - From 266 PLF at 3.75 to 266 PLF at 24.30

BC - 655 LB Conc. Load at 3.75

BC - 1165 LB Conc. Load at 5.25

BC - 558 LB Conc. Load at 7.31, 9.31, 11.31, 11.70, 13.70, 15.70, 17.70

BC - 1436 LB Conc. Load at 19.76

BC - 832 LB Conc. Load at 21.69, 23.69

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails

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

Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)

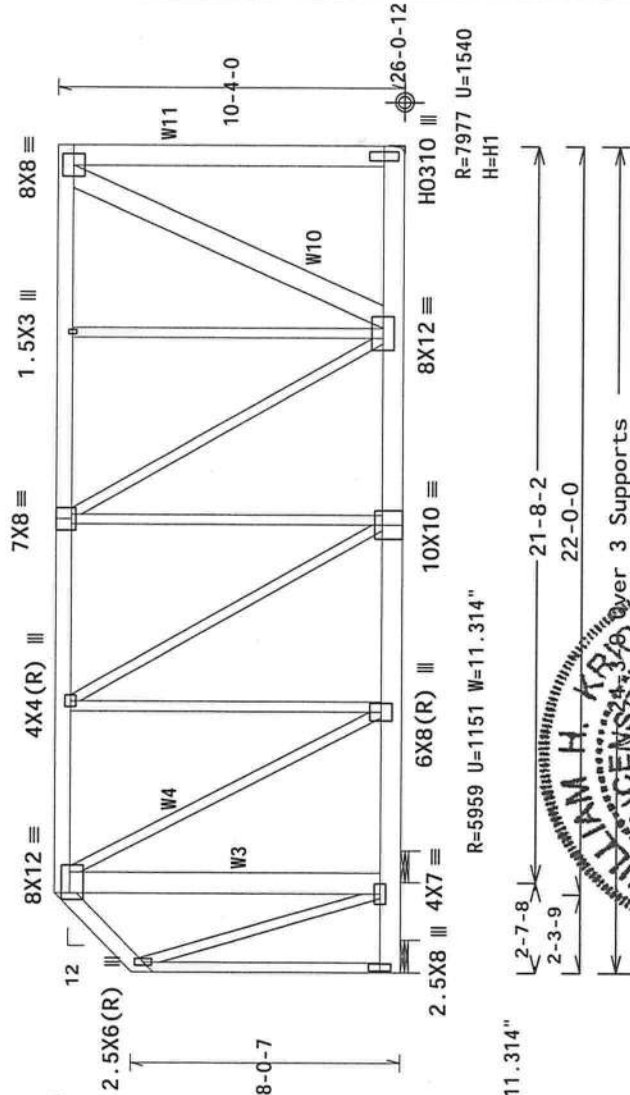
Webs : 1 Row @ 4" o.c.

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

(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON EITHER THE TOP OR BOTTOM CHORDS.

120 mph wind, 35.25 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS.



R=2402 U=464 W=11.314"

R=5959 U=1151 W=11.314"

R=7977 U=1540
H=H1

PLT TYP. 20 Gauge HS.Wave

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

Scale = .1875"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing and shoring unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraints 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 field modifications. ITWBCG shall not be responsible for handling, shipping, installing, or bracing of trusses. Apply plates to each face of top and bottom chords and to all vertical bracing of trusses. Refer to drawings 100A-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 Engineering Design Page ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 81591
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022221
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	96980
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

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

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#3_12A
:Lt Slider 2x6 SP_#1_Dense_12A: BLOCK LENGTH = 1.961'
Lumber grades designated with "12A" use design values approved
1/5/2012 by ALSC.

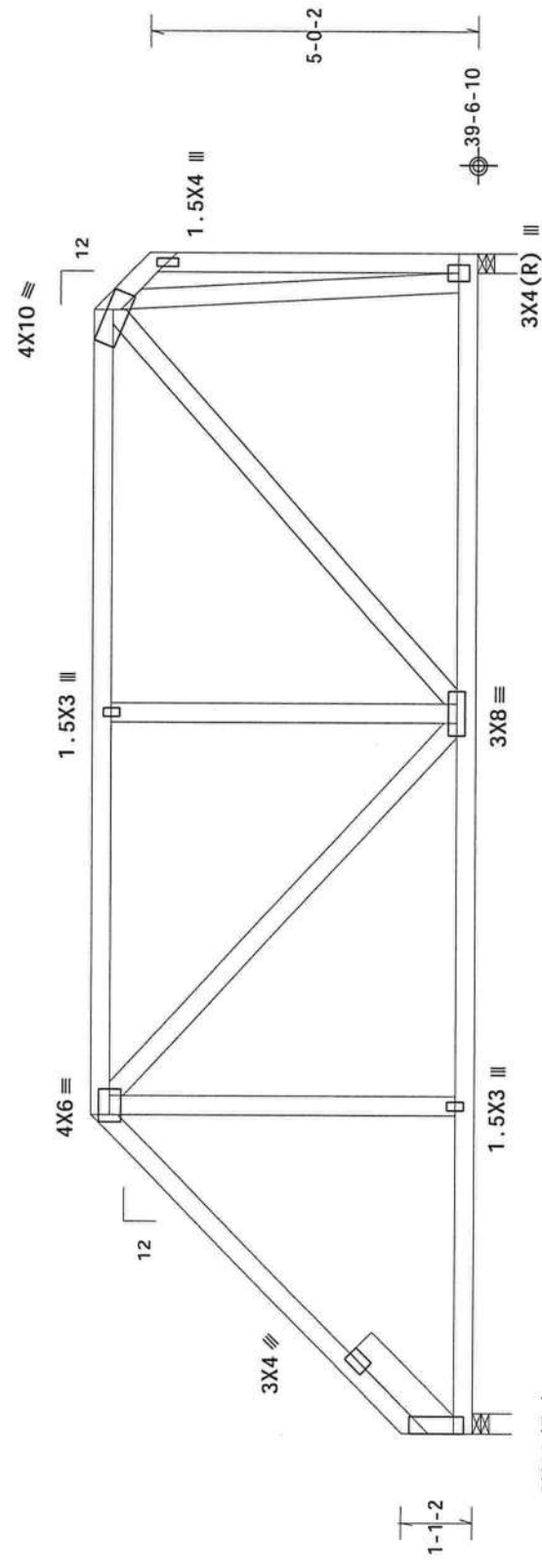
Bottom chord checked for 10.00 psf non-concurrent live load.

120 mph wind, 43.03 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

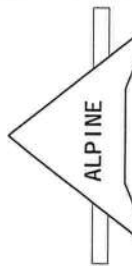
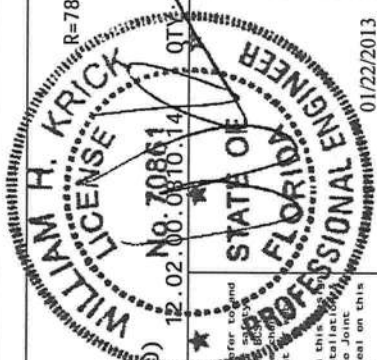
Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



4-9-4 12-1-8 0-10-4
17-9-1 Over 2 Supports
R=784 U=116 W=3.5"
RL=126/-46

Design Crit: FBC2010Res/TPI-2007(S10)
FT/RT=20%(0%)/10(0) FL/-5/-/-/R/- Scale = .375"/Ft.

PLT TYP. Wave

 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 TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure of the truss or its components. For engineering, installation, and bracing details, refer to the drawings and specifications. Apply plates to each face of truss and position as shown above. 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 of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's ICC: www.iccinfo.org			
	TC LL	20.0 PSF	REF	R9114- 81592
	TC DL	10.0 PSF	DATE	01/22/13
	BC DL	10.0 PSF	DRW	HCUSR9114 13022160
	BC LL	0.0 PSF	HC-ENG	WHK/WHK
	TOT.LD.	40.0 PSF	SEQN-	5896 REV
	DUR.FAC.	1.25	FROM	SDY
	SPACING	24.0"	JREF-	1UT39114Z04

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

: Lt Slider 2x6 SP_#1_Dense_12A: BLOCK LENGTH = 2.668'

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

(a) Continuous lateral bracing equally spaced on member.

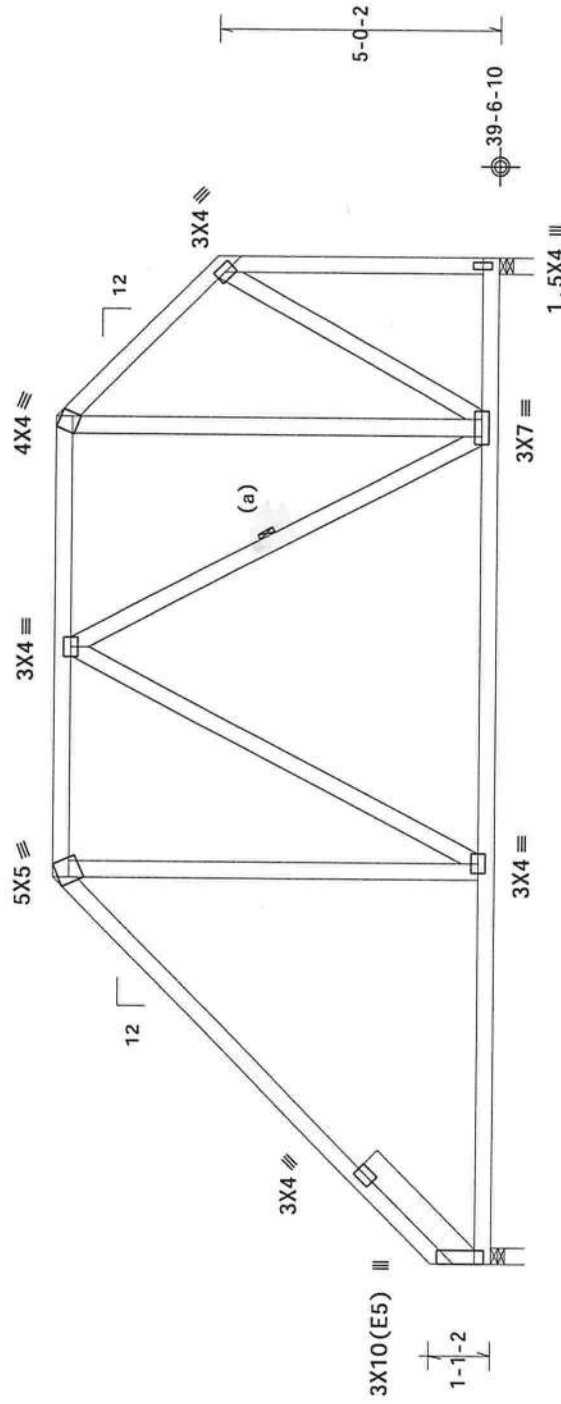
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 44.03 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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



6-9-4 8-1-8 2-10-4

17-9-1 Over 2 Supports

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

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

Scale = .3125"/Ft.

Scale = .3125 /ft.

REF R9114- 81593

KEY	K9114- 81393
DATE	01/22/13

DATE 01/22/13

DRW HCUSR9114 13022161

HC-ENG WHK/WHK

SEC	5000	DEVI
SEC	5000	DEVI

SEQN-	5898	REV
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FROM SDY

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

...o extreme care in fabricating, handling, shipping, installing.

Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) for details on proper bracing and installation. Installers shall provide temporary bracing per BCSI requirements. If the manufacturer's instructions for the product do not specify bracing, the manufacturer shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

[illegible]

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

120 mph wind, 42.32 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

2.5X6

8.49



R=916 U=0 W=4"
RL=225/-154

The seal of the American Psychological Association is a circular emblem. It features a central design surrounded by the text "AMERICAN PSYCHOLOGICAL ASSOCIATION" at the top and "FOUNDED 1887" at the bottom. The seal is partially visible on the right edge of the document.

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

PLT TYP. Wave

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R9114- 81596
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022023
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	96985
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04



ALPINE

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

120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R8)

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

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

End verticals not exposed to wind pressure.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

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

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

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

120 mph wind, 42.06 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

These support conditions used at bearings indicated (H1) = Simpson UR24 w/ (2)2x6 SP_#1_Dense_12A supporting member.
(4) 0.162"x3.5" nails into supporting member,
(4) 0.148"x1.5" nails into supported member.

R=649 U=0 W=4"
RL=410/-106

R=620 U=324
H=H1

33-6-15

PLT TYP. Wave

ALPINE

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

Design Crit: FBC2010Res/TPI-2007(S19)
FT/RT=20%(0%)/10(0)

Design Crit: FBC2010Res/TPI-2007(S19)
FT/RT=20%(0%)/10(0)

Design Crit: FBC2010Res/TPI-2007(S19)
FT/RT=20%(0%)/10(0)

Scale = .1875"/Ft.

REF R9114- 81599
DATE 01/22/13
DRW HCUSR9114 13022026
HC-ENG WHK/WHK
SEQN- 96988
FROM SDY
JREF- 1UT39114Z04

William H. Supplick
Professional Engineer
No. 70861
10.03.11.09.19

FLORIDA
STATE OF
ENGINEER
PROFESSIONAL
01/22/2013

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 and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTGA) rules and specifications. Truss installers shall provide temporary bracing per BCSI and WTGA rules and specifications. Unless noted otherwise, top chord shall have proper bracing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for 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 160A-2 for standard plate positions. A seal on this drawing indicates that the truss has been inspected and approved by a professional engineer. The responsibility of the Building Designer per ANSI/TPI 1, Section 2.1, shall remain with the Building Designer. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WTGA: www.abcdindustry.com; ICC: www.iccsafe.org

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

120 mph wind, 31.32 ft mean hgt., ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

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

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

[illegible]

ITW Building Components, Group Inc. (ITWBCG) shall not be responsible for any deviation from this document. The user's failure to build the truss in conformance with ANSI/TPI 1-1997 and the manufacturer's instructions, including the details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on 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 per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes and drawings. ITWBCG: www.itwbcg.com; TPI: www.tpiinc.net; WFOA: www.sdcindustry.com; ICC: www.iccsafe.org

REF R9114- 8160

DATE 01/22/13

DATE 01/22/10

CDW 10000114 120222

UAW HCUSK9114 130ZZ

HC-ENG WHK/WHK

SEQN-	96991
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FROM SDY

JREF- 1UT39114Z0

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A
:Rt Bearing Leg 2x4 SP #3_12A:

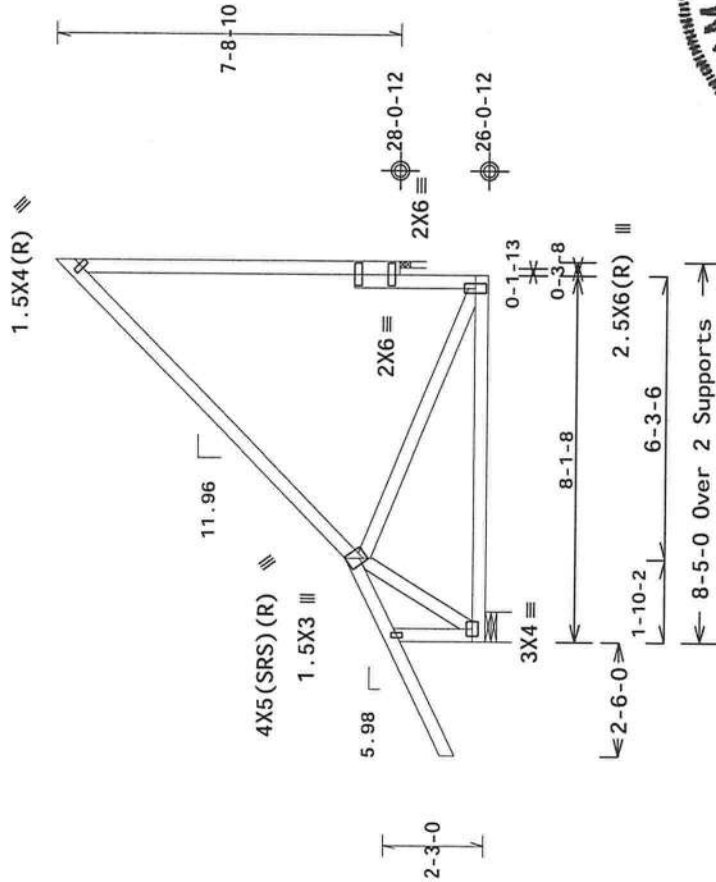
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 31.42 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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

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



R=551 U=0 W=8.025"
RL=254/-70

R=342 U=193 W=1.684

Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=20%(0%)/10(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 TPI and WCA) for details and instructions to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall be braced in accordance with the BCSI. Trusses shall have a properly attached rigid collar and 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 any other code or standard. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the user. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WCA: www.alcindustry.com; ICC: www.iccsafe.org

ALPINE

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



TC LL	20.0 PSF	REF	R9114- 81603
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022030
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	96992
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

120 mph wind, 31.48 ft mean hgt., ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

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

Design Crit: FBC2010Res/TPL-2007(ST)3
FT/RT=20%(0%)/10(0)

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

TC LL	20.0	PSF	REF	R9114- 81604
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022031
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	96993
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

ITW Building Components Group Inc.

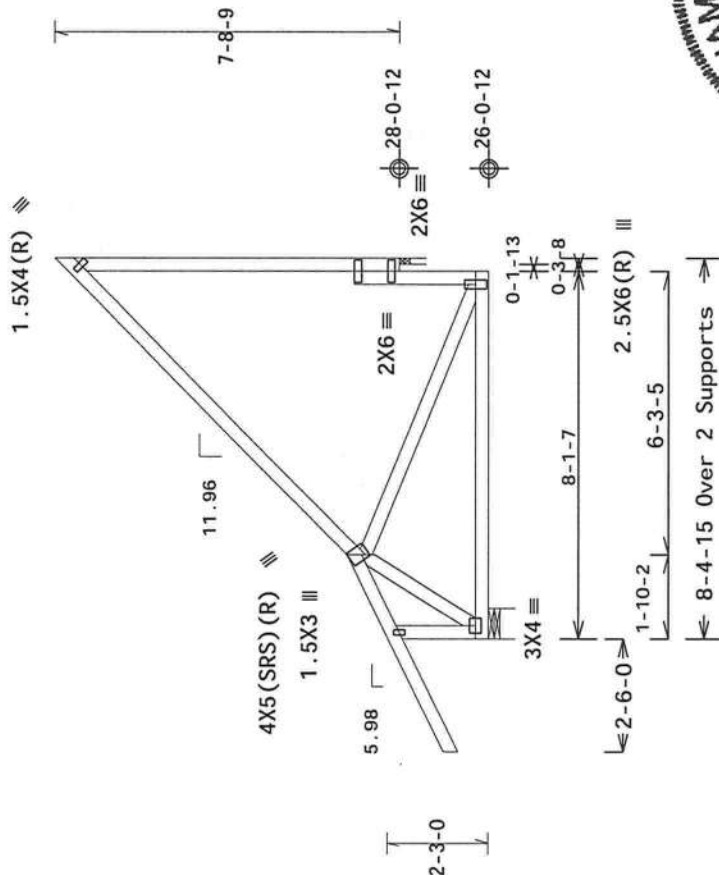
Haines City, FL 33844
FL COA #0278

120 mph wind, 31.42 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

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



R=550 U=0 W=8.025"
RL=254/-70

R=342 I=193 W=1 683

PLT TYP. Wave

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

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R9114- 81607
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022034
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	96996
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

01/22/2013

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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R17)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A
:Rt Bearing Leg 2x4 SP_#3_12A:

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

Right end vertical not exposed to wind pressure.

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

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

120 mph wind, 31.32 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

11.96

7-6-4

28-0-12

26-0-12

5-98

2-3-0

4X5(SRS)(R)

1.5X4(R)

2X6

3X4

2.5X6(R)

1-10-2

6-1-0

2-6-1

1-10

0-1-10

0-3-8

7-11-2

PLT TYP. Wave

ALPINE

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

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

R=543 U=0 W=8.025"
RL=248/-69

R=333 U=189 W=1.854

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

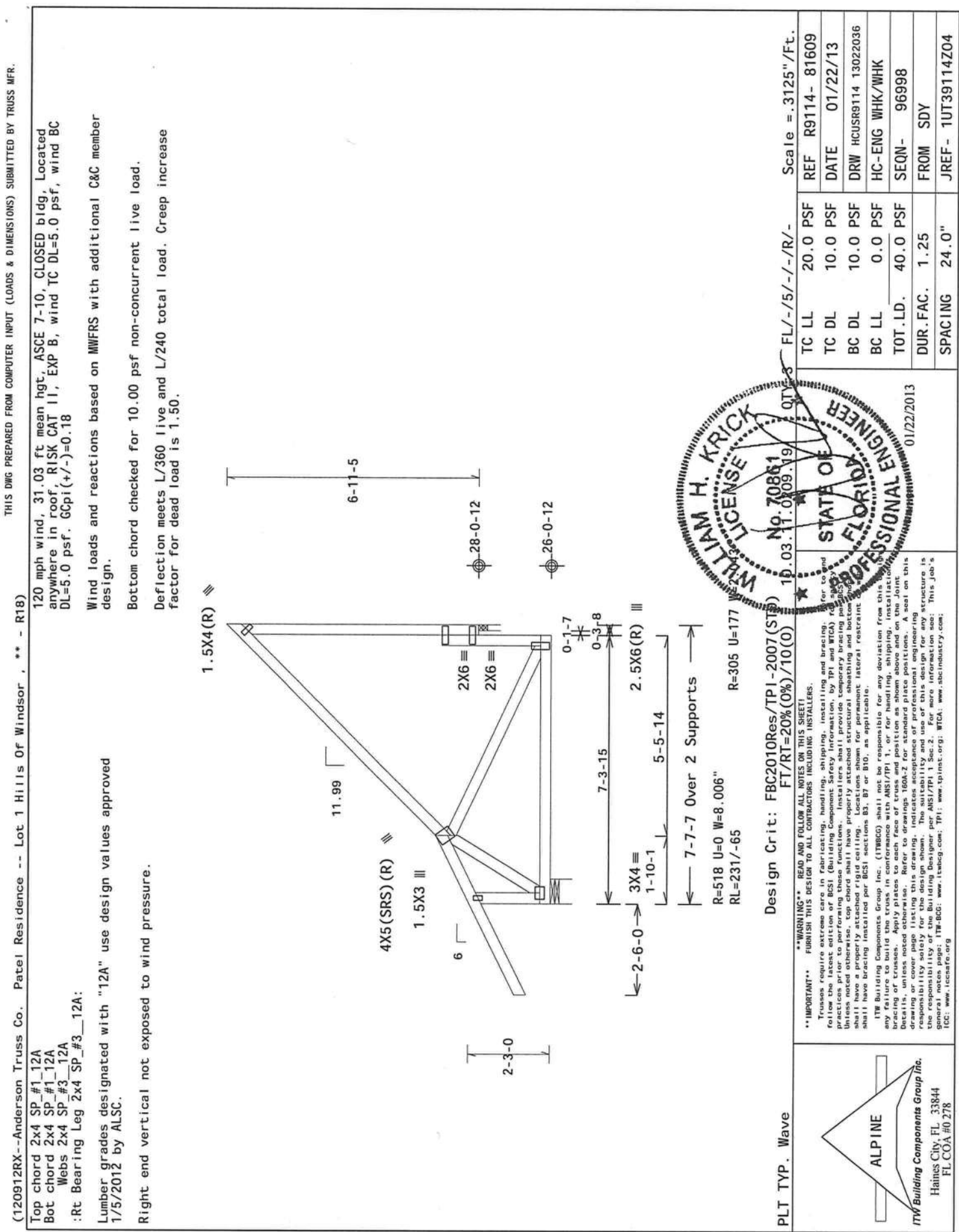
Scale = .25"/Ft.

REF R9114- 81608
DATE 01/22/13
DRW HCUSR9114 13022035
HC-ENG WHK/WHK
SEQN- 96997
FROM SDY
JREF- 1UT39114Z04

WILLIAM H. KRICK
LICENSE
10.03.19.00819

STATE OF
FLORIDA
PROFESSIONAL ENGINEER
01/22/2013

IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCS (Building Components Safety) and the latest edition of TPI (Truss Plate Institute) practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid collar. Locations shown for permanent lateral restraint shall have bracing installed per BCS sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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. Trusses shall be braced to ground or to other trusses or structures in accordance with the 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: ITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; WTCA: www.sbcindustry.com; ICC: www.iccsafo.org



2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min.

Top Chord:	1 Row	@ 12.00"	0.0 c.
Bot Chord:	1 Row	@ 4.00"	0.0 c.

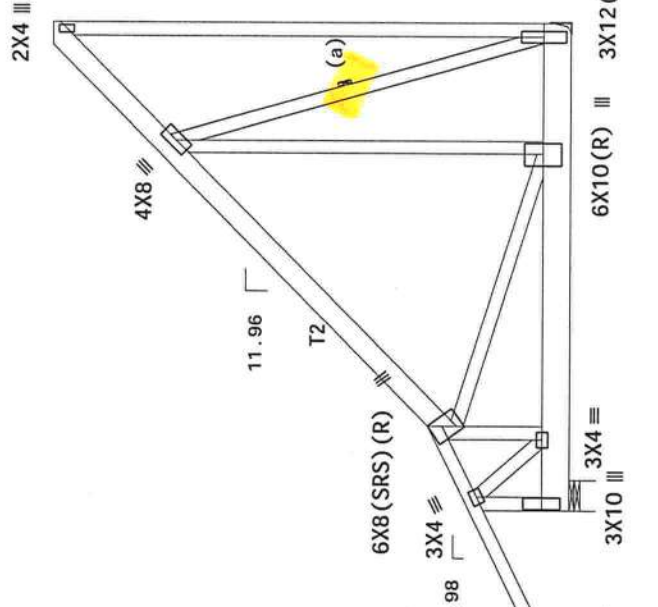
Use equal spacing between rows and stagger nails in each row to avoid splitting.

(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON THE BOTTOM CHORD ONLY.

120 mph wind, 32.33 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

2X4 III

11.96



R=3467 U=1677
H=H1

2-6-1
WILLIAM H. KRICK
LICENSE
No. 70861
10-03-11 09:19
FL-5/-/R/-
2 Supports
8-10-11
10-8-14
TC LL 20.0 P
TC DL 10.0 P
BC DL 10.0 P
BC LL 0.0 P
TOT. LD. 40.0 P
01/22/2013

No. 70861
10.03.11.0409.19
QTV FL/-5/-/-/R/-

 I hereby certify that the above described structure is in accordance with the provisions of the laws of the State of Florida and the rules and regulations of the Board of Professional Engineers. This job is for the purpose of providing a professional engineering service to the client.	TC LL TC DL BC DL BC LL TOT. LD.	20.0 P 10.0 P 10.0 P 0.0 P 40.0 P
	DUR. FAC.	1.25
	SPACING	24.0"
	01/22/2013	

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R20)

Top chord 2x6 SP #1_Dense_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A

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

120 mph wind, 28.06 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

End verticals not exposed to wind pressure.

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

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

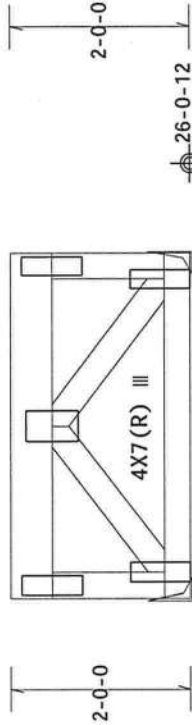
Truss must be installed as shown with top chord up.

Special loads
----- (Lumber
TC- From 60 plf at 0.00 to 60 plf at 1.25
BC- From 20 plf at 0.00 to 20 plf at 3.82
TC- 333.34 lb Conc. Load at 0.29, 2.77
TC- 342.43 lb Conc. Load at 0.67, 2.40
TC- 347.60 lb Conc. Load at 0.97, 2.09
TC- 350.65 lb Conc. Load at 1.26, 1.53, 1.80
TC- 305.18 lb Conc. Load at 3.66

Wind loads and reactions based on MWFRS.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

2.5X8 III 2.5X8 III



2.5X8(R) III 2.5X8(R) III

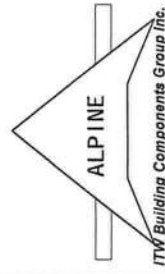
<3-9-13 Over 2 Supports >

R=2022 U=1078
H=H1

R=1688 U=894
H=H1 and H2

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

PLT TYP. Wave



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, shipping, installing and bracing. The fabricator and installer shall be responsible for ensuring that the truss is installed in accordance with the design and specifications. The fabricator shall provide temporary bracing and blocking for the truss during shipping and installation. The installer shall provide temporary bracing and blocking for the truss during installation. The fabricator shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the truss shall be installed per BCS1 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, 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 100A-2 for standard plate positioning and seal on this truss. The fabricator and installer shall be responsible for ensuring that the truss is installed in accordance with the design and specifications. The fabricator shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the truss shall be installed per BCS1 sections B3, B7 or B10, as applicable.
The responsibility of the Building Designer for ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.alcindustry.com; ICC: www.iccsafe.org

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R9114- 81611
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022212
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97000
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

Top chord 2x4 SP #1_12A
Bot chord 2x8 SP #1_Dense_12A
Webs 2x4 SP #3_12A : W6 2x4 SP #1_12A:

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

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at -2.50 to 62 plf at 1.83
TC- From 68 plf at 1.83 to 68 plf at 7.46
TC- From 34 plf at 7.46 to 34 plf at 10.33
TC- From 34 plf at 10.33 to 34 plf at 13.21
TC- From 68 plf at 13.21 to 68 plf at 18.83
TC- From 62 plf at 18.83 to 62 plf at 23.17
BC- From 4 plf at -2.50 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.46
BC- From 10 plf at 7.46 to 10 plf at 10.33
BC- From 10 plf at 10.33 to 10 plf at 13.21
BC- From 20 plf at 13.21 to 20 plf at 20.67
BC- From 4 plf at 20.67 to 4 plf at 23.17
BC- 1687.94 lb Conc. Load at 7.46,13.21
BC- 3467.11 lb Conc. Load at 10.33

2 COMPLETE TRUSSES REQUIRED

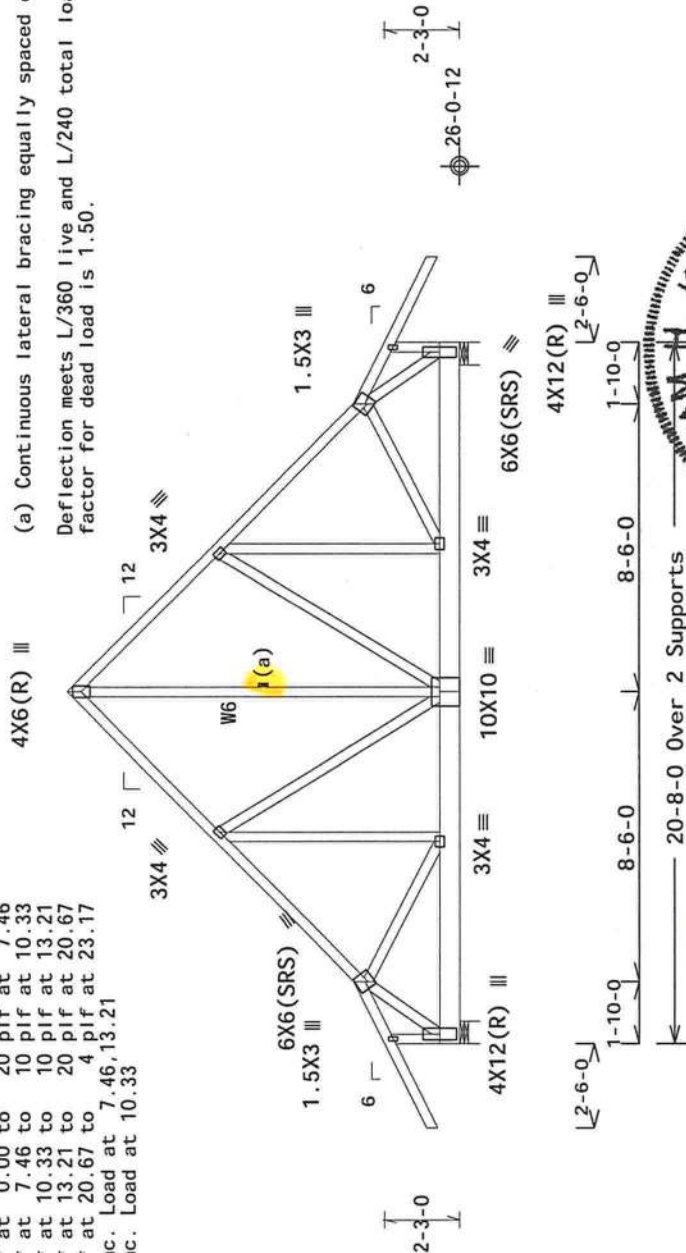
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON THE BOTTOM CHORD ONLY.

120 mph wind, 32.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS.

(a) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R9114- 81612
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022038
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97001
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

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

WILLIAM H. KRICK
LICENSE
No. 70861
10.03.11-02.09.19
FL
FLORIDA
PROFESSIONAL ENGINEER
01/22/2013

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WFA) 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 top chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Bracing Diagram. Do not use any other bracing method without the approval of ITWBCG.

drawing or cover page listing this design. The suitability and use of this design for any structure is the responsibility solely 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; WFA: www.alcindustry.com; ICC: www.iccinfo.org

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R22 2-PLY)

Top chord 2x4 SP #1_12A
Bot chord 2x6 SP #1_Dense_12A
Webs 2x4 SP #3_12A

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

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 62 pif at 0.00 to 62 pif at 1.83
TC- From 68 pif at 1.83 to 68 pif at 10.33
TC- From 68 pif at 10.33 to 68 pif at 18.83
TC- From 62 pif at 18.83 to 62 pif at 20.67
BC- From 10 pif at 0.00 to 10 pif at 10.33
BC- From 10 pif at 10.33 to 10 pif at 20.67
BC- 844.13 lb Conc. Load at 1.63, 3.63, 5.63, 7.63
9.63, 11.63, 13.63, 15.63, 17.63, 19.63

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

2 COMPLETE TRUSSES REQUIRED

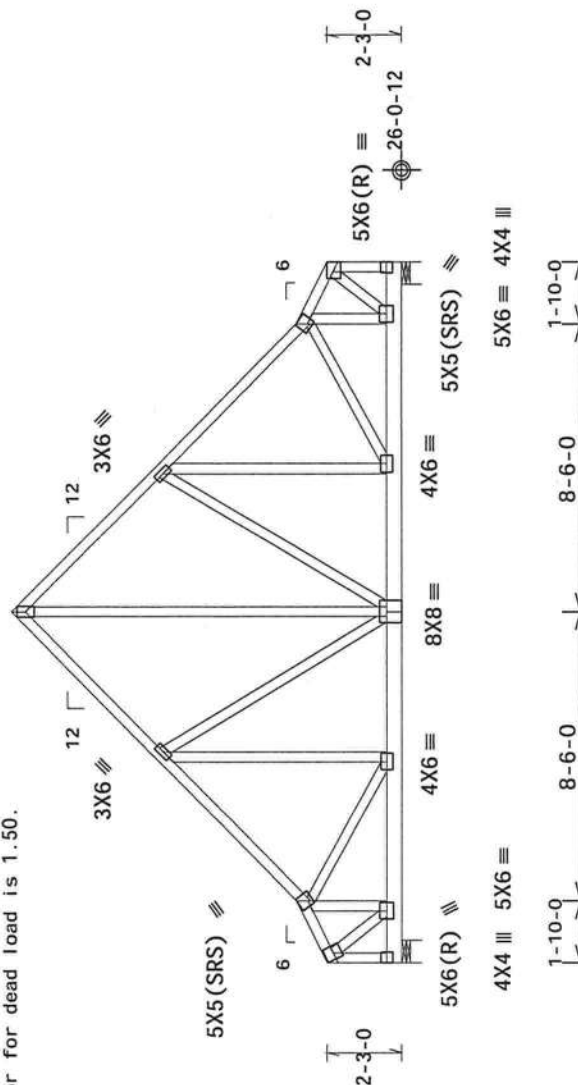
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.
(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON THE BOTTOM CHORD ONLY.

120 mph wind, 33.02 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

4X6(R) III



20-8-0 Over 2 Supports

R=4897 U=0 W=8"

PLT TYP. Wave

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R9114- 81613
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCSR9114 13022039
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97002
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

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 WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint and 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 this design or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, bracing or bracing of trusses. Apply proper bracing and bracing to all trusses. Refer to drawings 160A-2 for standard placement positions. A seal on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG; www.itwbcg.com; TPI: www.tpiinst.org; WTCA: www.abctindustry.com; ICC: www.iccsafe.org

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

WILLIAM H. KRICK
LICENSE
FLORIDA
PROFESSIONAL ENGINEER
01/22/2013

Top chord 2x4 SP #1 12A : T2 2x6 SP #1 Dense 12A:

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

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

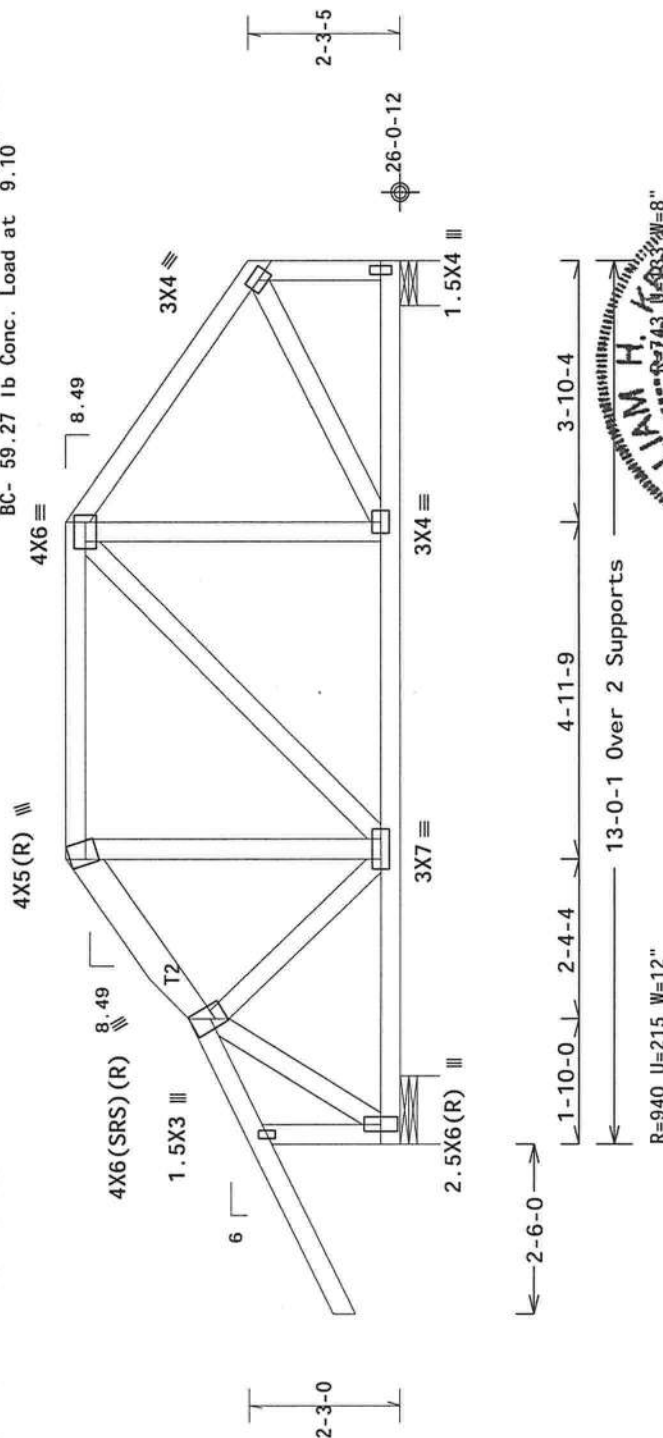
120 mph wind, 29.06 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

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

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



PLT TYP. Wave

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

★

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

PROBLEM WILL BE FOR ALL COURSEWORK. STUDYING AND READING FOR

Trusses, require extreme care in fabricating, shipping, installing and bracing. Trusses shall be braced in accordance with the design drawings and shall allow the latest edition of BCSP (Building Component Safety Information, by TPI and WIGA) practices prior to performing these functions. Installers shall provide temporary bracing and shoring to support the trusses until the permanent bracing is installed. Trusses shall have a properly attached rigid ceiling. Locations for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 and B19, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from this drawing. ITWBCG shall be responsible for any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installation or erection details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. Please contact ITWBCG for more information see: ANSI/TPI 1 Sec.2. ITWBCG website: www.itwbcg.com. E-mail: seal@itwbcg.com, webmaster@itwbcg.com, www.itscfaa.org.

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

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R9114- 81614
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022040
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	97003
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

	Top	chord	2x4	SP_#1	12A
Bot	chord	2x4	SP_#1	12A	
	Webbs	2x4	SP_#3	12A	

120 mph wind, 30.06 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

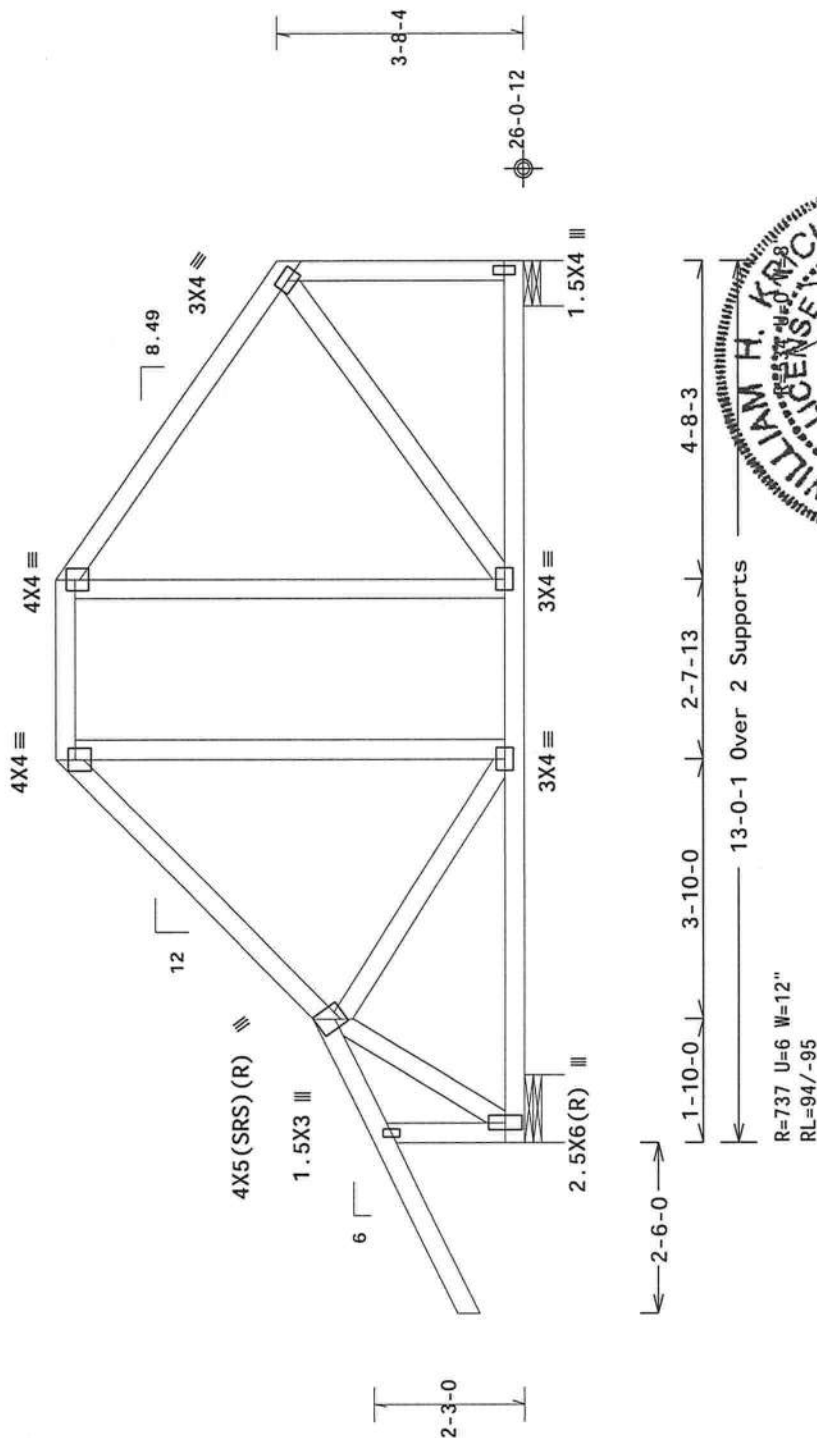
Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

Right end vertical not exposed to wind pressure.

MMWFRS loads based on trusses located at least 30.06 ft. from roof edge.



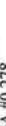
PIT TYP. Wave

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

Scale = .375"/Ft.

TC LL	20.0	PSF	REF R9114- 81615
TC DL	10.0	PSF	DATE 01/22/13
BC DL	10.0	PSF	DRW HCUSR9114 13022041
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 97004
DUR.FAC.	1.25		FROM SDY
SPACING	24.0"		JREF- 1UT39114Z04

01/22/2013

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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R25)

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

120 mph wind, 31.03 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

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

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

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

These support conditions used at bearings indicated (H1) = Simpson LUS24 w/ (1)2x6 SP_#1_Dense_12A supporting member. (4) 0.148"x3" nails into supporting member, (2) 0.148"x3" nails into supported member.

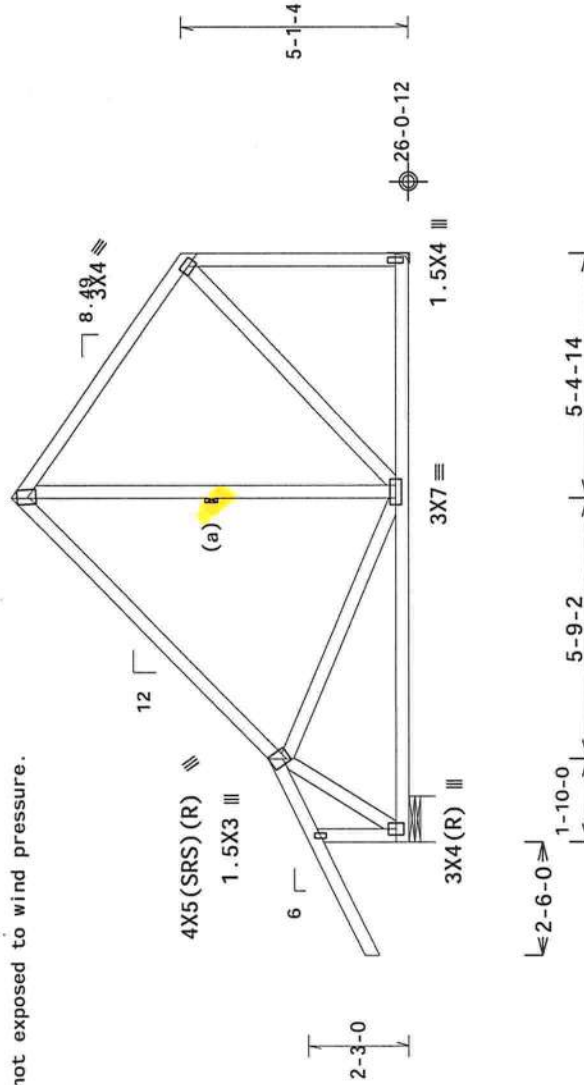
(a) Continuous lateral bracing equally spaced on member.

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

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

MWFRS loads based on trusses located at least 31.03 ft. from roof 4X5(R) III

Right end vertical not exposed to wind pressure.



1-10-0 5-9-2 5-4-14
13-0-1 Over 2 Supports
R=743 U=0 W=12"
RL=123/-115

PLT TYP. Wave

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

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R9114- 81616
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022042
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97005
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

William H. Krick
Professional Engineer
No. 70861
10.03.11.0209.19
01/22/2013

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and 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 restraint of trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint. ITWBCG shall not be responsible for any deviation from this 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: ITW-BCG; www.itwbcg.com; TPI: www.tpiinc.org; WCA: www.abcdindustry.com; IBC: www.iccsafo.org

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

120 mph wind, 31.44 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

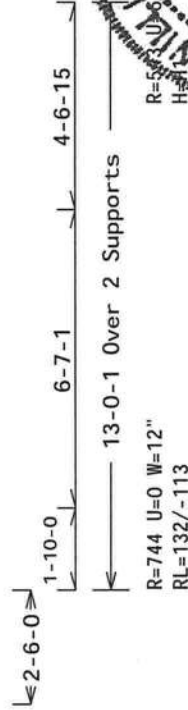
Wind loads and reactions based on MWFRS with additional C&C member design.

These support conditions used at bearings indicated
(H1) = Simpson LUS24 w/ (1)2x6 SP #1 Dense 12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

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

4X5(R) III

◀ ▶



R=744 U=0 W=12"
RL=132/-113

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

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Roofers should follow the latest edition of BCSI (Building Component Safety Information) by TPI and WITCA for bracing practices prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's instructions. Coped and notched trusses properly installed and braced shall be capable of supporting the design loads for the intended lateral restraint of the roof system. Trusses shall be 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 accordance with AISI/TPI 1st 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-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building design engineer. Please refer to AISI/TPI Sec. 2 for more information on seal. ITWBCG: www.itwbcg.com, TPI: www.tpi.net, WCA: www.wca-usa.com, ICS: www.icsusa.org

FL/-/5/-/-/R/-
Scale = .25"/Ft.

TC LL	20.0 PSF	REF R9114- 81617
TC DL	10.0 PSF	DATE 01/22/13
BC DL	10.0 PSF	DRW HCU8R9114 13022043
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 97006
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

01/22/2013

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

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

120 mph wind, 31.85 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

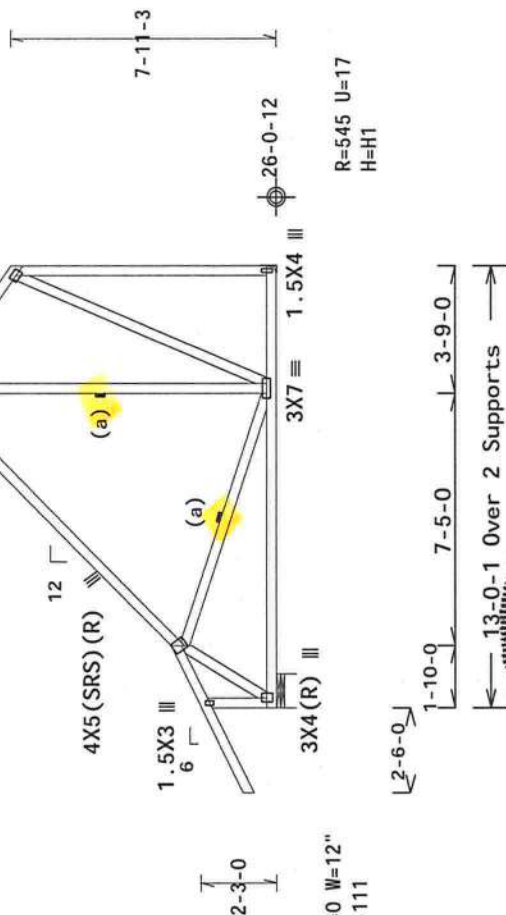
These support conditions used at bearings indicated

(4) 0.148" x3" nails into supporting member,
(2) 0.148" x3" nails into supported member.

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

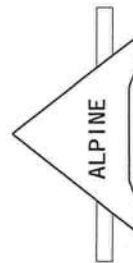
4X6(R) III

$3 \times 4 \equiv$



R=745 U=0 W=12"
RL=141/-111

R=545 U=17
H=H1

Design Crit: FBC2010Res/TPI-2007(STP)
 $ET/RT=20\%(0\%)/10(0)$ 

TW 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. Follow the proper edition of BESI (Building Components Safety Information) by IPI and WIGA for all trusses. Truss fabricators shall provide company bracing and erection drawings for each truss. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BESI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (NYSE: IBC) shall not be responsible for any deviation from this drawing or specification. The user assumes full responsibility for the safe use of the product. In the event of any structural failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or erection details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec. 2. For more information see: ITW-Building Components Group Inc., P.O. Box 790, Waukegan, IL 60087-0790. Tel: 815/491-1000; Fax: 815/491-1001; E-mail: sales@itwbc.com; Web: www.itwbc.com

Design Crit: FBC2010Res/TPI-2007(STP)
 $ET/RT=20\%(0\%)/10(0)$

17.02.09.19

FL/-/5/-/-/R/-

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF R9114- 81618
TC DL	10.0	PSF	DATE 01/22/13
BC DL	10.0	PSF	DRW HCUSR9114 13022044
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 97007
DUR.FAC.	1.25		FROM SDY
SPACING	24.0"		JREF- 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R28)

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

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

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(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 16.45 ft. from roof edge.

Right end vertical not exposed to wind pressure.

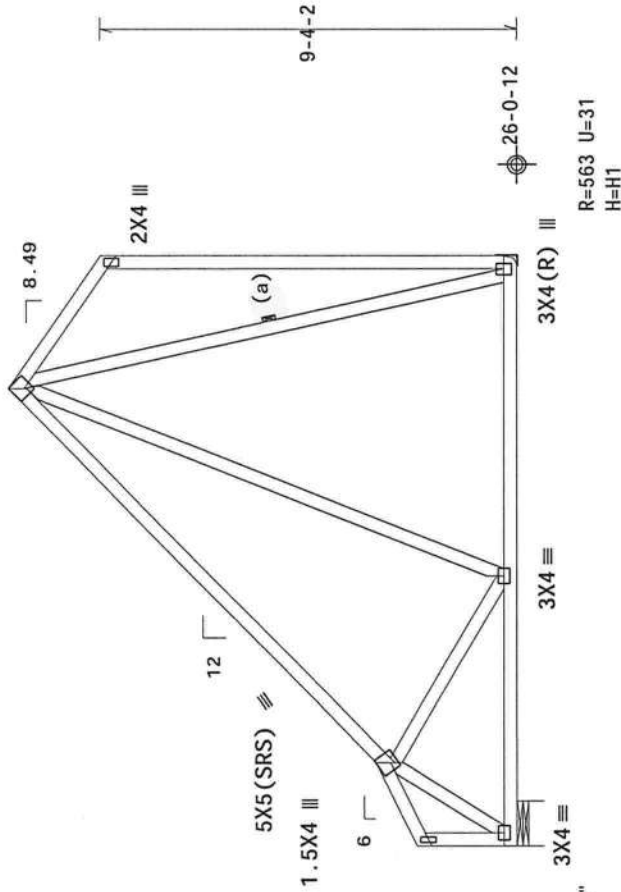
120 mph wind, 32.89 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

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

These support conditions used at bearings indicated
(H1) = Simpson LUS24 w/ (1)2x6 SP_#1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

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

5X5(R1) #



PLT TYP. Wave

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

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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Prior to and during installation, the installer shall follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) 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 trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details. Trusses are not to be used for any other purpose than intended. 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.tpi.net.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R9114- 81619
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022045
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97008
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

120 mph wind, 31.35 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

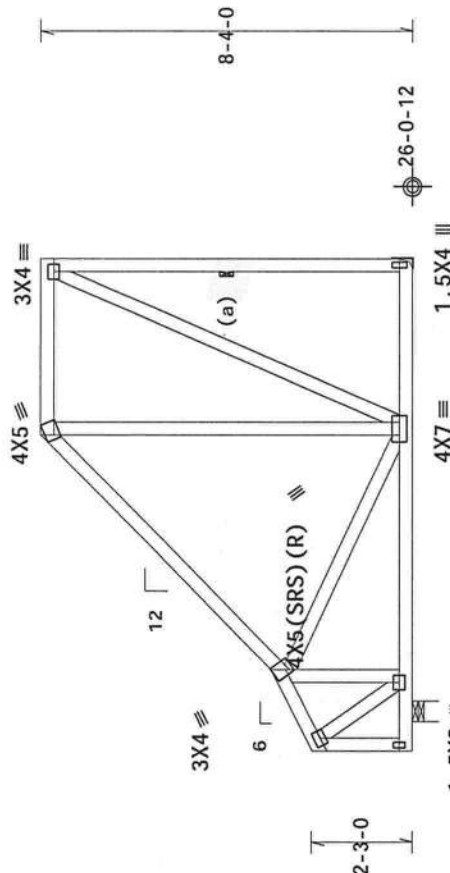
Wind loads and reactions based on MWFRS.

These support conditions used at bearings indicated
(H1) = Simpson LU26 w/ (2)2x8 SP_#1_Dense_12A supporting member.
(6) 0.162"x3.5" nails into supporting member,

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

#1 hip supports 7-0-0 jacks with no webs.

Right end vertical not exposed to wind pressure.



1-10-0 5-2-0 3-10-8

————— 16'-10"-8" OVERALL SUPPORTS ———→

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

Scale = 25"/ft

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

IMPORTANT: POINT-TO-POINT DISTANCE TO ALL COMPONENTS INCLUDING TRUSS MEMBERS. 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 detailed bracing instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI sections 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, B183, B184, B185, B186, B187, B188, B189, B190, B191, B192, B193, B194, B195, B196, B197, B198, B199, B200, B201, B202, B203, B204, B205, B206, B207, B208, B209, B210, B211, B212, B213, B214, B215, B216, B217, B218, B219, B220, B221, B222, B223, B224, B225, B226, B227, B228, B229, B230, B231, B232, B233, B234, B235, B236, B237, B238, B239, B240, B241, B242, B243, B244, B245, B246, B247, B248, B249, B250, B251, B252, B253, B254, B255, B256, B257, B258, B259, B260, B261, B262, B263, B264, B265, B266, B267, B268, B269, B270, B271, B272, B273, B274, B275, B276, B277, B278, B279, B280, B281, B282, B283, B284, B285, B286, B287, B288, B289, B290, B291, B292, B293, B294, B295, B296, B297, B298, B299, B300, B301, B302, B303, B304, B305, B306, B307, B308, B309, B310, B311, B312, B313, B314, B315, B316, B317, B318, B319, B320, B321, B322, B323, B324, B325, B326, B327, B328, B329, B330, B331, B332, B333, B334, B335, B336, B337, B338, B339, B340, B341, B342, B343, B344, B345, B346, B347, B348, B349, B350, B351, B352, B353, B354, B355, B356, B357, B358, B359, B360, B361, B362, B363, B364, B365, B366, B367, B368, B369, B370, B371, B372, B373, B374, B375, B376, B377, B378, B379, B380, B381, B382, B383, B384, B385, B386, B387, B388, B389, B390, B391, B392, B393, B394, B395, B396, B397, B398, B399, B400, B401, B402, B403, B404, B405, B406, B407, B408, B409, B410, B411, B412, B413, B414, B415, B416, B417, B418, B419, B420, B421, B422, B423, B424, B425, B426, B427, B428, B429, B430, B431, B432, B433, B434, B435, B436, B437, B438, B439, B440, B441, B442, B443, B444, B445, B446, B447, B448, B449, B450, B451, B452, B453, B454, B455, B456, B457, B458, B459, B460, B461, B462, B463, B464, B465, B466, B467, B468, B469, B470, B471, B472, B473, B474, B475, B476, B477, B478, B479, B480, B481, B482, B483, B484, B485, B486, B487, B488, B489, B490, B491, B492, B493, B494, B495, B496, B497, B498, B499, B500, B501, B502, B503, B504, B505, B506, B507, B508, B509, B510, B511, B512, B513, B514, B515, B516, B517, B518, B519, B520, B521, B522, B523, B524, B525, B526, B527, B528, B529, B530, B531, B532, B533, B534, B535, B536, B537, B538, B539, B540, B541, B542, B543, B544, B545, B546, B547, B548, B549, B550, B551, B552, B553, B554, B555, B556, B557, B558, B559, B560, B561, B562, B563, B564, B565, B566, B567, B568, B569, B570, B571, B572, B573, B574, B575, B576, B577, B578, B579, B580, B581, B582, B583, B584, B585, B586, B587, B588, B589, B590, B591, B592, B593, B594, B595, B596, B597, B598, B599, B600, B601, B602, B603, B604, B605, B606, B607, B608, B609, B610, B611, B612, B613, B614, B615, B616, B617, B618, B619, B620, B621, B622, B623, B624, B625, B626, B627, B628, B629, B630, B631, B632, B633, B634, B635, B636, B637, B638, B639, B640, B641, B642, B643, B644, B645, B646, B647, B648, B649, B650, B651, B652, B653, B654, B655, B656, B657, B658, B659, B660, B661, B662, B663, B664, B665, B666, B667, B668, B669, B670, B671, B672, B673, B674, B675, B676, B677, B678, B679, B680, B681, B682, B683, B684, B685, B686, B687, B688, B689, B690, B691, B692, B693, B694, B695, B696, B697, B698, B699, B700, B701, B702, B703, B704, B705, B706, B707, B708, B709, B710, B711, B712, B713, B714, B715, B716, B717, B718, B719, B720, B721, B722, B723, B724, B725, B726, B727, B728, B729, B730, B731, B732, B733, B734, B735, B736, B737, B738, B739, B740, B741, B742, B743, B744, B745, B746, B747, B748, B749, B750, B751, B752, B753, B754, B755, B756, B757, B758, B759, B760, B761, B762, B763, B764, B765, B766, B767, B768, B769, B770, B771, B772, B773, B774, B775, B776, B777, B778, B779, B780, B781, B782, B783, B784, B785, B786, B787, B788, B789, B790, B791, B792, B793, B794, B795, B796, B797, B798, B799, B800, B801, B802, B803, B804, B805, B806, B807, B808, B809, B810, B811, B812, B813, B814, B815, B816, B817, B818, B819, B820, B821, B822, B823, B824, B825

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
813-281-1000

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. The responsibility for the design shall remain with 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: wtpi@tpi.net; WTCA: www.stclintdun.com. This job's general notes page: ITW-BCG; www.itwbcg.com; TPI: wtpi@tpi.net; WTCA: www.stclintdun.com.

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

TC LL	20.0	PSF	REF	R9114- 81620
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022046
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	97009
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails

Top Chord: 1 Row @ 7.00" o.c.

Top Chord: 1 Row @ 7.00" o.c.
Bot Chord: 1 Row @ 12.00" o.c.

Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

use equal spacing between rows in each row to avoid splitting.

(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON THE TOP CHORD ONLY.

End verticals not exposed to wind pressure.

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

120 mph wind, 33.58 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS.

hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

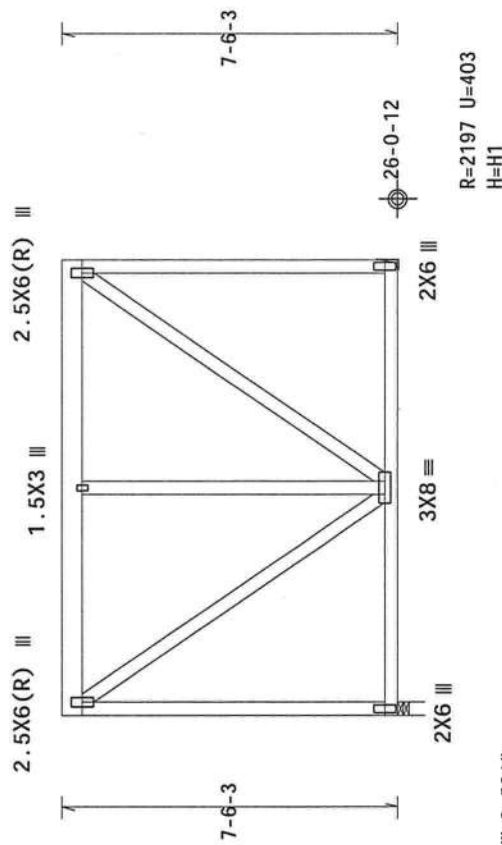
These support conditions used at bearings indicated
(H1) = Simpson HHUS26-2 w/ (2)2x8 SP #1 Dense 12A supporting member.
(14) 0.162"x3.5" nails into supporting member,
(4) 0.162"x3.5" nails into supported member.

Girder supports 20-2-0 span to TC one face and 2-0-0 span to TC/BC split opposite face.

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

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



R=2197 U=403 W=3 501"

R=2197 U=403
H=H1

Over 2 Supports

PI T TYP Wave

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

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

Trussess require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) information, by TPI and WTCFA for detailed requirements prior to performing these functions. Installers shall provide temporary bracing per BCSI sections 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1

TW Building Components Group Inc. (TWBC) shall not be responsible for any deviation from this document. It would be the responsibility of the user to ensure that the application of the components meets all applicable building codes. Apply plates to each face of truss and position as shown above and on the Joint Details, unless otherwise noted. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the sole responsibility of the Building Designer per ANSI/HPS-1 Sec.2. For more information see: General notes page: TW-BCC; Web site: <http://www.twinc.com>; TWCA: www.sdc-industries.com

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

Scale = 25"/Ft+

FI / - / 5 / - / - / R / -

19 03 11 0209 19

OFF R9114- 81621

DATE 01/20/10

DATE 01/22/13

ORW HCUSR9114 13022047

HC-ENG WHK/WHK

SEQN- 97010

FROM SPY

REF- 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R32)

Top	chord	2x4	SP_#1	12A
Bot	chord	2x4	SP_#1	12A
	Webbs	2x4	SP_#3	12A

120 mph wind, 31.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

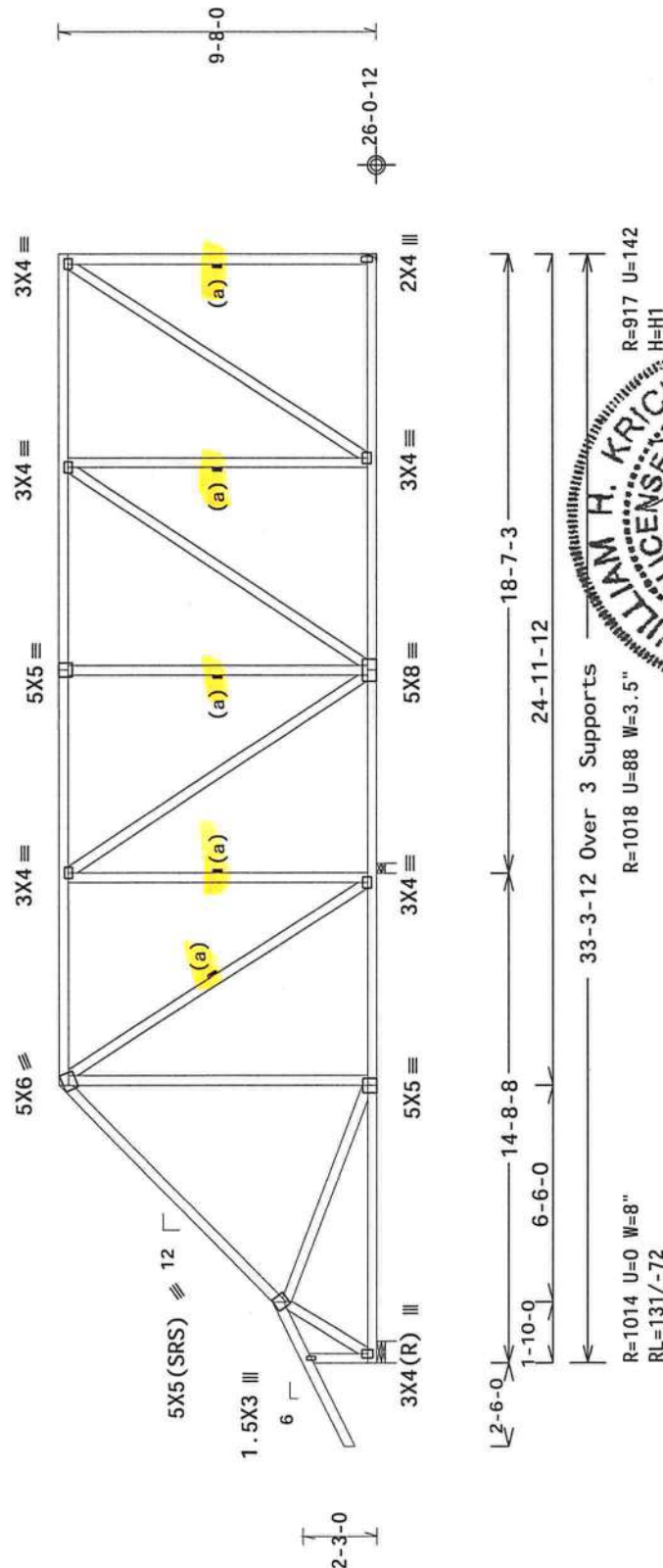
End verticals not exposed to wind pressure.

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

(a) Continuous lateral bracing equally spaced on member.

MWFRS loads based on trusses located at least 31.40 ft. from roof edge.

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



PLT TYP. Wave

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R9114- 81622
TC DL	10.0 PSF	DATE 01/22/13
BC DL	10.0 PSF	DRW HCUSR9114 13022213
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 97011
DUR. FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. To avoid the latest edition of BCSI Building Component Safety Information, by TPI and WCA, visit www.bcsinfo.com. Installers shall provide temporary bracing per the manufacturer prior to performing these functions. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWBCG) shall be responsible for any deviation from this drawing. The manufacturer shall retain the responsibility for the structural integrity of the installation. ITW Building Components Group Inc. (TWBCG) shall be responsible for any deviation from this drawing. The manufacturer shall retain the responsibility for the structural integrity of the installation. ITW Building Components Group Inc. (TWBCG) shall be responsible for any deviation from this drawing. The manufacturer shall retain the responsibility for the structural integrity of the installation.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
 FL COA #0278

Top	chord	2x4	SP_#1	12A
Bot	chord	2x4	SP_#1	12A
	Webbs	2x4	SP_#3	12A

120 mph wind, 31.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Lumber grades designated with "12A" use design values approved 11/5/2012 by ALSC.

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

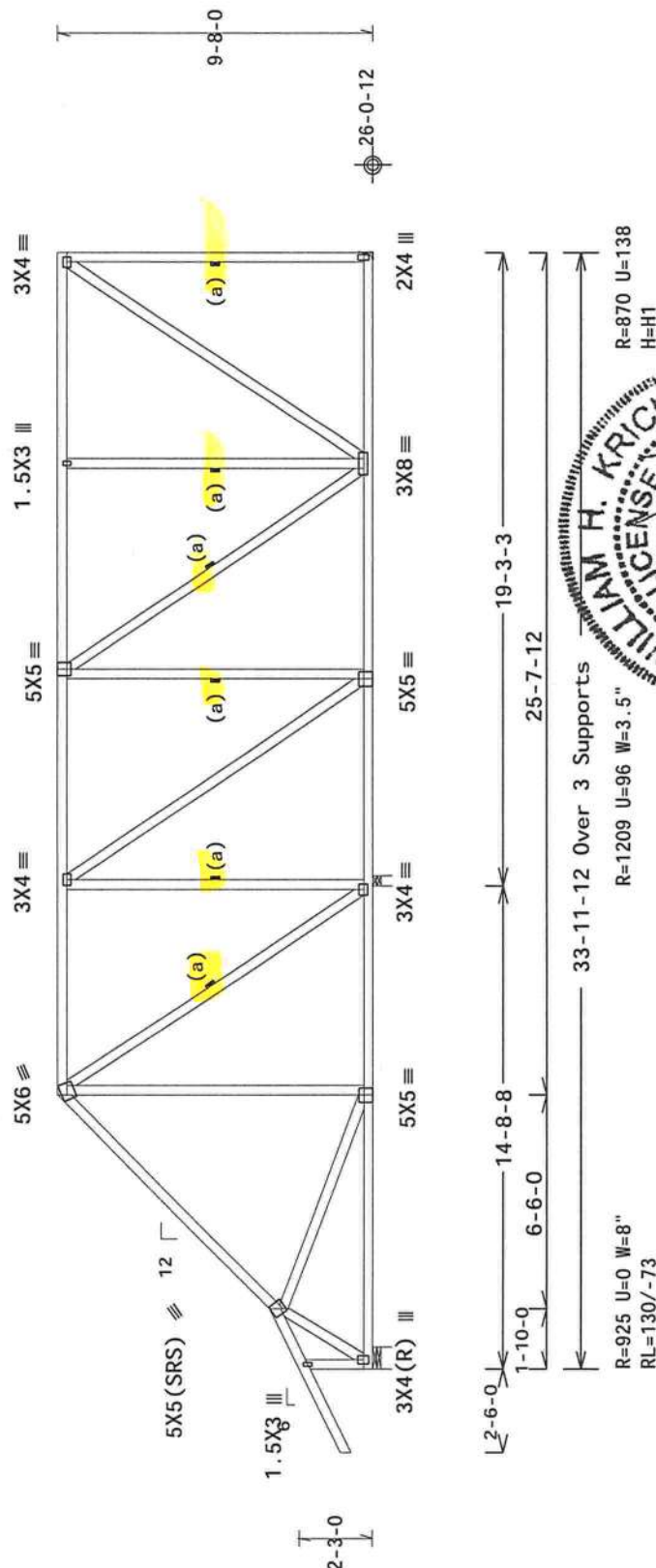
End verticals not exposed to wind pressure.

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

(a) Continuous lateral bracing equally spaced on member.

MMWFRS loads based on trusses located at least 31.40 ft. from roof edge.

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



PLT TYP. Wave

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

Scale = .1875"/Ft.

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

R9114- 81623

Trusses require extreme care in fabricating, handling, shipping, installing and erecting. The manufacturer shall provide complete instructions for erection and follow the latest edition of BCSP (Building Component Safety Information, by International Building Code) specifications. Installers shall provide temporary bracing during erection. Trusses shall have a properly attached structural steel chord having a properly attached rigid ceiling. Locations shown for permanent bracing shall have bracing installed per BCSP sections B3, B7 or B10, applicable.

TC DL	10.0 PSF
BC DL	10.0 PSF

ITW Building Components Group Inc. (TWBCG) shall not be responsible for any structural failure to build the truss in conformance with ANSI/TPI 1, or for handling or bracing of trusses. Apply plates to each face of truss and position as shown on drawings. Do not alter details, unless noted otherwise. Refer to drawings 160A-Z for standard plate framing and cover page listing this drawing. Indicates acceptance of professional responsibility solely for the design shown. The suitability and use of this information is the responsibility of the building designer. **ANSI/TPI 1** Sec. 2. WTCA (TWBCG) Building Designer: TPI: www.tpiinc.org WTCA CC: www.icsafe.org

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

HC-ENG WHK/WHK
SEQN- 97012
FROM SDY
REF- 1UT39114Z04

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

120 mph wind, 31.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18

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

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

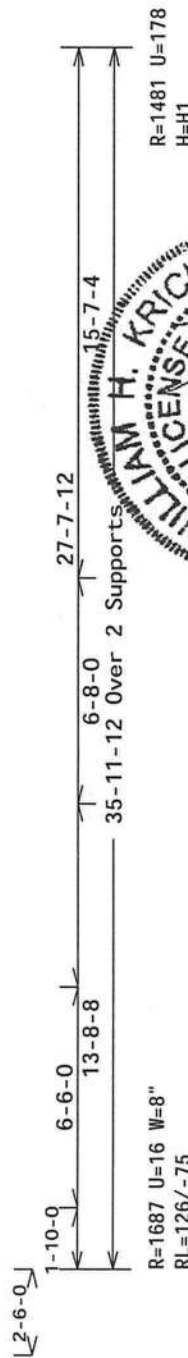
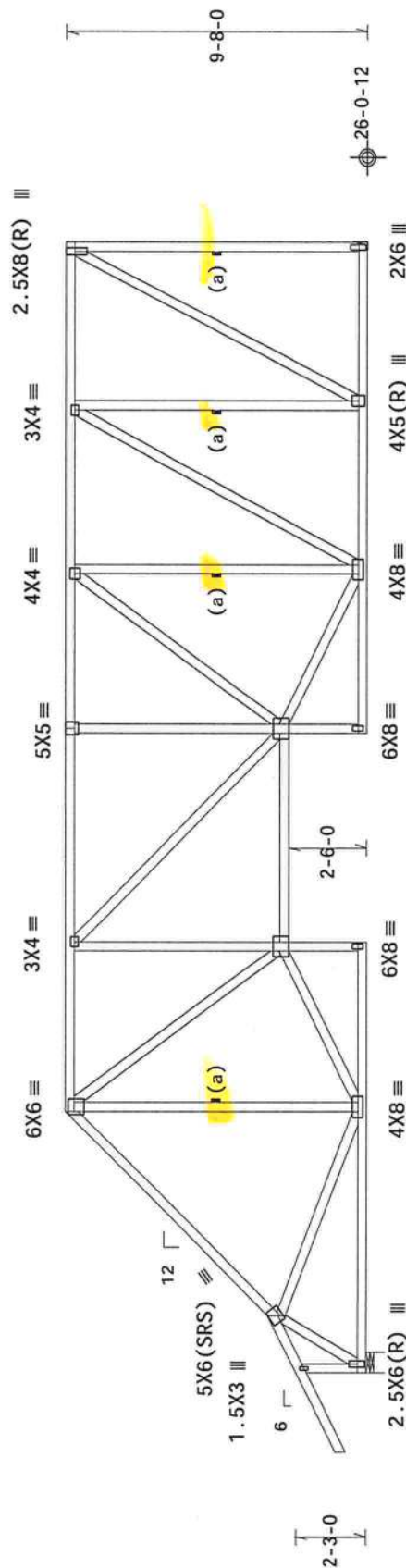
End verticals not exposed to wind pressure.

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

(a) Continuous lateral bracing equally spaced on member.

MWFRS loads based on trusses located at least 31.40 ft. from roof edge.

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



PLT TYP. Wave

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

Scale = .1875"/Ft.

ALPINE

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

120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R33

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

120 mph wind, 31.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18

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

End verticals not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

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 31.40 ft. from roof edge.

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

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

Scale = .1875"/Ft.

PLT TYP. Wave

ALPINE

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

120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R33

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

120 mph wind, 31.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18

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

End verticals not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

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 31.40 ft. from roof edge.

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

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

Scale = .1875"/Ft.

PLT TYP. Wave

ALPINE

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



REF	R9114- 81624
DATE	01/22/13
DRW	HCSR9114 13022215
HC-ENG	WHK/WHK
SEQN-	97013
FROM	SDY
JREF-	1UT39114Z04

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

120 mph wind, 31.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

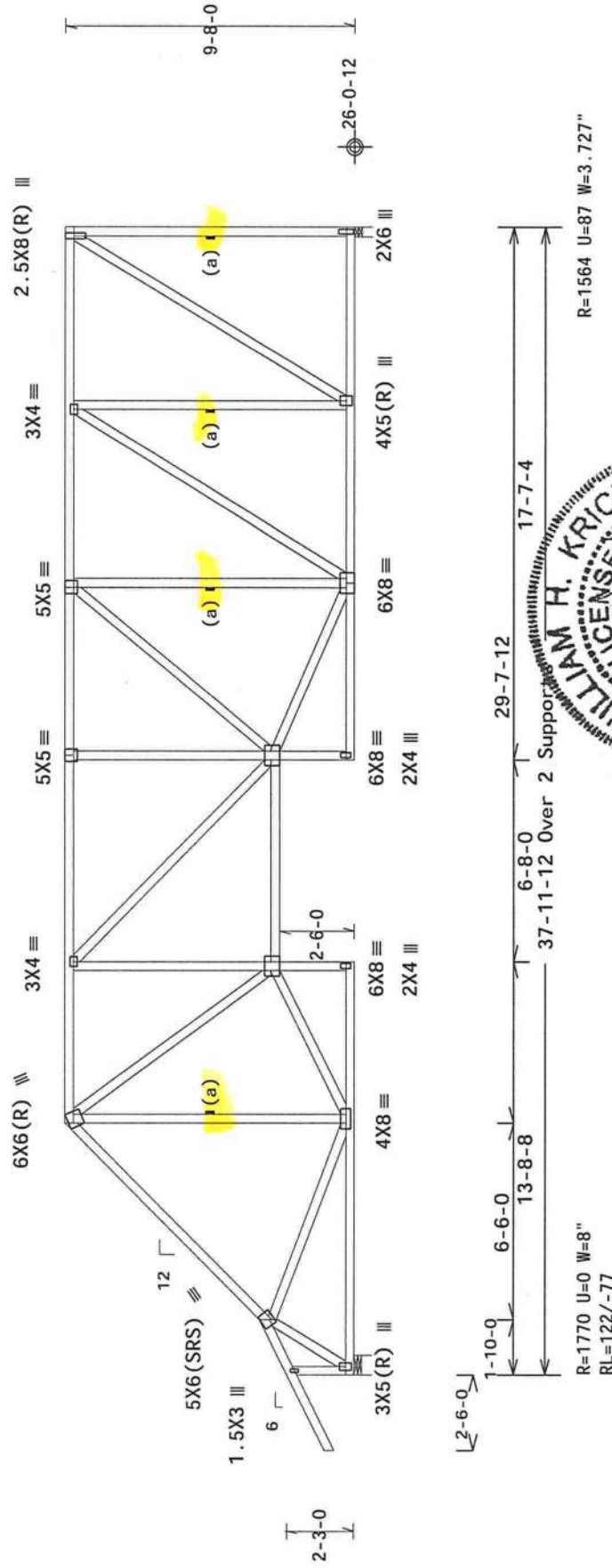
Bottom chord checked for 10.00 psf non-concurrent live load.

(a) Continuous lateral bracing equally spaced on member.

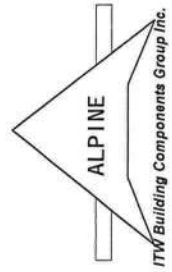
MWFRS loads based on trusses located at least 31.40 ft. from roof edge.

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

Right end vertical not exposed to wind pressure.



PLT TYP.: Wave



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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses shall be braced in accordance with the design drawings and the following shall follow the latest edition of BCSP (Building Component Safety Information, by TPI and WTA) practices prior to performing these functions. Installers shall provide temporary bracing post, 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 BCSP sections 83, 9 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing. The user of this drawing shall be responsible for the design and construction of the building. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses, apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WPCA: www.sacindustry.com.

FL/-/5/-/-/R/-	Scale = .1875"/Ft.
TC LL 20.0 PSF	REF R9114- 81625
TC DL 10.0 PSF	DATE 01/22/13
BC DL 10.0 PSF	DRW HCUSR9114 13022048
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT. LD. 40.0 PSF	SEQN- 97014
DUR. FAC. 1.25	FROM SDY
SPACING 24.0"	JREF- 1UT39114Z04

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

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

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

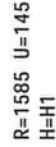
Roof overhang supports 2.00 psf soffit load.

(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 31.73 ft. from roof edge.

These support conditions used at bearings indicated
(HT) = Simpson LUS24 w/ (2)2x6 SP_#1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

Design Crit: $\text{FBC2010Res}/\text{TPI}-2007(\text{STG})$
 $\text{FT}/\text{RT}=20\%(0\%)/10(0)$

Scale = .1875"/Ft.

TC	DI	10	0	DCE
1	1	1	1	1
1	0	1	0	1
0	1	0	1	1
0	0	0	0	1
1	1	1	1	0
1	0	1	0	0
0	1	0	1	0
0	0	0	0	0

	DL	F3F
10.0	2	6
9.0	2	5
8.0	2	4
7.0	2	3
6.0	2	2
5.0	2	1
4.0	2	0
3.0	2	0
2.0	2	0
1.0	2	0
0.0	2	0

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR. FAC. 1.25

SPACING 24.0"

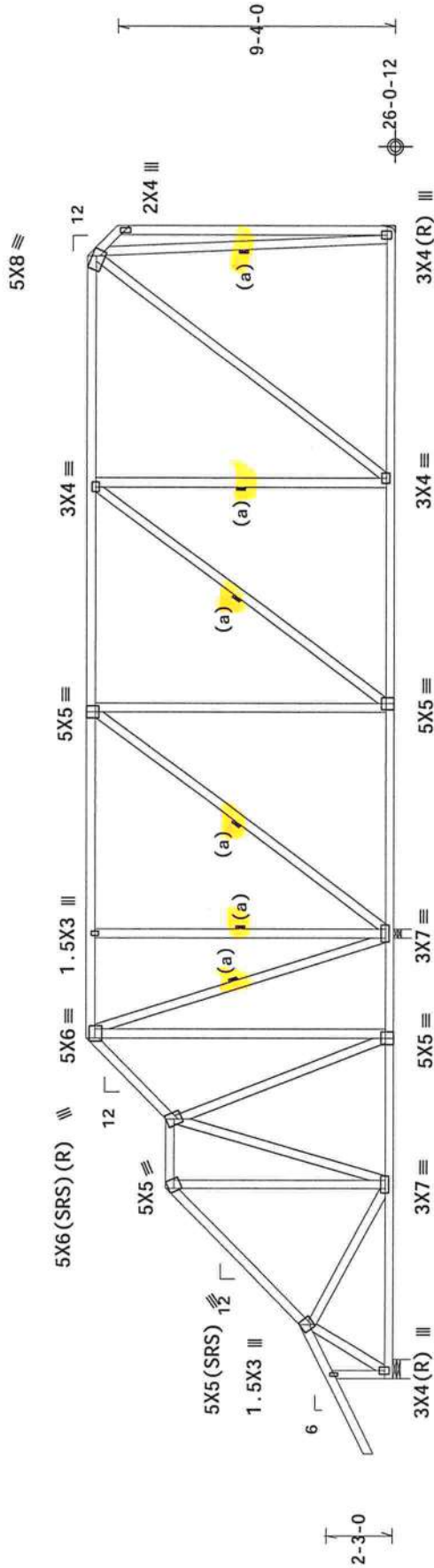
120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

(a) Continuous lateral bracing equally spaced on member.

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

These support conditions used at bearings indicated
(H1) = Simpson LUS24 w/ (2)2x6 SP_#1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.



2'-6-0" 1'-10-0" 4'-6-0" 2'-4-0" 14'-8-8" 2'-8-0" 23'-7-8" 1'-0-0" 26'-0-0" 38'-4-0" Over 3 Supports

R=721 U=0 W=8"

R=1867 U=154 W=3.5"

R=871 U=85

WILLIAM H. KRICK
LICENSED

Design Crit: FBC2010Res/TPI-2007(ST)

Scale = .1875"/Ft.

ALPINE

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information) by TPI and WTCFA for best practices 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 trusses shall have bracing installed per BCSP sections 83, 97 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, specification or detail if such deviation is in accordance with AISI/TPI 1-1, or for handling, shipping, installation, erection or bracing of trusses. Apply please. 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 per AISI/TPI 1 Sec.2. For more information see: This Job's ITW-660; www.tlccsae.org; TPI: www.tlccsae.org; WTCFA: www.tlccsae.org; ITW: www.tlccsae.org

REF R9114- 81627	TC LL	20.0 PSF	
DATE 01/22/13	TC DL	10.0 PSF	
DRW HCUSR9114 13022049	BC DL	10.0 PSF	
HC-ENG WHK/WHK	BC LL	0.0 PSF	
SEQN- 97016	TOT.LD.	40.0 PSF	
FROM SDY	DUR.FAC.	1.25	
JREF- 1UT39114Z04	SPACING	24.0"	

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

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

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS.

These support conditions used at bearings indicated
(H1) = Simpson LUS24 w/ (2) 2x6 SP #1 Dense 12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

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

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

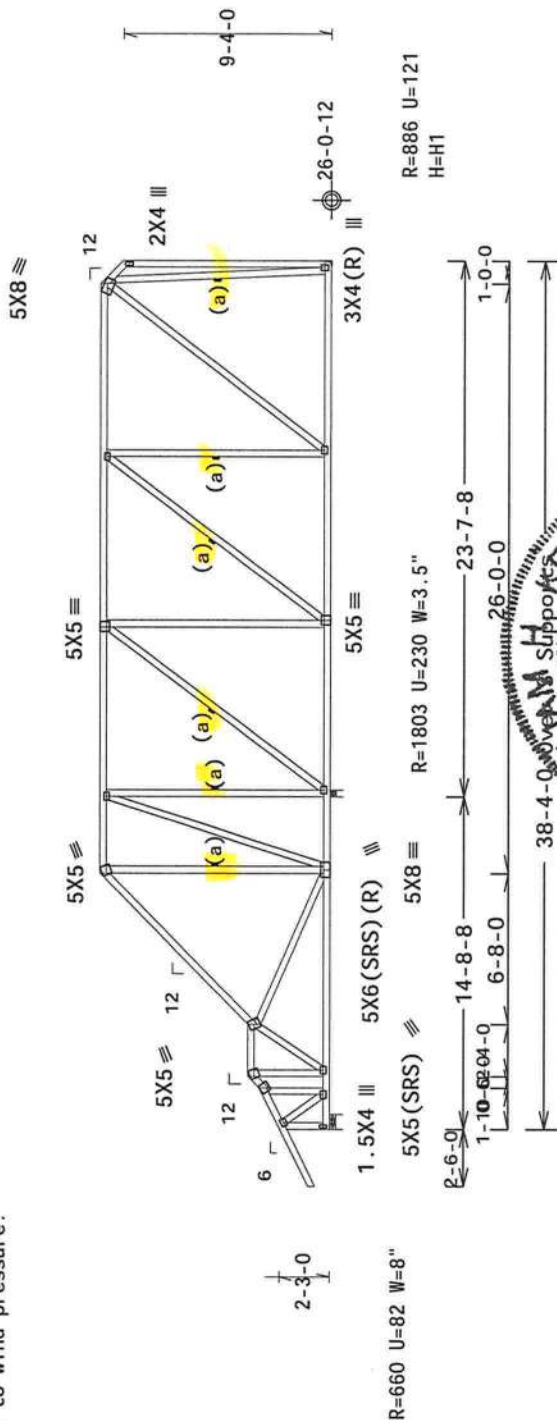
Right end vertical not exposed to wind pressure.

Special loads

-----Lumber		Dur. Fac.=1.25 / Plate		Dur. Fac.=1.25	
TC-	From	62	plf at -2.50 to	62	plf at 1.83
TC-	From	68	plf at 1.83 to	68	plf at 2.33
TC-	From	62	plf at 2.33 to	62	plf at 4.66
TC-	From	68	plf at 4.67 to	68	plf at 11.33
TC-	From	62	plf at 11.33 to	62	plf at 22.20
TC-	From	62	plf at 22.20 to	62	plf at 37.33
TC-	From	68	plf at 37.33 to	68	plf at 38.33
BC-	From	4	plf at -2.50 to	4	plf at 0.00
BC-	From	20	plf at 0.00 to	20	plf at 11.48
BC-	From	20	plf at 11.48 to	20	plf at 22.49
BC-	From	20	plf at 22.49 to	20	plf at 38.33
TC-	14.73 lb Conc.	Load at 2.33			
BC-	-86.60 lb Conc.	Load at 2.33			

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

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

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. Follow the latest edition of BCSI (Building Component Safety) information, by TPI and WTCA and all applicable building codes and standards. Truss fabricators prior to performing these functions. Installers shall provide temporary bracing pursuant to the BCSI information. Trusses shall be braced in accordance with structural, sheathing and bottom chord bracing information. Trusses shall be braced in accordance with structural sheathing and bottom chord bracing information. Trusses shall have bracing installed per BCSI, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) should be responsible for any deviation from this drawing. If you are unable to build this structure according to the drawings provided by ANSI/TPI, please contact the manufacturer for 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 per ANSI/TPI Sec.2. For more information see: www.itwbcg.com; www.tlwyd.com; wwwpinpoint.com; www.lesgao.com.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

TC LL	20.0	PSF	REF R9114- 81629
TC DL	10.0	PSF	DATE 01/22/13
BC DL	10.0	PSF	DRW HCUSR9114 13022051
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 97018
DUR.FAC.	1.25		FROM SDY
SPACING	24.0"		JREF- 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R39)

Special loads

TC- From	Dur. Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From	62 plf at 0.00 to 62 plf at 1.83
TC- From	68 plf at 1.83 to 68 plf at 7.00
TC- From	62 plf at 7.00 to 62 plf at 18.59
TC- From	62 plf at 18.59 to 62 plf at 24.51
TC- From	62 plf at 24.51 to 62 plf at 36.00
BC- From	20 plf at 0.00 to 20 plf at 7.00
BC- From	20 plf at 7.00 to 20 plf at 18.59
BC- From	20 plf at 18.59 to 20 plf at 24.81
BC- From	20 plf at 24.81 to 20 plf at 36.00
TC- 491.18 lb Conc. Load at 7.02	
TC- 151.72 lb Conc. Load at 9.06, 32.07, 34.07	
BC- 406.72 lb Conc. Load at 7.02	
BC- 161.49 lb Conc. Load at 9.06, 32.07, 34.07	
BC- 2002.78 lb Conc. Load at 30.73	

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

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

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

Right end vertical not exposed to wind pressure.

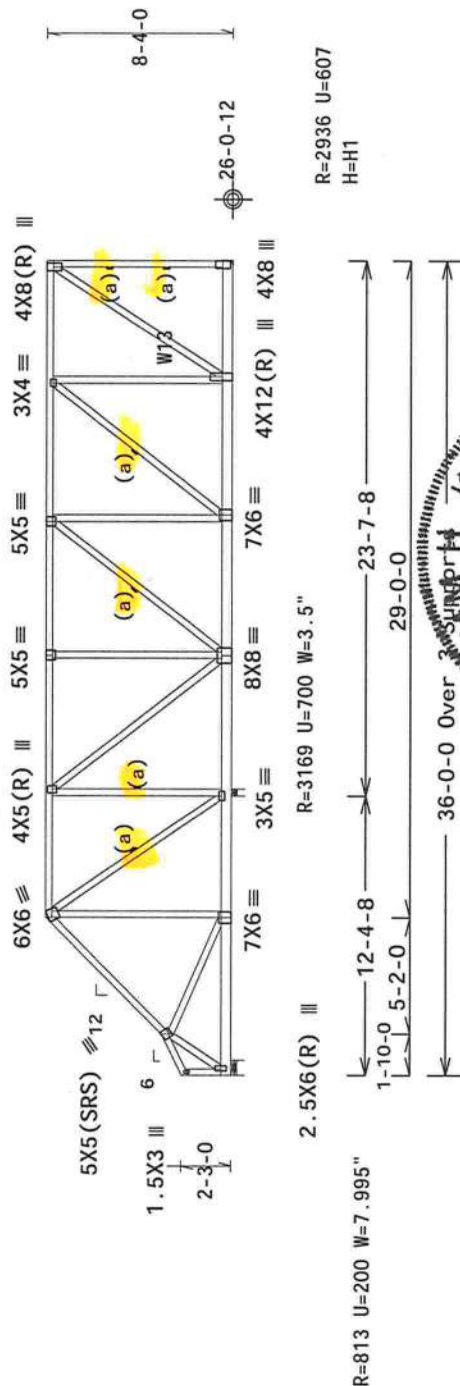
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 31.35 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

These support conditions used at bearings indicated
(H1) = Simpson HUS26 w/ (2)2x6 SP_#1_Dense_12A supporting member.
(14) 0.162"x3.5" nails into supporting member,
(6) 0.162"x3.5" nails into supported member.



PLT TYP. Wave

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

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R9114- 81630
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCSR9114 13022052
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97019
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

****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 specific instructions. The truss manufacturer shall provide temporary bracing and bracing details. The truss manufacturer shall have a properly attached rigid collar. Locations shown for permanent lateral restraining 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 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 structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information, visit the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

ALPINE
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FL COA #0 278

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R40)

Top chord 2x4 SP_#1_12A
Bot chord 2x8 SP_#1_Dense_12A
Webs 2x4 SP_#3_12A

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

120 mph wind, 31.35 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

These support conditions used at bearings indicated (H1) = Simpson HUS26 w/ (1)2x6 SP_#1_Dense_12A supporting member, (14) 0.162"x3.5" nails into supporting member, (4) 0.162"x3.5" nails into supported member.

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

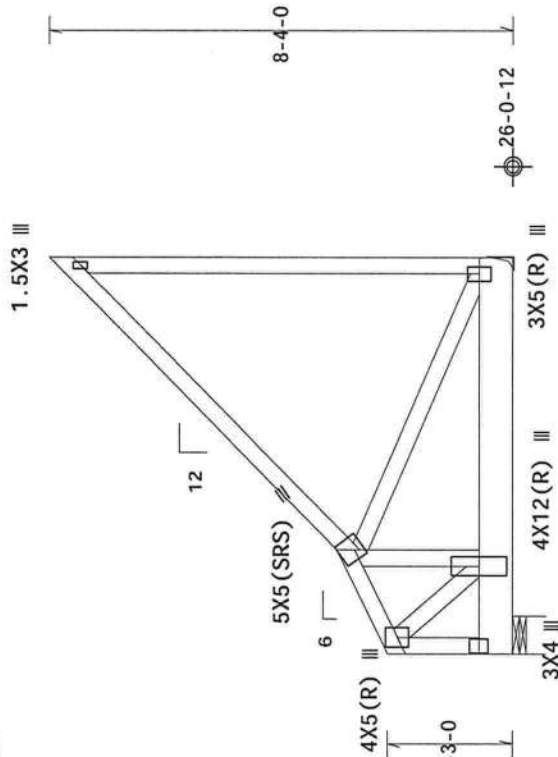
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 62 plf at 0.00 to 62 plf at 1.83
TC- From 68 plf at 1.83 to 68 plf at 7.00
BC- From 20 plf at 0.00 to 20 plf at 2.47
BC- From 10 plf at 2.47 to 10 plf at 7.00
BC- 907.76 lb Conc. Load at 2.47, 4.47, 6.47

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

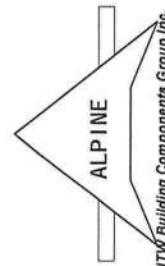


R=1269 U=34 W=8"

R=2016 U=25
H=H1

1-10-0
5-2-0
7-0-0 Over 2 Supports

PLT TYP. Wave



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

Scale = .3125"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WGA) for all practices prior to performing these functions. Installers shall provide temporary bracing per BCSI 100A-2 for all trusses. Trusses shall be properly attached rigid collar. 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 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 this drawing or cover page listing this drawing, indicates acceptance of professional engineering. The responsibility for the design and use of this design for any structure is the responsibility of the Building Component Safety Information (BCSI) and the user of this design. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WGA: www.sbcindustry.com; ICC: www.iccsafe.org

REF	R9114-	81631
DATE	01/22/13	
DRW	HCUSR9114	13022053
HC-ENG	WHK/WHK	
SEQN-	97020	
FROM	SDY	
JREF-	1UT39114Z04	

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

120 mph wind, 33.02 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

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

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

These support conditions used at bearings indicated
(H1) = Simpson LUS26 w/ (1)2x8 SP #1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

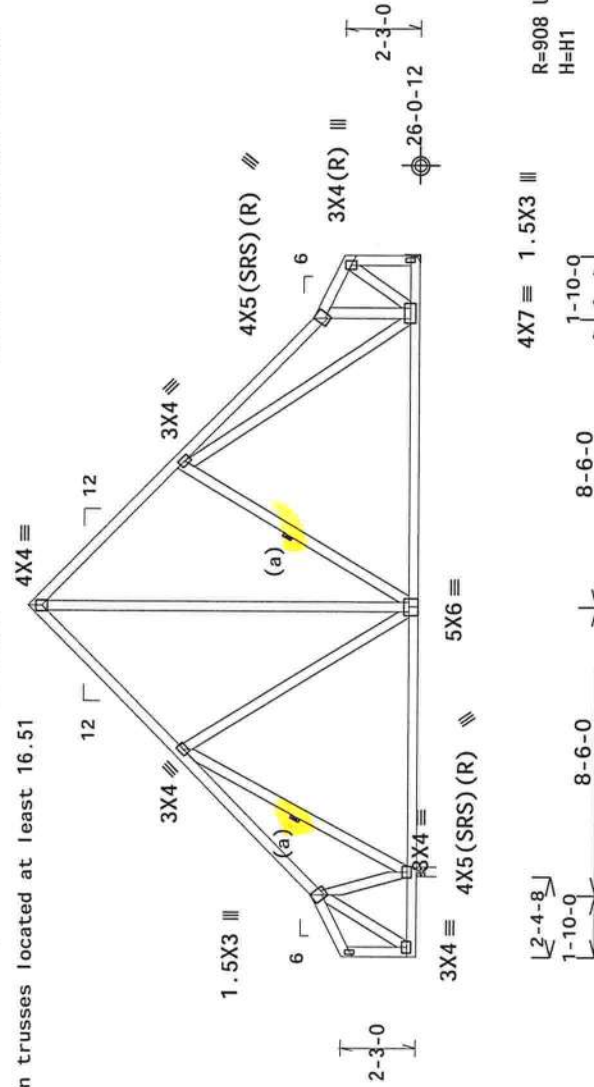
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

(a) Continuous lateral bracing equally spaced on member.

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

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

MWFRS loads based on trusses located at least 16.51 ft. from roof edge.



PLT TYP. Wave

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

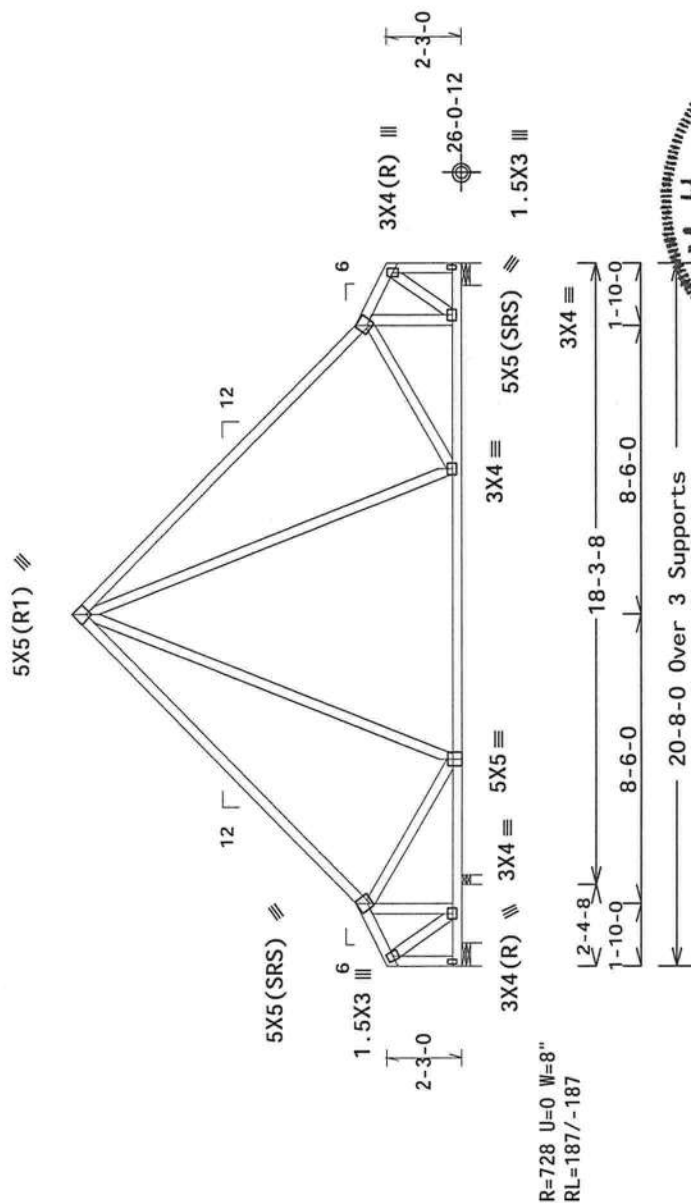
Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R9114- 81632
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022054
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97021
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

****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. Prior to and during erection, the contractor shall follow the erection instructions, by TPI and WTCA, and shall use proper practices prior to performing these functions. Installers shall be trained and experienced. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS1 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, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Plates. Trusses must be installed in accordance with the drawings and specifications. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BGC: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
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Haines City, FL 33844
FL COA #0 278

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



R=198 I=3 W=3 5"

Design Crit: FBC2010Res/TPI-2007(S'D)
FT/RT=20%(0%)/10(0)
QTY: 1 FL/-5/-/-/R/-
Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

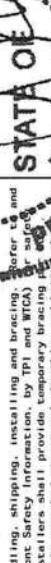
FL COA #0 278

****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 callout to the latest edition of BCSI (Building Components Safety Institute) trussing manual for complete instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design 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 Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. This is not a design for a specific building. This job's general notes pertain: ITW-BDG: www.itwbcg.com; TPI: www.tpi.net.org; WICA: www.abnindustry.com; ICC: www.iccsafe.org



01/22/2013

TC LL	20.0	PSF	REF	R9114- 81633
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 1302055
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0	PSF	SEQN-	97022
DUR. FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

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

120 mph wind, 32.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

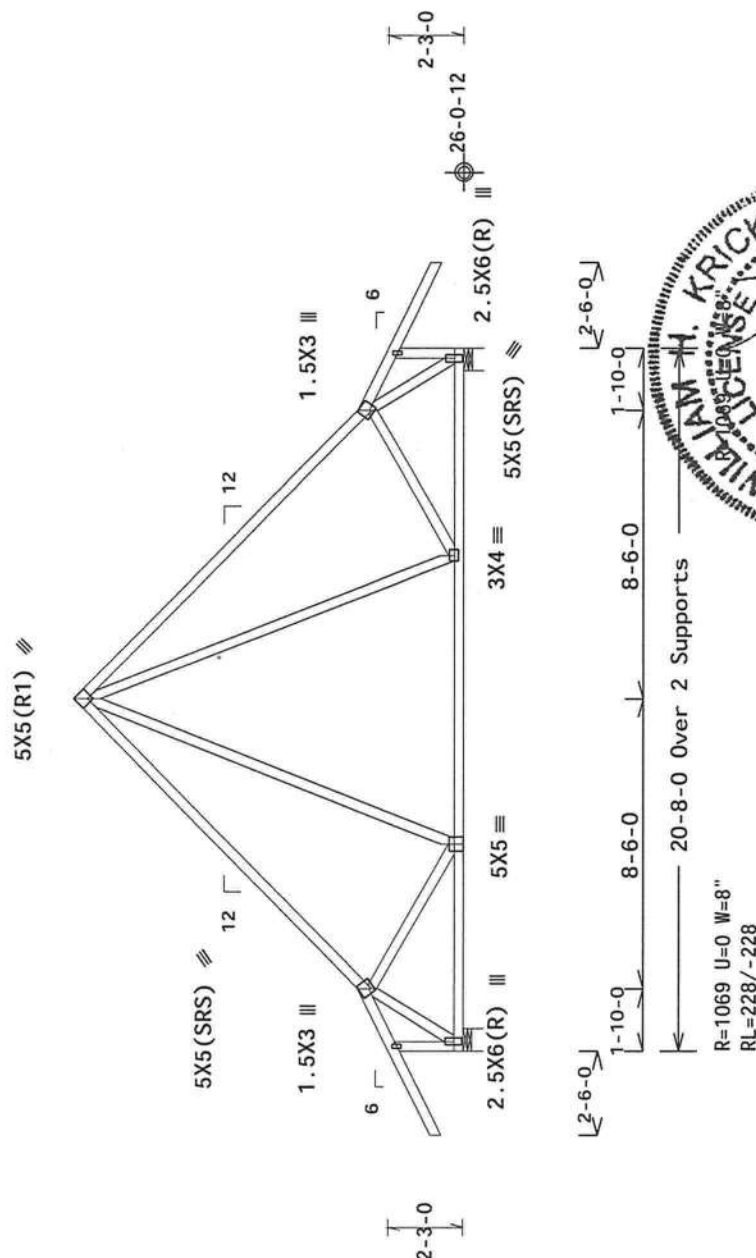
Wind loads and reactions based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

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

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

MWFRS loads based on trusses located at least 16.20 ft. from roof edge.



PLT TYP. Wave

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R9114- 81634
TC DL	10.0 PSF	DATE 01/22/13
BC DL	10.0 PSF	DRW HCUR9114 13022056
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 97023
DUR. FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

01/22/2013

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following instructions and drawings for proper assembly and erection. If you are not familiar with these practices prior to performing these functions, installers shall consult with the manufacturer. ****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses shall have a properly attached rigid soiling. Locations shown for permanent lateral restraint of chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or fabricating 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 covering 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 user. ITW Building Components Group Inc. (ITWBCG) is not responsible for this job's general notes. www.itwbcg.com, www.tpi.net, www.sheildindustry.com, www.1ccsaafe.org

ALPINE

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

2 COMPLETE TRUSSES REQUIRED

Webbs 2x4 SP #3 12A :W8 2x4 SP #1 12A:

Webs 2x4 SP_#3_12A :W8 2x4 SP_#1_12A:

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

Special loads

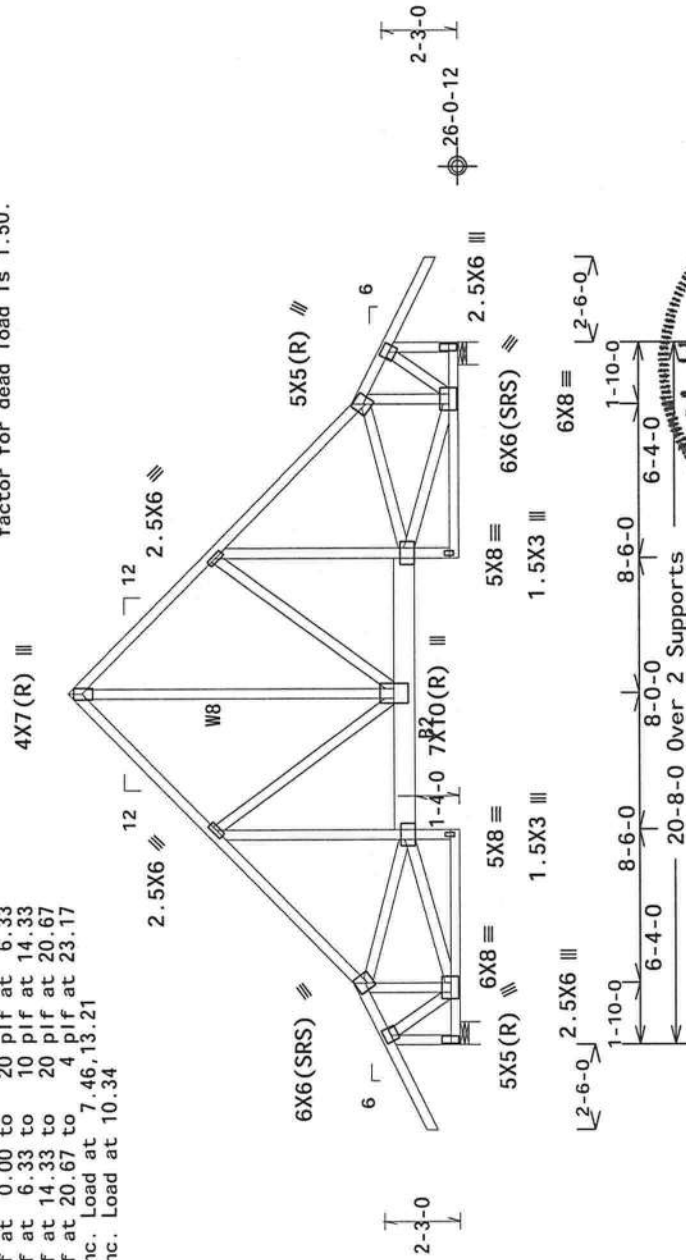
[illegible]

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

120 mph wind, 32.40 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS.

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



R=4397 U=1836 W=7.967"

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STD)

10.03: Np. 628519/ OTY: FL/-/5/-/-/R/-

Scale = .1875"/Ft.

*****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 WHICH 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 WITCA for practices prior to performing these functions. Installers shall provide temporary bracing for all trusses noted otherwise. Top chord and end panel bracing is required for permanent lateral restraint. All end panels shall be braced installed per BCSP sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from the design shown on the building truss drawings in accordance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this 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 pages; T1E-060; www.itwbcg.com; ITGA; ansiprinct.org; ITGA; www.sdsassociates.com.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

01/22/2013

JREF- 1UT39114Z04

1.25

SFON- 97025

DRW HCUSR9114 13022058

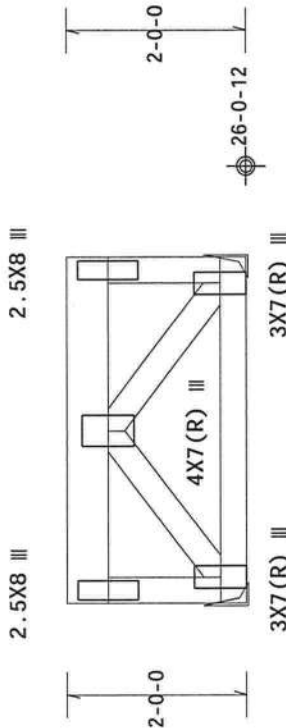
DATE 01/22

REF R9114- 8

Scale = .1875"

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



R=1710 U=852
H=H2

Design Crit: FBC2010Res/TPI-2007(STP)

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing. The user of this drawing shall be responsible for any failure to build the structure in conformance with ANSI/TPI 1, or for handling, shipping, installation, or any other use of this drawing. The user shall be responsible for any failure to follow the instructions, details, unesses 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 for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer. ITWBCG is not responsible for any structure built using this drawing. ITWBCG: www.itwbcg.com TPI: www.tpi-usa.net WTCA: www.theindustry.com; www.LSCA.org

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R9114- 81637
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022217
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97026
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

Top chord 2x4 SP #1 12A
Bot chord 2x4 SP #1 12A
Webs 2x4 SP #3 12A
:Rt Bearing Leg 2x4 SP #3 12A:

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

Left end vertical not exposed to wind pressure.

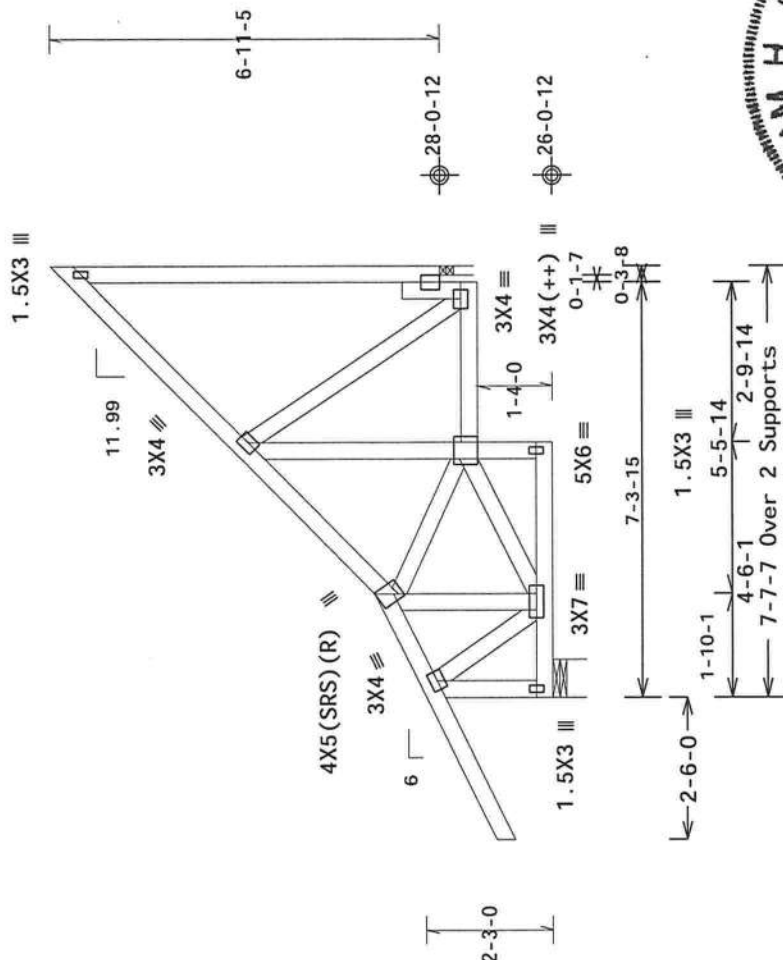
Right end vertical not exposed to wind pressure.

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

120 mph wind, 31.03 ft mean hgt. ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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



R=503 U=0 W=8.006"
RL=222/-63

PLT TYP. Wave

Design Crit: FRC2010Res/TPI-2007(STP)

Design cri

! NO. AUGUST 7 / 0TV... EI / - / 5 / - / - / R / -
10 03 11 0809 19

Scale = 3125"/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. To follow the latest edition of BCSI (Building Component Safety Information, by TPI and WITCA) and to insure proper bracing, please refer to the following instructions prior to performing these functions. Installers shall provide temporary bracing until all permanent bracing is in place. The following instructions are for permanent bracing and bottom chord shoring. All other bracing and shoring shall be noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a property attached rigid ceiling. Locations shown for permanent lateral bracing and shoring.

ITW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this drawing. The user of this drawing shall be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handing, shipping, installation, or use of this drawing. The user shall be responsible for obtaining all necessary permits, approvals, and/or licenses. Refer to drawings A604-2 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: ITW-BCG; www.itwbcg.com; TPI: www.tpiinc.org; TWCA: www.soleindustry.com.



TC	LL	20.0	PSF	REF	R9114-	81638
TC	DL	10.0	PSF	DATE	01/22/13	
BC	DL	10.0	PSF	DRW	HCUSR9114	13022059
BC	LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.	LD.	40.0	PSF	SEQN-	97027	
DUR.	FAC.	1.25		FROM	SDY	
SPACING	24.0"			IREF-	1UT39114Z04	

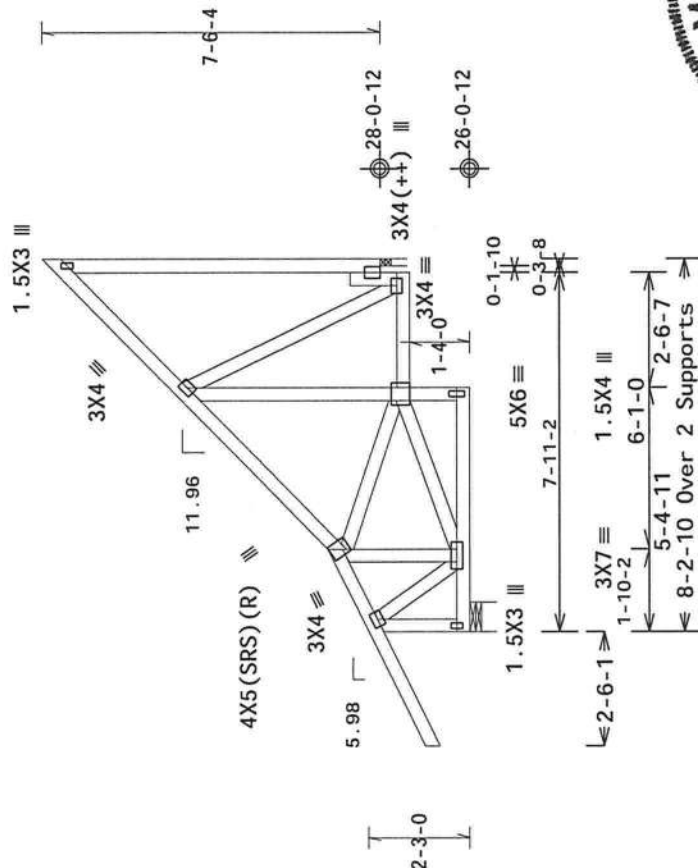
(++) – This plate works for both joints covered.

120 mph wind, 31.32 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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

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



R=528 U=0 W=8.007"
RL=240/-66

R=338 U=180 W=1.854

PLT TYP.: Wave

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

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

EL COA # 2278

01/22/2013

PROFESSIONAL ENGINEER

FLORIDA

****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 WTC) and the practices prior to performing these functions. Installers shall provide adequate bracing and blocking to ensure proper installation. 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. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

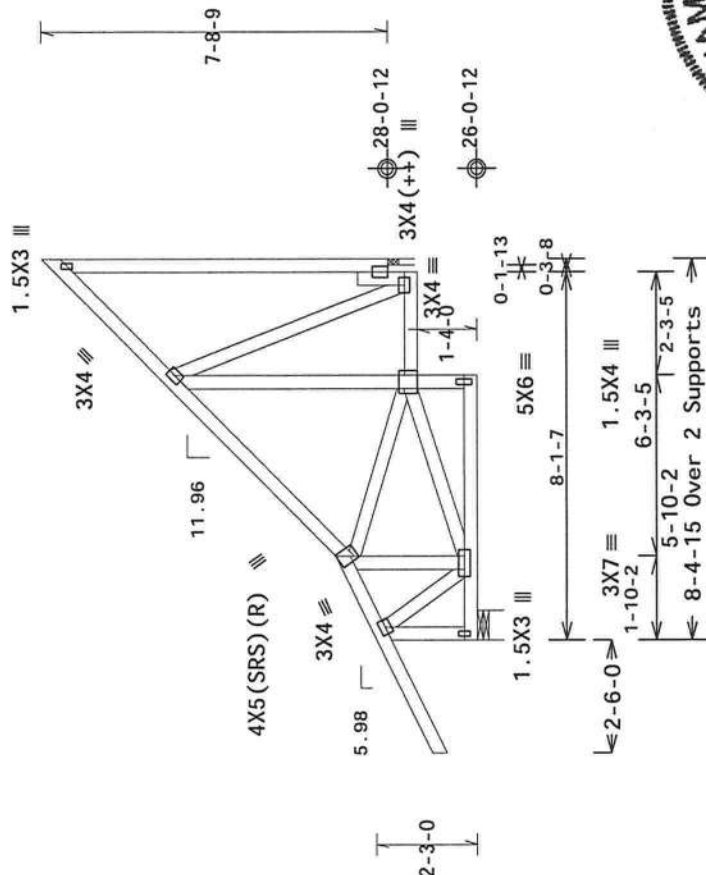
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on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

TC LL	20.0	PSF	REF	R9114- 81639
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022060
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0	PSF	SEQN-	97028
DUR. FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

Top chord 2x4 SP_#1_12A
 Bot chord 2x4 SP_#1_12A
 Webs 2x4 SP_#3_12A
 :Rt Bearing Leg 2x4 SP_#3_12A:

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

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



R=535 I1=0 W=8 006"

RI=246/-68

R=348 U=184 W=1 684

PLT TYP. Wave

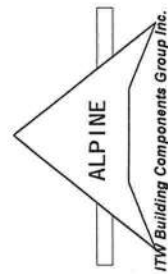
Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=20%(0%)/10(0)

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R9114-	81640
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13022061
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	97029	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

01/22/2013

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/UPA 1 Sec. 2. For more information see: This Job's general notes page; ITW-BCG.com; ITW-BCG.com; TPI: www.tpinet.org; WTCA: www.abcdindustry.com; ICC: www.iccsafe.org



(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R50)

Top chord 2x4 SP #1 12A
Bot chord 2x4 SP #1 12A
Webs 2x4 SP #3 12A
:Rt Bearing Leg 2x4 SP #3 12A:

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

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

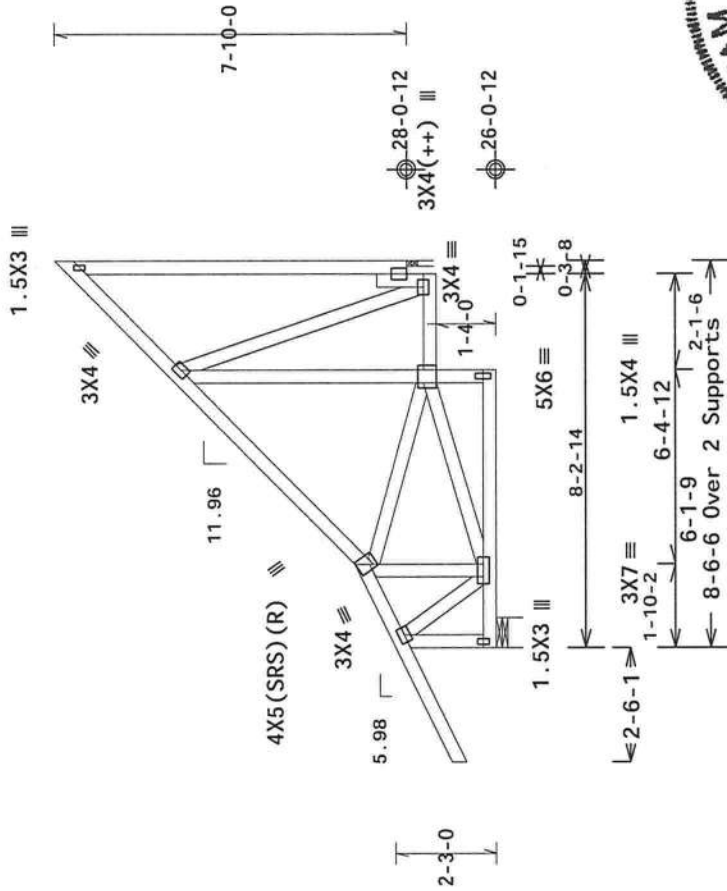
Right end vertical not exposed to wind pressure.

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

120 mph wind, 31.48 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 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.



R=541 U=0 W=8.015"
RL=250/-69

R=353 U=187 W=1.57

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

PLT TYP. Wave

Scale = .25"/Ft.

TC LL	20.0 PSF	REF R9114- 81641
TC DL	10.0 PSF	DATE 01/22/13
BC DL	10.0 PSF	DRW HCUSR9114 13022062
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 97030
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

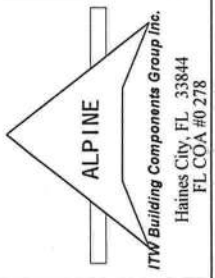


WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

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 WTCA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on 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 and 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.tpi.net.org; WTCA: www.alcindustry.com; ICC: www.iccsafe.org



(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R51)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A
:Rt Bearing Leg 2x4 SP #3_12A:

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

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

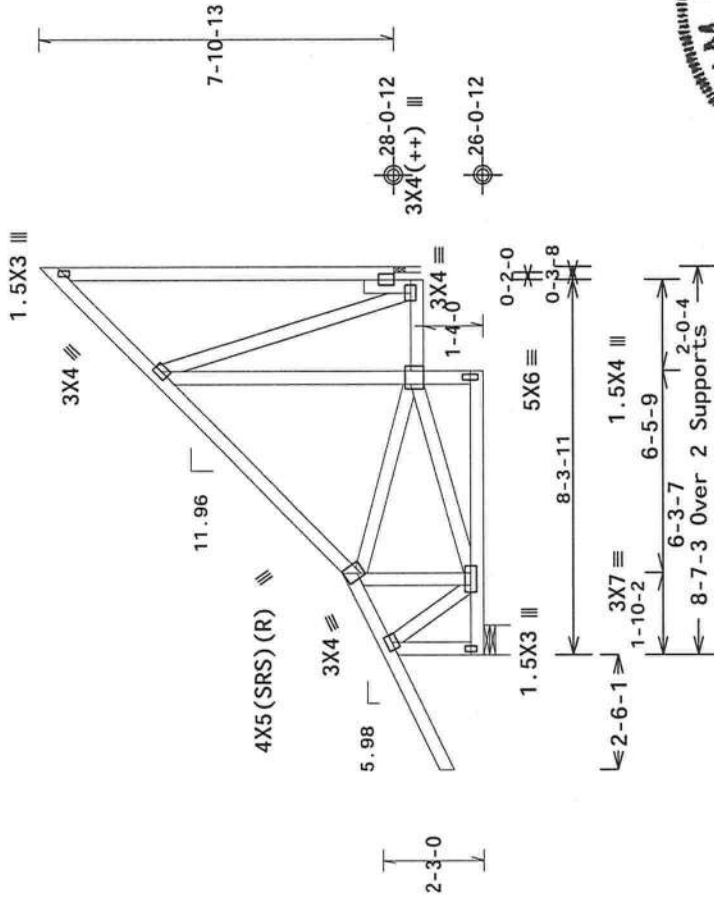
Right end vertical not exposed to wind pressure.

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

120 mph wind, 31.51 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof. RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 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.



R=543 U=0 W=8.004"
RL=252/-69
R=356 U=188 W=1.51

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

PLT TYP. Wave

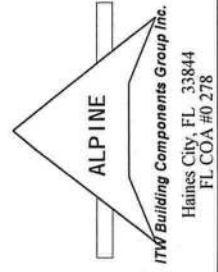
Scale = .25"/Ft.

REF	R9114-	81642
DATE	01/22/13	
DRW	HCUSR9114	13022063
HC-ENG	WHK/WHK	
SEQN-	97031	
FROM	SDY	
JREF-	1UT39114Z04	

WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET

IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for proper practices prior to performing these functions. Trusses are designed and manufactured to meet or exceed all applicable codes and standards. Trusses are not to be used for any purpose other than that intended. 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 design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility by 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.tpi.net.org; WTCA: www.alcnafe.org



(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R52)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A
:Rt Bearing Leg 2x4 SP_#3_12A:

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

120 mph wind, 31.52 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

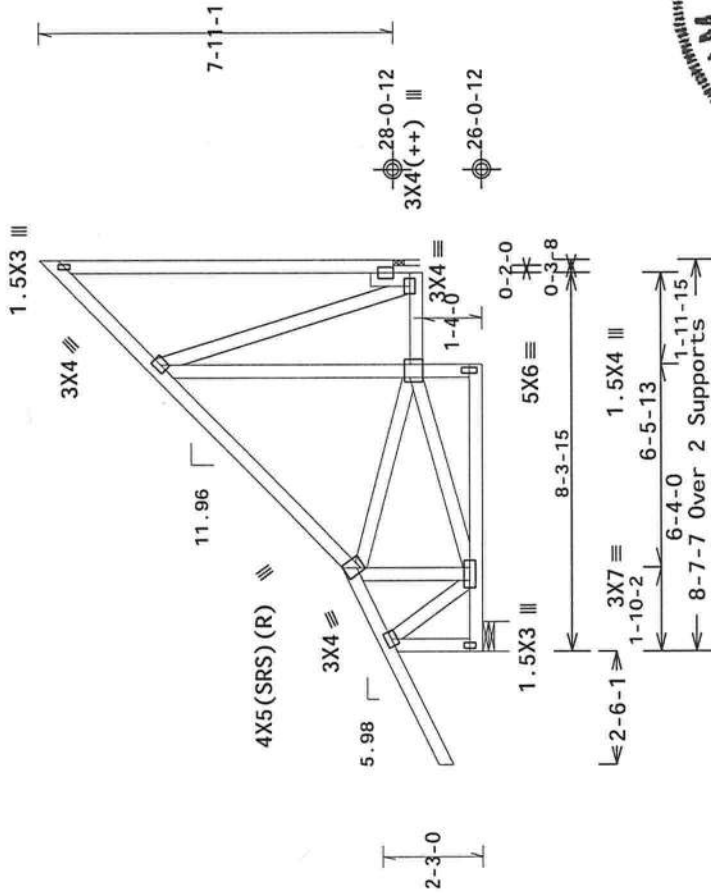
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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

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

Right end vertical not exposed to wind pressure.



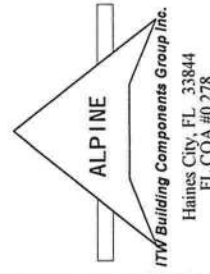
R=544 U=0 W=8.014"
RL=252/-69
R=357 U=189 W=1.5"

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

PLT TYP. Wave

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 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 proper bracing and blocking. 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 cover page listing this drawing. Indicates acceptance of professional engineering in the design and construction of the structure in accordance with the Building Code of the State of Florida. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.alcindustry.org; ICC: www.iccsafe.org



Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R9114- 81643
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022064
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97032
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

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

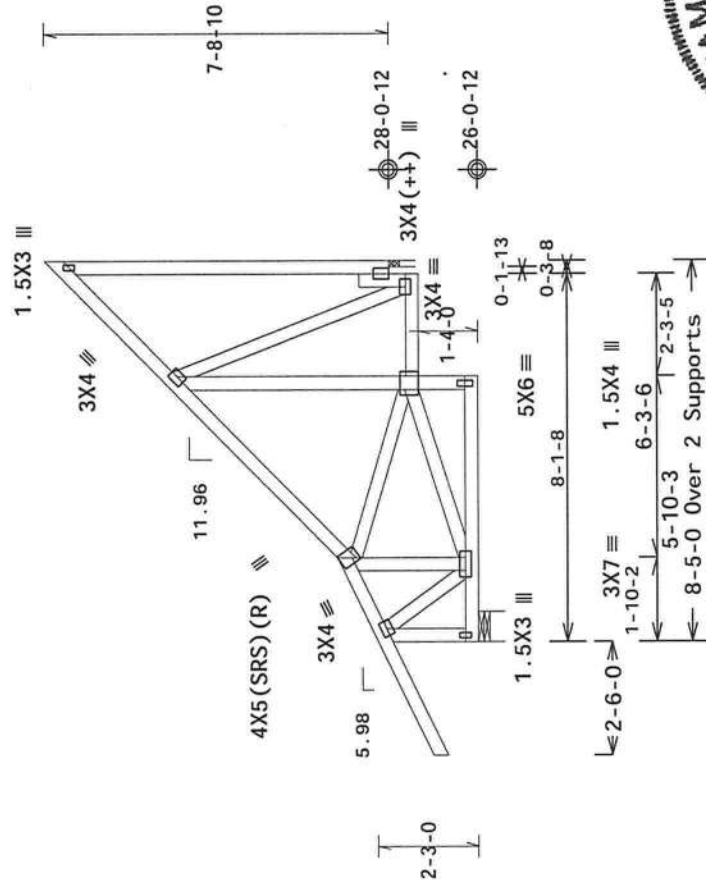
120 mph wind, 31.42 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A
:Rt Bearing Leg 2x4 SP_#3_12A:

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

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

Right end vertical not exposed to wind pressure.



R=535 U=0 W=8.009"
RL=246/-68

P-348 II-185 W-1 681

PLT TYP. Wave

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

Scale = .25"/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.				REF R9114- 81644
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Institute) Manual for proper bracing and installation.		TC LL	20.0 PSF	DATE 01/22/13
	Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid soiling. Locations shown for permanent lateral restraint only. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		TC DL	10.0 PSF	DRW HCUSR9114 13022065
	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, 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 BCG-2 or BCG-3 for additional bracing details.		BC DL	10.0 PSF	HC-ENG WHK/WHK
	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; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org		BC LL	0.0 PSF	SEQN- 97033
			TOT.LD.	40.0 PSF	FROM SDV
			DUR. FAC.	1.25	JREF- 1UT39114Z04
			SPACING	24.0"	

Top chord 2x4 SP_#1_12A :T2 2x6 SP_#1_Dense_12A:
Bot chord 2x4 SP_#1_12A :B2 2x8 SP_#1_Dense_12A:
Webs 2x4 SP_#3_12A

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

Special loads
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 62 plf at -2.51 to 62 plf at 1.85
TC- From 68 plf at 1.85 to 68 plf at 10.74
BC- From 4 plf at -2.51 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 6.33
BC- From 20 plf at 6.33 to 20 plf at 10.25
BC- From 26 plf at 10.25 to 26 plf at 10.74
BC- 4106.41 lb Conc. Load at 8.00

Wind loads and reactions based on MWFRS.

Hanger specified assumes connection to supporting chord is located a
minimum of five times the depth of the supporting chord from any
unsupported end, unless unsupported chord end has 85% plating
coverage.

These support conditions used at bearings indicated
(H1) = Simpson HHUS28-2 w/ (2)2x8 SP_#1_Dense_12A supporting member.
(22) 0.148"x3" nails into supporting member,
(8) 0.148"x3" nails into supported member.

(a) Continuous lateral bracing equally spaced on member.

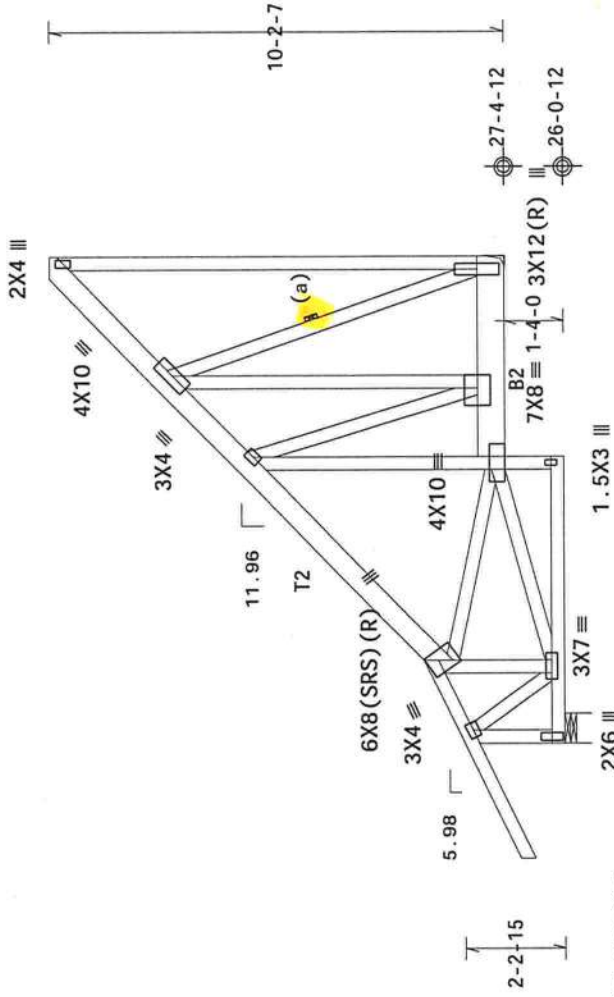
Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.

Right end vertical not exposed to wind pressure.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3" min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

120 mph wind, 32.33 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf. Gcpi(+/-)=0.18



R=1700 U=674 W=7.994"

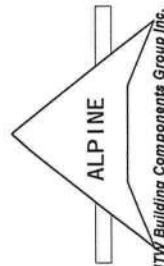
R=3514 U=1606
H=H1



PLT TYP. Wave

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

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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) rules and practices prior to performing these functions. Installers shall provide temporary bracing poles unless noted otherwise. Top chord shall have properly attached structural bracing and shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.				REF R9114- 81646
	IMPORTANT ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any time the truss is in accordance with ANSI/TPI 1, or for handling, shipping, installation bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint details, unless noted otherwise. Refer to drawings 180A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer. (TPI/ITW-BCG: www.tpi.net; www.itwbcg.com; WTCA: www.alcindustry.com; ICC: www.iccsafe.org)				DATE 01/22/13
	PLT TYP. Wave				DRW HCUSR9114 13022067
	Dur.Fac. 1.25				HC-ENG WHK/WHK
	SPACING 24.0"				SEQN- 97035
	FROM SDY				JREF- 1UT39114Z04

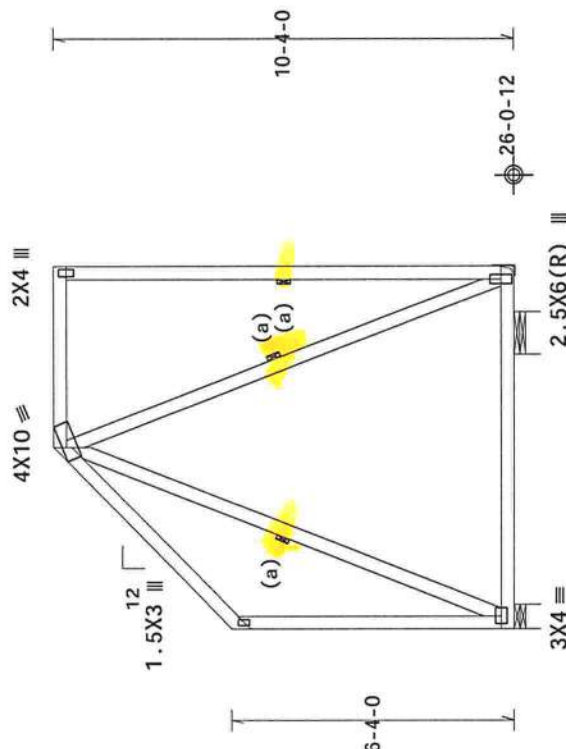
120 mph wind, 34.40 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

(a) Continuous lateral bracing equally spaced on member.

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

WWFRS loads based on trusses located at least 34.40 ft. from roof edge.



$\overleftarrow{6-0-6} \quad \overrightarrow{1-11-8}$
 $\overleftarrow{4-0-0} \quad \overrightarrow{3-11-14}$
 $<7-11-14 \text{ Over } 3 \text{ Supports } >$
 $R=325 \text{ } U=0 \text{ } W=6.478''$
 $R=298 \text{ } U=0 \text{ } W=11.315''$

Design Crit: FBC2010Res/TPI-2007(ST)

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R9114- 81649
TC DL	10.0	PSF	DATE 01/22/13
BC DL	10.0	PSF	DRW HCUR9114 13022072
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 97038
DUR.FAC.	1.25		FROM SDY
SPACING	24.0"		JREF- 1UT39114Z04

****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 WITCA) for all installation variations prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached structural sheathing and bottom chord bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint on BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWBCO) shall not be responsible for any deviation from this design or any failure to build in accordance with it. The responsibility for providing the appropriate information and details, unless noted otherwise, Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCDG: www.itwbcog.com; TPI: www.tpiinc.org; TWCA: www.sabcindustries.com;

ALPINE

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

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

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

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.

These support conditions used at bearings indicated
(HT) = Simpson LUS24 w/ (3)2x8 SP_#1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member.
(2) 0.148"x3" nails into supported member.

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

MWFRS loads based on trusses located at least 64.71 ft. from roof edge.

120 mph wind, 32.35 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

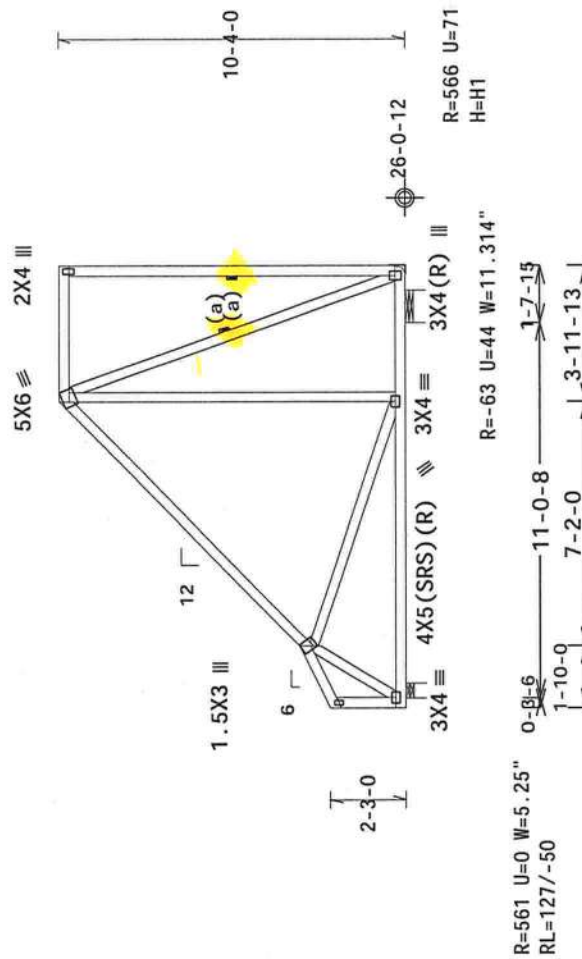
Wind loads and reactions based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

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



R=561 U=0 W=5.25"
RL=127/-50

2-11-14 Over 3 Supports

PLT_TYP.: Wave

Design Crit: FBC2010Res/TPI-2007(ST
FT/RT=20%(0%)/10(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 BESI (Building Component Safety) Information, by TPI and WTCFA for design and erection specifications prior to performing these functions. Installers shall provide temporary bracing per BESI recommendations. Trusses are not to be subjected to any other loads or stresses. Locations shown for permanent lateral restraint are to be used. Trusses shall have bracing installed per BESI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. The user assumes full responsibility for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of trusses and position as shown above and on the Joint Detail. Decals, 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 does not warrant the design. This job is for information only. For more information, visit www.itsconnect.org. ITWCA, www.itsconnect.org. ITWBCG, www.itsconnect.org. TPI, www.tpi-usa.net.

ALPINE

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

Scale = .1875"/Ft.

REF R9114- 81650

DATE 01/22/13

DRW HCLSR9114 13022073

JCH - ENG WHK /WK

INCE	02020
INCE-ENO	WIKI/ WIKI

SEQN- 97039

FROM SDY

JREF- 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R62)

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

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

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

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

These support conditions used at bearings indicated
(H1) = Simpson LUS24 w/ (3)2x8 SP_#1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

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

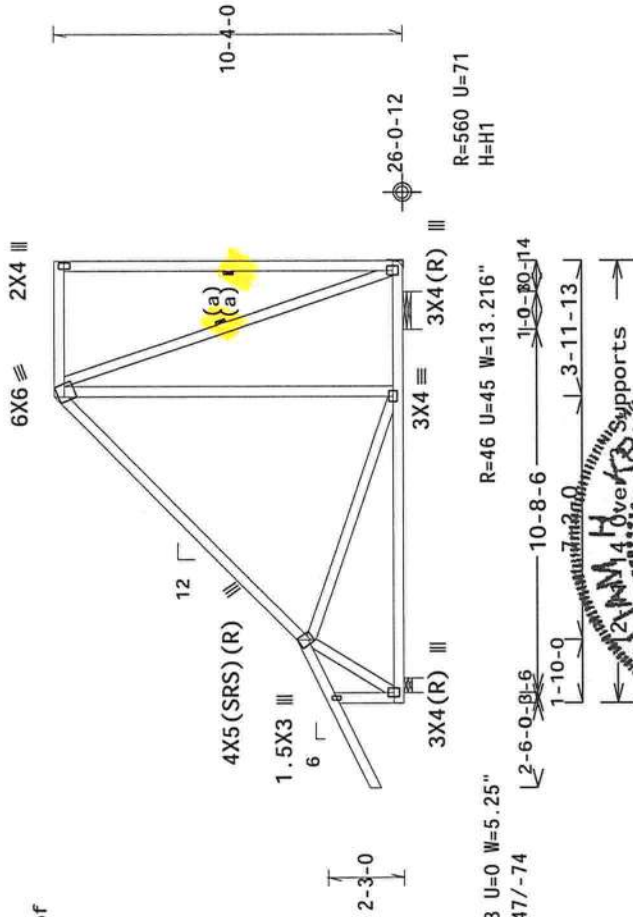
(a) Continuous lateral bracing equally spaced on member.

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

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

MWFRS loads based on trusses located at least 31.73 ft. from roof edge.

Right end vertical not exposed to wind pressure.



R=753 U=0 W=5.25"
RL=147/-74

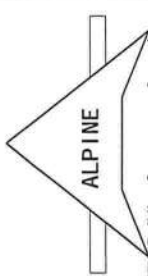
R=46 U=45 W=13.216"

R=560 U=71
H=H1

PLT TYP. Wave

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

Scale = .1875"/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 TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing for all trusses 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. Trusses 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 accordance with the design and specifications shown on this drawing. The responsibility of the Building Designer 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.sdsindustry.com; IBC: www.internationalibc.org			
	TC LL	20.0 PSF	FL/-5/-/-R/-	REF R9114- 81653
	TC DL	10.0 PSF		DATE 01/22/13
	BC DL	10.0 PSF		DRW HCUSR9114 13022076
	BC LL	0.0 PSF		HC-ENG WHK/WHK
	TOT.LD.	40.0 PSF		SEQN- 97042
01/22/2013	DUR.FAC.	1.25	FROM SDY	
	SPACING	24.0"	JREF- 1UT39114Z04	

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

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

These support conditions used at bearings indicated
(HT) = Simpson LUS24 w/ (3)2x8 SP_#1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

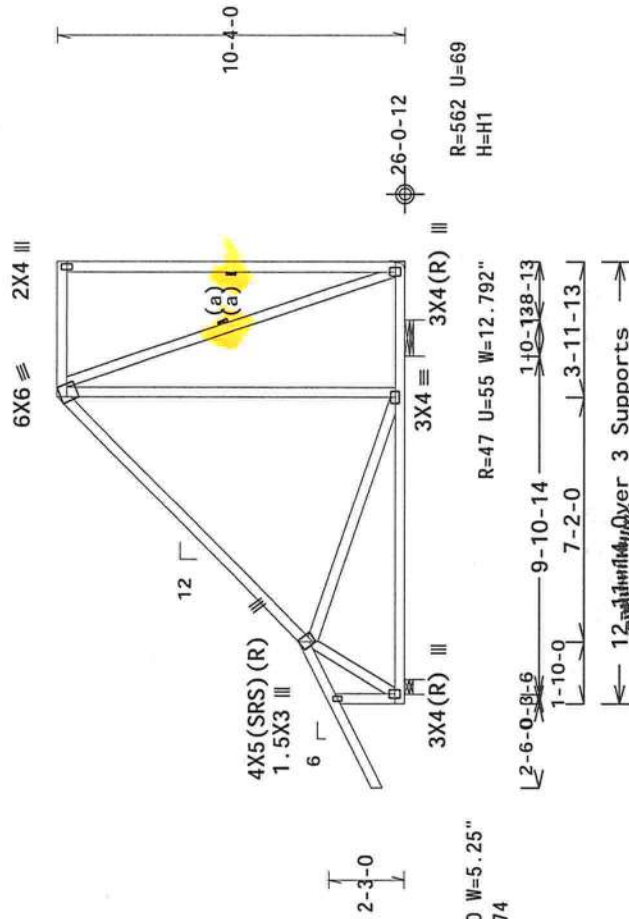
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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

MMFRS loads based on trusses located at least 31.73 ft. from roof edge.

Right end vertical not exposed to wind pressure.



R=750 U=0 W=5.25"
RI=147/-74

R=47 II=55 W=12 792"

R=562 U=69
H=H1

PLT TYP. Wave

Design Crit.: FBC2010Res/TPI-2007(S

19.03.2019

FL/-/5/-/-/R/-

Scale = 1875"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THE DESIGN TO ALL CONTRACTORS BEFORE THE START OF WORK.

IMPORTANT

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to end of drawing for details. Trussing shall be installed in accordance with the design shown. The contractor shall follow the latest edition of BCSP (Building Component Safety Information), by TPI and WTCA as a guide to practices prior to performing those functions. Installers shall provide temporary bracing per design. If needed otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have lateral bracing. All bracing shall be installed per BCSL sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this drawing. The user of this drawing is responsible for determining the proper application and proper sequencing of the fastening and bracing of trusses. Apply plates to each face of truss and position as shown on the joint. Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for your structure is the responsibility of the building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's drawings, drawings TWBCG, building Designer per ANSI/TPI 1 Sec. 2. For more information see: TWBCG, 16550 E. 165th Ave., Aurora, CO 80014, USA, Tel: 303.751.1600; Fax: 303.751.1601; Web: www.twbcg.com

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

01/22/2013

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Drawings 160A-Z indicate accept

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is noted otherwise
for page listing

Details, unless drawing or cover

1.

1

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R64)

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

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

These support conditions used at bearings indicated

(H1) = Simpson LUS24 w/ (3)2x8 SP #1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

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

MWFRS loads based on trusses located at least 31.73 ft. from roof edge.

Right end vertical not exposed to wind pressure.

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

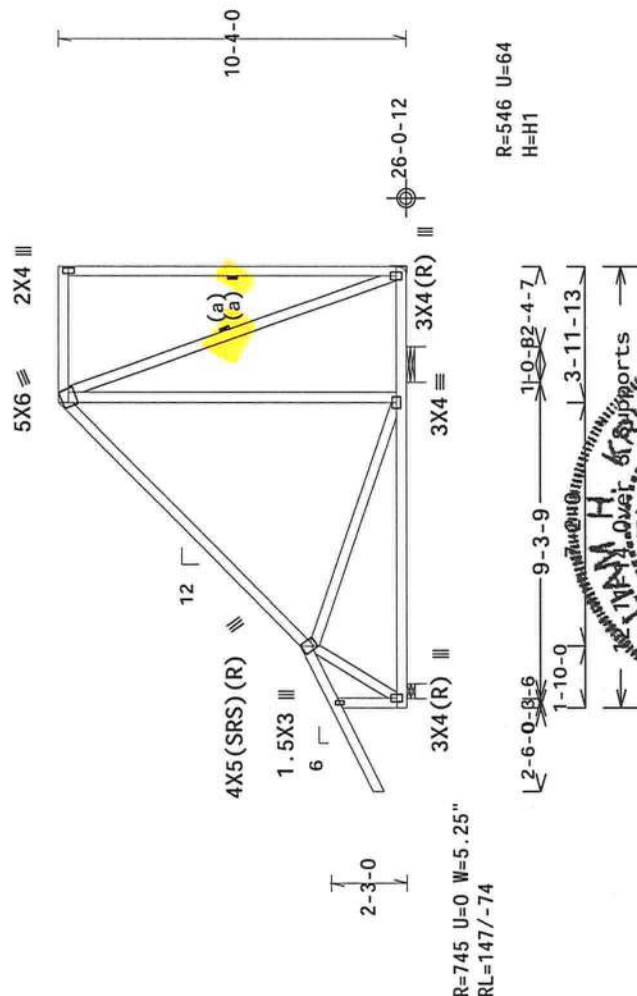
Wind loads and reactions based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

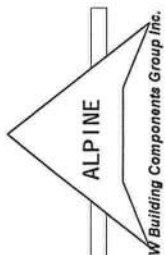
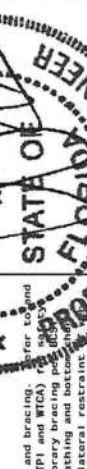
Bottom chord checked for 10.00 psf non-concurrent live load.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=20%(0%)/10(0) 10.03.0809.19

Scale = .1875"/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 TPI and WCA) for proper installation. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page. ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.alcusafo.org ICC: www.iccsafe.org			TC LL	20.0 PSF	REF	R9114- 81655
		TC DL	10.0 PSF	DATE	01/22/13		
		BC DL	10.0 PSF	DRW	HCUSR9114 13022078		
		BC LL	0.0 PSF	HC-ENG	WHK/WHK		
		TOT.LD.	40.0 PSF	SEQN-	97044		
		DUR.FAC.	1.25	FROM	SDY		
		SPACING	24.0"	JREF-	1UT39114Z04		

Top	chord	2x4	SP_#1	12A
Bot	chord	2x4	SP_#1	12A
	Webbs	2x4	SP_#3	12A

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

Left cantilever is exposed to wind

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

(a) continuous lateral bracing equally spaced on member.



PLT TYP. Wave



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

TC LL	20.0	PSF	REF	R9114-	81656
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13022079
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	97045	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

120 mph wind, 31.73 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

Left cantilever is exposed to wind

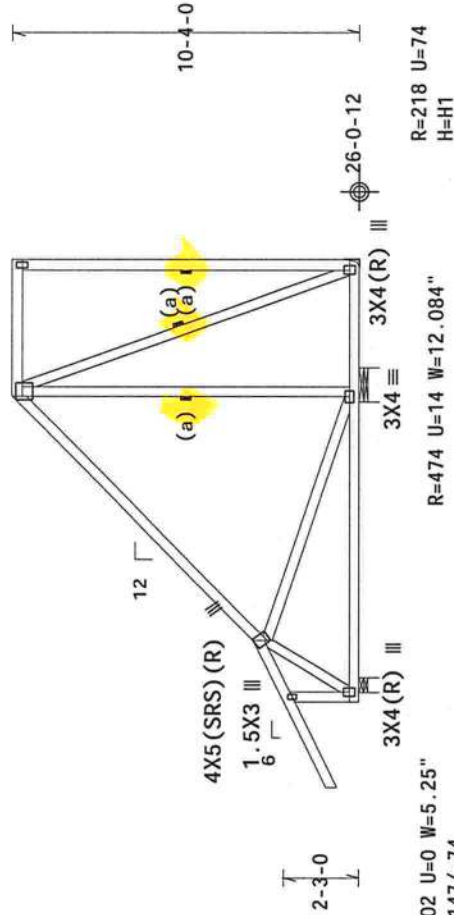
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(a) Continuous lateral bracing equally spaced on member.

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

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

6X6 = 2X4 =



D-602 11-0 W-5 25"

RL=147/-74

Design Crit: FBC2010Res/TPI-2007(STP)
 FT/RT=20%(0%)/10(0)
 No. 70861
 10.03.11.0209.19
 QTY=2
 FL/-5/-/-/R/-
 Scale = 1875"/Ft.

PLT TYP. Wave

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

Trusses require extra care in fabricating, handling, shipping, installing and bracing. Refer to the following information for details. Truss manufacturers shall provide temporary bracing instructions prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's instructions. Trusses shall have a properly attached roof ceiling. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

END OF SECTION

ITW Building Components Group Inc. (ITWBGC) shall not be responsible for any deviation from this drawing or specification due to any failure to build the truss in conformance with ANSI/TPI-1 for roof joists and install the bracing of trusses. Apply penalties to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and tie of this design for your structure is the responsibility of the building designer per ANSI/TPI-1 Sec. 2. For more information see: This job's structural analysis page; ITW-BGCI: www.fencing.com; ITWA: www.solidmasonry.com; ITWC: www.itwinc.com

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

JREF- 1UT39114Z04

CONCLUSIONS

SPACING

24.0"

5- 1UT

0114Z04

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

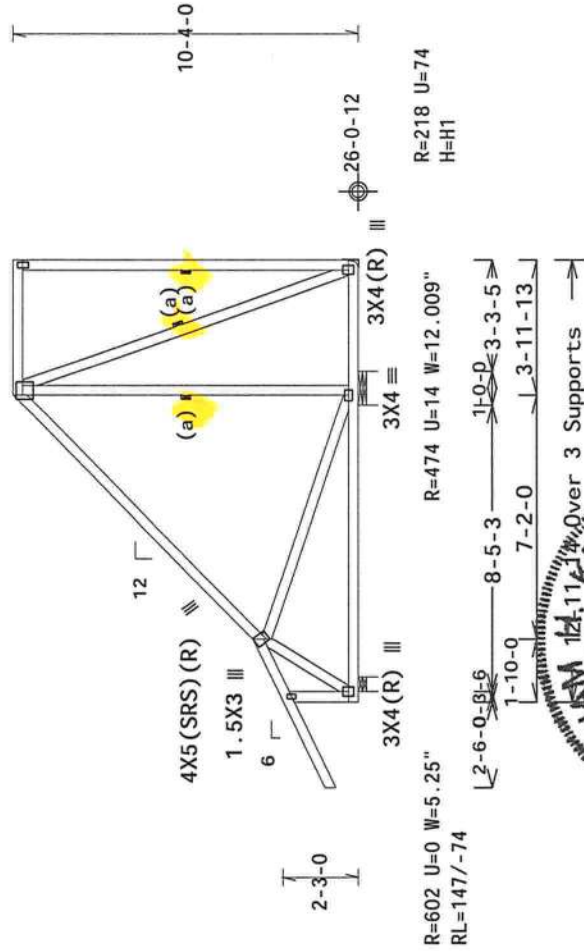
Left cantilever is exposed to wind

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

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

(a) Continuous lateral bracing equally spaced on member.

6X6 ≡ 2X4 ≡

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

FL/-/5/-/-/R/-

TC LL	20.0 P
-------	--------

TC DL 10.0 P

BC DI 10 0 P

BC 11	0.0
BC 11	0.0

DC LL	0.0
TOT LD	10.0

101.LD.	40.0 F
210.F12	1.35

DUR. FAC. 1.25

SPACING 24.0"

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R68)

Top chord 2x4 SP_#1_12A :T1 2x6 SP_#1_Dense_12A:

Bot chord 2x4 SP_#1_12A

Webs 2x4 SP_#3_12A

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

120 mph wind, 30.23 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS.

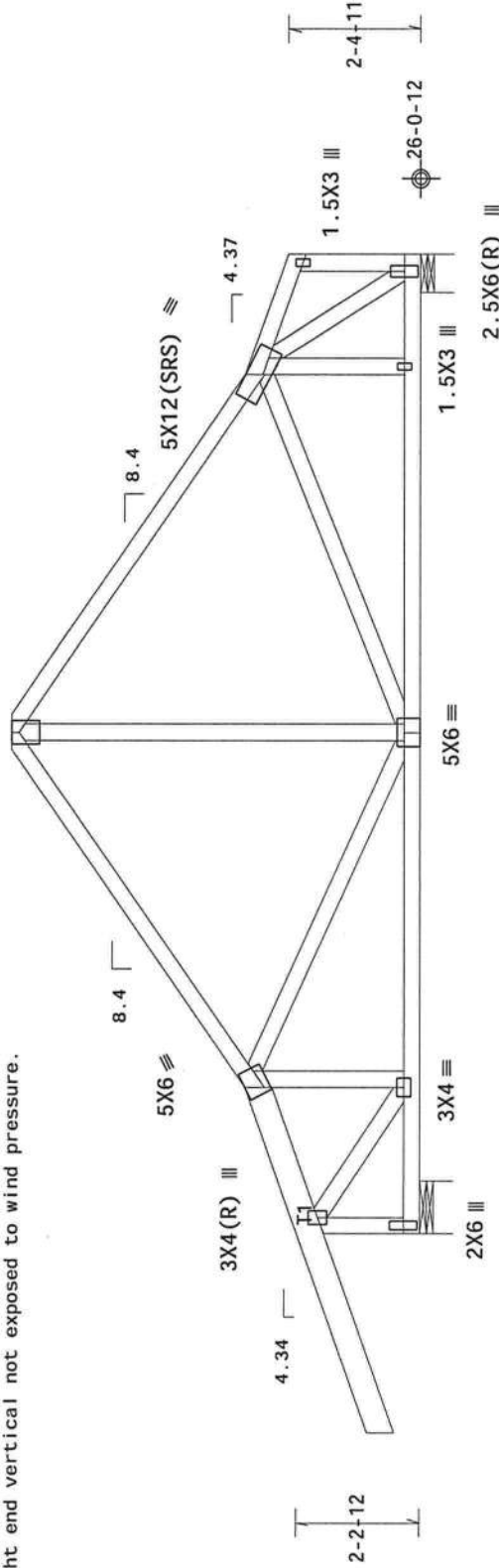
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Right end vertical not exposed to wind pressure.

Special loads			
-----Lumber			
TC- From	Dur. Fac.=1.25 / Plate	Dur. Fac.=1.25	
61 pif at -3.54 to	61 pif at	61 pif at	2.59
32 pif at -2.59 to	32 pif at	32 pif at	8.94
TC- From	32 pif at	32 pif at	15.28
61 pif at 15.28 to	61 pif at	61 pif at	17.42
BC- From	4 pif at -3.54 to	4 pif at	0.00
BC- From	20 pif at 0.00 to	20 pif at	3.63
BC- From	10 pif at 3.63 to	10 pif at	8.94
BC- From	10 pif at 8.94 to	10 pif at	14.26
BC- From	20 pif at 14.26 to	20 pif at	17.42
TC- 29.33 lb Conc. Load at	3.63, 14.26		
TC- 100.56 lb Conc. Load at	6.46, 11.43		
TC- 145.50 lb Conc. Load at	8.62, 9.26		
BC- 17.99 lb Conc. Load at	3.63, 14.26		
BC- 77.57 lb Conc. Load at	6.46, 11.43		
BC- 87.86 lb Conc. Load at	8.62, 9.26		

5X6(R) III



3-6-7
2-7-2
6-4-2
6-4-2
2-1-11
17-5-1 Over 2 Supports
R=1178 U=399 W=11.314"
Design Crit: FBC2010Res/TPI-2007(S)D)
FT/RT=20%(0%)/10(O)

PLT TYP. Wave

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

FL/-/5/-/R/-

Scale = .3125"/Ft.

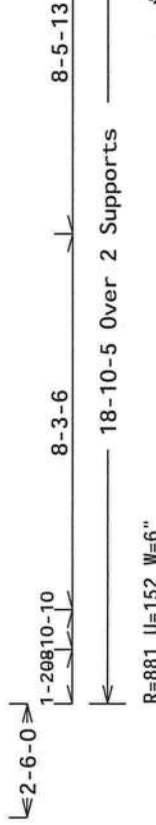
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for additional information. 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 restraints shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, 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 and 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; WTCA: www.alcnae.org		TC LL	20.0	PSF	REF	R9114- 81659
			TC DL	10.0	PSF	DATE	01/22/13
			BC DL	10.0	PSF	DRW	HCUSR9114 13022082
			BC LL	0.0	PSF	HC-ENG	WHK/WHK
			TOT.LD.	40.0	PSF	SEQN-	97048
			DUR.FAC.	1.25		FROM	SDY
			SPACING	24.0"		JREF-	1UT39114Z04

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

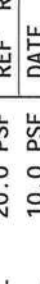
120 mph wind, 31.07 ft mean hgt. ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Right end vertical not exposed to wind pressure.

factor for dead load is 1.50.



Scale = .25"/Ft.

	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING: ITW BUILDING COMPONENTS GROUP INC.		TC LL	20.0 PSF	REF R9114- 81660
	Trusses require extra care in fabricating, handling, shipping, installation and bracing. Refer to the latest edition of BCSI (Building Components Safety Institute) for the most current design and bracing 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 properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		TC DL	10.0 PSF	DATE 01/22/13
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss in position as shown above and on the Joint		BC DL	10.0 PSF	DRW HCUSR9114 1302083
	drawing or cover page listing this drawing. This drawing indicates acceptance of professional engineering responsibility solely for the building 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; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org		BC LL	0.0 PSF	HC-ENG WHK/WHK
	ALPINE		TOT LD.	40.0 PSF	SEQN- 97049
	ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278		DUR.FAC.	1.25	FROM SDY
			SPACING	24.0"	JREF- 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R70)

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

120 mph wind, 31.78 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

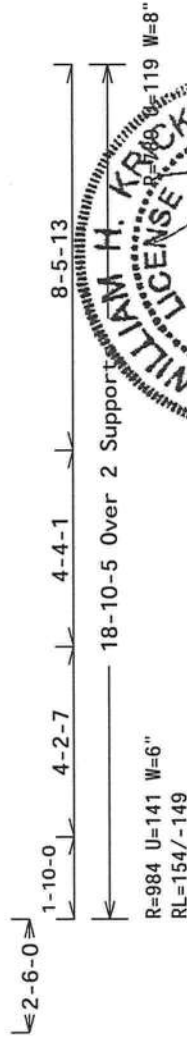
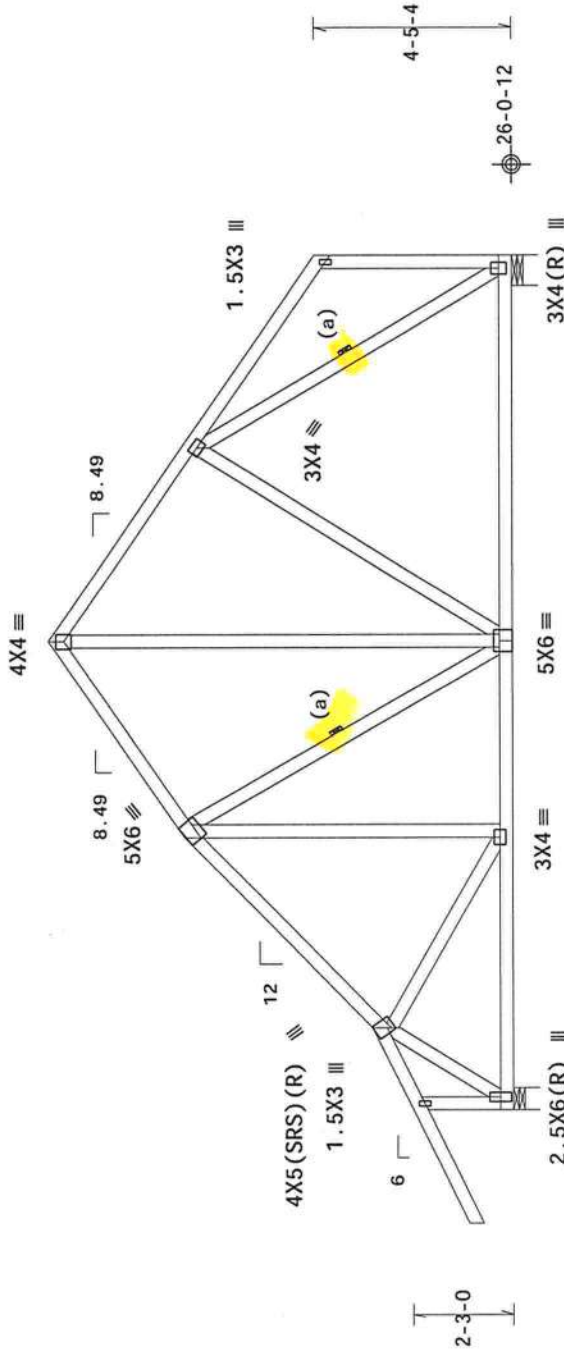
Wind loads and reactions based on MWFRS with additional C&C member design.

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

(a) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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



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

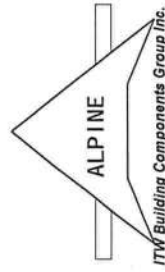
Scale = .25"/Ft.

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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this document or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on 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 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.tpi.net.org; WTCA: www.alcusafo.org; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 81661
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022084
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97050
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R71)

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

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

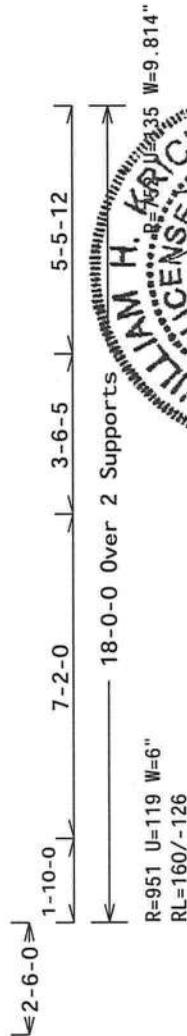
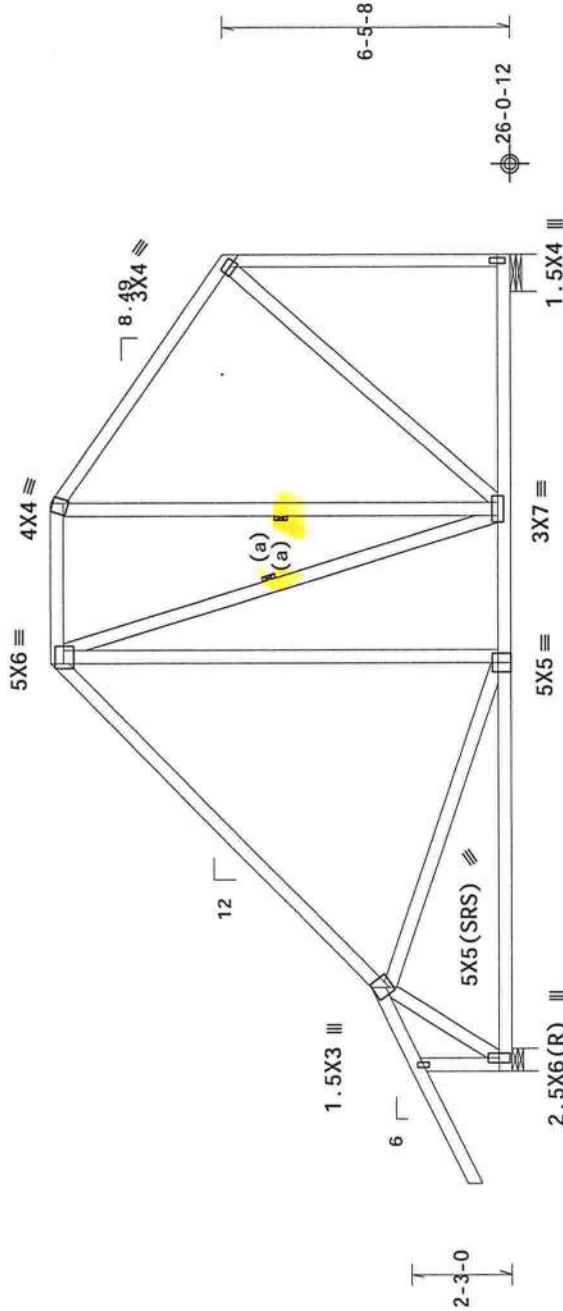
Wind loads and reactions based on MWFRS with additional C&C member design.

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

(a) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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



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

PLT TYP. Wave	Scale = .25"/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
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	DUR. FAC.	1.25
	SPACING	24.0"
	FROM SDY	
	JREF -	1UT39114Z04
Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0)		Scale = .25"/Ft.
Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0)		REF R9114- 81662
Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0)		DATE 01/22/13
Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0)		DRW HCUSR9114 13022085
Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0)		HC-ENG WHK/WHK
Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0)		SEQN- 97051
Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0)		FROM SDY
Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0)		JREF - 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R72)

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

120 mph wind, 31.73 ft mean ht, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $G C p_i (+/-) = 0.18$

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

Roof overhang supports 2.00 psf soffit load.

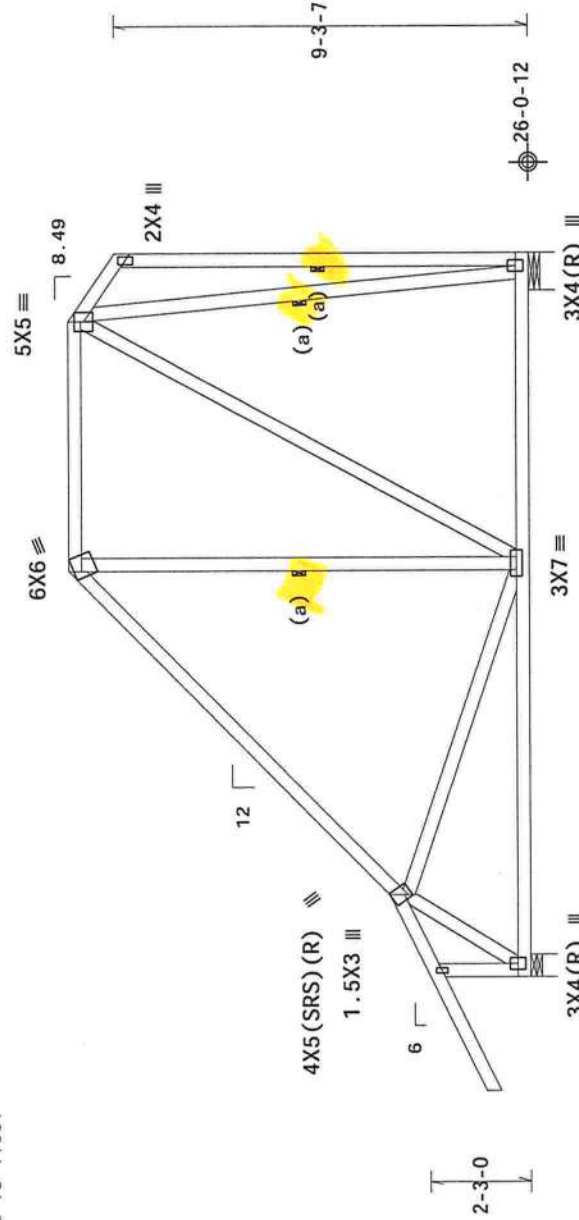
Bottom chord checked for 10.00 psf non-concurrent live load.

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

End verticals not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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



16-0-0 Over 2 Supports
R=867 U=65 W=6"
RL=243/-88



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

PLT TYP. Wave

Scale = .25"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**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 WCA) for details and practices prior to performing these functions. Installers shall provide temporary bracing for all members. 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 of members 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, 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 180A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.alcindustry.com; ICC: www.iccsafe.org				TC LL	20.0 PSF	REF	R9114- 81663
					TC DL	10.0 PSF	DATE	01/22/13
					BC DL	10.0 PSF	DRW	HCUSR9114 13022164
					BC LL	0.0 PSF	HC-ENG	WHK/WHK
					TOT.LD.	40.0 PSF	SEQN-	5924 REV
					DUR.FAC.	1.25	FROM	SDY
				SPACING	24.0"	JREF-	1UT39114Z04	

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

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

End verticals not exposed to wind pressure.

These support conditions used at bearings indicated
(HT) = Simpson LUS24 w/ (2)2x8 SP #1 Dense 12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supporting member.

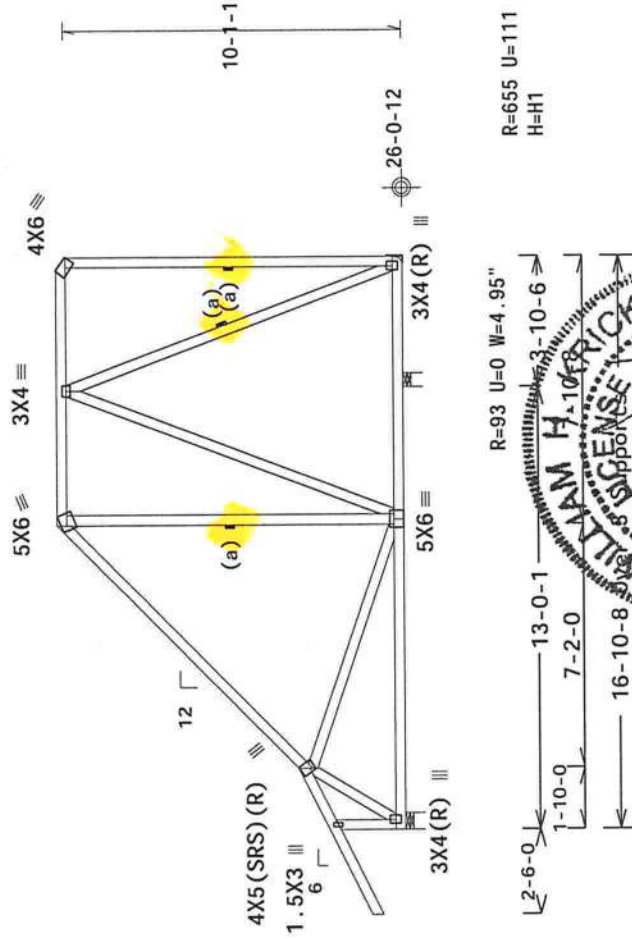
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

MWFRS loads based on trusses located at least 15.86 ft. from roof edge.

R=892 U=0 W=6"
RL=147/-74

R=93 I1=0 W=4 95"

R=655 U=111
H=H1



Decision C-rit: EBC2010Bas/TPI-2007(STP)

BCZ010RES/1P1-2007(31B)
ET/PT=20%(0%)/10(0)

PLT TYP. Wave

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

[illegible]

ITW Building Components Group Inc., (ITWBOD) shall remain responsible for any deviation from this drawing or failure to build to design. ITWBOD shall also remain responsible for all material handling, shipping, installation and application. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building Designer per AISI/TPI-1 Sec. 2. This job was designed by ITWBOD; the building Designer per AISI/TPI-1 Sec. 2. WCA are an industry code; ITWBOD: www.itwbuilding.com; TPI: www.tpi.org; WCA: www.wcaindustry.com.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL CỎA #0 278

Scale = .1875"/Ft.

REF R9114- 81664

DATE 01/22/13

DRW HCUISB9114 13022165

HHC-ENG WHK / WHK

FIG-ENO	070E2
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SEQN- 97053

FROM SDY

JREF- 1UT39114Z04

Top chord 2x4 SP_#1_12A
Bot chord 2x8 SP_#1_Dense_12A
Webs 2x4 SP_#3_12A

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

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 pif at -2.50 to 62 pif at 1.83
TC- From 68 pif at 1.83 to 68 pif at 9.00
TC- From 62 pif at 9.00 to 62 pif at 16.87
BC- From 4 pif at -2.50 to 4 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 9.15
BC- From 20 pif at 9.15 to 20 pif at 16.87
BC- 2814.75 lb Conc. Load at 4.50

End verticals not exposed to wind pressure.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

These support conditions used at bearings indicated
(H1) = Simpson LUS26-2 w/ (2)2x8 SP_#1_Dense_12A supporting member.
(4) 0.162"x3.5" nails into supporting member,
(3) 0.162"x3.5" nails into supported member.

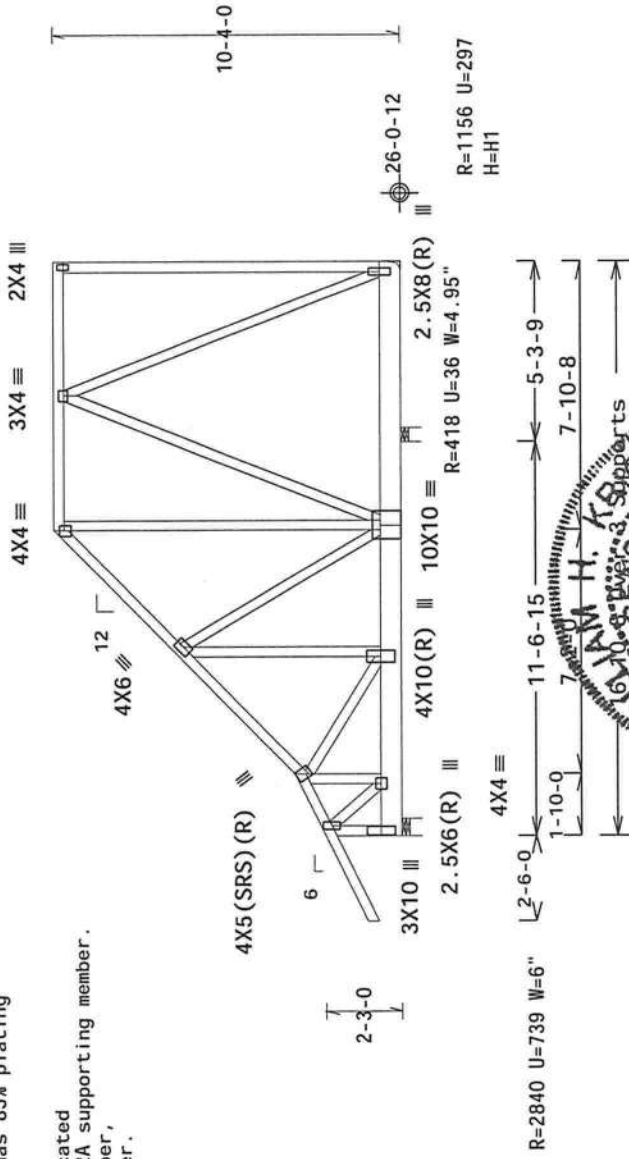
2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 8.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON THE BOTTOM CHORD ONLY.

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

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



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

Scale = .1875"/Ft.

PLT TYP. Wave

ALPINE

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

STATE OF FLORIDA

PROFESSIONAL ENGINEER

WILLIAM H. K. BENSE

10.03.19.708619

01/22/2013

****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 WCA) for details and practices prior to performing these functions. Installers shall provide temporary bracing for all trusses noted otherwise, top chord and bottom chord bracing shall be provided for all trusses. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this 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 Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer. ITW-BG: www.itwbg.com; TPI: www.tpinet.org; WCA: www.alcusafo.org; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R9114- 81665
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022086
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97054
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

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

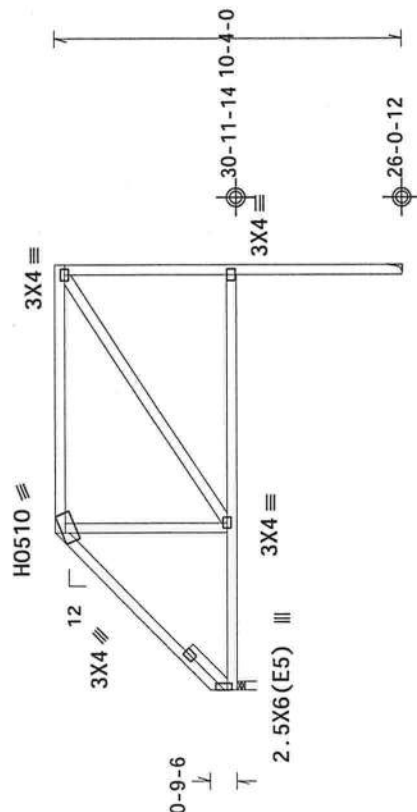
12A: BLOCK LENGTH = 1.690'

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

hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

These support conditions used at bearings indicated

(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.



4-7-8 | 7-10-8

12-6-0 Over 2 Supports

2=545 11=0 W=3 125" R=558 11=98

RL=98/-56
H=H1

PLT TYP. 20 Gauge HS, Wave

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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 PROBLEM WILL BE FOR TO ALL PARTICIPANTS INCLUDING NEW ARRIVE

[illegible][illegible]

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

01/22/2013

details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/SPRI 1 Sec. 2. For more information see: This Job's general notes page. ITW-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WTA: www.sbcindustry.com; ICC: www.iccsafe.org.

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

Top chord 2x4 SP_#1_12A
Bot chord 2x8 SP_#1_Dense_12A
Webs 2x4 SP_#3_12A

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

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 pif at -2.50 to 62 pif at 1.83
TC- From 68 pif at 1.83 to 68 pif at 9.00
TC- From 62 pif at 9.00 to 62 pif at 16.87
BC- From 4 pif at -2.50 to 4 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 9.15
BC- From 20 pif at 9.15 to 20 pif at 16.87
BC- 2772.48 lb Conc. Load at 4.50

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

These support conditions used at bearings indicated
(H1) = Simpson LUS26-2 w/ (2)2x8 SP_#1_Dense_12A supporting member.
(4) SD10212, 0.161"x2.5" into supporting member,
(4) SD10212, 0.161"x2.5" into supported member.

Right end vertical not exposed to wind pressure.

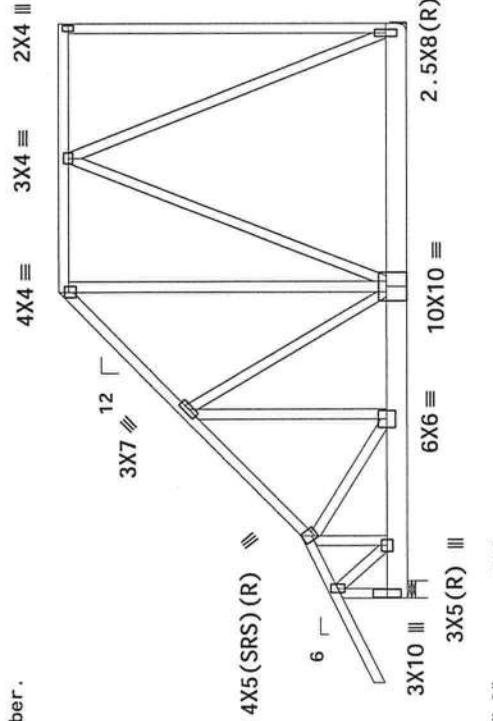
2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 8.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min. nails ON THE BOTTOM CHORD ONLY.

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

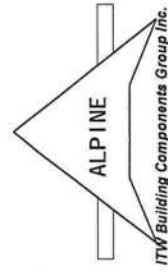
Wind loads and reactions based on MWFRS.

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



Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=20%(0%)/10(0) QTY: 1 FL/-5/-/-/R/- Scale = .1875"/Ft.

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 BCSI (Building Component Safety Information, by TPI and WCA) for accepted practices prior to performing these functions. Installers shall provide temporary bracing for support of trusses until they are properly installed and braced. Locations shown for permanent lateral restraining 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 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 this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The use of this design for any other project without the written general notes page, ITW-BCG; www.itwbcg.com; TPI: www.tpi.net.org; WCA: www.alcnafe.org
ICC: www.iccnafe.org

TC LL	20.0 PSF	REF	R9114- 81667
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCSR9114 13022088
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97056
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

Top chord 2x6 SP #1_Dense_12A
Bot chord 2x6 SP #1_Dense_12A
Webs 2x4 SP #3_12A

Special loads

(Lumber	Dur.Fac.=1.25 / Plate Dur.=1.25)
TC- From	30 plf at 0.00 to 30 plf at 14.25
BC- From	10 plf at 0.00 to 10 plf at 14.25
TC- 641.94 lb Conc.	Load at 1.93, 3.93, 5.93, 8.32, 10.32, 12.32
TC- 96.74 lb Conc.	Load at 6.32
TC- 545.20 lb Conc.	Load at 7.93
BC- 74.79 lb Conc.	Load at 1.93, 3.93, 5.93, 8.32, 10.32, 12.32

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

These support conditions used at bearings indicated
(H1) = Simpson HHU528-2 w/ (2)2x8 SP #1 Dense_12A supporting member.
(22) 0.162"x3.5" nails into supporting member,
(4) 0.162"x3.5" nails into supported member.
(H2) = Simpson HHU528-2 w/ (2)2x8 SP #1 Dense_12A supporting member.
(22) 0.162"x3.5" nails into supporting member,
(4) 0.162"x3.5" nails into supported member.

Use equal spacing between rows and stagger nails in each row to avoid splitting.
(1) 1/2" bolts MAY BE USED FOR (2) 0.128"x3", min EITHER THE TOP OR BOTTOM CHORDS.

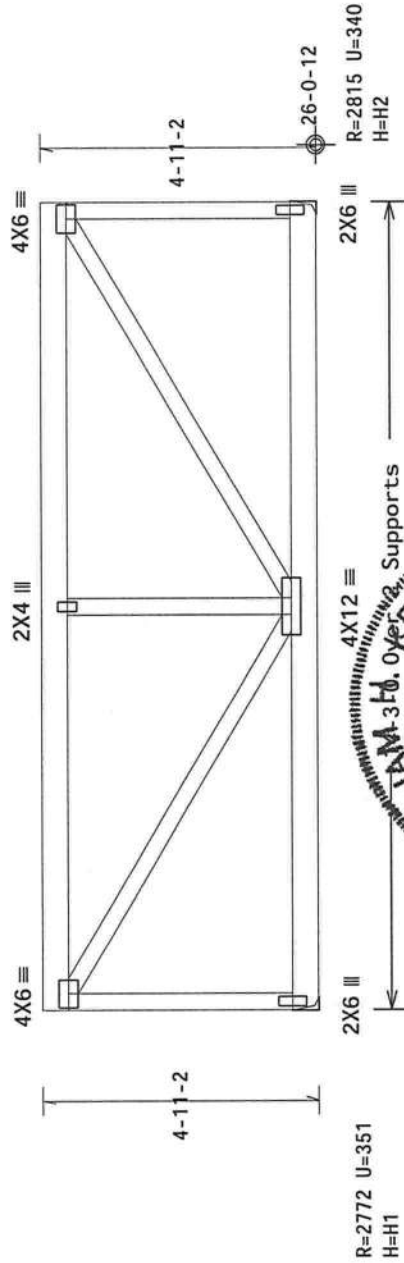
Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

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

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



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

PLT TYP. Wave

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

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

Trussco requires extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCIS (Building Component Safety Information, by TPI and WTC) and use the following practices prior to performing these functions. Installers shall provide temporary bracing per BCIS. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have proper installed per BCIS sections B3, B7 or B10, as applicable.

ITW Building Components Group, Inc. (ITWBCG) shall not be responsible for any deviation from this drawing. The manufacturer of the trusses, the AISI/TPI 1 for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-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 AISI/TPI 1 Sec. 2. For more information see: This job is the responsibility of ITW-BCG: www.itwbcg.com; AISI/TPI: www.aisti.org; WTCA: www.wtcainc.com; and IBC: www.icbc.org.

Scale = .3125"/Ft.

TC LL	20.0	PSF	REF	R9114-	81669
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13022090
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	97058	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

01/22/2013

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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R79)

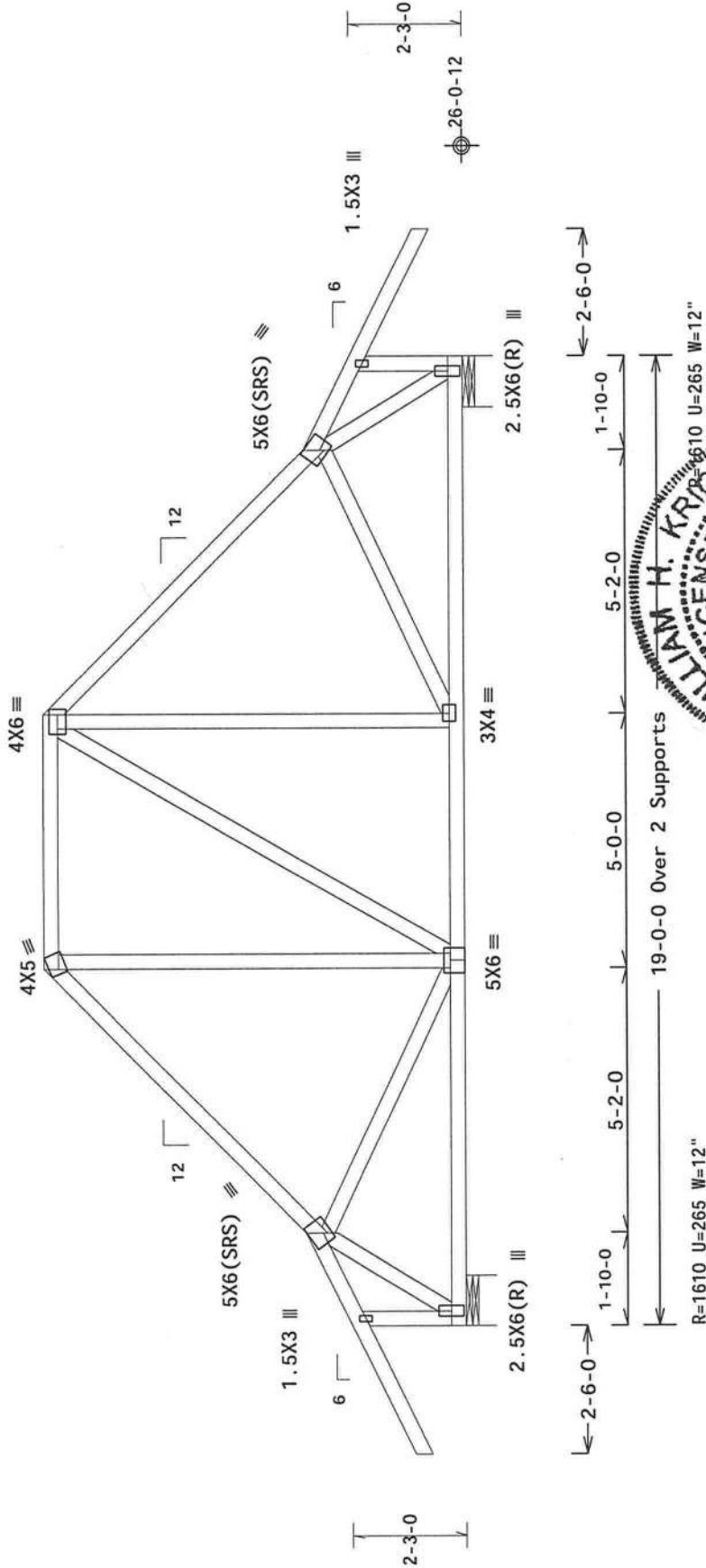
Top chord 2x4 SP #1 12A
Bot chord 2x4 SP #1 12A
Webs 2x4 SP #3 12A

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

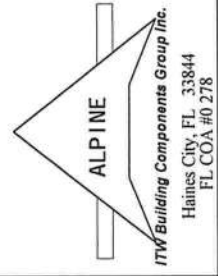
#1 hip supports 7'-0" jacks with no webs.

Wind loads and reactions based on MWFRS.

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



PLT TYP. Wave



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

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R9114- 81670
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022091
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97059
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

WILLIAM H. KRICK
LICENSE
No. 70861
1d. 03.11.09.19
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
01/22/2013

****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 WTA for best practices prior to performing these functions.
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 of trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on 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 and 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; WTA: www.sbcindustry.com; ICC: www.iccsafe.org

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R80)

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

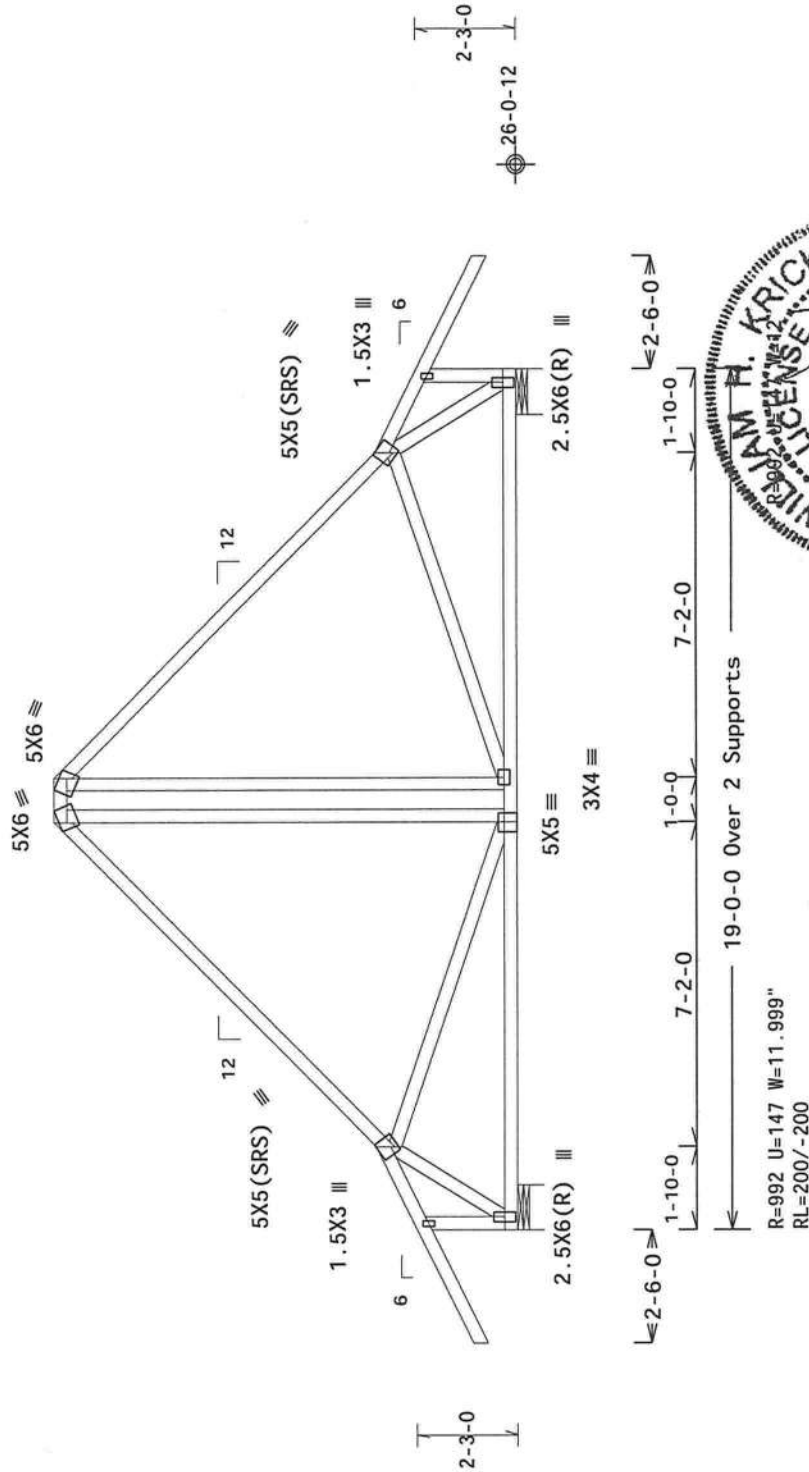
120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

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

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

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

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



PLT TYP. Wave

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

Scale = .25"/Ft.

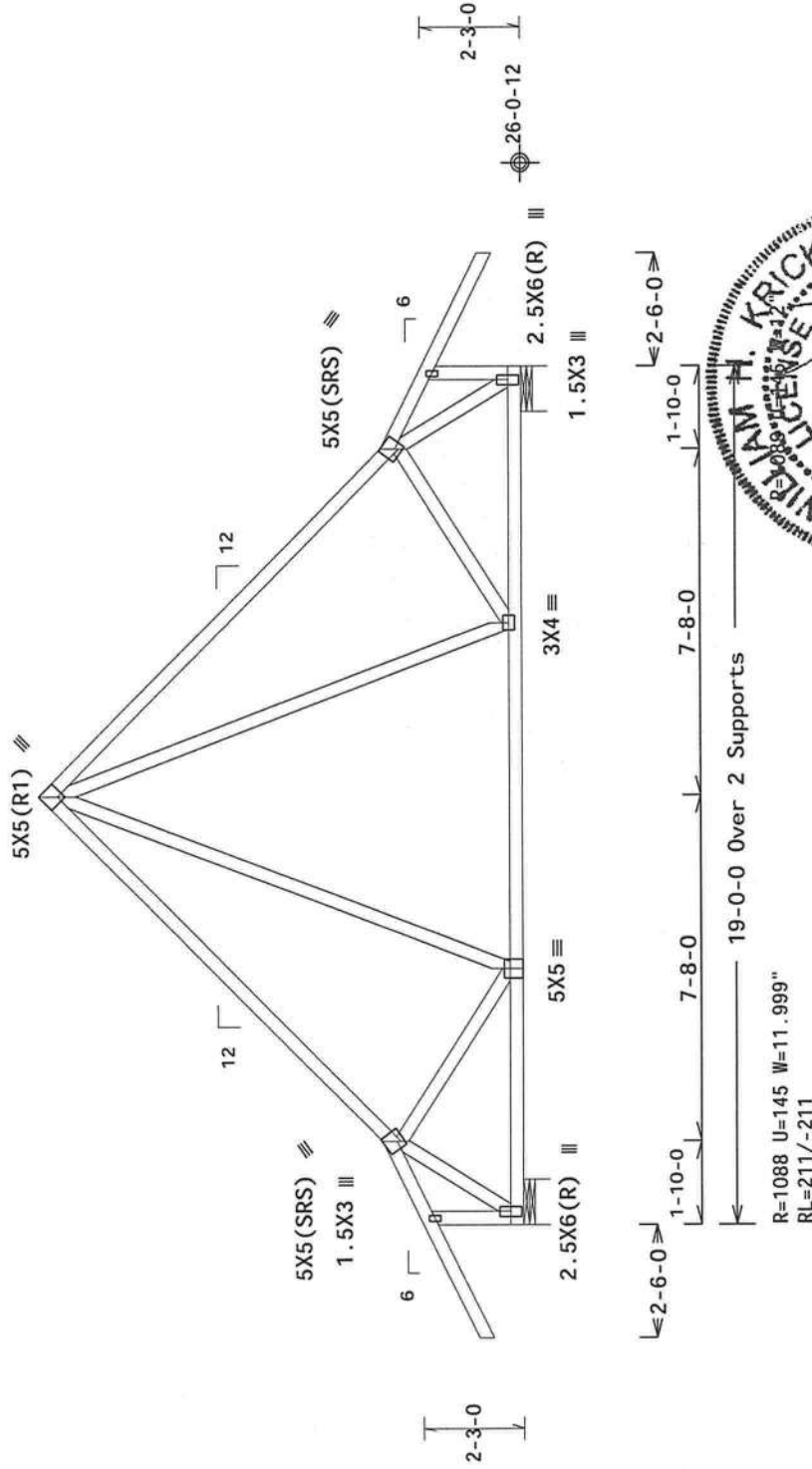
 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details. Unless noted otherwise, top chord shall have properly attached temporary bracing positioned to support the truss. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on 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 and the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page; ITW-BG; www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org		TC LL	20.0 PSF	REF	R9114- 81671
			TC DL	10.0 PSF	DATE	01/22/13
			BC DL	10.0 PSF	DRW	HCUSR9114 13022092
			BC LL	0.0 PSF	HC-ENG	WHK/WHK
			TOT.LD.	40.0 PSF	SEQN-	97060
			DUR.FAC.	1.25	FROM	SDY
SPACING			24.0"	JREF-	1UT39114Z04	

120 mph wind, 31.98 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit: $\text{FBC2010Res}/\text{TPI-2007}(\text{SFT}/\text{RT}=20\%(0\%)/10(0\%))$

FI / - / 5 / - / - / R / -

TC LL	20.0 F
-------	--------

TC DI 10.0 F

BC DI 10 0 0

BC BC

[illegible]

101. LD:	40:00
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DUR. FAC. 1.23

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

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

Trussess require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BESI (Building Component Safety Information, by TPI and WTCFA) practices prior to performing these functions. Installers shall provide temporary bracing per BESI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid gird. Locations for top chord lateral bracing and bottom chord lateral bracing shall be indicated on drawings. BESI, TPI and WTCFA are the authoritative sources for bracing and erection practices. BESI, TPI and WTCFA are the authoritative sources for bracing and erection practices.

ITW Building Components Group Inc. (TWBCE) shall not be responsible for any deviation from this document. ITW Building Components Group Inc., its subsidiaries, agents, contractors, employees, or subcontractors shall make no guarantee, warranty, or representation as to the accuracy, completeness, or applicability of any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings "look-z" for standard plate positions. A seal on this drawing or cover page lifting this warning, indicates acceptance of professional engineering responsibility solely by the building designer. For more information visit: This Job's General Contracting Source: TWBCE; www.kwikon.com; TPI: www.tpiinc.org; WICA: www.wicaindustries.com

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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R82)

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

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

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

MWFRS loads based on trusses located at least 15.99 ft. from roof edge.

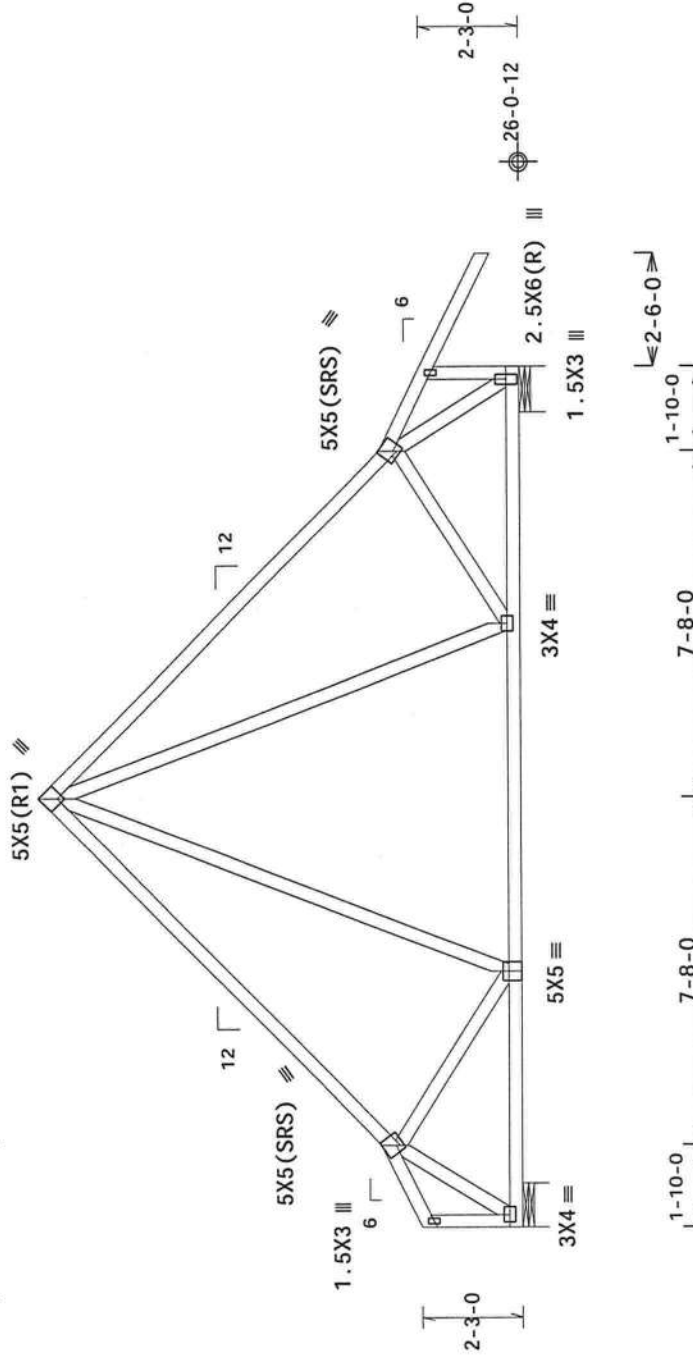
Left end vertical not exposed to wind pressure.

120 mph wind, 31.98 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $G C p_i (+/-) = 0.18$

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

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

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



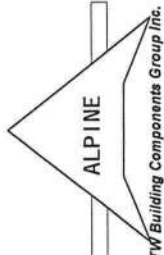
19-0-0 Over 2 Supports

R=910 U=0 W=11.999"
RL=193/-186

PLT TYP. Wave

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

Scale = .25"/Ft.

 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 and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and all applicable building codes and specifications. 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, 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 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 see: This Job's general notes page: ITW-BCSI: www.itwbcg.com; TPI: www.tpiinst.org; WTC: www.sbcindustry.com; ICC: www.iccsafe.org			
	TC LL	20.0 PSF	REF	R9114- 81673
	TC DL	10.0 PSF	DATE	01/22/13
	BC DL	10.0 PSF	DRW	HCU89114 13022094
	BC LL	0.0 PSF	HC-ENG	WHK/WHK
	TOT.LD.	40.0 PSF	SEQN-	97062
01/22/2013	DUR.FAC.	1.25	FROM	SDY
	SPACING	24.0"	JREF-	1UT39114Z04

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

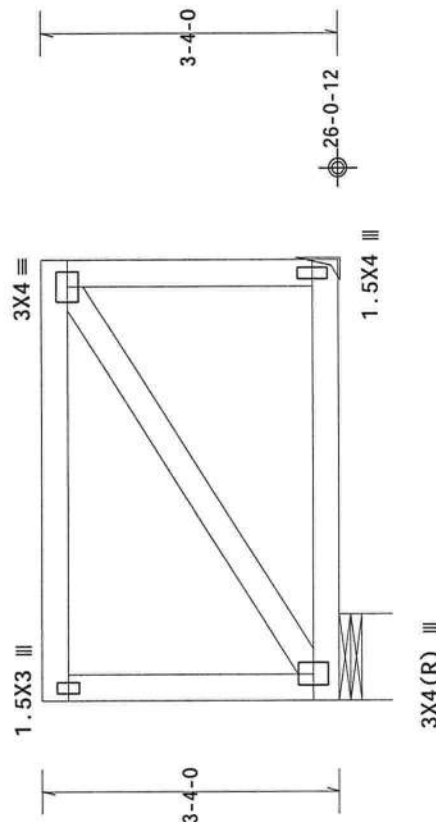
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

End verticals not exposed to wind pressure.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

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

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



← 4-10-6 Over 2 Supports →
R=195 U=32 W=11.314" R=195 U=32
H=H1

PLT TYP. Wave

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

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

[illegible]

TW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this document or any failure to build two cracks in concrete slabs at the same time. The contractor shall be responsible for all 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 per ANSI/SPC 1 Sec.2. For more information see: This job's general notes page; TW-BDG: www.tbdcg.com; TW-SPC: www.spincorp.com; TW-MICA: www.micaindustries.com;

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

These support conditions used at bearings indicated

(H1) = Simpson LUS24 w/ (4) 2x8 SP_#1_Dense_12A supporting member.
 (4) 0.148"x3" nails into supporting member,
 (2) 0.148"x3" nails into supported member.

Truss must be installed as shown with top chord up.



FL/-/5/-/-/R/-	Scale = .5"/Ft.
TC LL 20.0 PSF	REF R9114- 81674
TC DL 10.0 PSF	DATE 01/22/13
BC DL 10.0 PSF	DRW HCURSR9114 13022095
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT.LD. 40.0 PSF	SEQN- 97063
DUR.FAC. 1.25	FROM SDY
SPACING 24.0"	JREF- 1UT39114Z04

120 mph wind, 31.40 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

Truss must be installed as shown with top chord up.



R=275 U=49 W=11.314"

R=275 U=49

Design Crit.: FBC2010Res/TPI-2007(STP)

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. To follow the latest edition of BECI (Building Component Safety Information), by TPI and WCA (Truss Plate Institute of America), installers shall provide the following safety precautions prior to performing these functions:

- Trusses are not to be used as a support for any other structure.
- Trusses are not to be used as a support for any other structure.
- Trusses are not to be used as a support for any other structure.

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

TPI Building Components Group Inc. (TIBCOG) shall not be responsible for any deviation from this drawing. TIBCOG shall not be responsible for building the truss in conformance with ANSI/TPI 1 or for handling, shipping, installation, bracing of trusses. Applicants must build the truss in accordance with drawings showing details, dimensions, materials, and loadings. Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structures is the responsibility of the applicant. Designated by TIBCOG as TPI-825; see www.tpi.net.org; ITCA; www.itcaindustry.com; IBC; www.iccsafe.org.

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R9114- 81675
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022096
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	97064
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

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

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

End verticals not exposed to wind pressure.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

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

Truss must be installed as shown with top chord up.

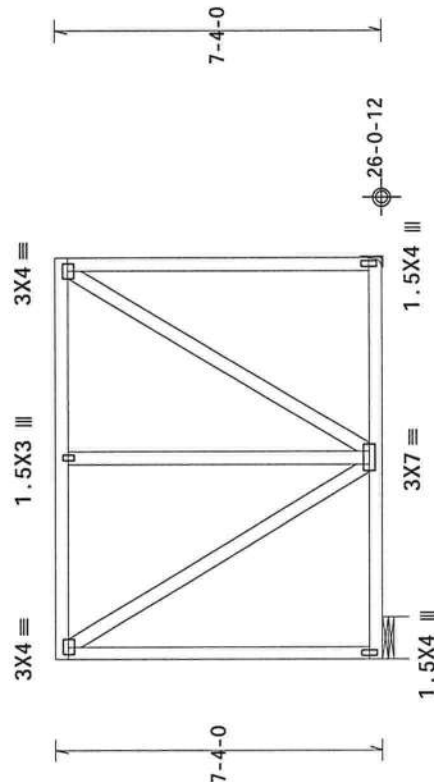
120 mph wind, 33.40 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

These support conditions used at bearings indicated

= Simpson LUS24 w/ (4)2x8 SP_#1_Dense_12A supporting member.
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

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



R=355 U=66
H=H1

← 8-10-6 Over 2 Supports →
R=355 U=66 W=11.314"

PLT TYP. Wave

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

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R9114- 81676
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022097
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	97065
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

★

•••

••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. Therefore, the latest edition of BESI (Building Component Safety Information, by TPI and WCA) has been revised to provide the most current information on the proper bracing of trusses. This new edition includes the following:

TW Building Materials Group Inc. (TWBCG) shall not be responsible for any deviation from this specification if it can be proven that such deviation was caused by the manufacturer's negligence or failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or erection errors. The user assumes all responsibility for the design, construction, details, materials, and loadings. Refer to drawings A604-T 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: general notes page: TW-BDG; www.fabecq.com; TPI: www.tpiinc.org; TWCA: www.abcd-inc.com;

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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R86)

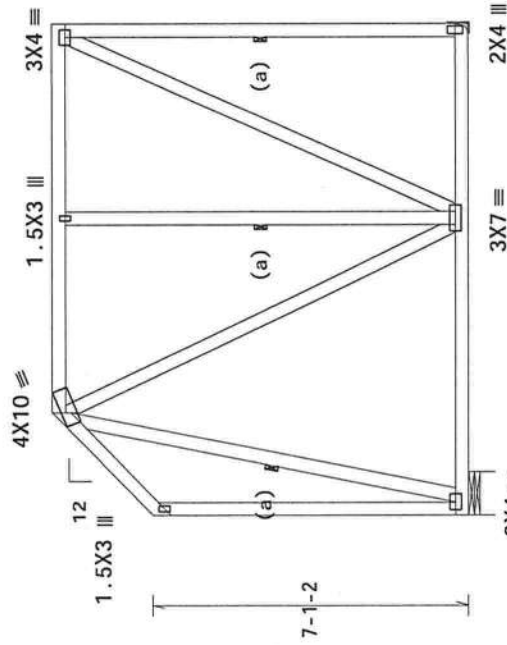
Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

End verticals not exposed to wind pressure.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

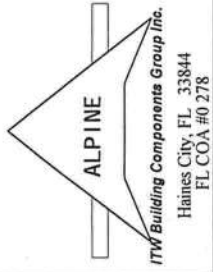
(a) Continuous lateral bracing equally spaced on member.



2-2-15 8-7-7
10-10-6 Over 2 Supports
R=480 U=18 W=11.314"
RL=35 R=480 U=100
H=H1

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

PLT TYP. Wave



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide adequate bracing and shall have a properly attached rigid collar. 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, 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 this drawing or cover page listing this drawing. The responsibility and use of this design for any structure is the responsibility of the user. This design is not to be used for any other purpose. This job's general notes page: ITW-BCSI: www.itwbcg.com, TPI: www.tpinet.org, WTCA: www.alcnafe.org
ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 81677
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021005
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97066
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

Scale = .25"/Ft.

Top chord 2x4 SP #1 12A :T2 2x6 SP #1 Dense 12A:

120 mph wind, 34.27 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

End verticals not exposed to wind pressure.

hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

(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 17.14 ft. from roof edge.

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

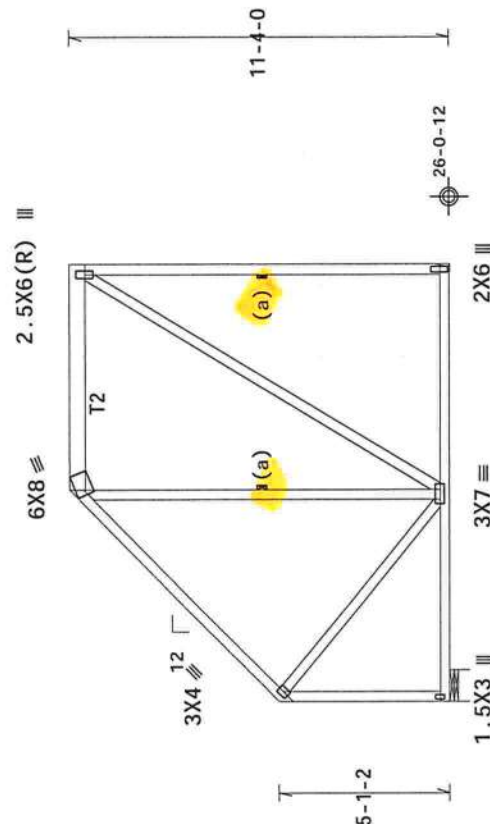
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

These support conditions used at bearings indicated

(H1) = Simpson LUS24 w/ (4)2x8 SP_#1_Dense_12A supporting member.
(A) 0 140"x2" 2x12 into supporting member

(4) 0.148"x3" nails into supporting member.
(2) 0.148"x3" nails into supported member.

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



6-2-15 6-7-7
12-10-6 Over 2 Supports
R=568 U=119
H=H1
RL=100/-43

Design Crit: $\text{FBC2010Res/TPI-2007(Std FT/RT=20\%(0\%)/10(0))}$

PI	T	TYP	Wave
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
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88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

FL/-/5/-/-/R/-/
Scale = .1875"/Ft.

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

*****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. Roof trusses shall follow the latest edition of BCSP (Building Component Safety Information, by TPI and WCA) for all details noted herein. Installers shall provide temporary bracing per BCSP section B70, as applicable, until permanent bracing is installed. Trusses shall have a property attached lateral restraint or top chord shall have a property attached rigid ceiling. Locations shown for permanent lateral restraint of roof trusses shall have bracing installed per BCSP sections B8, B7R B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing. Any failure to build the trims in conformance with ANSI/TPI 1, or for handling, shipping, installation or packaging of trusses, unless noted otherwise. Refer to drawings 1600-2 for standard place positions. A seal on 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 shall not be responsible for any structure. This job is the responsibility of the building designer. ITWBCG: www.itwbcg.com TPI: www.tpi.net WTCA: www.theindustry.com WTCA: www.wtca.com

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

IRFF- 11T39114704

DUR. FAC. 1.25

FROM SDY

FROM SDY

SPACING 24 0'

IRFF- 11T39114704

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

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

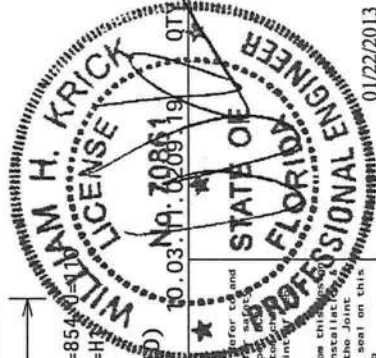
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

These support conditions used at bearings indicated (H1) = Simpson LU26 w/ (4) 2x8 Sp #1 Dense_12A supporting member, (6) 0.148"x3" nails into supporting member, (4) 0.148"x1.5" nails into supporting member.

(n1) = Simpson Luzo w/ (4) x 30 3F-#1 dense-12K supporting member
(6) 0.148"x3" nails into supporting member.
(4) 0.148"x1.5" nails into supported member.

(4) 0.148 x 1.3 nails into supported member.

103381 DEAN I S I 50;



Scale = .1875"/Ft.

- FL/-/5/-/-/R/-/

TC LL	20.0 PSF
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DATE	01/21/13
DRW	HCUSR9114 13021002
QC-ENG	WHK/WHK
SEQUENCE -	97068
FROM	SDY
IRFF -	11T39114Z04

HC-ENG	WHK/WHK
SEQN-	97068

01/22/2013

IRFF- 1UT39114704