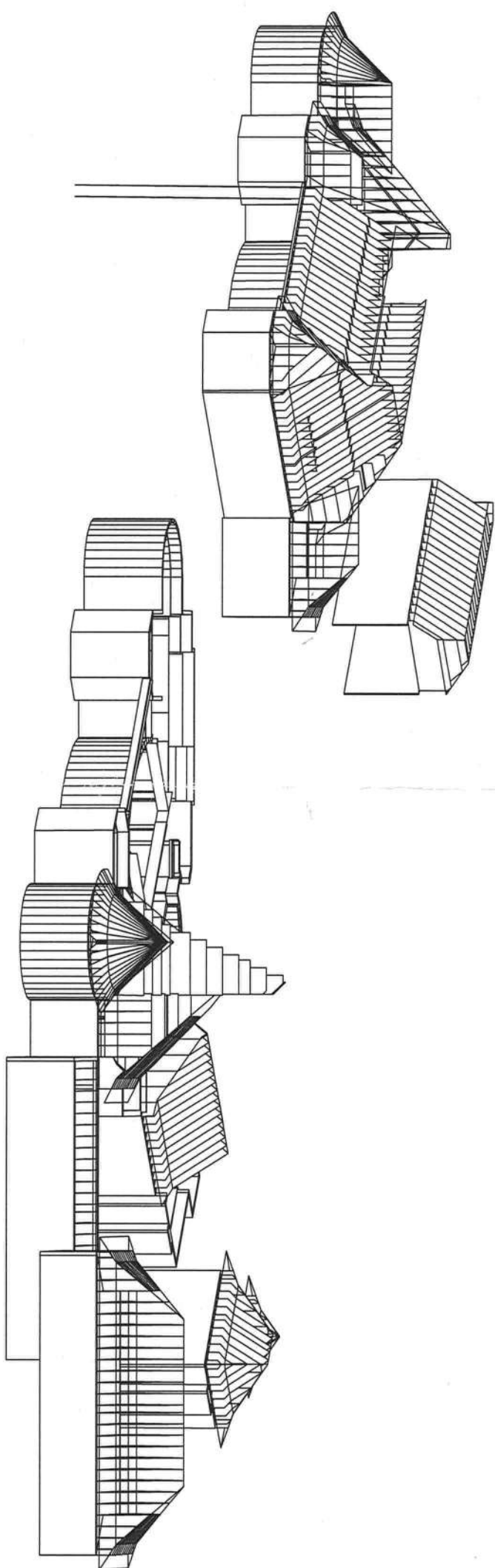




ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 2 of 2 Document ID:1UT39114Z0422135830



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**
Address: **the seal date per section 61G15-31.003(5a) of the FAC**
Minimum Design Loads: **Roof - 40.0 PSF @ 1.25 Duration**
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

William H. Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: **STRBRIBR-BRCLBSUB-12030EC1-GBLLETIN-GABRST10-**

#	Ref	Description	Drawing#	Date
115	81680--R89		13021001	01/21/13
116	81681--R90		13021003	01/21/13
117	81682--R91		13021004	01/21/13
118	81683--R92		13022098	01/22/13
119	81684--R93		13021007	01/21/13
120	81685--R94		13021008	01/21/13
121	81686--R95		13021009	01/21/13
122	81687--R96		13021010	01/21/13
123	81688--R97		13021011	01/21/13
124	81689--R98		13021012	01/21/13
125	81690--R99		13021027	01/21/13
126	81691--R100		13021013	01/21/13
127	81692--R101		13021014	01/21/13
128	81693--R102		13021015	01/21/13
129	81694--R103		13021016	01/21/13
130	81695--R104		13021017	01/21/13
131	81696--R105		13021018	01/21/13
132	81697--R106		13021019	01/21/13
133	81698--R107		13021020	01/21/13
134	81699--R108		13021021	01/21/13
135	81700--R109		13021022	01/21/13
136	81701--R110		13021023	01/21/13
137	81702--R111		13021024	01/21/13
138	81703--R112		13021025	01/21/13
139	81704--R113		13021026	01/21/13
140	81705--R114 2-PLY		13022219	01/22/13
141	81706--R115 2-PLY		13022099	01/22/13
142	81707--R116		13021028	01/21/13
143	81708--R117		13021029	01/21/13
144	81709--R118		13021030	01/21/13
145	81710--R119		13021031	01/21/13
146	81711--R120		13021032	01/21/13
147	81712--R121		13021033	01/21/13
148	81713--R122		13021034	01/21/13
149	81714--PB1		13021035	01/21/13
150	81715--PB2		13021036	01/21/13
151	81716--PB3		13021037	01/21/13
152	81717--PB4		13021038	01/21/13

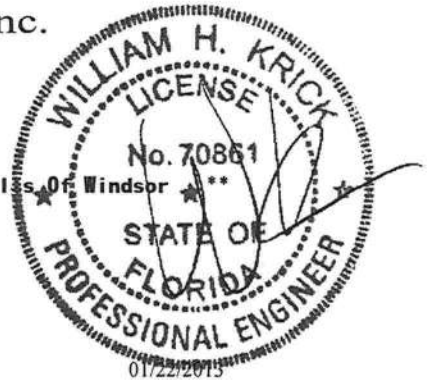
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153	81718--PB5		13021039	01/21/13
154	81719--PB6		13021040	01/21/13
155	81720--PB7		13021041	01/21/13
156	81721--PB8		13021042	01/21/13
157	81722--PB9		13021043	01/21/13
158	81723--PB10 2-PLY		13021044	01/21/13
159	81724--PB11		13021045	01/21/13
160	81725--PB12		13021046	01/21/13
161	81726--PB13		13021047	01/21/13
162	81727--PB14		13021048	01/21/13
163	81728--PB15		13021049	01/21/13
164	81729--PB16		13022100	01/22/13
165	81730--PB17		13022101	01/22/13
166	81731--PB18		13022102	01/22/13
167	81732--PB19		13022103	01/22/13
168	81733--PB20		13022104	01/22/13
169	81734--PB21		13022105	01/22/13
170	81735--PB22		13022106	01/22/13
171	81736--PB23		13022107	01/22/13
172	81737--PB24		13022108	01/22/13
173	81738--PB25		13022109	01/22/13
174	81739--PB26		13022110	01/22/13
175	81740--PB27 2-PLY		13022111	01/22/13
176	81741--PB28		13022112	01/22/13
177	81742--PB29		13022113	01/22/13
178	81743--PB30		13022114	01/22/13
179	81744--PB31		13022115	01/22/13
180	81745--PB32		13022116	01/22/13
181	81746--PB33		13022117	01/22/13
182	81747--PB34		13022118	01/22/13
183	81748--HJ1		13022119	01/22/13
184	81749--HJ2		13022120	01/22/13
185	81750--HJ3		13022121	01/22/13
186	81751--HJ4		13022122	01/22/13
187	81752--HJ5		13022123	01/22/13
188	81753--HJ5A		13022124	01/22/13
189	81754--HJ6		13022125	01/22/13
190	81755--HJ7		13022126	01/22/13

#	Ref	Description	Drawing#	Date
191	81756--HJ8		13022127	01/22/13
192	81757--HJ9		13022128	01/22/13
193	81758--HJ10		13022129	01/22/13
194	81759--HJ11		13022130	01/22/13
195	81760--EJ1		13022131	01/22/13
196	81761--EJ2		13022132	01/22/13
197	81762--EJ3		13022133	01/22/13
198	81763--EJ4		13022134	01/22/13
199	81764--EJ5		13022135	01/22/13
200	81765--EJ6		13022136	01/22/13
201	81766--EJ7		13022137	01/22/13
202	81767--EJ7A		13022138	01/22/13
203	81768--EJ7B		13022139	01/22/13
204	81769--CJ1		13022140	01/22/13
205	81770--CJ1A		13022141	01/22/13
206	81771--CJ2		13022142	01/22/13
207	81772--CJ3		13022143	01/22/13
208	81773--CJ3A		13022144	01/22/13
209	81774--CJ3B		13022145	01/22/13
210	81775--CJ4		13022146	01/22/13
211	81776--CJ5		13022147	01/22/13
212	81777--CJ5A		13022148	01/22/13
213	81778--CJ6		13022149	01/22/13
214	81779--CJ7		13022150	01/22/13
215	81780--CJ8		13022151	01/22/13
216	81781--CJ9		13022152	01/22/13
217	81782--CJ10		13022153	01/22/13
218	81783--CJ11		13022154	01/22/13
219	81784--CJ12		13022155	01/22/13
220	81785--aet		13022156	01/22/13
221	81786--b		13022157	01/22/13
222	81787--aet		13022158	01/22/13
223	81788--b		13022159	01/22/13



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID: IUT39114Z0422135830



Truss Fabricator: **Anderson Truss Company**
Job Identification: **120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor**
Truss Count: **9**
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:
Address:
Minimum Design Loads: **Roof - 40.0 PSF @ 1.25 Duration**
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

-Truss Design Engineer-
William H. Krick

1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	81582--F86		13022211	01/22/13
2	81589--WG1	4-PLY	13022159	01/22/13
3	81592--R1		13022160	01/22/13
4	81593--R2		13022161	01/22/13
5	81594--R3		13022163	01/22/13
6	81626--R35		13022216	01/22/13
7	81663--R72		13022164	01/22/13
8	81785--aet		13022218	01/22/13
9	81787--aet		13022166	01/22/13

ALPINE

120 mph wind, 32.85 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

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 hangers and support conditions used at bearings indicated (H1) = Simpson LUS24 w/ (2)2x6 SP_#1_Dense_12A supporting 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.

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

R=867 U=110

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R9114- 81680
TC DL	10.0 PSF	DATE 01/21/13
BC DL	10.0 PSF	DRW HCUSR9114 13021001
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 96954
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

01/22/2013

Bracing of trusses. Apply plates to each face of ups 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 my structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: 1TH-BCC: www.fwdcoy.com; TPI: www.tpi.net; WTC: www.wtc-industry.com

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
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.

MWFRS loads based on trusses located at least 32.85 ft. from roof edge.

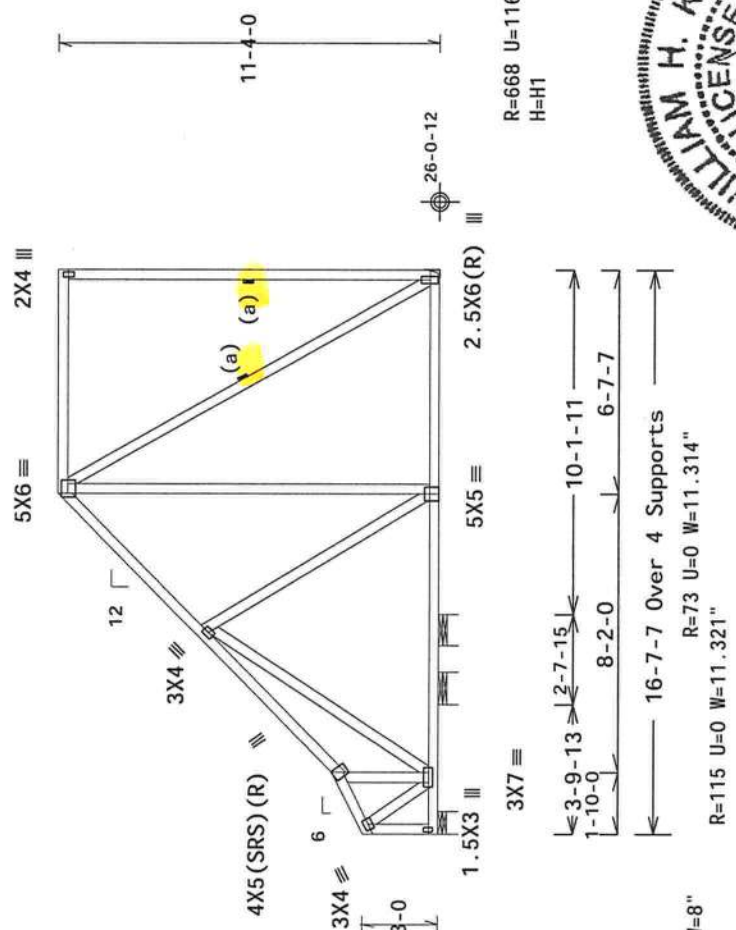
120 mph wind, 32.85 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 6Cpl(+/-)=0.18

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

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

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.

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



R=632 U=0 W=8"
RL=144/-57

PLT TYP. Wave

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

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .1875"/Ft.
TC DL	10.0 PSF	REF R9114- 81681	
BC DL	10.0 PSF	DATE 01/21/13	
BC LL	0.0 PSF	DRW HCUSR9114 13021003	
TOT.LD.	40.0 PSF	HC-ENG WHK/WHK	
DUR.FAC.	1.25	SEQN- 97070	
SPACING	24.0"	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 the manufacturer's literature for detailed instructions. The truss manufacturer shall be responsible for the design and engineering of the truss. The contractor shall be responsible for the proper installation and bracing of the truss. The contractor shall have a properly attached rigid collar. Locations shown for permanent lateral bracing and bottom chord 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 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 positions. A seal on this drawing indicates acceptance of professional engineering. The seal of the professional engineer 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.wtcaindustry.org; ICC: www.iccsafe.org

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

120 mph wind, 32.85 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.

(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.

factor for dead load is 1.50.



R=429 PLF U=0 PLF W=1-6-5
RL=94/-37 PLF

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

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

Trusses require extreme care in fabricating, handling, shipping, installing, and bracing. Refer to the following information for details. Trusses shall be fabricated in accordance with the following practices prior to performing these functions. Installers shall provide temporary bracing per AWS D1.1 for steel trusses and AWS D1.5 for aluminum trusses. Trusses shall be braced in accordance with the following practices prior to performing these functions. 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 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. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-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 engineer. For more information see: This job a general note page: ITW-BCG: www.itwbcg.com; AWS D1.1: www.aws.org; AWS D1.5: www.aws.org; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCTCA: www.wctca.net.com; ICC: www.iccsafe.org

TC LL	20.0	PSF	REF	R9114-	81683
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13022098
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	97072	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R93)

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.

120 mph wind, 35.31 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. $G_{CPI}(+/-)=0.18$

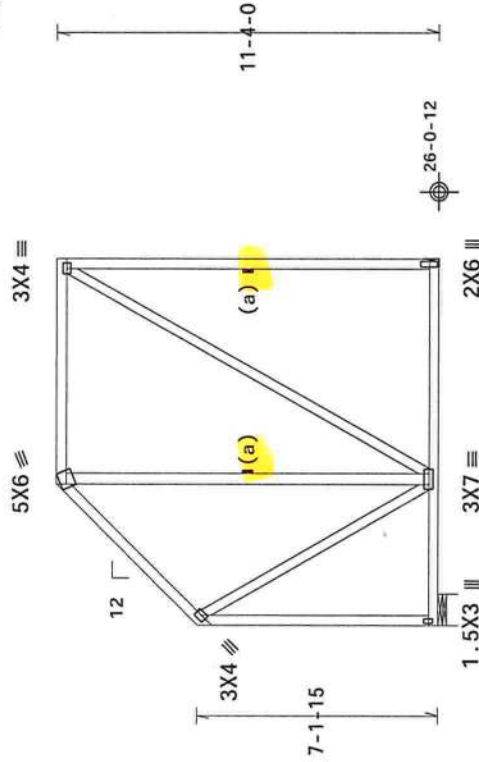
Wind loads and reactions based on MMFRS with additional C&C member design.

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.
(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.

MMFRS loads based on trusses located at least 17.66 ft. from roof edge.



4-2-1 6-7-7
10-9-8 Over 2 Supports

R=476 U=0 W=11.314"
RL=67/-29

R=476 U=115
H=H1

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

PLT TYP. Wave

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



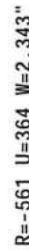
****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, shipping, handling, and bracing. Follow the manufacturer's instructions for proper installation and bracing. Unless noted otherwise, top chord shall have property attached structural sheathing and bottom chord shall have property attached rigid ceiling. Locations shown for permanent lateral restraint 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 Detail. Trusses shall be installed in accordance with the manufacturer's instructions. A seal on this drawing or cover page listing this design shall not be used to represent 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

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .1875"/Ft.
TC DL	10.0 PSF	REF	R9114- 81684
BC DL	10.0 PSF	DATE	01/21/13
BC LL	0.0 PSF	DRW	HCU89114 13021007
TOT.LD.	40.0 PSF	HC-ENG	WHK/WHK
DUR.FAC.	1.25	SEQN-	97073
SPACING	24.0"	FROM	SDY
		JREF-	1UT39114Z04

Negative reaction(s) of -561# MAX. (See below) from a non-wind load case requires uplift connection.

120 mph wind, 36.27 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.

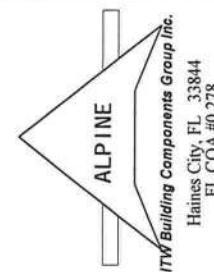
Design Crit: $\text{FBC2010Res}/\text{TPI}-2007(\text{STB})$
 $\text{FT}/\text{RT}=20\%(0\%)/10(0)$

****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. Refer to the following literature of BCSI (Building Component Safety Information, by TPI and WICA) for more information on proper practices to be followed:

• **Unbraced trusses.** Copy BCSI shall have properly attached structural sheathing and bottom chord shall have a property attached rafter colling. Locations shown for permanent lateral restraint or shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

• **ITW Building Components Group Inc. (TWBCG)** shall not be responsible for any deviation from this section. Any failure to build the truss in conformance with AISI/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 Designer per AISI/TPI 1 Sec.2. For more information see: This job's responsibility page; ITW-BCSI: www.tbcsig.com; ITW-TPI: www.tpiinc.org; WICA: www.sbcindustry.com; BCSI: www.bcsi.org



FL/-/5/-/-/R/-		Scale = .25"/Ft.
TC LL	20.0 PSF	REF R9114- 81685
TC DL	10.0 PSF	DATE 01/21/13
BC DL	10.0 PSF	DRW HCUSR9114 13021008
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 97074
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R96)

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.

120 mph wind, 35.73 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

Left end vertical not exposed to wind pressure.

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

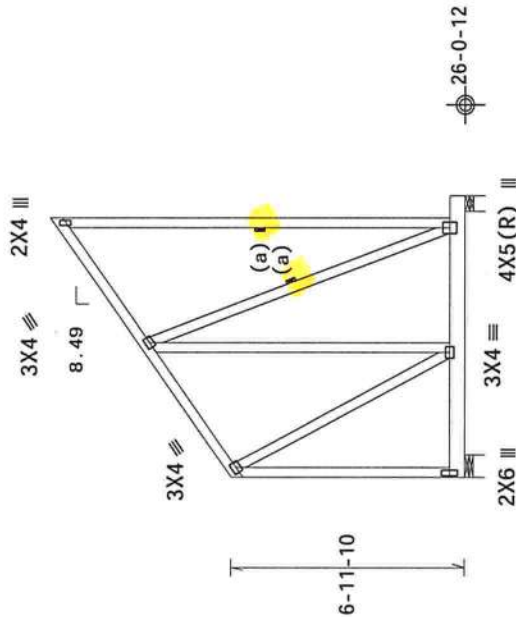
Special loads

Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 64 pif at 0.00 to 64 pif at 7.63
BC- From 20 pif at 0.00 to 20 pif at 2.82
BC- From 10 pif at 2.82 to 10 pif at 5.64
BC- From 20 pif at 5.64 to 20 pif at 7.63
BC- From 80 pif at 7.63 to 80 pif at 8.29
BC- 304.00 lb Conc. Load at 2.82
BC- 162.23 lb Conc. Load at 5.64

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.



8-3-9 Over 2 Supports

R=589 U=82 W=8"
R=547 U=75 W=5.5"

PLT TYP. Wave

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

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .1875"/Ft.
TC DL	10.0 PSF		REF R9114- 81687
BC DL	10.0 PSF		DATE 01/21/13
BC LL	0.0 PSF		DRW HCUSR9114 13021010
TOT. LD.	40.0 PSF		HC-ENG WHK/WHK
DUR. FAC.	1.25		SEQN- 97076
SPACING	24.0"		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 the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for instructions on performing these functions. Installers shall provide temporary bracing per the instructions in the BCSI manual. Trusses shall be installed in accordance with the instructions in the BCSI manual. 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. The responsibility of the Building Designer per ANSI/TPI 1, Sec. 2, For information on the Building Designer's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

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 , ** - R97)

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.

120 mph wind, 35.24 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

Left end vertical not exposed to wind pressure.

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

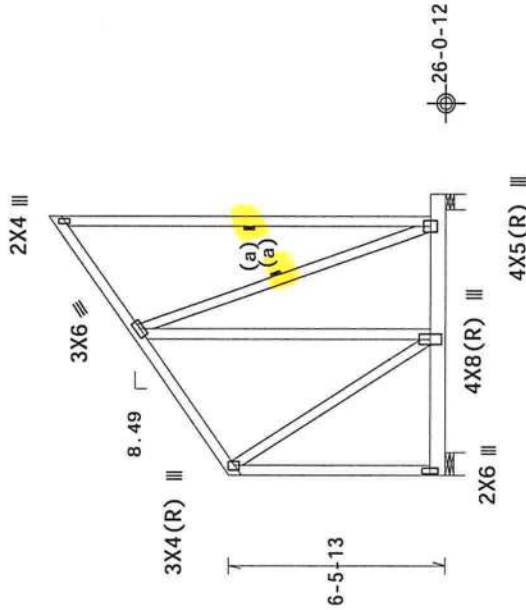
Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 64 plf at 0.00 to 64 plf at 7.63
BC- From 10 plf at 0.00 to 10 plf at 7.63
BC- From 70 plf at 7.63 to 70 plf at 8.29
BC- 540.92 lb Conc. Load at 0.90
BC- 542.85 lb Conc. Load at 2.90
BC- 544.99 lb Conc. Load at 4.90
BC- 563.38 lb Conc. Load at 6.90

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.



8-3-9 Over 2 Supports

R=1462 U=107 W=8"
R=1345 U=117 W=5.5"

PLT TYP. Wave

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R9114- 81688
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021011
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97077
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 end
notes for details. Trusses are designed and fabricated by ITW Building Components Group Inc. by
practices prior to performing these functions. Trusses shall be installed by qualified personnel.
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 BCS 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
details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this
drawing shall be provided by the Building Designer. 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.abctindustry.com;
ICC: www.iccsafe.org

ALP INE

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

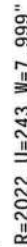
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 26.73 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.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 2-6-0 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 2-6-0 overhang.

Right side jacks have 7-0-0 setback with 0-0-0 cant and 2-6-0 overhang.

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

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

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

Trussing require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following latest edition of BESI (Building Component Safety Information, by TPI and WTCa) for safety practices prior to performing these functions. Installers shall provide temporary bracing per the instructions noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BESI sections 83, 87 or 810, or per the manufacturer's instructions.

[illegible]

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R9114- 81689
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021012
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97078
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

01/22/2013

Haines City, FL 33844
FL COA #0 278

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

120 mph wind, 27.73 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.

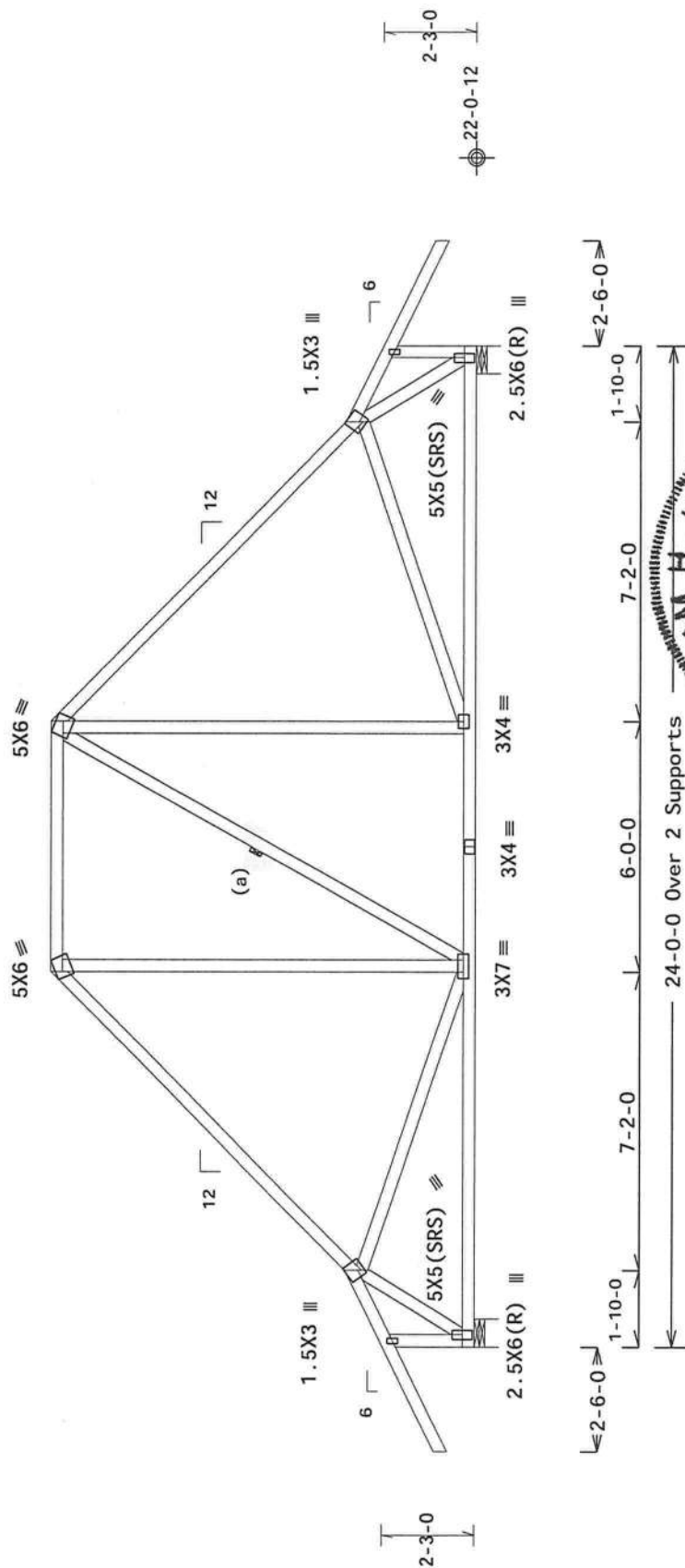
Wind loads and reactions based on MWFRS with additional C&C member design.

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.



R=1256 U=145 W=7.999"
RL=196/-196

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

Scale = .25"/Ft.

10.03.11.0209.19

TC LL	20.0	PSF	REF	R9114-	81690
TC DL	10.0	PSF	DATE	01/21/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13021027
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0	PSF	SEQN-	97079	
DUR. FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12583
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. The following instructions must be followed to insure proper installation of the BCS Truss System. Trusses are to be installed by experienced truss installers prior to performing these functions. Installers shall provide temporary bracing per AISC 308. Trusses are to be installed in accordance with the design 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 of trusses 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. 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 180A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering design services by ITWBCG. The responsibility and use of this design for any structure is the responsibility of the user. For more information, contact ITWBCG at: www.itwbcg.com. This job is a general notes page. ITW-BCG: www.itwbcg.com; www.tpi.net/org; www.abctindustry.com; www.1ccsaafe.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

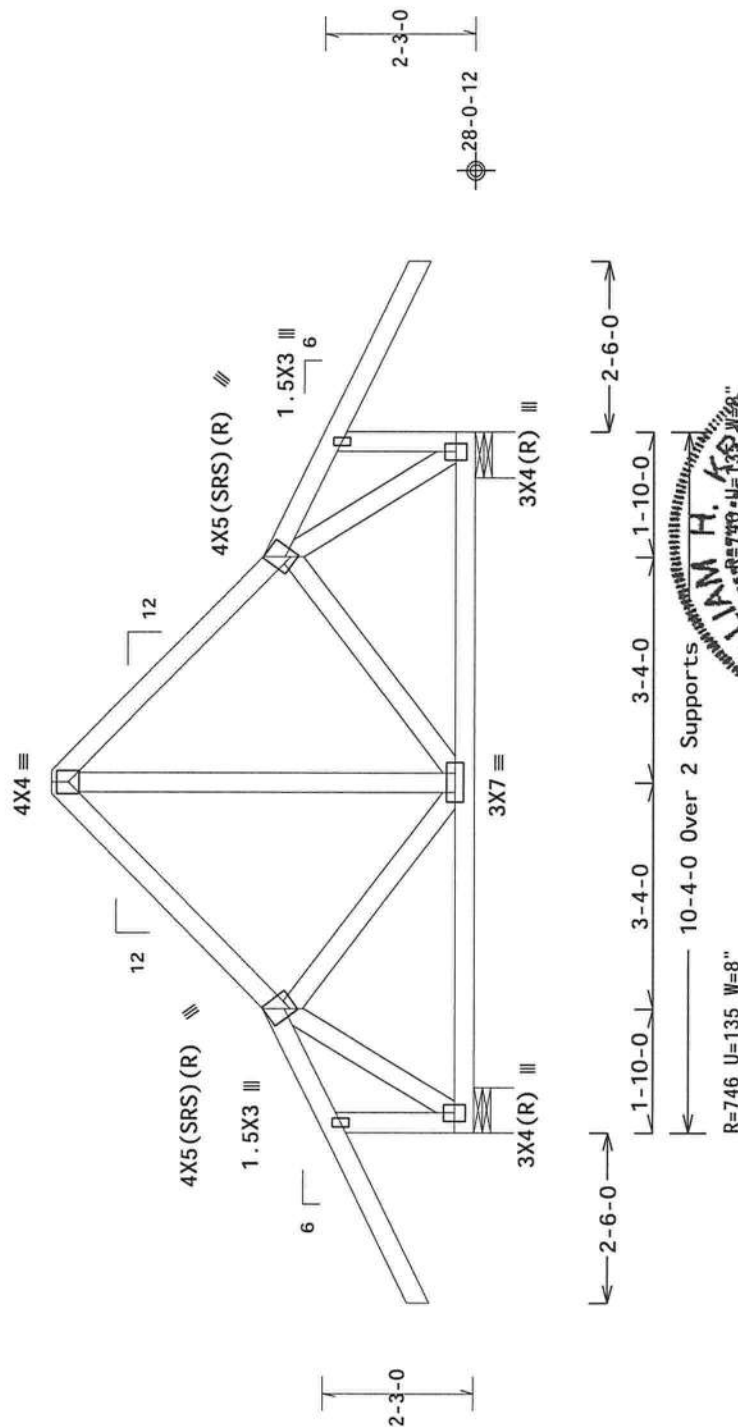
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 31.73 ft mean hgt, ASCE 7-10, CLOSED bldg, 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.

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

perfection meets L/300 live and L/240 total load. Creep increase factor for dead load is 1.50.

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.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. To follow the latest edition of BC51 (Building Accessibility Information System) and the practices prior to performing these functions, installers must be trained and tested. Withoutness noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid coiling. Locations shown for permanent lateral restraint shall have bracing installed per BC51 sections B3, B7 or B10, as applicable.

LTV Building Components Group Inc. (TWB60) shall not be responsible for any deviation from this drawing or specification due to any failure to build the truss in accordance with ANSI/TPI 1 for steel joists and on the joint 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 your structure is the responsibility of the building designer per ANSI/TPI 1 Sec. 2. For more information: This Job's Engineer/Designer/Owner: LTV-B60; www.ltveng.com; TPI: www.tpiinc.org; WCA: www.shcindustries.com; LCV: www.lcvsteel.com

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

FL/-/5/-/-/R/-	Scale = .375"/Ft.	
TC LL	20.0 PSF	REF R9114- 81691
TC DL	10.0 PSF	DATE 01/21/13
BC DL	10.0 PSF	DRW HCUSR9114 1302101
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 97080
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

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. $G C p_i (+/-) = 0.18$

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/ (1)2x6 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.

Special loads

TC- From 60 plf at 0.00 to 60 plf at 1.25
BC- From 20 plf at 0.00 to 20 plf at 4.48
TC- 361.59 lb Conc. Load at 1.45
TC- 41.19 lb Conc. Load at 3.45

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

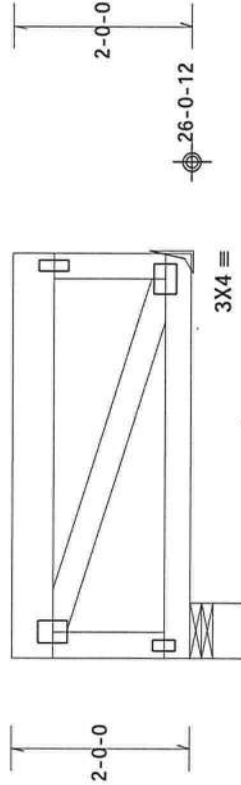
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

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.

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

3X4 (R) III 1.5X4 III



1.5X3 III

4-5-12 Over 2 Supports →
R=433 U=49 W=7.25" R=328 U=43
H=H1

PLT TYP. Wave

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R9114- 81692
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021014
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	97081
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	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. Refer to the Building Component Safety Information, by TPI and WTC for detailed instructions. Trusses are not to be used for any other purpose. Trusses shall have a properly attached rigid collar. Locations shown for permanent lateral restraint of trusses 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 & 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-Z for standard plate positions. A seal on this drawing, unless noted otherwise, 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; WTC: www.sbcindustry.com; ICC: www.iccsafe.org

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, ** - R102)

Top chord 2x6 SP #1_Dense_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.

120 mph wind, 28.06 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

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.

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

Special loads

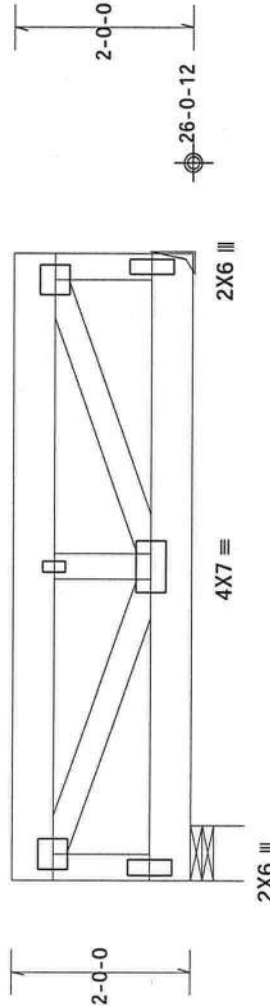
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at 0.00 to 60 plf at 6.94
BC- From 20 plf at 0.00 to 20 plf at 6.94
TC- 361.59 lb Conc. Load at 2.12
TC- 41.19 lb Conc. Load at 4.12
TC- 161.58 lb Conc. Load at 5.21
BC- 328.22 lb Conc. Load at 5.15

Wind loads and reactions based on MWFRS.

These support conditions used at bearings indicated
(H1) = Simpson LU26 w/ (1)2x6 SP #1_Dense_12A supporting member.
(6) 0.162"x3.5" nails into supporting member.
(4) 0.148"x1.5" nails into supported member.

Truss must be installed as shown with top chord up.

4X4 ≡ 1.5X3 ≡ 4X4 ≡



6-11-4 Over 2 Supports
R=670 U=94 W=7.25
R=777 U=142 H=H1

PLT TYP. Wave

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R9114- 81693
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HOURS9114 13021015
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97082
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 BTGA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached rigid collar. Local bracing shall be provided per BCSI. 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 or installing the trusses. 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. ITWBCG is not responsible for the use of this design for any structure. General notes page: ITWBCG: www.itwbcg.com TPI: www.tpi.net.org WGA: www.structure.org
ICC: www.iccafo.org

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, ** - R103)

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.

120 mph wind, 30.73 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.

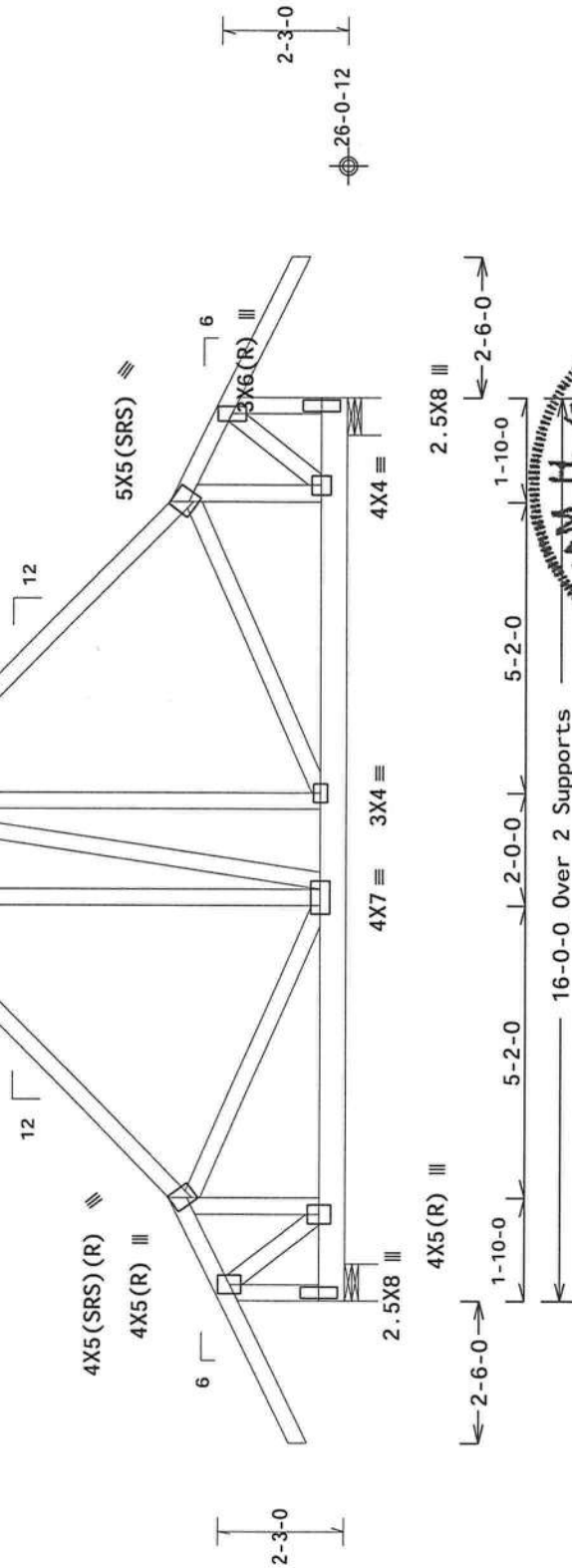
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.

Creep increase factor for dead load is 1.50.

Special loads

	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 4.60
TC- From	34 pif at 4.60 to	34 pif at 7.00
TC- From	62 pif at 7.00 to	62 pif at 9.00
TC- From	68 pif at 9.00 to	68 pif at 14.17
TC- From	62 pif at 14.17 to	62 pif at 18.50
BC- From	4 pif at -2.50 to	4 pif at 0.00
BC- From	20 pif at 0.00 to	20 pif at 4.60
BC- From	20 pif at 4.60 to	20 pif at 8.96
BC- From	4 pif at 16.00 to	4 pif at 18.50
TC- 151.72 lb Conc.	Load at 7.06	
TC- 491.18 lb Conc.	Load at 8.97	
BC- 777.20 lb Conc.	Load at 4.60	
BC- 161.49 lb Conc.	Load at 7.06	
BC- 406.72 lb Conc.	Load at 8.96	



R=1903 U=471 W=8"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STB)

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

FL/-5/-/-R/-

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R9114- 81694
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021016
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97083
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

WILLIAM H. KIRCK
ENGINEER
No. 70861
10.03.11.02/09.19
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 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 per BCSI requirements. Trusses shall be properly braced and bracing shall be installed and bracing shall have a properly attached rigid collar and 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. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

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 , ** - RT04)

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

120 mph wind, 30.73 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

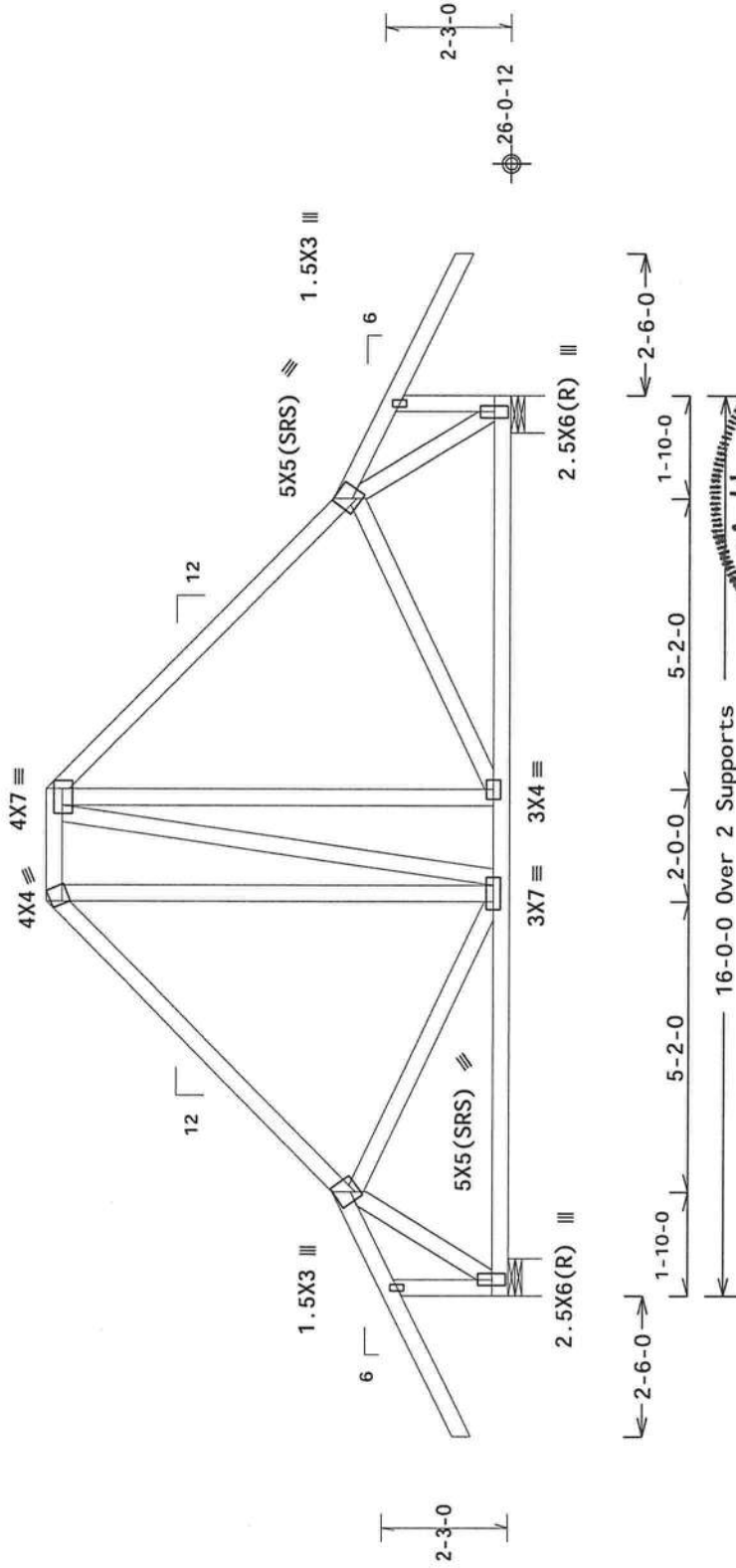
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Wind loads and reactions based on MWFRS.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 2-6-0 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 2-6-0 overhang.
Right side jacks have 7-0-0 setback with 0-0-0 cant and 2-6-0 overhang.

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



R=1363 U=231 W=8"



PLT TYP. Wave

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

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .3125"/Ft.
TC DL	10.0 PSF	REF R9114- 81695	
BC DL	10.0 PSF	DATE 01/21/13	
BC LL	0.0 PSF	DRW HCUSR9114 13021017	
TOT. LD.	40.0 PSF	HC-ENG WHK/WHK	
DUR. FAC.	1.25	SEQN- 97084	
SPACING	24.0"	FROM SDY	
		JREF- 1UT39114Z04	

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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for safety practices prior to performing these functions. Installers shall provide temporary bracing and blocking to maintain proper pitch and alignment of the truss during installation. Trusses shall be installed and shall have a properly attached rigid ceiling. Locations shown for gables, lateral bracing and blocking 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 user. For more information see: This Job's general notes page, ITW-BCSI: www.itwbcg.com, TPI: www.tpi.net, WTC: www.alcscare.org, ICC: www.iccsafe.org

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

120 mph wind, 17.67 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.

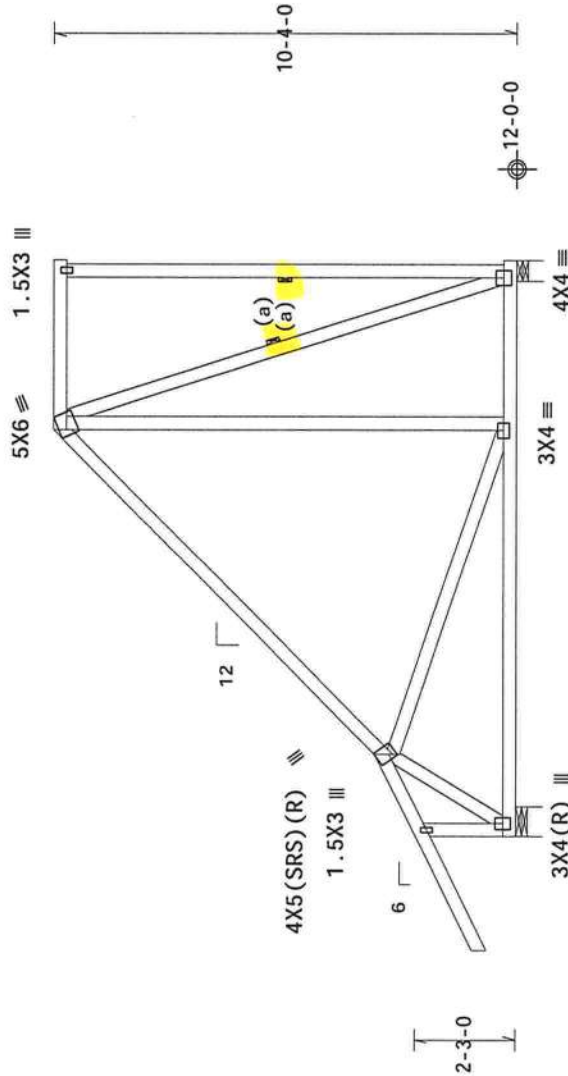
Bottom chord checked for 10.00 psf non-concurrent live load.

(a) Continuous lateral bracing equally spaced on member.

MWFRS loads based on trusses located at least 8.83 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.



12-9-0 Over 2 Supports
R=729 U=0 W=8"
RL=153/-79



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

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R9114- 81697
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021019
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	97086
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

PLT TYP. Wave



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

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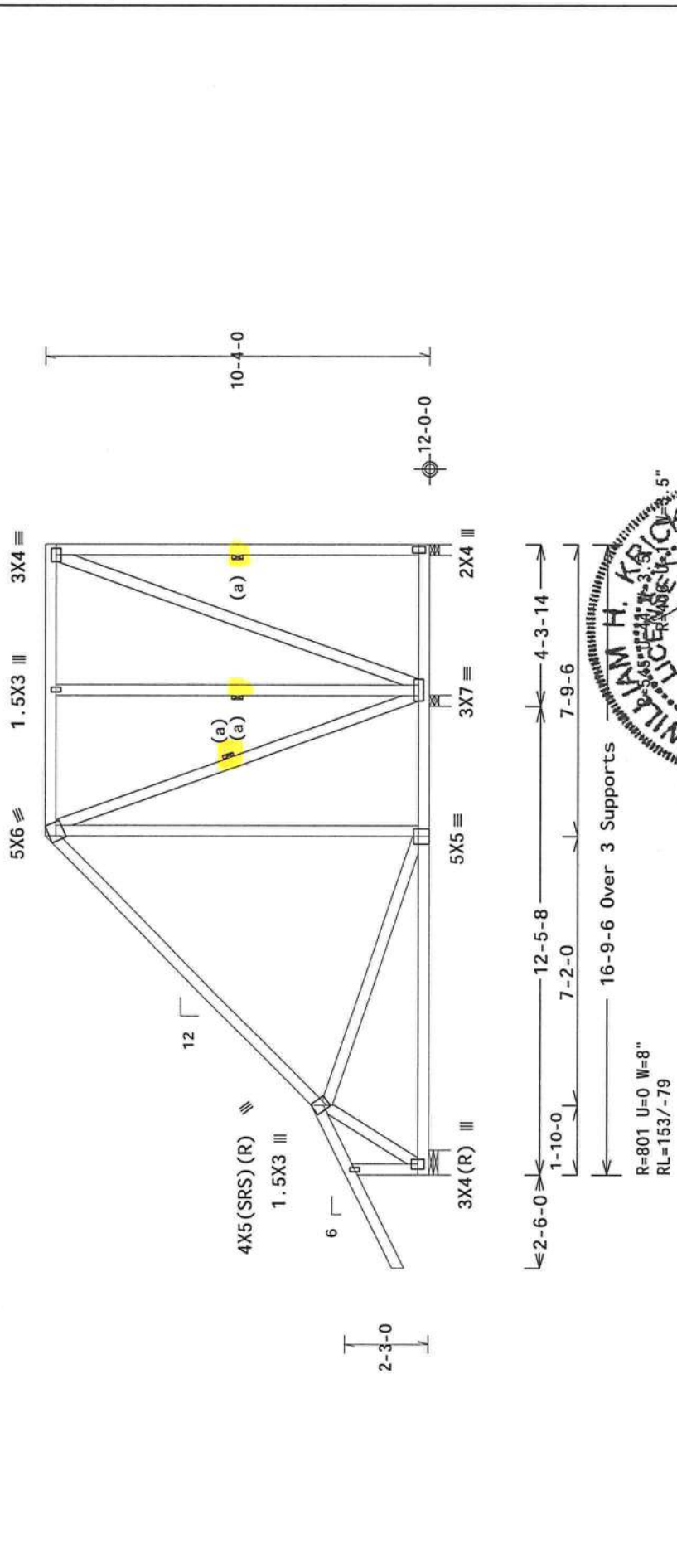
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. Refer to drawings 180A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing. This indicates acceptance of professional engineering responsibility solely for the design shown. The acceptability and use of this design for any structure is the responsibility of the user. This document is not to be used for any other purpose. This Job # is: 120912RX. General notes page: ITW-BG0: www.itwbcg.com; TPI: www.tpi.net; WTCA: www.wtcaindustry.com; ICC: www.iccsafe.org

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

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

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

MWFRS loads based on trusses located at least 8.83 ft. from roof edge. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STP)

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

No. 70861

10.03.11.0409.19

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

Scale = 25"/Ft.

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

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ITW Building Components Group Inc. (ITWBGC) 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, installation, bracing of trusses. Apply places to each face of truss and position as shown above and on the Joint Drawing. Truss shall be braced in accordance with the provisions of the design. This design is a preliminary drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility solely for the design shop. The suitability and use of this design for any structure is the responsibility solely for the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BGC: www.itwbgc.com; TPI: www.tpinet.org; WIGA: www.abcdindustry.com; ICC: www.iccsafe.org

01/22/2013

TC LL	20.0	PSF	REF	R9114-	81698
TC DL	10.0	PSF	DATE	01/21/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13021020
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0	PSF	SEQN-	97087	
DUR. FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

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ITW Building Components Group Inc. (ITWBGC) 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, installation, bracing of trusses. Apply places to each face of truss and position as shown above and on the Joint Drawing. Truss shall be braced in accordance with the provisions of the design. This design is a preliminary drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility solely for the design shop. The suitability and use of this design for any structure is the responsibility solely for the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BGC: www.itwbgc.com; TPI: www.tpinet.org; WIGA: www.abcdindustry.com; ICC: www.iccsafe.org

01/22/2013

TC LL	20.0	PSF	REF	R9114-	81698
TC DL	10.0	PSF	DATE	01/21/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13021020
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0	PSF	SEQN-	97087	
DUR. FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

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01/22/2013

TC LL	20.0	PSF	REF	R9114-	81698
TC DL	10.0	PSF	DATE	01/21/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13021020
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0	PSF	SEQN-	97087	
DUR. FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

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01/22/2013

TC LL	20.0	PSF	REF	R9114-	81698
TC DL	10.0	PSF	DATE	01/21/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13021020
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0	PSF	SEQN-	97087	
DUR. FAC.	1.25		FROM	SDY	
SPACING	24.0"				

Top chord	2x4	SP_#1_12A
Bot. chord	2x6	SP_#1_Dense_12A
Webbs	2x4	SP_#3_12A

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

120 mph wind, 16.67 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

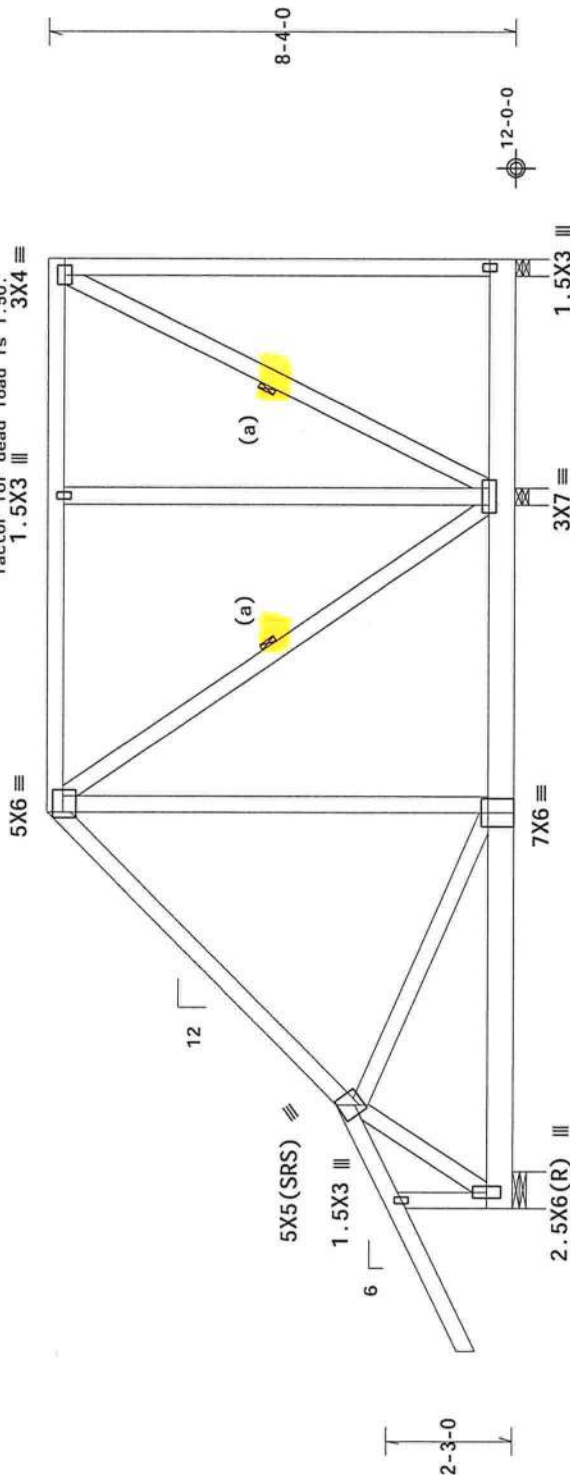
Wind loads and reactions based on MWFRS.

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

Right end vertical 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.



Elevation drawing of the bridge deck showing dimensions and support locations. The drawing includes the following dimensions and labels:

- Span 1: 2-6-0
- Span 2: 1-10-0
- Span 3: 5-2-0
- Span 4: 12-5-8
- Span 5: 4-3-14
- Span 6: 9-9-6
- Span 7: 16-9-6 Over 3 Supports
- Span 8: 16-9-6 Over 3 Supports
- Span 9: 16-9-6 Over 3 Supports
- Span 10: 16-9-6 Over 3 Supports
- Span 11: 16-9-6 Over 3 Supports
- Span 12: 16-9-6 Over 3 Supports
- Span 13: 16-9-6 Over 3 Supports
- Span 14: 16-9-6 Over 3 Supports
- Span 15: 16-9-6 Over 3 Supports
- Span 16: 16-9-6 Over 3 Supports
- Span 17: 16-9-6 Over 3 Supports
- Span 18: 16-9-6 Over 3 Supports
- Span 19: 16-9-6 Over 3 Supports
- Span 20: 16-9-6 Over 3 Supports
- Span 21: 16-9-6 Over 3 Supports
- Span 22: 16-9-6 Over 3 Supports
- Span 23: 16-9-6 Over 3 Supports
- Span 24: 16-9-6 Over 3 Supports
- Span 25: 16-9-6 Over 3 Supports
- Span 26: 16-9-6 Over 3 Supports
- Span 27: 16-9-6 Over 3 Supports
- Span 28: 16-9-6 Over 3 Supports
- Span 29: 16-9-6 Over 3 Supports
- Span 30: 16-9-6 Over 3 Supports
- Span 31: 16-9-6 Over 3 Supports
- Span 32: 16-9-6 Over 3 Supports
- Span 33: 16-9-6 Over 3 Supports
- Span 34: 16-9-6 Over 3 Supports
- Span 35: 16-9-6 Over 3 Supports
- Span 36: 16-9-6 Over 3 Supports
- Span 37: 16-9-6 Over 3 Supports
- Span 38: 16-9-6 Over 3 Supports
- Span 39: 16-9-6 Over 3 Supports
- Span 40: 16-9-6 Over 3 Supports
- Span 41: 16-9-6 Over 3 Supports
- Span 42: 16-9-6 Over 3 Supports
- Span 43: 16-9-6 Over 3 Supports
- Span 44: 16-9-6 Over 3 Supports
- Span 45: 16-9-6 Over 3 Supports
- Span 46: 16-9-6 Over 3 Supports
- Span 47: 16-9-6 Over 3 Supports
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- Span 57: 16-9-6 Over 3 Supports
- Span 58: 16-9-6 Over 3 Supports
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- Span 61: 16-9-6 Over 3 Supports
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- Span 83: 16-9-6 Over 3 Supports
- Span 84: 16-9-6 Over 3 Supports
- Span 85: 16-9-6 Over 3 Supports
- Span 86: 16-9-6 Over 3 Supports
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- Span 88: 16-9-6 Over 3 Supports
- Span 89: 16-9-6 Over 3 Supports
- Span 90: 16-9-6 Over 3 Supports
- Span 91: 16-9-6 Over 3 Supports
- Span 92: 16-9-6 Over 3 Supports
- Span 93: 16-9-6 Over 3 Supports
- Span 94: 16-9-6 Over 3 Supports
- Span 95: 16-9-6 Over 3 Supports
- Span 96: 16-9-6 Over 3 Supports
- Span 97: 16-9-6 Over 3 Supports
- Span 98: 16-9-6 Over 3 Supports
- Span 99: 16-9-6 Over 3 Supports
- Span 100: 16-9-6 Over 3 Supports

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

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. Follow the latest edition of BCSP (Building Component Safety Information, by TPI and WTCA) for truss erection and bracing. Trusses are not to be braced or shored prior to top chord having properly attached temporary bracing and bottom chord having properly attached structural sheathing and bottom chord having 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. (TWBC) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/TPI 1-91 for handling, shipping, installation or any other processing details, unless noted otherwise. Refer to drawings I60A-2 for standard plate positions and on the joint. Apply plates to each face of trusses and position as shown above and on the joint. The manufacturer's 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: ITW-BUCG; www.itwbcg.com; TPI: www.tpinet.org; WTC: www.sbcindustry.com;

ALPINE

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

01/22/2013

TC LL	20.0	PSF	REF	R9114-	81699
TC DL	10.0	PSF	DATE	01/21/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13021021
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0	PSF	SEQN-	97088	
DUR. FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

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.

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.

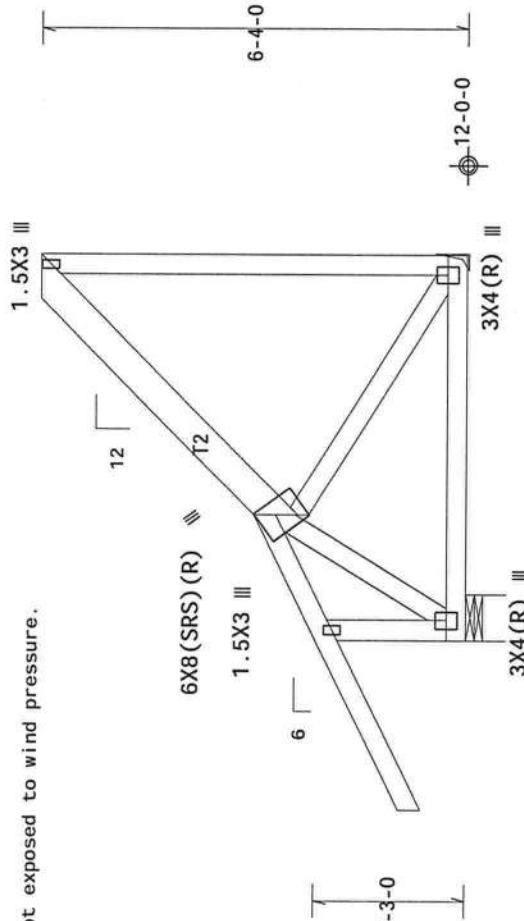
Right end vertical not exposed to wind pressure.

120 mph wind, 15.67 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 with additional C&C member design.

These support conditions used at bearings indicated

(H1) = Simpson LUS24 w/ (1)2x8 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 → 3-10-0
← 5-8-0 Over 2 Supports →
R=445 U=0 W=8"
RL=90/-49
R=206 U=41
H=H1

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

PLT TYP. Wave

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



TC LL	20.0 PSF	REF	R9114- 81700
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021022
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97089
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET
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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the recent edition of BCSI (Building Component Safety Information, by TPI and WTCA) for details on proper installation and bracing. Trusses shall be installed in accordance with the instructions provided. Unless noted otherwise, top 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.
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 & 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, unless noted otherwise, indicates acceptance of professional engineering. The responsibility for the design and construction of any structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information, visit our website. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net; WTCA: www.wtcaindustry.org; ICC: www.iccsafe.org

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

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

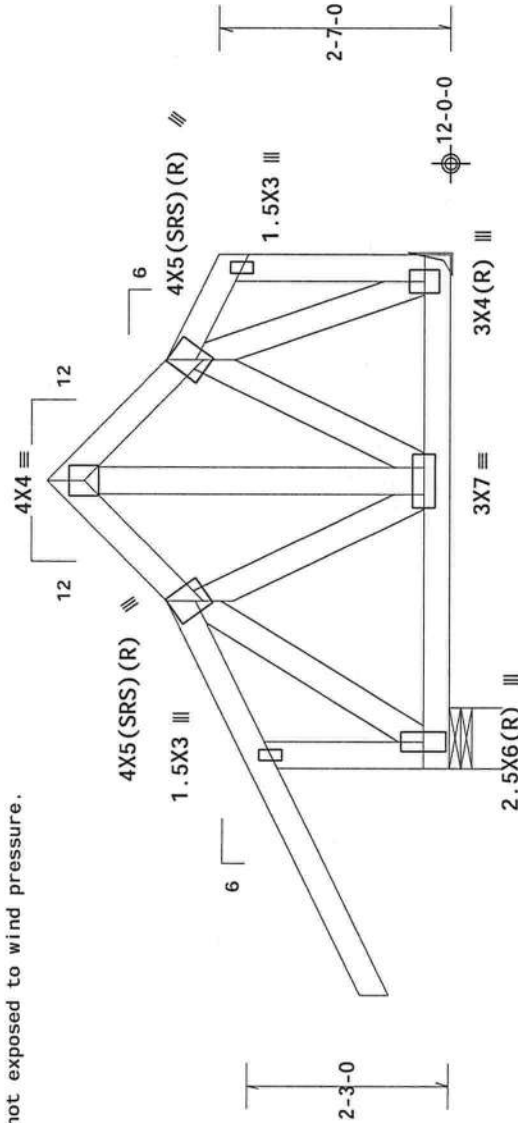
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

These support conditions used at bearings indicated (H1) = Simpson LUS24 w/ (1)2x8 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.

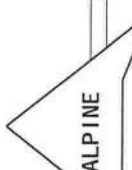


2-6-0
1-10-0 1-4-0 1-3-15 1-2-1
5-8-0 Over 2 Supports
R=444 U=0 W=8"
RL=48/-55

PLT TYP. Wave

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

Scale = .5"/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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) 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 83, 87 or 810, 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, or bracing. Apply plates to each face of truss and position as shown above and on the Joint Detail. Detailing and construction shall be in accordance with the BCSI sections 83, 87 or 810, as applicable. Drawing or cover page listing this design. Indicates acceptance of professional engineering seal on this the 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.tpi.net; WTA: www.wtaindustry.com; ICC: www.iccsafe.org		REF	R9114- 81702
	DATE		01/21/13	
	DRW		HCUSR9114	13021024
	HC-ENG		WHK/WHK	
	SEQN-		97091	
01/22/2013	FROM		SDY	
	JREF-		1UT39114Z04	

120 mph wind, 17.61 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.

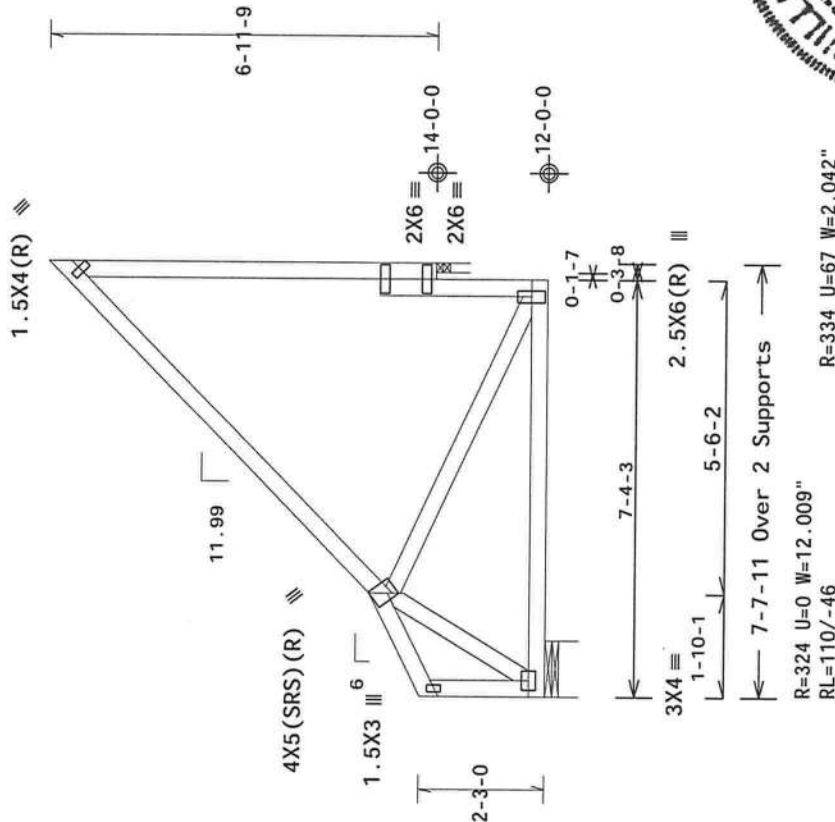
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

Left end vertical not exposed to wind pressure.

MWFRS loads based on trusses located at least 8.80 ft. from roof edge.



R=334 U=67 W=2.042"

R=324 U=0 W=12.009"

RL=110/-46

PLT TYP. Wave

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

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R9114- 81704
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021026
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97093
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

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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 latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI instructions. Trusses shall be properly braced and bracing shall be attached to the truss members. Trusses shall have a properly attached structural sheathing and bottom chord bracing. 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 for 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-Z 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 engineer. For more information see: This Job's general notes page: ITW-BCSI: www.itwbcg.com, TPI: www.tpiinc.org, WTA: www.wtaindustry.com, ICC: www.iccsafe.org

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 70861
10.03.11.0009.19
01/22/2013

WILLIAM H. KRICK
LICENSE

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

Top chord 2x4 SP #1_12A :T2 2x6 SP #1_Dense_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 -2.51 to 62 pif at 1.85
TC- From 68 pif at 1.85 to 68 pif at 10.74
BC- From 4 pif at -2.51 to 4 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 10.25
BC- From 26 pif at 10.25 to 26 pif at 10.74
BC- 4464.70 lb Conc. Load at 8.00

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, GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS.

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.

These support conditions used at bearings indicated
(H1) = Simpson HGS26-2 w/ (2)2x8 SP #1_Dense_12A supporting member.
(20) 0.162"x3.5" nails into supporting member,
(8) 0.162"x3.5" nails into supported member.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3", min. nails

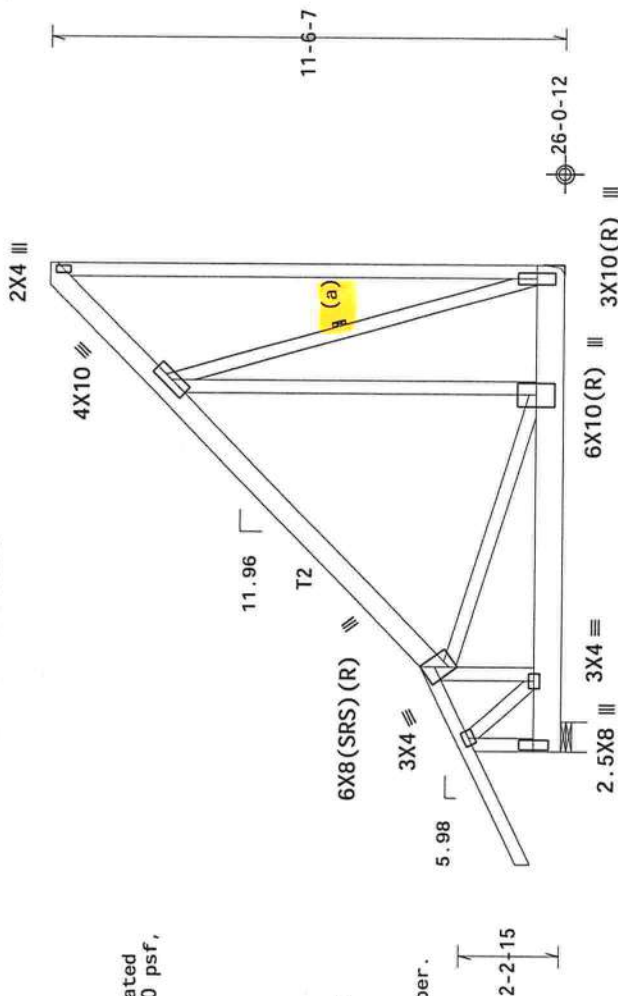
Top Chord: 1 Row @ 12.00" o.c.

Bot Chord: 1 Row @ 3.50" 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.



R=3780 U=890
H=H1

L=2-6-1
1-10-3
8-10-11
10-8-14 Over 2 Supports
R=1791 U=428 W=8.025"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STB)

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

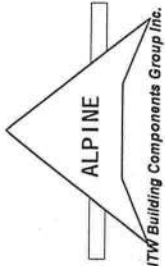
FL/-/5/-/-/R/-

Scale = .25"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For to and from the recent edition of BCSI (Building Component Safety Information, by TPI and WTA) read carefully. Unless noted otherwise, top chord shall have permanent lateral bracing and bottom chord 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 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-2 for standard plate positions. A seal on this drawing, unless noted otherwise, indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1 and use of this design for any structure is the responsibility of the Building Designer. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTA: www.alcindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 81705
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022219
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97094
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

2 COMPLETE TRUSSES REQUIRED

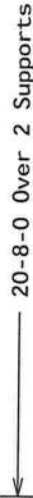
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Use equal spacing between rows and stagger nails

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

Wind loads and reactions based on MWFRS:

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

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

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R9114-	81706
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSE9114	13022099
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	97095	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

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

OVERSEEN CASE IN FABRICATING HANDGUN

erecting, bracing, shoring, installing and bracing. Refer to the edition of BCSI (Building Component Safety Information, by TPI and WCA) for performing these functions. Installers shall provide temporary bracing per applicable code requirements. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint installed per BCSI sections 83, 87 or B10, as applicable.

Welding Group Inc. (WIBGEC) shall not be responsible for any deviation from this drawing. The welder is responsible for the trueness in conformance with ANSI/T91.1 for the base metal and the filler metal. Apply plates to each face of truss and position as shown above and on the joint. Do not use the indicated plate position. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing 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 design engineer. For more information see: This job's drawing listing by your firm. For more information see: www.spintec.org; www.wibgrec.com; www.sciindustry.com; www.wibgrec.com.

01/22/2013

page listing this drawing. Indicates acceptance of professional engineering seal for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ASHRAE T1 Soc.2. For more information see: This job's drawings. ITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; WTCA: www.abcdindustry.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
Webs 2x4 SP_#3_12A

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

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

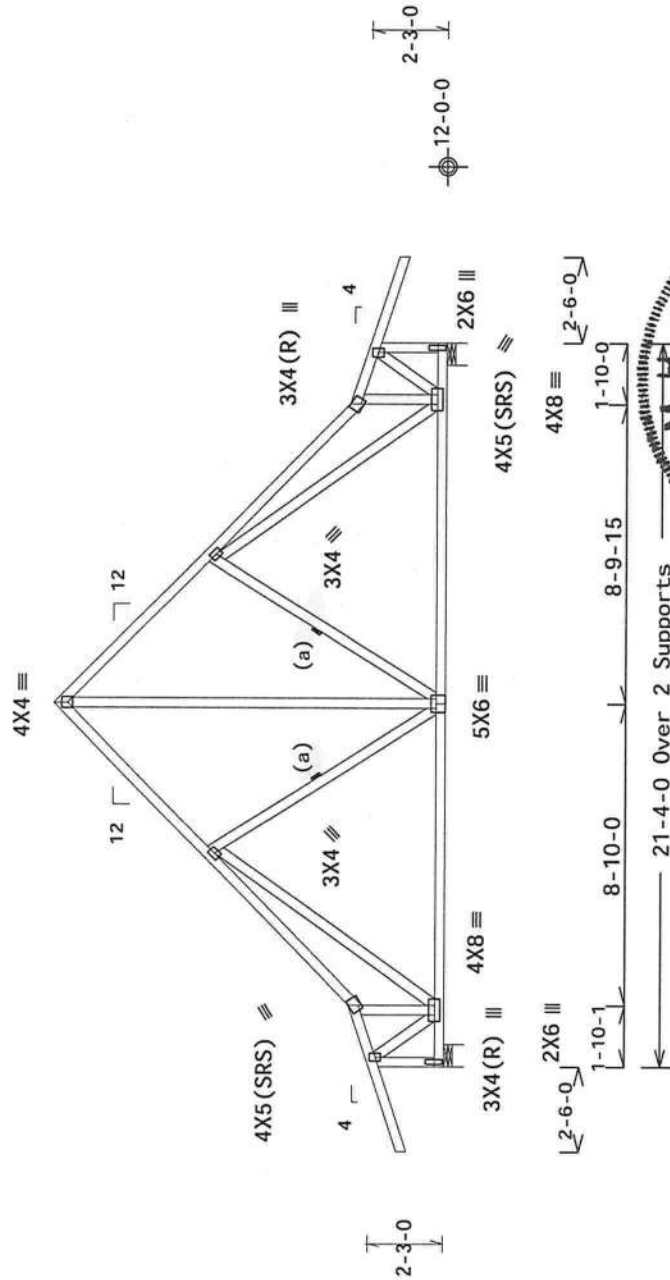
120 mph wind, 18.55 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

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

(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.



R=1241 U=20 W=8"
RL=193/-193

21'-4"-0 Over 2 Supports

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- 81708
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021029
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97097
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. Follow the latest edition of BCSI (Building Component Safety Institute) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

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



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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R118)

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

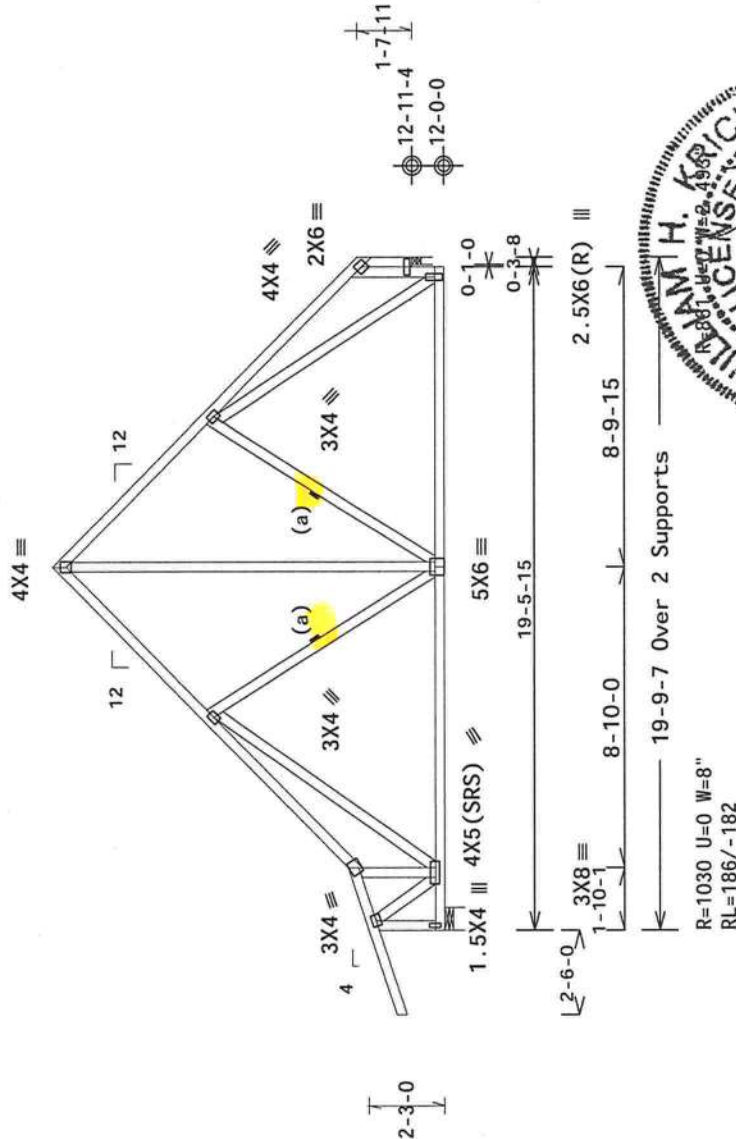
120 mph wind, 18.55 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

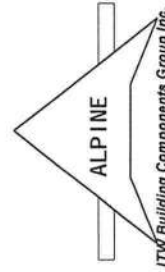
(a) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 9.28 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- 81709
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021030
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97098
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET
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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For cold
follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA).
Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint
shall have bracing installed per 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 180A-2 for standard plate positions. A seal on this
drawing or cover page listing this drawing, indicates acceptance of professional engineering. 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



(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R119)

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

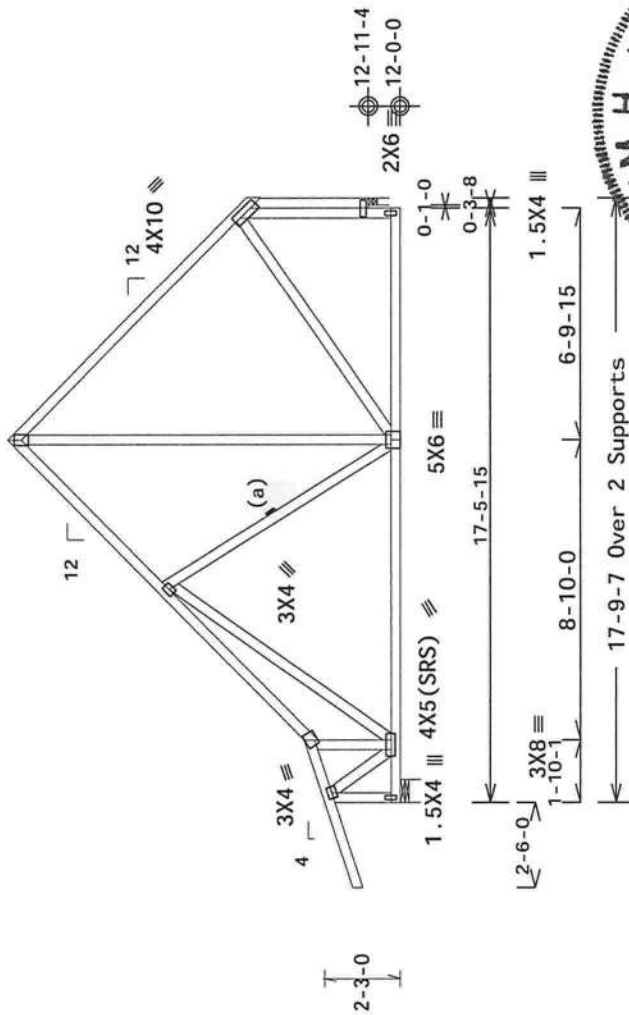
120 mph wind, 18.55 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

(a) Continuous lateral bracing equally spaced on member.

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

4X5(R) III



R=943 U=13 W=8"
RL=171/-158



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

Scale = .1875"/Ft.	REF	R9114-	81710
TC LL	20.0 PSF	DATE	01/21/13
TC DL	10.0 PSF	DRW	HCUSR9114 13021031
BC DL	10.0 PSF	HC-ENG	WHK/WHK
BC LL	0.0 PSF	SEQN-	97099
TOT.LD.	40.0 PSF	FROM	SDY
DUR.FAC.	1.25	JREF-	1UT39114Z04
SPACING	24.0"		

PLT TYP. Wave

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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by TPI and WCA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for 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, 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.tpiinst.org; WCA: www.alcusa.org; ICC: www.iccsafe.org

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - R120)

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.

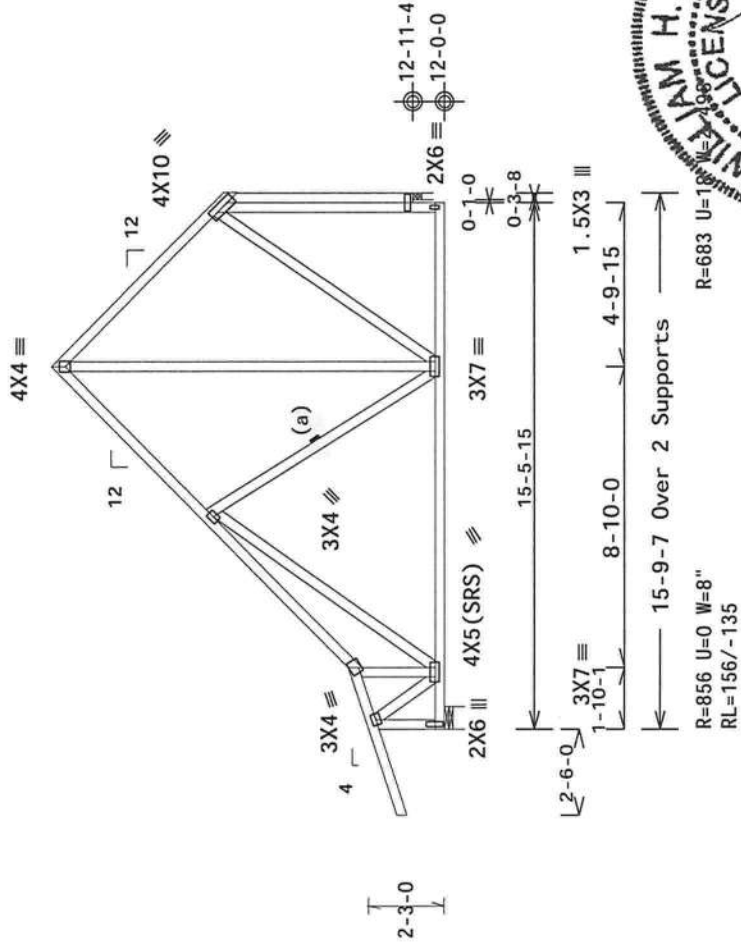
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

120 mph wind, 18.55 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.

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



PLT TYP. Wave

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

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

R=856 U=0 W=8"
RL=156/-135

R=683 U=10



Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R9114- 81711
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021032
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97100
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	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. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for details. Unless noted otherwise, top chords shall have properly attached structural sheathing and bottom chords shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint only. 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.tpiint.org; WTCA: www.alcnae.org; ICC: www.iccsafe.org

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - R121)

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

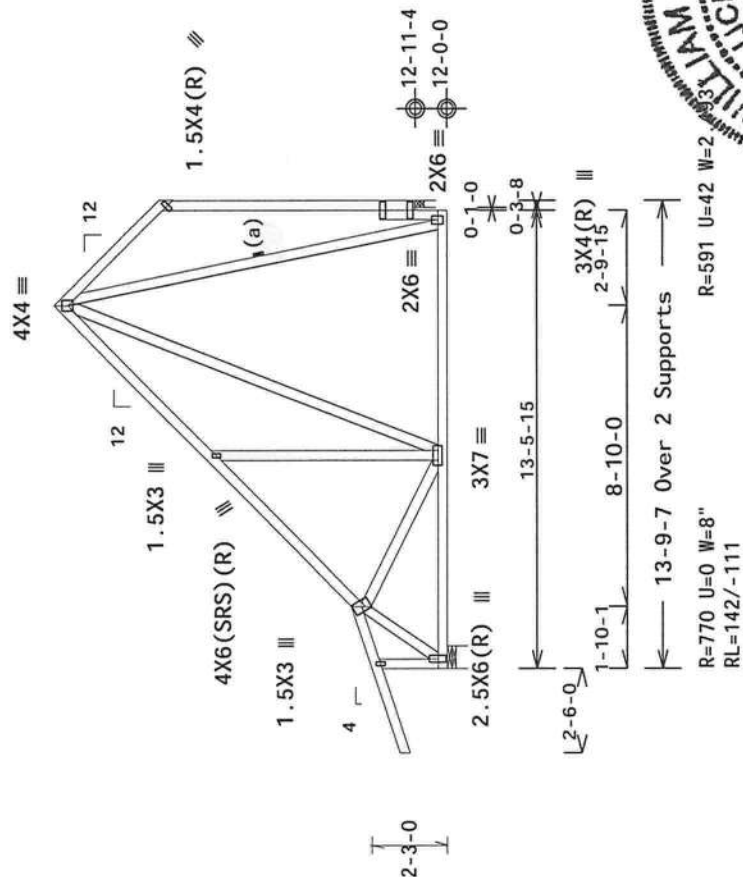
Right end vertical not exposed to wind pressure.

1120 mph wind, 18.55 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.

Bottom chord checked for 10,00 psf non-concurrent live load.



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- 81712
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021033
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97101
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

*** IMPORTANT ***

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Please refer to the latest edition of BCSI (Building Components Safety Information, by IPI and WCA) for specific instructions to performing these activities. Inspectors should check structural sheathing and bottom chord bracing for proper installation. Trusses should be attached to steel structural members with a properly attached rigid ceiling. Locations shown for permanent lateral restraint (B7 or B10, as applicable).

[illegible]

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0378

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

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.

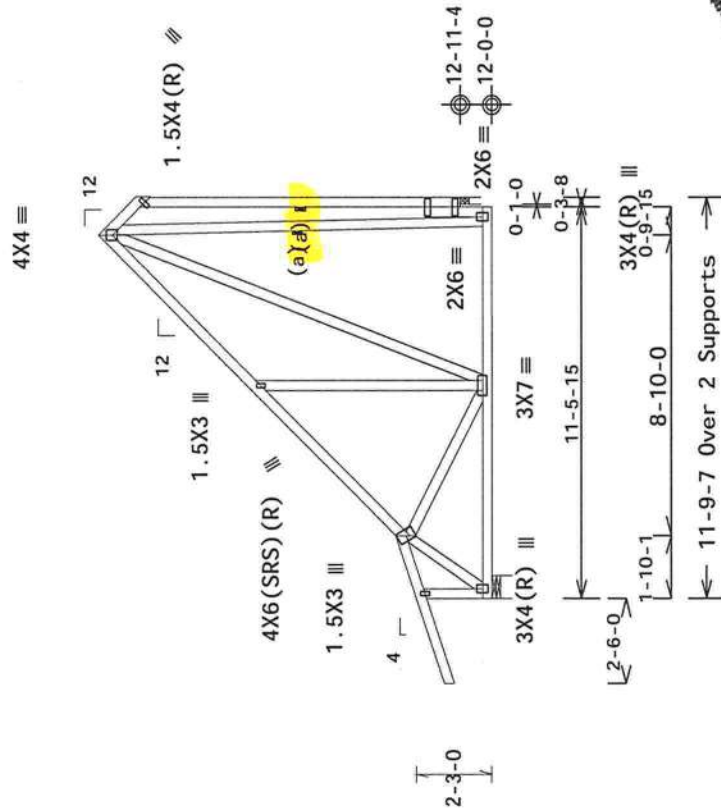
Right end vertical not exposed to wind pressure.

120 mph wind, 18.55 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.

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



R=684 U=0 W=8"
RL=179/-88

R=500 U=82 W=2.493"

Design Crit: $\text{FBC2010Res/TP1-2007(Std)}$
 $\text{FT/RT}=20\%(0\%)/10(0)$

PLT TYP. Wave

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

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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 and follow the instructions for erection and bracing of trusses from the manufacturer. Trusses shall follow the installation of BCSI (Building Component Safety Information, by TPI and WICA) sections prior to performing the other truss functions. Final truss load proofing must comply with the applicable code requirements. The contractor shall provide a temporary bracing system during construction. All trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components, Group Inc. (ITWBCO) shall not be responsible for any deviation from the manufacturer's instructions for the use of the product. ITWBCO shall not be responsible for any failure to build the truss in accordance with AISI/TPI 1 or for handling, shipping, installation, bracing or crusses. 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 plate listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec.2. For more information see: This job's drawings. ITWBCO: 1100 E. 15th Ave., Aurora, CO 80010. Tel: 303-733-1100. Fax: 303-733-1101. Web: www.itwbc.com. ICC: www.iccintl.org.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

01/22/2013

FROM SDY

JREF- 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB1)

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, 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=2.0 psf. GCpl(+/-)=0.18

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

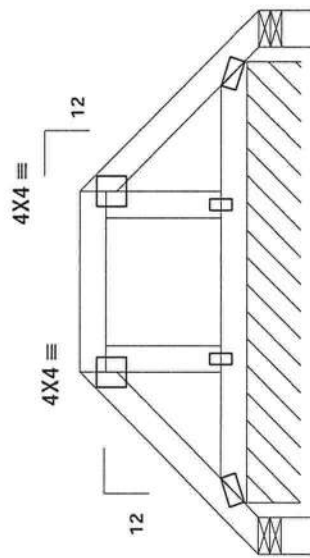
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 2.00
TC- From 68 plf at 2.00 to 68 plf at 4.00
TC- From 68 plf at 4.00 to 68 plf at 6.00
BC- From 4 plf at 0.00 to 4 plf at 6.00

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

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



R=13 Rw=13 U=1 W=4.95"

R=13 Rw=42 U=31 W=4.95"
RL=38/-38

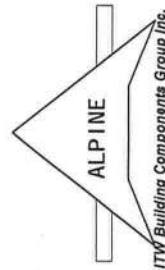
2X4(A5R) $\approx$ 1.5X3 $\parallel$ 1.5X3 $\parallel$ 2X4(A5R) $\approx$

4'-10'-6" 2'-0'-0" 1'-5'-3"

6'-0'-0" Over 3 Supports

R=78 PLF U=20 PLF W=4-10-6

PLT TYP. Wave



Design Crit: FBC2010Res/TPI-2007(STB)
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. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for proper erection and bracing. Trusses shall be erected and braced in accordance with the erection and bracing 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, 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 is required for the truss to be used. The seal is the responsibility of the professional engineering firm. 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.alcnafe.org; IDC: www.lccnafe.org



Scale = .5" / Ft.

FL/-/5/-/R/-

TC LL	20.0 PSF	REF	R9114- 81714
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021035
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97103
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB2)

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.

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

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

Refer to DWG PB1200310 for piggyback details.

Special loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 3.00
TC- From 68 plf at 3.00 to 68 plf at 6.00
BC- From 4 plf at 0.00 to 4 plf at 6.00

120 mph wind, 33.90 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=2.0 psf. GCpl(+/-)=0.18

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

4x4 =

12

12

32'-8"-92

2x4 (A5R) =

1.5X3

2x4 (A5R) =

9'-6"-18

R=0 Rw=63 U=61 W=4.95"
RL=58/-58

2-5-3

4-10-6

2-5-3

6-0-0 Over 3 Supports

R=89 PLF U=27 PLF W=4-10-6

R=0 Rw=22 U=16 W=4

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

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

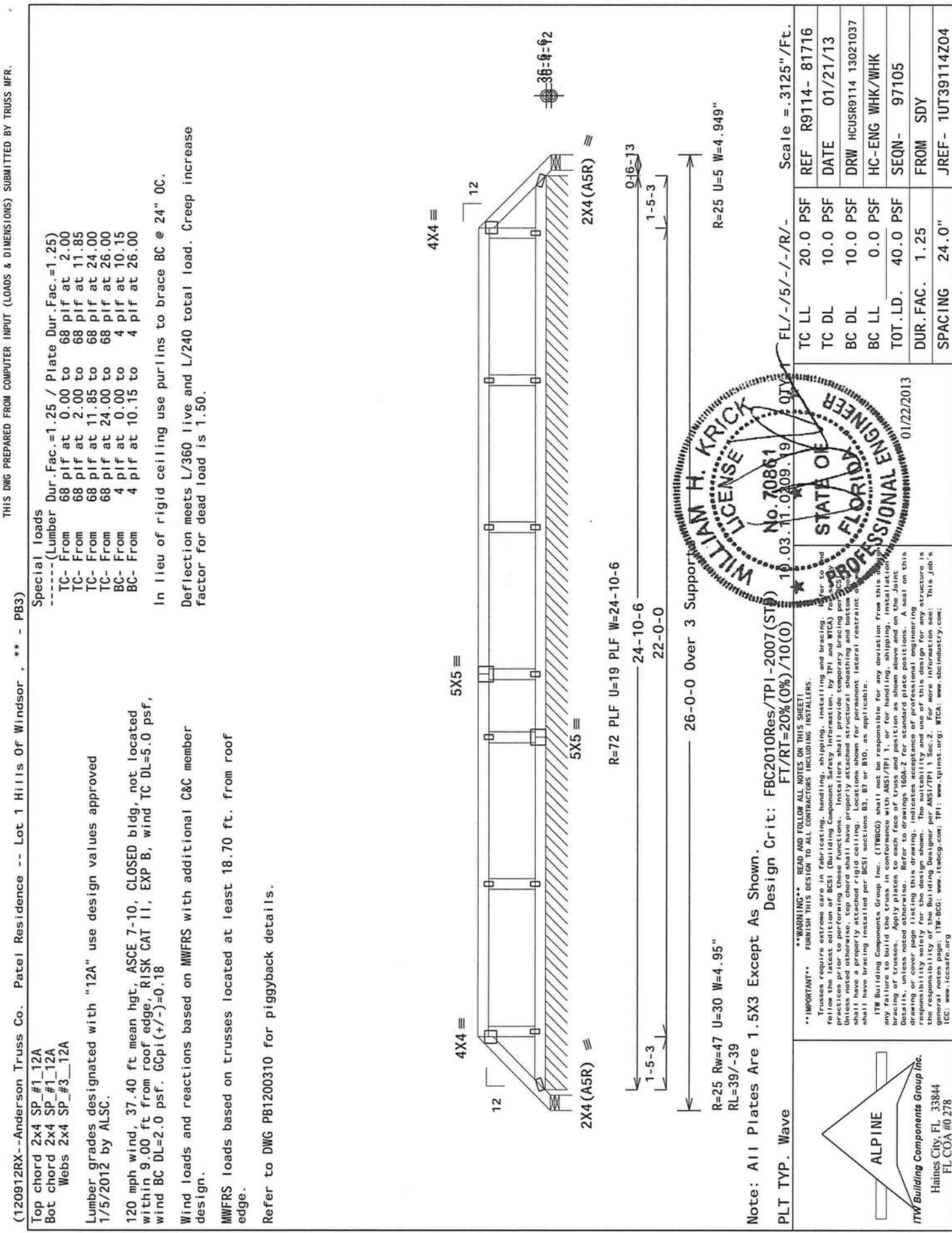
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WDA) for details on proper handling, shipping, installation and bracing of trusses. Unless noted otherwise, top chord shall have 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 100A-Z for standard plate positions. A seal on this drawing indicates acceptance of professional engineering and the responsibility of 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-BCG: www.itwbcg.com; TPI: www.tpinat.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

Scale = .5"/Ft.

REF	R9114-	81715
DATE	01/21/13	
DRW	HCUSR9114	13021036
HC-ENG	WHK/WHK	
SEQN-	97104	
FROM	SDY	
JREF-	1UT39114Z04	



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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - PB3)

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, 37.40 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=2.0 psf. Gcpi(+/-)=0.18

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

MWFRS loads based on trusses located at least 18.70 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

Special loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 2.00
TC- From 68 plf at 2.00 to 68 plf at 11.85
TC- From 68 plf at 11.85 to 68 plf at 24.00
TC- From 68 plf at 24.00 to 68 plf at 26.00
BC- From 4 plf at 0.00 to 4 plf at 10.15
BC- From 4 plf at 10.15 to 4 plf at 26.00

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

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

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

Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP. Wave

R=25 RW=47 U=30 W=4.95"
RL=39/-39

Scale = .3125"/Ft.

REF R9114- 81716
DATE 01/21/13
DRW HCUSR9114 13021037
HC-ENG WHK/WHK
SEQN- 97105
FROM SDY
JREF- 1UT39114Z04

William H. Krick
Professional Engineer
State of Florida
License No. 70861
10.03.11.0109.19

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 , ** - PB4)

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, 38.40 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=2.0 psf. GCPI(+/-)=0.18

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

MWFRS loads based on trusses located at least 19.20 ft. from roof edge.

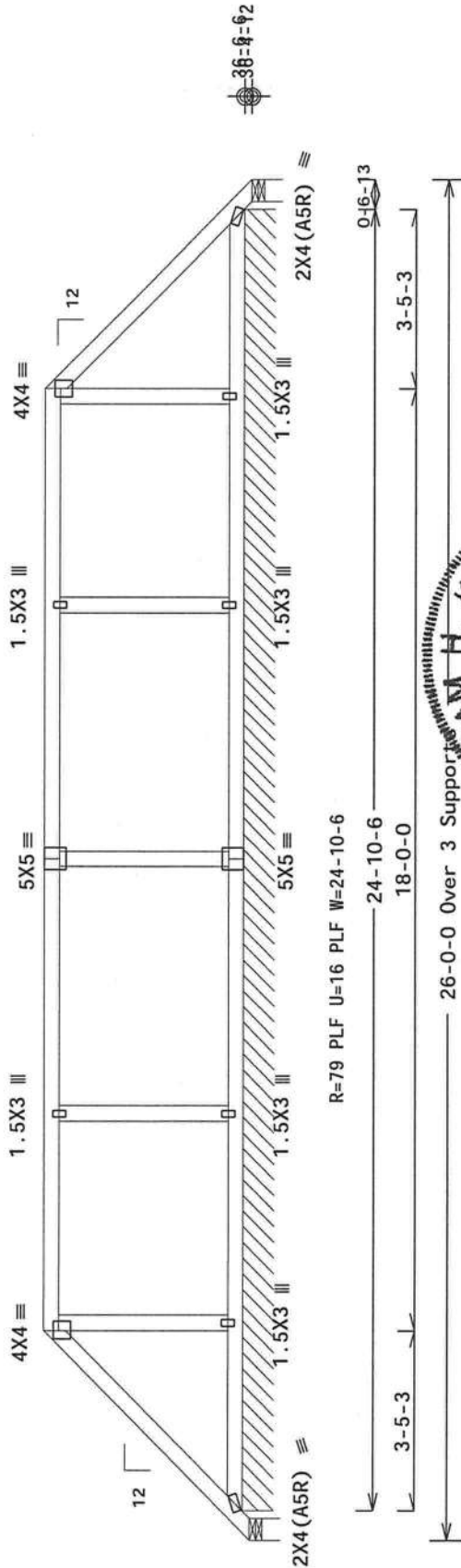
Refer to DWG PB1200310 for piggyback details.

Special loads

TC- From	Dur. Fac.=1.25 / Plate Dur. Fac.=1.25)
68 pif at 0.00 to	68 pif at 4.00
TC- From	68 pif at 4.00 to
68 pif at 13.00 to	68 pif at 22.00
TC- From	68 pif at 22.00 to
68 pif at 26.00	4 pif at 13.00
BC- From	4 pif at 13.00 to
4 pif at 26.00	

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

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



R=-60 Rw=94 U=126 W=4.95"
RL=82/-82

R=-60 Rw=29 U=52 W=4.949"

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- 81717
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCSR9114 13021038
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	97106
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

WILLIAM H. KRICK
LICENSE
No. 70861
10.03.11.09.19
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 WTCA) for instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI instructions. Trusses shall be braced in accordance with the instructions shown for permanent lateral restraint of trusses. 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 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. The responsibility of the Building Designer per ANSI/TPI 1, Sec. 2, For use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information, visit the website: www.itwbcg.com; TPI: www.tpi.net; WTCA: www.wtca.org; ICC: www.iccsafe.org

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 , ** - PB5)

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.

Negative reaction(s) of -183# MAX. (See below) from a non-wind load case requires uplift connection.

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

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

Refer to DWG PB1200310 for piggyback details.

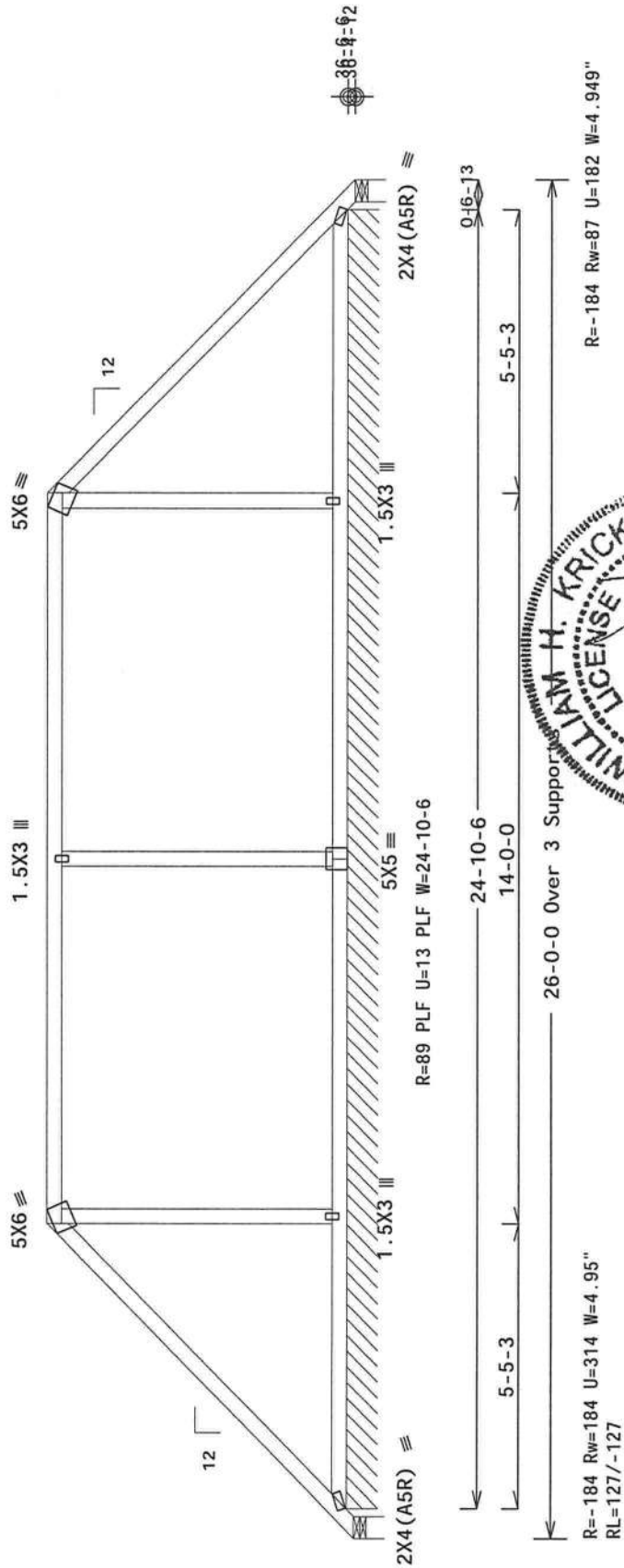
Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 6.00
TC- From 68 plf at 6.00 to 68 plf at 20.00
TC- From 68 plf at 20.00 to 68 plf at 26.00
BC- From 4 plf at 0.00 to 4 plf at 13.00
BC- From 4 plf at 13.00 to 4 plf at 26.00

120 mph wind, 39.40 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=2.0 psf. GCpl(+/-)=0.18

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

MWFRS loads based on trusses located at least 19.70 ft. from roof edge.



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- 81718
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021039
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97107
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for details on proper handling, shipping, installing and bracing. 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 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 & 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-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 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.abctindustry.org; 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

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

120 mph wind, 40.06 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=2.0 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.

Refer to DWG PB1200310 for piggyback details.

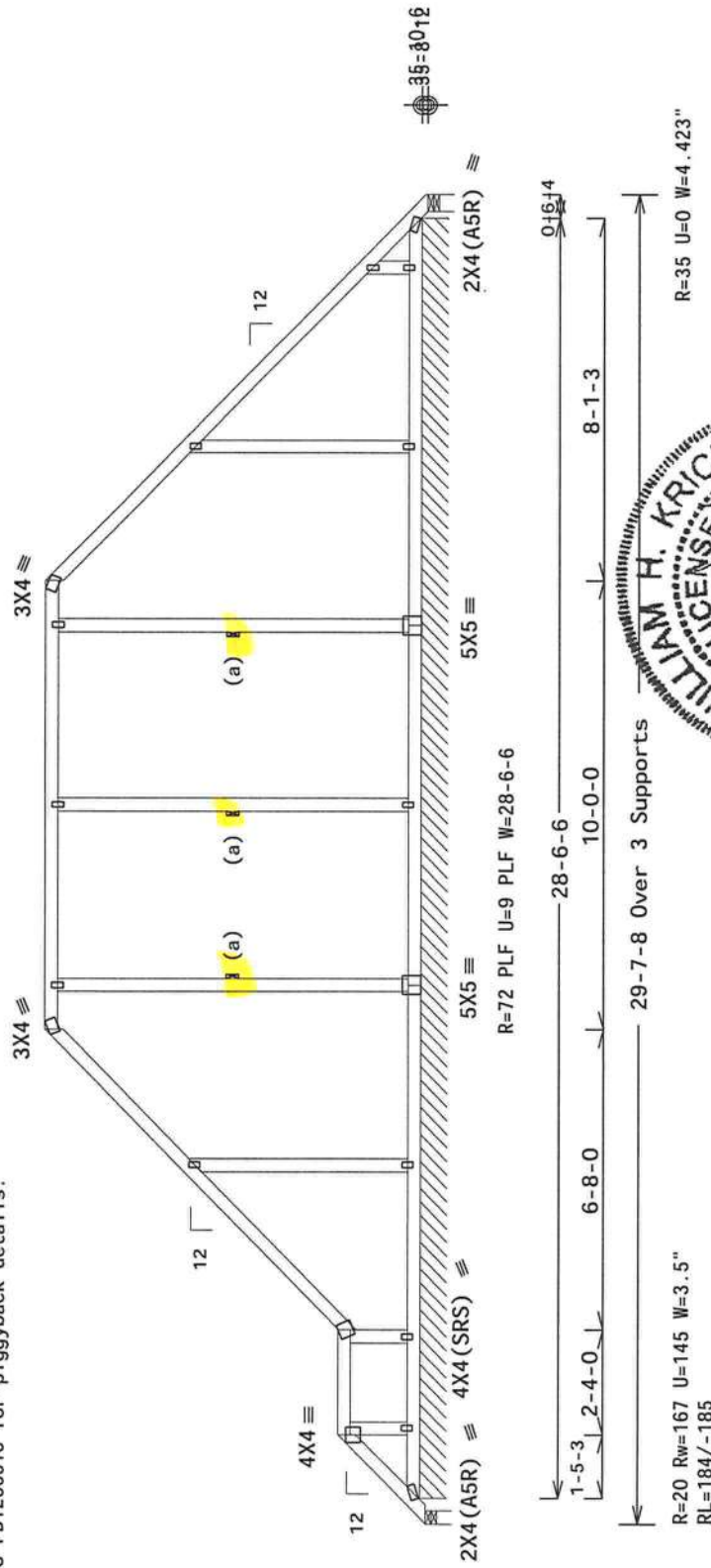
Special loads

Spectral	----- (Lumber	Dur. Fac.=1.25 /	Plate	Dur. Fac.=1.25)
TC-From	68 pif at 0.00 to	68 pif at 2.00		
TC-From	68 pif at 2.00 to	68 pif at 4.33		
TC-From	68 pif at 4.33 to	68 pif at 11.00		
TC-From	68 pif at 11.00 to	68 pif at 21.00		
BC-From	4 pif at 0.00 to	4 pif at 12.00		
BC-From	4 pif at 12.00 to	4 pif at 20.00		
BC-From	4 pif at 20.00 to	4 pif at 29.62		

(a) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 20.03 ft. from roof edge.



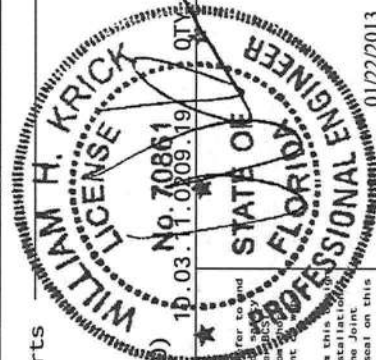
R=20 R_w=167 U=145 W=3.5"
RL=184/-185

Note: All Plates Are 1.5X3 Except As Shown.

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

PLT TYP. Wave

TC LL	20.0	PSF	REF	R9114- 81719
TC DL	10.0	PSF	DATE	01/21/13
BC DL	10.0	PSF	DRW	HCJSR9114 13021040
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0	PSF	SEQN-	97108
DUR. FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04



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
	Webb	2x4	SP_#3_12A

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

120 mph wind, 41.06 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=2.0 psf. GCpl(+/-)=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.

Refer to DWG PB1200310 for playback details.

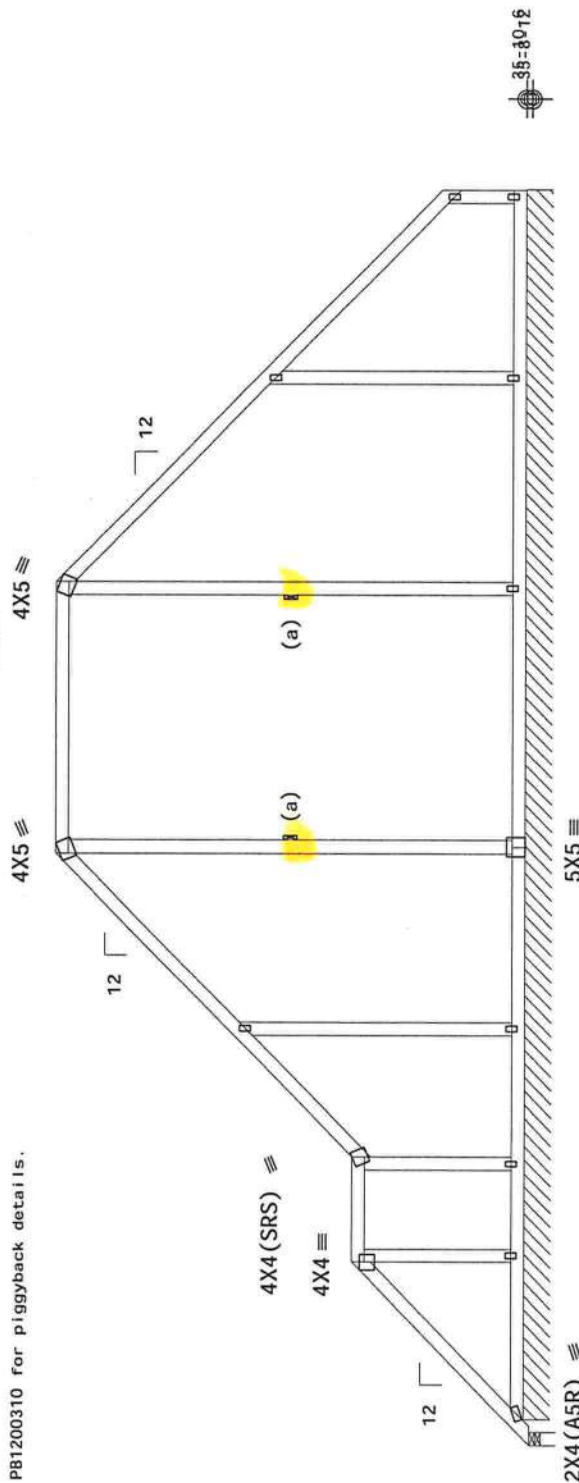
Special loads
----- (Lumber

Species	Robots (Number)	Dur-Fac = 1.25 / Plate Dur-Fac = 1.250
TC-From	68 pif at 0.00 to 68 pif at 6.33	
TC-From	68 pif at 0.00 to 68 pif at 6.33	
TC-From	68 pif at 6.33 to 68 pif at 13.00	
TC-From	68 pif at 6.33 to 68 pif at 19.00	
TC-From	68 pif at 13.00 to 68 pif at 27.65	
TC-From	4 pif at 0.00 to 4 pif at 13.15	
BC-From	4 pif at 13.15 to 4 pif at 27.65	
BC-From	4 pif at 13.15 to 4 pif at 27.65	

(a) Continuous lateral bracing equally spaced on member.

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

MMWFRS loads based on trusses located at least 20.53 ft. from roof edge.

R=-78 R_w=221 I=244 W=3 5"

RL=218/-205

R=76 PLF U=8 PLF W=27-0-15

The diagram shows a horizontal beam of total length 27-7-12. A parabolic load is applied, starting at 0 at the left end, reaching a maximum of 3-5-3 at a distance of 2-4-0 from the left, and returning to 0 at a distance of 6-8-0 from the left. The remaining length of the beam is 8-7-12. Below the beam, a triangular shear force diagram is shown, starting at a maximum value of 27-7-12 at the left end and decreasing linearly to 0 at a distance of 6-0-0 from the left. The remaining length of the beam is 27-7-12 Over 2 Supports.

Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP. Wave

Design Crit: EBC2010Res/TPI-2007(ST)

BCZOLUKES/IF1-2007(31) FT/RT=20%(0%)/10(0)

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

[illegible]

ITW Building Components, Group Inc. (TWCBC) shall be responsible for any direction from this document. The manufacturer shall be responsible for any design or construction details. The manufacturer shall be responsible for any failure to build the truss in conformance with ANSI/TPI-1 for residential applications. 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 ANSI/TPI-1 Sec. 2. For more information see: TWCBC website: www.twcby.com; TPI website: www.tpiinc.net; ICC website: www.iccsafe.org

Scale = .25"/Ft.

TC LL	20.0 PSF	REF R9114- 81720
TC DL	10.0 PSF	DATE 01/21/13
BC DL	10.0 PSF	DRW HCUSR9114 13021041
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 97109
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

01/22/2013

TW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - PB8)

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

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

(a) Continuous lateral bracing equally spaced on member.

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

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

Refer to DWG PB1200310 for piggyback details.

Negative reaction(s) of -350# MAX. (See below) from a non-wind load case requires uplift connection.

120 mph wind, 40.96 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.

MWFRS loads based on trusses located at least 20.48 ft. from roof edge.

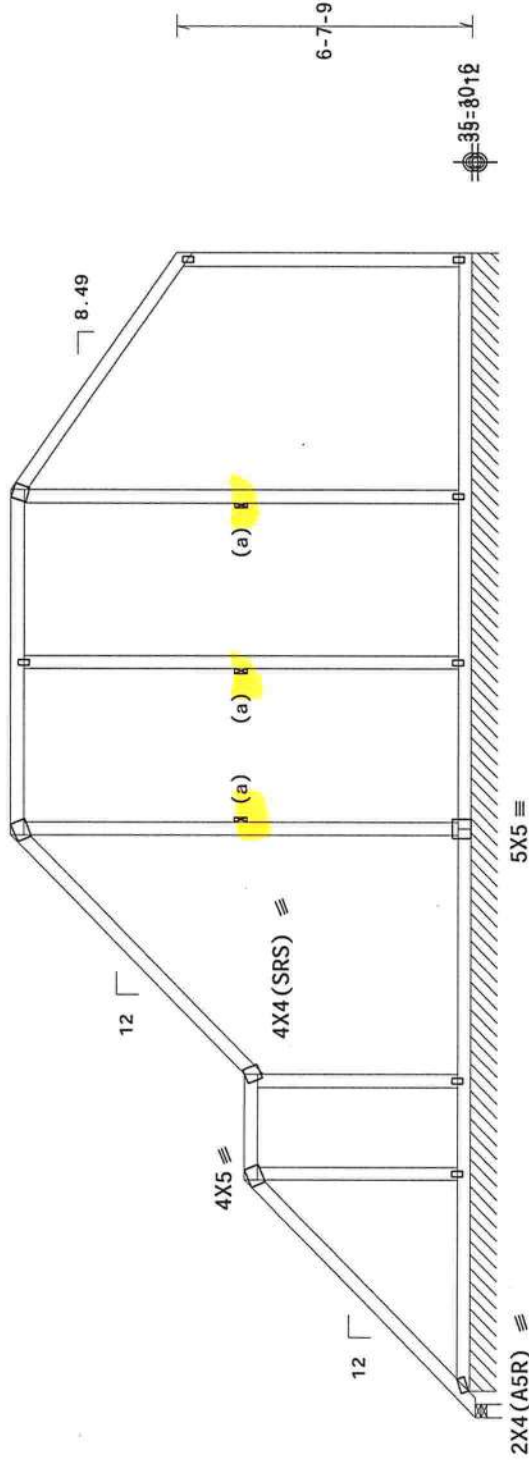
4X4 ≡

4X5 ≡

4X5 ≡

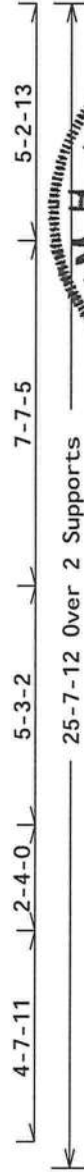
4X5 ≡

4X5 ≡



R=-351 Rw=60 U=168 W=3.5"
RL=94/-92

R=112 PLF U=1 PLF W=25-0-15



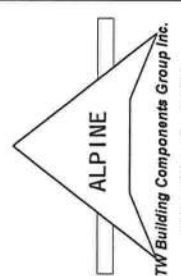
Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STB)

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

Scale = .25"/Ft.

PLT TYP. Wave



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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for safety instructions. Truss installers shall provide temporary bracing per BCSI instructions. Truss installers 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, 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 of the Building Components Group Inc. (ITWBCG) for this design for any structure is the responsibility of the Building Components Group Inc. (ITWBCG). This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net; WTC: www.wtcindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 81721
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021042
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	97110
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB9)

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

120 mph wind, 40.96 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.

(a) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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

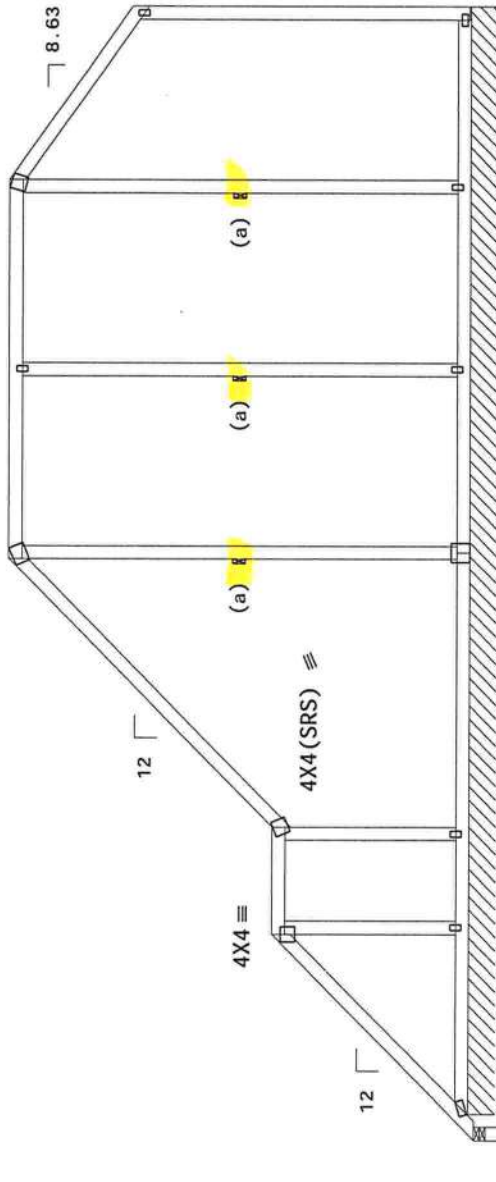
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

MWFRS loads based on trusses located at least 20.48 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

4X4

4X5

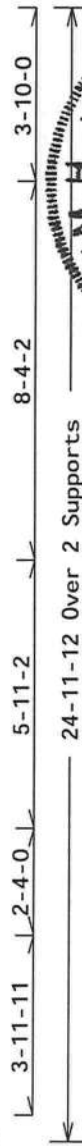


2X4 (A5R)

5X5

R=-140 Rw=183 U=205 W=3.5"
RL=166/-117

R=93 PLF U=10 PLF W=24-4-14



Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP. Wave

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

Scale = .25"/Ft.

FL/-5/-/-R/-

QTY

No. 70861

10.03.11.0109.19

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

01/22/2013

10/22/2013

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 WCA) for details. Unless noted otherwise, top chord shall have a properly attached steel lateral restraint. The truss 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-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering. The responsibility of the Building Designer per ANSI/TPI 1, Section 2.2, shall not be transferred to ITWBCG. This job is a general notes page; ITWBCG: www.itwbcg.com; TPI: www.tpi.org; WCA: www.wcaindustry.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- 81722
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021043
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	97111
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB10 2-PLY)

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, 40.96 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

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.

Refer to DWG PB1200310 for piggyback details.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.128"x3" min. nails

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

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

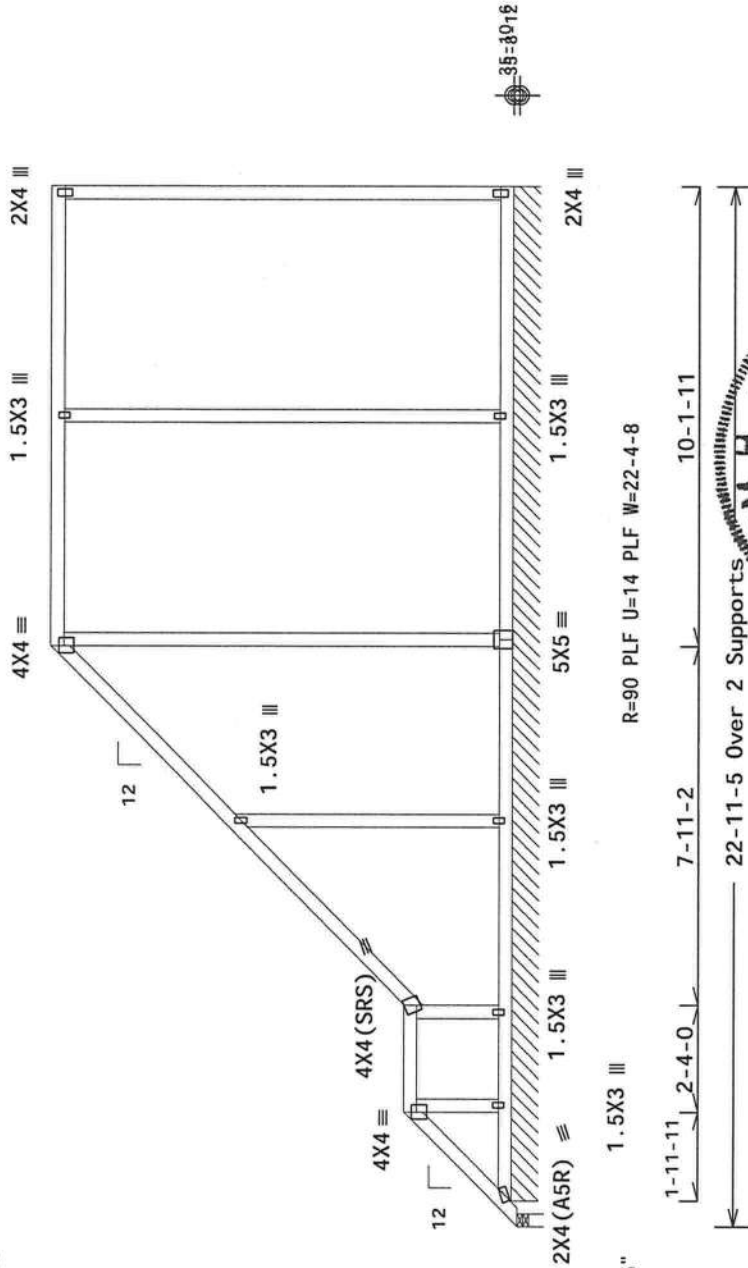
Webs: 1 Row @ 4" o.c.

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

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

Right end vertical not exposed to wind pressure.

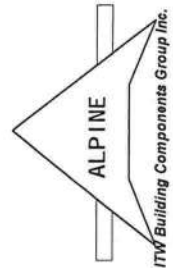
MMFRS loads based on trusses located at least 40.96 ft. from roof edge.



R=2 R=165 U=71 W=3.5"
RL=177/-77

R=90 PLF U=14 PLF W=22-4-8

PLT TYP. Wave



Design Crit: FBC2010Res/TPI-2007(SB)
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. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have a properly attached rigid ceiling bracing located in the center of the truss. 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 drawing 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 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-BCSI: www.itwbcg.com; TPI: www.tpiinc.org; WTA: www.wtadiv.com; ICC: www.iccsafe.org



Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R9114- 81723
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021044
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97112
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.

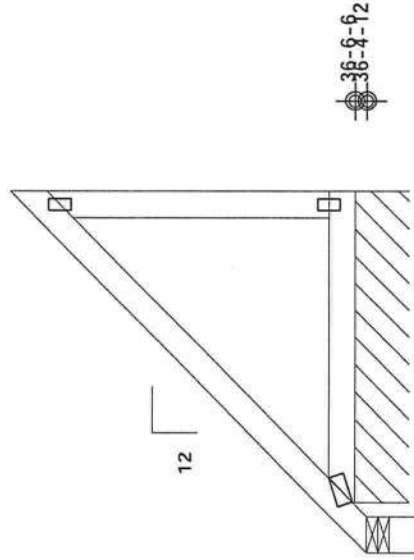
Wind loads and reactions based on MWFRS with additional C&C member design.

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

MWFRS loads based on trusses located at least 38.39 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

1.5X3 III



2X4(A5R) ≡

R=109 PLF U=30 PLF W=3-5-0

|<3-11-14 Over 2 Supports >|

P--100 Pw-89 11-96 W-A 95"

RL=66/-30

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

FT/RT=20%(0%)

****IMPORTANT****

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

IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety Information) by TPI and WTCFA for design and erection instructions. Truss manufacturers shall provide temporary bracing per the design and erection instructions. Truss manufacturers shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

Special loads

Special Issues		Dur. Fac.=1.25 / Plate Dur.=1.25)	
-----	(Lumber		
TC- From	68 plf at 0.00 to	68 plf at 3.99	
BC- From	4 plf at 0.00 to	4 plf at 3.99	

120 mph wind, 38.39 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=2.0 psf. GCpi (+/-)=0.18

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.



8 FL/-/5/-/-/R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R9114- 81724
TC DL	10.0 PSF	DATE 01/21/13
BC DL	10.0 PSF	DRW HCUSR9114 13021045
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 97113
DUR. FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT3914Z04

Special loads

120 mph wind, 37.13 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=2.0 psf. GCpi (+/-)=0.18

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

Refer to DWG PB1200310 for piggyback details.

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

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

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

TC LL	20.0 F
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Exercise extreme care in fabricating, handling, shipping, installing and bracing that edition of BCST (Building Component Safety Information, by TPI and WTCA) to performing these functions. Installers shall provide temporary bracing, if necessary, to support the roof. Furthermore, top chord shall have properly attached structural sheathing and be properly attached rigid ceiling. Locations shown for permanent lateral restraint are shown per BCST sections B3, B7 or B10, as applicable.

TC DI 10 0 B

to performing these functions. Installers shall provide temporary bracing to support the structure during installation of the permanent bracing. Likewise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraining installed per BCSI sections B3, B7 or B10, as applicable.

10.0 10.0

properly attached rigging. Locations shown for permanent lateral restraints. The building was installed per BDCI sections C3, B7 or B10, as applicable.

BC DL 10.0 F

Components Group Inc. (TWBCG) shall not be responsible for any deviation from the design of the truss in conformance with ANSI/TPI 1, or for handling, shipping, or installation of the truss. The manufacturer shall be responsible for the design of the truss. Apply plates to each face of truss and position as shown above and on the drawings. Refer to drawings 160A-2 for standard plate positions and notes otherwise. Indicate acceptance of professional engineer for the design of the truss. The suitability and use of this design for an application is the responsibility of the user. TWBCG, Inc. Sec.2.2. For more information contact: TWBCG, Inc. 10000 Highway 101, West Plains, MO 65759. www.twbcg.com

BC LL 0.0 P

Apply plates to each face of truss and position as shown above and noted otherwise. Refer to drawings 160A-Z for standard plate positions. This page listing this drawing. Indicates acceptance of professional engineering solely for the design shown. The suitability and use of this design for an application is the responsibility of the Building Designer per AISI/TPI 1 Sec. 2. For more information contact: ITW-BCCG; www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; org

TOT.LD. 40.0 P

page listing this drawing. Indicates acceptance of professional engineer's suitability and use of this design for an intended application. For more information see: ANSI/TPI 1 Sec.2. For more information see: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com

DUR. FAC. 1.25

go: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com

SPACING 24.0"

Special loads

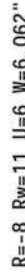
IC-From	IC-To	BC-From	BC-To	4 p/f at	4 p/f at
04	2.29	04	2.29	04	3.52
04	0.00	04	0.00	4	5.52

120 mph wind, 37.54 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=2.0 psf. GCpi (+/-)=0.18

120 mph wind, 37.54 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=2.0 psf. GCpi(+/-)=0.18

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

factor for dead load is 1.50:



2X4 (A5R) $\cong$ 1.5X3 $\equiv$ 2X4 (A1) $\equiv$

4-2-12 0-8-1 1-8-10 2-6-2

5-6-5 Over 3 Supports

SECRET

Design Crit: FBC2010Res/TPI-2007(STD)

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

TC LL	20.0 P
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TC	DI	10	0	D

10. 5

BC DL 10.0 P

BC LL 0.0 P

TOT.LD. 40.0 P

DIAPYCN	1 2E
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BOOK: FAC. 1.23

SPACING 24.0"

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - PB14)

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.

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

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

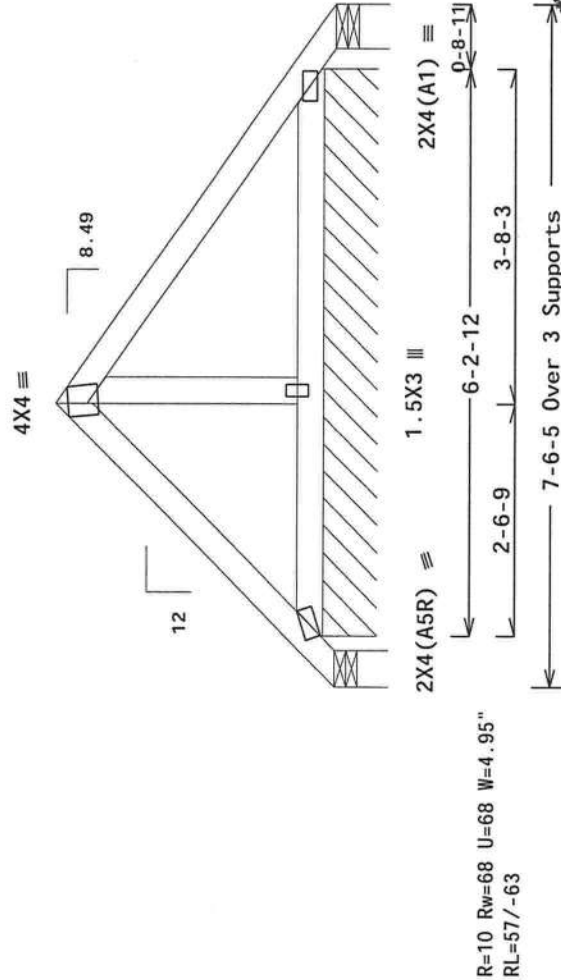
Refer to DWG PB1200310 for piggyback details.

Special loads
-----Lumber
TC- From 68 plf at 0.00 to 68 plf at 3.12
TC- From 64 plf at 3.12 to 64 plf at 7.52
BC- From 4 plf at 0.00 to 4 plf at 7.52

Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
68 plf at 0.00 to 68 plf at 3.12
64 plf at 3.12 to 64 plf at 7.52
4 plf at 0.00 to 4 plf at 7.52

120 mph wind, 37.95 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=2.0 psf. GCPI(+/-)=0.18

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



R=56 Rw=31 U=34 W=6.062"

R=10 Rw=68 U=68 W=4.95"
RL=57/-63

R=89 PLF U=29 PLF W=6-2-12

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

PLT TYP. Wave

Scale = .5"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.			**WARNING** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSEI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing and shoring as needed otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining bracing shall have bracing installed per BCSEI sections B3, B7 or B10, as applicable.		TC LL	20.0	PSF	REF	R9114- 81727
				TC DL	10.0	PSF	DATE	01/21/13		
				BC DL	10.0	PSF	DRW	HCUSR9114 13021048		
				BC LL	0.0	PSF	HC-ENG	WHK/WHK		
				TOT.LD.	40.0	PSF	SEQN-	97116		
		DUR.FAC.	1.25		FROM	SDY				
		SPACING	24.0"		JREF-	1UT39114Z04				



****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) for safety practices prior to performing these functions. Installers shall provide temporary bracing and bracing as indicated 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 conformity with this design. The truss manufacturer shall be responsible for the safety of the design. 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 or ITW BCSI: www.itwbcg.com, TPI: www.tpiinc.org, WTC: www.bcsiindustry.com, ICC: www.iccsafe.org

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.

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

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

MWFRS loads based on trusses located at least 19.12 ft. from roof edge.

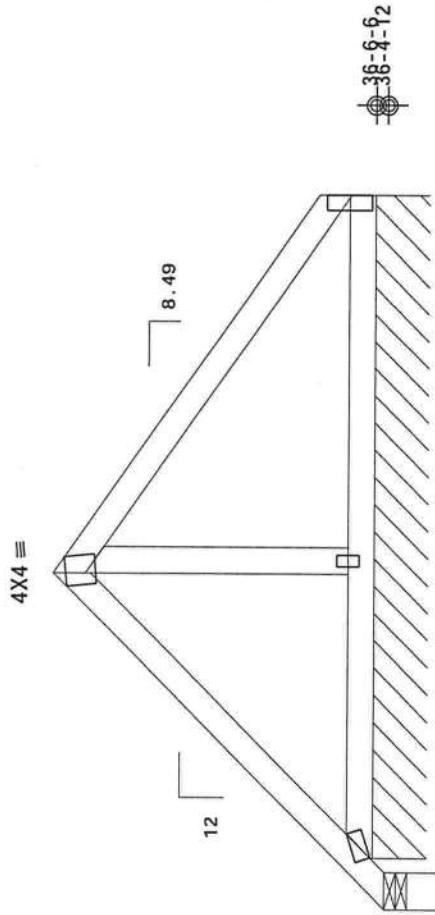
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 3.71
TC- From 64 plf at 3.71 to 64 plf at 7.87
BC- From 4 plf at 0.00 to 4 plf at 7.87

120 mph wind, 38.25 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=2.0 psf. GCpi(+/-)=0.18

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



2X4 (A5R) ≡ 1.5X3 ≡ 2X6 (B2) (R) ≡

R=27 Rw=92 U=92 W=4.95"
RL=67/-69

3-1-11 4-2-0
7-10-8 Over 2 Supports

R=75 PLF U=8 PLF W=7-3-10

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

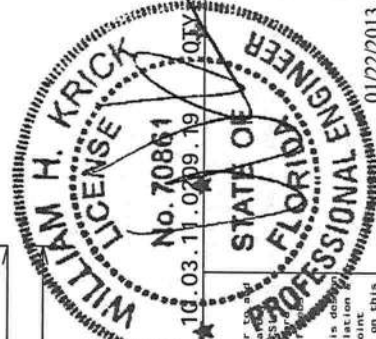
PLT TYP. Wave



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for instructions 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 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-Z for standard plate positions. A seal on this drawing or cover page listing this design. 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-BCSI: www.itw-bcsi.com; TPI: www.tpiinc.org; WTC: www.structure.com; ICC: www.iccsafe.org



Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R9114- 81728
TC DL	10.0 PSF	DATE	01/21/13
BC DL	10.0 PSF	DRW	HCUSR9114 13021049
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97117
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB17)

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, 39.87 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=2.0 psf. GCPI (+/-)=0.18

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

MWFRS loads based on trusses located at least 19.94 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

Special loads
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 6.95
TC- From 68 plf at 6.95 to 68 plf at 7.87
BC- From 4 plf at 0.00 to 4 plf at 7.87

Negative reaction(s) of -382# MAX. (See below) from a non-wind load case requires uplift connection.

Right end vertical not exposed to wind pressure.

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

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

12

1.5X4

2X4 (A5R)

11-1

6-4-9

7-10-8 Over 2 Supports

R=128 PLF U=35 PLF W=7-3-10

36-6-12

PLT TYP. Wave

ALPINE

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

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

Scale = .375"/Ft.

REF R9114- 81730
DATE 01/22/13
DRW HCUSR9114 13022101
HC-ENG WHK/WHK
SEQN- 97119
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 WTC) for safety and performance instructions. Trusses shall be installed in accordance with the instructions. Unless noted otherwise, trusses shall be installed in accordance with the instructions. Trusses shall have a properly attached ridge collar. Local truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, 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 the responsibility of the Building Designer. The Building Designer shall be responsible for the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTC: www.wtcindustry.com; ICC: www.iccsafe.org



(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - PB18)

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

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

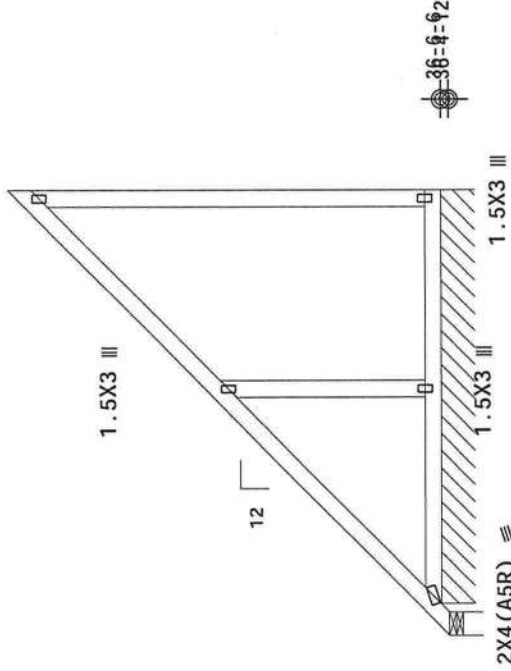
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

MWFRS loads based on trusses located at least 20.17 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

1.5X3 III



R=100 PLF U=24 PLF W=7-3-10

7-10-8 Over 2 Supports

R=2 Rm=143 U=99 W=4.95"

RL=133/-58

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- 81731
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022102
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97120
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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall be responsible for ensuring that all trusses are properly braced and secured to the building structure. 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 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.bcsiindustry.com; ICC: www.iccsafe.org

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall be responsible for ensuring that all trusses are properly braced and secured to the building structure. 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 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.bcsiindustry.com; ICC: www.iccsafe.org

WILLIAM H. KRICK
LICENSE
No. 70861
10.03.11.0209.19
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
01/22/2013

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

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.

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

MWFRS loads based on trusses located at least 19.20 ft. from roof edge.

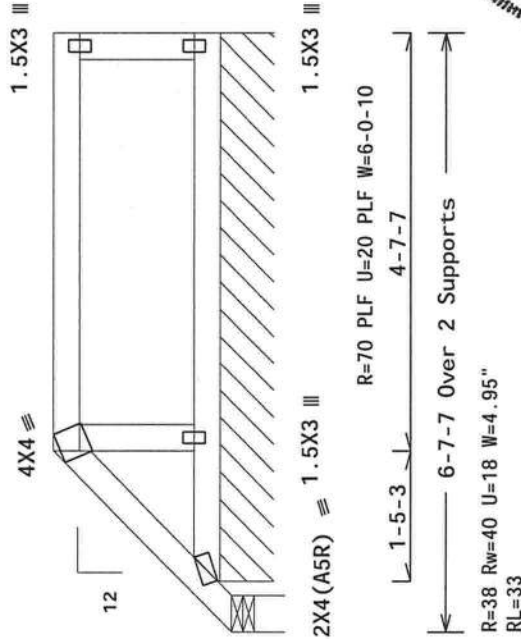
Refer to DWG PB1200310 for piggyback details.

Special loads

-----	(Lumber	Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From	68 plf at 0.00 to	68 plf at 2.00
TC- From	68 plf at 2.00 to	68 plf at 6.62
BC- From	4 plf at 0.00 to	4 plf at 6.62

120 mph wind, 38.40 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=2.0 psf. GCpi (+/-)=0.18

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)

PLT TYP: Wave

design of: 1. BZ01000000/10(0) 10.0

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

★

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

****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 instructions on the BGSF Truss Company's Trussing Manual, BGSF Trussing Manual (BGM) and BGSF Trussing Manual Addendum (BGTMA). The installer shall provide necessary safety and bracing practices prior to performing these functions. The installer shall provide necessary safety and bracing practices noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BGSF sections B3, B7 or B10, as applicable.

[illegible]

TC LL	20.0	PSF	REF	R9114-	81732
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13022103
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	97121	
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.

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

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

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

Refer to DWG PB1200310 for piggyback details.

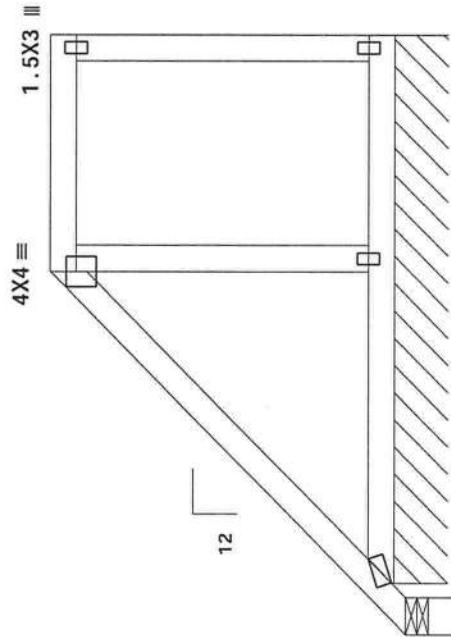
Special loads
----- (Lumber

----- (Lumber	Dur. Fac. = 1.25 /	Plate Dur. Fac. = 1.25)
TC- From	68 plf at 0.00 to	68 plf at 4.00
TC- From	68 plf at 4.00 to	68 plf at 6.62
BC- From	4 plf at 0.00 to	4 plf at 6.62

120 mph wind, 39.40 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=2.0 psf. GCpi (+/-)=0.18

Right end vertical not exposed to wind pressure.

MWFRS loads based on trusses located at least 19.70 ft. from roof edge.



2X4 (A5R) ≡	1.5X3 ≡	1.5X3 ≡
1.5X3 ≡	1.5X3 ≡	1.5X3 ≡

R=89 PLF U=22 PLF W=6-0-10

3-5-3 | 2-7-7

6-7-7 Over 2 Supports

R=-79 R_w=86 11-86 W-4 95"

RL=67/-30

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

PLT TYP. Wave

Design of: DOZOROKS/11-2007(01) 1d.0
 FT/RT=20%(0%)/10(0) ★

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

*** IMPORTANT***

[illegible]

LTV Building Components Group Inc. (LTVBCG) shall not be responsible for any deviation from this document. LTVBCG shall not be responsible for any failure to build the truss in conformance with ANSI/TPI-1 or for handling, shipping, installation or erection of the truss. LTVBCG shall not be responsible for any damage to the truss caused by overloading, misuse, improper bracing or other factors. The user of this product shall be responsible for the design and construction of the building and for the safety of the building. The user shall be responsible for the design and construction of the building and for the safety of the building. The user shall be responsible for the design and construction of the building and for the safety of the building.

TPI: american.org WFA: www.sbcinfo.com
TPI-BGC: www.bcginc.com TPI: american.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

Scale = .5"/Ft.

RFF R9114- 81733

DATE 01/22/13

01/27/10 7140

ORW HCUSR9114 13022104

HC-ENG WHK/WHK

SEQN- 97122

FROM SDY

ROOM	301
IDREF	11UT301114704

Special loads

Special Loads	-----(Lumber	Dur. Fac.=1.25 / Plate Dur. Fac.=1.25)
TC- From	68 plf at 0.00 to	68 plf at 6.62
BC- From	4 plf at 0.00 to	4 plf at 6.62

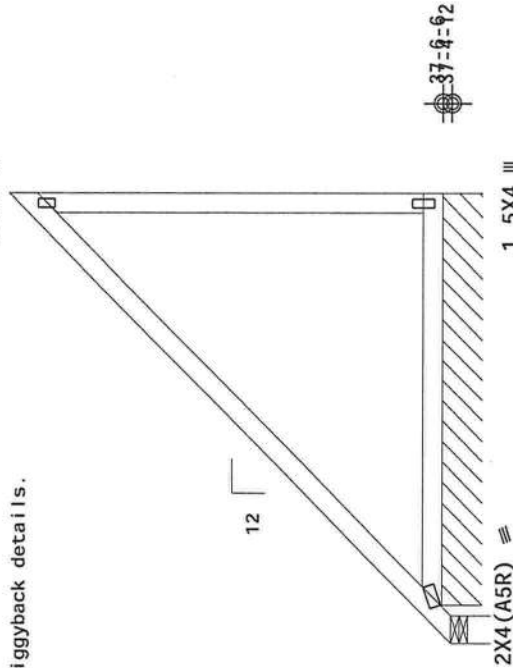
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 40.71 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=2.0 psf. GCpi (+/-)=0.18

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

MMWFRS loads based on trusses located at least 20.35 ft. from roof edge.

Refer to DWG PB1200310 for piqqback details.



R=151 PLF U=43 PLF W=6-0-10

6-7-7 Over 2 Supports

R=-448 RW=237 U=397 W=4.95"
RL=112/-49

PLT TYP: Wave

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

****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.**

*****IMPORTANT*****

Trosses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the Trosses section of BESI Building Components Safety Information, by TPI and WICA) for complete instructions. The following are important safety notes concerning temporary bracing products:

- Temporary bracing products shall have a properly attached rigid ceiling.
- Locations shown for permanent lateral restraint shall have bracing installed per BESI sections B3, B7 or B10, as applicable.

ALPINE

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

01/22/2013

FROM SDNY

100
1000

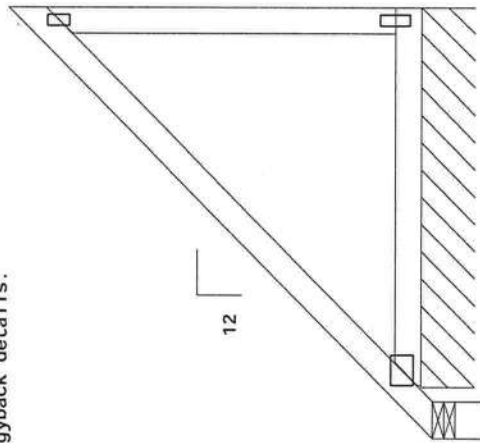
JREF- 1UT39114Z04

Special loads

120 mph wind, 39.78 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=2.0 psf. GCpi (+/-)=0.18

MWFRS loads based on trusses located at least 19.89 ft. from roof edge.

1.5X3 III



R=121 PLF U=34 PLF W=4-2-6

4-9-3 Over 2 Supports $\rightarrow$

R=-176 Rw=126 U=161 W=4.95"
RL=80/-36

PLT TYP. Wave

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R9114- 81736
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022107
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	97125
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1UT39114Z04

materials, 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 pages. ITB-B00; www.ltwelby.com; TPI: www.spinst.org; WTC: www.sbcindustry.com; ICC: www.iccsafe.org

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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB24)

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.

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

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

MWFRS loads based on trusses located at least 11.67 ft. from roof edge.

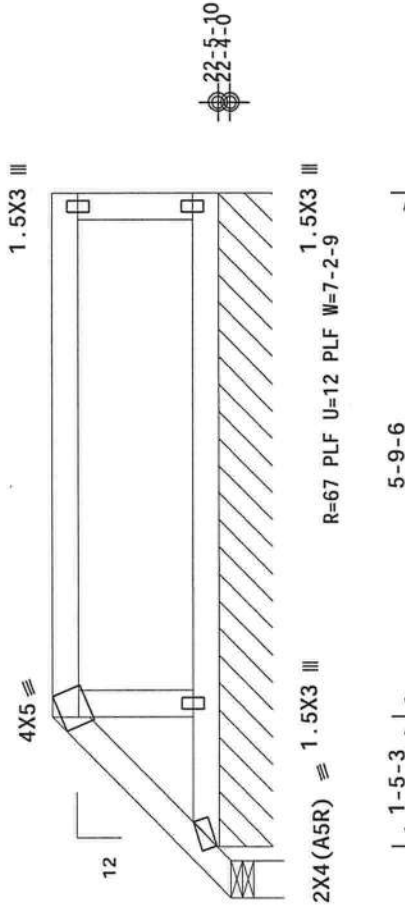
Refer to DWG PB1200310 for piggyback details.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 68 plf at 0.00 to 68 plf at 2.00
TC- From 68 plf at 2.00 to 68 plf at 7.78
BC- From 4 plf at 0.00 to 4 plf at 7.78

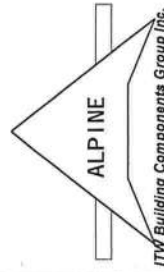
120 mph wind, 23.33 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. GCpi (+/-)=0.18

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



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 drawings 1604-2 for standard plate positions. A seal on this drawing is required for all trusses. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions.

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R9114- 81737
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUR9114 13022108
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97126
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB25)

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.

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

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

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

Refer to DWG PB1200310 for piggyback details.

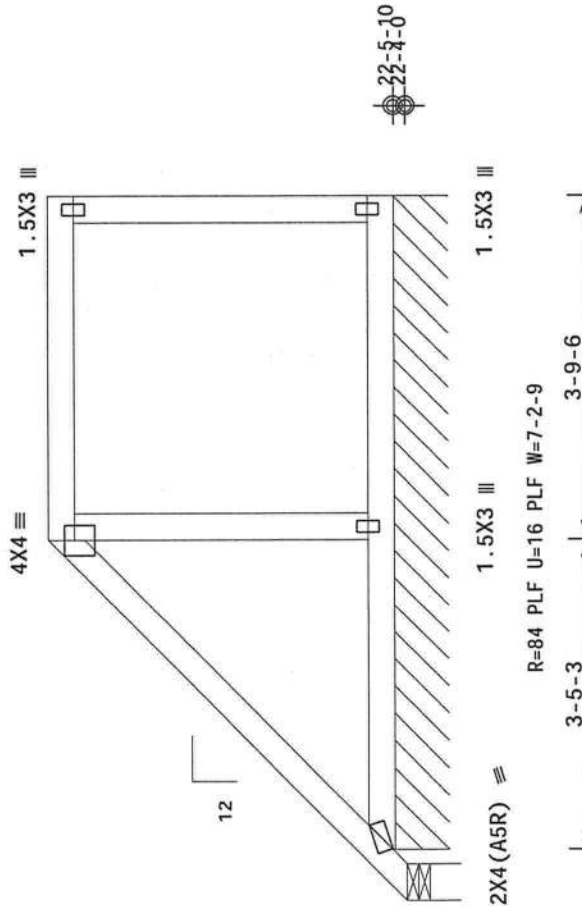
Special loads

Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 4.00
TC- From 68 plf at 4.00 to 68 plf at 7.78
BC- From 4 plf at 0.00 to 4 plf at 7.78

120 mph wind, 24.33 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=2.0 psf. GCpl(+/-)=0.18

Right end vertical not exposed to wind pressure.

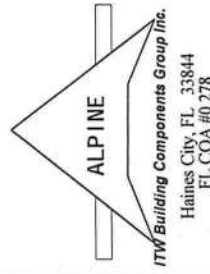
MWFRS loads based on trusses located at least 12.17 ft. from roof edge.



****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 BCSI) for all details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for 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 1600A-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 pages: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

PLT TYP. Wave



Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R9114- 81738
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUR9114 13022109
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97127
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB26)

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.

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

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

MMFRS loads based on trusses located at least 12.10 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

Special loads

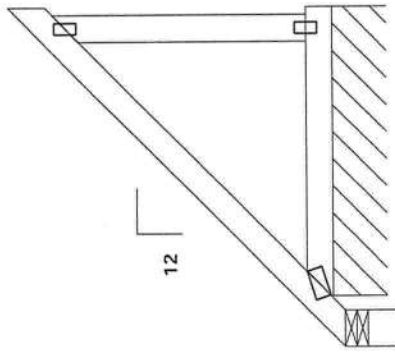
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 3.75
BC- From 4 plf at 0.00 to 4 plf at 3.75

120 mph wind, 24.21 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=2.0 psf. GCpi(+/-)=0.18

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.

1.5X3 III



1.5X3 III

2X4 (A5R) ≡

R=-75 R_w=76 U=74 W=4.95"
RL=60/-27

< 3-9-0 Over 2 Supports >

R=104 PLF U=27 PLF W=3-2-3

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

Scale = .5"/Ft.

PLT TYP. Wave

ALPINE

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and 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 details. Unless noted otherwise, top chord shall have properly installed and secured bracing. All bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and specifications. Trusses shall be installed in accordance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-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. This job's seal and stamp are required. ITW-066: www.itwbcg.com, TPI: www.tpiinc.org; WTCA: www.sbcindustry.com; ICSI: www.icSAFE.org



TC LL	20.0 PSF	REF	R9114- 81739
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCU9R9114 13022110
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97128
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.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 40 plf at 0.00 to 40 plf at 11.12
BC- From 3 plf at 0.00 to 3 plf at 11.12

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

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

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

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 @12.00" o.c.

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

Webs : 1 Row @ 4" o.c.

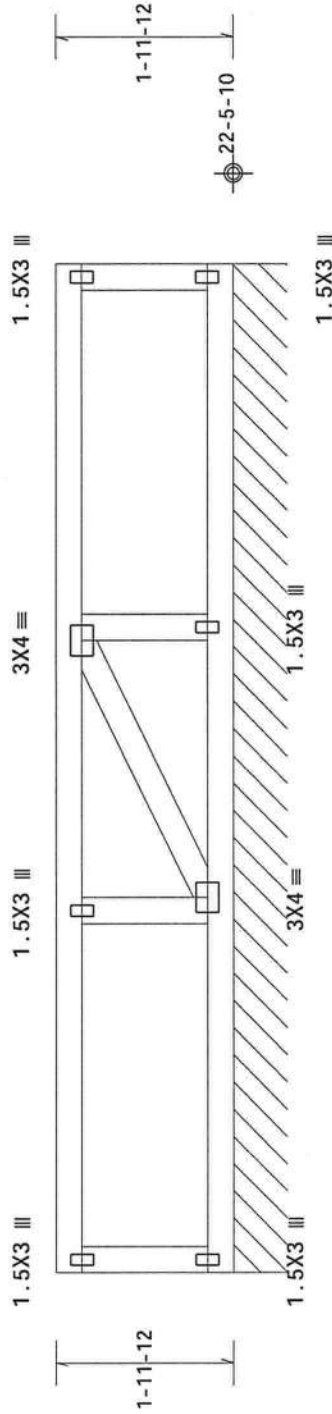
Use equal spacing between rows and stagger nails in each row to avoid splitting.

120 mph wind, 24.45 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=2.0 psf. GCpl(+/-)=0.18

See DWGS A12030ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

Trusses to be spaced at 16.0" OC maximum.

Truss must be installed as shown with top chord up.



11-1-7 Over Continuous Support

R=43 PLF U=10 PLF W=11-1-7

PLT TYP. Wave

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

Scale = .5" / Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**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 WTCA. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and battens. 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 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.alcnafe.org		TC LL	20.0 PSF	REF R9114- 81740
			TC DL	10.0 PSF	DATE 01/22/13
			BC DL	10.0 PSF	DRW HCUSR9114 13022111
			BC LL	0.0 PSF	HC-ENG WHK/WHK
			TOT.LD.	40.0 PSF	SEQN- 97129
			DUR.FAC.	1.25	FROM SDY
SPACING			16.0"	JREF- 1UT39114Z04	

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

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.

See DWGS A12030ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

Trusses to be spaced at 16.0" OC maximum.

Provide for complete drainage of roof.

Special loads

Dur. Fac.=1.25 / Plate Dur.Fac.=1.25)	
TC- From	40 plf at 0.00 to 40 plf at 9.92
BC- From	3 plf at 0.00 to 3 plf at 9.92

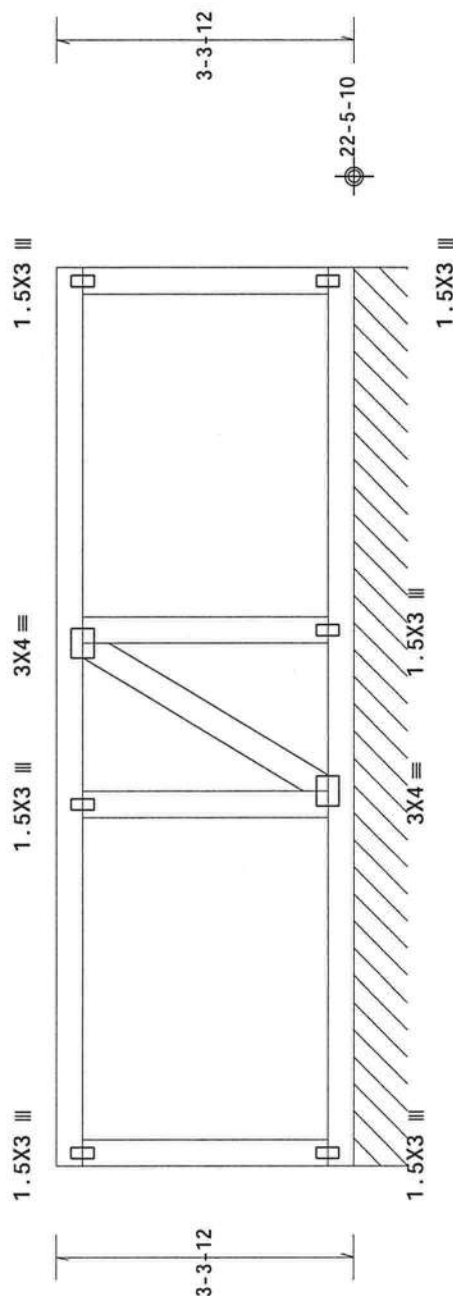
120 mph wind, 25.78 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. GCpl(+/-)=0.18

End verticals not exposed to wind pressure.

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

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

Truss must be installed as shown with top chord up.



9-11-1 Over Continuous Support

R=43 PLF U=11 PLF W=9-11-1

PLT TYP. Wave

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R9114- 81741
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022112
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	97130
DUR.FAC.	1.25		FROM	SDY
SPACING	16.0"		JREF-	1UT39114Z04

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12569
01/22/2013

ALPINE

TW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

(120912RX)--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - PB29)

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.

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

See DWGS A12030ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

Trusses to be spaced at 16.0" OC maximum.

Provide for complete drainage of roof.

Special loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 40 plf at 0.00 to 40 plf at 8.59
BC- From 3 plf at 0.00 to 3 plf at 8.59

120 mph wind, 27.11 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=2.0 psf. GCpl(+/-)=0.18

End verticals not exposed to wind pressure.

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

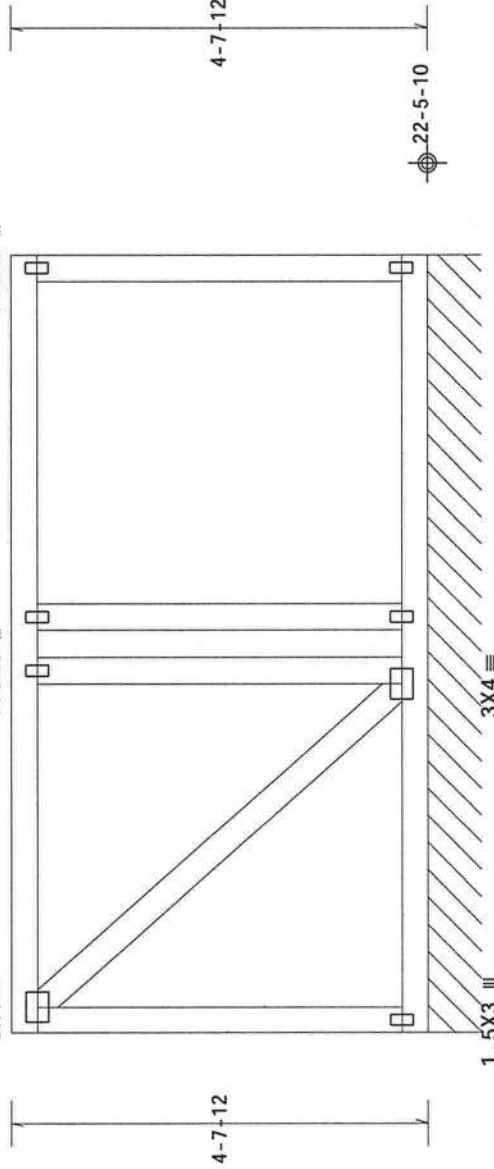
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up.
1.5X3 III

1.5X3 III

1.5X3 III

3X4 III



1.5X3 III

1.5X3 III

8-7-1 Over Continuous Support
R=43 PLF U=11 PLF W=8-7-1

PLT TYP. Wave

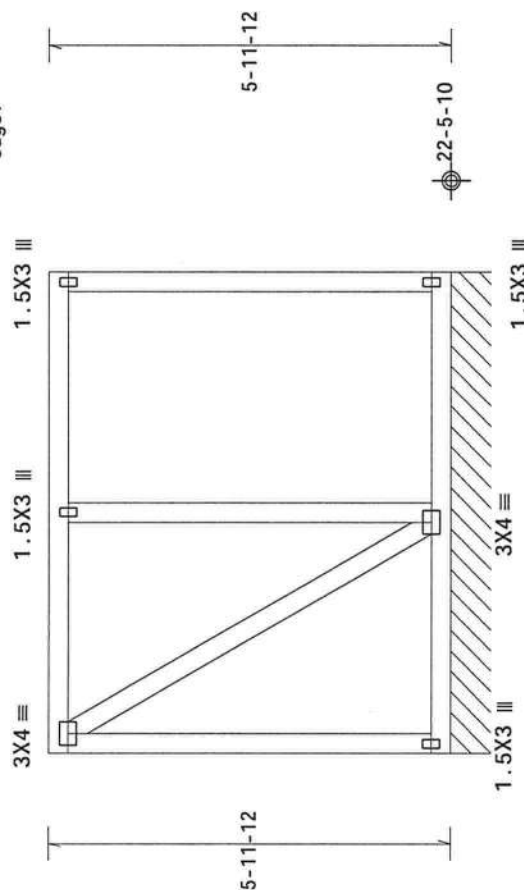
Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=20%(0%)/10(0)

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

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! **IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for details and instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 places 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.abnindustry.com; ICC: www.iccsafe.org			TC LL	20.0 PSF	REF	R9114- 81742
		TC DL	10.0 PSF	DATE	01/22/13		
		BC DL	10.0 PSF	DRW	HCSR9114 13022113		
		BC LL	0.0 PSF	HC-ENG	WHK/WHK		
		TOT.LD.	40.0 PSF	SEQN-	97131		
		DUR.FAC.	1.25	FROM	SDY		
SPACING	16.0"	JREF-	1UT39114Z04				

Truss must be installed as shown with top chord up.

MINWFRS loads based on trusses located at least 14.22 ft. from roof edge.



7-1-1 Over Continuous Support

PLT TYP.: Wave

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

Scale = .375"/Ft.

TC LL	20.0	PSF	REF R9114- 81743
TC DL	10.0	PSF	DATE 01/22/13
BC DL	10.0	PSF	DRW HCUR9114 13022114
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 97132
DUR.FAC.	1.25		FROM SDY
SPACING	16.0"		JREF- 1UT39114Z04

IMPORTANT

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

[illegible]

ITW Building Components Group Inc. (TWBCO) shall not be responsible for any deviation from this drawing or specification. The designer is responsible for ensuring that all drawings are in accordance with AIA/TPI 1, for handling, shipping, installation, storage, and use. The designer is responsible for providing all necessary information on construction details, unless noted otherwise. Refer to drawings 180A-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 AIA/TPI 1 Sec.2. For more information: This job # TWB666; www.lanley.com; LANLEY.COM; TPI: wepp@tpi.org; WDA: www.sdsinfo.net; ICC: www.iccsafe.org



01/22/2013

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

Special loads

Special Loads		Dur. Fac.=1.25 / Plate Dur.Fac.=1.25	
(Lumber		40 plf at	40 plf at
TC- From		0.00 to	6.16
BC- From		3 plf at	6.16

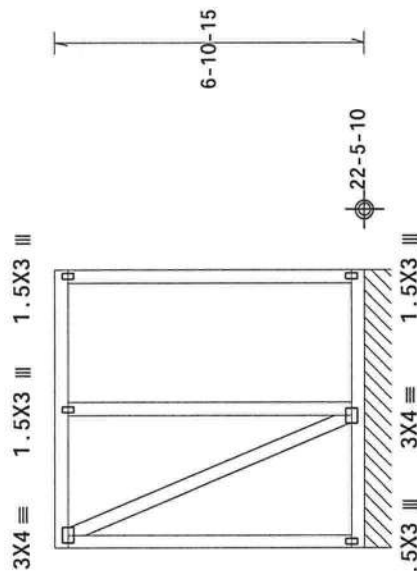
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

1120 mph wind, 29.38 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=2.0 psf. GCpi(+/-)=0.18

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.



6-1414 Over Continuous Support

R=43 PLF U=13 PLF W=6-1-14

PLT TYP.: Wave

Design Crit: FBC2010Res/TP1-2007(STD)

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

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R9114- 81744
TC DL	10.0	PSF	DATE 01/22/13
BC DL	10.0	PSF	DRW HCUR9114 13022115
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 97133
DUR.FAC.	1.25		FROM SDY
SPACING	16.0"		JREF- 1UT39114Z04

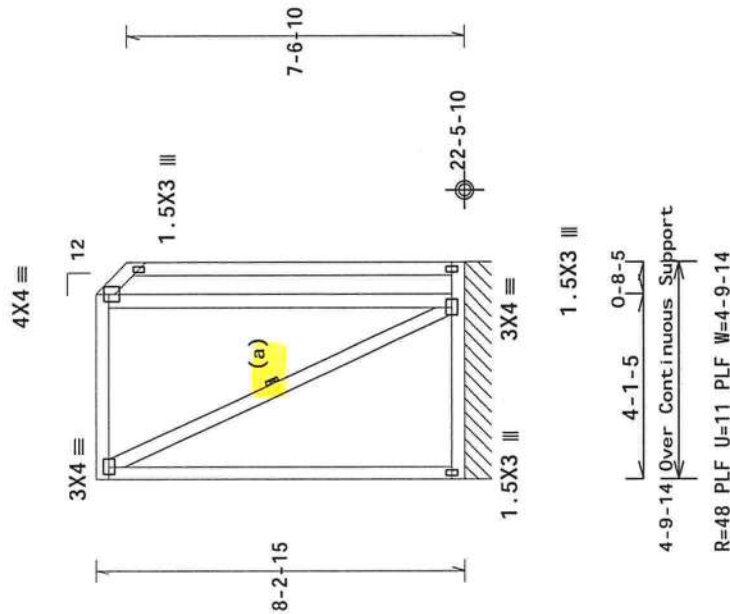
01/22/2013

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

MMWFRS loads based on trusses located at least 15.18 ft. from roof edge.



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.**

Trussess require extreme care in fabricating, handling, shipping, installing and bracing, follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WCA. The contractor must ensure that all connections are made in accordance with the design. If the contractor notices deterioration, 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 R3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this code of ethics. The manufacturer will accept no responsibility for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or erection of the truss. The manufacturer will accept no responsibility for any damage to the truss, unless noted otherwise. Refer to drawings A60A-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: This Job's specifications and drawings. TWBCG: www.twbcg.com; TPI: enlighten.org; WFA: www.wfae.com; ISEE: www.iseefair.org

Special Loads	----- (Lumber	Dur. Fac.=1.25 /	Plate Dur. Fac.=1.25)
TC- From	46 pif at 0.00 to	46 pif at 4.11	
TC- From	46 pif at 4.11 to	46 pif at 4.80	
BC- From	3 pif at 0.00 to	3 pif at 4.80	

120 mph wind, 30.37 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=2.0 psf. GCpi (+/-)=0.18

(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.

TC LL	20.0 PSF	REF	R9114- 81745
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022116
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97134
DUR.FAC.	1.25	FROM	SDY
SPACING	16.0"	JREF-	1UT39114Z04

01/22/2013

ITW Building Components Group Inc.
Haines City, FL 33844
El C COA # 2378

(120912)R--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - PB33)

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.

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

End verticals not exposed to wind pressure.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 46 plf at 0.00 to 46 plf at 1.44
BC- From 46 plf at 1.44 to 46 plf at 3.47
3 plf at 0.00 to 3 plf at 3.47

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=2.0 psf. GCpl(+/-)=0.18

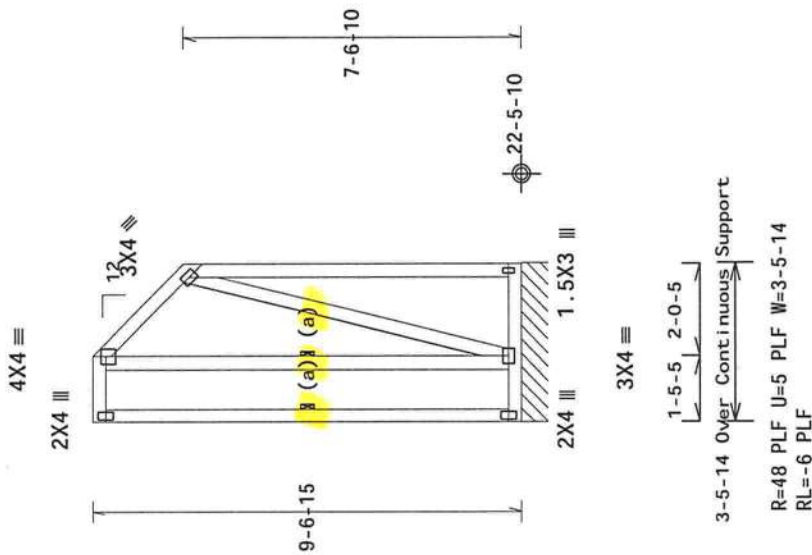
(a) Continuous lateral bracing equally spaced on member.

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

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 15.52 ft. from roof edge.



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

PLT TYP. Wave	Scale = .25"/Ft.	
	REF R9114- 81746	DATE 01/22/13
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	TC LL 20.0 PSF	DRW HCUS9114 13022117
	TC DL 10.0 PSF	HC-ENG WHK/WHK
10.03.11.0109.19 10.03.11.0109.19 10.03.11.0109.19	BC DL 10.0 PSF	SEQN- 97135
	BC LL 0.0 PSF	FROM SDY
10.03.11.0109.19 10.03.11.0109.19 10.03.11.0109.19	TOT.LD. 40.0 PSF	JREF- 1UT39114Z04
	DUR.FAC. 1.25	
10.03.11.0109.19 10.03.11.0109.19 10.03.11.0109.19	SPACING 16.0"	



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. For to follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) and 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 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 acceptance of professional engineering 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; WTC: www.alcsc.org
IDC: www.lccafe.org

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.

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

(a) Continuous lateral bracing equally spaced on member.

Special loads

-----	(Lumber	Dur. Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From	46 pif at 0.00 to 46 pif at 2.13	
BC- From	3 pif at 0.00 to 3 pif at 2.13	

120 mph wind, 31.09 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=2.0 psf. GCpi(+/-)=0.18

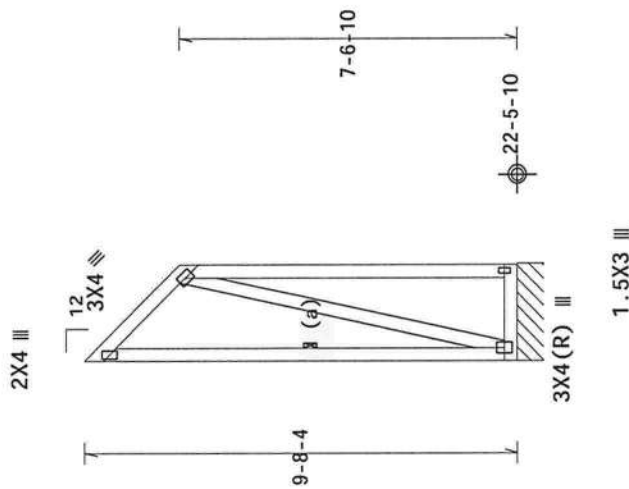
End verticals not exposed to wind pressure.

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

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 15.54 ft. from roof edge.



2-1-14 Over | Cont inudus Support

R=48 PLF U=1 PLF W=2-1-14
RI=-10 PLF

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STP)

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

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

IMPORTANT! Trussos require extreme care in fabricating, handling, shipping, installing and bracing. Consult this section to all contractors regarding prefabricated trusses.

practices prior to performing these functions. Installers shall provide temporary bracing post
follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for

shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed over BCS sections 03, 07 or 010, as applicable.

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

any failure to build the truss in conformance with ANSI/P1-1, or for handling, snipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the back of the plates. Refer to drawings T04-1.7 for standard plate positions. A small number of trusses may be found with a hole in the web. If the hole is in the web, the hole is not critical unless noted otherwise. Refer to drawings T04-1.7 for standard plate positions. A small number of trusses may be found with a hole in the web. If the hole is in the web, the hole is not critical unless noted otherwise. Refer to drawings T04-1.7 for standard plate positions.

noted to drawings four-2, for standard plate position. It is possible that the drawing and cover page listing this drawing, indicates acceptance of professional engineering. The suitability and use of this design for any structure is the responsibility solely for the design shown.

the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see:
general notes page: ITW-8CG; www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.abindustry.com;

ICC: www.iccsafe.org

Scale = .25"/Ft.

REF R9114- 8174

DATE 01/22/13

1777/10 7140

DRW HCUSR9114 13022

HC-ENG WHK/WHK

SEQN- 97136

FROM SDY

IDEE - 11T3Q111470

REF - 1013911420

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - HJ1)

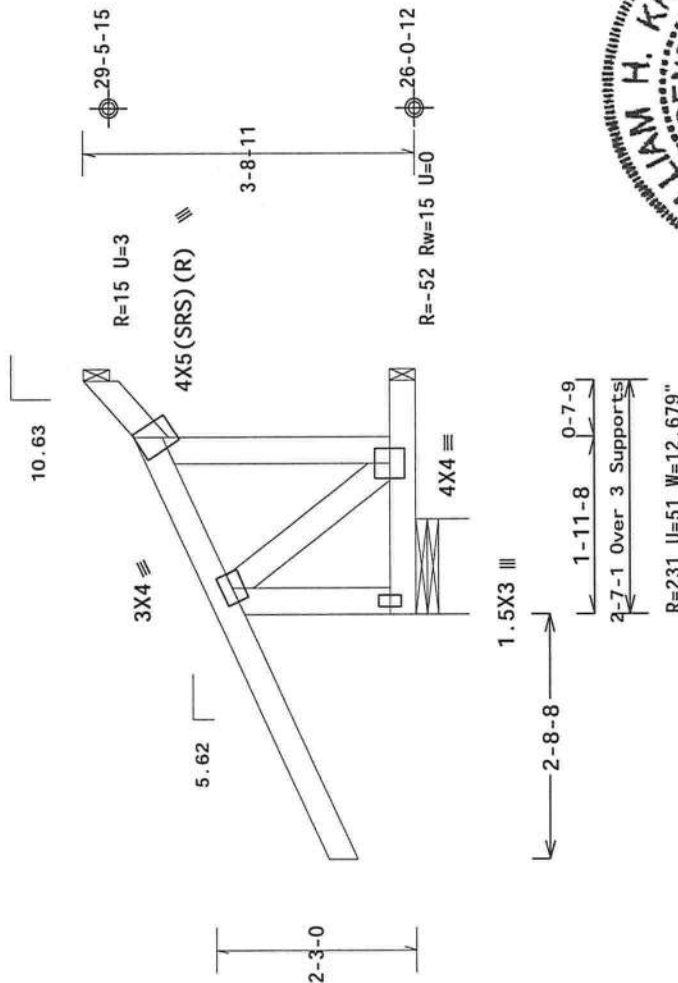
Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

Wind loads and reactions based on MWFRS.

Hipjack supports 1-9-15 setback jacks with no webs.

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/TP1-2007(ST)

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R9114-	81748
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13022119
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	97137	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

****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 BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing until all wall panels are in place. Trussco does not warrant the structural integrity of the product. We shall have a properly attached structural sheathing and bottom chord in place. Locations shown for permanent lateral bracing. Permanent bracing shall be installed prior to sheathing.

[illegible]

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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - HJ2)

Top chord 2x6 SP #1_Dense_12A :T2 2x4 SP_#1_12A;

Bot chord 2x4 SP_#1_12A

Webs 2x4 SP_#3_12A

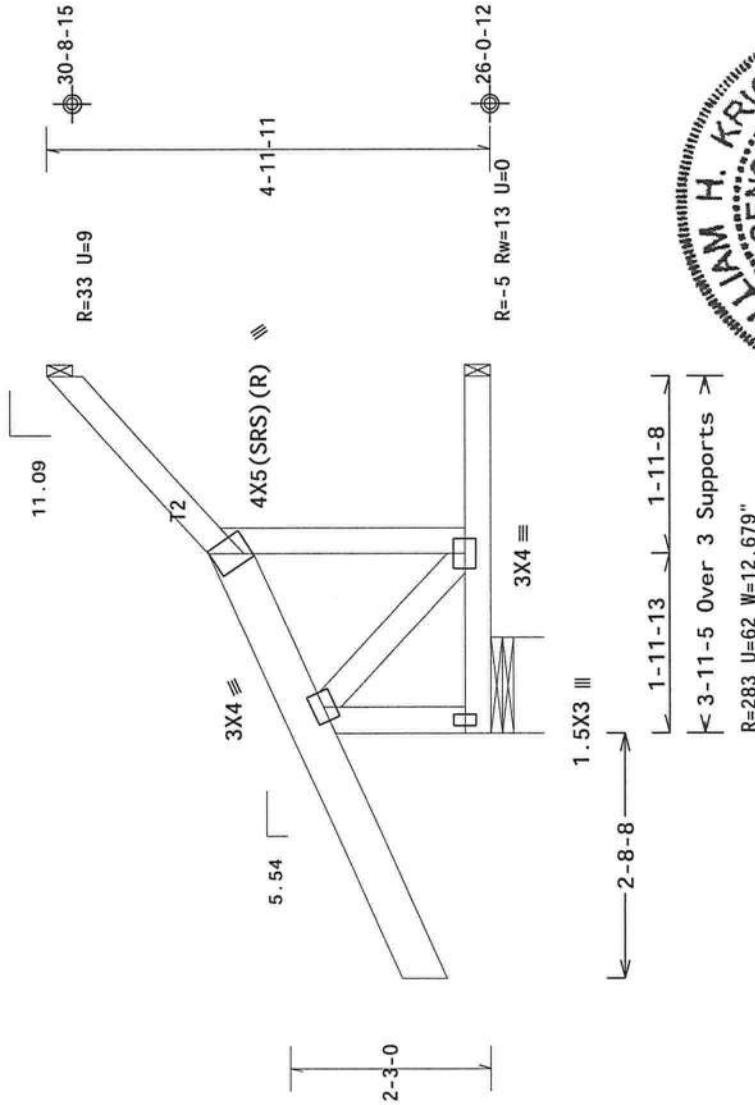
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 29.05 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.

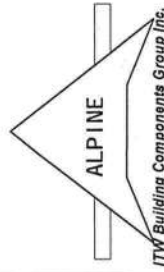
Hipjack supports 2-9-7 setback jacks with no webs.

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)

PLT TYP. Wave



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. Trusses shall be installed in accordance with the ITW Building Components Group Inc. (ITWBCG) Building Component Safety Information, by TPI and WTCA. 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 BCS1 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, 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 1604-2 for standard plate positions. The seal on this drawing 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.alcindustry.com; ICC: www.iccsafe.org

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R9114-	81749
TC DL	10.0 PSF	DATE	01/22/13	
BC DL	10.0 PSF	DRW	HCU89114	13022120
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	97138	
DUR.FAC.	1.25	FROM	SDY	
SPACING	24.0"	JREF-	1UT39114Z04	

120 mph wind, 29.10 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

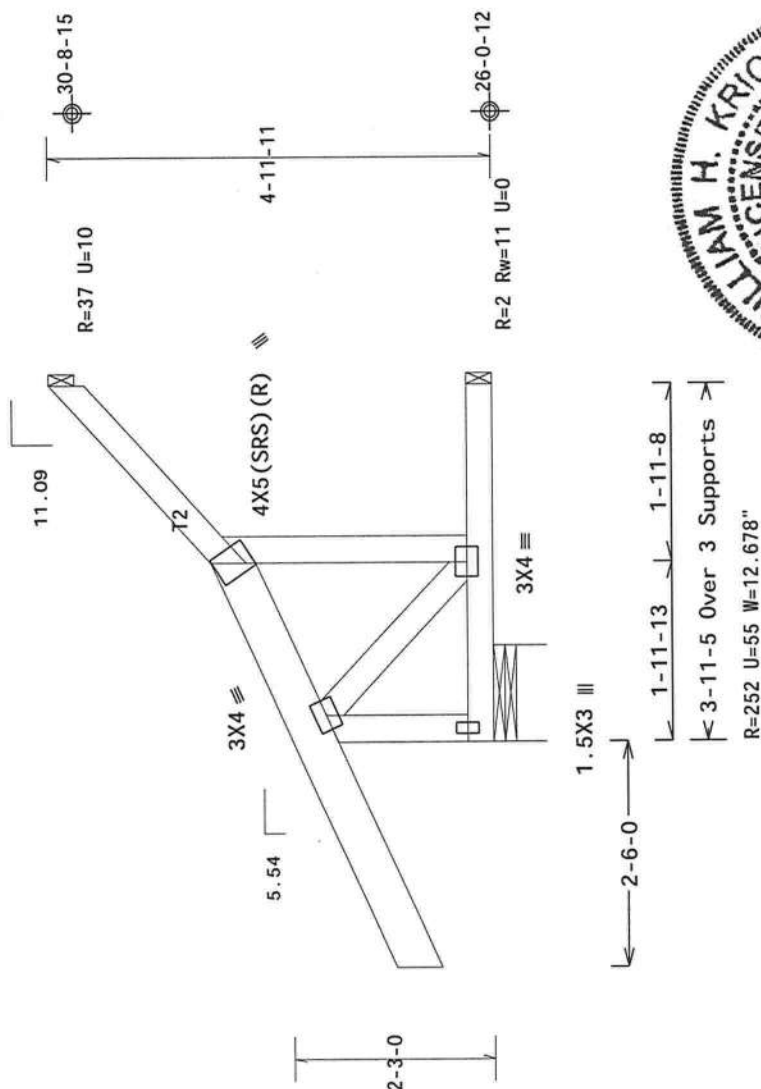
Webs 2x4 SP_#3_12A

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

Wind loads and reactions based on MWFRS.

Hipjack supports 2-9-7 setback jacks with no webs.

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

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

PLT TYP. Wave

FL/-/5/-/-/R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R9114- 81750
TC DL	10.0 PSF	DATE 01/22/13
BC DL	10.0 PSF	DRW HCURS9114 13022121
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 97139
DUR. FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Be sure to follow the rules and regulations set forth by the building codes and engineering specifications, by TPI and WTCA for all truss applications.

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

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

To perform these functions, installers shall provide temporary bracing per ANSI/TPI-1 Section 8.06. Trusses shall have a 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 BCOS sections B3, B7 or B10, as applicable.

TWB Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this design due to improper 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. All other dimensions are approximate. 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 for any structure built in accordance with the Building Designation per ANSI/TPI-1 Sec. 2. For more information see: This Job's General Notes pages TWB-BGS; www.tbweng.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com;

www.1ccsafo.org

ALPINE

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

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

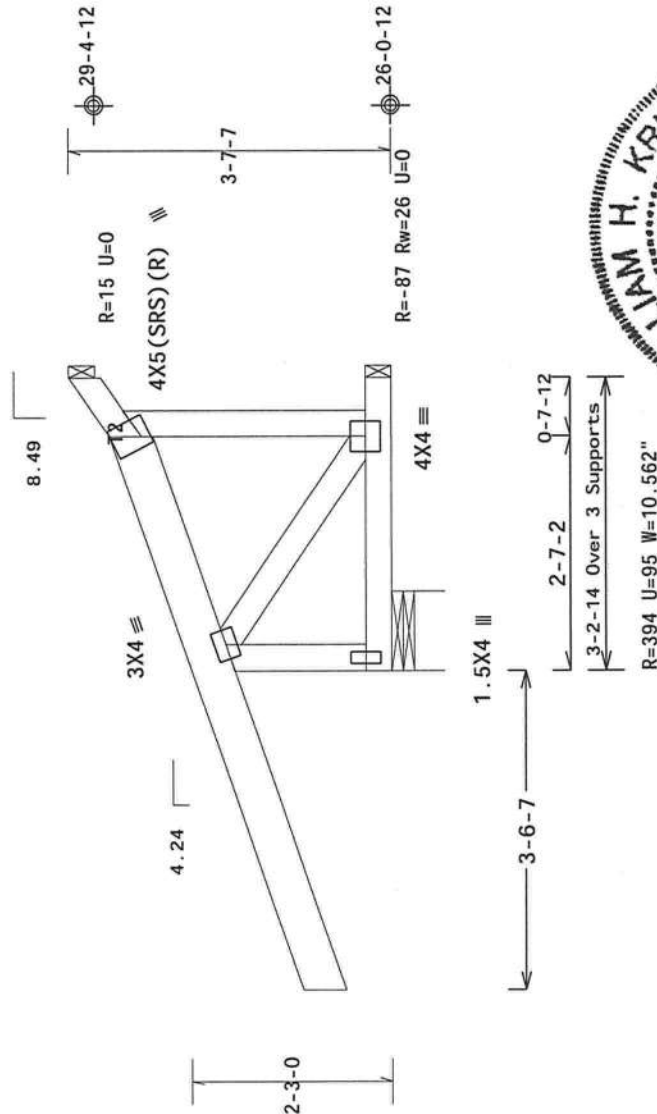
Top chord	2x8	SP_#1_12A
Bot chord	2x4	SP_#3_12A
Webs	2x4	SP_#3_12A

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

Wind loads and reactions based on MWFRS.

Hipjack supports 2-3-8 setback jacks with no webs.

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



PLT TYP.: Wave

Design Crit: $\text{FBC2010Res}/\text{TP1-2007}(\text{STD})$
 $\text{FT}/\text{RT}=20\%(0\%)/10(0)$

Scale = .5"/Ft.

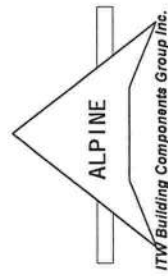
TC LL	20.0	PSF	REF R9114- 81751
TC DL	10.0	PSF	DATE 01/22/13
BC DL	10.0	PSF	DRW HCURS9114 13022122
BC LL	0.0	PSF	HC-ENG WHK/WHK
TOT.LD.	40.0	PSF	SEQN- 97140
DUR.FAC.	1.25		FROM SDY
SPACING	24.0"		JREF- 1UT39114Z04

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

••IMPORTANT••

[illegible][illegible]

nes City, FL 33844
 El COA #0 278

Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved

1/5/2012 by ALSC.

Hipjack supports 4-11-8 setback jacks with no webs.

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



Design Crit: FBC2010Res/TPI-2007(Std)

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

****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses shall be installed in accordance with the design and shall be installed to follow the latent design of BCSP (Building Component Safety Information, by TPI and WTC). Trusses shall be installed in accordance with the design and shall be installed to follow the practices prior to performing these functions. Installers shall provide temporary bracing per the design and shall be installed in accordance with the design and shall be installed to follow the practices noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have permanent lateral restraint. Locations shown for permanent lateral restraint shall have permanent lateral restraint per BCSP sections B3, B9 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this specification. If 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 and the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page; ITW-BCC: www.itwbccg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; www.tccinfo.org

REF R9114- 81752

DATE 01/22/13

DPW HCUSP9114 1302212

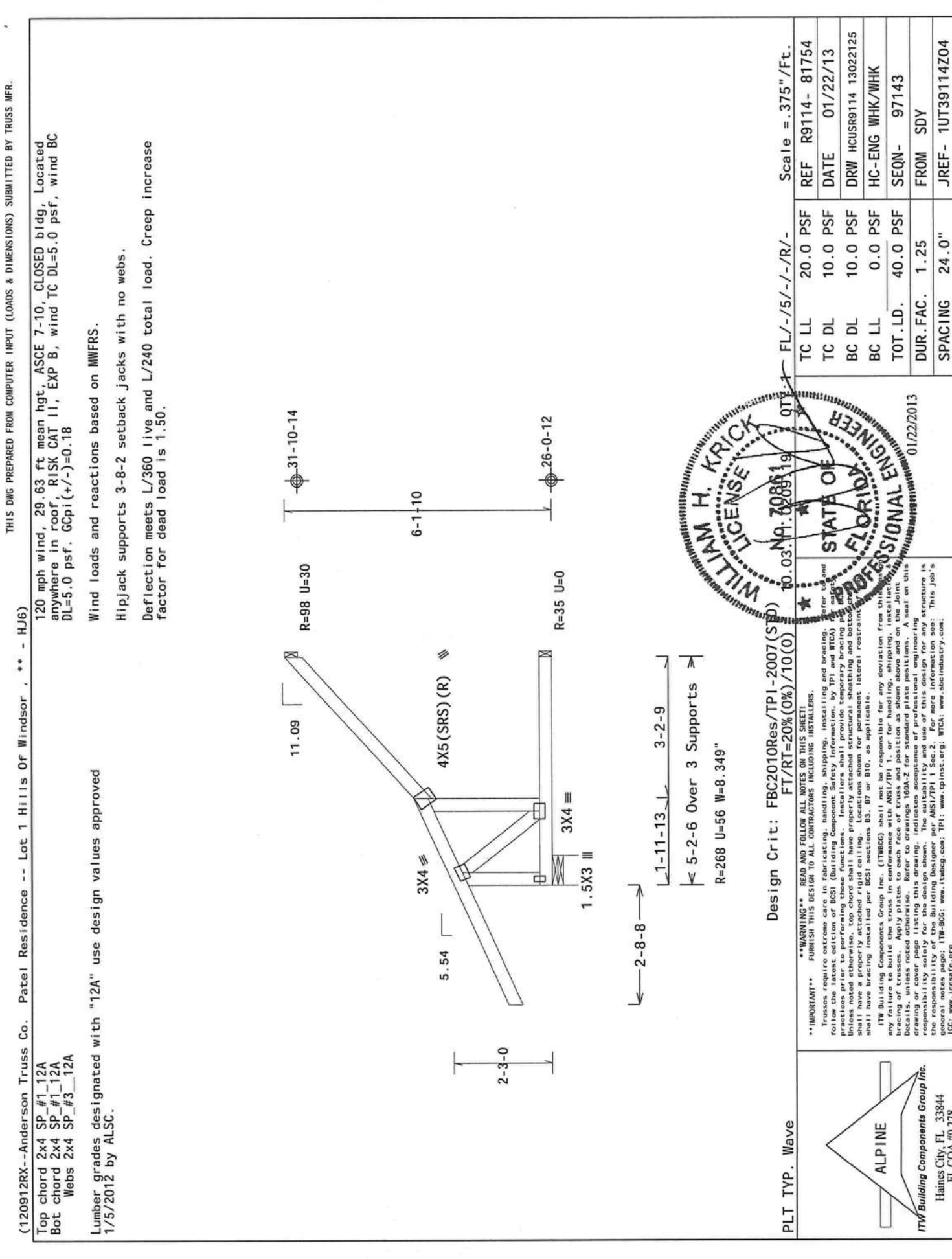
CH ENC WHK /WHK

07111	07111
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SEQN- 9/141

FROM STUDY

JREF- 1UT39114Z04



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

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - HJ6)

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.

Wind loads and reactions based on MWFRS.

Hipjack supports 3-8-2 setback jacks with no webs.

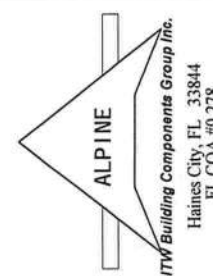
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

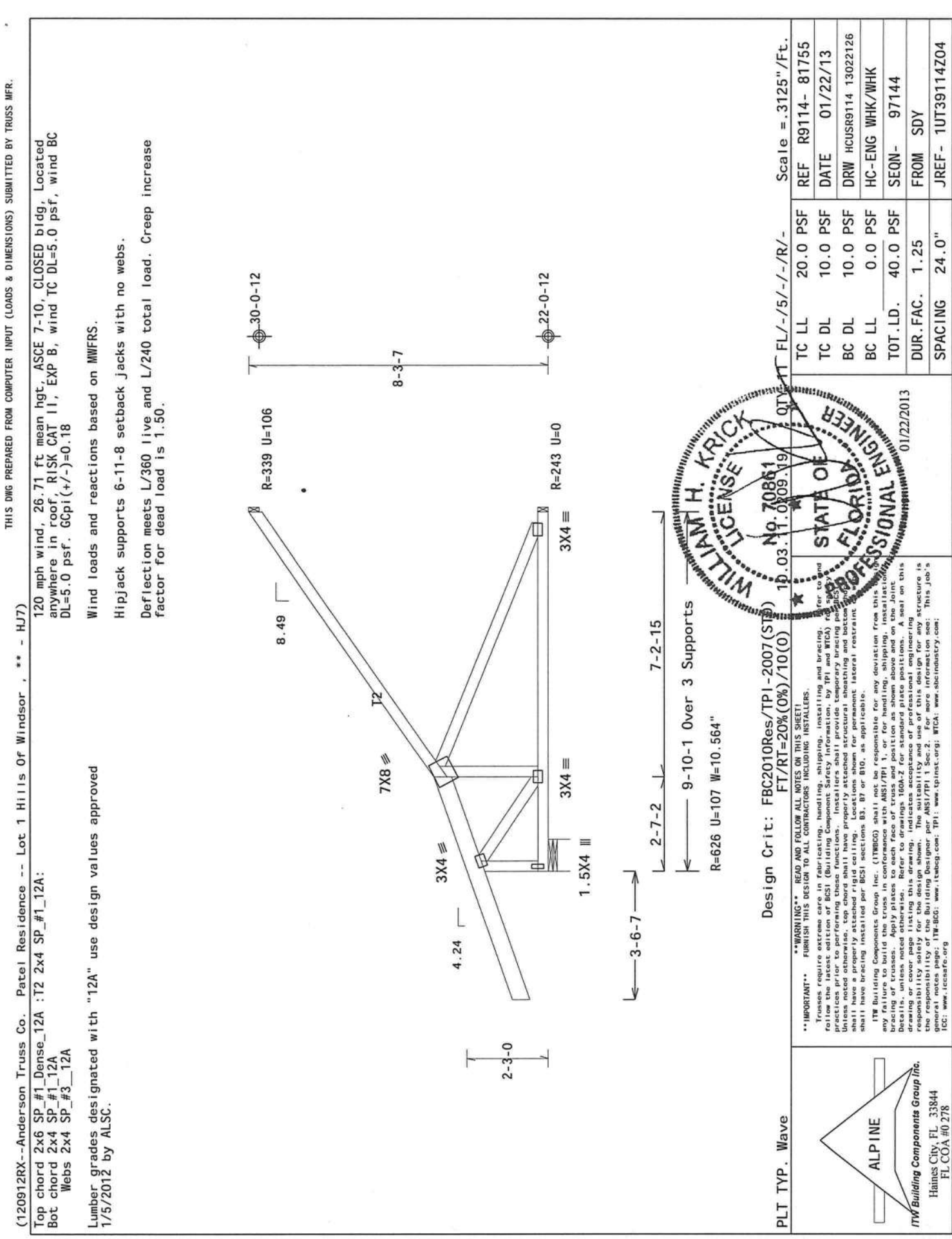
PLT TYP. Wave

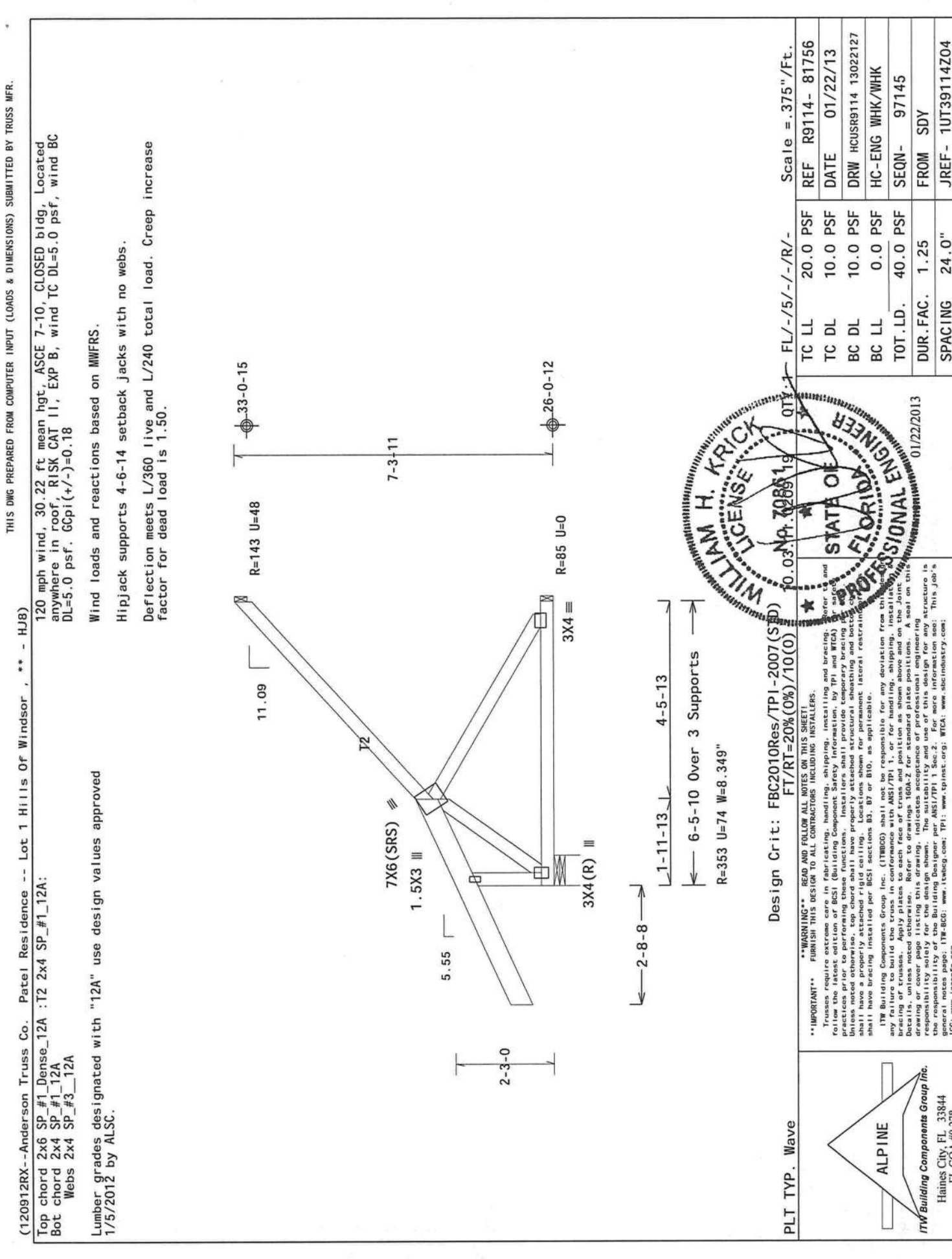
Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=20% (0%)/10(0)

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R9114- 81754
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022125
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97143
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04







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

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

Top chord 2x6 SP #1_Dense_12A :T2 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.

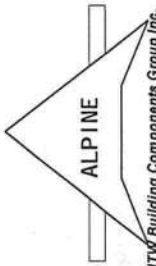
Wind loads and reactions based on MWFRS.
Hipjack supports 4-6-14 setback jacks with no webs.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

1-11-13
4-5-13
6-5-10 Over 3 Supports
R=353 U=74 W=8.349"

PLT TYP. Wave

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

TC LL	20.0 PSF	FL/-5/-/-/R/-	Scale = .375"/Ft.
TC DL	10.0 PSF	REF R9114- 81756	
BC DL	10.0 PSF	DATE 01/22/13	
BC LL	0.0 PSF	DRW HCUSR9114 13022127	
TOT. LD.	40.0 PSF	HC-ENG WHK/WHK	
DUR. FAC.	1.25	SEQN- 97145	
SPACING	24.0"	FROM SDY	
		JREF- 1UT39114Z04	



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.

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 WTA) for safe practices prior to performing these functions. Installers shall provide temporary bracing per section 1608.2.2 of the IBC. Trusses shall have a properly attached right side gable end bracing system for 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 to the design. The contractor shall be responsible for the accuracy of the design and for the safety of the building. The contractor shall be responsible for the safety of the building. The contractor shall be responsible for the safety of the building.

01/22/2013

WILLIAM H. KRICK
LICENSE
FLORIDA
PROFESSIONAL ENGINEER
10.03.19.028819

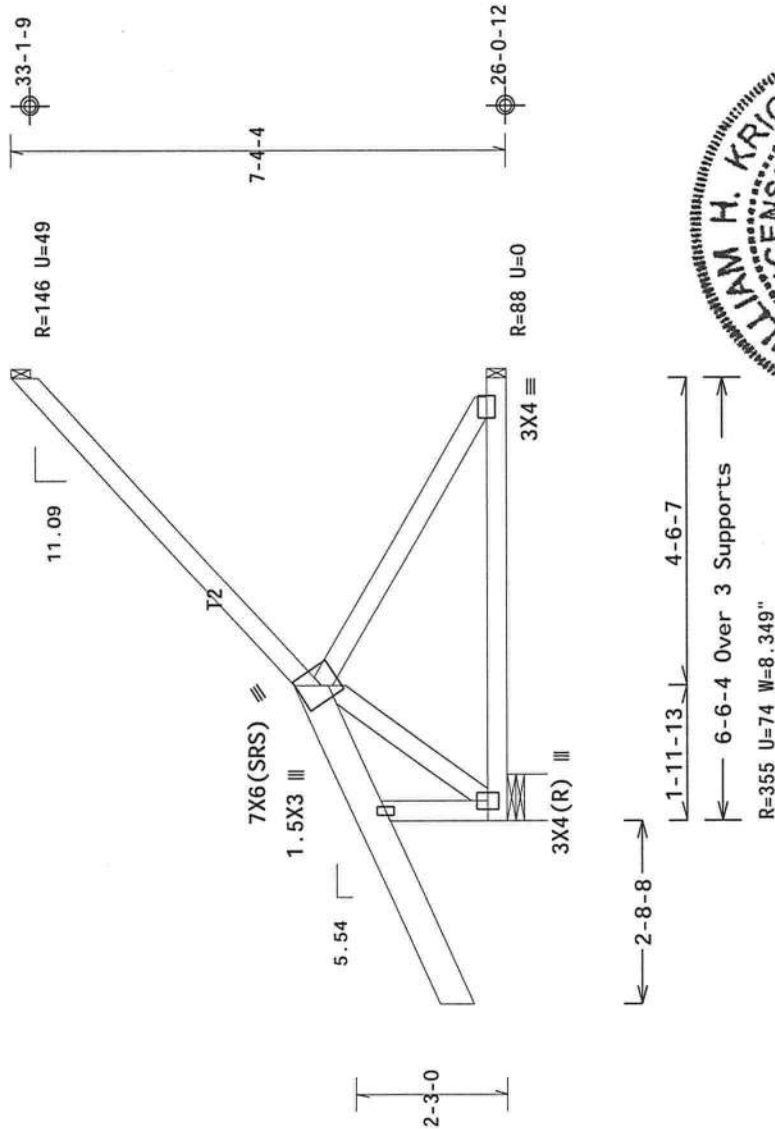
Top chord 2x6 SP #1 Dense_12A : T2 2x4 SP #1_12A: 120 mph wind, 30.24 ft. mean hgt., ASCE 7-10, CLOSED bldg. Located
Bot chord 2x4 SP #1_12A anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC
Webs 2x4 SP #3_12A DL=5.0 psf. GCpl(+/-)=0.18

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

Wind loads and reactions based on MWFRS.

Hipjack supports 4-7-5 setback jacks with no webs.

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



PLT TYP.: Wave

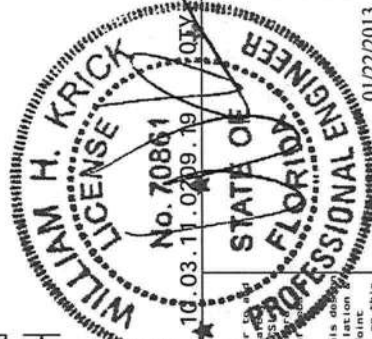
Design Crit: $\text{FBC2010Res}/\text{TPI}-2007(\text{ST})$
 $\text{FT}/\text{RT}=20\%(0\%)/10(0)$

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

****IMPORTANT****

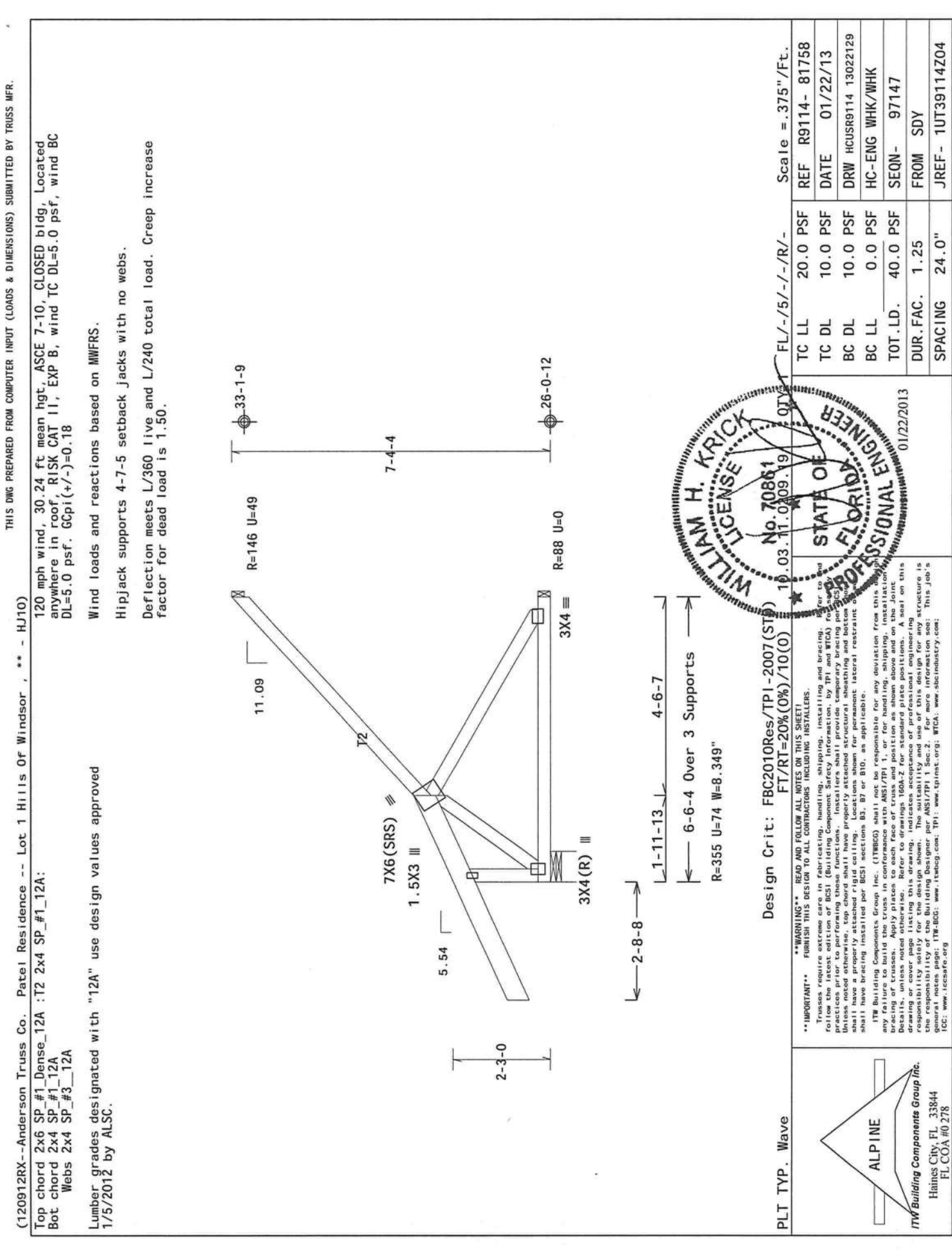
Trusses require extra care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information by TPI and WICA for more information on these products. Installers must provide adequate bracing during installation practices prior to performing these functions. Installers should follow the top chord and bottom chord bracing details shown in Figures 8-1 through 8-6. The side chord bracing and bottom chord bracing details shown in Figures 8-7 through 8-9 are optional. Truss manufacturers shall have bracing installed per BCS sections C3, D7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBC) shall not be responsible for any deviation from this drawing. The Designer shall be responsible for the design of the structure, including the design of the bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on 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: This job's general notes page; ITW-860; www.itwbc.com; itwbc@itw.com; www.itwbc.com; www.itwbc.com.



01/22/2013

FL/-/5/-/-/R/-	Scale = .375"/Ft.
TC LL 20.0 PSF	REF R9114- 81757
TC DL 10.0 PSF	DATE 01/22/13
BC DL 10.0 PSF	DRW HCURSR9114 13022128
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT.LD. 40.0 PSF	SEQN- 97146
DUR.FAC. 1.25	FROM SDY
SPACING 24.0"	JREF- 1UT39114Z04



Design Crit: FBC2010Res/TPI-2007(STP)
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. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTGA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI details and otherwise attached prior to erection. Temporary bracing shall be installed in accordance with BCSI details and otherwise attached prior to erection. Temporary 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 conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information, visit our website at: www.itwbcg.com. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WTGA: www.sbsindustry.com; ICC: www.iccsafe.org

PLT TYP. Wave

ALPINE

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

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .375"/Ft.
TC DL	10.0 PSF	REF R9114- 81758	
BC DL	10.0 PSF	DATE 01/22/13	
BC LL	0.0 PSF	DRW HCUSR9114 13022129	
TOT.LD.	40.0 PSF	HC-ENG WHK/WHK	
DUR.FAC.	1.25	SEQN- 97147	
SPACING	24.0"	FROM SDY	
		JREF- 1UT39114Z04	

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

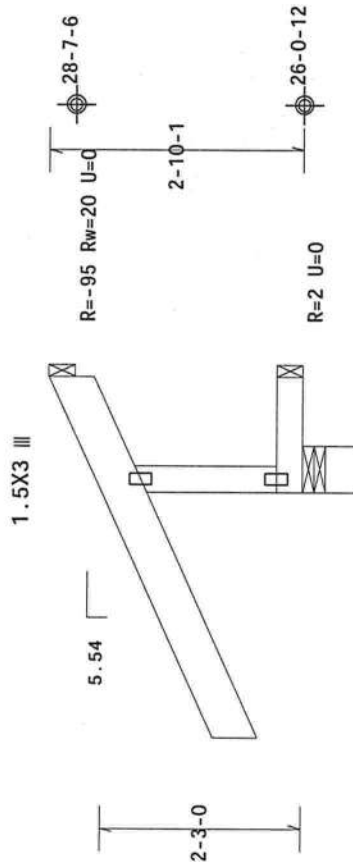
120 mph wind, 27.98 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

Wind loads and reactions based on MWFRS.

Hipjack supports 0-10-14 setback jacks with no webs.

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



2-8-8
1-3-6 Over 3 Supports
R=215 U=47 W=6.184"

PLT TYP. Wave

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

Scale = .5"/Ft.

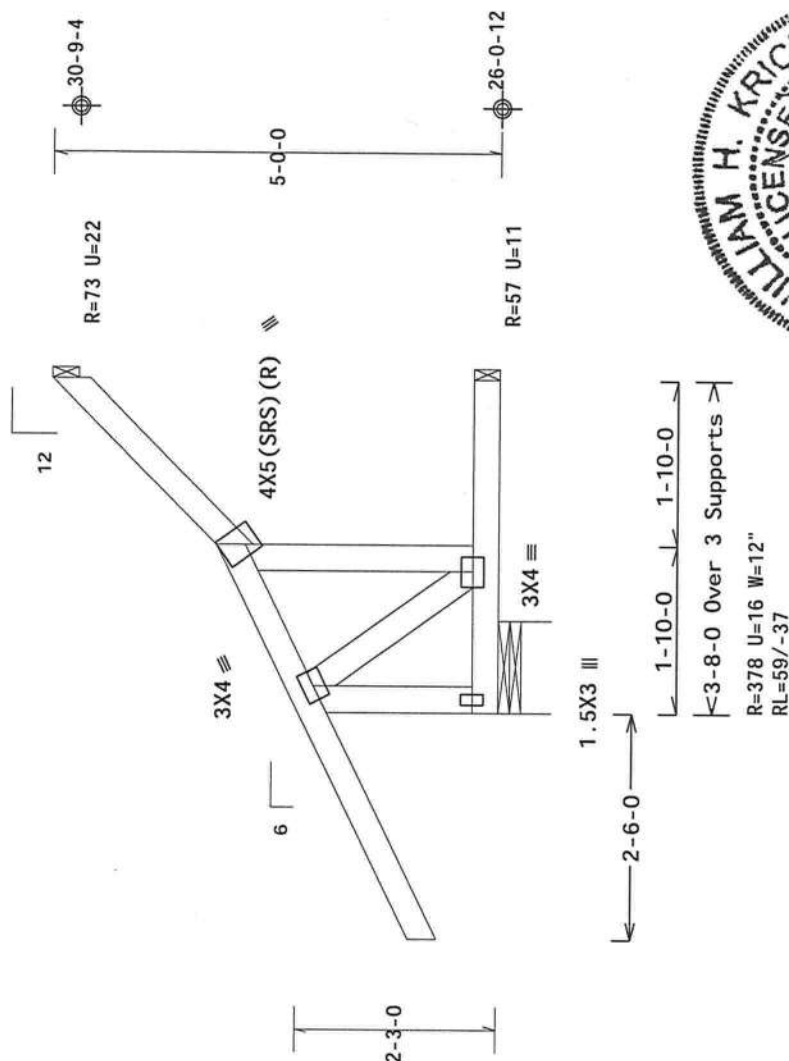
 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WDA) for details. Unless noted otherwise, all dimensions are in feet and inches. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses 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, indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/TPI 1, Section 2. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net; WDA: www.alcindustry.com; ICC: www.iccsafe.org			TC LL	20.0 PSF	REF	R9114- 81759
		TC DL	10.0 PSF	DATE	01/22/13		
		BC DL	10.0 PSF	DRW	HCUSR9114 13022130		
		BC LL	0.0 PSF	HC-ENG	WHK/WHK		
		TOT.LD.		40.0 PSF	SEQN-	97148	
		DUR.FAC.	1.25	FROM	SDY		
SPACING	24.0"	JREF-	1UT39114Z04				

120 mph wind, 29.06 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. 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.

MMWFRS loads based on trusses located at least 29.06 ft. from roof edge.



PLT TYP. Wave

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, hoisting, shipping, installing and bracing. To follow the latest edition of BCSI (Building Component Safety Institute) specifications for Trusses and WTCs (Wood Truss Connections), installers shall provide a permanent lateral restraint for each chord. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any direction from this advertisement. If you are unable to contact ITWBCG, please contact the person listed below. In the event of any failure to build the truss in conformance with ANSI/TPI 1 or for handling or installation 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 contract documents. ITWBCG: www.itwbcg.com; ANSI/TPI1: www.tpiinc.net; WTCG: www.abcdindustries.com; CC: www.LCSA646.org

ALPINE

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R9114- 81760
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022131
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEQN-	97149
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.

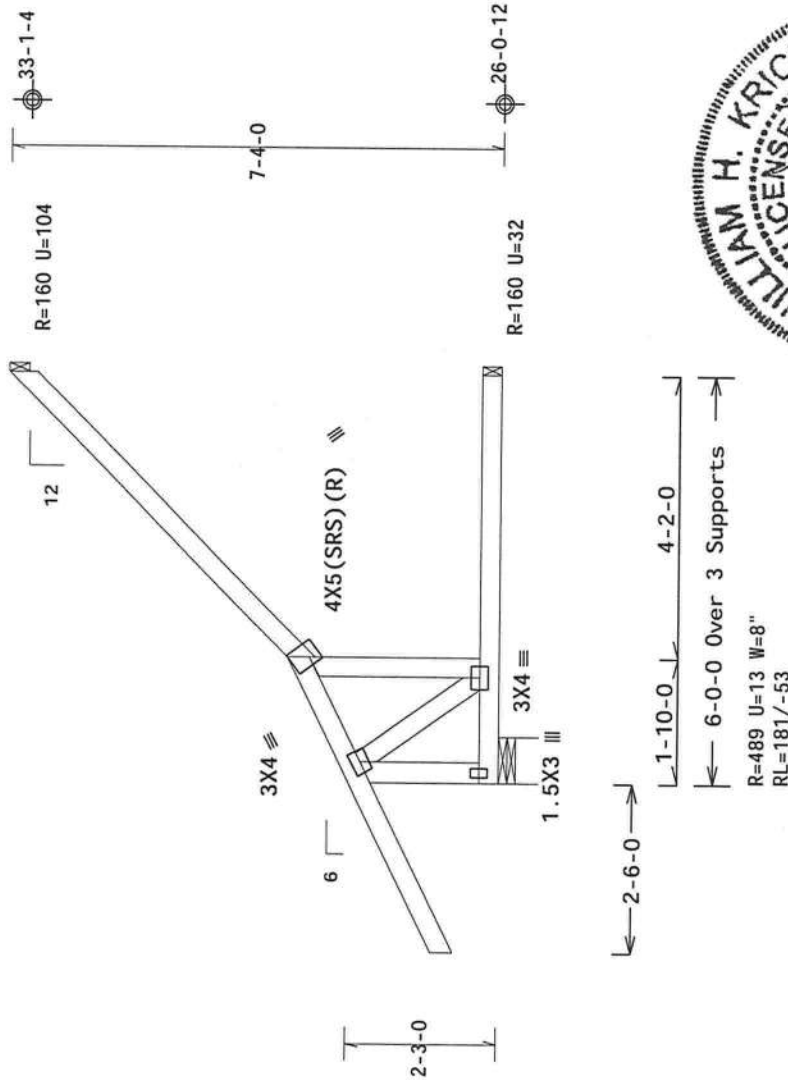
Bottom chord checked for 10.00 psf non-concurrent live load.

120 mph wind, 30.23 ft mean ht, 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.

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.



PLT TYP. Wave

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

TC LL	20.0 PSF	REF	R9114- 81761
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022132
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97150
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

Scale = .375"/Ft.

William H. Krick
LICENSE
No. 70881
10.03.11.0309.19
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
01/22/2013

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For total and partial erection, refer to drawings 100A-2 for standard plate positions and on this drawing or cover page listing 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 ICC: www.iccsafe.org

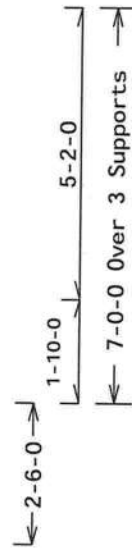
ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

120 mph wind, 26.73 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=496 U=0 W=8"
RL=189/-61

Design Crit: FBC2010Res/TPI-2007(STD)

NO. 608019 / QTY: 28 FL / - / 5 / - / - / R / -
 Scale = .3125" / Ft.

TC LL	20.0 PSF	REF	R9114- 81766
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022137
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97155
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

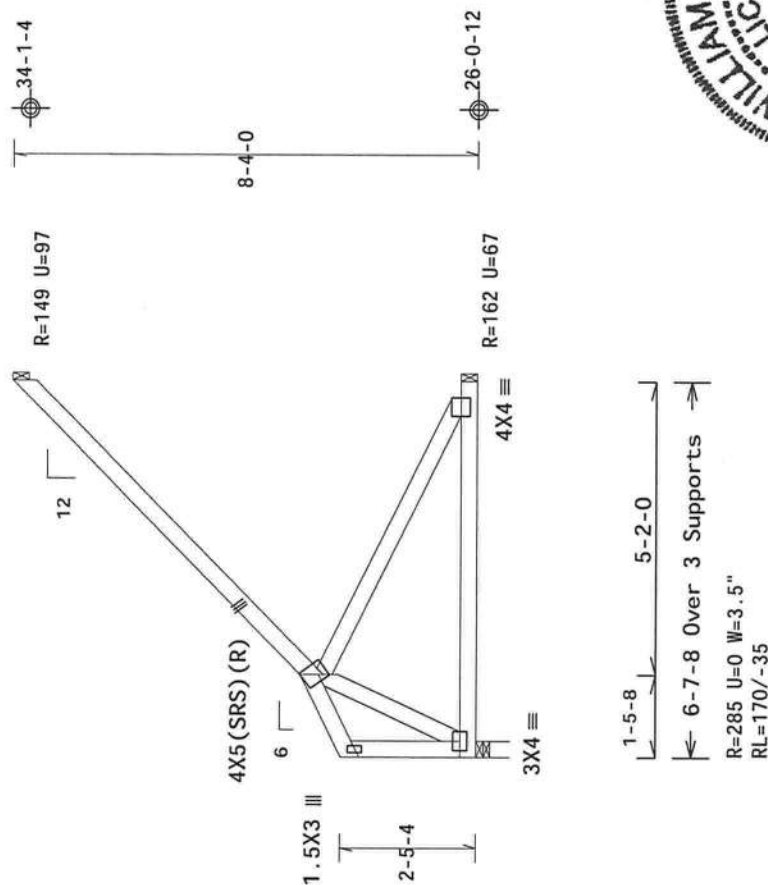
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

120 mph wind, 31.45 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.



PLT TYP. Wave

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

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R9114- 81767
TC DL	10.0 PSF	DATE 01/22/13
BC DL	10.0 PSF	DRW HCUSR9114 13022138
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 97156
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

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

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

****IMPORTANT****

Trussess require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BESI Building Component Safety Information, by TPI and WITCA for further details. Truss installers shall provide temporary bracing per the design and erection instructions noted otherwise. Top chord shall be braced with diagonal bracing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of columns 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 or any failure to build the truss in accordance with ANSI/TPI 1, for any building or for any bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless 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 1 Sec.2. For more information see: the following internet pages: ITW-BDCG: www.selcity.com; TPI: www.tpiinc.net; WITCA: www.sdcindust.com; BESI: www.besi.com

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.

Left end vertical not exposed to wind pressure.

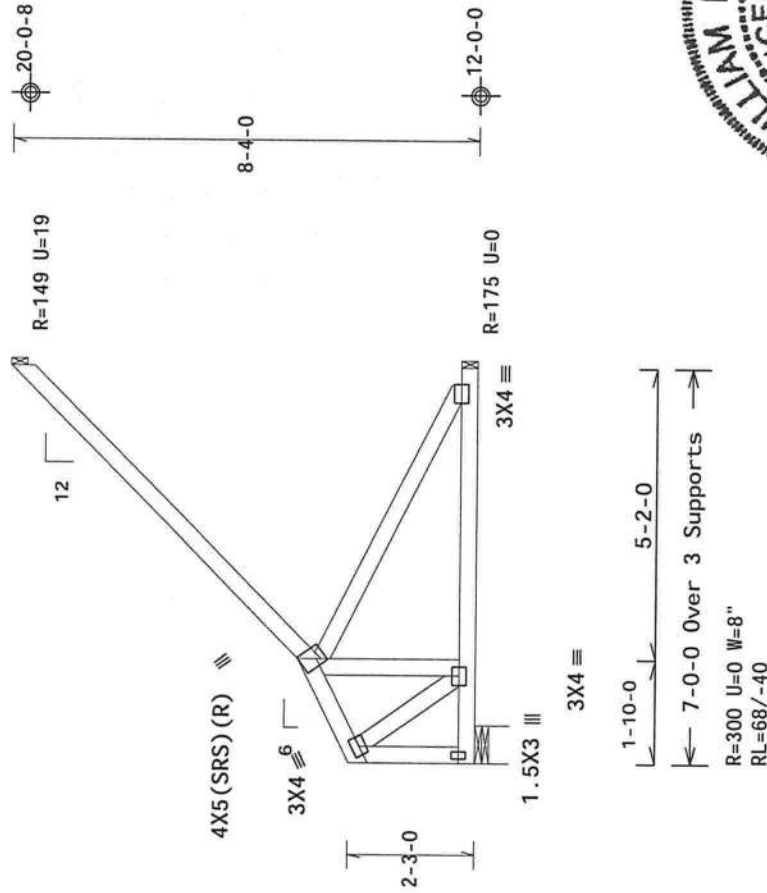
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 17.29 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.

MMFRS loads based on trusses located at least 17.29 ft. from roof edge.



PLT TYP. Wave

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

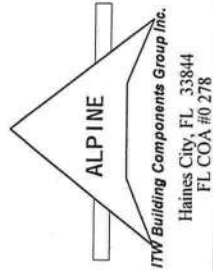
TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .3125"/Ft.
TC DL	10.0 PSF	REF	R9114- 81768
BC DL	10.0 PSF	DATE	01/22/13
BC LL	0.0 PSF	DRW	HCUSR9114 13022139
TOT.LD.	40.0 PSF	HC-ENG	WHK/WHK
DUR.FAC.	1.25	SEQN-	97157
SPACING	24.0"	FROM	SDY
		JREF-	1UT39114Z04



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 WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing for all trusses. Top chord shall have a 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 any other applicable standards. Details, unless noted otherwise, shall be in accordance with the ITWBCG standard details. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page indicating this design. 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. ITWBCG: www.itwbcg.com; TPI: www.tpiinc.org; WCA: www.alcindustry.com; ICC: www.iccsafe.org



(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - CJ3)

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

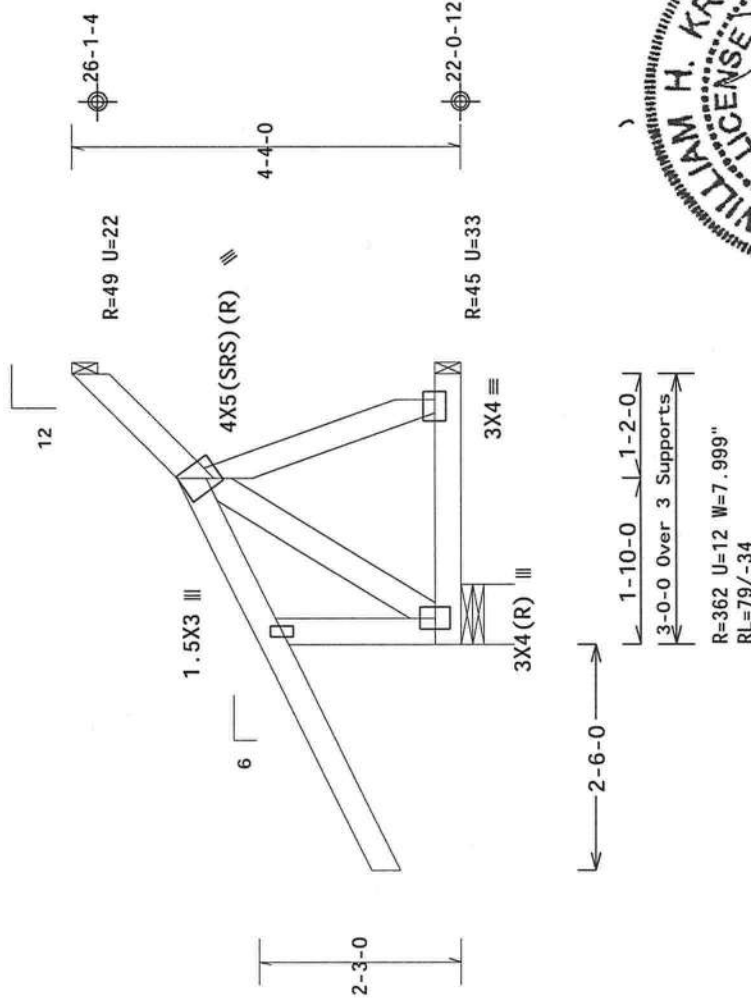
120 mph wind, 24.73 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18

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 = .5"/Ft.

TC LL	20.0 PSF	REF	R9114- 81772
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022143
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97161
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

WILLIAM H. KRICK
LICENSE No. 70861
10.03.11.0209.19
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 WIGA) 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 cover page is required for the truss to be used. The seal is the responsibility of 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.tpiinst.org; WTCA: www.wtcaindustry.com; ICC: www.iccsafe.org

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, ** - C3JA)

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

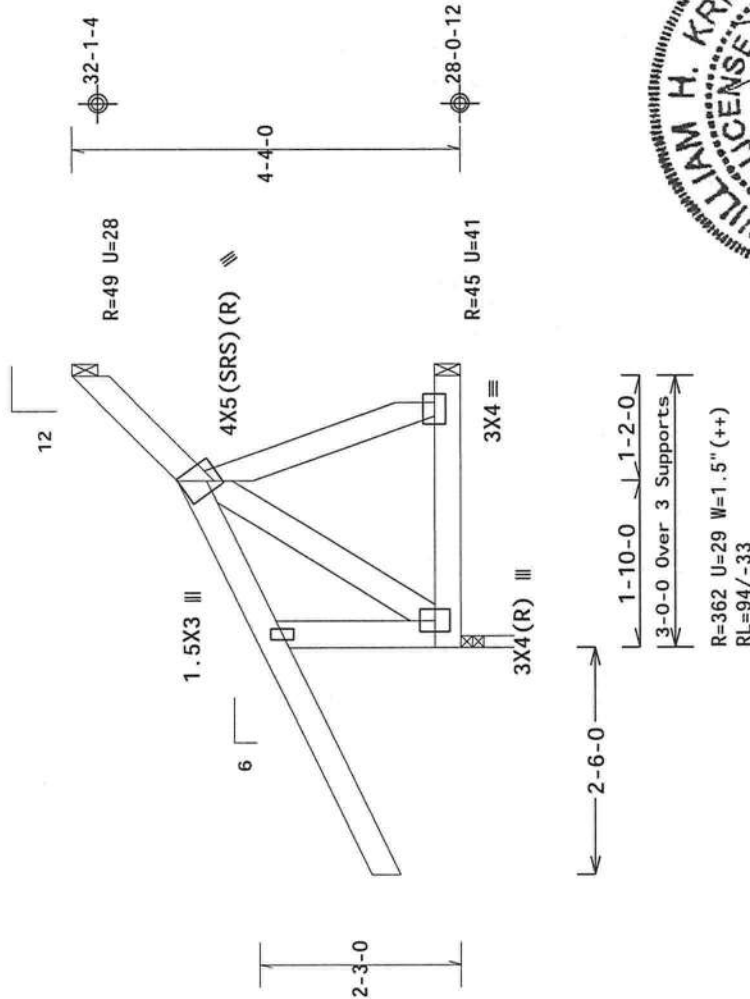
120 mph wind, 30.73 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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.



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

PLT TYP. Wave

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R9114- 81773
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCSR9114 13022144
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97162
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

IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Safety Institute) for proper bracing and installation. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
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 is required for the design engineer's signature. 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; WTA; www.alcnafe.org
100; www.alcnafe.org

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor , ** - CJ3B)

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

120 mph wind, 29.35 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

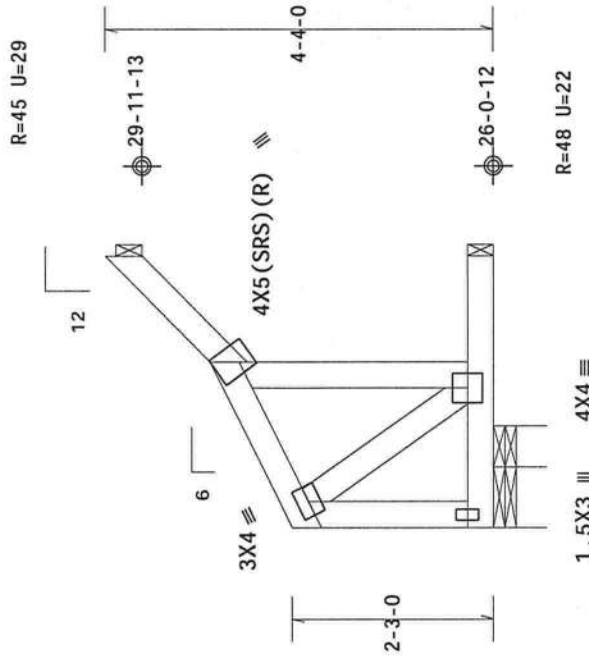
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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.

Shim all supports to solid bearing.



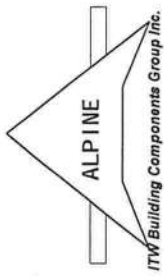
1-10-0 1-2-0
3-0-0 Over 4 Supports

R=39 Rw=93 U=8 W=8"
RL=55 R=124 U=62 W=5.5"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(ST9)
FT/RT=20%(0%)/10(0)

Scale = .5" / Ft.

 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.		No. 70861 10.03.11.0209.19		FL/-/5/-/-/R/-		Scale = .5" / Ft.	
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		STATE OF FLORIDA		TC LL		20.0 PSF	
	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 name of the professional engineer and the signature of the professional engineer is required for the truss to be used. 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.sbcindustry.com; ICC: www.iccsafe.org		PROFESSIONAL ENGINEER		TC DL		10.0 PSF	
			01/22/2013		BC DL		10.0 PSF	
					BC LL		0.0 PSF	
					TOT. LD.		40.0 PSF	
					DUR. FAC.		1.25	
					SPACING		24.0"	
					SEQN -		97163	
					FROM		SDY	
					JREF -		1UT39114Z04	

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

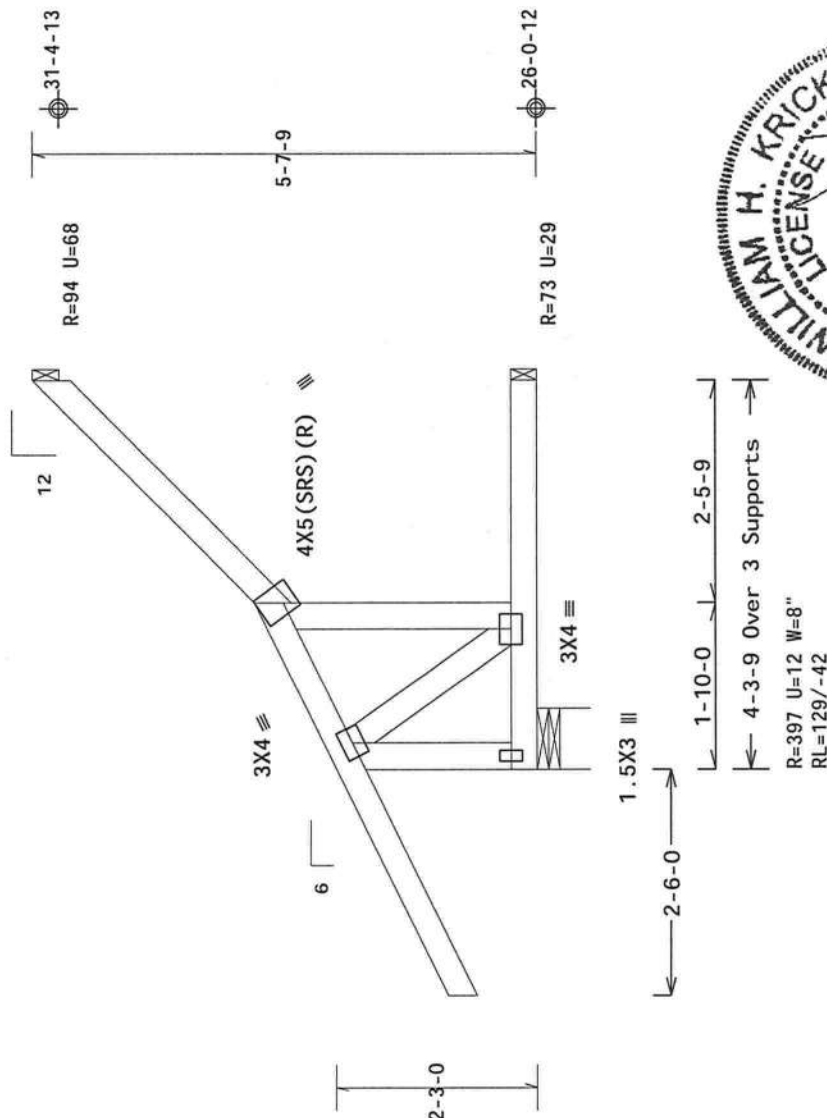
1120 mph wind, 29.38 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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.



Design Crit: FBC2010Res/TPI-2007(ST13)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

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.

****IMPORTANT****

Tennesses require extreme care in fabricating, handling, shipping, installing and bracing. Read and follow the latest edition of BESI (Building Component Safety Information, by TPI and WIGA) for bracing practices prior to performing these functions. Installers shall provide temporary bracing per the instructions noted on drawings, and shall follow the locations shown for permanent bracing or bracing installed per BESI sections B3, B7 or B10, as applicable.

THE Building Components Group Inc. (TBCG) shall not be responsible for any deviation from this design. The design is intended for use with the TBCG 160A-Z and 160A-2T installation and shall be used in accordance with the details, dimensions, materials and finish specified on the drawings. Details, unless noted otherwise. Refer to drawings 160A-Z 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 Building Designer per ANSI/ASCE 1 Sec. 2. For more information see: TBCG General notes page: TB-B00; www.tbcof.com; TPI: www.tpinet.com; WFO: www.sdcindustries.com.

STATE OF FLORIDA
PROFESSIONAL ENGINEER
License No. 12569
01/22/2013

FL/-/5/-/-/R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R9114- 81775
TC DL	10.0 PSF	DATE 01/22/13
BC DL	10.0 PSF	DRW HCUSR9114 13022146
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 97164
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - CJ5)

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

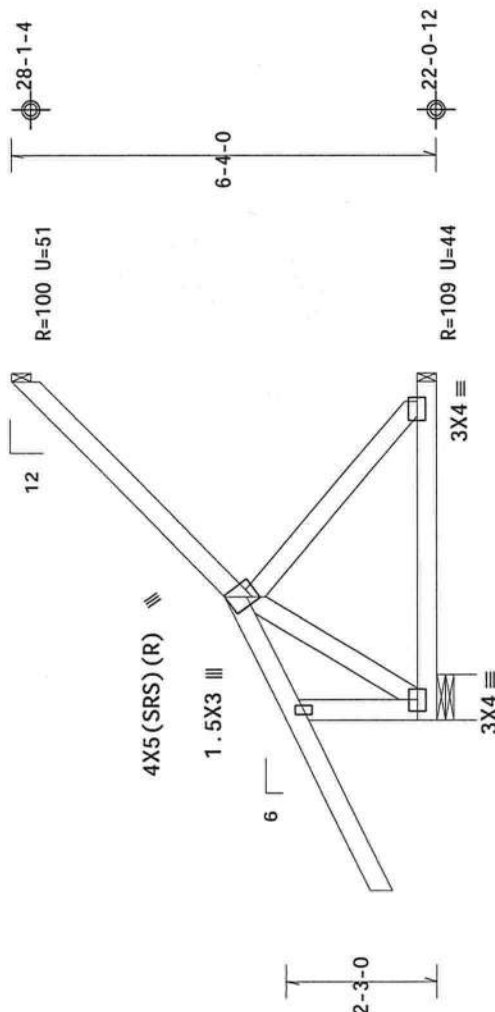
1120 mph wind, 25.73 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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.



← 2-6-0 →

1-10-01 3-2-0

<5-0-0 Over 3 Supports

R=421 I=12 W=8"

RL=132/-48

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

PLT TYP. Wave

design office. 1200 Stokes/111-2007 (3)
FT/RT=20%(0%)/10(0)

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

IMPORTANT

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

[illegible]

TW Building Components Group Inc. (TWBCG) shall be responsible for any deviation from this drawing or specification without written approval by TWBCG. The manufacturer shall install all fasteners per ANSI/TPI standards unless otherwise noted. 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 Sec.2. For more information see: This Job's General notes page; TW-BGC; www.telcel.com; TW-CI; www.primatc.com; TW-CC; www.sbs-industries.com;

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

01/22/2013

1 FL/-/5/-/-/R/-	Scale = .375"/Ft.	
TC LL	20.0 PSF	REF R9114- 81776
TC DL	10.0 PSF	DATE 01/22/13
BC DL	10.0 PSF	DRW HCUSR9114 13022147
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 97165
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, 30.35 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

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

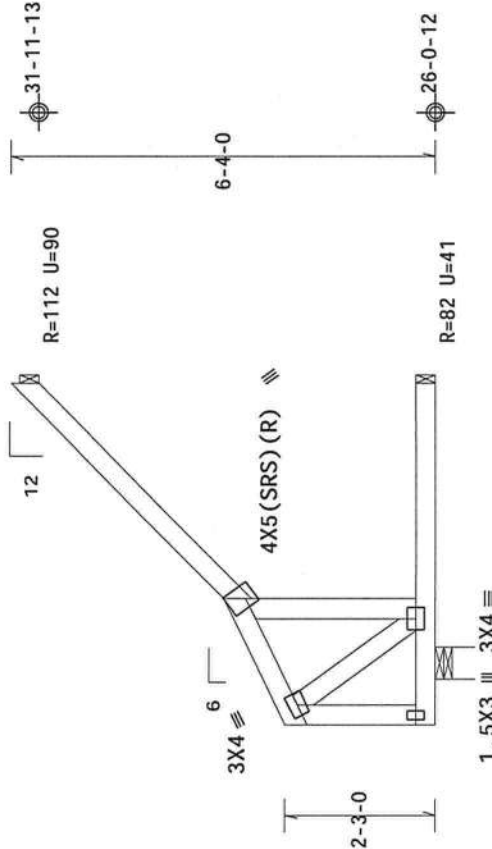
Wind loads and reactions based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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.



Q-8-0
1-10-0 3-2-0
<5-0-0 Over 3 Supports >
R=258 U=0 W=5.5"
RL=115/-22

PLT TYP. Wave

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R9114- 81777
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCSR9114 13022148
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	97166
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. 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 and bracing details as shown on this drawing. Trusses shall be installed in accordance with the requirements of the BCSI rules and practices. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/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 responsibility of the Building Designer per ANSI/TPI 1, Sec. 2, for the design and construction of 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-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

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 , ** - C.J6)

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.

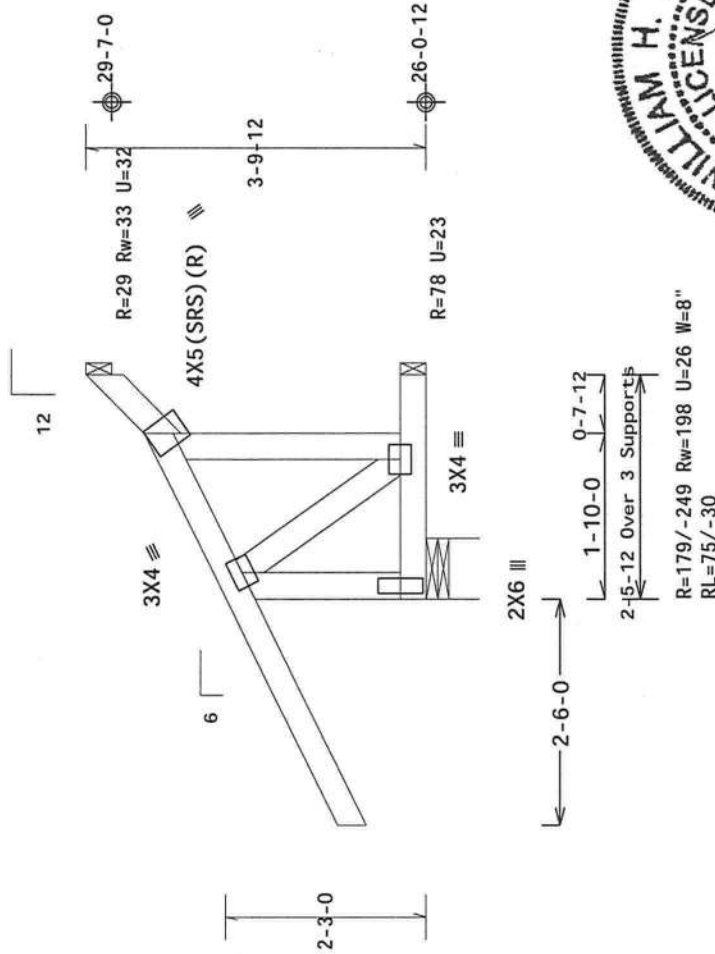
Bottom chord checked for 10.00 psf non-concurrent live load.

Negative reaction(s) of -248# MAX. (See below) from a non-wind load case requires uplift connection.

120 mph wind, 28.47 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.



PLT TYP. Wave

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R9114- 81778
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022149
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97167
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 a properly attached rigid ceiling. Locations shown for permanent lateral restraint only. 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. 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

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, ** - CJ7)

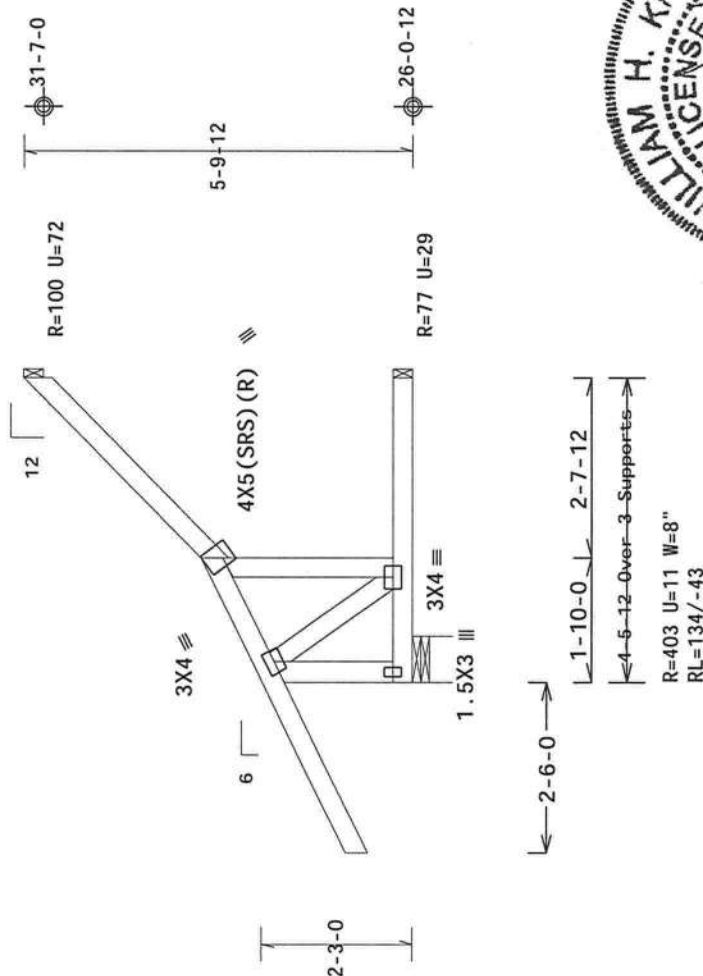
120 mph wind, 29.47 ft mean hgt., ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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.



PLT TYP. Wave

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

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R9114-	81779
TC DL	10.0	PSF	DATE	01/22/13	
BC DL	10.0	PSF	DRW	HCUSR9114	13022150
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	97168	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1UT39114Z04	

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

WARNING-- READ AND FOLLOW ALL NOTES ON THIS SHEET
URNISH 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 instructions pertaining to performing these functions. Installers shall provide temporary bracing poles and bracing cables in the same manner as shown in the drawings. Trusses 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. (**IBCG**) shall be responsible for any deviation from this drawing or specification due to manufacturing process or material failure to build the truss in conformance with ANSI/TPI 1-01 for handling, shipping, installation, erecting or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail. 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: www.ibcgroup.com; ibcg@ibcgroup.com; www.tlrcorp.com; www.trussteel.com; www.trussteel.com.

ALPINE

TW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

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

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

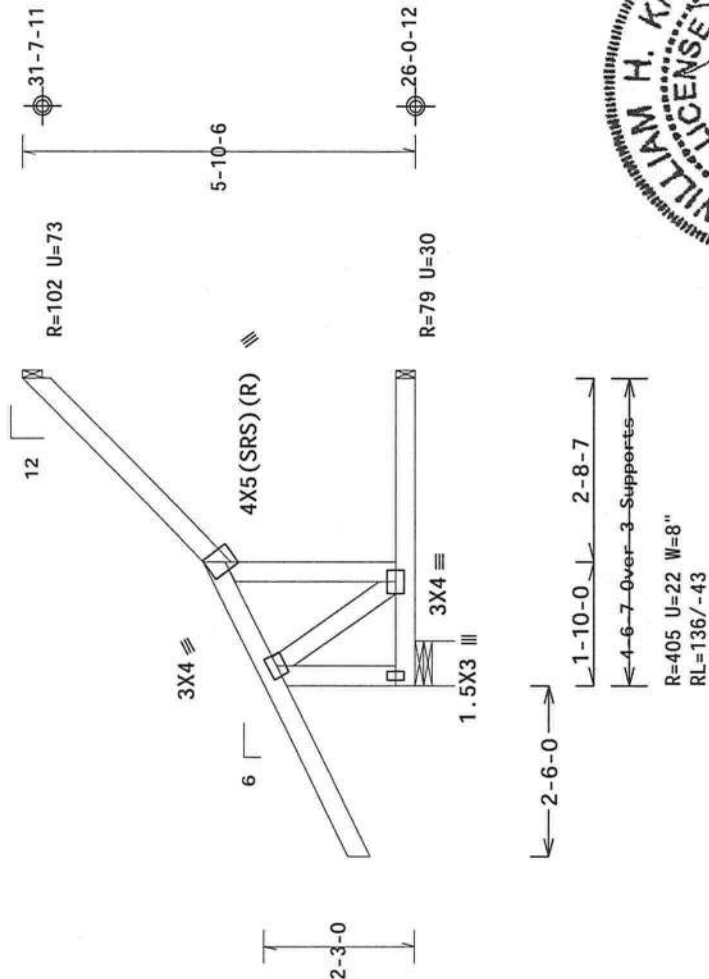
120 mph wind, 29.50 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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(O)

Scale = .375"/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 details and instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI instructions. Trusses shall be properly braced and secured to prevent movement during installation. Trusses shall have a properly attached rigid coating. 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-Z 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. This seal and use of this design for any structure is the responsibility of the user. ITWBCG does not warrant the design shown. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WTCA: www.wtcaindustry.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- 81780
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022151
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	97169
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - CJ10)

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

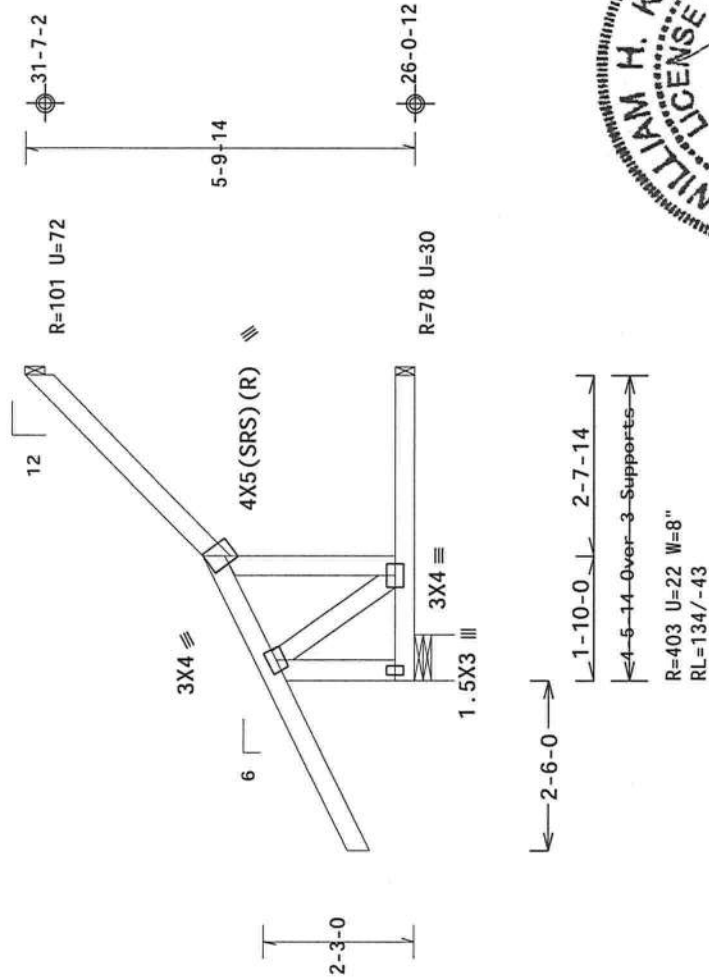
120 mph wind, 29.47 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

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.



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

PLT TYP. Wave	REF R9114- 81782
ALPINE	DATE 01/22/13
ITW Building Components Group Inc.	DRW HCUSR9114 13022153
Haines City, FL 33844	HC-ENG WHK/WHK
FL COA #0 278	SEQN- 97171
	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 the latest edition of BCSI (Building Component Safety Information, by TPI and WTGA) for details on proper installation and bracing. Trusses shall be installed in accordance with the instructions provided on the truss design sheet. 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 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, 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. This design shall be used only for the structure indicated on the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net; WTGA: www.alcindustry.com; ICC: www.iccsafe.org

(120912RX--Anderson Truss Co. Patel Residence -- Lot 1 Hills Of Windsor, ** - CJ11)

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.

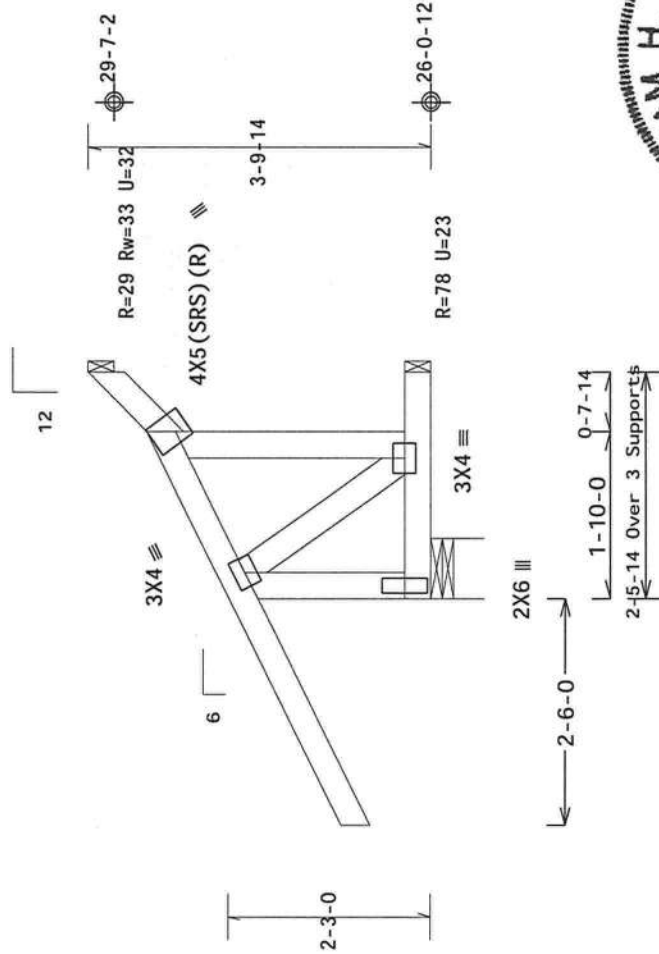
Bottom chord checked for 10.00 psf non-concurrent live load.

Negative reaction(s) of -248# MAX. (See below) from a non-wind load case requires uplift connection.

120 mph wind, 28.47 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.



PLT TYP. Wave

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R9114- 81783
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCUSR9114 13022154
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97172
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04

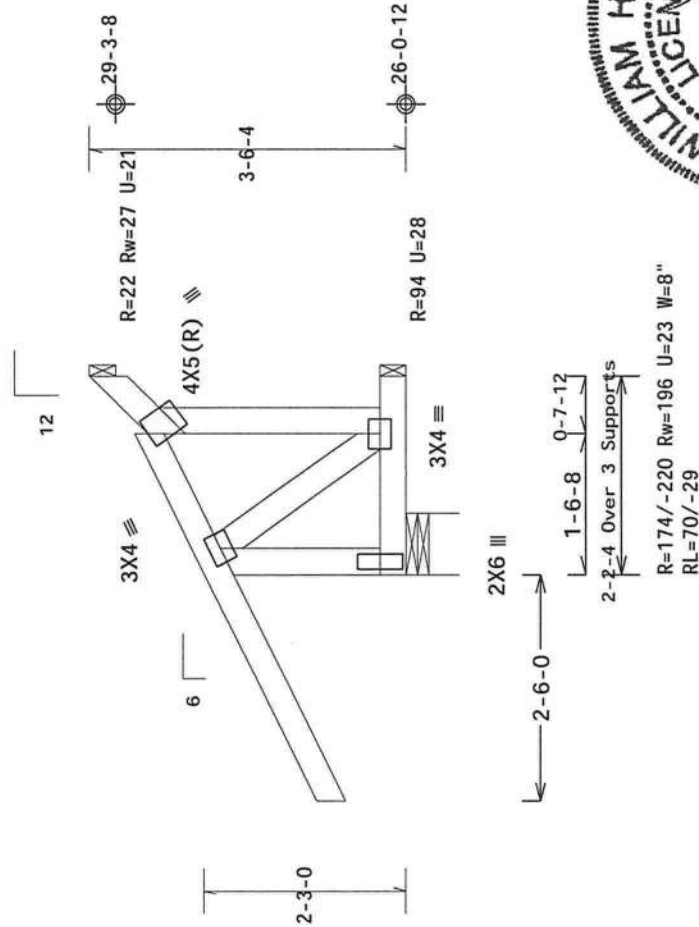


****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WIGA) 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 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 building. 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 ITW-BCSI: www.itwbcg.com, TPI: www.tpiinc.org, WIGA: www.alocnafe.org
ICC: www.iccneta.org

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

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.



Scale = .5"/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.**

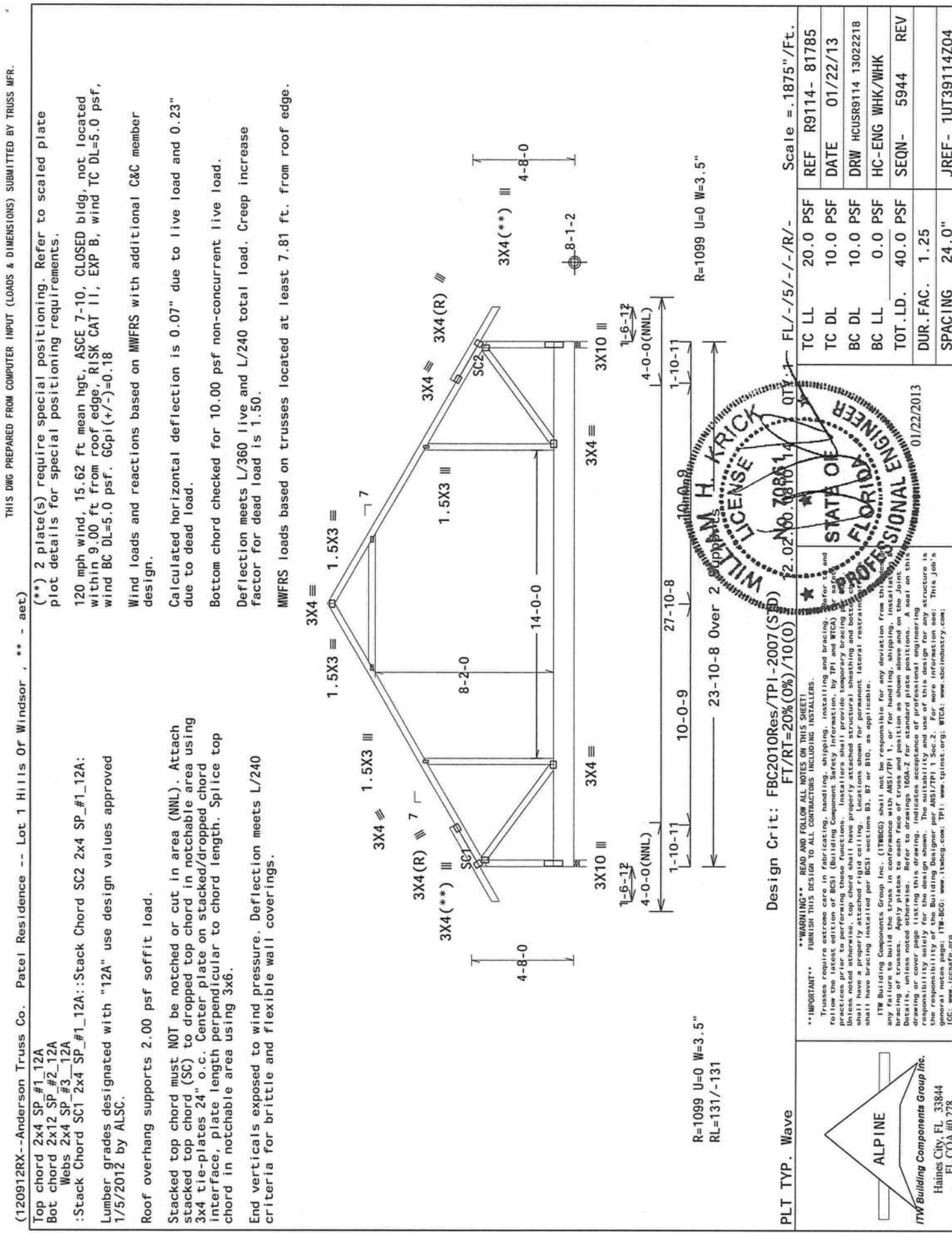
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Read and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for details on proper handling, shipping, installation and bracing. Trusses are not to be used for anything other than their intended purpose. 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. (ITWBGS) 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-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering services by the undersigned. The undersigned hereby certifies that he/she is duly licensed and assumes the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BGS: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org



01/22/2013

TC LL	20.0 PSF	REF	R9114- 81784
TC DL	10.0 PSF	DATE	01/22/13
BC DL	10.0 PSF	DRW	HCU89114 13022155
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	97173
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1UT39114Z04



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

Top chord 2x4 SP #1_12A
Bot chord 2x12 SP #2_12A
Webs 2x4 SP #3_12A

:Stack Chord SC1 2x4 SP #1_12A::Stack Chord SC2 2x4 SP #1_12A:

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

Roof overhang supports 2.00 psf soffit load.

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

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

120 mph wind, 15.62 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.

Calculated horizontal deflection is 0.07" due to live load and 0.23" due to dead load.

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

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

MWFRS loads based on trusses located at least 7.81 ft. from roof edge.

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

PLT TYP. Wave

R=1099 U=0 W=3.5"
RL=131/-131

Scale = .1875"/Ft.

REF R9114- 81785
DATE 01/22/13
DRW HCUSR9114 13022218
HC-ENG WHK/WHK
SEQN- 5944 REV
DUR.FAC. 1.25
SPACING 24.0"

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

WILLIAM H. KRICK
FLORIDA PROFESSIONAL ENGINEER
LICENSE
No. 70851
Exp. 01/22/2013
Seal No. 70851

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 WTGA) for safety practices prior to performing these functions. Installers shall provide temporary bracing and blocking and adequately brace the top chord and bottom chord of the truss. The truss shall be braced and blocked in accordance with the manufacturer's instructions. The truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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 responsibility solely 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 the use of this design for any structure. General notes apply. ITWBCG: www.itwbcg.com; TPI: www.tpi.net.org; WTGA: www.wtga.org; ICC: www.iccsafe.org

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

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

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

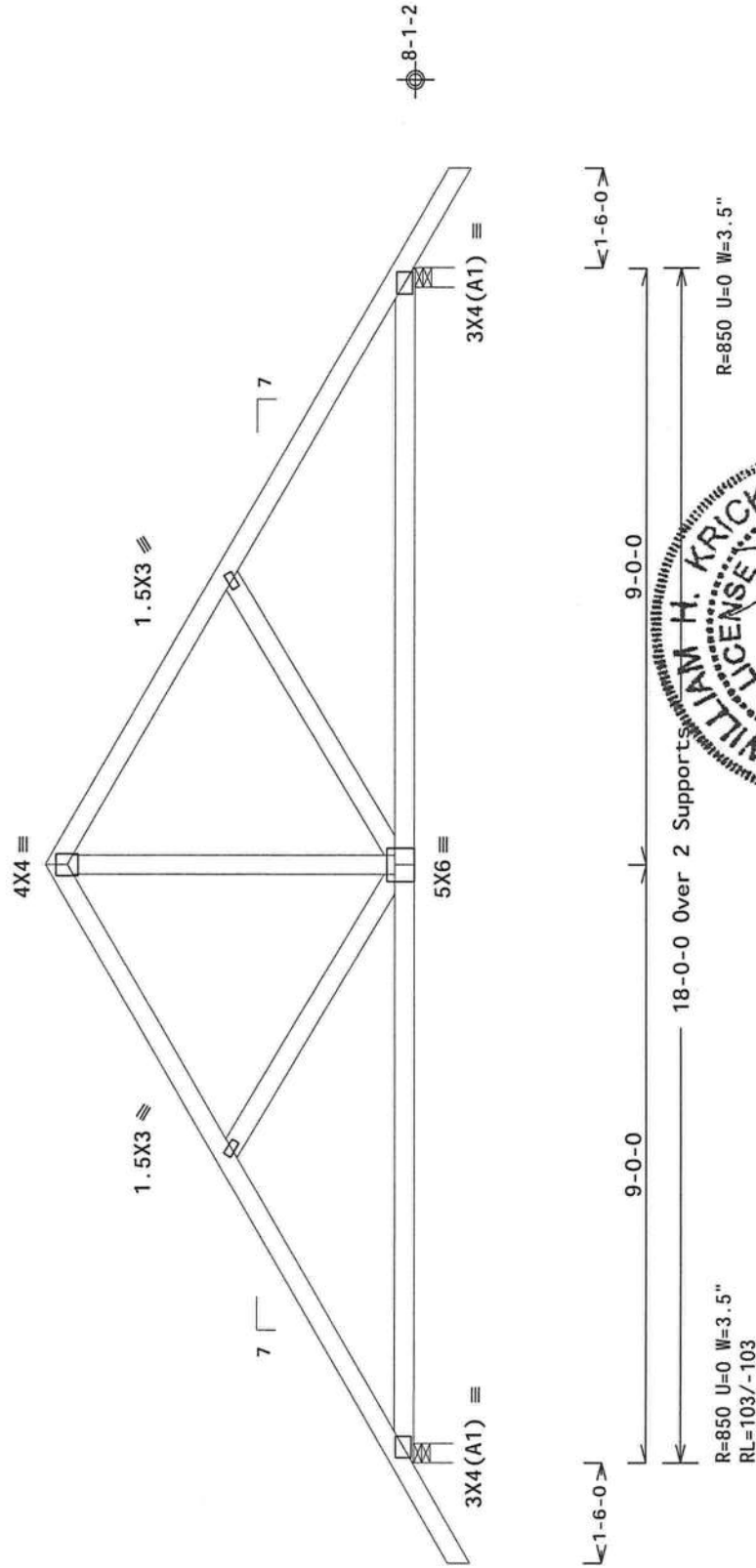
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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

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

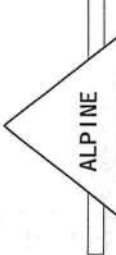
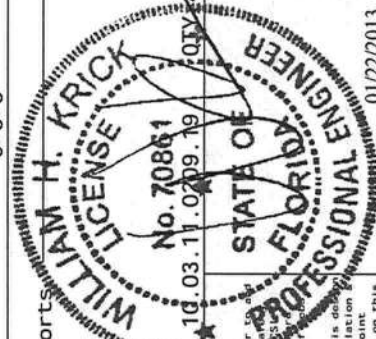
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



PLT TYP. Wave

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

Scale = .375"/Ft.

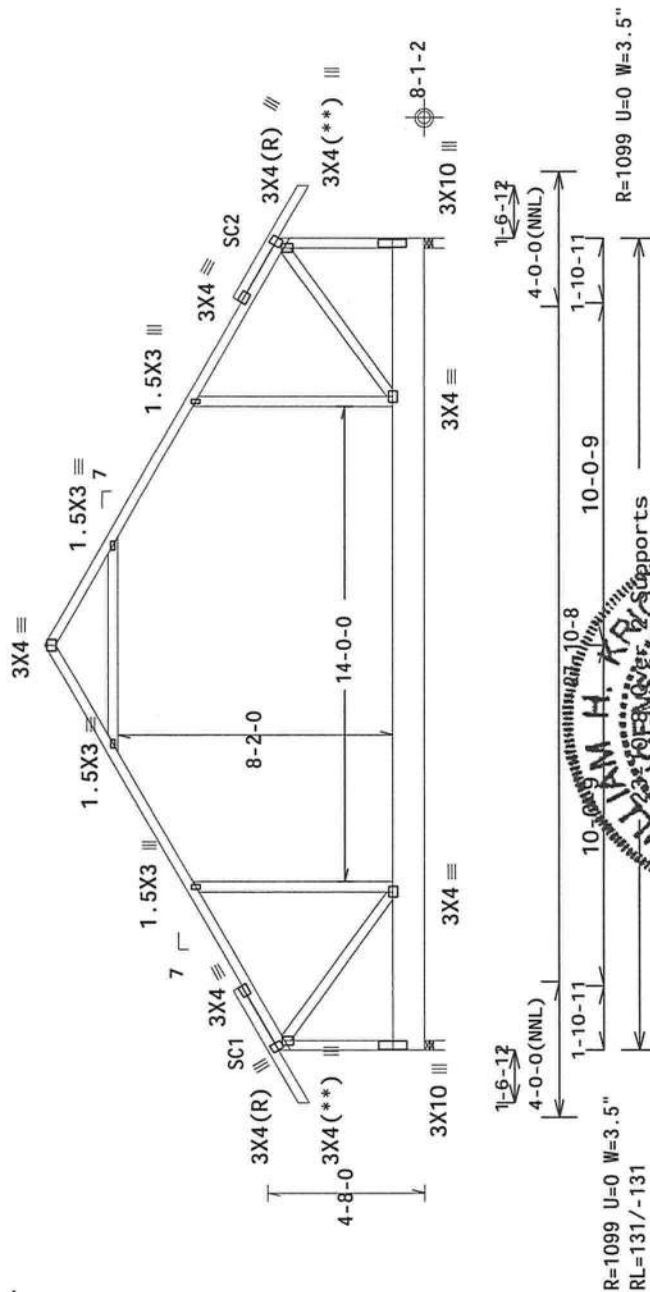
 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for details of truss erection and bracing. Unless noted otherwise, top chord shall have property 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 for any damage to building or contents in connection with handling, shipping, installation or erection of trusses. 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 1 Sec. 2. For more information see: This Job's General Notes page. ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WTC: www.alcindustry.com; ICC: www.iccsafe.org			
	TC LL	20.0 PSF	REF	R9114- 81786
	TC DL	10.0 PSF	DATE	01/22/13
	BC DL	10.0 PSF	DRW	HCUSR9114 13022156
	BC LL	0.0 PSF	HC-ENG	WHK/WHK
	TOT.LD.	40.0 PSF	SEQN-	47021
	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	1UT39114Z04

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

Top chord 2x4 SP_#1_12A
Bot chord 2x12 SP_#2_12A
Webs 2x4 SP_#3_12A
:Stack Chord SC1 2x4 SP_#1_12A: :Stack Chord SC2 2x4 SP_#1_12A:
Lumber grades designated with "12A" use design values approved
1/5/2012 by ALSC.

Roof overhang supports 2.00 psf soffit load.
Stacked top chord must NOT be notched or cut in area (NNL). Attach
stacked top chord (SC) to dropped top chord in noticable area using
3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord
interface, plate length perpendicular to chord length. Splice top
chord in noticable area using 3x6.
MWFRS loads based on trusses located at least 15.62 ft. from roof
edge.
End verticals exposed to wind pressure. Deflection meets L/240
criteria for brittle and flexible wall coverings.

(**) 2 plate(s) require special positioning. Refer to scaled plate
plot details for special positioning requirements.
120 mph wind, 15.62 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.
Calculated horizontal deflection is 0.07" due to live load and 0.23"
due to dead load.
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(STB) FT/RT=20%(0%)/10(0)		Scale = .1875"/Ft.	
	TC LL 20.0 PSF		REF	R9114- 81787
	TC DL 10.0 PSF		DATE	01/22/13
	BC DL 10.0 PSF		DRW	HCUSR9114 13022166
	BC LL 0.0 PSF		HC-ENG	WHK/WHK
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	TOT.LD. 40.0 PSF		SEQN-	5936 REV
	DUR.FAC. 1.25			
	SPACING 24.0"		JREF- 1UT39114Z04	

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

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

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

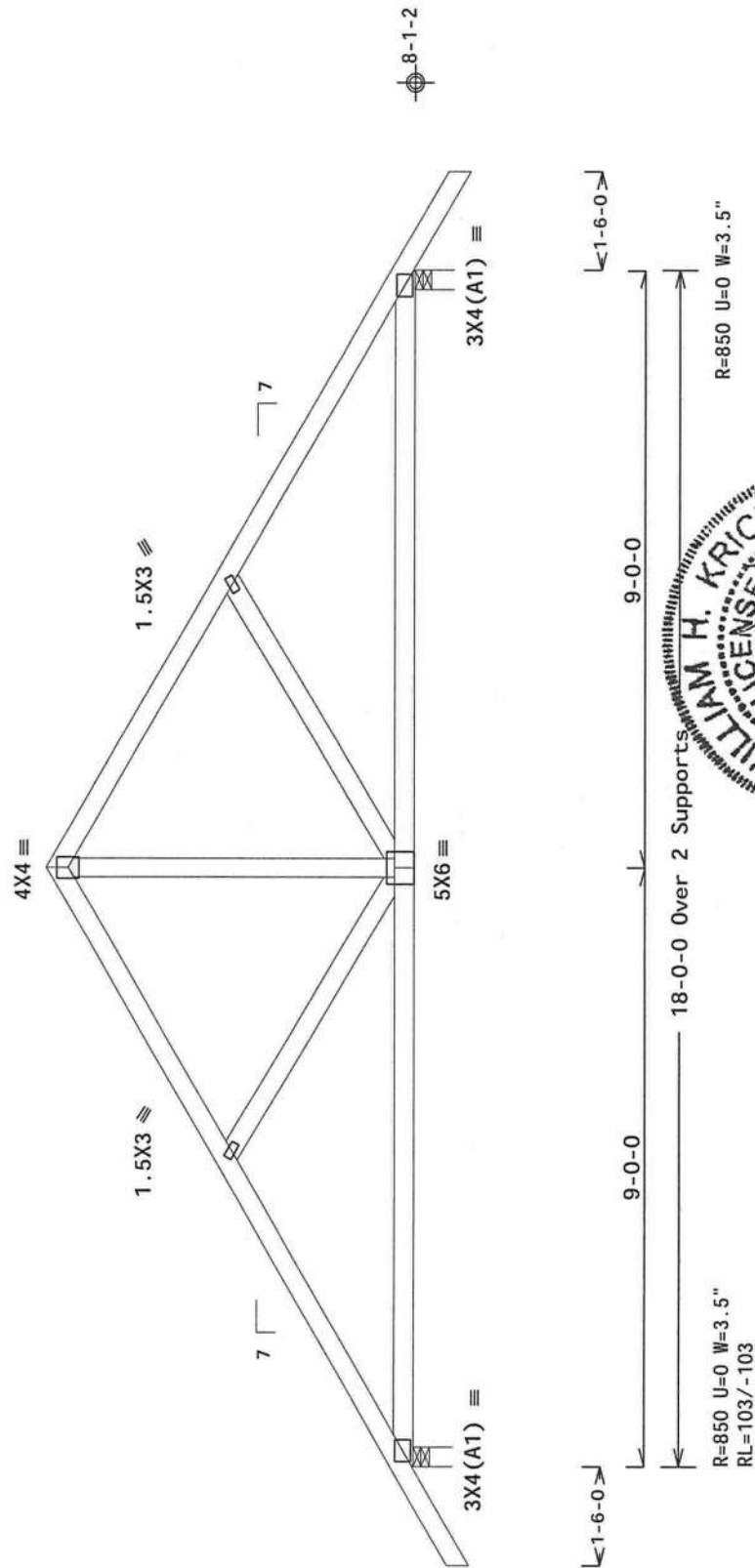
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

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

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 30.00 ft. from roof edge.



PLT TYP.: Wave

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

Scale = 375"/Ft.

ALPINE

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by TPI and WTCA) and the manufacturer's instructions for proper installation and bracing. The trusses are designed to be installed as shown. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining shall have 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 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 design, indicates acceptance of professional engineering responsibility solely for the design shown. The liability and use of this design for any structure is the responsibility of the user. This liability cannot be transferred. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net; WTCA: www.abcdindustry.com; www.1ccsafety.org

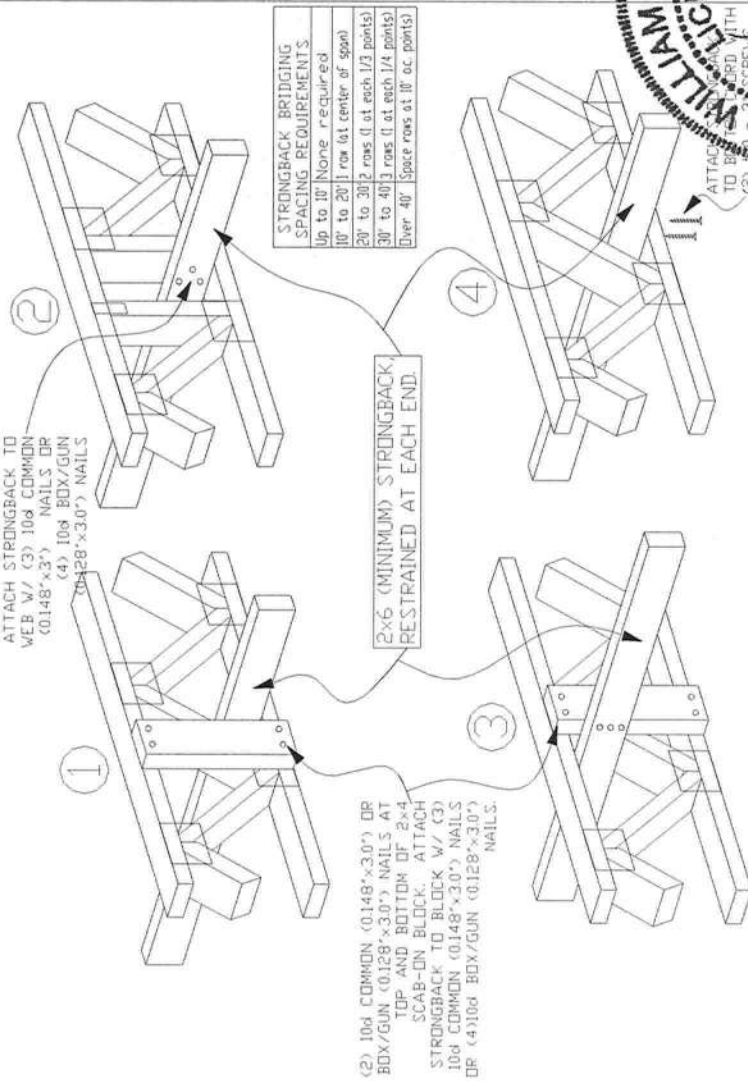
01/22/2013

TC LL	20.0	PSF	REF	R9114- 81788
TC DL	10.0	PSF	DATE	01/22/13
BC DL	10.0	PSF	DRW	HCUSR9114 13022157
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0	PSF	SEQN-	47031
DUR. FAC.	1.25			
SPACING	24.0"		JREF-	1UT39114Z04

Diagram illustrating the lap splice for a 6" D.C. column using 4" x 6" SCB members. The splice is secured with a 0.128" x 3.0" nail. The members are butted strongback together. The splice length is 4' and the diameter of the column is 6' D.C. The splice is shown in the middle of the column, with the members overlapping.

NOTE: IN LIEU OF SPLICING AS SHOWN, LAP STRONGBACK BRIDGING MEMBERS FOR AT LEAST ONE TRUSS SPACING

NOTE: Details 1 and 2 are the preferred attachment methods



★ **PROTECT**

••WARNING•• READ AND FOLD ALL NOTES ON THIS SHEET

Following these instructions carefully for fabricating, handling, fitting, installing and bracing. Refer to and follow the Building Designer's specifications for all details. The Building Designer's specifications take precedence over all other specifications. The Building Designer's specifications shall prevail in the event of a conflict.

••IMPORTANT•• TURKISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR

ITM Building Components Group Inc. (ITMBG) shall not be responsible for any deviation from the design, any failure to build the trusses in conformance with TPI, or fabricating, handling, shipping, installing and/or bracing of trusses. ITMBG connector plates are made of 2018/1850 (H/V/M/S) ASTM A653M Grade 37/40/460 kN/M/H/S) galv steel. Apply plates to each face of truss; positioned as shown above and on Joist Details.

••NOTES•• The trusses and/or cover plate indicates acceptance and professional engineering responsibility solely for the trusses component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

••BUILDING: waikatoeq.com, TPI: www.tpiinc.com, ITMCA: www.itmcomponents.com, ICC: www.iccsafe.org

Jan 22 '13

01/22/2013

TC LL	PSF	REF	STRONGBACK
TC DL	PSF	DATE	2/28/11
BC DL	PSF	DRWG	STRBTR0211
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			

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

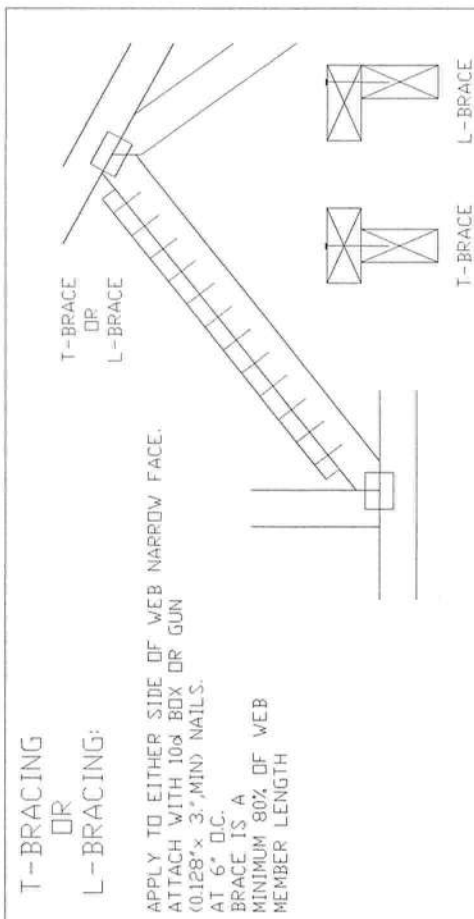
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED
SCAB BRACING SHOWN ON SINGLE PLY SCALED DESIGNS TO T-BRACING OR SCAB
BRACING.

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

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

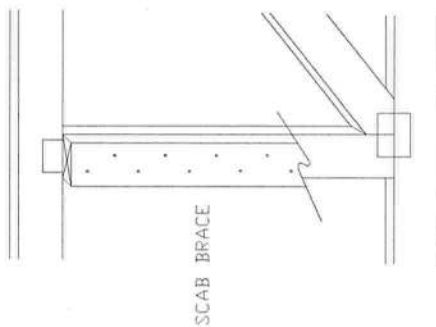
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
60128"x 3" MIN) NAILS.
AT 6" O.C.
BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



VOLUME • DEAD END • LIVE • MURDER • CATASTROPHIC

[illegible]

and on Joint B (left). Apply plate to each face of truss, positioned as shown above and below the vertical gusset.

TC LL	PSF	REF	CLB SUBST.

TC DL	PSF	DATE	1/1/09
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BC DI	PSF	DEWG	BRCI BSIJB0109
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BC 11

————— p25

ותמונה רחבה

DUR. FAC.

SPACING

01/22/2013

Jan 22 '13

ASCE 7-10: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, $K_{zt} = 1.00$

Dr: 100 Mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

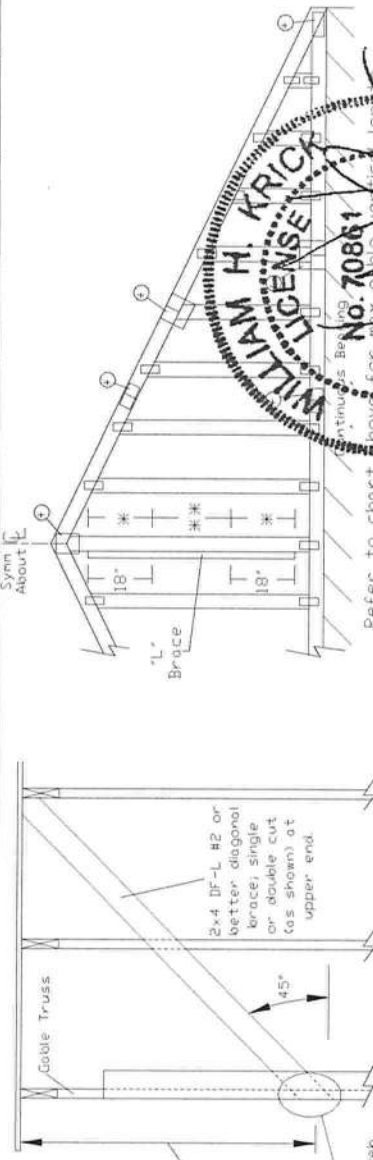
Dir: 100 mph Wind Speed, 30' Mean Height, Exposure D, Kzt = 1.00

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

Diagonal brace option:
vertical length may be
doubled when diagonal
brace is used. Connect
diagonal brace for 385
at each end. Max web
total length is 14.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



Refer to

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of EBSI Building Component Safety Information, by IPI and WCA for practices prior to performing these functions. Installers shall provide temporary bracing per the press noted otherwise; top chord shall have properly attached structural sheathing and bottom chord shall have gable end bracing. Locations shown for permanent lateral restraint of webs shall be used as a guide for attaching EBSI Truss Bracing. As applicable, apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings JS60-2 for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. A seal on this drawing or cover page listing this drawing's acceptance of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structural responsibility is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:

ITW Building Components, TPI

Earth City, MO 63045

Jan 22 '13

01/22/2013

MAX. TPT. 1 D 60 PSE

MAX. SPACING 24.0"

REF ASCE7-10-GABI2030

DATE 2/14/12

DBWG A12030ENC100212

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

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	2X4
Greater than 11' 6"	2X4

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

Gable Truss Detail Notes:

Wind Load deflection criterion is $L/240$.

Provide uplift connections for 70 plf over continuous bearing (5 psf TC Dead Load).

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

So, Pine Lumber design values based on

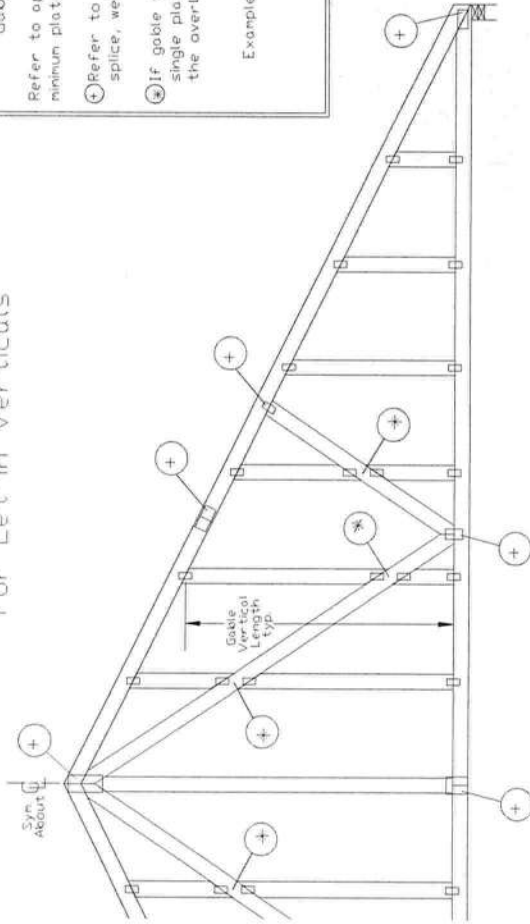
Attach "L" braces with 10d (0.128"x3.0" min) nails.

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

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

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

Gable Detail For Let-in Verticals

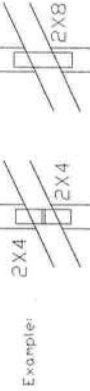


Gable Truss Plate Sizes

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

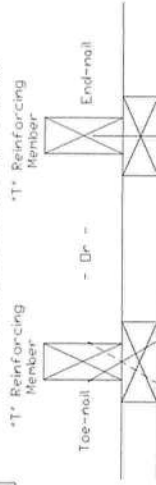
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

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



Example:

T* Reinforcement Attachment Detail



To convert from 'L' to 'T*' reinforcing members, multiply 'T*' increase by length (based on appropriate ITW gable detail).

Maximum allowable 'T*' reinforced gable vertical length is 14' from top to bottom chord.

'T*' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T*' Brace

'T*' Reinf. Mbr. Size	'T*' Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 100

Gable Vertical = 24' o.c. SP #3

'T*' Reinforcing Member Size = 2x4

'T*' Brace Increase (From Above) = 30% = 1.30

⊙ 2x4 'L' Brace Length = 8' 7"

Maximum 'T*' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T*' reinforcing member with

End Driven Nails:

10d Common (0.148" x 3.1" min) Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148" x 3.1" min) Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

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

wind load.

ASCE 7-98 Gable Detail Drawings

AI3015980109, AI2015980109, AI1015980109, AI0015980109,

AI3030980109, AI2030980109, AI1030980109, AI0030980109

ASCE 7-02 Gable Detail Drawings

AI3015020109, AI2015020109, AI1015020109, AI0015020109,

AI3030020109, AI2030020109, AI1030020109, AI0030020109

ASCE 7-05 Gable Detail Drawings

AI3015050109, AI2015050109, AI1015050109, AI0015050109,

AI3030050109, AI2030050109, AI1030050109, AI0030050109

ASCE 7-10 Gable Detail Drawings

AI1515ENC100212, AI2015ENC100212, AI4015ENC100212,

AI8015ENC100212, AI20015ENC100212, AI20015ENC100212,

AI1530ENC100212, AI2030ENC100212, AI4030ENC100212,

AI8030ENC100212, AI20030ENC100212, AI40030ENC100212,

AI80030ENC100212, AI20030ENC100212, AI40030ENC100212

See appropriate ITW gable detail for minimum reinforcing member length.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to all follow the latest edition of BCI (Building Component Safety Information, by TPI and VITA) for safety and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of this drawing for use in construction. Unless noted otherwise, top chord shall have properly attached structural sheathing. The bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or webs shall have bracing installed per BCI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160N-2 for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of this drawing for use in construction. Unless noted otherwise, top chord shall have properly attached structural sheathing. The bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or webs shall have bracing installed per BCI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160N-2 for standard plate positions.



Building Components Group Inc.

Earth City, MO 63045

REF LET-IN VERT

DATE 2/16/12

DRWG GBLLETIN0212

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

01/22/2013

Jan 22 '13



