

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 3 of 3 Document ID: IUS59114Z0519164141



Truss Fabricator: **Anderson Truss Company**
Job Identification: **120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills**
Truss Count: **302**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Version 10.03.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of**
Address: **the seal date per section 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

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: STRBRIBR-CNSY42PL-BRCLBSUB-PB16010-12030EC1-GBLLETIN-GABRST10-

#	Ref	Description	Drawing#	Date
229	87205--R120		12354120	12/19/12
230	87206--R121		12354121	12/19/12
231	87207--R122		12354122	12/19/12
232	87208--PB1		12354123	12/19/12
233	87209--PB2		12354124	12/19/12
234	87210--PB3		12354125	12/19/12
235	87211--PB4		12354147	12/19/12
236	87212--PB5		12354148	12/19/12
237	87213--PB6		12354089	12/19/12
238	87214--PB7		12354090	12/19/12
239	87215--PB8		12354091	12/19/12
240	87216--PB9		12354092	12/19/12
241	87217--PB10 2-PLY		12354093	12/19/12
242	87218--PB11		12354094	12/19/12
243	87219--PB12		12354095	12/19/12
244	87220--PB13		12354096	12/19/12
245	87221--PB14		12354097	12/19/12
246	87222--PB15		12354098	12/19/12
247	87223--PB16		12354099	12/19/12
248	87224--PB17		12354100	12/19/12
249	87225--PB18		12354239	12/19/12
250	87226--PB19		12354149	12/19/12
251	87227--PB20		12354150	12/19/12
252	87228--PB21		12354151	12/19/12
253	87229--PB22		12354152	12/19/12
254	87230--PB23		12354153	12/19/12
255	87231--PB24		12354154	12/19/12
256	87232--PB25		12354155	12/19/12
257	87233--PB26		12354156	12/19/12
258	87234--PB27 2-PLY		12354240	12/19/12
259	87235--PB28		12354241	12/19/12
260	87236--PB29		12354242	12/19/12
261	87237--PB30		12354243	12/19/12
262	87238--PB31		12354244	12/19/12
263	87239--PB32		12354245	12/19/12
264	87240--PB33		12354246	12/19/12
265	87241--PB34		12354247	12/19/12
266	87242--HJ1		12354157	12/19/12

#	Ref	Description	Drawing#	Date
267	87243--HJ2		12354158	12/19/12
268	87244--HJ3		12354159	12/19/12
269	87245--HJ4		12354160	12/19/12
270	87246--HJ5		12354161	12/19/12
271	87247--HJ5A		12354162	12/19/12
272	87248--HJ6		12354163	12/19/12
273	87249--HJ7		12354164	12/19/12
274	87250--HJ8		12354165	12/19/12
275	87251--HJ9		12354166	12/19/12
276	87252--HJ10		12354167	12/19/12
277	87253--HJ11		12354168	12/19/12
278	87254--EJ1		12354169	12/19/12
279	87255--EJ2		12354170	12/19/12
280	87256--EJ3		12354171	12/19/12
281	87257--EJ4		12354172	12/19/12
282	87258--EJ5		12354173	12/19/12
283	87259--EJ6		12354174	12/19/12
284	87260--EJ7		12354144	12/19/12
285	87261--EJ7A		12354145	12/19/12
286	87262--EJ7B		12354146	12/19/12
287	87263--CJ1		12354101	12/19/12
288	87264--CJ1A		12354102	12/19/12
289	87265--CJ2		12354103	12/19/12
290	87266--CJ3		12354104	12/19/12
291	87267--CJ3A		12354105	12/19/12
292	87268--CJ3B		12354106	12/19/12
293	87269--CJ4		12354107	12/19/12
294	87270--CJ5		12354108	12/19/12
295	87271--CJ5A		12354109	12/19/12
296	87272--CJ6		12354110	12/19/12
297	87273--CJ7		12354111	12/19/12
298	87274--CJ8		12354112	12/19/12
299	87275--CJ9		12354113	12/19/12
300	87276--CJ10		12354114	12/19/12
301	87277--CJ11		12354115	12/19/12
302	87278--CJ12		12354116	12/19/12



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

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

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 MMFRS with additional C&C member design.

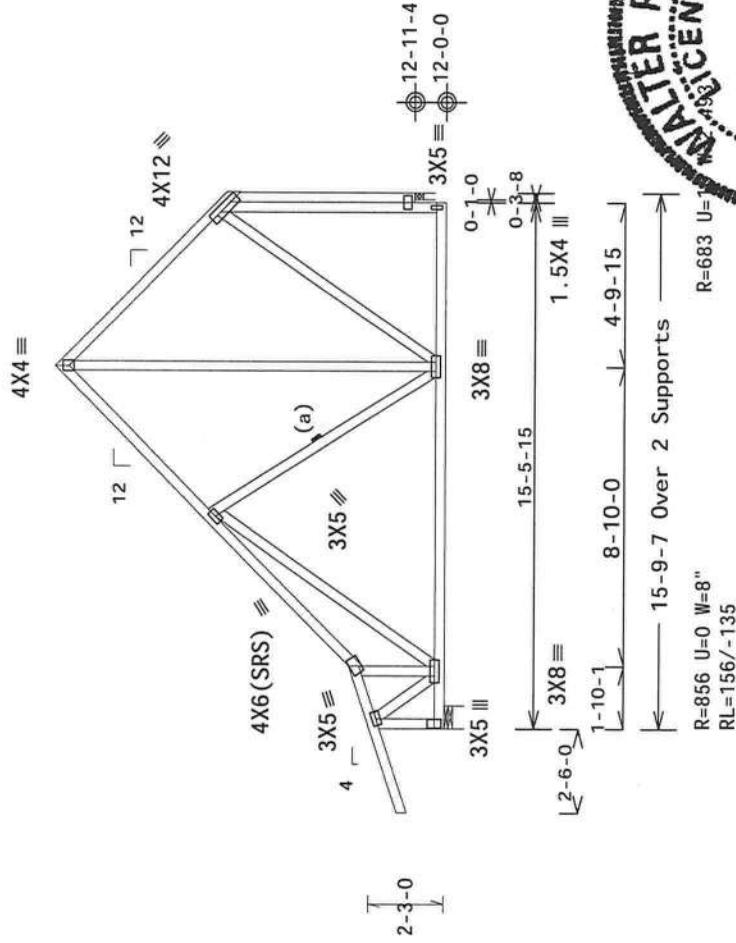
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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.

(a) Continuous lateral bracing equally spaced on member.

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



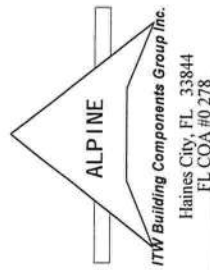
Design Crit: FBC2010Res/TPI-2007(ST)2
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the Building Components Group Inc. (ITWBCG) for detailed instructions. Trusses shall be installed in accordance with the ITWBCG installation manual. Trusses shall be installed on a properly attached rigid coiling. 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. 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 is required for the design. 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



FL/-/5/-/-/R/-		Scale = .1875"/Ft.	
TC LL	20.0 PSF	REF	R9114- 87205
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354120
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285546
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

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

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

Left end vertical not exposed to wind pressure.

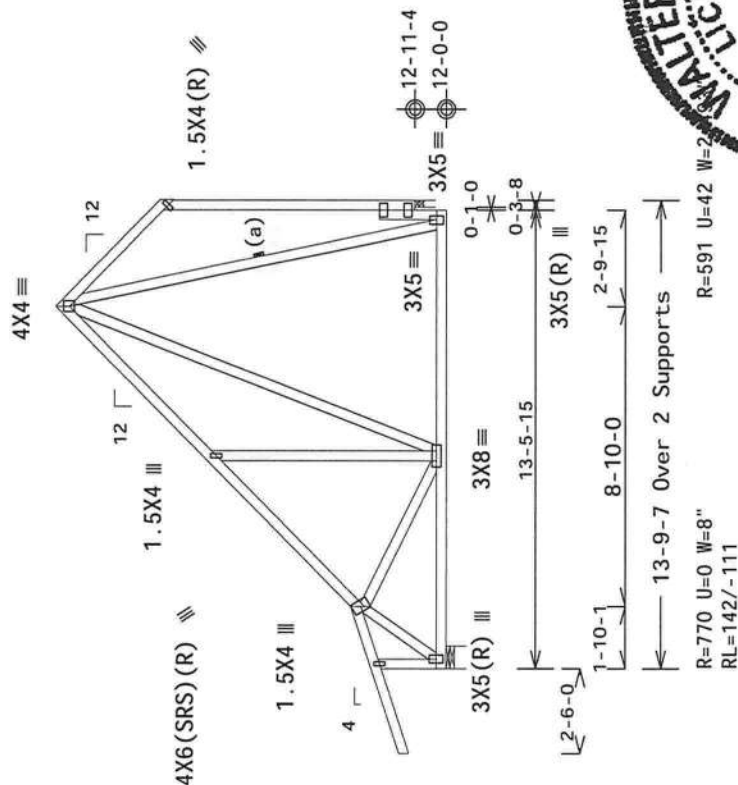
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 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. G_{Gpi}(+/-)=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(SD)
FT/RT=20%(0%)/10(0)

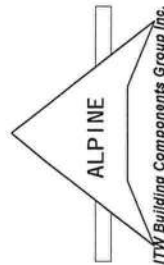
Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R9114- 87206
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354121
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285547
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing per BCSI requirements. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 reliability and use of this design for any structure is the responsibility of the user. This job's general notes page: ITW BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org



(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - R1222)

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

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, GCP(+/)=0.18

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

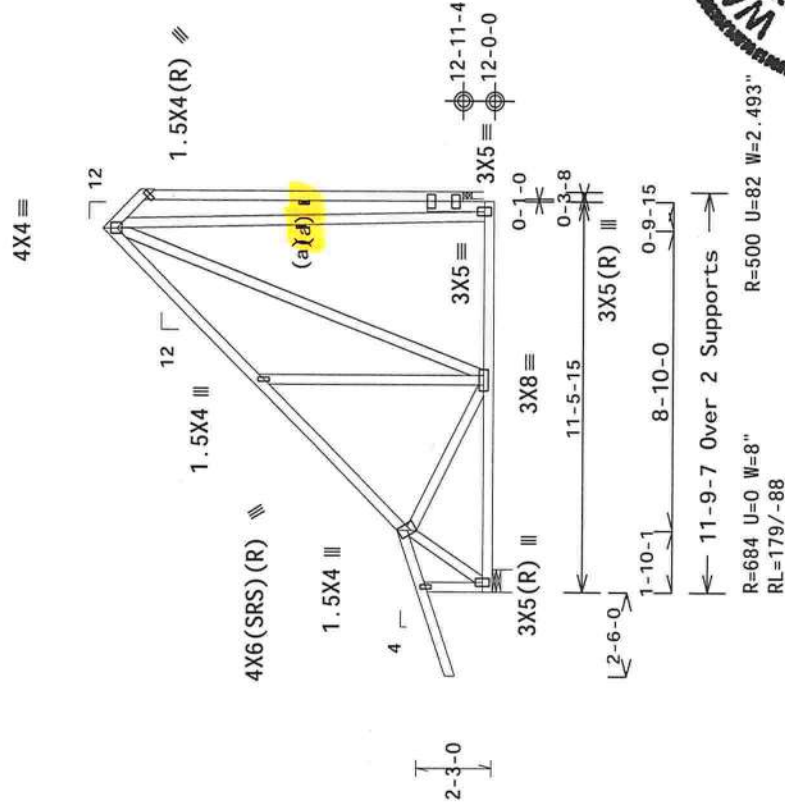
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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.

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

FL/-/5/-/-/R/- Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R9114- 87207
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354122
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285548
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

****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) TPI 1.00 to all practices prior to performing these functions. Installers shall provide temporary bracing per notes noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint. Basing and unbracing shall be indicated on this drawing. Indicate acceptance of this drawing 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
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Haines City, FL 33844
FL COA #0278



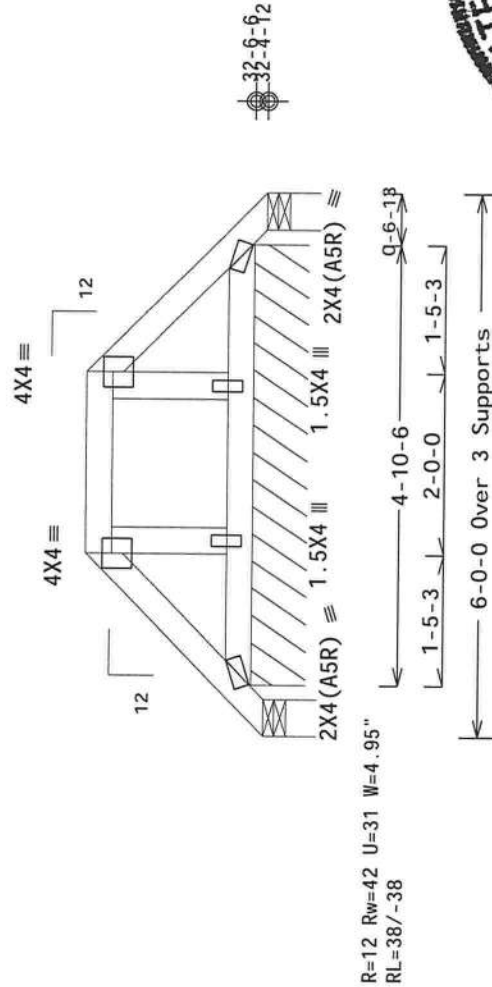
	Top chord	2x4	SP_#2	12A
	Bot chord	2x4	SP_#2	12A
	Webbs	2x4	SP_#2	12A

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. GCpi (+/-)=0.18

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

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.



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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For the latest edition of BCSP's Building Component Safety Information, by TPI and WITCA, contact your local distributor or write to: Trussing Division, Inc., P.O. Box 608, Madison, WI 53701.

Professional installers shall provide temporary bracing until permanent bracing can be installed. Temporary bracing shall be designed and installed in accordance with the manufacturer's instructions. Permanent lateral bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have trusses installed per BCSP section B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this drawing or specification due to errors in design, drafting, shipping, installation, handling, storage, or use. The user assumes all responsibility for the safe use of the product. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: General notes page: TW-BDG; www.itwbcg.com; TPI: www.tpi.net; WTC: www.sbcindustry.com;



FL/-/5/-/-/R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R9114- 87208
TC DL	10.0 PSF	DATE 12/19/12
BC DL	10.0 PSF	DRW HCUSR9114 12354123
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	40.0 PSF	SEQN- 285549
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1US59114Z05

	Top	chord	2x4	SP_#2	12A
	Bot	chord	2x4	SP_#2	12A
		Webbs	2x4	SP_#2	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.

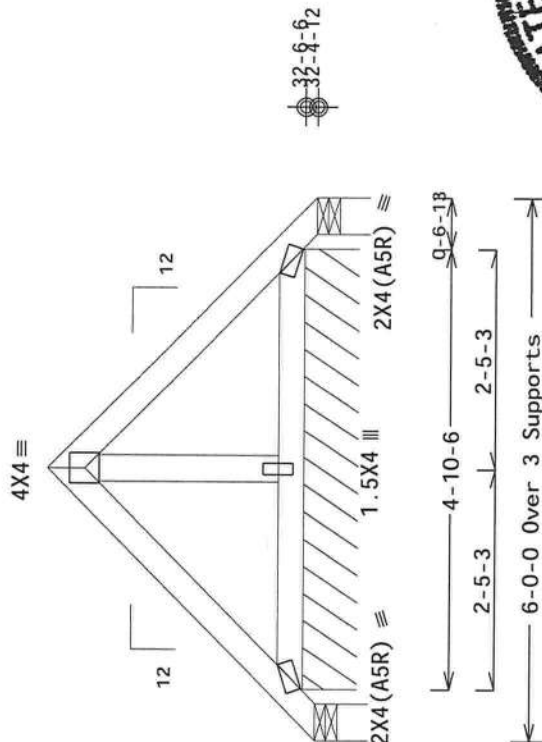
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads

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.



R=0 RW=62 U=61 W=4.95"
RL=58/-58

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

R=0 R_W=21 U=16 W=4

PLT TYP. Wave

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

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

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

Trusses require extreme care in fabricating, handling, shipping, installing, and bracing. Follow the latest edition of BCSP (Building Component Safety Information), by TPI and WCTA. Chinese contractors are not familiar with the safety practices noted in this design. Chinese installers prior to performing these functions. Installers shall provide temporary bracing for all trusses. Chinese contractors are not familiar with the safety practices noted in this design. Chinese installers prior to performing these functions. Installers shall provide temporary bracing for all trusses. Chinese contractors are not familiar with the safety practices noted in this design. Chinese installers prior to performing these functions. Installers shall provide temporary bracing for all trusses.

AIA will have tracing initiated per BCS) sections B3, B7 or B10, as applicable.

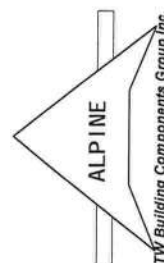
TW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this design. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see:

any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or erection of the truss. Apply plates to each face of truss and position as shown above and on the Joint Detail Drawing. This drawing indicates acceptable standard plate positions. A seal on this drawing or cover page listing the design shown. The suitability and use of this design for any structure is the responsibility solely for the designer.

The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see:

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

General notes page: TW-BGC; www.twbcg.com
General notes page: TPI; www.tpiinc.org; WTA; www.abc-industries.com;



FL/-/5/-/-/R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R9114- 87209
TC DL	10.0 PSF	DATE 12/19/12
BC DL	10.0 PSF	DRW HCUSR9114 12354124
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	40.0 PSF	SEQN- 285550
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1US59114Z05

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 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. 6Cpi(+/-)=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.

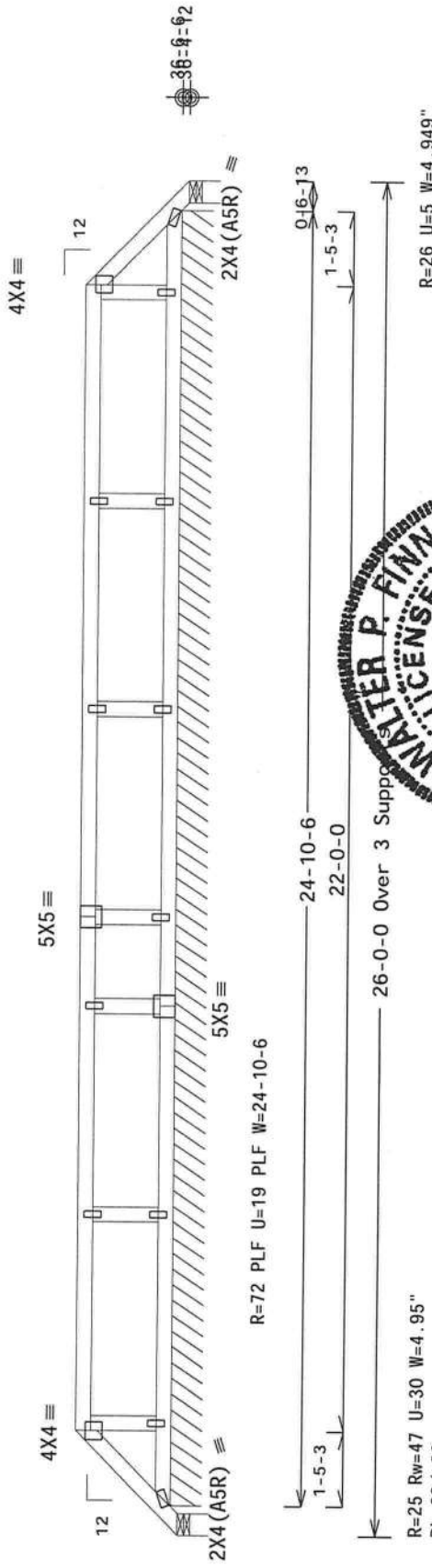
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

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.



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

R=26 U=5 W=4.949"

Note: All Plates Are 1.5X4 Except As Shown.

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

PLT TYP. Wave

FL/-5/-/-/R/- Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R9114- 87210
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354125
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285551
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

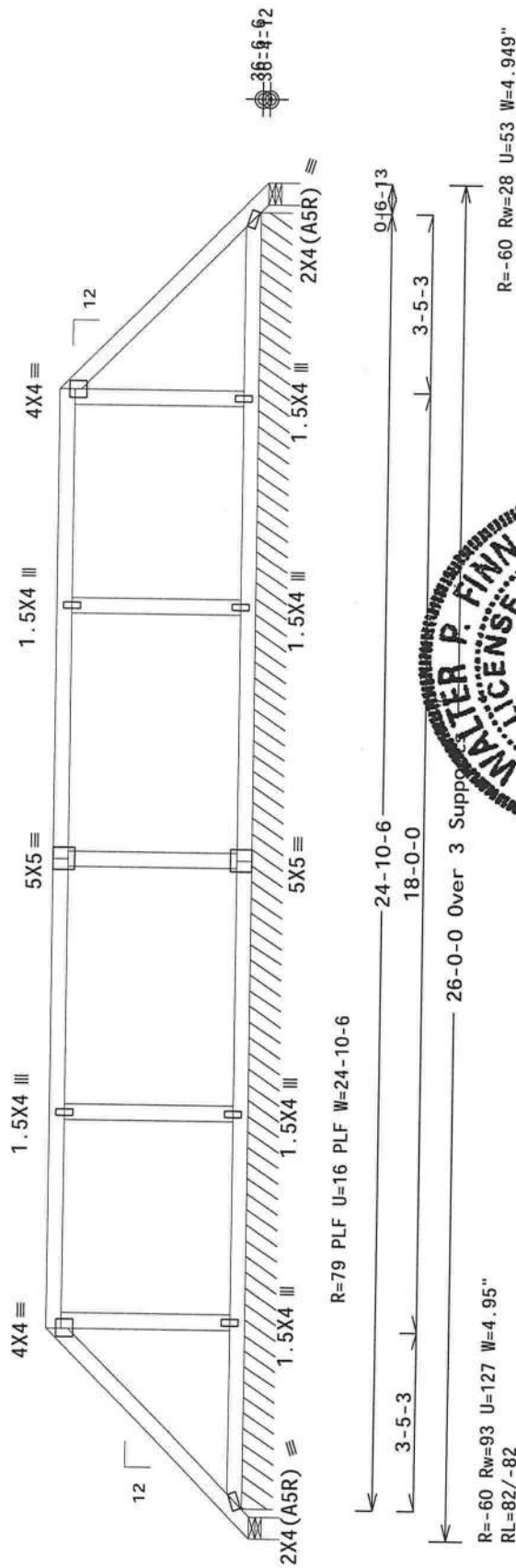


****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for instructions for performing these functions. Installers shall provide temporary bracing per the instructions shown. The suitability 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-BCSI: www.itw-bcsi.com; TPI: www.tpiinc.org; WTC: www.structure.com; ICC: www.iccsafe.org

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

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

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



ALPINE

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

TC LL	20.0 PSF	REF R9114- 87211
TC DL	10.0 PSF	DATE 12/19/12
BC DL	10.0 PSF	DRW HCUSR9114 12354147
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	40.0 PSF	SEQN- 285552
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1US59114Z05

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

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

Negative reaction(s) of -185# 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.

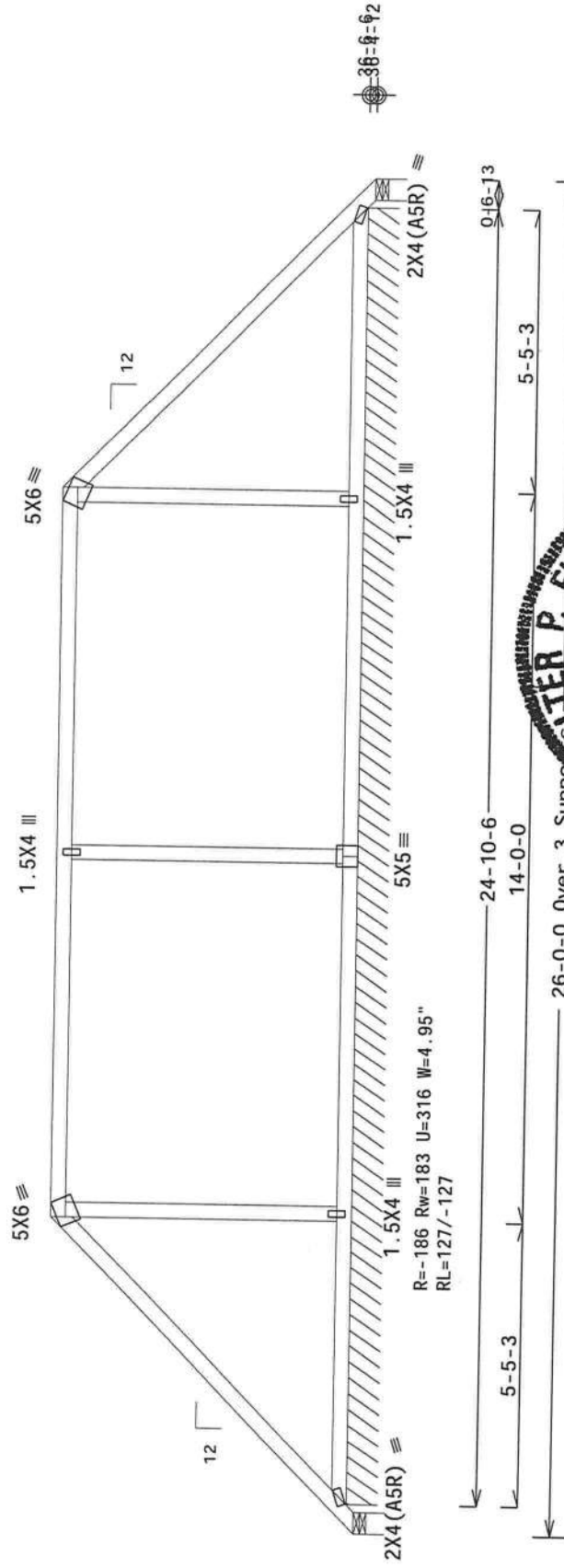
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads
----- (Lumber
TC- From Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
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.



R=89 PLF U=13 PLF W=24-10-6

R=-186 Rw=86 U=185 W=4.949"

PLT TYP. Wave

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

FL/-5/-/-/R/- Scale = .3125"/Ft.

No. 22839
03 19 2012
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/19/2012

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 Suppliers Institute) for standard practices prior to performing these functions. Installers shall provide the proper 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 other code requirements. The truss is shown in accordance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Refer to the face of trusses and position as shown above and on the Joint Details, unless noted otherwise. Refer to the face of trusses and position as shown above and on the Joint drawing or cover page listing this design. The suitability and use of this design is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's ICG: www.icginfo.org; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTA: www.sbcindustry.com;

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

TC LL	20.0 PSF	REF	R9114- 87212
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354148
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285553
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

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

Lumber grades designated with "12A" use design values approved 1/5/2012 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. GCpi (+/-)=0.18

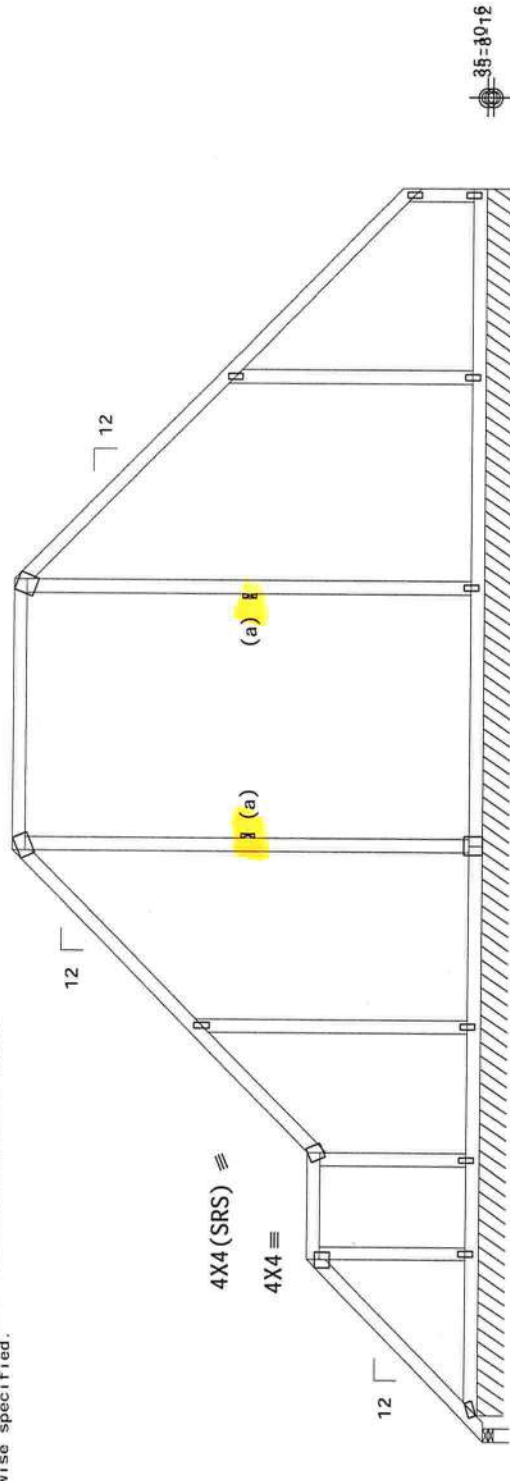
Wind loads and reactions based on MWFRS with additional C&C member design.

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

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

4X6 ≡

5X5



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

R=-77 Rw=220 U=243 W=3.5"
RL=218/-205

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(ST

design rule: FBCZOLUKes/IFI-200/(
FT/RT=20%(0%)/10(0)

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

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R9114- 87214
TC DL	10.0	PSF	DATE	12/19/12
BC DL	10.0	PSF	DRW	HCUSR9114 12354090
BC LL	0.0	PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0	PSF	SEQN-	285555
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1US9114Z05

17 KI-208 (07)

IMPORTANT

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
EIGHTEEN THIRTY EIGHT, YOU MAY LOOSE EIGHTY EIGHT

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For the following latest edition of BEST (Building Component Safety Information), by TPI and WTCA, for more details on proper bracing 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 a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BEST sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this design or specification. ITW-Building Components Group Inc. will not be held responsible for any deviations from this design or specification. To avoid future claims in conformance with ANSI/TPI 1, for handling, shipping, installation & use of this product, please refer to the back of this drawing for additional information regarding the use of this product. Details, unless noted otherwise. Refer to drawings A087-1 through A096-1 for details. A seal on this drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility solely for the design shown. The responsibility of TWBCG as Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCCG: www.itwbcg.com TPI: www.tpinet.org WCA: www.sbcindustry.com

ALPINE

TW Building Components Group Inc.
Haines City, FL 33844
FL COA #0378

12/19/2012

8-7-12

★ U.S. 03.10.183.0 P.M.

This design is for illustration & Joint

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

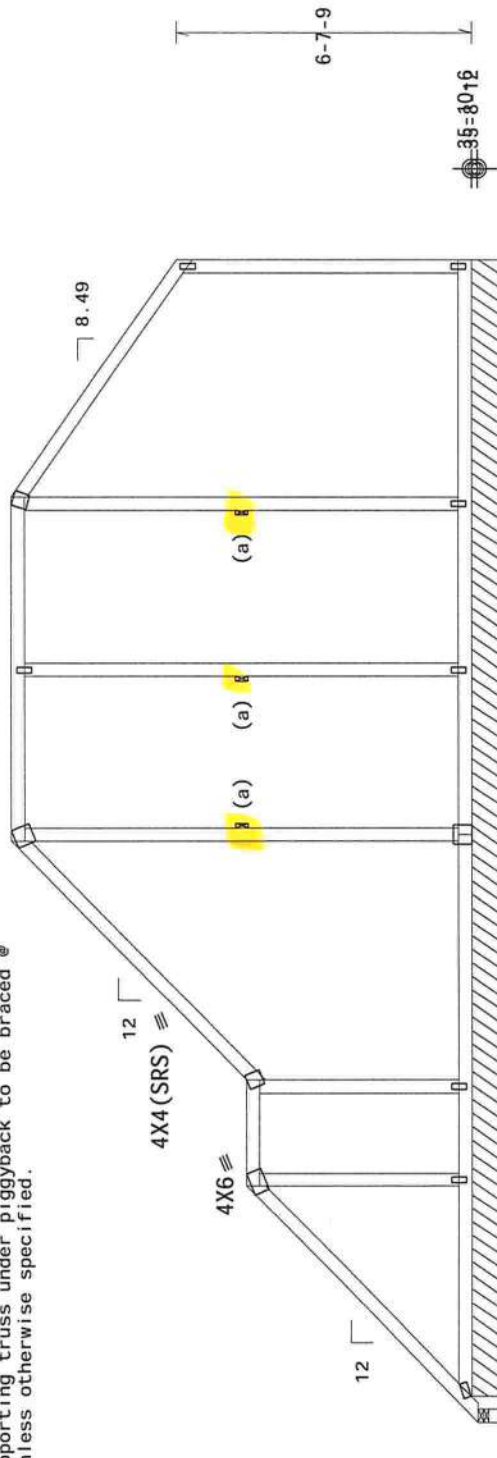
120 mph wind, 40.96 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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

4X4 III



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

←———— 25-7-12 Over 2 Supports

R=-350 R_w=59 U=171 W=3.5"
RL=94/-92

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TP1-2007(STP)

PLT TYP. Wave

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

TC LL	20.0	PSF	REF R9114- 87215
TC DL	10.0	PSF	DATE 12/19/12
BC DL	10.0	PSF	DRW HCU9R9114 12354091
BC LL	0.0	PSF	HC-ENG SSB/WPF
TOT.LD.	40.0	PSF	SEQN- 285556
DUR.FAC.	1.25		FROM SDY
SPACING	24.0"		JREF- 1US59114Z05

****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. Please refer to the latest edition of BCSP (Building Component Safety Information, by TPI and WCA) for the most current information on proper bracing practices prior to performing these functions. Installers shall provide temporary bracing per the design and specifications of the manufacturer. Trusses shall be braced in accordance with the manufacturer's instructions. Trusses shall be braced in accordance with the manufacturer's instructions. Trusses shall be braced in accordance with the manufacturer's instructions.

ITW Building Components Group Inc. (ITWBC) shall be responsible for any deviation from this drawing. The manufacturer shall be responsible for the design and installation of all supporting steel framing details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this framing or cover plate 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 installing Designer. ITWBC's design is based on the following assumptions:

- All structural members are made of AISC/AISI Spec. 2 steel.
- All connections are welded.

ITWBC: www.itwbc.com; TPI: www.tpi-inc.org; WTCA: www.wtca-robotics.com
CC: www.hcscaport.org

is designed for use on this
point
on this

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

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

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 MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

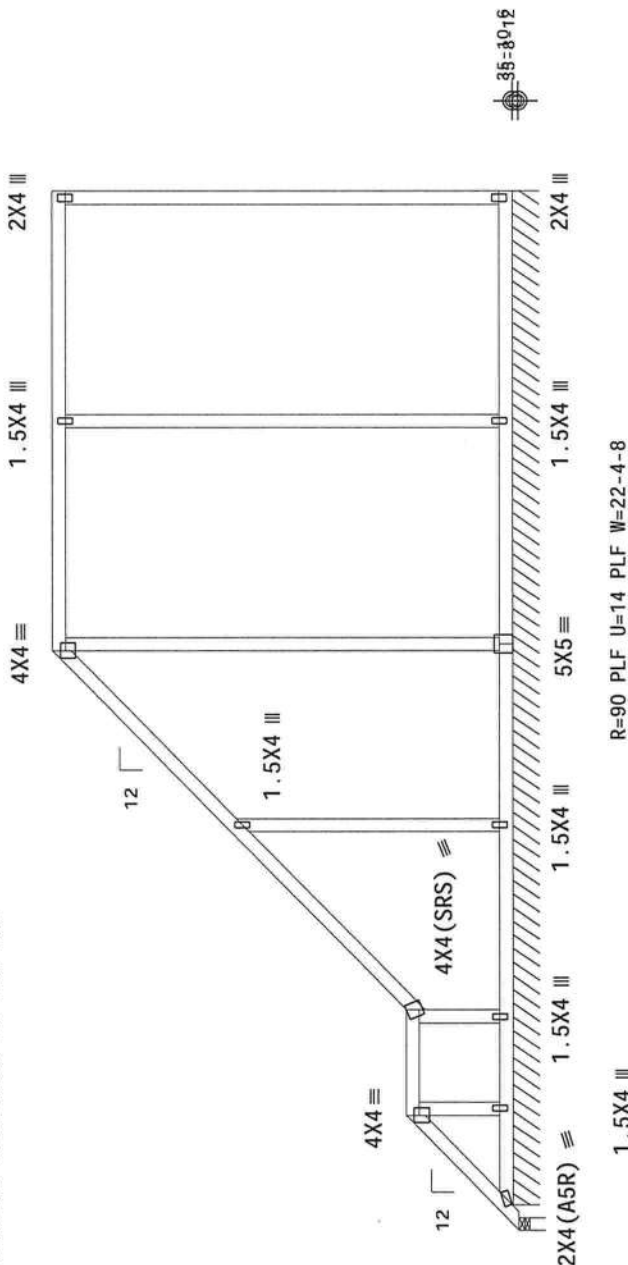
Number grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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.

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



1-11-11 2-4-0 7-11-2 10-1-11
22-11-5 Over 2 Support
R=1 R_w=164 U=71 W=3.5"
L=177/-77

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

Scale = 25"/Ft.

TC LL	20.0	PSF	REF	R9114-	87217
TC DL	10.0	PSF	DATE	12/19/12	
BC DL	10.0	PSF	DRW	HCUSR9114	12354093
BC LL	0.0	PSF	HC-ENG	SSB/WPF	
TOT.LD.	40.0	PSF	SEQN-	285638	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		IREF-	1US9114Z05	

****WARNING**** DEAD 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****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. To ensure proper installation, please follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for all applicable details. Installers shall provide temporary bracing per the details shown. Trusses shall have a properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 89 or B10, as applicable.

ITW Building Components Group Inc., (TWBCO) shall be responsible for any duration from this date until the date of installation. The manufacturer's instructions shall show installation details, unless otherwise noted.

Apply plates to each race or 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: www.fishbase.org

TWBCO: www.itwbc.com, TWBCO: twbco@itwbc.com, TWBCO: www.twbco.com, TWBCO: twbco@itwbc.com.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

mes City, FL 338
FL COA #0278

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB11)

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

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

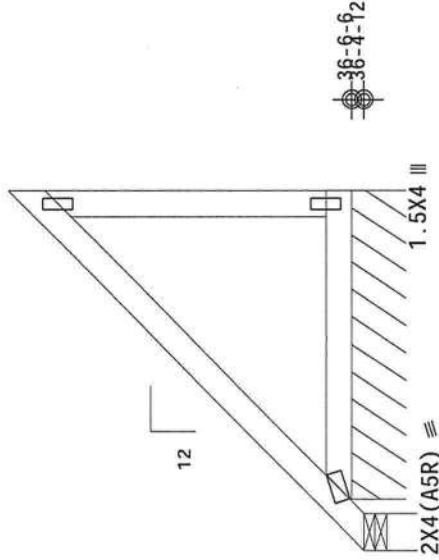
Wind loads and reactions based on MWFRS with additional C&C member design.

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 drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

1.5X4 III



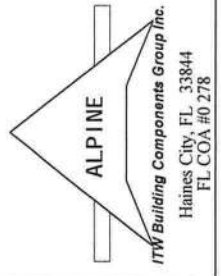
R=108 PLF U=30 PLF W=3-5-0

< 3-11-14 Over 2 Supports >

R=-97 Rw=89 U=96 W=4.95"
RL=66/-30

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

PLT TYP. Wave



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for proper erection and bracing. Trusses are not to be used for any other 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 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 or 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 jurisdiction 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; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org



12/19/2012

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
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.

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

TC LL	20.0 PSF	REF	R9114- 87218
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354094
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285558
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US9114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB12)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 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.

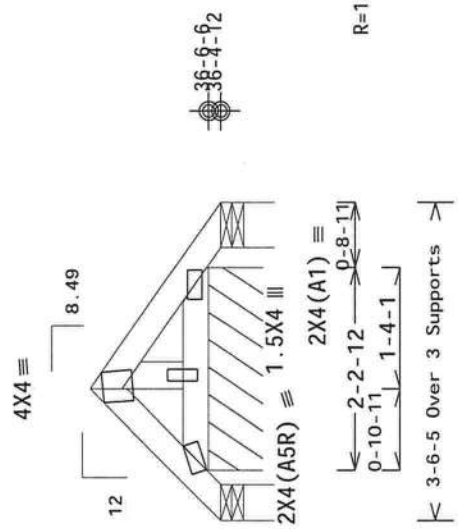
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 1.46
TC- From 64 plf at 1.46 to 64 plf at 3.52
BC- From 4 plf at 0.00 to 4 plf at 3.52

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. GCpl(+/-)=0.18

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



R=17 Rw=30 U=17 W=4.95"
RL=25/-28

3-6-5 Over 3 Supports

R=82 PLF U=19 PLF W=2-2-12

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

PLT TYP. Wave

ALPINE

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to 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 properly attached rigid colling. Locations shown for permanent lateral restraint of truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in 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 cover page indicating 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.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/19/2012

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

TC LL	20.0 PSF	REF	R9114- 87219
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354095
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285559
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US9114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB13)

Top chord 2x4 SP #2_12A
Bot chord 2x4 SP #2_12A
Webs 2x4 SP #2_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.

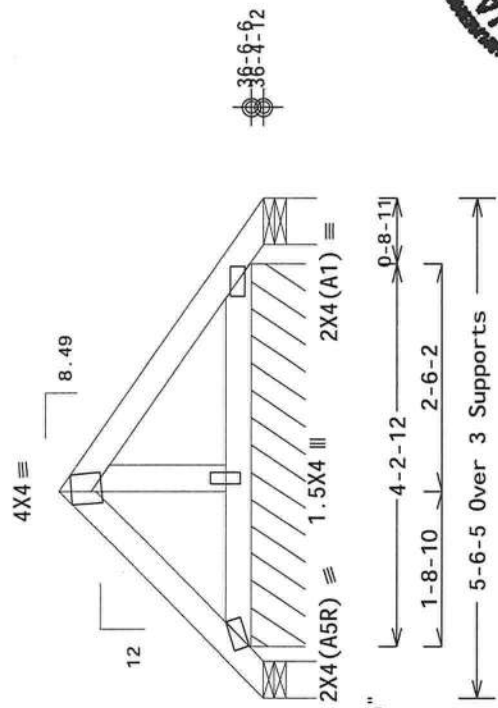
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads

TC- From 68 plf at 0.00 to 68 plf at 2.29
BC- From 64 plf at 2.29 to 64 plf at 5.52
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25

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. Gcpl(+/-)=0.18

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

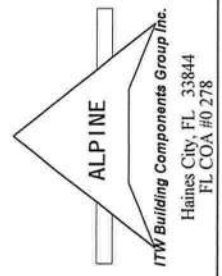


R=10 Rw=47 U=39 W=4.95"
RL=40/-45

R=84 PLF U=24 PLF W=4-2-12
R=-9 Rw=10 U=5 W=6.062"

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

PLT TYP. Wave



****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 on proper installation and bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 cover page indicating 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; WTCA: www.sbcindustry.com; ICC: www.iccncafe.org

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

TC LL	20.0 PSF	REF	R9114- 87220
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354096
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285560
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US9114Z05

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

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 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.

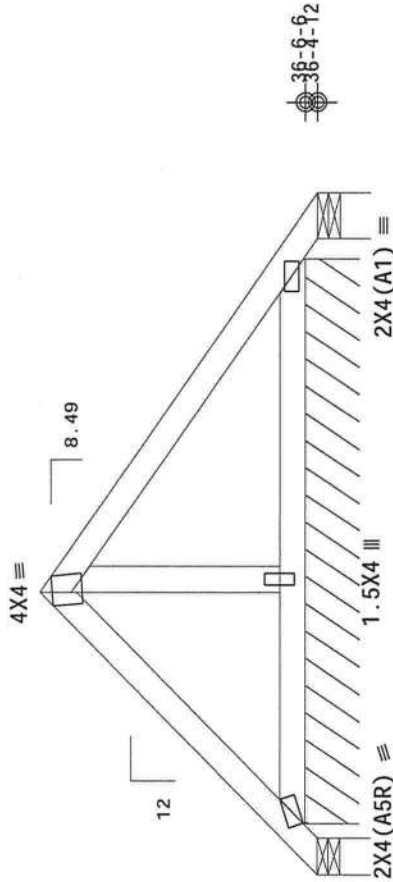
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
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

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. GCpl(+/-)=0.18

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



R=10 R_w=67 U=68 W=4.95"
RL=57/-63

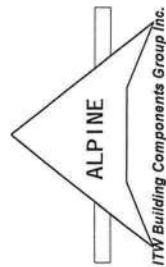
7-6-5 Over 3 Supports

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

R=-56

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

PLT TYP. Wave



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

Trusses shall be braced in accordance with the design shown. Trusses shall be braced in accordance with the design shown. Trusses shall be braced in accordance with the design shown.

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

Scale = .5"/Ft.

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF	R9114- 87221
TC DL	10.0 PSF		DATE	12/19/12
BC DL	10.0 PSF		DRW	HCUSR9114 12354097
BC LL	0.0 PSF		HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF		SEQN-	285561
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1US59114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB15)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

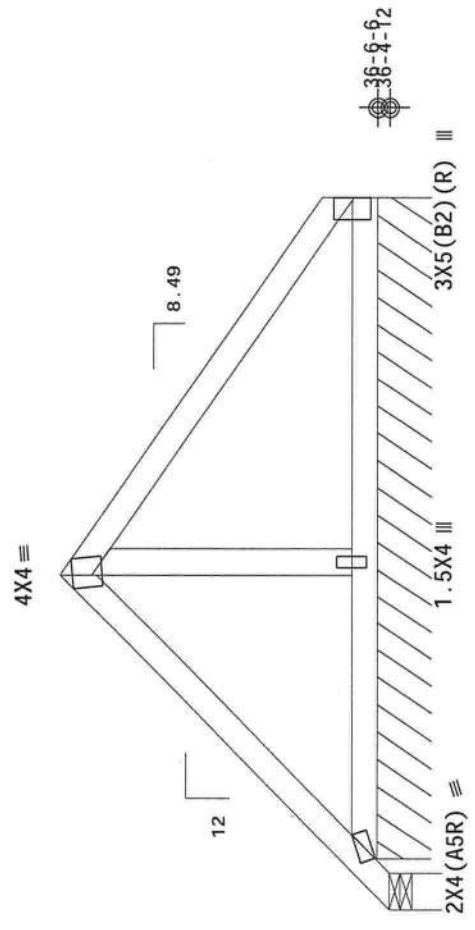
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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 drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.



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



3-1-11 4-2-0

7-10-8 Over 2 Supports

R=27 U=92 W=4.95"

RL=-69

Design Crit: FBC2010Res/TPI-2007(S18)
FT/RT=20%(0%)/10(0)

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

TC LL	20.0 PSF	REF	R9114- 87222
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354098
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285639
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

****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. The installer shall follow the latest edition of BCSI (Building Components Safety Institute) for proper installation and bracing practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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. Untreated wood shall be protected with a preservative. Refer to drawings 1608-2 for standard plate positions. A seal on this drawing is required for verification of this design. The suitability and use of this design for any structure is the responsibility solely of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG; www.itwbcg.com; TPI: www.tpinat.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

12/19/2012

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

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB16)

Top chord 2x4 SP_#2_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_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 drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads
-----Lumber
TC- From 68 plf at 0.00 to 68 plf at 4.95
TC- From 68 plf at 4.95 to 68 plf at 7.87
BC- From 4 plf at 0.00 to 4 plf at 7.87

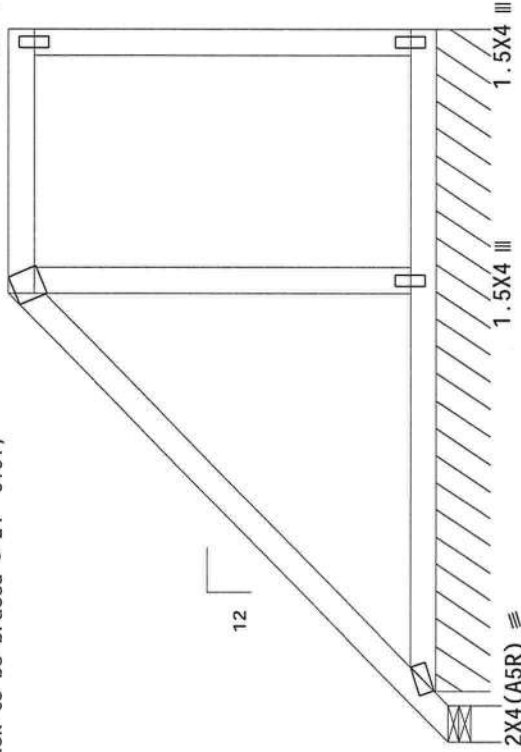
120 mph wind, 38.87 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

MWFRS loads based on trusses located at least 19.44 ft. from roof edge.

1.5X4 III

4X4 ≡



R=96 PLF U=23 PLF W=7-3-10

4-4-9

2-11-1

7-10-8 Over 2 Supports

R=150 RW=122 U=154 W=4.95"

RL=83/-37

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- 87223
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354099
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	40.0 PSF	SEQN-	285562
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information, by TPI and WTCA for details on proper installation and bracing. Trusses shall be installed in accordance with the instructions provided on the truss label. Trusses shall be installed on a properly prepared and supported foundation. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall be installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this 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 and the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information on any structures is general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

12/19/2012



ALPINE

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

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

Top chord 2x4 SP_#2_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_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 drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

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 -378# MAX. (See below) from a non-wind load case requires uplift connection.

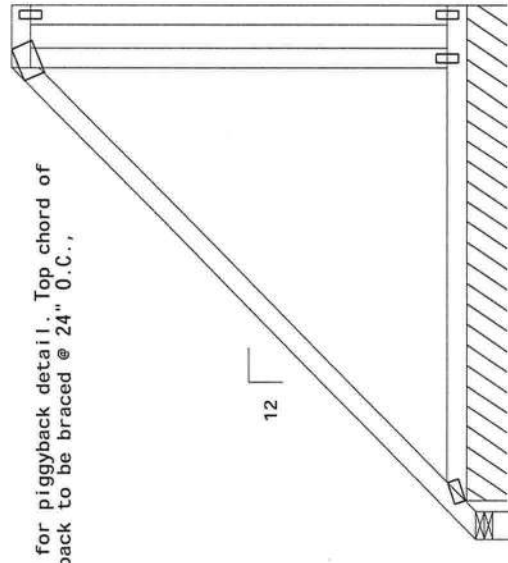
Right end vertical not exposed to wind pressure.

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.

1.5X4

4X6



1.5X4

R=-378 Rw=221 U=344 W=4.95"

RL=117/-52

6-4-9

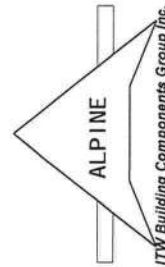
7-10-8 Over 2 Supports

R=128 PLF U=35 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
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for details, unless noted otherwise. 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 by the Building Designer per ANSI/TPI 1 Sec 2. For more information see: This Job's general notes page: ITW-BCSI: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICE: www.icesafe.org

FL/-/5/-/-/R/- Scale = .375" /Ft.

TC LL	20.0 PSF	REF	R9114- 87224
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354100
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285563
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

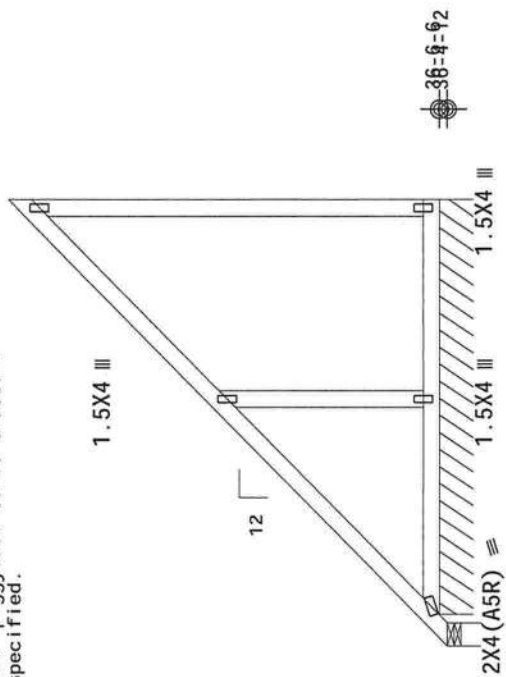
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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.

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

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.



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

7-10-8 Over 2 Supports

R=3 Rw=142 U=99 W=4.95"
RL=133/-58

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

PLT TYP. Wave

ALPINE

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Trusses are designed and manufactured in accordance with the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings. 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. 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.



Scale = .3125"/Ft.

FL/-/5/-/-/R/-	FL/-/5/-/-/R/-	FL/-/5/-/-/R/-
TC LL	20.0 PSF	REF R9114- 87225
TC DL	10.0 PSF	DATE 12/19/12
BC DL	10.0 PSF	DRW HCUSR9114 12354239
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	40.0 PSF	SEQN- 285564
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1US59114Z05

(120912--Anderson Truss Co. -Patel Residence --- Lot 1 Hills Of Windsor , ** - PB19)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 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.

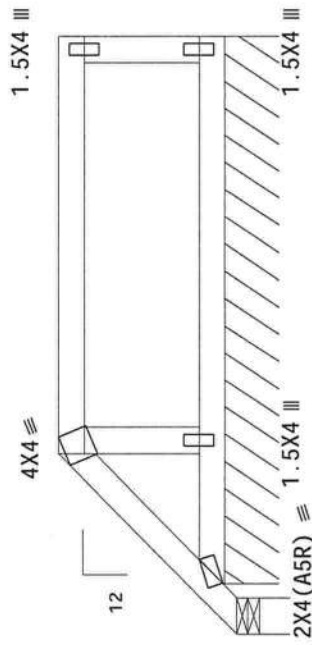
MMFRS loads based on trusses located at least 19.20 ft. from roof edge.

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

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.

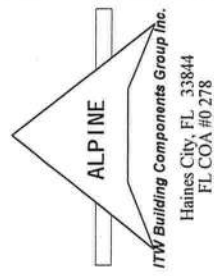


R=70 PLF U=20 PLF W=6-0-10

1-5-3 4-7-7
6-7-7 Over 2 Supports
R=39 Rw=41 U=19 W=4.95"
RL=33

Design Crit: FBC2010Res/TPI-2007(ST) 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. Review the latest edition of BCSP (Building Component Safety Information, by TPI and WTCA) 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 a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.
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 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 sealability and use of this design for any 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

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

TC LL	20.0 PSF	REF	R9114- 87226
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354149
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	40.0 PSF	SEQN-	285565
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

Top	chord	2x4	SP_#2	12A
Bot	chord	2x4	SP_#2	12A
	Webs	2x4	SP_#2	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 drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

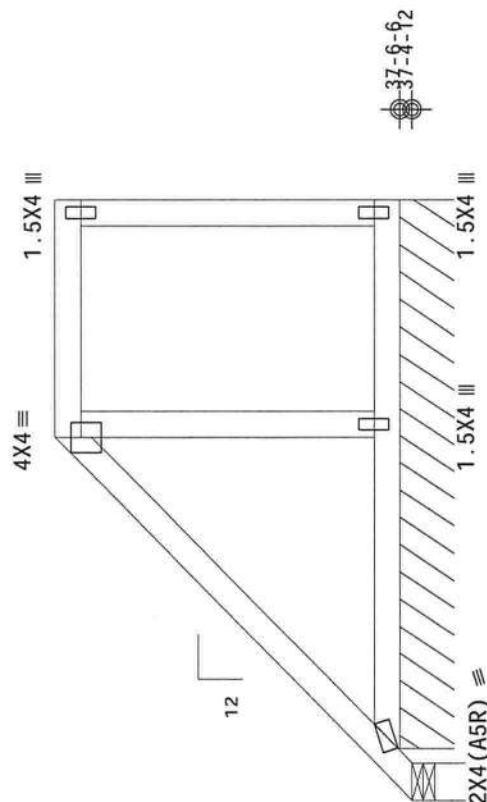
Special loads

	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 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.

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



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

$\overbrace{\hspace{1.5cm}}^{3-5-3}$
 $\overbrace{\hspace{1.5cm}}^{6-7-7}$ Over 2 Supports

 $R = -78$ $R_w = 85$ $U = 87$ $W = 4.95''$

 $RL = 67 / -30$

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

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

TC LL	20.0	PSF	REF R9114- 87227
TC DL	10.0	PSF	DATE 12/19/12
BC DL	10.0	PSF	DRW HCUSR9114 12354150
BC LL	0.0	PSF	HC-ENG SSB/WPF
TOT.LD.	40.0	PSF	SEQN- 285566
DUR.FAC.	1.25		FROM SDY
SPACING	24.0"		JREF- 1US59114Z05

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. Read and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for all applicable details and bracing requirements. Installers shall provide temporary bracing per the manufacturer's instructions for these trusses. Trusses shall have a property attached rigid ceiling. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWBCO) shall not be responsible for any deviation from this design or any failure to build the Truss in conformance with AISC/TPI 1, or for handling, shipping, installation or details, unless noted otherwise. Refer to drawings AISC-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 AISC/TPI 1 Sec.2. For more information see: www.twbcogroup.com, TWBCO, www.aisc.org, info@twbcogroup.com, www.aisc.org



12/19/2012

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

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB21)

Top chord 2x4 SP #2 12A :T2 2x6 SP #1_Dense_12A:

Bot chord 2x4 SP #2_12A

Webs 2x4 SP #2_12A

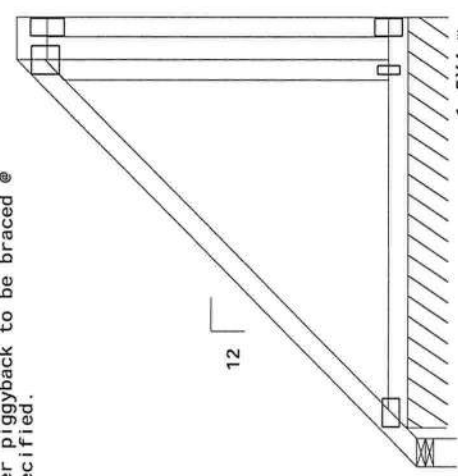
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 40.40 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

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

MMFRS loads based on trusses located at least 20.20 ft. from 3X6 III roof edge.

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.



3X5(B1) = 3X5(B1) U=32 PLF W=6.3X5 d

R=117 PLF U=32 PLF W=6.3X5 d

5-4-15

6-7-7 Over 2 Supports

R=-247 Rw=167 U=225 W=4.95"

RL=101/-45

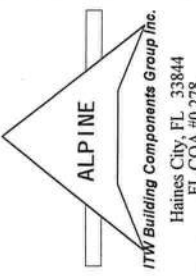
Design Crit: FBC2010Res/TPI-2007(STB) FT/RT=20%(0%)/10(0)

PLT TYP. Wave

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of the ITW Building Components Group Inc. (ITWBCG) for the most current practices and details. The truss manufacturer shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the truss shall have bracing installed per BCS1 sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on this drawing indicates that the truss has been inspected and approved for use. The suitability and use of this structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org



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 6.62
BC- From 4 plf at 0.00 to 4 plf at 6.62

Negative reaction(s) of -247# 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.



FL/-/5/-/-/R/- Scale = .375" /Ft.

TC LL	20.0 PSF	REF	R9114- 87228
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354151
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285567
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB22)

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

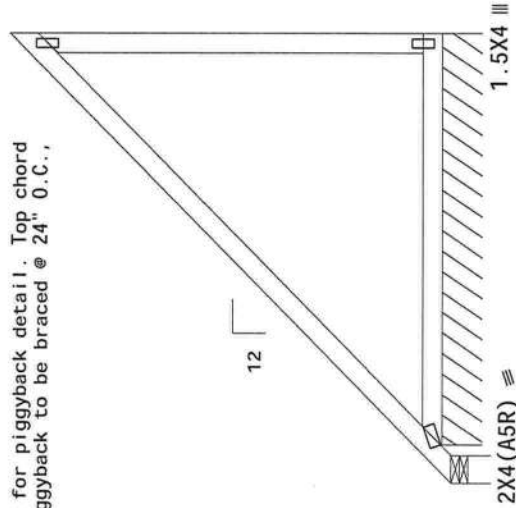
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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.

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

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

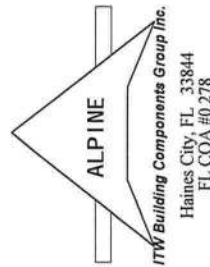


R=150 PLF U=43 PLF W=6-0-10

6-7-7 Over 2 Supports

R=-446 R_w=237 U=402 W=4.95"
RL=112/-49

PLT TYP. Wave



Design Crit: FBC2010Res/TP1-2007(ST) 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. Read and follow all notes on this drawing. Trusses are to be erected and braced in accordance with the ITW Building Components Group Inc. practices prior to performing these functions. Installer shall provide structural sheathing and bottom chord bracing. Trusses 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/TP1 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. A seal on this drawing is required for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TP1: www.tp1inst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

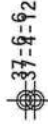
Special loads
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at 0.00 to 68 plf at 6.62
BC- From 4 plf at 0.00 to 4 plf at 6.62

Negative reaction(s) of -446# 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.



TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .375"/Ft.
TC DL	10.0 PSF	REF	R9114- 87229
BC DL	10.0 PSF	DATE	12/19/12
BC LL	0.0 PSF	DRW	HCUSR9114 12354152
TOT.LD.	40.0 PSF	HC-ENG	SSB/WPF
DUR.FAC.	1.25	SEQN-	285568
SPACING	24.0"	FROM	SDY
		JREF-	1US59114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB23)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 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 19.89 ft. from roof edge.

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads

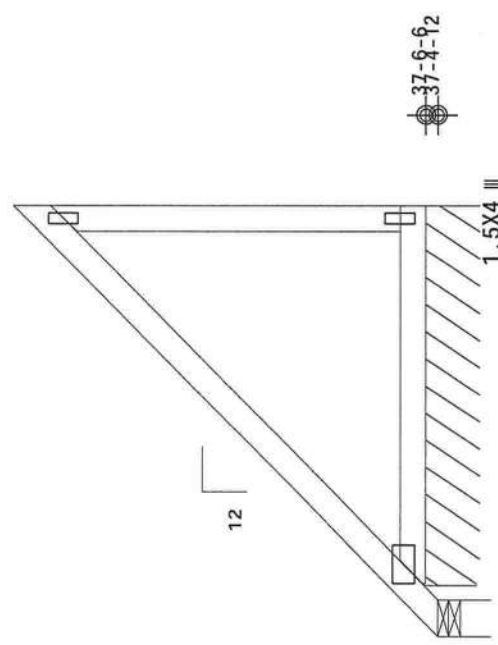
Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 68 plf at 0.00 to 68 plf at 4.76
BC- From 4 plf at 0.00 to 4 plf at 4.76

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

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.

1.5X4 III



3X5 (B1) ≡ R=120 PLF U=34 PLF W=4-2-6

4-9-3 Over 2 Supports

R=-175 Rw=125 U=163 W=4.95"
RL=80/-36

Design Crit: FBC2010Res/TPI-2007(ST) FT/RT=20%(0%)/10(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.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Components Safety Institute) Manual for TPI and WTCA for practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord bracing as shown on drawings. 1608-2 Formed standard plate positions. A seal on this drawing or on the truss shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of shall have bracing installed per BCSI sections B3, B9 or B10, as applicable.

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
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. Untreated lumber shall be used for all truss members. Trusses shall be installed in accordance with 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



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

TC LL	20.0 PSF	REF	R9114- 87230
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354153
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT .LD.	40.0 PSF	SEQN-	285569
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

Top chord 2x4 SP_#2_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_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 11.67 ft. from roof edge.

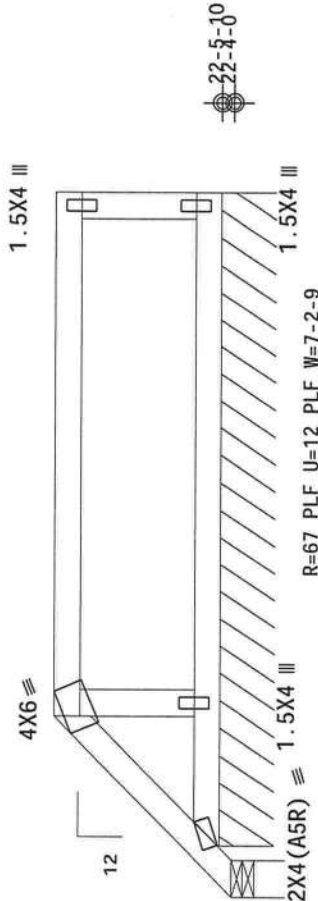
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads

-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 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.



1-5-3 5-9-6
7-9-6 Over 2 Supports
R=63 U=8 W=4.95"
RL=32

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

PLT TYP. Wave

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

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for a complete listing of truss specifications. Truss manufacturers shall provide temporary bracing per BCSI specifications. Truss manufacturers 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 & bracing of trusses. Apply plates to each race 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 Section 2. The use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI Section 2. This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WTCA: www.abciindustry.com; ICC: www.iccsafe.org



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

TC LL	20.0 PSF	REF	R9114- 87231
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUR9114 12354154
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285570
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

Top chord 2x4 SP_#2_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_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 drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

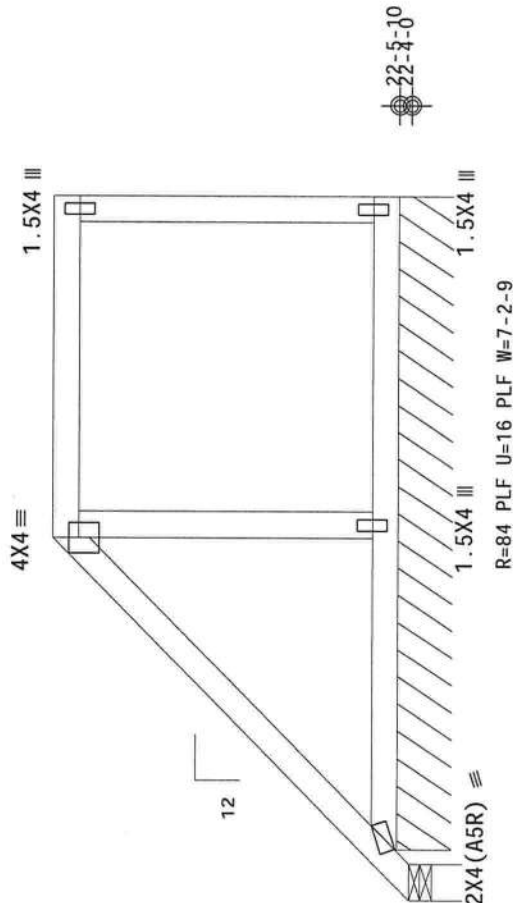
Special loads

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

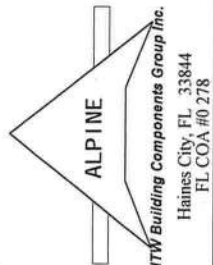
120 mph wind, 24.33 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. GCPI(+/-)=0.18

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave



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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section B3, BT or B16, 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 as shown. The user of this design shall be responsible for the bracing of trusses. Apply plates to each face of truss and position as shown on the detail, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per AISI/TPI 1 Sec.2. For more information see: This Job's general specifications and drawings. TPI: www.tpiinc.com; WTCA: www.sdcindustry.com; ICC: www.iccsafe.org

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

TC LL	20.0 PSF	REF	R9114 - 87232
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354155
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285571
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

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

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

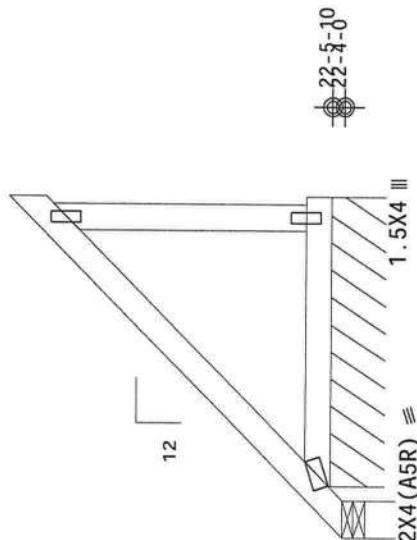
Wind loads and reactions based on MMFRS with additional C&C member design.

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 drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

1.5X4 III



R=103 PLF U=26 PLF W=3-2-3

< 3-9-0 Over 2 Supports >
R=73 Rw=75 U=74 W=4.95"
RL=60/-27

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)

****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. Read and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for proper installation and bracing. Trusses shall be installed in accordance with the instructions. Unless noted otherwise, top chord shall be installed with the top flange facing up and bottom flange facing down. Trusses shall have a properly attached rigid collar. Locations shown for permanent lateral restraint on 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 cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1, Sec 2. For more information, visit our website: www.itwbcg.com; TPI: www.tpi.net.org; WTCA: www.alcscsa.org; ICC: www.iccsafe.org



Special loads
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 pif at 0.00 to 68 pif at 3.75
BC- From 4 pif at 0.00 to 4 pif 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.

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

TC LL	20.0 PSF	REF	R9114- 87233
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCU9R114 12354156
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285572
DUR.FAC.	1.25	FROM	SDV
SPACING	24.0"	JREF-	1US59114Z05

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.

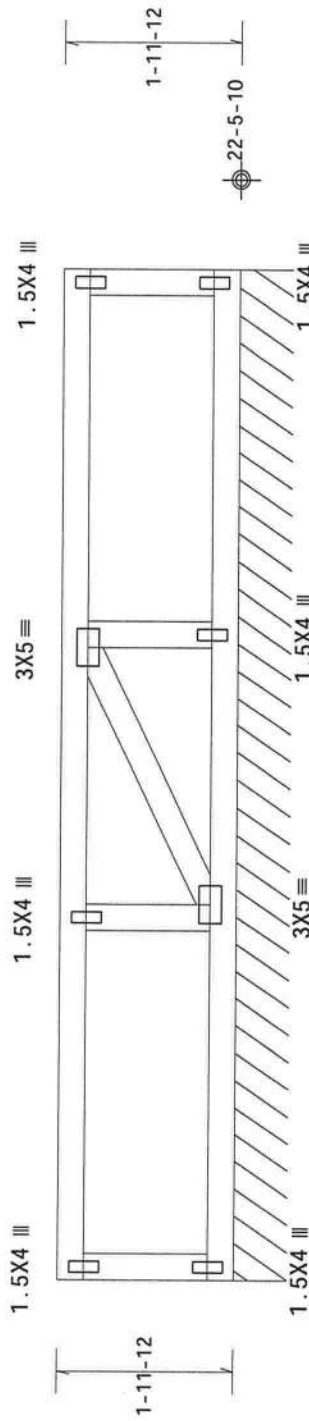
Webbs : 1 Row @ 4" o.c.
Doc. Grid : 1 Row @ 12" o.c.

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. GCpi(+/-)=0.18

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(ST
FT/RT=20%(0%)/10(0)FL/-/5/-/-/R/-
Scale = 5"/Ft.

TC LL	20.0 PSF	REF R9114- 87234
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10.0 PSF	DATE	12/19/12
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3C DL	10.0 PSF	DRW	HCUSR9114	12354240
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HC-ENG	SSB/WPF
0.0 PSF	

TOT.LD.	40.0 PSF	SEQN-	285640
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OUR.FAC.	1.25	FROM	SDY
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WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

[illegible]

ITW Building Components Group Inc. (TWB06C) shall not be responsible for any deviation from this design or construction details shown herein, whether by omission or commission, resulting from the installation of any failure to build the truss in accordance with ANSI/TPI 1-1, 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 T80M-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 TR-160; www.tandycos.com; TPI; awp@tpi.net; WTC; www.abci-industry.com; www.legislation.gov.uk

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

Top chord 2x4 SP_#2_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_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.

Trusses to be spaced at 16.0" OC maximum.

Provide for complete drainage of roof.

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

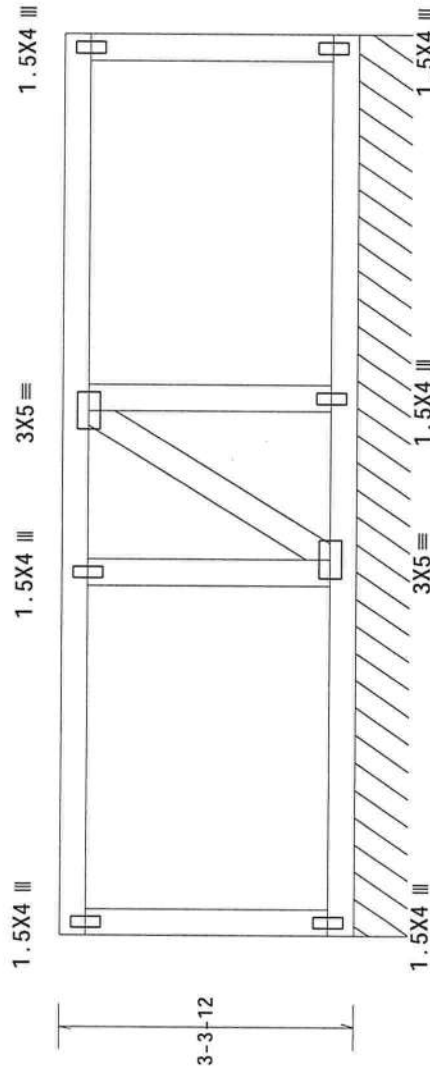
120 mph wind, 25.78 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. GCpi (+/-)=0.18

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.



R=43 PLF U=11 PLF W=9-11-1
9-11-1 Over Continuous Support

PLT TYP. Wave

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

Scale = .5" / Ft.

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

10.03.10 1223.10

10.03.10 1223.10

10.03.10 1223.10

10.03.10 1223.10

10.03.10 1223.10

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10.03.10 1223.10

10.03.10 1223.10

10.03.10 1223.10

10.03.10 1223.10

10.03.10 1223.10

TC LL	20.0 PSF	REF	R9114- 87235
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354241
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285573
DUR.FAC.	1.25	FROM	SDY
SPACING	16.0"	JREF-	1US59114Z05

WALTER P. FINN
LICENSE
No. 22839
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
12/19/2012

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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing.
Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) practices prior to performing these functions. Installers shall provide temporary bracing and shall have a properly attached structural sheathing and bottom chord bracing. The 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 for any failure to build the truss in conformance with the design. The user of this design shall be responsible for any deviation from this design or for any failure to build the truss in conformance with the design. 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; WTC: www.structure.com; ICC: www.iccsafe.org

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

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

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. 6Cpi(+/-)=0.18

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

End verticals not exposed to wind pressure.

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.

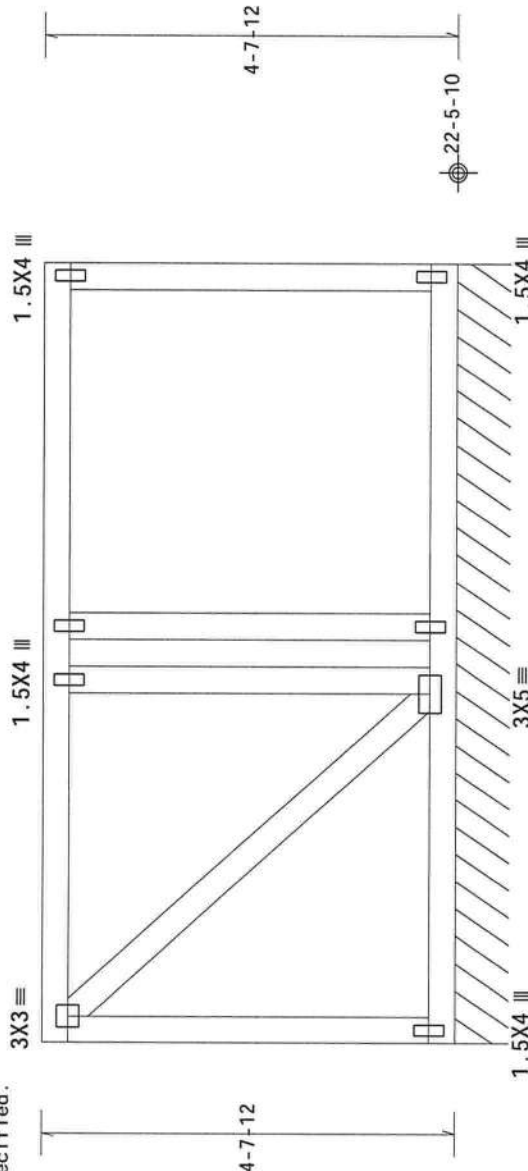
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Trusses to be spaced at 16.0" OC maximum.

Truss must be installed as shown with top chord up.

Provide for complete drainage of roof.

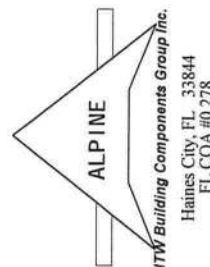
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., 1.5X4 III unless otherwise specified.



8-7-1 Over Continuous Support

R=43 PLF U=11 PLF W=8-7-1

PLT TYP. Wave



No. 22839

Design Crit: FBC2010Res/TPI-2007(S10)
FT/RT=20%(0%)/10(0)

Scale = .5" / Ft.

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

TC LL	20.0 PSF	REF	R9114- 87236
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354242
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285574
DUR.FAC.	1.25	FROM	SDY
SPACING	16.0"	JREF-	1US59114Z05

****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 WCA) practices prior to performing these functions. Installers shall provide temporary bracing per details noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or use of the truss in any position as shown above and on the Joint details, unless noted otherwise. Refer to drawings 180A-2 and 180A-3 for details. A listing of the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page. ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WCA: www.sbcindustry.com; ICSI: www.icsiare.org



(120912--Anderson Truss Co. -Pate! Residence -- Lot 1 Hills Of Windsor , ** - PB30)

Top chord 2x4 SP_#2_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_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.

Truss must be installed as shown with top chord up.

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

120 mph wind, 28.45 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

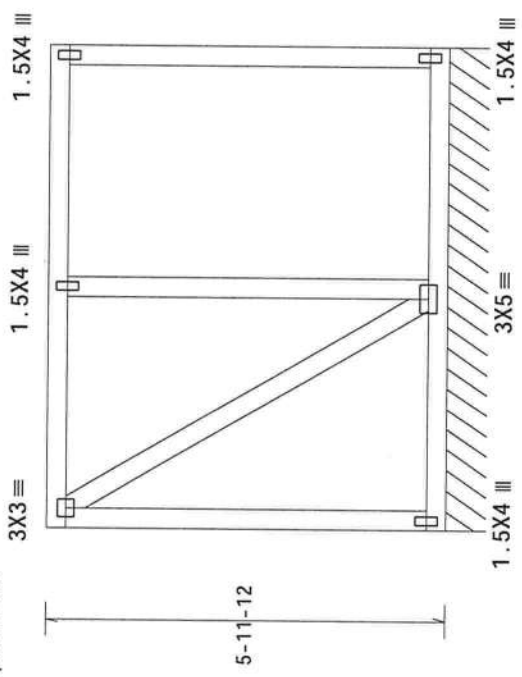
End verticals not exposed to wind pressure.

Trusses to be spaced at 16.0" OC maximum.

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

Provide for complete drainage of roof.

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



← 7-1-1 Over Continuous Support →
R=43 PLF U=12 PLF W=7-1-1



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

PLT TYP. Wave		FL/-5/-/-R/-		Scale = .375"/Ft.	
 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 a complete listing of all applicable codes and standards. Truss installers shall follow the practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. In no event shall a truss be installed without temporary bracing. Furthermore, top chord shall have property attached structural sheathing and bottom chord shall have a proprietary bracing system. All ceiling connections shown for permanent lateral restraint of wall shall have bracing installed per BCSI sections B3, B7 on B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. ITWBCG shall not be responsible for any deviation from this design. 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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
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****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for all practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. If not noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI. Trusses shall be installed in accordance with BCSI, BT or BTR, 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 as shown. Trusses are to be installed in accordance with the details of trusses. Apply plates to each face of truss and to all connections. 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 and drawings. ITW-BCG: www.itwbcg.com; TPI: www.tpiinc.org; WCA: www.alcindustry.com; ICC: www.iccsafe.org

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

120 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.

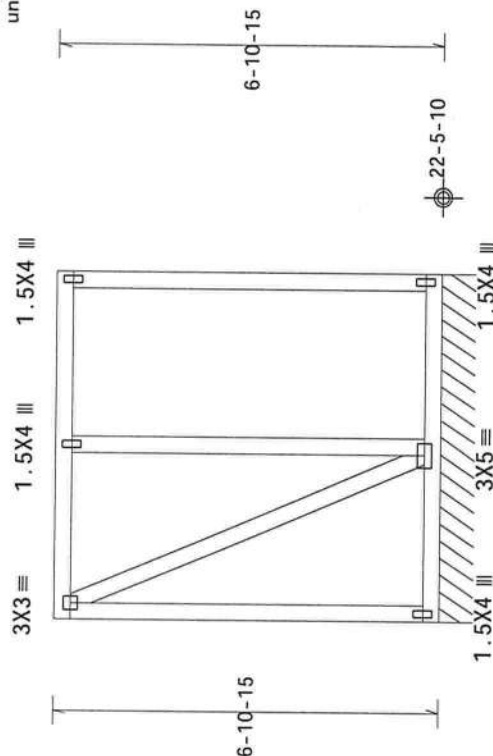
Trusses to be spaced at 16.0" OC maximum.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

MMWFRS loads based on trusses located at least 14.69 ft. from roof edge.

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.



6-1-14 Over Continuous Support

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

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

FL/-/5/-/-/R/- Scale = .3125"/Ft.

TC LL	20.0	PSF	REF	R9114-	87238
TC DL	10.0	PSF	DATE	12/19/12	
BC DL	10.0	PSF	DRW	HCUSR9114	12354244
BC LL	0.0	PSF	HC-ENG	SSB/WPF	
TOT.LD.	40.0	PSF	SEQN-	285576	
DUR.FAC.	1.25		FROM	SDY	
SPACING	16.0"		JREF-	1US59114Z05	

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

*** IMPORTANT ****

Tenases require extreme care in fabricating, handling, shipping, installing and bracing. The design and installation of BCS1 (Building Component Safety Information, by TPI and WTC) requires strict adherence to the following practices prior to use:

- a. All tenases shall have temporary bracing installed at all locations shown in the top chord (all bays).
- b. Tenases noted above shall have a properly attached rigid ceiling.
- c. Tenases 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 drawing. The user assumes full responsibility for the design and construction of the building. No liability shall be assumed by ITWBCG for any failure to build the truss in conformance with ANSI/TPI 1 or for having used the drawings without obtaining all necessary permits, approvals, engineering stamps, seals, calculations, details, unles noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's General Notes. Web site: www.itwinst.com TPI: www.tpi.net.org WCA: www.abciindus.com; ITWBCG: www.iesefabrics.com

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

2/19/2012

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - PB32)

Top chord 2x4 SP #2_12A
Bot chord 2x4 SP #2_12A
Webs 2x4 SP #2_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.

End verticals not exposed to wind pressure.

(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.

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

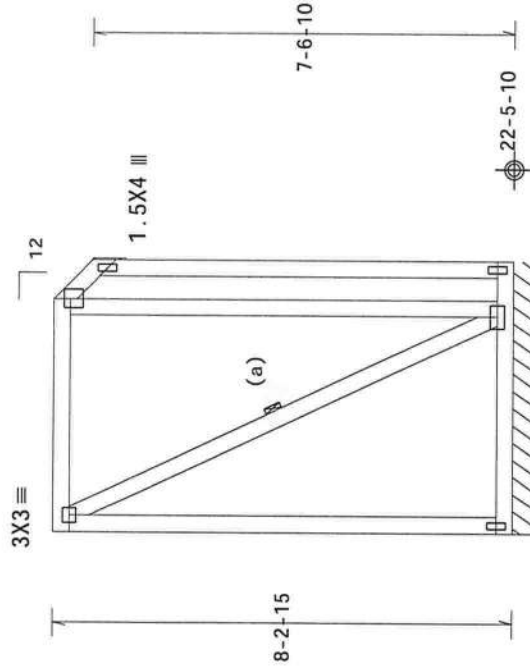
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads

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

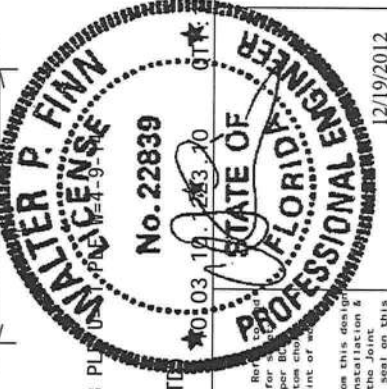
120 mph wind, 30.37 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. GCpl(+/-)=0.18

4X4 ≡



1.5X4 ≡ 3X5 ≡ 1.5X4 ≡

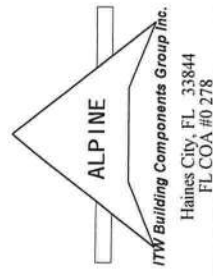
4-1-5 0-8-5
4-9-14 Over Continuous Support



R=48 PL

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

PLT TYP. Wave



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

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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, shall be the responsibility of the contractor. Apply plates to each face of truss and position as shown above and on the Joint Details. Unless noted otherwise, all trusses shall be braced in accordance with the provisions of the drawing or cover page listing this drawing. Indicates acceptance of professional engineer's seal on this responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page. ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.alcindustry.com; IBC: www.iccsafe.org

FL/-/5/-/-/R/- Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R9114- 87239
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354245
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285577
DUR.FAC.	1.25	FROM	SDY
SPACING	16.0"	JREF-	1US59114Z05

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

Top chord 2x4 SP_#2_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_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.

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.

Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

Special loads

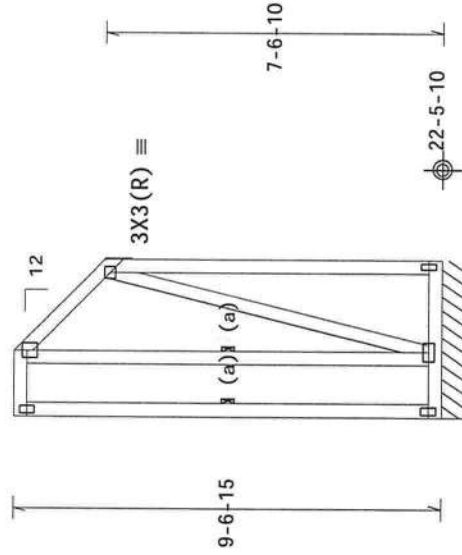
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 46 plf at 0.00 to 46 plf at 1.44
TC- From 46 plf at 1.44 to 46 plf at 3.47
BC- From 3 plf at 0.00 to 3 plf at 3.47

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. GCpi(+/-)=0.18

(a) Continuous lateral bracing equally spaced on member.

4X4 ≡

2X4 ≡



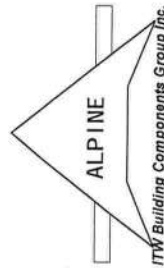
2X4 ≡ 1.5X4 ≡

3X5 ≡

1-5-5 2-0-5

3-5-14 Overhead Crane Support

PLT TYP. Wave

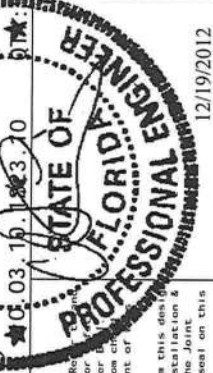


Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=20%(0%)/10(0)

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FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. ITWBCG shall be responsible 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. ITWBCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.alcindustry.com; IBC: www.international.org



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

TC LL	20.0 PSF	REF	R9114- 87240
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354246
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285578
DUR.FAC.	1.25	FROM	SDY
SPACING	16.0"	JREF-	1US59114Z05

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

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

Left end vertical not exposed to wind pressure.

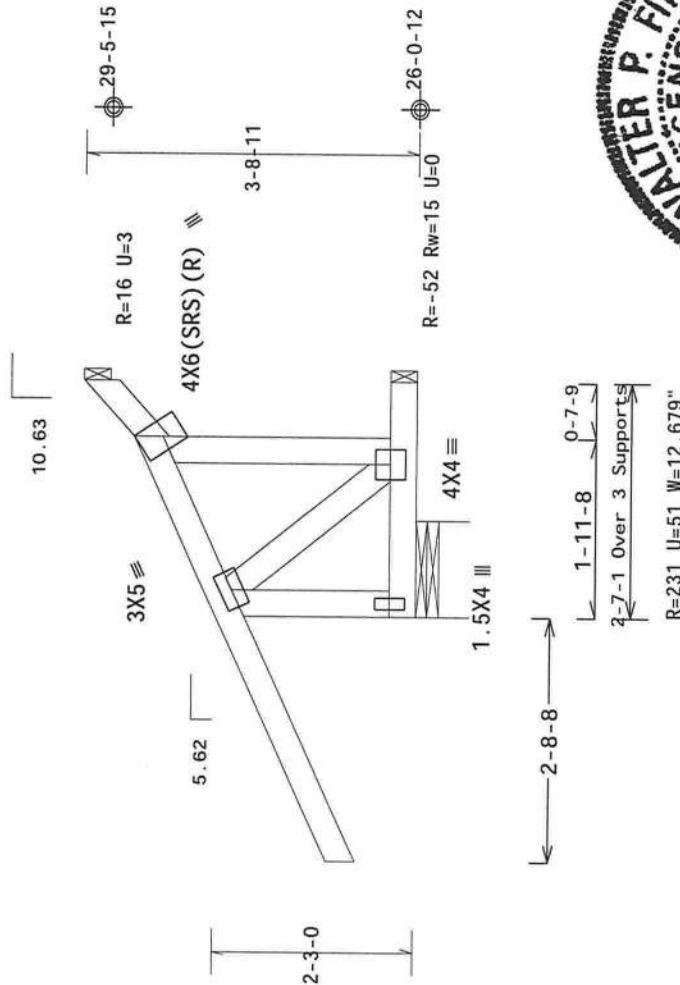
Wind loads and reactions based on MWFRS.

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

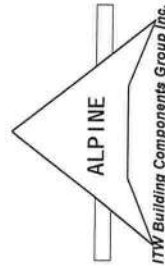
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

120 mph wind, 28.42 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof. RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18



PLT TYP. Wave



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

No. 22839

10.03.10 1223.10

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

TC LL	20.0 PSF	REF	R9114- 87242
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354157
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285641
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1U559114Z05

WALTER P. FINN
LICENSE
No. 22839
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
12/19/2012

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
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Top chord 2x6 SP_#1_Dense_12A : T2 2x4 SP_#2_12A:
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_12A

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

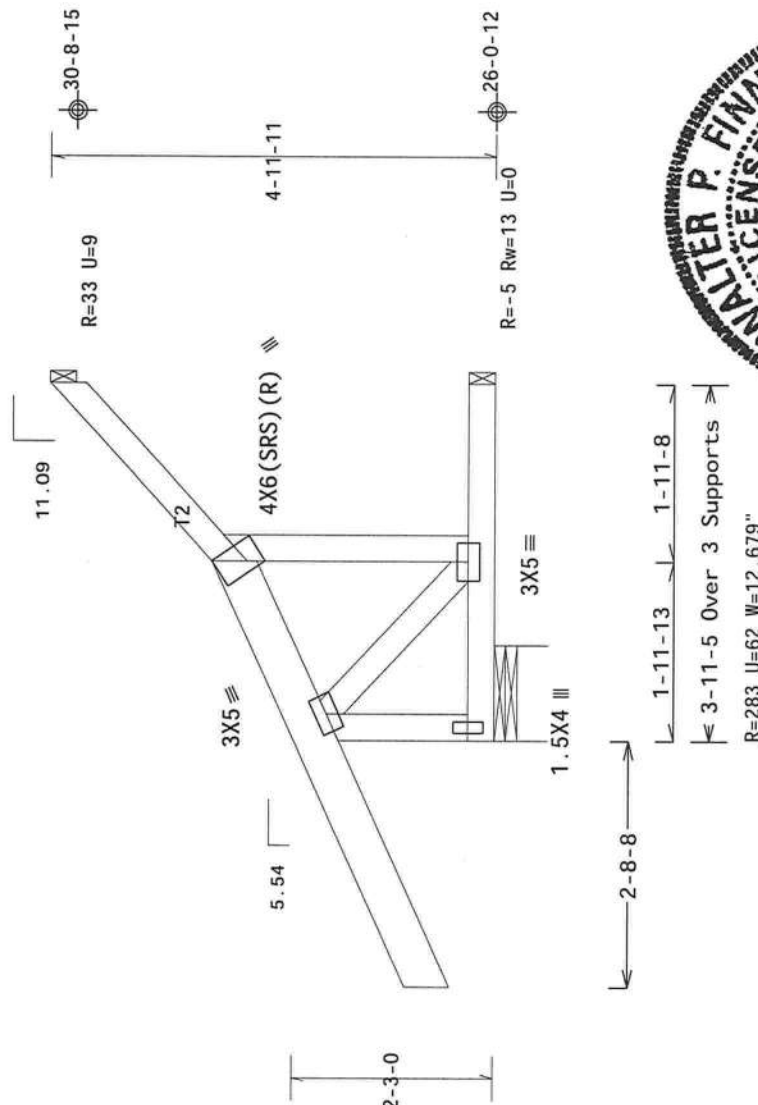
Left end vertical not exposed to wind pressure.

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

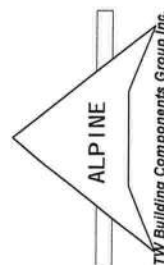
Wind loads and reactions based on MWFRS.

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.



PLT TYP. Wave

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

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

IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety Information, by TPI and WTCA) for detailed instructions and drawings for proper bracing of trusses. Truss installers shall provide appropriate bracing for all trusses. Truss installers shall have a properly attached structural sheathing and bottom chord bracing. Truss installers shall have bracing for permanent lateral restraint of trusses shown for permanent lateral restraint of trusses per BCSP sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCC) shall be responsible for any deviation from this document. ITWBCC shall be responsible for obtaining all necessary permits, approvals, and insurance coverage for handling, shipping, installation and erection of the product. The user shall be responsible for providing adequate support and bracing of trusses, unless noted otherwise. Refer to drawings 100A-Z for standard plate positions. A seal on this drawing or cover plate 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-BCC; www.itwbcc.com; TPI: www.tpi.net; WCTCA: www.sbcindiana.com;

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

TC LL	20.0	PSF	REF	R9114- 87243
TC DL	10.0	PSF	DATE	12/19/12
BC DL	10.0	PSF	DRW	HCUSR9114 12354158
BC LL	0.0	PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0	PSF	SEQN-	285642
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1U559114Z05

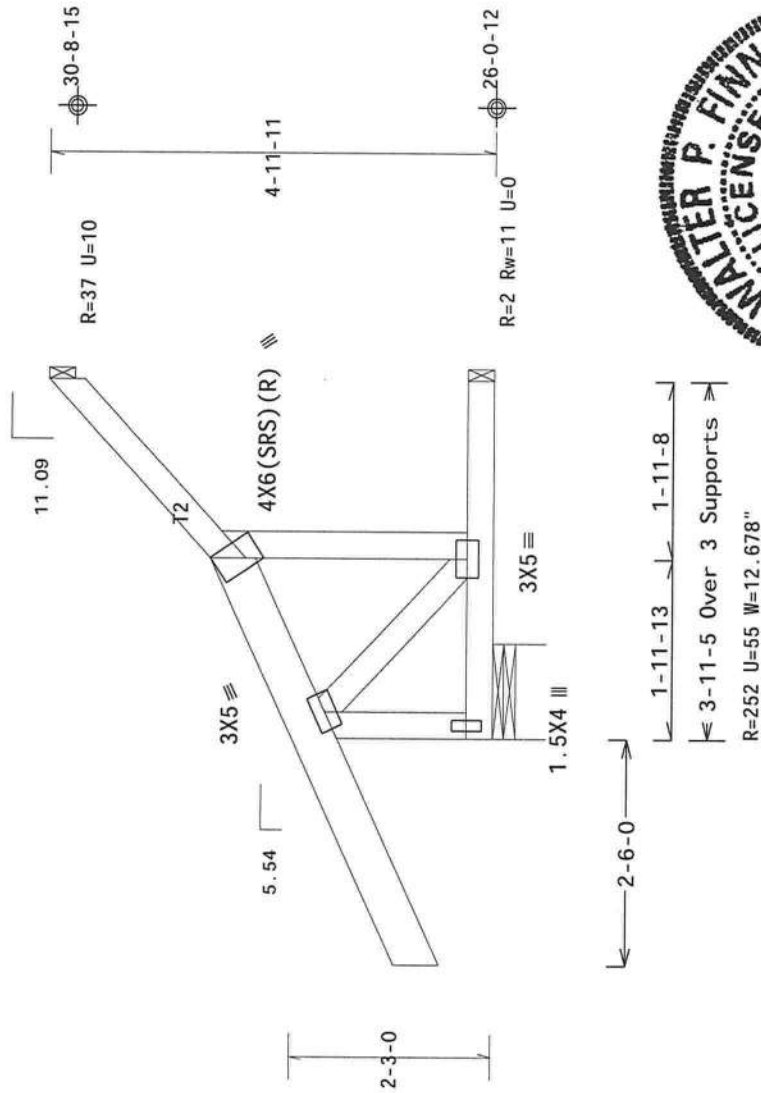
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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. GGpi (+/-)=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)

****IMPORTANT****

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

Transverse require extreme care in fabricating, handling, shipping, installing and bracing. Roll forming of colling sections shall be done in accordance with the following practices (including Component Structural, by TPI and WITCA for bracing) unless noted otherwise. Top chord shall have properly attached structural sheathing. Bottom chord shall have properly attached structural sheathing. All other chords shall have a properly attached rigid colling. Locations shown for permanent lateral restraint or bracing shall have bracing installed per BCSD sections B3, B7 or B10, as applicable.

[illegible]

ALPINE

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

12/19/2012

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

REF R9114- 87244

DATE 12/19/12

DRW HCUSR9114 12354159

HC-ENG SSB/WPE

NOES	205000
LINE	205000

FROM	CDV
-NHN3C	07

OUR FAC. 1.23

JREF - 1US59114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - HJ4)

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

120 mph wind, 28.37 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=5.0 psf. GCpi (+/-)=0.18

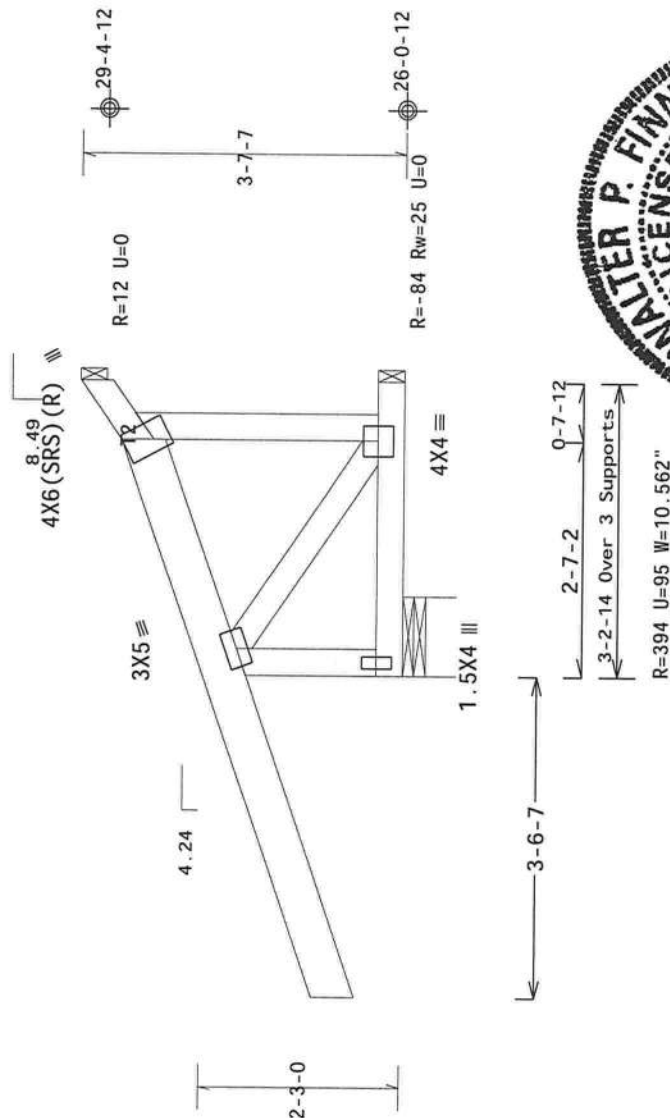
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Wind loads and reactions based on MWFRS.

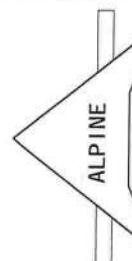
Left end vertical not exposed to wind pressure.

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



ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

Design Crit: FBC2010Res/TPI-2007(STP)

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

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. To avoid the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for connections 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 a properly attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBKG) shall be responsible for any deviation from this document. The user acknowledges that ITWBKG is not responsible for any failure to build the Truss in accordance with ANSI/TPI-1 for framing, shipping, installation or other details; unless noted otherwise. Apply plates to each face of truss and positioning as shown in drawings. Refer to drawings 160A-2 for standard plate positions. A truss 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: ITWBKG.com www.itwbkg.com TPI : www.tpiinst.org WTA: www.sbcindustries.com



12/19/2012

FL/-/5/-/-/R/-	Scale = 5"/Ft.
TC LL 20.0 PSF	REF R9114- 87245
TC DL 10.0 PSF	DATE 12/19/12
BC DL 10.0 PSF	DRW HCUSR9114 12354160
BC LL 0.0 PSF	HC-ENG SSB/WPF
TOT.LD. 40.0 PSF	SEQN- 285643
DUR.FAC. 1.25	FROM SDY
SPACING 24.0"	JREF- 1US59114Z05

Top chord 2x6 SP #1 Dense_12A :T2 2x4 SP #2_12A:

Bot chord 2x4 SP #2_12A
Webs 2x4 SP #2_12A

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

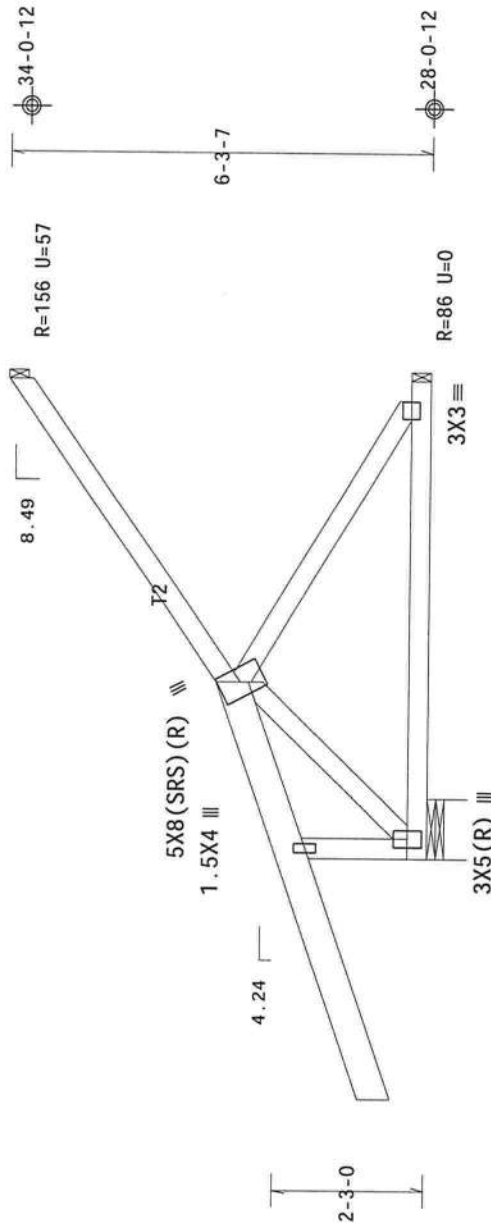
Left end vertical not exposed to wind pressure.

120 mph wind, 31.71 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=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

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.



3-6-7
2-7-2
4-5-0
7-0-2 Over 3 Supports
R=488 U=118 W=10.564"



Design Crit: FBC2010Res/TPI-2007(S10)
FT/RT=20%(0%)/10(0)

PLT TYP. Wave

Scale = .375"/Ft.

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF	R9114- 87246
TC DL	10.0 PSF		DATE	12/19/12
BC DL	10.0 PSF		DRW	HCUSR9114 12354161
BC LL	0.0 PSF		HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF		SEQN-	285644
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1US59114Z05

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.
Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) recommendations for bracing and detailing. Installers shall provide temporary bracing per BCSI recommendations. Trusses shall be properly attached rigid coupling. Locations shown for 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 and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing, unless noted otherwise, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - HJ5A)

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

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

120 mph wind, 32.32 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

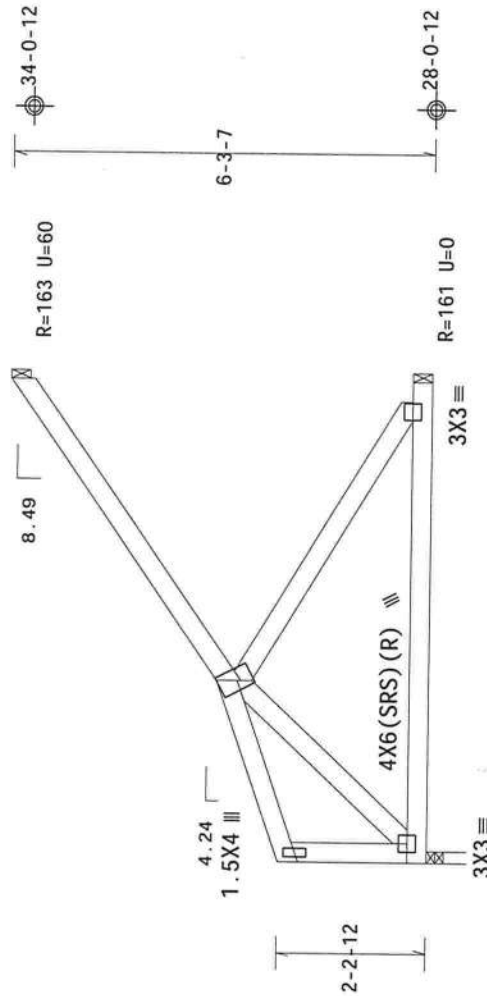
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

Hipjack supports 5-0-0 setback jacks with no webs.

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



2-7-14 4-5-0
7-0-14 Over 3 Supports
R=162 U=26 W=2.121"

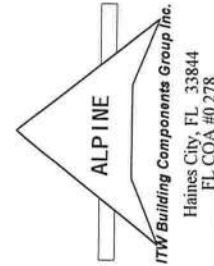


Design Crit: FBC2010Res/TPI-2007(ST)

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

FL/-5/-/-/R/- Scale = .375"/Ft.

PLT TYP. Wave



IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the truss manufacturer's instructions and the Building Component Safety Information, by TPI and WTCA. Refer to drawings 160A-2 for standard plate positions. A seal on this sheet shall have a properly attached rigid collar. Locations shown for permanent lateral restraint of trusses shall be 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, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint. Drawing or construction shall be used to indicate the location of the joint. The responsibility of the Building Designer for the design shall be maintained. This job is general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

12/19/2012

TC LL	20.0 PSF	REF	R9114- 87247
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354162
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285645
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

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

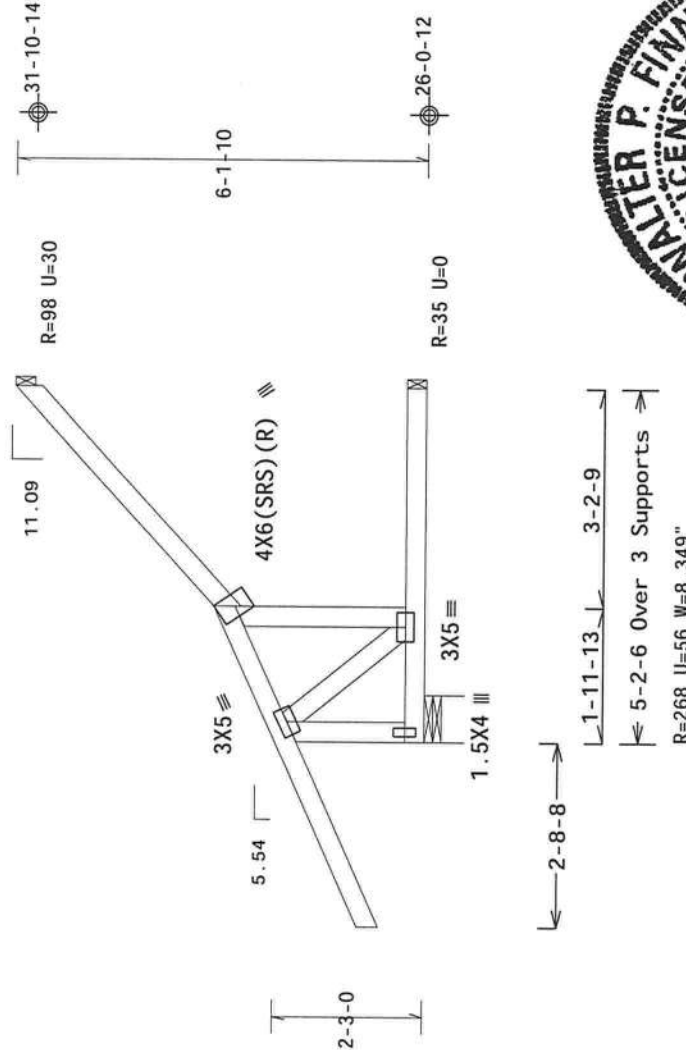
Left end vertical not exposed to wind pressure.

120 mph wind, 29.63 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 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.



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

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

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the edition of BCSI (Building Component Safety Information, by TPI and WTGA) for details. Unless noted otherwise, top chord shall have properly attached steel bracing. 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 100A-2 for standard plate positions. A seal on this drawing, indicates acceptance of professional engineering. The responsibility for the design and construction of this structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information, see the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WTGA: www.sbcindustry.com; ICC: www.iccinfo.org

PLT TYP. Wave

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- 87248
TC DL 10.0 PSF	DATE 12/19/12
BC DL 10.0 PSF	DRW HCUSR9114 12354163
BC LL 0.0 PSF	HC-ENG SSB/WPF
TOT.LD. 40.0 PSF	SEQN- 285646
DUR.FAC. 1.25	FROM SDY
SPACING 24.0"	JREF- 1US59114Z05

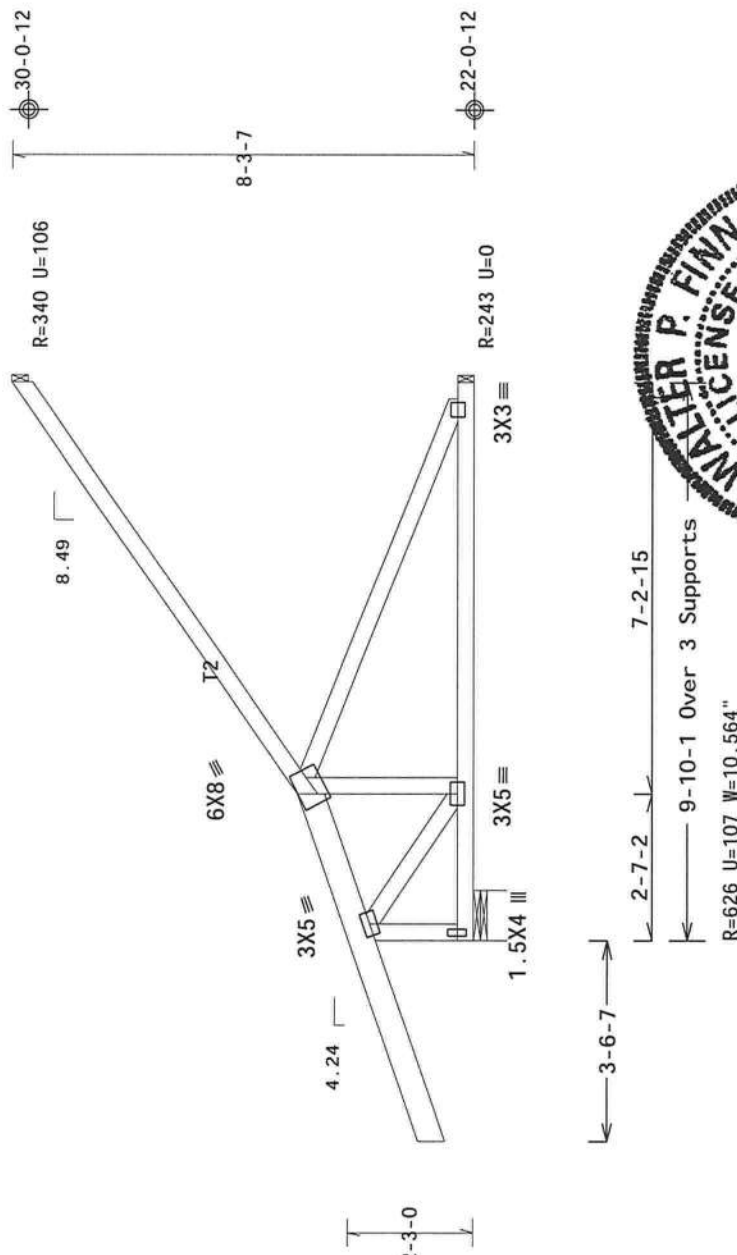
(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - HJ7)

120 mph wind, 26.71 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=5.0 psf. GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS.

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

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



PLT TYP. Wave

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

Scale = .3125"/Ft.

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

****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 BESI (Building Components Safety Information, by TPI and WIGA) for all details of design, fabrication, erection and bracing. Temporary bracing for all trusses shall have a minimum safety factor of 2.0. All bracing shall be attached to the truss web. Top chords shall have a properly attached lateral restraint or shall have bracing installed per BESI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (**TWBC**) shall be responsible for any deviation from this design. The manufacturer shall be responsible for providing all drawings, specifications, installation instructions, and material 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: This job's general notes page. TW-BCC: Building Designers; TPI: www.tpi.net; MTCA: www.sabcindustries.com;

ALPINE

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

12/19/2012

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

TTC LL	20.0 PSF	REF R9114- 87249
TTC DL	10.0 PSF	DATE 12/19/12
BC DL	10.0 PSF	DRW HCUR9114 12354164
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	40.0 PSF	SEQN- 285647
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1US59114Z05

(120912--Anderson Truss Co. --Patel Residence -- Lot 1 Hills Of Windsor , ** - HJ8)

Top chord 2x6 SP #1 Dense_12A :T2 2x4 SP_#2_12A:
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_12A

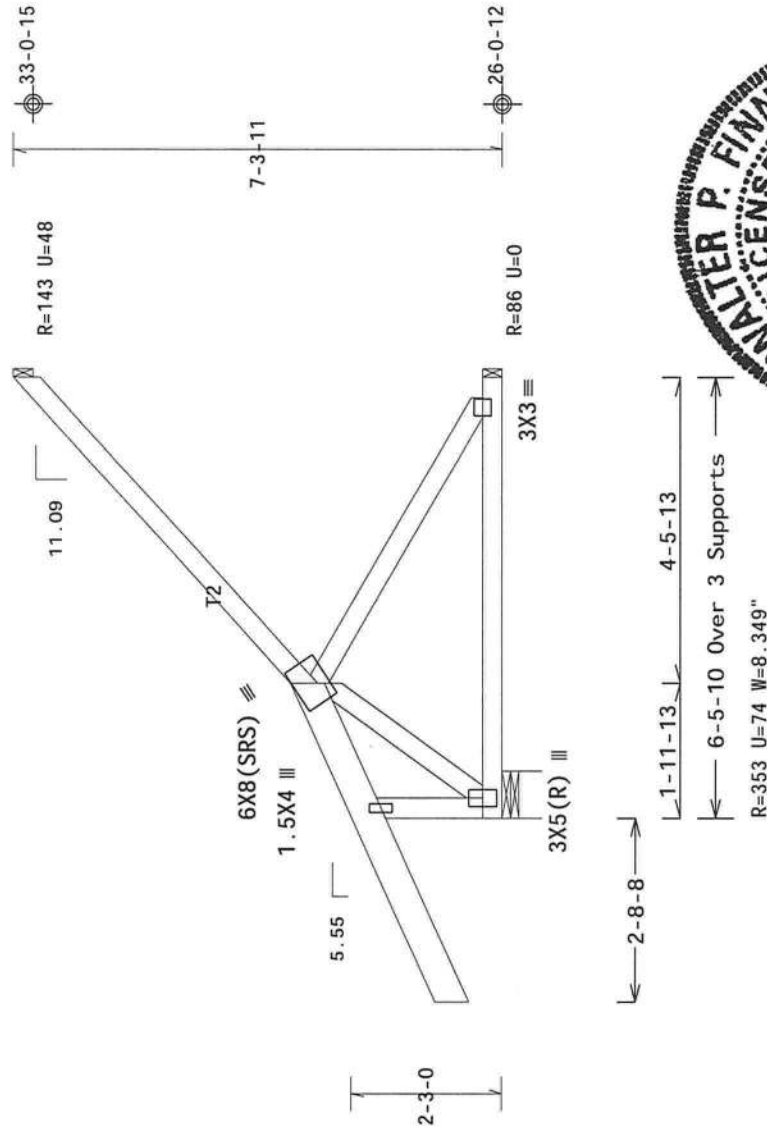
120 mph wind, 30.22 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.
Left end vertical not exposed to wind pressure.

Wind loads and reactions based on MWFRS.

Hipjack supports 4-6-14 setback jacks with no webs.

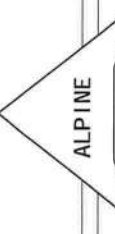
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



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

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .375"/Ft.
TC DL	10.0 PSF	REF R9114- 87250	
BC DL	10.0 PSF	DATE 12/19/12	
BC LL	0.0 PSF	DRW HCUSR9114 12354165	
TOT. LD.	40.0 PSF	HC-ENG SSB/WPF	
DUR. FAC.	1.25	SEQN- 285648	
SPACING	24.0"	FROM SDY	
		JREF- 1US59114Z05	

****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 WIGA) practices prior to performing these functions. Installers shall provide temporary bracing per WIGA-2004-2. 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. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or bracing of trusses, shall be the responsibility of the contractor. The contractor shall be responsible 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; WIGA: www.wigaindustry.com; ICC: www.iccsafe.org



ALPINE

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

PLT TYP. Wave

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor, ** - HJ9)

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

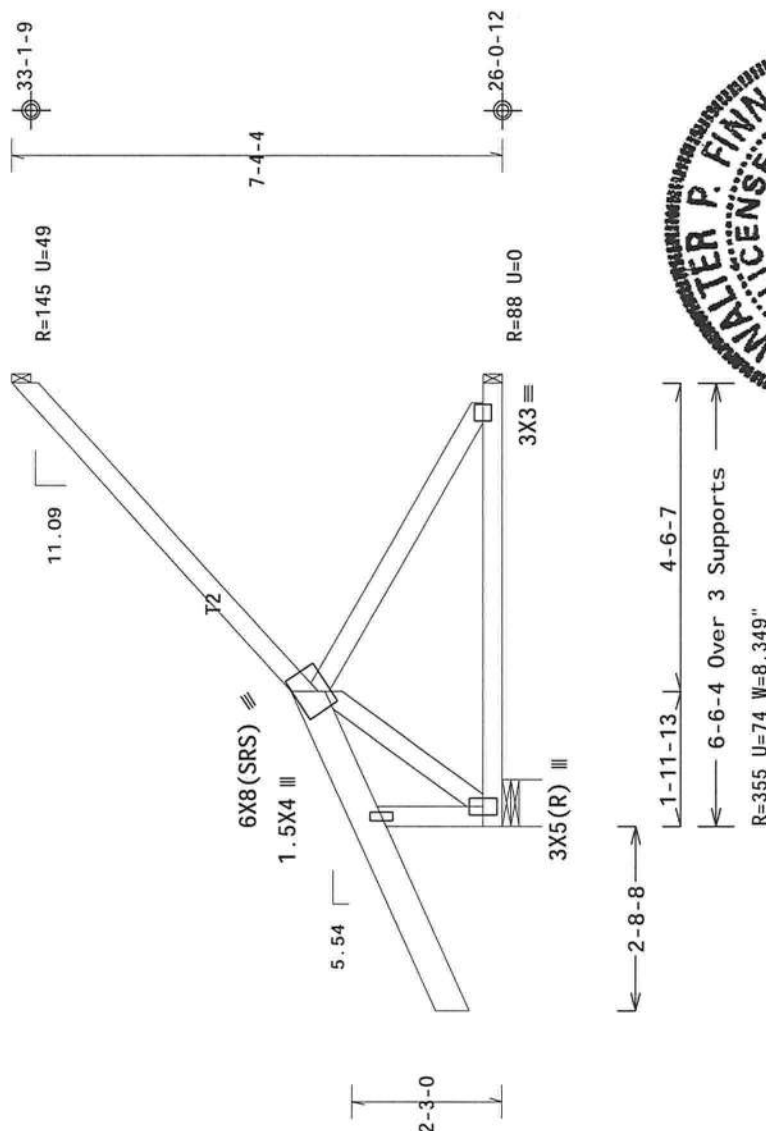
120 mph wind, 30.24 ft mean hgt. ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

Wind loads and reactions based on MWFRS:

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

FL/-/5/-/-/R/-
Scale = .375"/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. Read and follow the latest edition of BCSI (Building Component Safety Information), by TPI and WTCA for all truss practices prior to performing these functions. Installers shall provide temporary bracing per the design and specifications of the truss manufacturer. Trusses shall be braced with permanent lateral bracing or shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWBCO) shall not be responsible for any deviation from this design drawing. It will not be responsible for any deviations or omissions due to misinterpretation, incorrect detailing, tracing of details, unless otherwise stated. Apply plates to each face of studs and position as shown on the Joint Details. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per AISI/TPI-1 Sec.2. For more information see: This Job's Engineering Agreement. TWBCO: www.twbcogroup.com TPI: www.tpiinc.org WDA: www.sdsindustries.com. © 2007 ITW LEGAL TO 879

ALPINE

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

12/19/2012

DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

(120912--Anderson Truss Co. --Patel Residence -- Lot 1 Hills Of Windsor , ** - HJ10)

Top chord 2x6 SP #1 Dense_12A :T2 2x4 SP_#2_12A:
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_12A

120 mph wind, 30.24 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

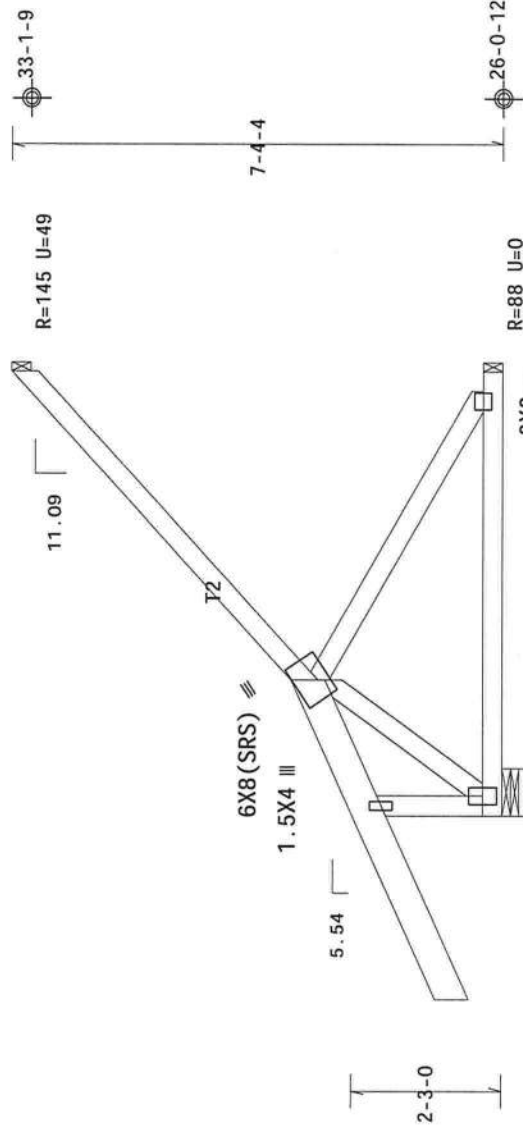
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

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.

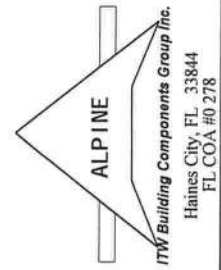


1-11-13
4-6-7
6-6-4 Over 3 Supports
R=355 U=74 W=8.349"



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.
****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) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
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 Drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.alcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .375"/Ft.
TC DL	10.0 PSF	REF R9114- 87252	
BC DL	10.0 PSF	DATE 12/19/12	
BC LL	0.0 PSF	DRW HCUSR9114 12354167	
TOT.LD.	40.0 PSF	HC-ENG SSB/WPF	
DUR.FAC.	1.25	SEQN- 285650	
SPACING	24.0"	FROM SDY	
		JREF- 1US59114Z05	

(120912--Anderson Truss Co. --Patel Residence -- Lot 1 Hills Of Windsor , ** - HJ11)

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

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

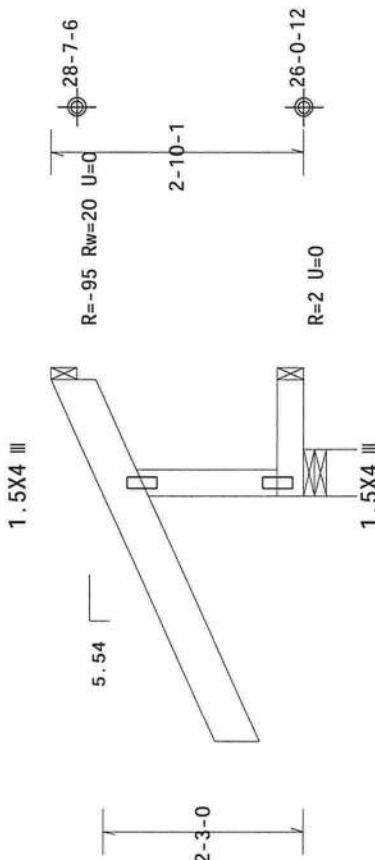
Left end vertical not exposed to wind pressure.

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

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

Scale = .5" /Ft.



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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing.
Failure to follow these instructions may result in structural failure and injury.
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
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 1004-2 for standard plate positions. A seal on this
drawing is required for the design to be used. The suitability and use of this design for any structure is
the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's
general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com;
ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R9114- 87253
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCSR9114 12354168
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285651
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

Top	chord	2x4	SP_#2	12A
Bot	chord	2x4	SP_#2	12A
	Webs	2x4	SP_#2	12A

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

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

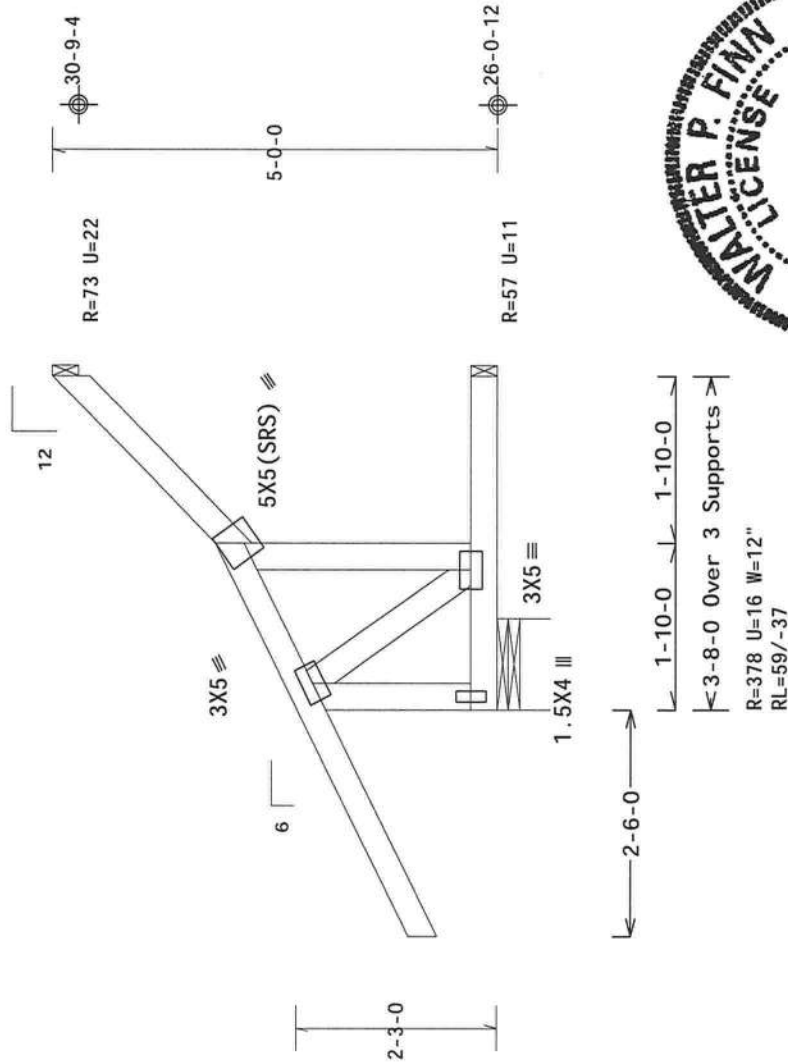
Wind loads and reactions based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

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 29.06 ft. from roof edge.



PLT TYP. Wave

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

TC LL	20.0	PSF	REF	R9114-	87254
TC DL	10.0	PSF	DATE	12/19/12	
BC DL	10.0	PSF	DRW	HCUSR9114	12354169
BC LL	0.0	PSF	HC-ENG	SSB/WPF	
TOT.LD.	40.0	PSF	SEQN-	285580	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1US59114Z05	

****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. Please follow the latest edition of BCSP (Building Component Safety Information, by TPI and WCA) practices noted to performing these functions. Installers shall provide temporary bracing per drawing and shall have a property attached structural sheathing and bottom chord 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. ITWBCG shall not be responsible for any handling, shipping, installation and bracing of trusses. Apply trusses in accordance with TPI and WCA information and drawings or cover page listing this drawing. Refer to drawings 100A-Z for standard place 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 drawing. ITWBCG: www.itwbcg.com, TPI: www.tpinet.org, WCA: www.sacindustry.com, ICC: www.icccargo.org

12/19/2012

STATE OF FLORIDA
PROFESSIONAL ENGINEER



ALPINE

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

(120912--Anderson Truss Co. --Patel Residence -- Lot 1 Hills Of Windsor , ** - EJ2)

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

120 mph wind, 30.23 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.

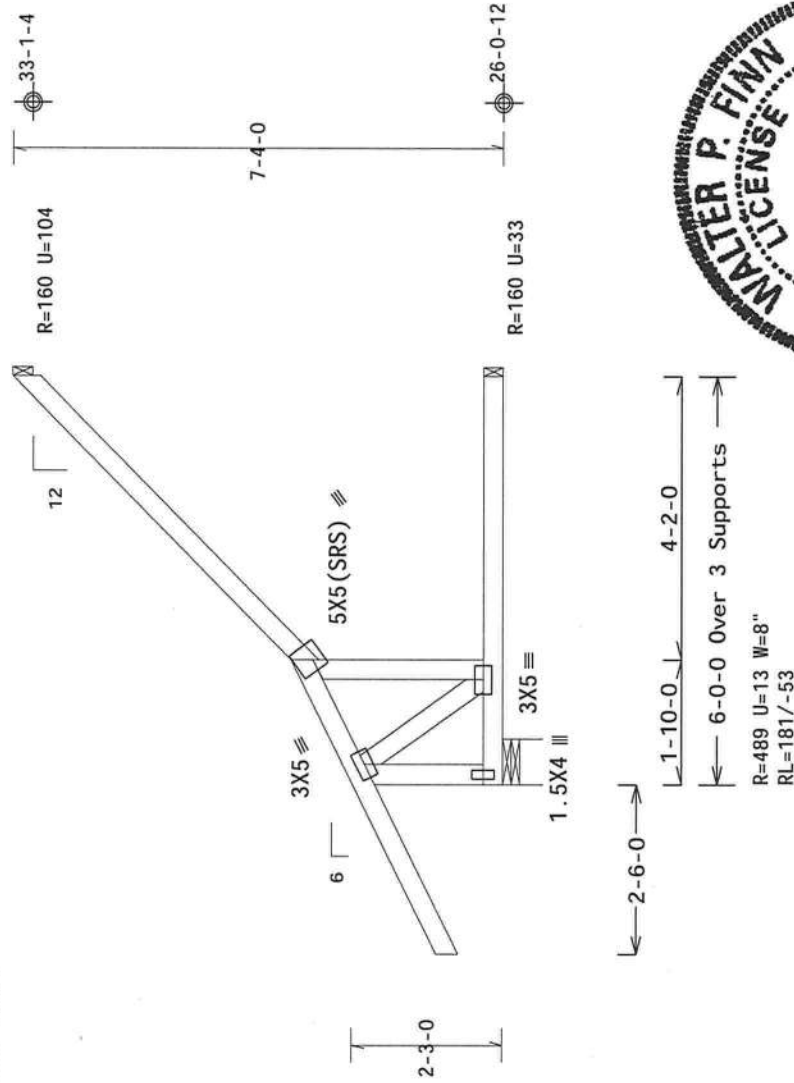
Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.13" due to live load and 0.15" due to dead load.

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

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

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



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(S1)
FT/RT=20%(0%)/10(0)

FL/-/5/-/-/R/- Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R9114- 87255
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354170
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285581
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05



****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 Components Safety Institute) Safety Manual practices prior to performing these functions. Installers shall provide temporary bracing per drawings unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 Bracing. Refer to drawings 100k-2 for standard plate positions. A seal on this drawing or cover page listing this disclaimer is required for the design to be valid. 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

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

(120912--Anderson Truss Co. --Patel Residence -- Lot 1 Hills Of Windsor , ** - EJ3)

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

120 mph wind, 31.11 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=5.0 psf. GCPI (+/-)=0.18

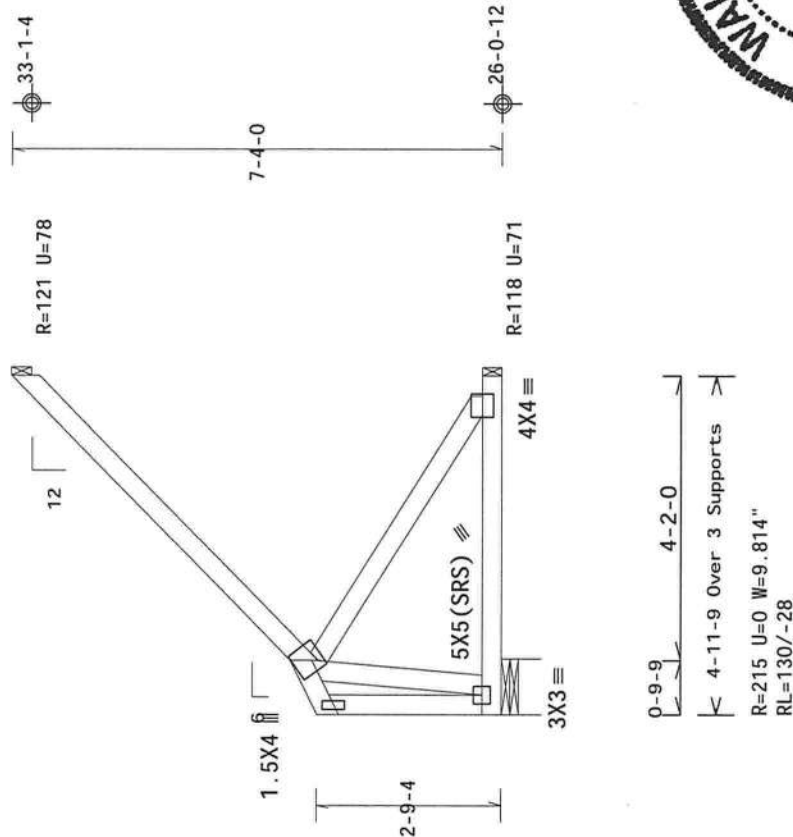
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left 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.



0-9-9 4-2-0
4-11-9 Over 3 Supports
R=215 U=0 W=9.814"
RL=130/-28



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

PLT TYP. Wave

FL/-5/-1-/R/- Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R9114- 87256
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354171
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285582
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

****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 WTC for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design 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 Bracing Diagram. Trusses shall be braced to ground at all supports and at intermediate points. A seal on this drawing or cover page listing this drawing number and the name of the designer is required for 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; WTC: www.wtcindustry.com; ICC: www.iccsafe.org

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

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor, ** - EJ4)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 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.

Left end vertical not exposed to wind pressure.

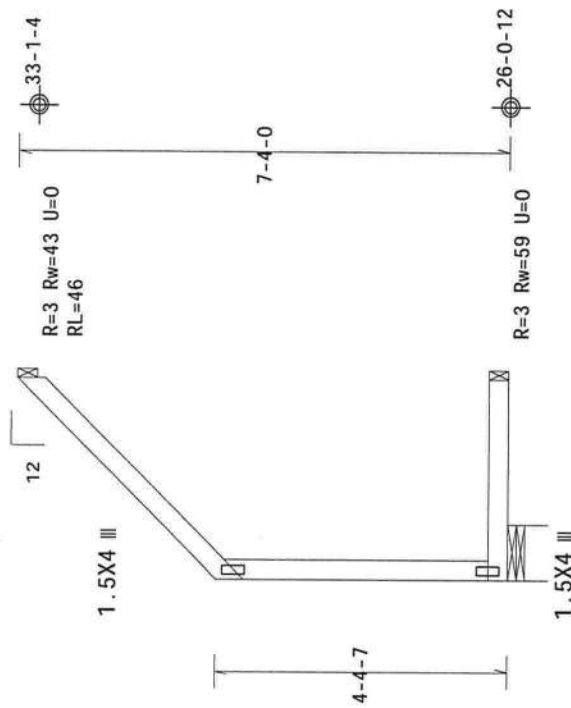
MWFRS loads based on trusses located at least 15.96 ft. from roof edge.

Special loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 2 plf at 0.00 to 2 plf at 2.96
BC- From 2 plf at 0.00 to 2 plf at 2.96

120 mph wind, 31.91 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

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.

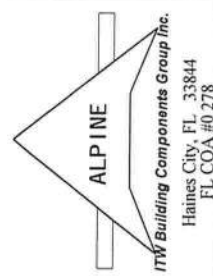


2-11-9 Over 3 Supports
R=6 Rw=101 U=15 W=9.814"



Design Crit: FBC2010Res/TPI-2007(SD)
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. Follow the latest edition of BCSI (Building Components Safety Institute) Trussing Practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details. Do not use any other drawings, specifications or standards for standard plate positions. A seal on this drawing or cover page listing this drawing and the name of the designer is required. 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

FL/-/5/-/-/R/-		Scale = .375"/Ft.	
TC LL	20.0 PSF	REF	R9114- 87257
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354172
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285583
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor, ** - EJ5)

	Top	chord	2x4	SP_#2	12A
	Bot	chord	2x4	SP_#2	12A
		webs	2x4	SP_#2	12A

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

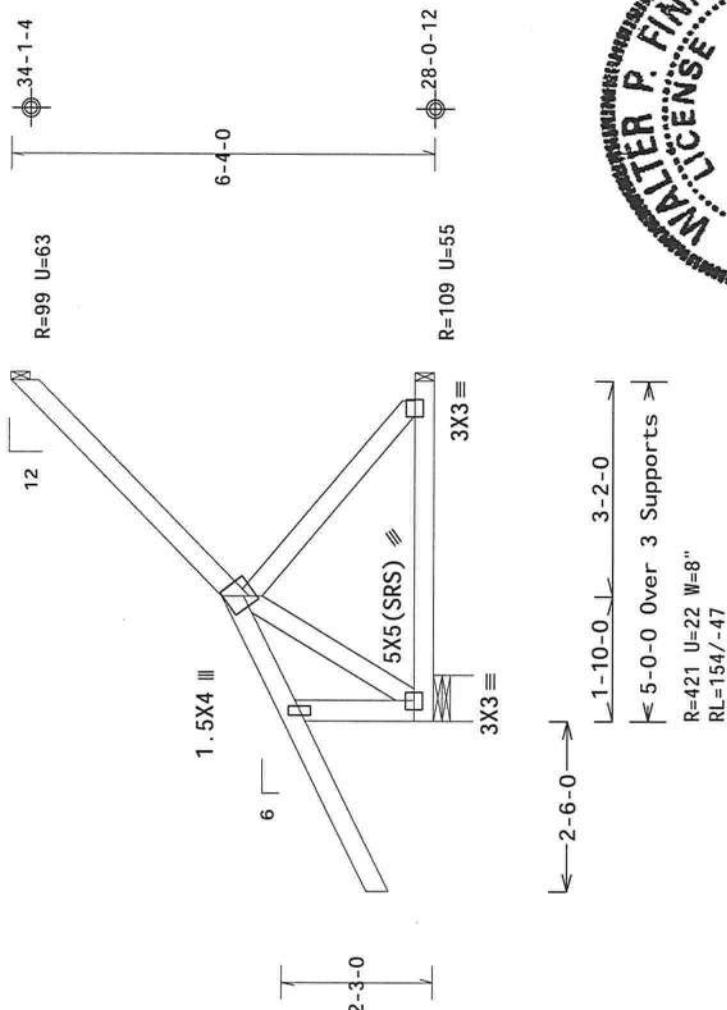
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left end vertical not exposed to wind pressure.

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: $\text{FBC2010Res}/\text{TP1}-2007(\text{STFT}/\text{RT}=20\%(0\%)/10(0))$ FL/-/5/-/-/R/-
Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R9114-	87258
TC DL	10.0	PSF	DATE	12/19/12	
BC DL	10.0	PSF	DRW	HCUSR9114	12354173
BC LL	0.0	PSF	HC-ENG	SSB/WPF	
TOT. LD.	40.0	PSF	SEQN-	285584	
DUR. FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1US59114Z05	

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCST (Building Component Safety Information), by TPI and WCA for complete instructions for erection and bracing.

If trusses are installed otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent restraint of trusses having bracing installed per BCST sections B3, B7 or B10, as applicable.

IITW Building Components Group Inc. (IWBGCO) shall not be responsible for any deviation from this document. Truss design and engineering shall remain the responsibility of the Designer.

Refer to drawings 1650A-Z for standard place positions. A seal on this drawing shall be required for all trusses and position as shown above and on the Joint.

Professional Engineer
State of Florida
12/19/2012

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

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor, ** - EJ6)

	Top	3ot	2x4	SP_#2	12A
	chord	chord	2x4	SP_#2	12A
			2x4	SP_#2	12A
			2x4	SP_#2	12A

120 mph wind, 29.42 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

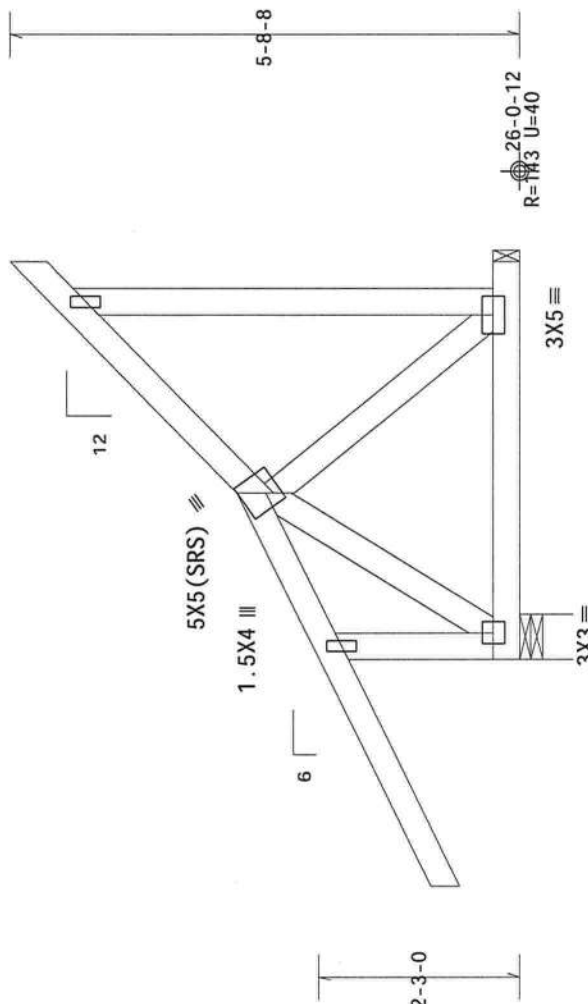
Wind loads and reactions based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

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.

WWFRS loads based on trusses located at least 14.71 ft. from roof edge.



2-6-0
 1-10-0
 2-6-8
 4-4-8 Over 2 Supports
 R=399 U=23 W=6"
 RL=72/-42

PLT TYP. Wave

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

TC LL	20.0	PSF	REF R9114-	87259
TC DL	10.0	PSF	DATE	12/19/12
BC DL	10.0	PSF	DRW	HCU9R114 12354174
BC LL	0.0	PSF	HC-ENG	SSB/WPF
TOT. LD.	40.0	PSF	SEQN-	285585
DUR. FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1US59114Z05

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. The trusses and components are designed to be handled by lifting equipment only. The contractor is responsible for providing temporary bracing for the trusses during erection. The installer shall provide temporary bracing for the trusses until they have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the trusses shall have bracing installed per BCS! sections B3, B7 or B10, as applicable.

****IMPORTANT****

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 & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details. Unuses 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 user of this design for any structure is responsible for obtaining the necessary permits. See ANSI/TPI 1-2 for details. This job's general notes apply. ITW-BGS: www.itwbcg.com, TPI: www.tpinet.org, WTCA: www.wtcaafe.org, www.1ccsaafe.org

ALPINE

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

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - EJ7)

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

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

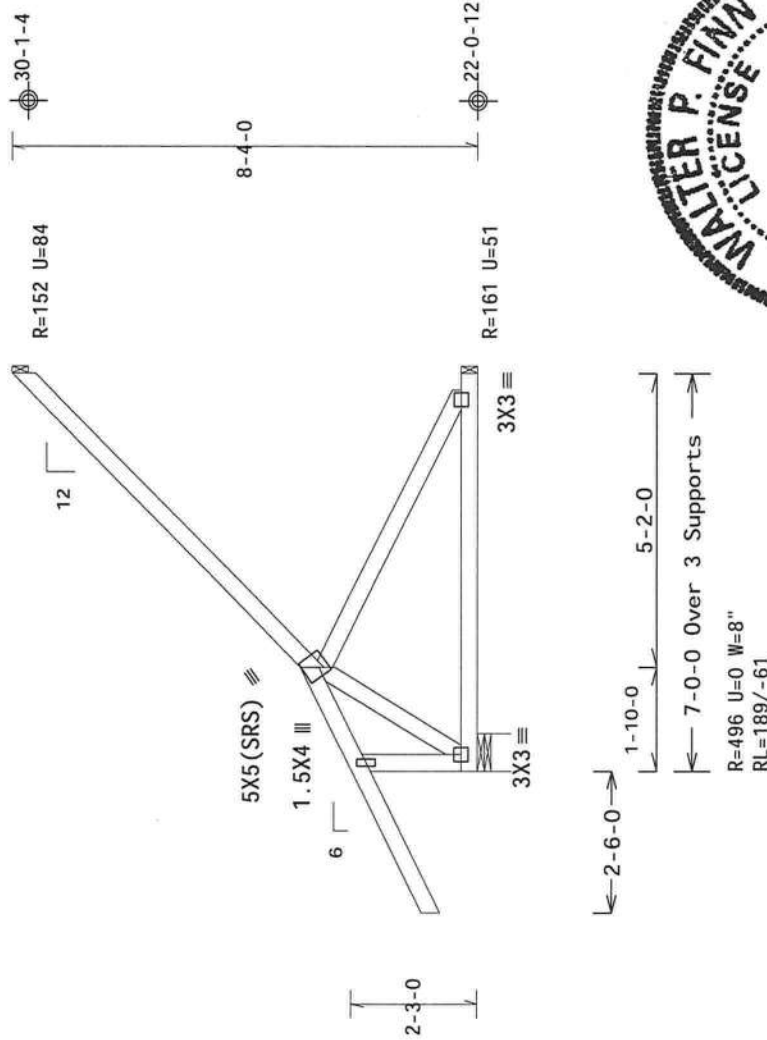
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left end vertical not exposed to wind pressure.

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

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R9114- 87260
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354144
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285586
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

ALPINE

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

WALTER P. FIANN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/19/2012

****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 WCA for practices prior to performing these functions. Installers shall provide temporary bracing per WCA 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 Drawing. This drawing is the property of ITWBCG and shall not be reproduced, copied, or used in any drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.alcindustry.com; ICC: www.iccsafe.org

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - EJ7A)

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

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

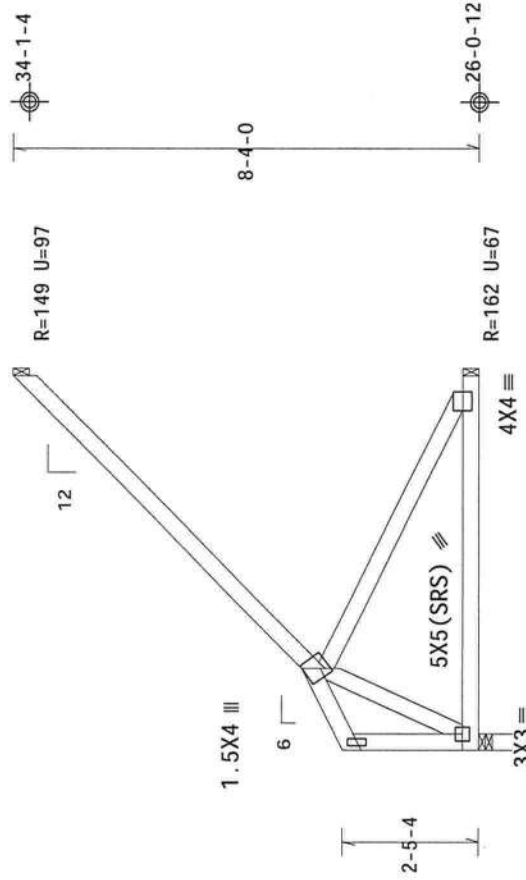
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left 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.



1-5-8 5-2-0 6-7-8 Over 3 Supports
R=285 U=0 W=3.5"
RL=170/-35

PLT TYP. Wave

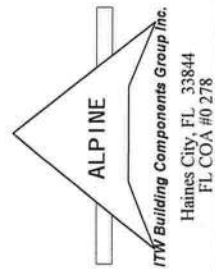
Design Crit: FBC2010Res/TPI-2007(ST) FT/RT=20%(0%)/10(0)

FL/-5/-/-R/- Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R9114- 87261
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354145
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	40.0 PSF	SEQN-	285587
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05



****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) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of the truss. For each face of truss and position as shown above and on the Joint Detailing 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, WCA: www.wcaindustry.com; ICC: www.iccsafe.org



(120912--Anderson Truss Co. --Patel Residence -- Lot 1 Hills Of Windsor , ** - EJ7B)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

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

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

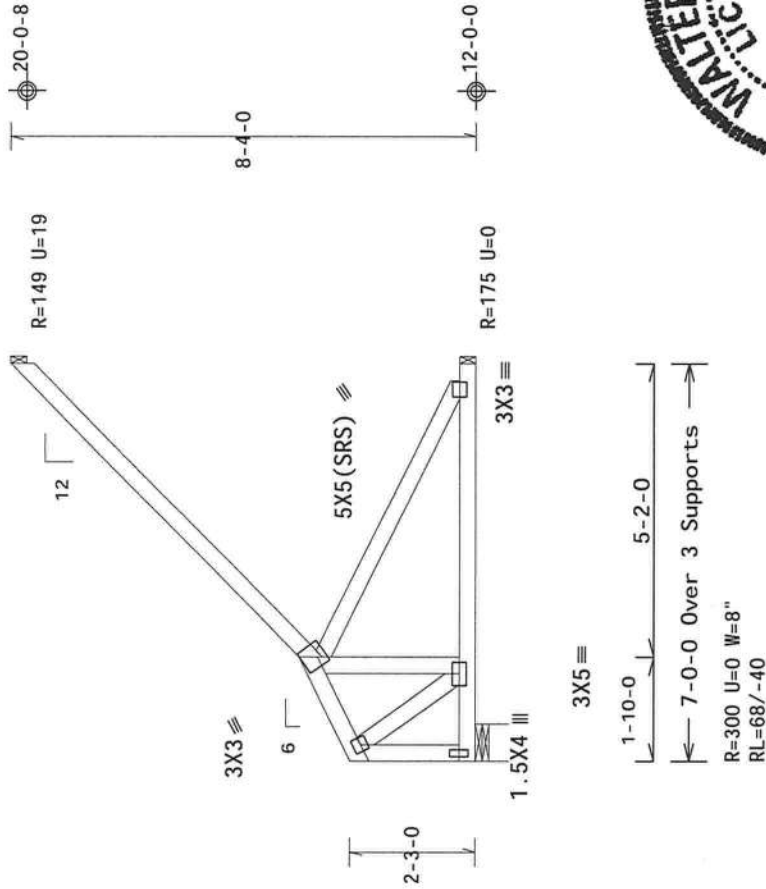
Wind loads and reactions based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

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 17.29 ft. from roof edge.



PLT TYP. Wave

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

FL/-/5/-/-/R/- Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R9114- 87262
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354146
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285659
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1U559114Z05

ALPINE

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

WALTER P. FINN
LICENSE
No. 22839
12/19/2012
STATE OF FLORIDA
PROFESSIONAL ENGINEER

****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 WCA) for practices prior to performing these functions. Installers shall provide temporary bracing per WCA. 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 Bracing Diagram. The truss manufacturer shall be responsible for the design and installation of the truss. The responsibility of the Building Designer for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.alcindustry.com; ICC: www.iccsafe.org

(120912--Anderson Truss Co. -- Lot 1 Hills Of Windsor , ** - CJ1)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

Negative reaction(s) of -177# MAX. (See below) from a non-wind load case requires uplift connection.

120 mph wind, 23.94 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.

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

Left end vertical not exposed to wind pressure.

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

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

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

PLT TYP. Wave

Scale = .5" / Ft.

REF R9114- 87263

DATE 12/19/12

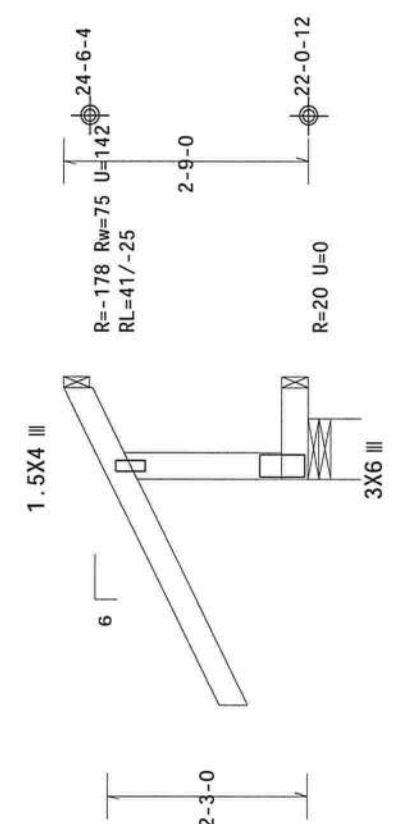
DRW HCUSR9114 12354101

HC-ENG SSB/WPF

SEQN- 285588

FROM SDY

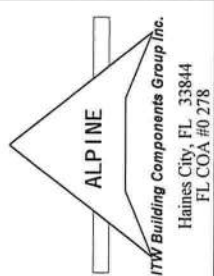
JREF- 1U559114Z05



****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. All trusses shall be installed in accordance with the manufacturer's instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing or trusses. Apply places to each face of truss and position as shown above and on the Joint Details, unless noted otherwise refer to drawings 1600-2 for standard plate positions. A seal on this design shall be required for all trusses. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org



(120912--Anderson Truss Co. --Patel Residence -- Lot 1 Hills Of Windsor , ** - CJ1A)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

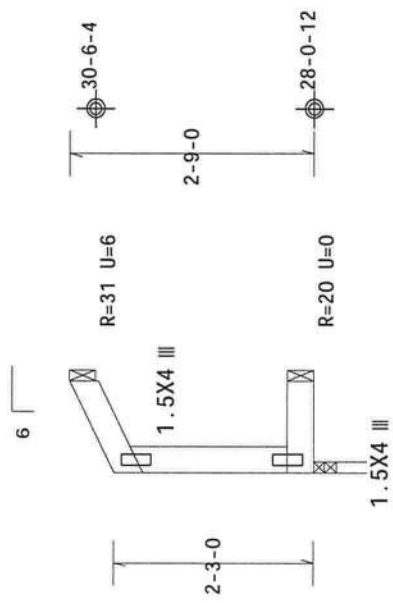
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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.

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

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



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

PLT TYP. Wave

Scale = .5" / Ft.	
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"
REF	R9114- 87264
DATE	12/19/12
DRW	HCUSR9114 12354102
HC-ENG	SSB/WPF
SEQN-	285589
FROM	SDY
JREF-	1US59114Z05

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) for practices prior to performing these functions. Installers shall provide temporary bracing for all trusses unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint 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 Bracing Diagram. This drawing is the property of ITWBCG and is not to be reproduced without the written permission of ITWBCG. 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; WCA: www.alcindustry.com; ICC: www.iccsaifro.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, 28.86 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. $G\text{Cpi} (+/-) = 0.18$

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

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

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

TC LL	20.0	PSF	REF	R9114-	87265
TC DL	10.0	PSF	DATE	12/19/12	
BC DL	10.0	PSF	DRW	HCUSR9114	12354103
BC LL	0.0	PSF	HC-ENG	SSB/WPF	
TOT.LD.	40.0	PSF	SEQN-	285590	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1US59114Z05	



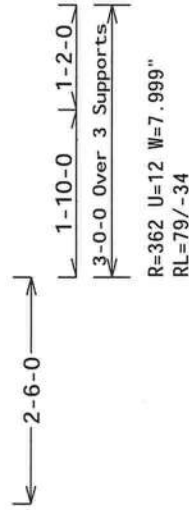
ALPINE

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

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. 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.

Design Crit: FBC2010Res/TPI-2007(STD
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.**

Trouses require extreme care in fabricating, handling, shipping, installing and bracing. For instructions on proper use of the Trouser Beams (including components) by TPI and WCA for various applications, please refer to the Trouser Beam Installation Manual. The following practices prior to performing these tasks will help ensure proper installation and use. 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 wall shall have bracing installed per B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. The manufacturer shall be responsible for any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint. Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see ITWBCG's Building Designer Package (BID-Pkg. Sec. 2). For more information see: <http://www.itwbcg.com> ITWBCG's marketing code: TPI: wcpntrpnet.org. WBCG: wbcg-usa.net/indus.html. www.icsesa.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

Scale = .5"/Ft.

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

REF R9114- 87266

DATE	12/19/12
------	----------

DATE	7/16/71
DOWN	

DRW HCUSR9114 1235410

HC-ENG SSB/WPF

SEQN- 285591

FROM SDY

FROM	CD
IDEE	11ISE011470E

REF - 10339114203

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - CJ3A)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

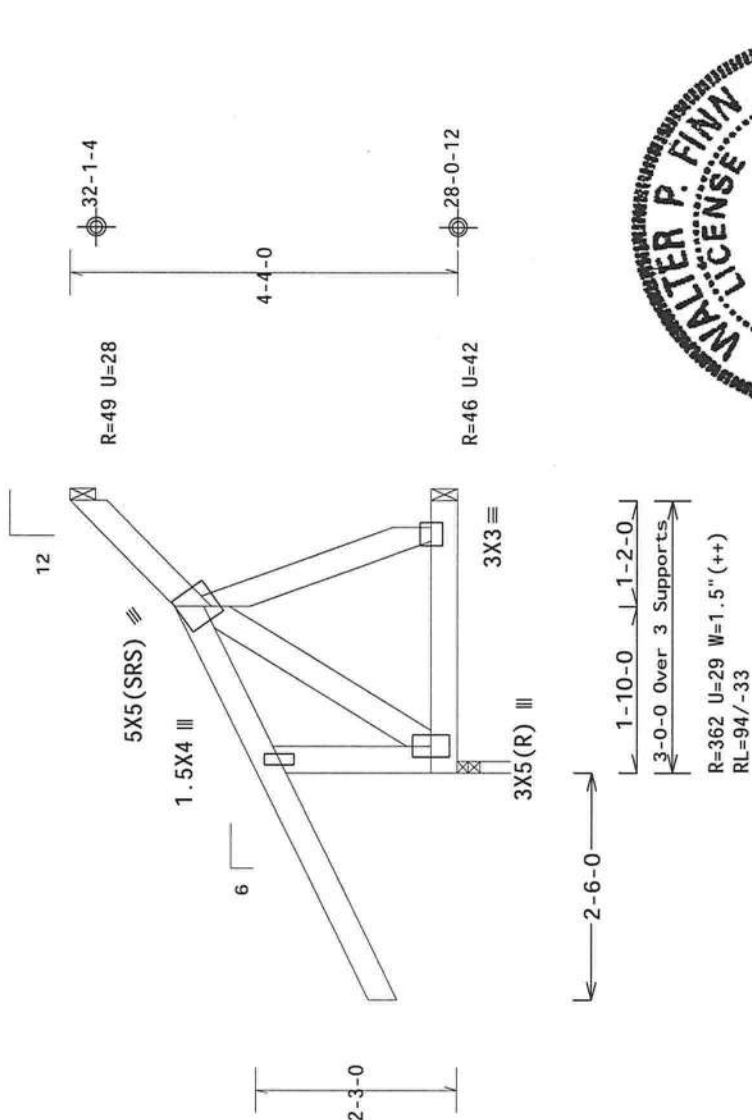
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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.

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

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



Design Crit: FBC2010Res/TPI-2007(S10)
FT/RT=20%(0%)/10(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
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing.
Follow the latest edition of BCS1 (Building Component Safety Information, by TPI and WTCA) for
proper installation and bracing. The truss manufacturer shall be responsible for the
truss design and the building designer shall be responsible for the building design.
Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom
chord shall have bracing installed per BCS1 sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
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 cover page indicating 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; WTCA: www.sbcindustry.com;
ICC: www.iccsafe.org

Scale = .5" / Ft.

FL / - / 5 / - / - / R / -	REF	R9114- 87267
TC LL	20.0 PSF	DATE
TC DL	10.0 PSF	12/19/12
BC DL	10.0 PSF	DRW HCUR9114 12354105
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	40.0 PSF	SEQN- 285592
DUR.FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1US59114Z05

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

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

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

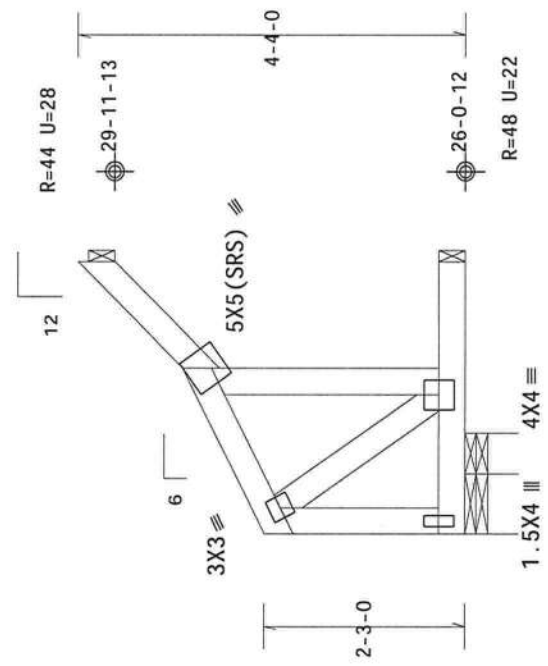
Left end vertical not exposed to wind pressure.

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

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

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

Shim all supports to solid bearing.



R=125 U=62 W=5.5"

1-10-0
3-0-0 Over 4 Supports
R=39 Rw=93 U=8 W=8"
RL=55

Design Crit: FBC2010Res/TPI-2007(SB)

PLT TYP. Wave

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

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

TC LL	20.0 PSF	REF	R9114- 87268
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354106
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	40.0 PSF	SEQN-	285593
DUR. FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05



****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 proper practices prior to erection. Trusses are designed for specific conditions and loads. 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 160A-2 for standard plate positions. A seal on this drawing is required for the design shop. The suitability and use of this design for structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WTC: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - CJ4)

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 12A

120 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

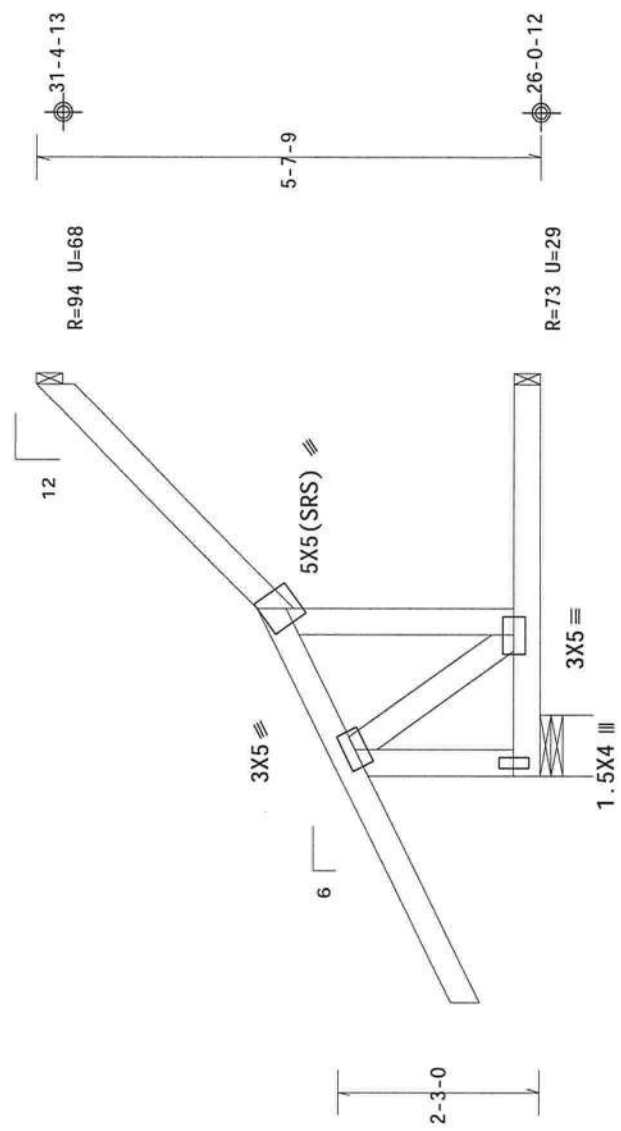
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left 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.



1-10-0 2-5-9
4-3-9 Over 3 Supports
R=397 U=12 W=8"
RL=129/-42

Design Crit: FBC2010Res/TPI-2007(ST) FT/RT=20%(0%)/10(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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for details and instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall be installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this 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 is required for this drawing to be used for construction. 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.tpi.net.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

FL/-/5/-/-/R/-	Scale = .5" /Ft.
TC LL 20.0 PSF	REF R9114- 87269
TC DL 10.0 PSF	DATE 12/19/12
BC DL 10.0 PSF	DRW HCUSR9114 12354107
BC LL 0.0 PSF	HC-ENG SSB/WPF
TOT.LD. 40.0 PSF	SEQN- 285594
DUR.FAC. 1.25	FROM SDY
SPACING 24.0"	JREF- 1US59114Z05

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

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

120 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

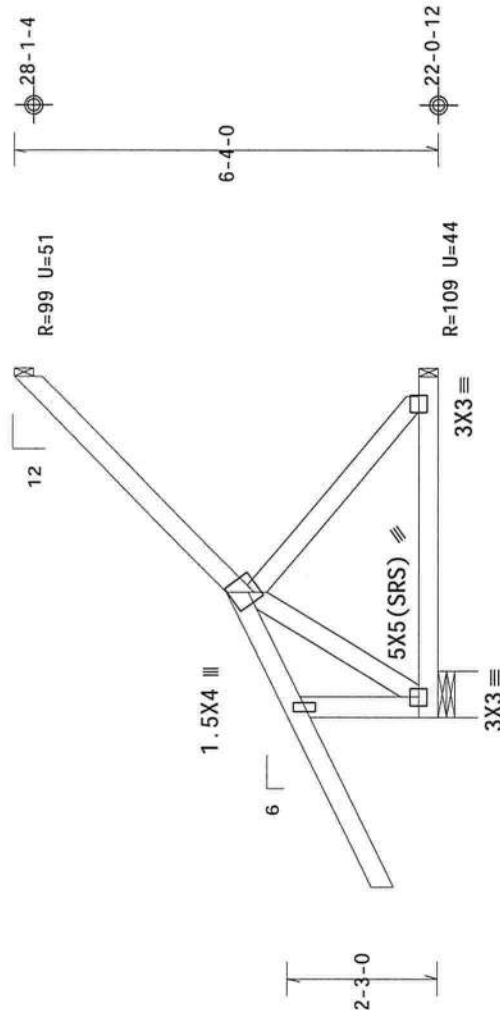
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left 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.



1-10-0 3-2-0
5-0-0 Over 3 Supports
R=421 U=12 W=8"
RL=132/-48



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

PLT TYP. Wave

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

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

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

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & 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 responsibility of the Building Designer for this 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-int.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

Scale = .375"/Ft.

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF	R9114- 87270
TC DL	10.0 PSF		DATE	12/19/12
BC DL	10.0 PSF		DRW	HCUSR9114 12354108
BC LL	0.0 PSF		HC-ENG	SSB/WPF
TOT. LD.	40.0 PSF		SEQN-	285595
DUR. FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1US59114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - CJ5A)

Top chord 2x4 SP_#2_12A
Bot chord 2x4 SP_#2_12A
Webs 2x4 SP_#2_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, GCpi(+/-)=0.18

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

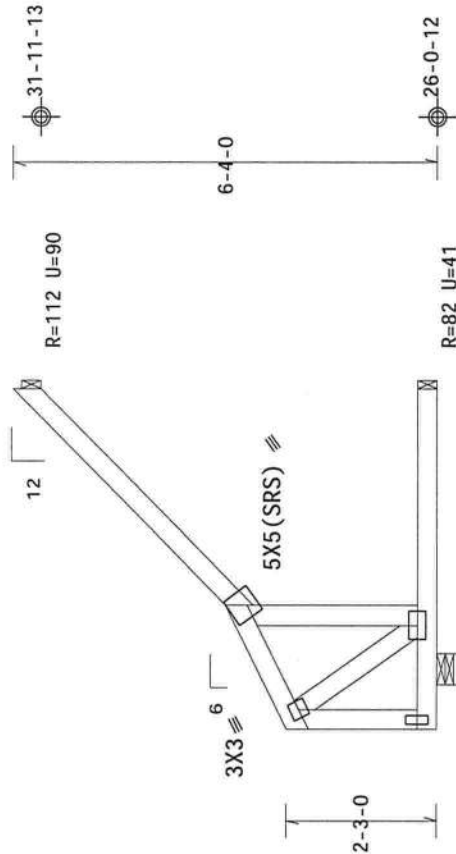
Wind loads and reactions based on MWFRS with additional C&C member design.

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



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

PLT TYP. Wave

ALP INE
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, installation and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for proper erection and bracing. Trusses shall be erected and braced in accordance with the instructions provided. 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 indicates acceptance of professional engineering. The responsibility for the structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTC: www.alcrae.org
IDC: www.alcrae.org

Scale = .375"/Ft.

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF	R9114- 87271
TC DL	10.0 PSF		DATE	12/19/12
BC DL	10.0 PSF		DRW	HCUSR9114 12354109
BC LL	0.0 PSF		HC-ENG	SSB/WPF
TOT. LD.	40.0 PSF		SEQN-	285596
DUR. FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1US59114Z05

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor , ** - CJ6)

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

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

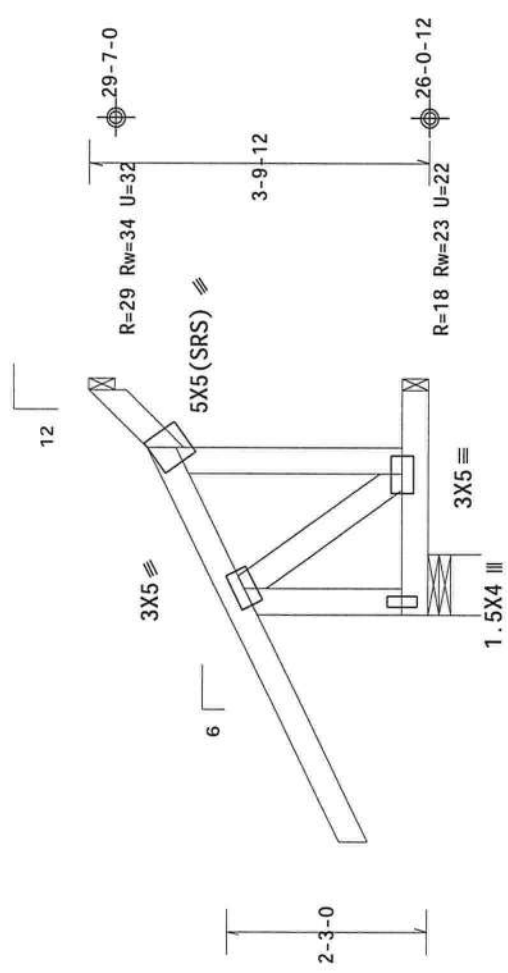
120 mph wind, 28.47 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

Left end vertical not exposed to wind pressure.

Special loads
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 pif at -2.50 to 62 pif at 0.00
TC- From 2 pif at 0.00 to 2 pif at 1.83
TC- From 0 pif at 1.83 to 68 pif at 4.33
BC- From 0 pif at -2.50 to 4 pif at 0.00
BC- From 2 pif at 0.00 to 2 pif at 2.48

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.



2-6-0
1-10-0 0-7-12
2-15-12 Over 3 Supports
R=179 Rw=198 U=26 W=8"
RL=75/-30



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 #0278

FL/-5/-/-R/-		Scale = .5"/Ft.	
TC LL	20.0 PSF	REF	R9114- 872
TC DL	10.0 PSF	DATE	12/19/1
BC DL	10.0 PSF	DRW	HCUSR9114 1235
BC LL	0.0 PSF	HC-ENG SSB/WPF	
TOT.LD.	40.0 PSF	SEQN-	285597
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for practices prior to performing these functions. Installers shall provide temporary bracing per details shown on this drawing. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
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 erection of the truss. The user of this design shall be responsible for obtaining all necessary permits and approvals. Refer to drawings 180A-2 for standard plate details. A note 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; WTCA: www.sbcindustry.com; ICSI: www.icsiinc.org

12/19/2012

Top	chord	2x4	SP_#2	12A
Bot	chord	2x4	SP_#2	12A
	webs	2x4	SP_#2	12A

1120 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

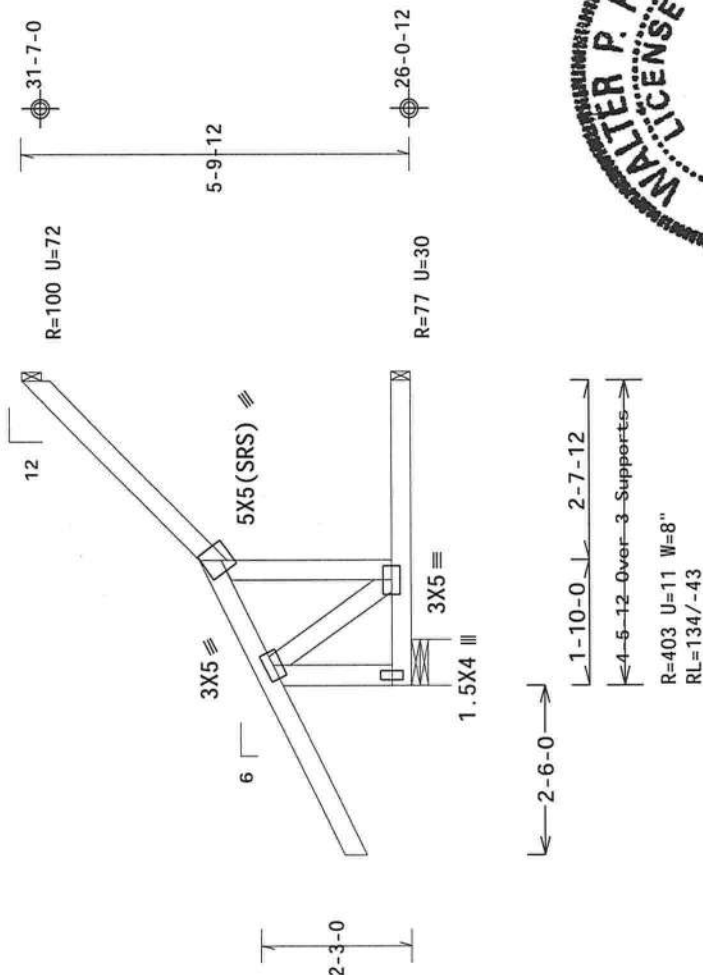
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left 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.



PLT TYP. Wave

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

FL/-/5/-/-/R/-
Scale = .375"/Ft.

TC LL	20.0 PSF	REF R9114- 87273
TC DL	10.0 PSF	DATE 12/19/12
BC DL	10.0 PSF	DRW HCUSR9114 12354111
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT. LD.	40.0 PSF	SEQN- 285598
DUR. FAC.	1.25	FROM SDY
SPACING	24.0"	JREF- 1US59114Z05

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

[illegible]

ITW Building Components Group Inc. (TWBCO) shall not be responsible for any deviation from this design or any related information used by anyone other than TWBCO. The user of this drawing is advised that it is their responsibility to build to code and to verify all dimensions, details, materials, tolerances, and finish. Apply places to each face of parts and position as shown above and on the Joint ANSI TPI standard otherwise. Refer to drawings 180A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-Building.com; www.itwbcogroup.com; TPI : wapi@tpi.net; MTCL : www.sdc-industries.com;



ALPINE

ITW Building Components Group Inc.

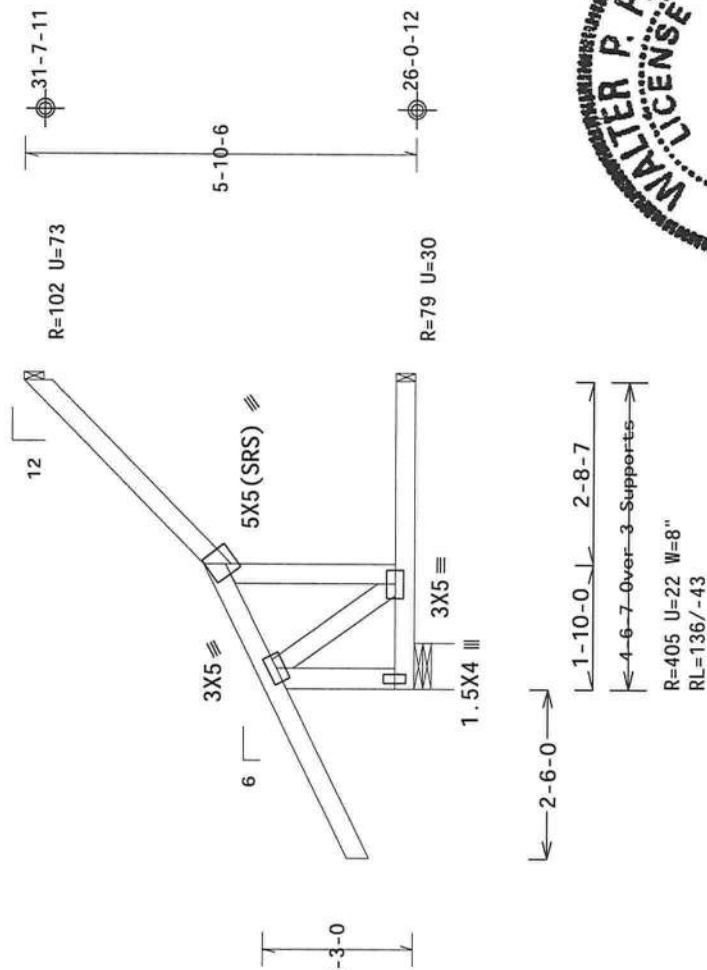
Haines City, FL 33844
FL COA #0 278

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

120 mph wind. 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

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: FBC2010Res/TPI-2007(STP)

★0:03.16. ~~23.70~~

FL/-/5/-/-/R/-
Scale = .375"/Ft.

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

IMPORTANT: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) information, by TPI and WCA for the proper bracing techniques prior to performing these functions. Installers shall provide temporary bracing per BCSI and WCA. Trusses shall have a property attached to show 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. (**TWBC**) shall be responsible for any deviation from this design drawing or cover page listing this drawing. The responsibility of the designer for the design and engineering of the product shall remain with ANSIP/TPI. The responsibility of the manufacturer for the manufacturing process shall remain with ITW/BCC. 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 ANSIP/TPI Sec.2. For more information see: This job's details pages. TW-BCC: www.tlworld.com; TPI: www.tpinet.org; WDC: www.sbcindustry.com; IFC: www.ifcinc.com

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

12/19/2012

TOT.LD. 40.0 |

SEQN- 21

35599

35599

SPACING 24.0"

JREF- 1115

591147

59114705

(120912--Anderson Truss Co. -Patel Residence -- Lot 1 Hills Of Windsor, ** - CJ9)

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

120 mph wind, 29.49 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

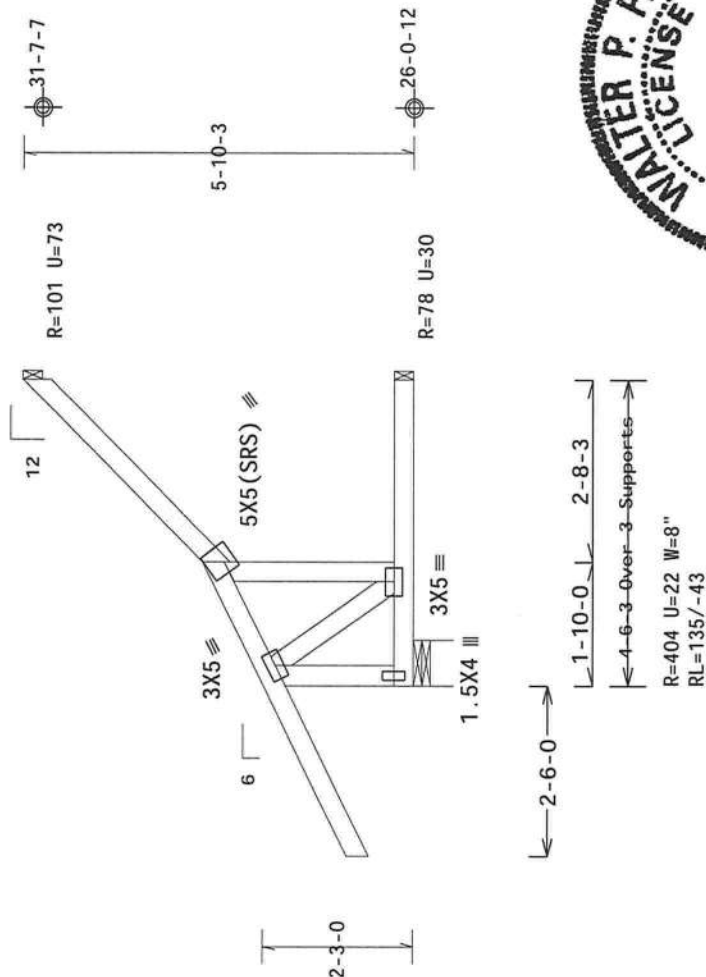
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left 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.



PLT TYP. Wave

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

FL/-/5/-/-/R/-
Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R9114-	87275
TC DL	10.0	PSF	DATE	12/19/12	
BC DL	10.0	PSF	DRW	HCUSR9114	12354113
BC LL	0.0	PSF	HC-ENG	SSB/WPF	
TOT.LD.	40.0	PSF	SEQN-	285600	
DUR.FAC.	1.25		FROM	SDY	
SPACING	24.0"		JREF-	1US59114Z05	

****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 BCST (Building Component Safety Information, by TPI and WTC) for instructions and details for proper bracing. Truss fabricators shall provide temporary bracing per the manufacturer's instructions prior to performing these functions. Installers shall properly attached structural sheathing and bottom chord shall have a property attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall have bracing installed per BCST sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCC) shall be responsible for any duration from this date until the time of final payment by the building owner. ITWBCC shall be responsible for any delay or failure to build the truss in conformance with ANSI/TPI 1 for buildings supported on the joint. ITWBCC shall be responsible for the design and construction of the steel deck, joists and girders. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: General notes page: ITW-BGC; www.itwbcg.com; TPI: www.tpi.net; WTC: www.sbc-industrial.com;

ALPINE

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

7107/61/71

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

Top chord 2x4 SP #2 12A
Bot chord 2x4 SP #2 12A
Webs 2x4 SP #2 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

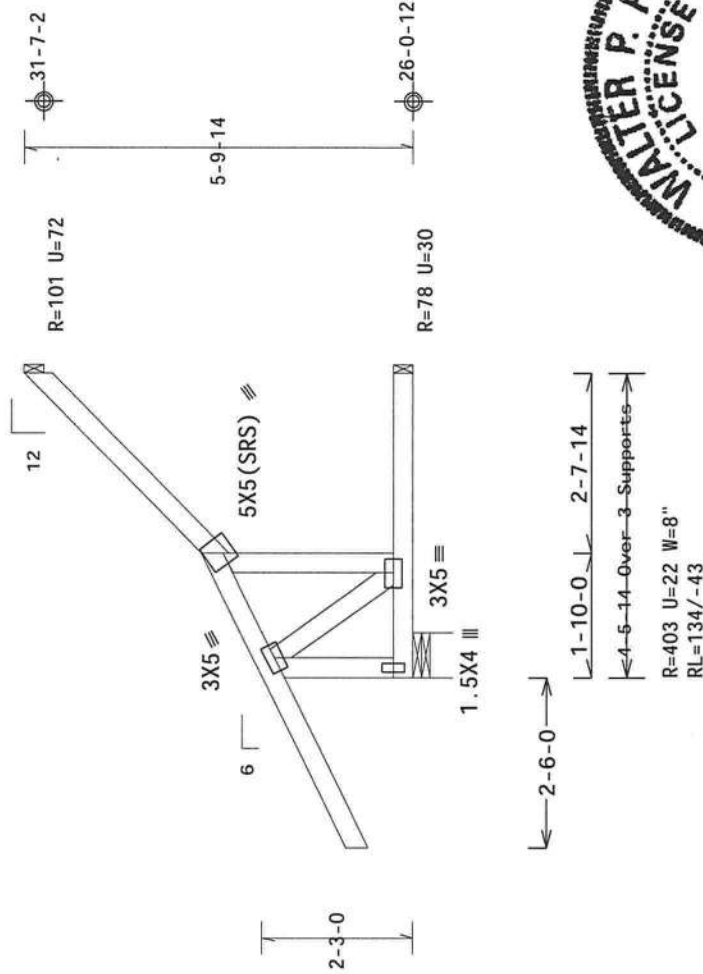
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

Left 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.



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

FL/-/5/-/-/R/-
Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R9114- 87276
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCU89114 12354114
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285601
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05

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

****IMPORTANT**** ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or bracing of the truss shall be the responsibility of the contractor. A deviation from this design shall be noted on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

12/19/2012

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

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

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

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, GCpl(+/-)=0.18

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

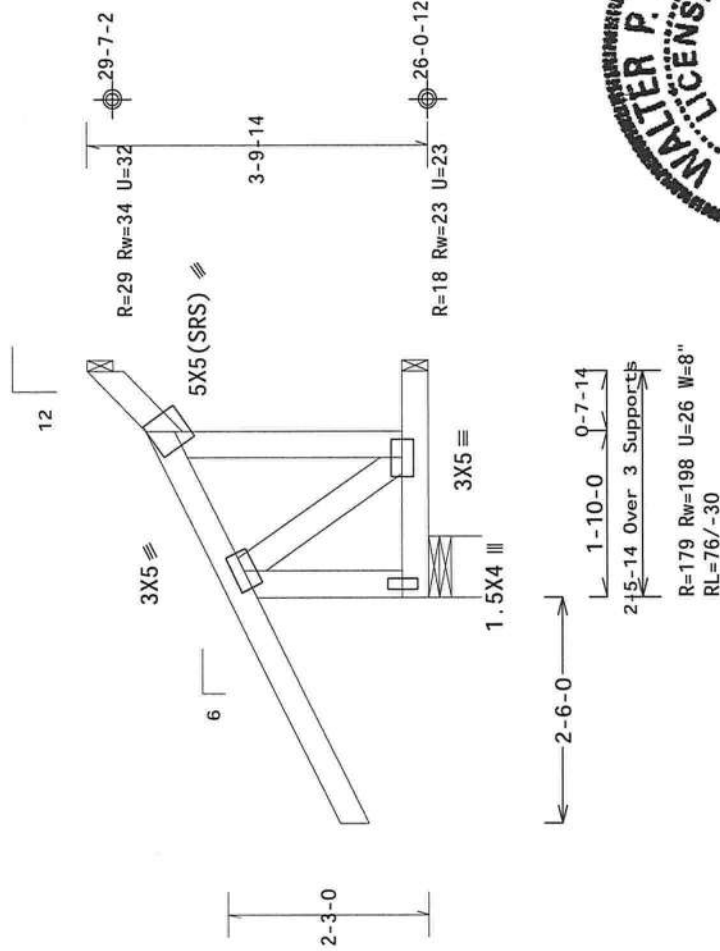
Left end vertical not exposed to wind pressure.

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 pif at -2.50 to 62 pif at 0.00
TC- From 2 pif at 0.00 to 2 pif at 1.83
TC- From 0 pif at 1.83 to 68 pif at 4.33
BC- From 0 pif at -2.50 to 4 pif at 0.00
BC- From 2 pif at 0.00 to 2 pif at 2.49

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

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



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

PLT TYP. Wave

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF	R9114- 87277
TC DL	10.0 PSF		DATE	12/19/12
BC DL	10.0 PSF		DRW	HCU9114 12354115
BC LL	0.0 PSF		HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF		SEQN-	285602
DUR.FAC.	1.25		FROM	SDY
SPACING	24.0"		JREF-	1US59114Z05

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing per the drawings. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per 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, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Bracing Detail. The undersigned hereby certifies that the design shown 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.sbcindustry.com; ICC: www.iccsafe.org

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

	Top	chord	2x4	SP_#2	12A
Bot	chord	2x4	SP_#2	12A	
	webs	2x4	SP_#2	12A	

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

120 mph wind, 28.32 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

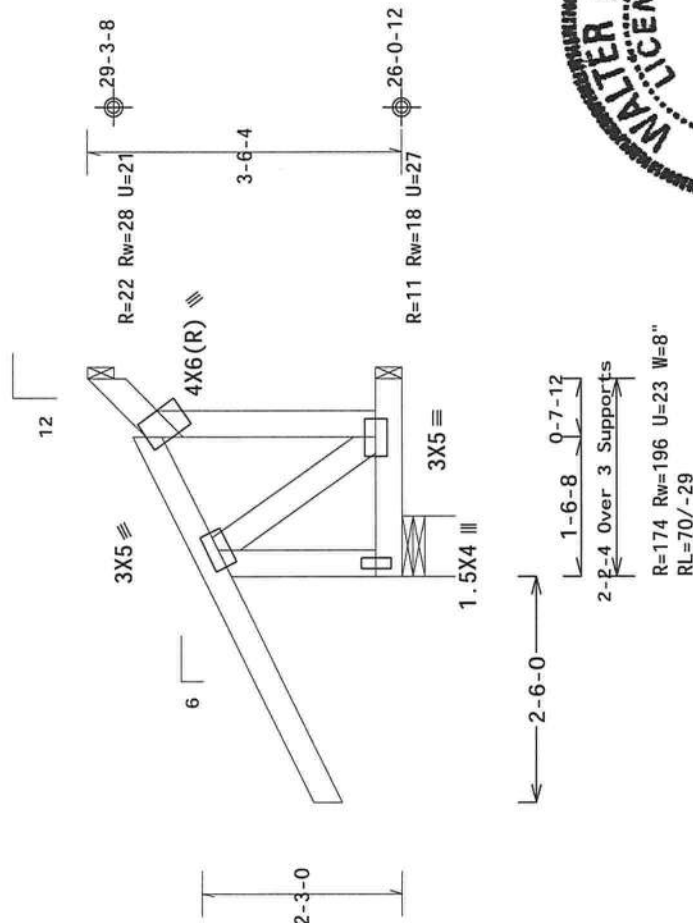
Left end vertical not exposed to wind pressure.

Special loads

----- (Lumber	Dur. Fac.=1.25	/	Plate	Dur. Fac.=1.25)
ITC-From	0 pif at -2.50 to		62 pif at	0.00
ITC-From	2 pif at 0.00 to		2 pif at	1.54
ITC-From	0 pif at 1.54 to		68 pif at	4.04
IBC-From	0 pif at -2.50 to		4 pif at	0.00
IBC-From	2 pif at 0.00 to		2 pif at	2.19

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=174 RW=196 U=23 W=8"
RL=70/-29

PLT TYP.: Wave

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

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

TC LL	20.0 PSF	REF	R9114- 87278
TC DL	10.0 PSF	DATE	12/19/12
BC DL	10.0 PSF	DRW	HCUSR9114 12354116
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	40.0 PSF	SEQN-	285603
DUR.FAC.	1.25	FROM	SDY
SPACING	24.0"	JREF-	1US59114Z05



STATE OF
FLORIDA
PROFESSIONAL ENGINEER
No. 12519
DAVID A. HINES

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

Trussus require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BG51 (Building Component Safety Information, by TPI and WFO) for details on proper handling, shipping, installation and bracing. If any of the above instructions are not followed, the manufacturer will not be responsible for any damage to the truss or for any injury or loss of life.

If any of the above instructions are not followed, the manufacturer will not be responsible for any damage to the truss or for any injury or loss of life.

Trussus shall have a properly attached ridge ceiling. Locations shown for permanent lateral restraint of the truss shall have bracing installed per BG51 sections B3, B7 or B10, as applicable.

LTW Building Components Group Inc. (LTWBGCO) 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 180A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's drawings.

LTWBGCO: www.ltwbgco.org TPI: www.tpi.org WFO: www.wfoinc.com

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ALPINE

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

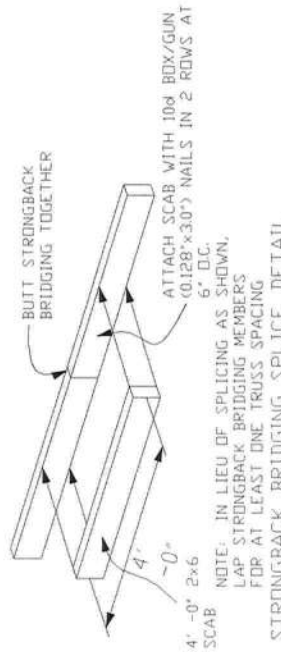
STRONGBACK BRIDGING RECOMMENDATIONS

- All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
- All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
- The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10' - 0" o.c. (max.)

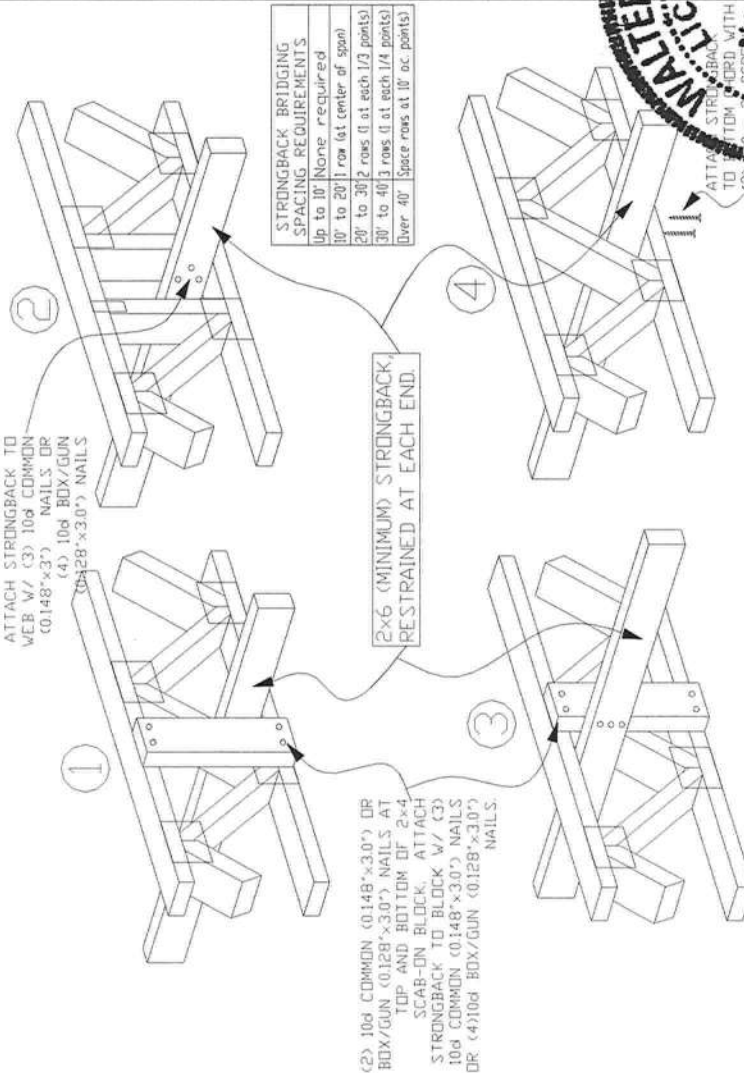
The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by ITW Building Components Group Inc.

For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).



NOTE: Details 1 and 2 are the preferred attachment methods



12/19/2012
Dec 19 '12

TC LL	PSF	REF	STRONGBACK
TC DL	PSF	DATE	2/28/11
BC DL	PSF	DRWG	STRBRI0211
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			

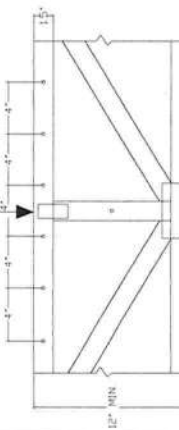


Earth City, MO 63045

SYSTEM 42 PLY TO PLY CONNECTION DETAIL

USING SIMPSON 1/4" x 6" STRONG DRIVE SCREWS OR EQUAL.

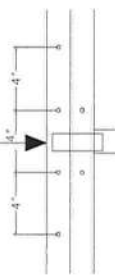
MAX. CONCENTRATED LOAD
AS PER CHART BELOW



-6 SCREWS IN TOP CHORD @ 4" O.C.
-4 SCREWS IN VERTICAL WEB @ 4" O.C.
AND 3" END DISTANCE

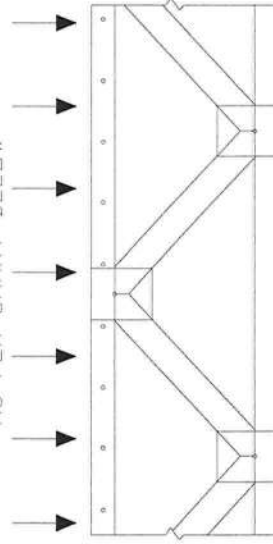
FOR DOUBLE TOP CHORDS
USE (4) SCREWS IN UPPER TOP CHORD
USE (2) SCREWS IN LOWER TOP CHORD

MAX. CONCENTRATED LOAD
AS PER CHART BELOW



SCREWS CAN BE EQUALLY DIVIDED
(ROUND UP TO THE NEAREST WHOLE
NUMBER) INTO MULTIPLE VERTICALS.
USE A MINIMUM OF (1) SCREW PER
VERTICAL.

MAX. UNIFORM LOAD
AS PER CHART BELOW



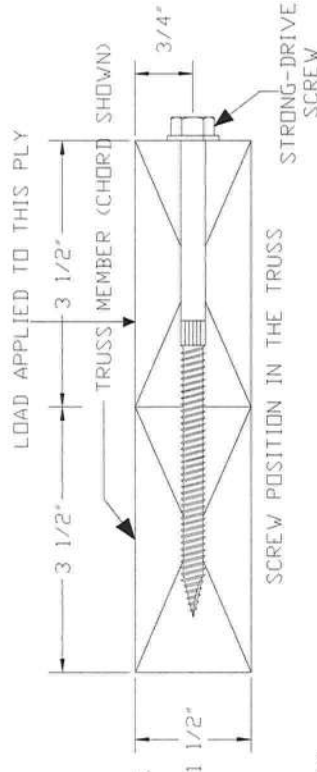
TOP CHORD SCREW SPACING PER CHART BELOW
(FOR SINGLE TOP CHORD ONLY)

UNIFORM LOADS

FOR DOUBLE TOP CHORD THE TOP
CHORD SCREW O.C. SPACING MAY BE
DOUBLED. (BUT MAY NOT EXCEED
24" O.C. PER CHORD) SCREW SPACING
SHALL BE OFFSET BY 1/2 THE
O.C. SPACING IN EACH CHORD.

TOP CHORD SCREW O.C. SPACING (INCH)	MAXIMUM UNIFORM LOAD (PLF) ALONG TOP CHORD (100 DF)	SPF
4	1440	1200
6	960	800
8	720	600
10	576	480
12	480	400
14	411	342
16	360	300
18	320	266
20	288	240
22	261	218
24	240	200

REFER TO ITWBCG SEALED DRAWING
FOR INDIVIDUAL TRUSS DESIGN.



- GENERAL NOTES:
- SCREWS CENTERED ALONG THE 1.5" DIMENSION OF THE 4x2 MEMBER.
 - MINIMUM END DISTANCE OF 3".
 - SCREWS INSTALLED WITH HEAD IN LOADED MEMBER.
 - GAP BETWEEN PLYS NOT TO EXCEED 1/8".
 - HOLES NOT ALLOWED THRU A METAL CONNECTOR PLATE
 - SCREW LOCATION MAY BE ADJUSTED UP TO 1" TO AVOID CONFLICT WITH OTHER HARDWARE OR TO AVOID LUMBER DEFECTS.
 - DO NOT INSTALL SCREWS IN AREAS WHERE LUMBER WANE EXCEEDS 1/4"
 - CONCENTRATED LOADS TO BE APPLIED AT TRUSS PANEL POINT WITH VERTICAL WEB.
 - FLOOR SHEATHING IS ASSUMED TO BE SECURELY FASTENED TO EACH TRUSS TOP CHORD.
 - FOR 3x2 MEMBERS USE SIMPSON'S 1/4"x4.5" SDS SCREWS OR EQUAL.
 - CONTACT ITWBCG FOR SPECIAL CONNECTIONS NOT COVERED BY THIS DETAIL.

TRUSS DEPTH (INCH)	# OF SCREWS IN VERTICAL WEB	MAXIMUM CONCENTRATED LOAD (LBS)	SPF
12	1	3360	2800
14	2	3840	3200
16	2	3840	3200
18	4	4320	3600
20	4	4320	3600
22	5	4800	4000
24	5	4800	4000



12/19/2012
Dec 19 '12

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the ITW Building Components Group Inc. (ITWBCG) Safety Information, by TPI and VTCB for safety practices for the installation and bracing of trusses. ITWBCG connector plates are made of 2018/1604 (VJH/SN) ASTM A653, galvanized steel. Top chord shall have properly attached structural panels and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall be bracing installed per BCS1 sections B3 & B7. See this job's general notes page for more information.
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 TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2018/1604 (VJH/SN) ASTM A653, galvanized steel. Top chord shall have properly attached structural panels and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall be bracing installed per BCS1 sections B3 & B7. See this job's general notes page for more information.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss 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
ITW-BG: warrtebcg.com, TPI: tpi@tpinet.com, VTCB: vtcbsolutions.com, ILL: www.ccsafe.org



Earth City, MO 63045

TC LL	PSF	REF	SY42 CONNECTION
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	CNSY42PL0109
BC LL	PSF		
TOT. L.D.			
DUR. FAC.	1.00		
SPACING			

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

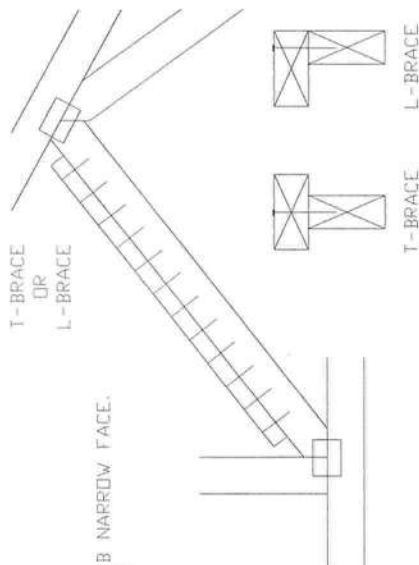
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

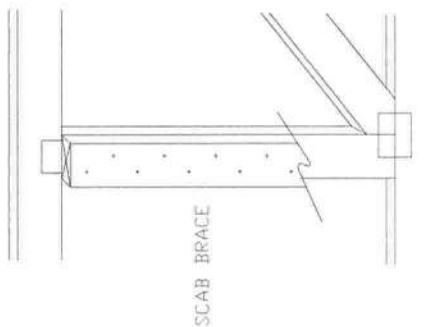
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3" MIN) NAILS.
AT 6" O.C.
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING:

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



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET! Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the ITW-BEG Building Component Safety Information, by TPI and UICAI for safety practices prior to performing these functions. Installers shall provide temporary bracing per BC31 unless otherwise specified. Trusses shall be installed in accordance with the design and specifications shown on the drawings. Trusses shall be braced properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall be bracing installed per BC31 sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW-BEG Building Component Safety Inc. (UICAI) is not responsible for any deviation from the design, or failure to build the truss in conformance with TPI or UICAI for safety practices prior to installing & bracing of trusses. ITW-BEG connector plates are made of 2018/16GA 14.4/5.1K1 ASTM A653 grade 37/40/60 42/47/HS galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. The design and engineering of the truss component design shown is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. ITW-BEG, www.tbeg.com, TPI, www.tpi.net, UICAI, www.uicai.com, ICC, www.iccsafe.org



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Earth City, MO 63045

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

12/19/2012

Dec 19 '12

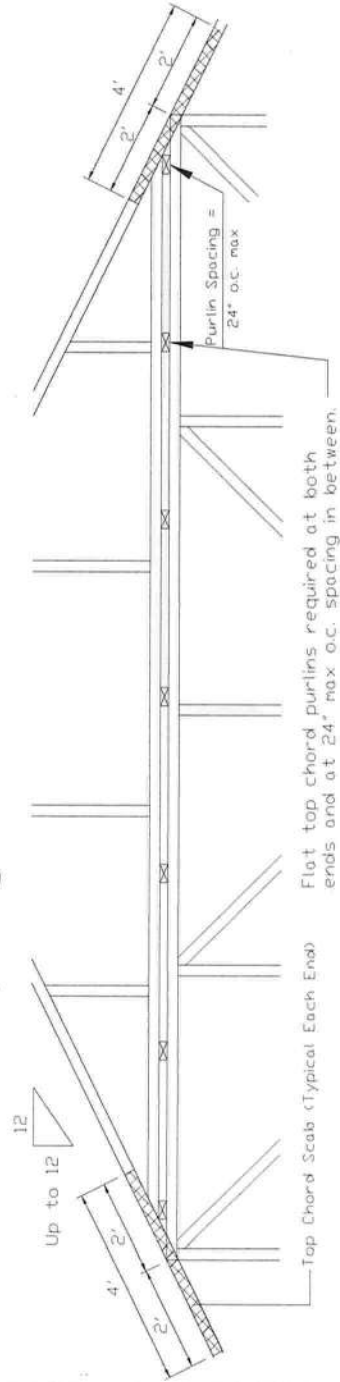
Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0, Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends. Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

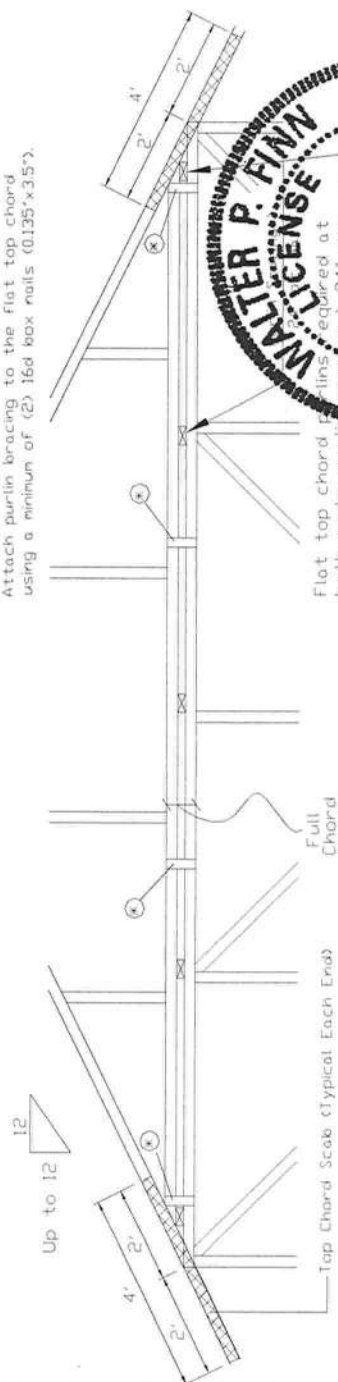
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").



Note: If purlins or sheathing are not specified on the flat top of the truss, purlins must be installed at 24' o.c. max. and use Detail A.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING. **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE 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 VITA for instructions prior to performing these functions. Installers shall provide temporary bracing prior to permanent bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI 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 160A-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 professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any other purpose is the responsibility of the user. For more information see this job's general notes page and these job site ITWBCG www.itwbcg.com, TPI: www.tpi.net, VITA: www.vita-usa.com, ICC: www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045

* In addition, provide connection with one of the following methods:
Trulox
Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.
APA Rated Gusset
8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. (3) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.
2x4 Vertical Scabs
2x4 SPF #2. Full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.
28PB Wave Piggyback Plate
One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

REF	PIGGYBACK
DATE	2/14/12
DRWG	PB160100212
SPACING	24.0"



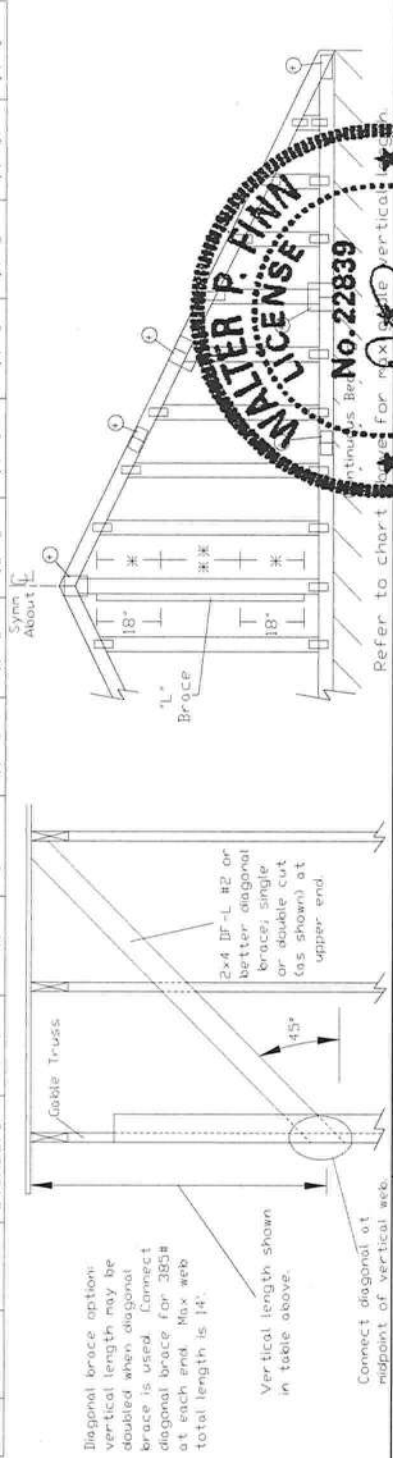
Gable Stud Reinforcement Detail

ASCE 7-10: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

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

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



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

IMPORTANT TURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and VITA) for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing. Location shown for permanent lateral bracing. All bracing shall have bracing installed at BCSI and 8' B7 B10, as applicable. Refer to drawings 1004-2 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 accordance with ANSI/TPI 1 or for inadequate installation of bracing of trusses. 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 drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

ITWBCG www.itwbcg.com IPI www.ipi.com VITA www.vita.com 877-877-8777 ITC www.itccsa.org

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 chart above for max plate vertical length.

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

Bracing Group Species and Grades:			
Group A:		Group B:	
Spruce-Pine-Fir	#1 / #2	Douglas Fir-Larch	#1
	Standard		Standard
Hem-Fir	#2	Southern Pine***	#1
	Standard		Standard
#3	Standard	#3	Standard
	Standard		Standard

1x4 Braces shall be SBB (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 70 pif over continuous bearing (5 psf IC Dead Load).

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

So. Pine lumber design values based on the ALSC January, 2012 rule.

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.

* For (2) "L" braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.

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

Gable Vertical Plate Sizes	
Vertical Length	No. Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	2X4
Greater than 11' 6"	25X4
* Refer to common truss design for peak, splice, and heel plates.	

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

REF	ASCE 7-10-GABI2030
DATE	2/14/12
DRWG	A12030ENC100212

ASCE 7-10: 120 mph, 30' Mean Height, Closed, Exposure C Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp D, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Part. Enclosed, Exp C,
Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

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

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

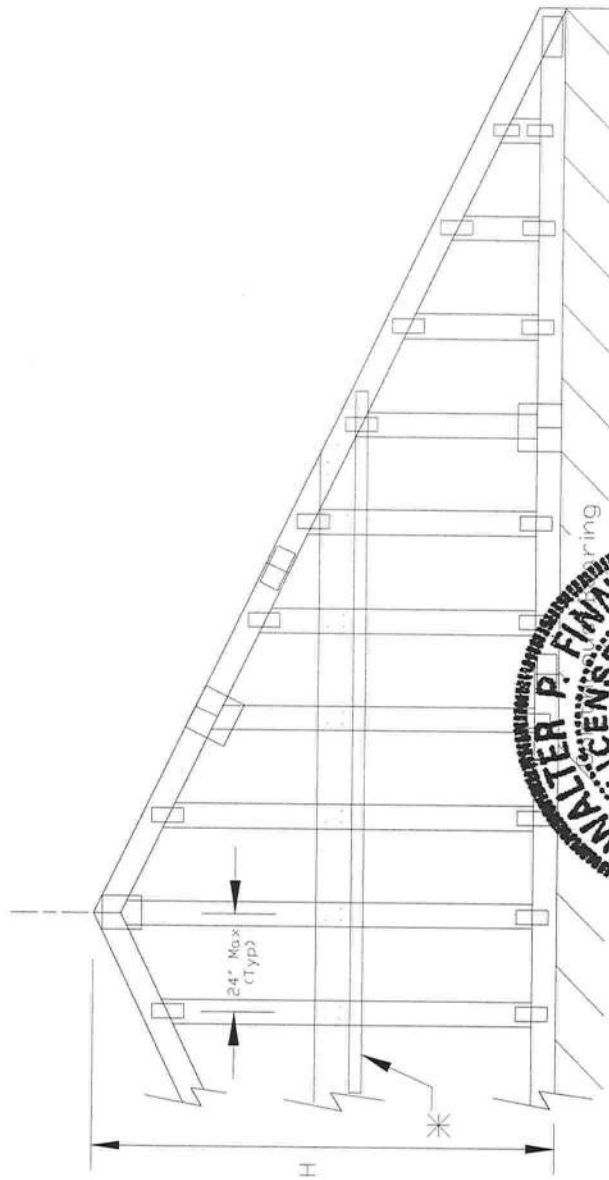
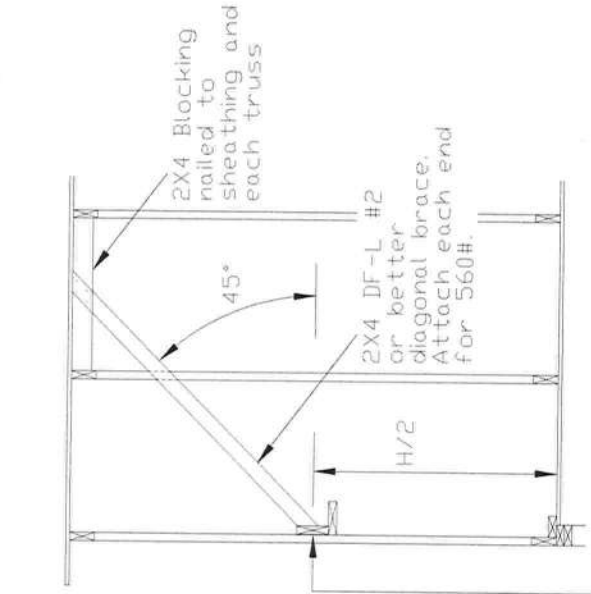
Nails: 10d box or gun (0.128"x3",min) nails.

H Less than 4'6" - no stud bracing required

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

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

* Optional 2x L-reinforcement attached
to stiffback with 10d box or gun
(0.128" x 3", min.) nails @ 6" o.c.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the Building Components Group Inc. (BCGI) Building Component Safety Information, by TPI and VITCA for details on proper practices prior to performing the installation. The contractor shall be responsible for ensuring that the truss is properly braced and that the chord have a properly attached rigid ceiling. Locations shown for permanent lateral rest of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

TW 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 & use of this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility. The contractor shall be responsible for the safety and use of this drawing 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 and these web sites: www.bcsi.org, www.tpi.org, www.vitca.org, www.iccfear.com, www.tpi.org, www.vitca.org, www.iccfear.com



Earth City, MO 63045

MAX. TOT. LD. 60 PSF

MAX. SPACING

12/19/2012

Dec 19 '12

REF GE WHALER
DATE 2/14/12
DRWG GABRST100212