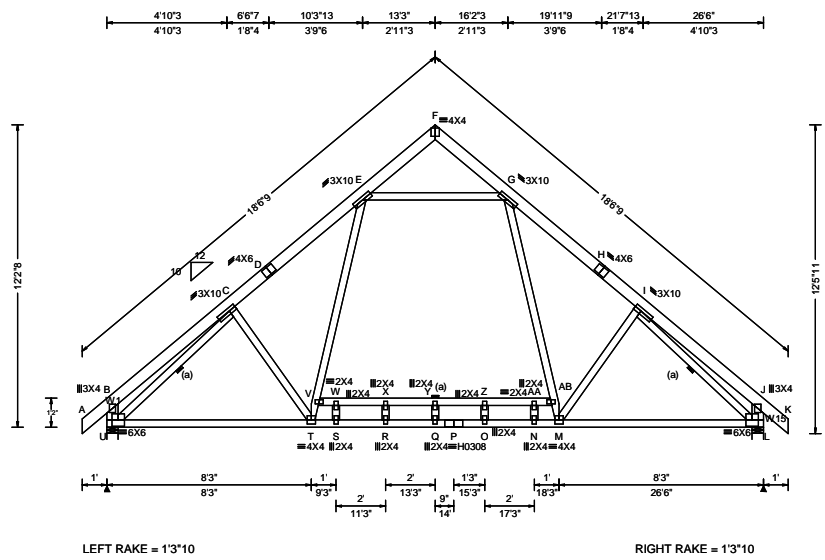


Job Number: HLB27451 Staples/Boulangier Residence Truss Label: 1A1	Ply: 1 Qty: 7 Wgt: 221.2 lbs	SEQN: 82317 / T4 / COMM FROM:	DRW: ... / ... 12/02/16
--	---	--	--------------------------------



▲ Maximum Reactions (lbs)						
Loc	R	/U	/Rw	/Rh	/RL	/W
U	2231	/ 272	/ 360	- / -	/ 372	/ 5.5
L	2231	/ 272	/ 360	- / -	- / -	/ 5.5
Wind reactions based on MWFRS						
U	Min Brg Width Req = 2.8					
L	Min Brg Width Req = 2.8					
Bearings U & L are a rigid surface.						

Maximum Top Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	76	- 15	F - G	99	- 406
B - C	193	- 438	G - H	472	- 2275
C - D	446	- 2406	H - I	446	- 2407
D - E	472	- 2274	I - J	191	- 438
E - F	99	- 406	J - K	76	- 15

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	1857	- 243	P - O	1544	- 189
T - S	1544	- 189	O - N	1544	- 189
S - R	1544	- 189	N - M	1544	- 189
R - Q	1544	- 189	M - L	1858	- 232
Q - P	1544	- 189			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - U	218	- 545	Y - Q	93	- 2
U - C	332	- 2344	Y - Z	15	- 1
C - T	214	- 465	Z - O	34	- 12
T - V	662	- 142	Z - AA	15	- 1
V - W	15	- 1	G - AB	742	- 146
V - E	742	- 146	AA - N	10	- 84
W - S	14	- 82	AA - AB	15	- 1
W - X	15	- 1	AB - M	664	- 142
E - G	426	- 1392	M - I	215	- 465
X - R	34	- 13	I - L	332	- 2345
X - Y	15	- 1	J - L	215	- 545

Loading Criteria (psf) TCLL: 46.20 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 66.20 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-05 Speed: 100 mph Enclosure: Closed Category: II EXP: C TCDL: 4.2 psf BCDL: 4.2 psf Mean Height: 15.00 ft MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any I: 1.0 GCpi: 0.18 Wind Duration: 1.33	Snow Criteria (Pg,Pf in PSF) Pg: 60.0 Ct: 1.1 Pf: 46.2 Ce: 1.0 CAT: II Lu: - Cs: not used Snow Duration: 1.15	Code / Misc Criteria Bldg Code: IRC 2009 TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type: WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.462 Q 688 360 Max TC CSI: 0.696 VERT(TL): 0.789 Q 402 240 Max BC CSI: 0.787 HORZ(LL): 0.193 E - - Max Web CSI: 0.933 HORZ(TL): 0.391 E - - Creep Factor: 1.5 Mfg Specified Camber: VIEW Ver: 16.01.00F.0504.19
---	---	--	--	--

Lumber Top chord 2x6 SPF #1/#2 Bot chord 2x4 SPF 2100f-1.8E Webs 2x4 SPF #1/#2 :W1, W15 2x6 SPF #1/#2:	Special Loads ----- (Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15) TC- From 118 plf at -1.00 to 118 plf at 13.25 TC- From 118 plf at 13.25 to 118 plf at 27.50 BC- From 20 plf at 0.00 to 20 plf at 8.60 BC- From 80 plf at 8.60 to 80 plf at 17.90 BC- From 20 plf at 17.90 to 20 plf at 26.50	Bracing (a) Continuous lateral restraint equally spaced on member.	Wind Wind loads based on MWFRS with additional C&C member design.	Loading Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5. Truss designed for unbalanced snow loads.
--	--	--	---	---

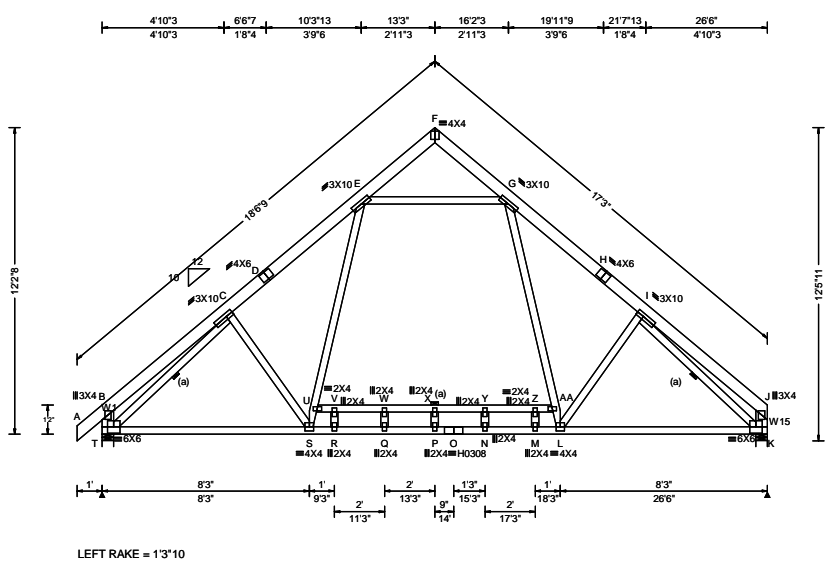
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 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-Z for standard plate positions.

Alpine, a division of 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 and 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.**

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



Job Number: HLB27451 Ply: 1 SEQN: 82321 / T1 / COMM DRW: ... / ... 12/02/16
 Staples/Boullanger Residence Qty: 9 FROM: ... / ... 12/02/16
 Truss Label: 1A2 Wgt: 221.2 lbs



▲ Maximum Reactions (lbs)

Loc	R	/U	/Rw	/Rh	/RL	/W
T	2234	/ 273	/ 360	/ -	/ 356	/ 5.5
K	2111	/ 248	/ 311	/ -	/ -	/ 5.5

Wind reactions based on MWFRS
 T Min Brg Width Req = 2.8
 K Min Brg Width Req = 2.7
 Bearings T & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	76 -15	F - G	99 -399
B - C	193 -438	G - H	471 -2284
C - D	446 -2409	H - I	446 -2416
D - E	471 -2278	I - J	135 -448
E - F	99 -408		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
T - S	1860 -237	O - N	1547 -189
S - R	1547 -189	N - M	1547 -189
R - Q	1547 -189	M - L	1547 -189
Q - P	1547 -189	L - K	1870 -237
P - O	1547 -189		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - T	218 -545	X - P	93 -2
T - C	332 -2347	X - Y	15 -1
C - S	214 -459	Y - N	35 -12
S - U	662 -142	Y - Z	15 -1
U - V	15 -1	G -AA	752 -146
U - E	741 -146	Z -M	10 -84
V - R	14 -82	Z -AA	15 -1
V - W	15 -1	AA -L	674 -142
E - G	425 -1394	L -I	214 -477
W - Q	33 -13	I -K	331 -2343
W - X	15 -1	J -K	120 -426

Loading Criteria (psf)	Wind Criteria	Snow Criteria	Code / Misc Criteria	Defl/CSI Criteria
TCLL: 46.20 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 66.20 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Std: ASCE 7-05 Speed: 100 mph Enclosure: Closed Category: II EXP: C TCDL: 4.2 psf BCDL: 4.2 psf Mean Height: 15.00 ft MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any I: 1.0 GCpi: 0.18 Wind Duration: 1.33	(Pg,Pf in PSF) Pg: 60.0 Ct: 1.1 Pf: 46.2 Ce: 1.0 CAT: II Lu: - Cs: not used Snow Duration: 1.15	Bldg Code: IRC 2009 TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type: WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.460 P 690 360 Max TC CSI: 0.700 VERT(TL): 0.791 P 402 240 Max BC CSI: 0.787 HORZ(LL): 0.185 E - - Max Web CSI: 0.935 HORZ(TL): 0.377 E - - Creep Factor: 1.5 Mfg Specified Camber: VIEW Ver: 16.01.00F.0504.19

Lumber	Special Loads
Top chord 2x6 SPF #1/#2 Bot chord 2x4 SPF 2100f-1.8E Webs 2x4 SPF #1/#2 :W1, W15 2x6 SPF #1/#2:	----- (Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15) TC- From 118 plf at -1.00 to 118 plf at 13.25 TC- From 118 plf at 13.25 to 118 plf at 26.50 BC- From 20 plf at 0.00 to 20 plf at 8.60 BC- From 80 plf at 8.60 to 80 plf at 17.90 BC- From 20 plf at 17.90 to 20 plf at 26.50
Bracing (a) Continuous lateral restraint equally spaced on member.	Wind Wind loads based on MWFRS with additional C&C member design.
Loading Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5. Truss designed for unbalanced snow loads.	

****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 and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 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-Z for standard plate positions.
 Alpine, a division of 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 and 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.
 For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

