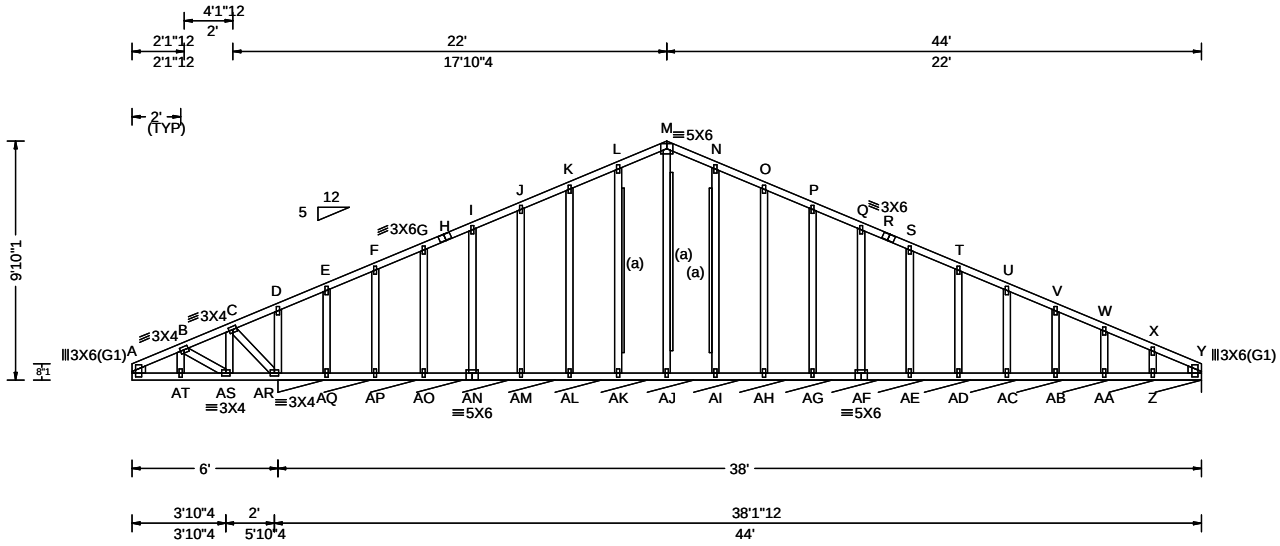
SEQN: 2778 / T11 / GABL	Ply: 1	**Job Number:** J29203	
FROM:	Qty: 1	- ,	DRW:
Page 1 of 2	Wgt: 298.2 lbs	**Truss Label:** GE1	... / ... 11/19/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.40 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1 CAT: II
Pf: 30.8 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.122	AT	588	240
VERT(TL): 0.254	AT	283	240
HORZ(LL): -0.048	D	-	-
HORZ(TL): -0.101	D	-	-

Creep Factor: 1.5
Max TC CSI: 0.417
Max BC CSI: 0.246
Max Web CSI: 0.592
Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Y*	120	/-	/-	/51	/10	/5
Y		/-299				

Wind reactions based on MWFRS
Y Brg Width = 456 Min Req = -
Bearing AR is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	191	- 81	M - N	644	- 56
B - C	450	- 212	N - O	653	- 120
C - D	669	- 334	O - P	648	- 168
D - E	620	- 277	P - Q	647	- 201
E - F	645	- 255	Q - R	646	- 231
F - G	644	- 219	R - S	617	- 235
G - H	612	- 186	S - T	644	- 269
H - I	646	- 182	T - U	642	- 303
I - J	661	- 152	U - V	639	- 336
J - K	666	- 118	V - W	636	- 369
K - L	671	- 84	W - X	628	- 400
L - M	660	- 47	X - Y	648	- 447

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A -AT	93	- 134	AJ-AI	422	- 573
AT-AS	95	- 138	AI-AH	421	- 573
AS-AR	292	- 410	AH-AG	420	- 572
AR-AQ	836	- 1122	AG-AF	419	- 572
AQ-AP	418	- 563	AF-AE	419	- 571
AP-AO	419	- 565	AE-AD	418	- 570
AO-AN	420	- 567	AD-AC	417	- 569
AN-AM	420	- 568	AC-AB	416	- 568
AM-AL	421	- 570	AB-AA	415	- 566
AL-AK	421	- 571	AA- Z	413	- 564
AK-AJ	422	- 573	Z - Y	410	- 560

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AS	222	- 309	C -AR	199	- 246

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
AT- B	104	- 43	AI- N	147	- 286

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2
:Lt Stub Wedge 2x4 SPF #1/#2:
:Rt Stub Wedge 2x4 SPF #1/#2:

Bracing

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

Plating Notes

All plates are 1.5X4 except as noted.

Loading

Truss designed for unbalanced snow loads.

Wind

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

Left cantilever is exposed to wind

Additional Notes

See DWGS A12015ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

****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

SEQN: 2778 / T11 / GABL	Ply: 1	**Job Number:** J29203	
FROM:	Qty: 1	- ,	DRW:
Page 2 of 2	Wgt: 298.2 lbs	**Truss Label:** GE1	... / ... 11/19/2019

AS- C	177	- 143	AH- O	104	- 245
AR- D	119	- 274	AG- P	68	- 242
E -AQ	72	- 105	AF- Q	68	- 174
F -AP	72	- 175	AE- S	68	- 166
G -AO	68	- 165	AD- T	68	- 166
I -AN	68	- 174	AC- U	68	- 165
J -AM	68	- 242	AB- V	69	- 167
K -AL	107	- 243	AA- W	108	- 159
L -AK	142	- 290	Z - X	153	- 235
M -AJ	103	- 607			

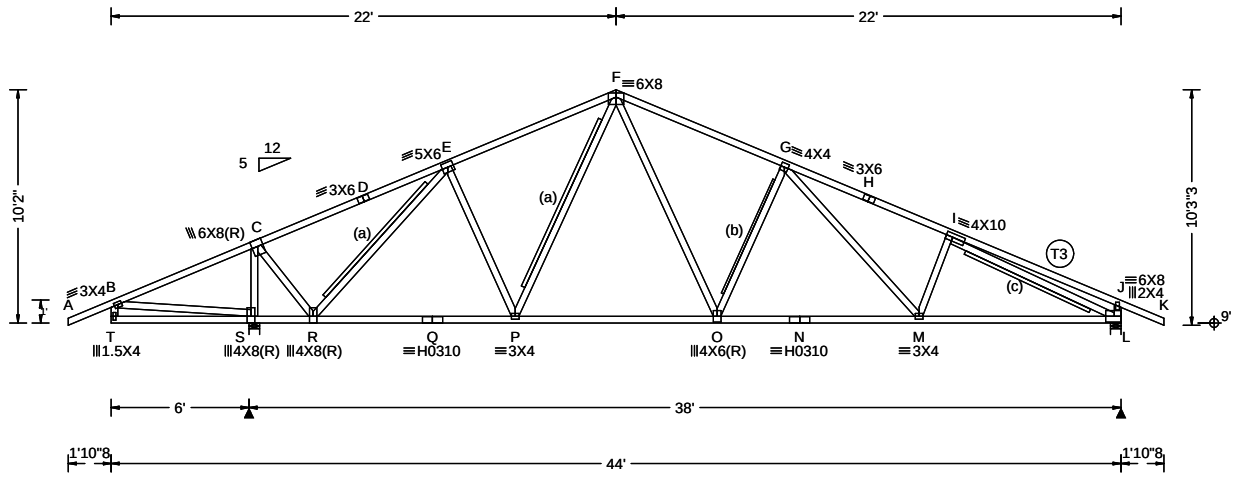
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2925 / T10 / COMN	Ply: 1	**Job Number:** J29203	DRW:
FROM:	Qty: 1	- ,	... / ... 11/20/2019
	Wgt: 257.6 lbs	**Truss Label:** T1	



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.40 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.188	G	999	240	Max TC CSI: 0.777
VERT(TL): 0.395	G	999	240	Max BC CSI: 0.984
HORZ(LL): 0.085	J	-	-	Max Web CSI: 0.996
HORZ(TL): 0.178	J	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF 2100f-1.8E :T3 2x4 SPF #1/#2:
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Loading

Truss designed for unbalanced snow loads.

Wind

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

Left cantilever is exposed to wind

Bracing

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

(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(c) 2x8 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
S	2827	/-	/-	/1392	/228	/231
L	2107	/-	/-	/978	/195	/-

Wind reactions based on MWFRS
S Brg Width = 5.5 Min Req = 4.1
L Brg Width = 5.5 Min Req = 3.3
Bearings S & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	827	-2564
B - C	1005	-581	G - H	957	-3235
C - D	284	-681	H - I	942	-3353
D - E	299	-609	I - J	197	-319
E - F	706	-1947	J - K	63	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	21	-4	P - O	1691	-265
S - R	597	-638	O - N	2608	-494
R - Q	1610	-332	N - M	2608	-494
Q - P	1610	-332	M - L	3107	-679

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	109	-39	F - O	1228	-311
B - S	661	-843	O - G	349	-1035
S - C	845	-2641	G - M	643	-174
C - R	1812	-515	M - I	220	-329
R - E	617	-1767	I - L	730	-3276
E - P	369	-36	J - L	344	-533
P - F	220	-169			

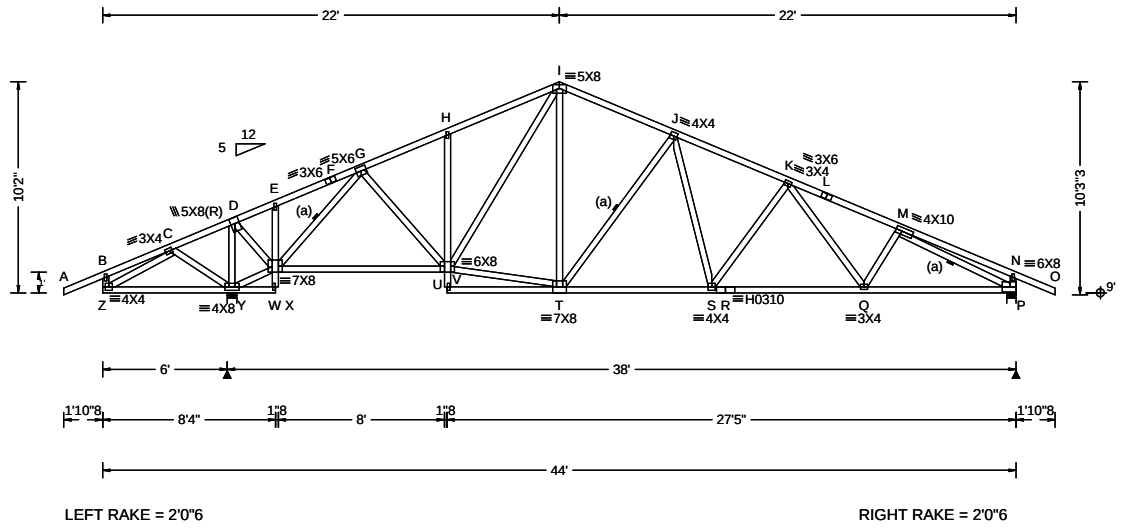
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2852 / T12 / COMN FROM:	Ply: 1 Qty: 7 Wgt: 296.8 lbs	**Job Number:** J29203 - **Truss Label:** T1A	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.40 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.195	S	999	240	Max TC CSI: 0.641
VERT(TL): 0.412	S	999	240	Max BC CSI: 0.861
HORZ(LL): 0.092	N	-	-	Max Web CSI: 0.696
HORZ(TL): 0.191	N	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left cantilever is exposed to wind

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
Y	2837	/-	/-	/1393	/231	/232
P	2099	/-	/-	/975	/195	/-

Wind reactions based on MWFRS
Y Brg Width = 5.5 Min Req = 4.1
P Brg Width = 5.5 Min Req = 3.3
Bearings Y & P are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	H - I	807	-2173
B - C	125	-66	I - J	705	-1956
C - D	1052	-607	J - K	839	-2815
D - E	242	-567	K - L	914	-3213
E - F	251	-579	L - M	906	-3332
F - G	257	-537	M - N	159	-200
G - H	697	-2159	N - O	63	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Z - Y	507	-574	T - S	2376	-423
Y - X	3	-26	S - R	2850	-579
W - U	1557	-310	R - Q	2850	-579
V - T	16	-22	Q - P	3034	-669

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Z	279	-313	U - V	52	0
Z - C	672	-597	U - I	765	-225
C - Y	252	-419	U - T	1697	-241
Y - D	500	-1993	I - T	743	-220
Y - W	806	-984	T - J	355	-1187
D - W	1750	-411	J - S	644	-148
E - W	115	-281	S - K	213	-587
W - X	58	-59	K - Q	269	-65
W - G	741	-1906	Q - M	160	-84
G - U	570	-212	M - P	753	-3336
H - U	234	-638	N - P	316	-435

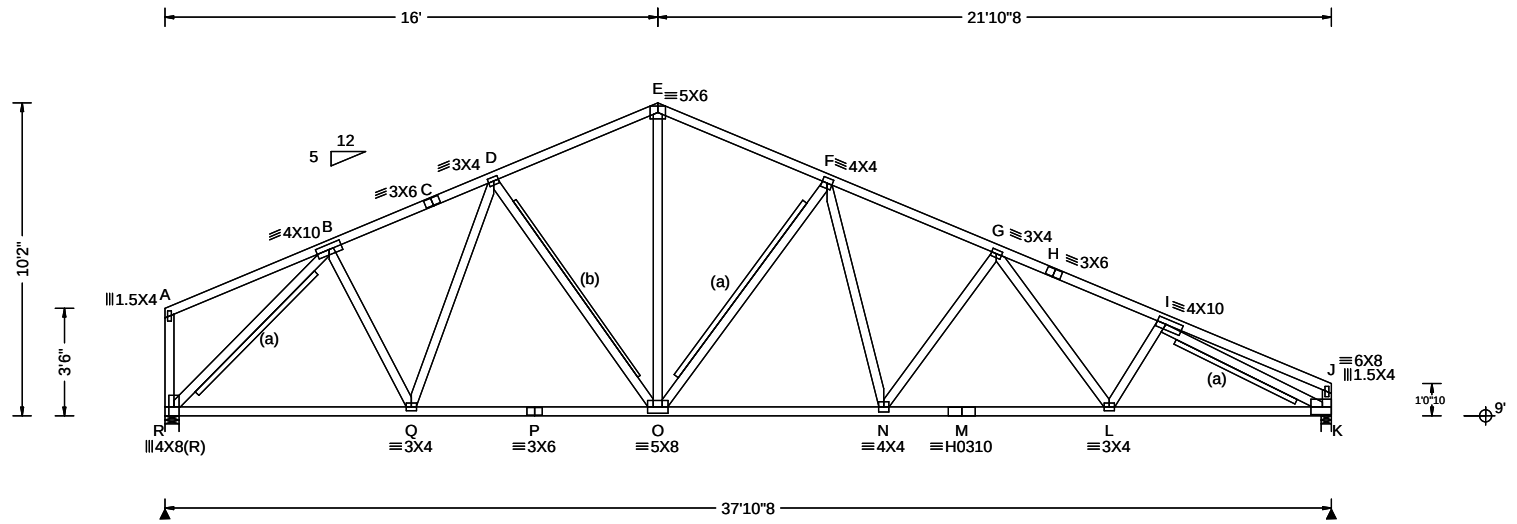
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2853 / T13 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 236.6 lbs	**Job Number:** J29203 - **Truss Label:** T1B	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	1956	/-	/-	/826	/-	/178
K	1956	/-	/-	/888	/-	/-

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 3.1
K Brg Width = 4.0 Min Req = 3.1
Bearings R & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	76	- 93	F - G	426	- 2877
B - C	340	- 2140	G - H	467	- 3263
C - D	348	- 2031	H - I	459	- 3381
D - E	375	- 2102	I - J	72	- 207
E - F	371	- 2106			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	1677	- 149	N - M	2902	- 290
Q - P	1982	- 156	M - L	2902	- 290
P - O	1982	- 156	L - K	3072	- 359
O - N	2432	- 216			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - R	74	- 195	F - N	624	- 69
R - B	298	- 2370	N - G	119	- 566
B - Q	534	- 11	G - L	250	- 45
Q - D	67	- 318	L - I	149	- 67
D - O	104	- 430	I - K	389	- 3377
E - O	1099	- 160	J - K	83	- 245
O - F	172	- 1128			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.79 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.204	N	999	240	Max TC CSI:	0.608
VERT(TL): 0.411	N	999	240	Max BC CSI:	0.863
HORZ(LL): 0.090	J	-	-	Max Web CSI:	0.905
HORZ(TL): 0.180	J	-	-	Creep Factor: 1.5	

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing
(b) 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.

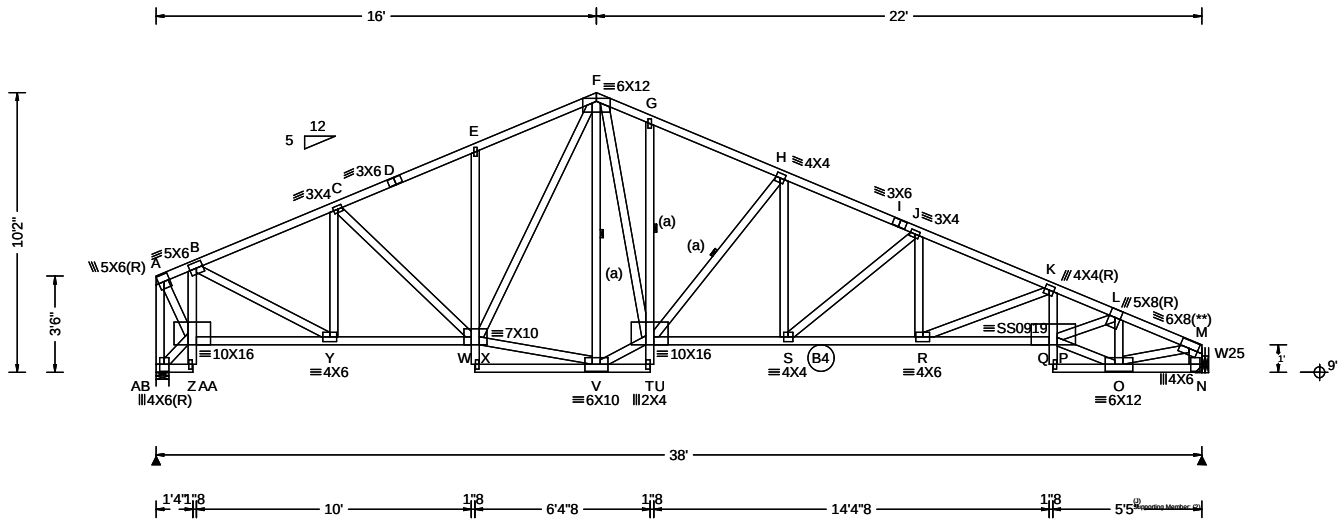
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2854 / T9 / COMN FROM:	Ply: 1 Qty: 4 Wgt: 298.9 lbs	**Job Number:** J29203 - **Truss Label:** T1C	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.80 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.306	S	999	240	Max TC CSI: 0.616
VERT(TL): 0.616	S	740	240	Max BC CSI: 0.615
HORZ(LL): 0.177	N	-	-	Max Web CSI: 0.926
HORZ(TL): 0.357	N	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2 :B4 2x4 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2 :W25 2x6 SPF #1/#2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 1.5X4 except as noted.

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Truss designed for unbalanced snow loads.

Wind

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

Left end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
AB	1962	/-	/-	/820	/-	/179
N	1962	/-	/-	/886	/-	/-

Wind reactions based on MWFRS
AB Brg Width = 5.5 Min Req = 3.1
N Brg Width = - Min Req = -
Bearing AB is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	135	-1135	G - H	412	-2645
B - C	335	-2439	H - I	462	-3330
C - D	380	-2596	I - J	444	-3349
D - E	392	-2528	J - K	525	-4139
E - F	444	-2579	K - L	676	-5380
F - G	452	-2576	L - M	400	-3057

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AB-AA	29	- 3	T - S	2998	-271
Z - Y	1113	-155	S - R	3727	-372
Y - W	2210	-182	R - P	4984	-560
X - V	43	- 4	Q - O	129	- 16
V - U	57	- 7	O - N	127	- 23

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A -AB	215	-1920	T - U	4	- 28
A - Z	1845	-216	T - G	106	-425
AB- Z	235	-211	T - H	153	-1086
Z -AA	17	0	H - S	625	- 63
Z - B	247	-1425	S - J	144	-935
B - Y	1230	-146	J - R	492	- 43
Y - C	106	-608	R - K	204	-1333
C - W	282	- 64	K - P	708	- 87
E - W	120	-589	P - Q	45	0
W - X	46	0	P - L	2223	-234
W - F	1192	-144	P - O	3006	-370
W - V	1880	-113	L - O	250	-1866
F - V	106	-1425	O - M	2713	-325
F - T	2448	-283	M - N	265	-1910
V - T	2105	-124			

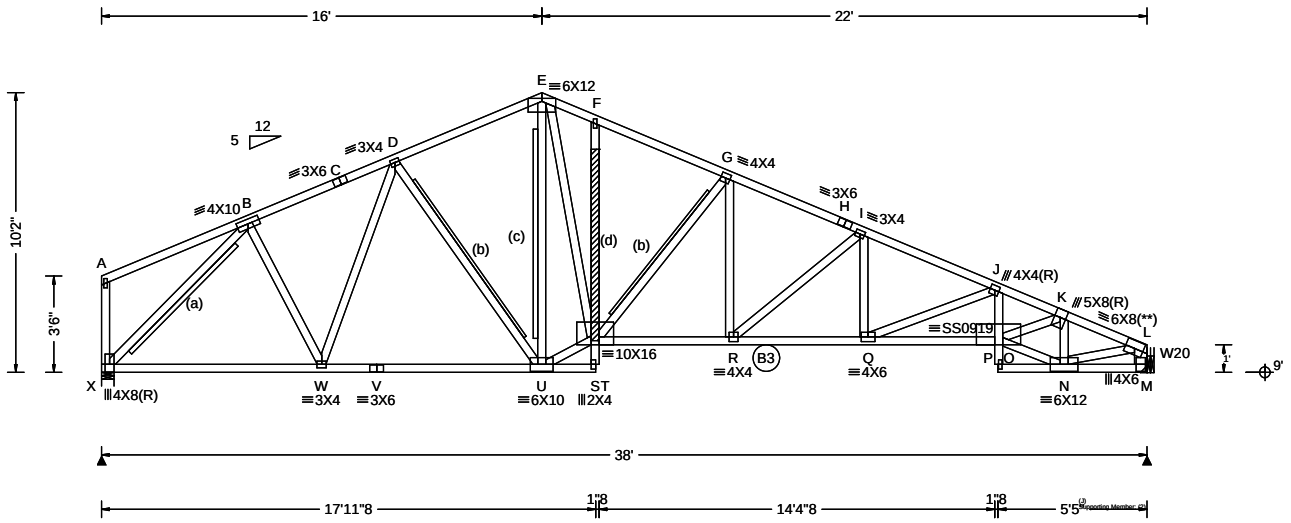
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2932 / T8 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 272.3 lbs	**Job Number:** J29203 - **Truss Label:** T1D	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.80 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.293	R	999	240	Max TC CSI: 0.616
VERT(TL): 0.594	R	767	240	Max BC CSI: 0.718
HORZ(LL): 0.150	M	-	-	Max Web CSI: 0.927
HORZ(TL): 0.302	M	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2 :B3 2x4 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2 :W20 2x6 SPF #1/#2:

Plating Notes
All plates are 1.5X4 except as noted.

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

Hangers / Ties
(J) Hanger Support Required, by others

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

(c) 2x4 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

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

Loading
Truss designed for unbalanced snow loads.

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

Left end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
X	1962	/-	/-	/826	/-	/179
M	1962	/-	/-	/888	/-	/-

Wind reactions based on MWFRS
X Brg Width = 5.5 Min Req = 3.1
M Brg Width = - Min Req = -
Bearing X is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	76	- 94	G - H	462	- 3330
B - C	342	- 2147	H - I	444	- 3349
C - D	350	- 2039	I - J	524	- 4139
D - E	377	- 2114	J - K	675	- 5380
E - F	450	- 2570	K - L	400	- 3057
F - G	412	- 2645			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
X - W	1682	- 148	R - Q	3727	- 371
W - V	1993	- 157	Q - O	4984	- 560
V - U	1993	- 157	P - N	129	- 16
U - T	51	- 6	N - M	127	- 23
S - R	2998	- 270			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - X	75	- 195	G - R	625	- 62
X - B	298	- 2377	R - I	144	- 935
B - W	546	- 12	I - Q	492	- 43
W - D	71	- 332	Q - J	204	- 1333
D - U	100	- 429	J - O	708	- 86
E - U	32	- 904	O - P	45	0
E - S	2439	- 284	O - K	2223	- 234
U - S	2120	- 124	O - N	3006	- 369
S - T	0	- 34	K - N	249	- 1866
S - F	99	- 419	N - L	2713	- 325
S - G	153	- 1085	L - M	264	- 1910

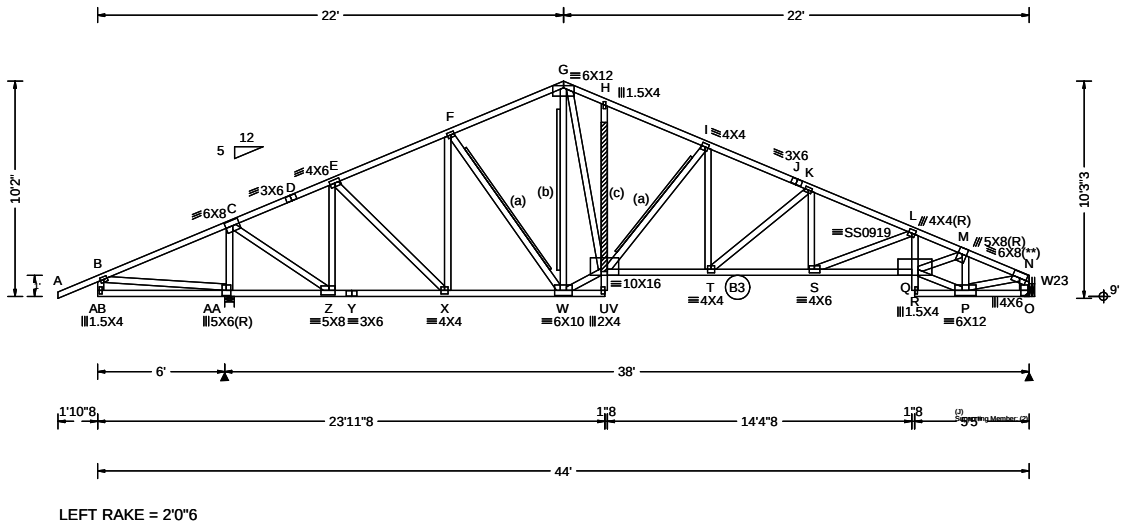
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2934 / T79 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 310.1 lbs	**Job Number:** J29203 - **Truss Label:** T1E	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.40 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.277	T	999	240	Max TC CSI: 0.853
VERT(TL): 0.592	T	768	240	Max BC CSI: 0.549
HORZ(LL): 0.128	O	-	-	Max Web CSI: 0.985
HORZ(TL): 0.279	O	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2 :B3 2x4 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2 :W23 2x6 SPF #1/#2:

Plating Notes
All plates are 3X4 except as noted.

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

Hangers / Ties
(J) Hanger Support Required, by others

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

(b) 2x4 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

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

Loading
Truss designed for unbalanced snow loads.

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

Left cantilever is exposed to wind

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
AA	2831	/-	/-	/1390	/20	/219
O	1939	/-	/-	/882	/-	/-

Wind reactions based on MWFRS
AA Brg Width = 5.5 Min Req = 4.1
O Brg Width = - Min Req = -
Bearing AA is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	H - I	418	-2541
B - C	1032	-542	I - J	470	-3270
C - D	233	-1271	J - K	452	-3289
D - E	241	-1181	K - L	536	-4073
E - F	338	-1907	L - M	697	-5309
F - G	368	-1906	M - N	414	-3019
G - H	442	-2468			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AB-AA	36	-15	U - T	2947	-263
AA- Z	522	-676	T - S	3665	-377
Z - Y	1145	-124	S - Q	4919	-578
Y - X	1145	-124	R - P	127	-17
X - W	1699	-158	P - O	126	-23
W - V	53	-5			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AB	109	-86	U - I	155	-1130
B -AA	608	-896	I - T	627	-65
AA- C	486	-2598	T - K	147	-928
C - Z	2175	-390	K - S	491	-47
Z - E	273	-1188	S - L	215	-1328
E - X	773	-176	L - Q	700	-91
X - F	186	-444	Q - R	45	0
F - W	151	-257	Q - M	2193	-222
G - W	56	-980	Q - P	2968	-384
G - U	2470	-238	M - P	259	-1842
W - U	1901	-126	P - N	2678	-339
U - V	2	-19	N - O	273	-1888
U - H	110	-439			

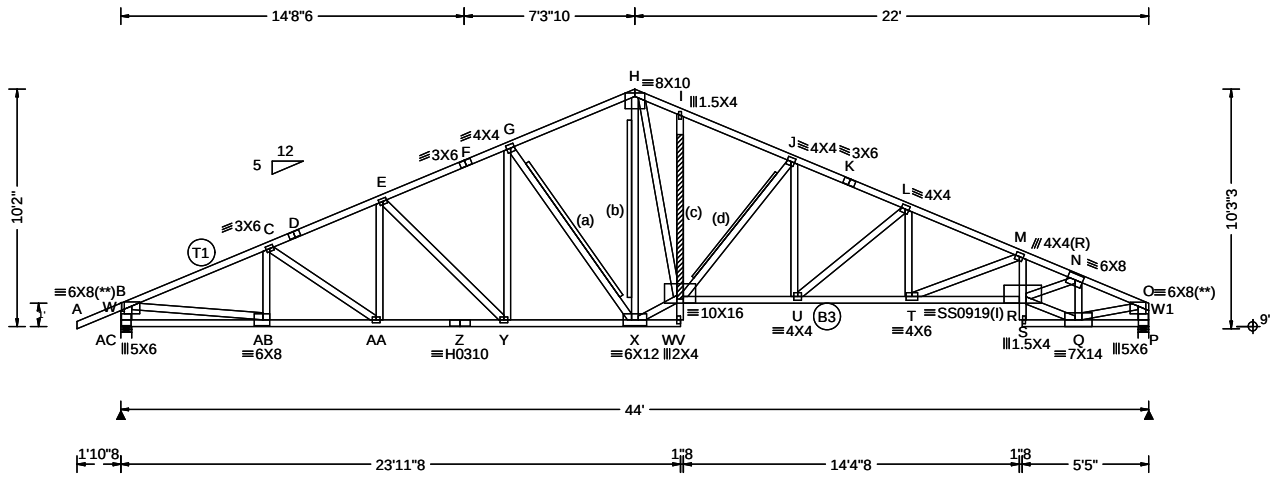
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2938 / T14 / COMN FROM:	Ply: 1 Qty: 2 Wgt: 319.2 lbs	**Job Number:** J29203 - **Truss Label:** T1F	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.40 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.448	I	999	240
VERT(TL): 0.896	I	589	240
HORZ(LL): 0.201	P	-	-
HORZ(TL): 0.402	P	-	-

Mfg Specified Camber:

Max TC CSI: 0.764
Max BC CSI: 0.915
Max Web CSI: 0.920
Creep Factor: 1.5

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2 :T1 2x4 SPF 2100f-1.8E:
Bot chord 2x4 SPF #1/#2 :B3 2x4 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2 :W1 2x6 SPF #1/#2:

Plating Notes
All plates are 3X4 except as noted.

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

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

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

(b) 2x4 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

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

Loading
Truss designed for unbalanced snow loads.

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / Rt
AC	2439	/-	/-	/1108	/-	/219
P	2268	/-	/-	/1013	/-	/-

Wind reactions based on MWFRS
AC Brg Width = 5.5 Min Req = 3.8
P Brg Width = 5.5 Min Req = 3.6
Bearings AC & P are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	H - I	556	-3409
B - C	488	-4103	I - J	530	-3488
C - D	499	-3938	J - K	580	-4108
D - E	515	-3903	K - L	570	-4186
E - F	490	-3462	L - M	649	-4995
F - G	498	-3347	M - N	824	-6343
G - H	469	-2853	N - O	481	-3562

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AC-AB	338	-192	V - U	3772	-365
AB-AA	3710	-410	U - T	4517	-481
AA- Z	3552	-371	T - R	5882	-696
Z - Y	3552	-371	S - Q	151	-20
Y - X	3102	-303	Q - P	142	-25
X - W	61	-7			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AC	410	-2367	V - J	154	-1123
B -AB	3427	-359	J - U	615	-64
AB- C	92	-299	U - L	151	-958
C -AA	60	-201	L - T	512	-50
AA- E	226	-13	T - M	230	-1447
E - Y	100	-622	M - R	797	-103
Y - G	549	-45	R - S	49	-1
G - X	172	-1149	R - N	2659	-287
H - X	8	-805	R - Q	3511	-450
H - V	2861	-342	N - Q	302	-2192
X - V	2902	-230	Q - O	3175	-400
V - W	2	-23	O - P	312	-2212
V - I	109	-428			

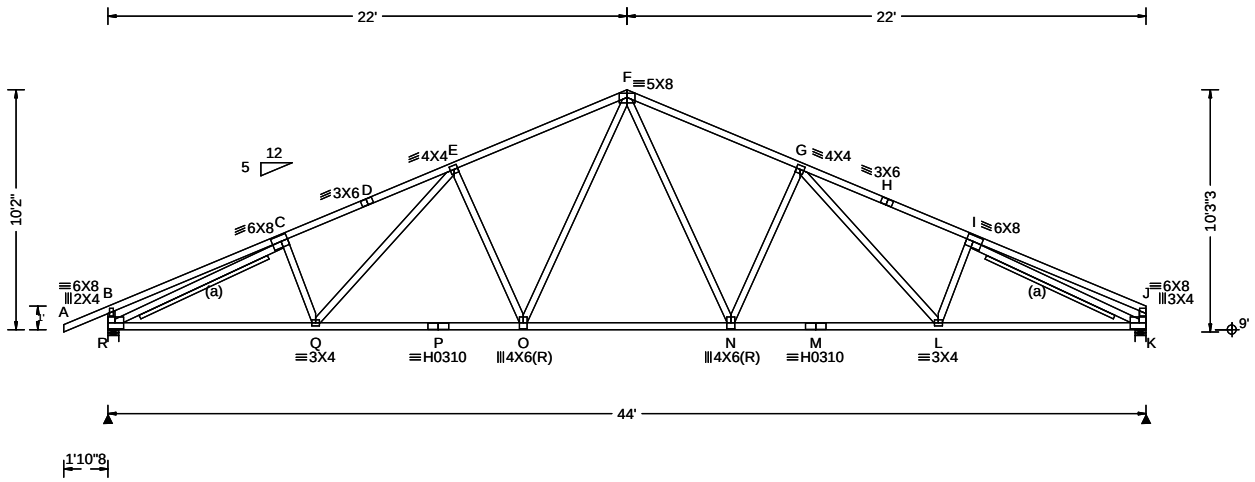
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2941 / T6 / COMN FROM:	Ply: 1 Qty: 2 Wgt: 252.0 lbs	**Job Number:** J29203 - **Truss Label:** T1G	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.40 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.292	N	999	240	Max TC CSI: 0.833
VERT(TL): 0.584	N	904	240	Max BC CSI: 0.528
HORZ(LL): 0.125	J	-	-	Max Web CSI: 0.986
HORZ(TL): 0.250	J	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF 2100f-1.8E
Bot chord 2x4 SPF 2100f-1.8E
Webs 2x4 SPF #1/#2

Bracing

(a) 2x8 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading

Truss designed for unbalanced snow loads.

Wind

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
R	2440	/-	/-	/1110	/229	/219
K	2268	/-	/-	/1018	/204	/-

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 3.1
K Brg Width = 5.5 Min Req = 2.9
Bearings R & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	533	-3340
B - C	128	-318	G - H	598	-3997
C - D	537	-4085	H - I	583	-4116
D - E	552	-3966	I - J	111	-351
E - F	524	-3337			

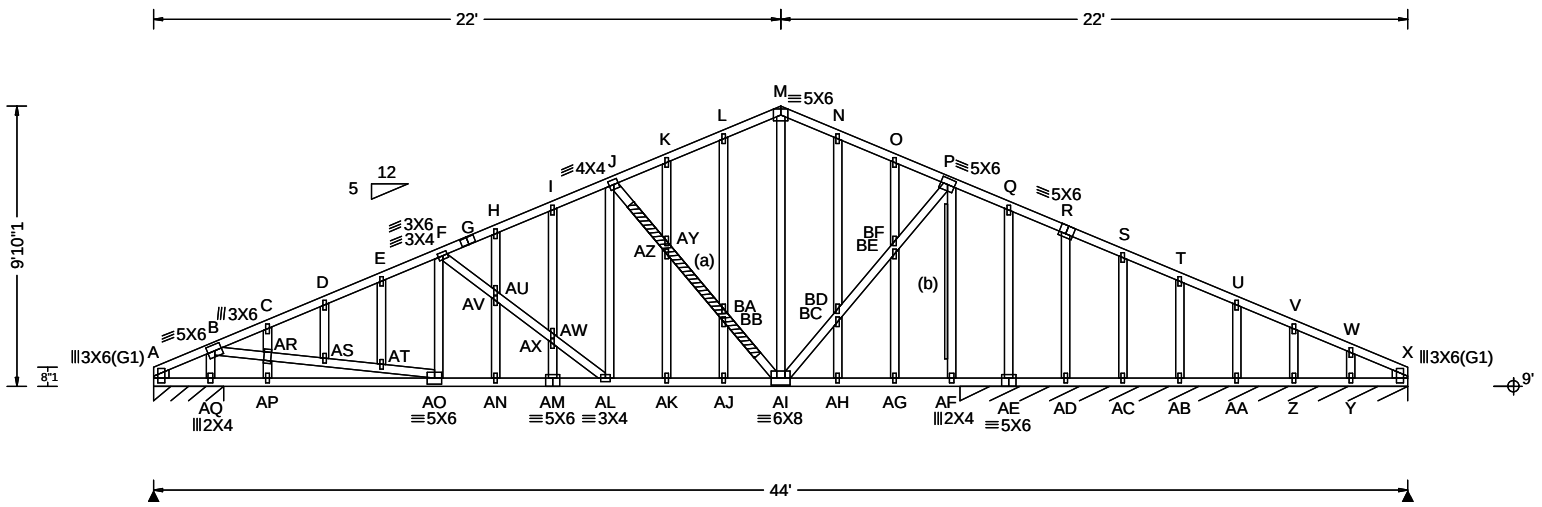
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	3762	-417	N - M	3307	-333
Q - P	3301	-340	M - L	3307	-333
P - O	3301	-340	L - K	3798	-446
O - N	2554	-211			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - R	235	-533	F - N	1208	-141
R - C	428	-4013	N - G	180	-1011
C - Q	136	-262	G - L	588	-104
Q - E	557	-67	L - I	167	-288
E - O	179	-984	I - K	457	-4013
O - F	1180	-140	J - K	116	-363

SEQN: 2943 / T1 / GABL FROM: Page 1 of 2	Ply: 1 Qty: 1 Wgt: 343.0 lbs	**Job Number:** J29203 - **Truss Label:** GE1A	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ Rt
A*	651	/-	/-	/299	/57	/81
X*	191	/-	/-	/85	/17	/-
A		/-159				

Wind reactions based on MWFRS
A Brg Width = 29.5 Min Req = -
X Brg Width = 188 Min Req = -
Bearings A & AF are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	195	-138	M - N	229	-667
B - C	201	-1914	N - O	211	-689
C - D	225	-1876	O - P	194	-722
D - E	242	-1852	P - Q	208	-52
E - F	254	-1801	Q - R	224	-53
F - G	219	-1504	R - S	209	-66
G - H	223	-1475	S - T	210	-66
H - I	234	-1455	T - U	209	-69
I - J	254	-1421	U - V	207	-73
J - K	193	-785	V - W	204	-78
K - L	210	-727	W - X	210	-88
L - M	227	-692			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A -AQ	70	-96	AH-AG	94	-164
AQ-AP	100	-75	AG-AF	94	-164
AP-AO	100	-76	AF-AE	192	-365
AO-AN	1684	-133	AE-AD	96	-181
AN-AM	1684	-133	AD-AC	95	-181
AM-AL	1684	-133	AC-AB	95	-180
AL-AK	1294	-67	AB-AA	94	-178
AK-AJ	1294	-67	AA- Z	94	-177
AJ-AI	1294	-67	Z - Y	92	-175
AI-AH	94	-164	Y - X	89	-171

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AR	1667	-154	J -AY	149	-1009
C -AR	79	-70	AY- K	45	-85
AP-AR	102	-143	AK-AZ	47	-48
AR-AS	1671	-154	AZ-BA	155	-1039
D -AS	23	-107	BA- L	57	-162
AS-AT	1653	-150	AJ-BB	50	-129
E -AT	14	-36	BB-AI	161	-1065
AT-AO	1647	-148	AI-BC	1234	-95
F -AU	91	-500	BC-AH	50	-124
AU- H	17	-29	N -BD	57	-159
AN-AV	15	-25	BD-BE	1217	-93
AV-AW	90	-499	BE-AG	53	-30
AW- I	40	-88	O -BF	45	-86
AM-AX	40	-62	BF- P	1255	-100
AX-AL	94	-521			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
AQ- B	203	-1413	AD- R	38	-137
AO- F	88	-7	AC- S	39	-172
AL- J	550	-76	AB- T	38	-165
M -AI	180	-94	AA- U	38	-166

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.40 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.148	D	999	240	Max TC CSI:	0.559
VERT(TL): 0.313	D	999	240	Max BC CSI:	0.925
HORZ(LL): 0.053	D	-	-	Max Web CSI:	0.847
HORZ(TL): 0.112	D	-	-	Creep Factor: 1.5	

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2
:Lt Stub Wedge 2x4 SPF #1/#2:
:Rt Stub Wedge 2x4 SPF #1/#2:

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

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

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Truss designed for unbalanced snow loads.

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

Additional Notes
See DWGS A12015ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

****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

SEQN: 2943 / T1 / GABL FROM: Page 2 of 2	Ply: 1 Qty: 1 Wgt: 343.0 lbs	**Job Number:** J29203 - **Truss Label:** GE1A	DRW: ... / ... 11/20/2019	P -AF 156 - 1444 Z - V 58 - 163 AE- Q 42 - 192 Y - W 82 - 184

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

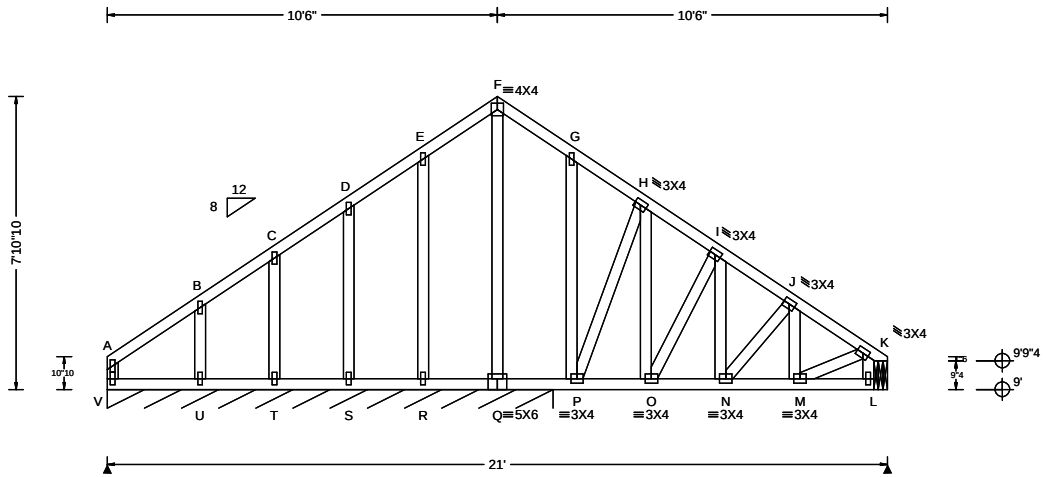
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2860 / T26 / GABL FROM:	Ply: 1 Qty: 1 Wgt: 161.0 lbs	**Job Number:** J29203 - **Truss Label:** GE2	DRW: ... / ... 11/20/2019



RIGHT RAKE = 0"5

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.018	G	999	240	Max TC CSI: 0.095
VERT(TL): 0.037	G	999	240	Max BC CSI: 0.376
HORZ(LL): -0.009	G	-	-	Max Web CSI: 0.228
HORZ(TL): -0.020	G	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

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

Additional Notes
See DWGS A12015ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
V*	147	/-	/-	/66	/8	/14
K	441	/-	/-	/214	/68	/-

Wind reactions based on MWFRS
V Brg Width = 144 Min Req = -
K Brg Width = 4.5 Min Req = 1.5
Bearings V & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	60	-55	F - G	223	-68
B - C	72	-50	G - H	171	-95
C - D	119	-40	H - I	171	-236
D - E	171	-37	I - J	163	-382
E - F	223	-52	J - K	134	-478

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	22	-11	Q - P	298	-292
U - T	25	-14	P - O	179	-99
T - S	26	-15	O - N	265	-61
S - R	27	-17	N - M	360	-84
R - Q	28	-18	M - L	21	-2

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - H	137	-463	N - J	48	-141
O - I	71	-236	M - K	347	-81

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
A - V	13	-90	G - P	62	-144
B - U	88	-211	H - O	356	-85
C - T	61	-158	I - N	135	-25
D - S	69	-167	J - M	50	-52
E - R	73	-194	L - K	27	0
F - Q	40	-219			

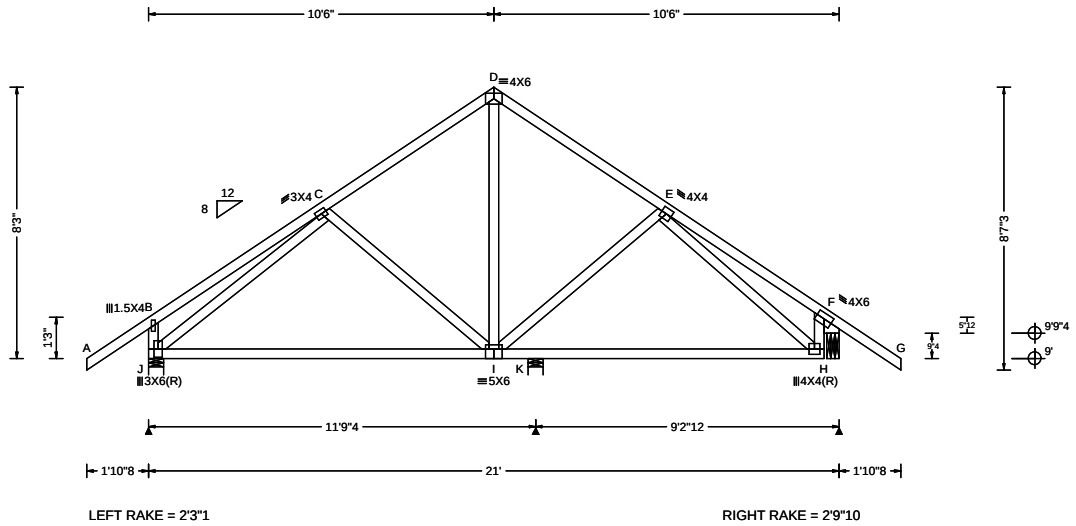
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2861 / T25 / SPEC FROM:	Ply: 1 Qty: 3 Wgt: 135.1 lbs	**Job Number:** J29203 - **Truss Label:** T2	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.041	E	999	240	Max TC CSI: 0.515
VERT(TL): 0.081	E	999	240	Max BC CSI: 0.696
HORZ(LL): 0.034	F	-	-	Max Web CSI: 0.820
HORZ(TL): 0.069	F	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2
:Rt Bearing Leg 2x6 SPF #1/#2:

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
J	1184	/-	/-	/542	/108	/222
K	186	/-	/-	/135	/-	/-
F	1178	/-	/-	/534	/113	/-

Wind reactions based on MWFRS
J Brg Width = 5.5 Min Req = 1.9
K Brg Width = 5.5 Min Req = 1.5
F Brg Width = 4.5 Min Req = 1.5
Bearings J, K, & F are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - G	94	0	C - D	231	-885
A - B	94	0	D - E	229	-887
B - C	150	-214	E - F	179	-107

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	845	-95	I - H	1638	-147

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - J	214	-437	I - E	144	-290
J - C	120	-1005	E - H	111	-1132
C - I	152	-310	F - H	835	-59
D - I	397	-129			

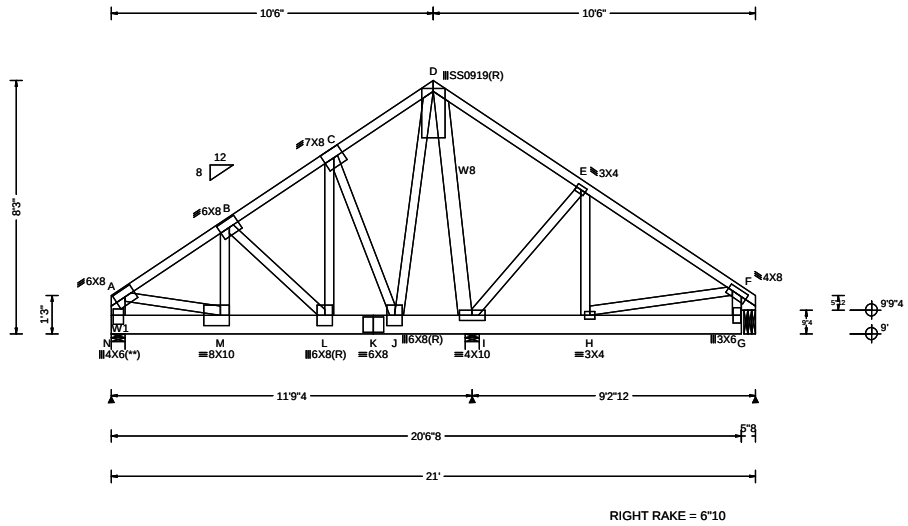
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2920 / T66 / SPEC FROM:	Ply: 2 Qty: 1 Wgt: 380.8 lbs	**Job Number:** J29203 - **Truss Label:** T2A	DRW: ... / ... 11/20/2019



RIGHT RAKE = 6"10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	5721	/-29	/-	/-	/9	/-
I	8263	/-	/-	/-	/151	/-
F	191	/-348	/-	/-	/8	/-

Wind reactions based on MWFRS
N Brg Width = 5.5 Min Req = 3.1
I Brg Width = 5.5 Min Req = 4.0
F Brg Width = 4.5 Min Req = 1.5
Bearings N, I, & F are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	68	-3156	D - E	462	-47
B - C	123	-1808	E - F	422	-32
C - D	163	-824			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	134	-5	J - I	186	-138
M - L	2484	-47	I - H	11	-295
L - K	1387	-96	H - G	0	-2
K - J	1387	-96			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	21	-2337	J - D	2899	0
A - M	2513	-52	D - I	67	-2867
M - B	1704	-16	I - E	32	-250
B - L	12	-1460	E - H	35	-114
L - C	2403	0	H - F	12	-307
C - J	25	-2117	F - G	37	0

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type:
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.060	L	999	240	Max TC CSI:	0.394
VERT(TL): 0.134	L	999	240	Max BC CSI:	0.359
HORZ(LL): 0.021	B	-	-	Max Web CSI:	0.887
HORZ(TL): 0.047	B	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x8 DF-L 2250f-1.9E
Webs 2x4 SPF #1/#2 :W1, W8 2x6 SPF #1/#2:
:Rt Bearing Leg 2x6 SPF #1/#2:

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads
------(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)
TC: From 74 plf at 0.00 to 74 plf at 21.00
BC: From 10 plf at 0.00 to 10 plf at 10.94
BC: From 20 plf at 10.94 to 20 plf at 20.54
BC: 1962 lb Conc. Load at 2.06, 2.94, 4.94, 6.94 8.94
BC: 1939 lb Conc. Load at 10.94

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

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Negative reaction(s) of -348# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

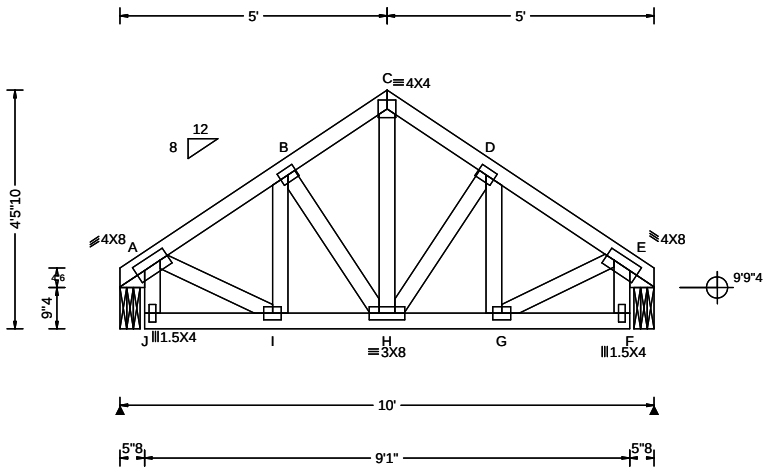
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 3024 / T60 / SPEC FROM:	Ply: 1 Qty: 1 Wgt: 74.2 lbs	**Job Number:** J29203 - **Truss Label:** GE3	DRW: ... / ... 11/20/2019



LEFT RAKE = 6"10 RIGHT RAKE = 6"10

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.014	H	999	240	Max TC CSI: 0.319
VERT(TL): 0.029	H	999	240	Max BC CSI: 0.099
HORZ(LL): 0.013	E	-	-	Max Web CSI: 0.100
HORZ(TL): 0.025	E	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2
:Lt Bearing Leg 2x6 SPF #1/#2:
:Rt Bearing Leg 2x6 SPF #1/#2:

Plating Notes
All plates are 3X4 except as noted.

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

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

Additional Notes
See DWGS A12015ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	519	/-	/-	/233	/41	/78
E	519	/-	/-	/233	/41	/-

Wind reactions based on MWFRS
A Brg Width = 4.5 Min Req = 1.5
E Brg Width = 4.5 Min Req = 1.5
Bearings A & E are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	98	-458	C - D	131	-417
B - C	131	-417	D - E	98	-458

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	1	0	H - G	378	-46
I - H	378	-46	G - F	1	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - I	409	-49	H - D	71	-152
B - H	70	-152	G - E	409	-49

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
J - A	27	0	D - G	42	-132
I - B	42	-132	E - F	27	0
C - H	294	-108			

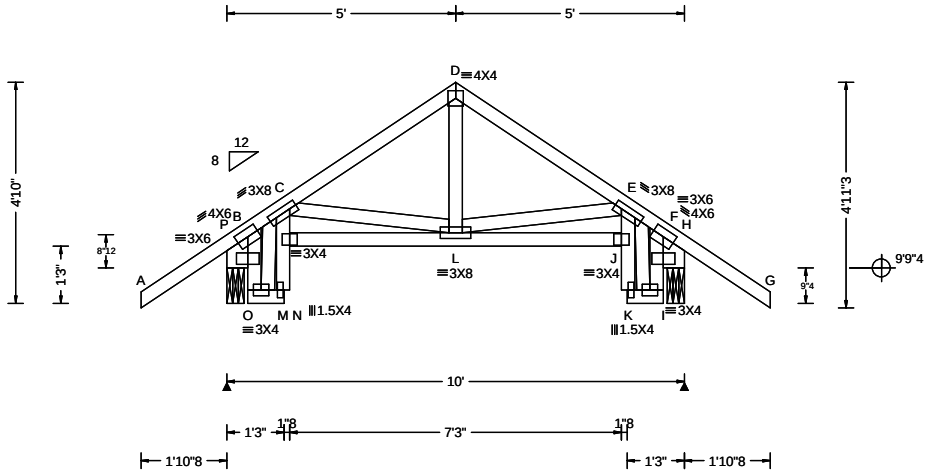
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 3016 / T43 / SPEC FROM:	Ply: 1 Qty: 1 Wgt: 78.4 lbs	**Job Number:** J29203 - **Truss Label:** T3	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'9"10

RIGHT RAKE = 2'9"10

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.017	L	999	240	Max TC CSI: 0.380
VERT(TL): 0.032	L	999	240	Max BC CSI: 0.146
HORZ(LL): 0.042	I	-	-	Max Web CSI: 0.356
HORZ(TL): 0.082	I	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2
:Lt Bearing Leg 2x6 SPF #1/#2:
:Rt Bearing Leg 2x6 SPF #1/#2:

Wind

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
P	689	/-	/-	/336	/65	/135
H	689	/-	/-	/336	/65	/-

Wind reactions based on MWFRS
P Brg Width = 4.5 Min Req = 4.5
H Brg Width = 4.5 Min Req = 4.5
Bearings P & H are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	94	0	D - E	77	-492
B - C	94	-112	E - F	33	-27
C - D	79	-492	F - G	94	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	113	-46	L - J	304	-58
M - L	304	-121	K - I	113	-22

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	410	-77	D - L	124	0
P - B	34	-429	L - E	57	-55
P - O	410	-77	J - K	11	0
O - C	83	-433	J - E	52	0
C - M	53	0	E - I	73	-433
C - L	74	-57	H - I	410	-68
M - N	11	0	F - H	438	-498

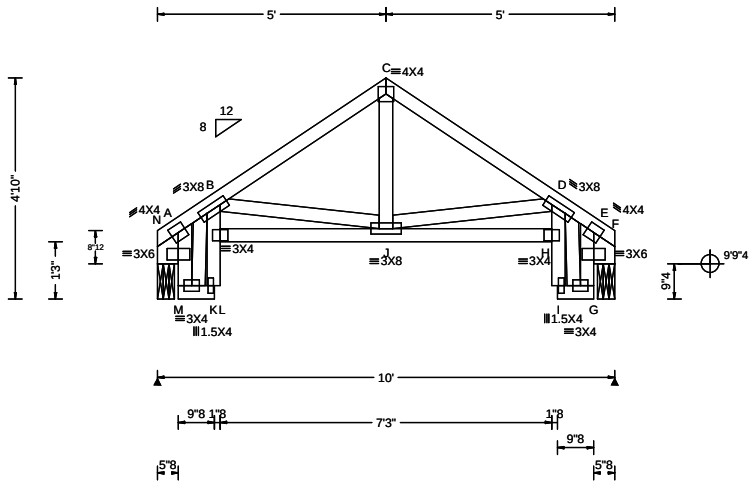
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 3026 / T47 / SPEC FROM:	Ply: 1 Qty: 3 Wgt: 70.0 lbs	**Job Number:** J29203 - **Truss Label:** T3A	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.026	J	999	240	Max TC CSI:	0.289
VERT(TL): 0.052	J	999	240	Max BC CSI:	0.203
HORZ(LL): 0.075	G	-	-	Max Web CSI:	0.618
HORZ(TL): 0.152	G	-	-	Creep Factor: 1.5	

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2
:Lt Bearing Leg 2x6 SPF #1/#2:
:Rt Bearing Leg 2x6 SPF #1/#2:

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
N	519	/-	/-	/225	/41	/78
F	519	/-	/-	/225	/41	/-

Wind reactions based on MWFRS
N Brg Width = 4.5 Min Req = 4.5
F Brg Width = 4.5 Min Req = 4.5
Bearings N & F are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	47	-102	C - D	116	-566
B - C	116	-566	D - E	24	-101

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	197	-41	J - H	526	-107
K - J	526	-107	I - G	197	-41

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	387	-80	C - J	142	-13
N - A	94	-516	J - D	88	-115
N - M	387	-80	H - I	10	0
M - B	89	-412	H - D	55	0
B - K	56	0	D - G	89	-412
B - J	88	-115	F - G	387	-80
K - L	10	0	E - F	481	-597

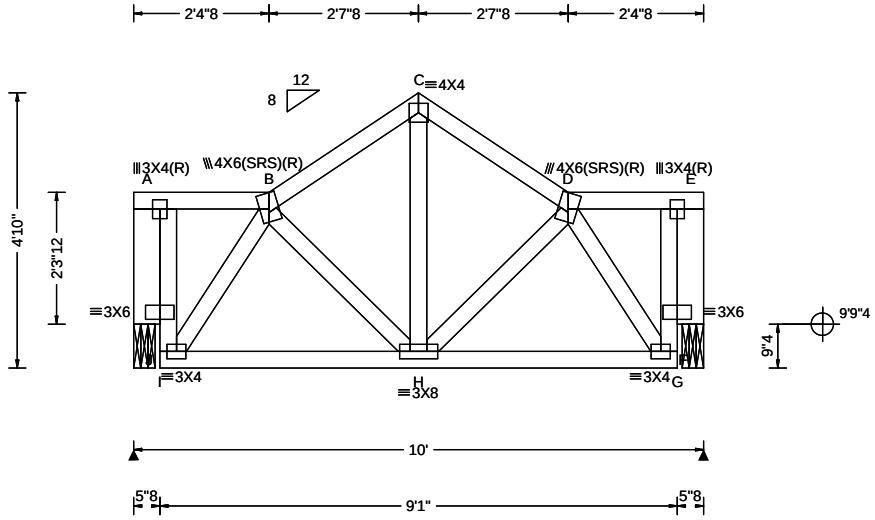
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2866 / T34 / SPEC FROM:	Ply: 1 Qty: 1 Wgt: 81.2 lbs	**Job Number:** J29203 - **Truss Label:** T3B	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	519	/-	/-	/209	/45	/40
F	519	/-	/-	/209	/45	/-

Wind reactions based on MWFRS
J Brg Width = 4.5 Min Req = 4.5
F Brg Width = 4.5 Min Req = 4.5
Bearings J & F are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	9	- 38	C - D	92	- 394
B - C	92	- 394	D - E	9	- 38

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	291	- 66	H - G	291	- 66

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	405	- 76	C - H	130	- 27
J - A	125	- 524	H - D	55	- 18
J - I	405	- 76	D - G	101	- 447
I - B	101	- 447	F - G	405	- 76
B - H	55	- 15	E - F	530	- 601

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.006	H	999	240	Max TC CSI:	0.081
VERT(TL): 0.013	H	999	240	Max BC CSI:	0.149
HORZ(LL): 0.004	G	-	-	Max Web CSI:	0.148
HORZ(TL): 0.008	G	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2
:Lt Bearing Leg 2x6 SPF #1/#2:
:Rt Bearing Leg 2x6 SPF #1/#2:

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

End verticals not exposed to wind pressure.

Additional Notes
Snow loading based on an unobstructed roof. Complete drainage required.

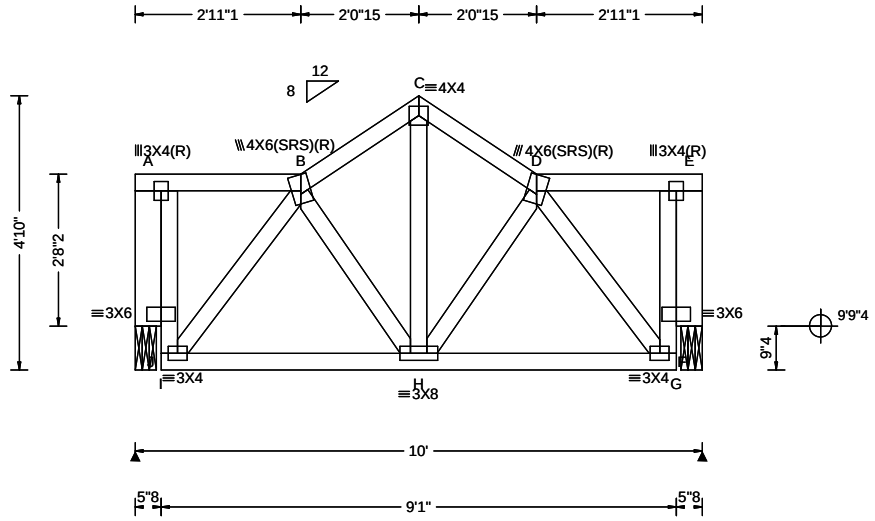
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2867 / T29 / SPEC FROM:	Ply: 1 Qty: 1 Wgt: 81.2 lbs	**Job Number:** J29203 - **Truss Label:** T3C	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	519	/-	/-	/208	/47	/32
F	519	/-	/-	/208	/47	/-

Wind reactions based on MWFRS
J Brg Width = 4.5 Min Req = 4.5
F Brg Width = 4.5 Min Req = 4.5
Bearings J & F are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	10	- 39	C - D	91	- 379
B - C	91	- 379	D - E	10	- 39

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	302	- 70	H - G	302	- 70

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	373	- 70	C - H	183	- 44
J - A	146	- 557	H - D	55	- 46
J - I	373	- 70	D - G	98	- 427
I - B	98	- 427	F - G	373	- 70
B - H	55	- 46	E - F	519	- 626

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.007	H	999	240	Max TC CSI:	0.079
VERT(TL): 0.014	H	999	240	Max BC CSI:	0.150
HORZ(LL): 0.004	G	-	-	Max Web CSI:	0.142
HORZ(TL): 0.009	G	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2
:Lt Bearing Leg 2x6 SPF #1/#2:
:Rt Bearing Leg 2x6 SPF #1/#2:

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Additional Notes
Snow loading based on an unobstructed roof. Complete drainage required.

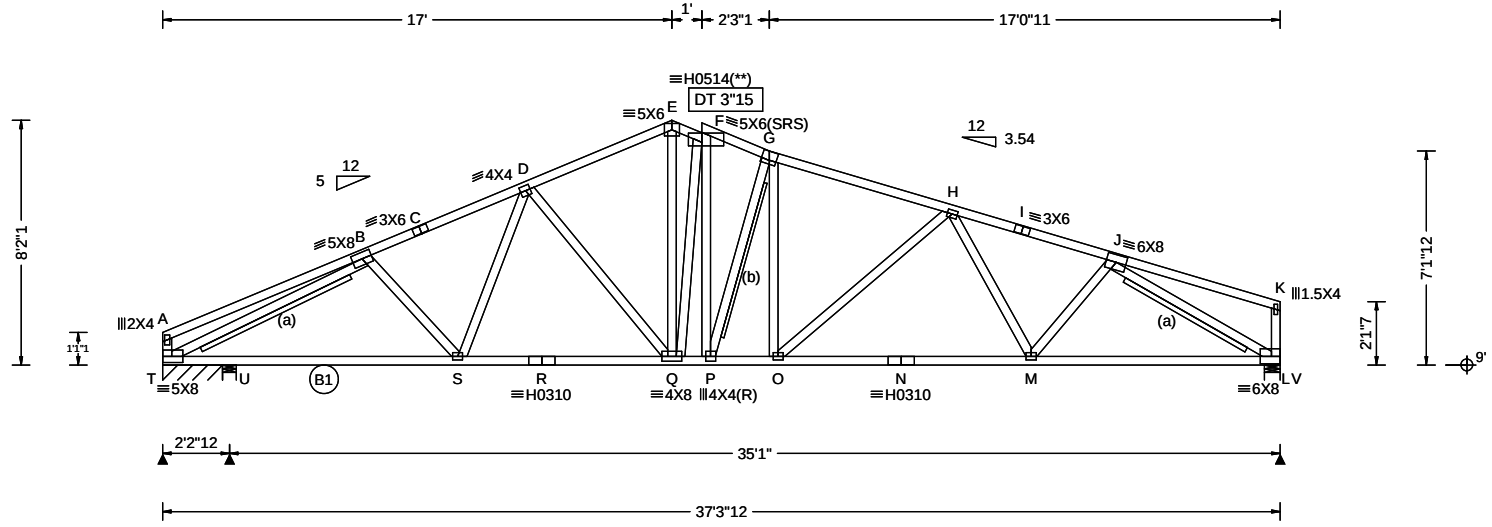
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2946 / T33 / GABL FROM:	Ply: 1 Qty: 1 Wgt: 250.6 lbs	**Job Number:** J29203 - **Truss Label:** GE4	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.73 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.238	O	999	240	Max TC CSI: 0.668
VERT(TL): 0.478	O	881	240	Max BC CSI: 0.968
HORZ(LL): 0.094	L	-	-	Max Web CSI: 0.959
HORZ(TL): 0.188	L	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2 :B1 2x4 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2

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

(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes
All plates are 3X4 except as noted.

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

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Truss designed for unbalanced snow loads.

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

Right end vertical not exposed to wind pressure.

Additional Notes
See DWGS A12015ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

▲Maximum Reactions (lbs), or *=PLF

Loc	R+	/ R-	/ Rh	Gravity / Rw	/ U	Non-Gravity / RL
T*	871	/-	/-	/332	/13	/69
U	193	/-	/-	/191	/-	/-
V	2004	/-	/-	/836	/-	/-

Wind reactions based on MWFRS
T Brg Width = 24.0 Min Req = -
U Brg Width = 5.5 Min Req = 1.5
V Brg Width = 6.3 Min Req = 3.1
Bearings T, U, & V are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	98	-215	F - G	466	-2555
B - C	480	-3103	G - H	456	-2805
C - D	495	-3039	H - I	454	-3068
D - E	450	-2528	I - J	447	-3155
E - F	441	-2273	J - K	42	-112

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	5848	-816	P - O	2598	-317
S - R	2668	-340	O - N	3001	-383
R - Q	2668	-340	N - M	3001	-383
Q - P	2293	-261	M - L	2729	-356

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - B	419	-3189	P - G	214	-1246
B - S	142	-232	G - O	547	-28
S - D	316	-43	O - H	86	-596
D - Q	131	-816	H - M	111	-162
E - Q	932	-154	M - J	432	-19
Q - F	135	-506	J - L	414	-3171
F - P	1058	-207			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
A - T	104	-290	K - L	72	-243

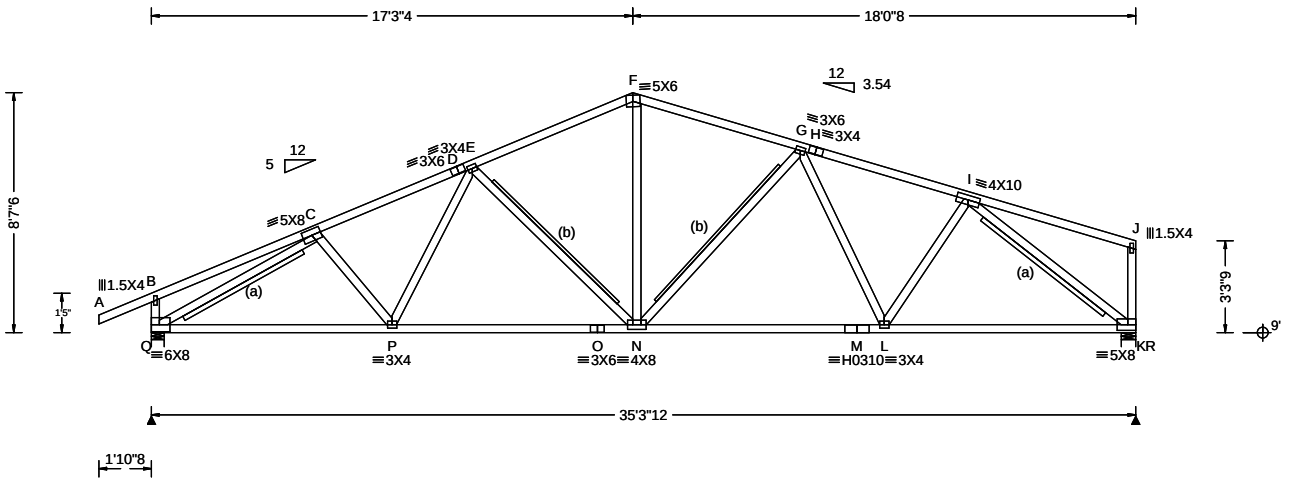
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2869 / T39 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 210.0 lbs	**Job Number:** J29203 - **Truss Label:** T4	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.53 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.162	N	999	240	Max TC CSI: 0.696
VERT(TL): 0.321	N	999	240	Max BC CSI: 0.864
HORZ(LL): 0.079	K	-	-	Max Web CSI: 0.697
HORZ(TL): 0.156	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1987	/-	/-	/894	/24	/145
R	1806	/-	/-	/780	/15	/-

Wind reactions based on MWFRS
Q Brg Width = 5.5 Min Req = 3.1
R Brg Width = 6.3 Min Req = 2.8
Bearings Q & R are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	361	-2117
B - C	102	-156	G - H	349	-2185
C - D	379	-2791	H - I	348	-2312
D - E	381	-2622	I - J	51	-89
E - F	356	-2203			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	2495	-339	N - M	2218	-260
P - O	2401	-304	M - L	2218	-260
O - N	2401	-304	L - K	1926	-251

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Q	212	-424	N - G	83	-573
Q - C	311	-2855	G - L	85	-210
C - P	154	-27	L - I	460	-6
P - E	229	-19	I - K	316	-2427
E - N	130	-823	J - K	75	-219
F - N	902	-108			

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading
Truss designed for unbalanced snow loads.

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

Right end vertical not exposed to wind pressure.

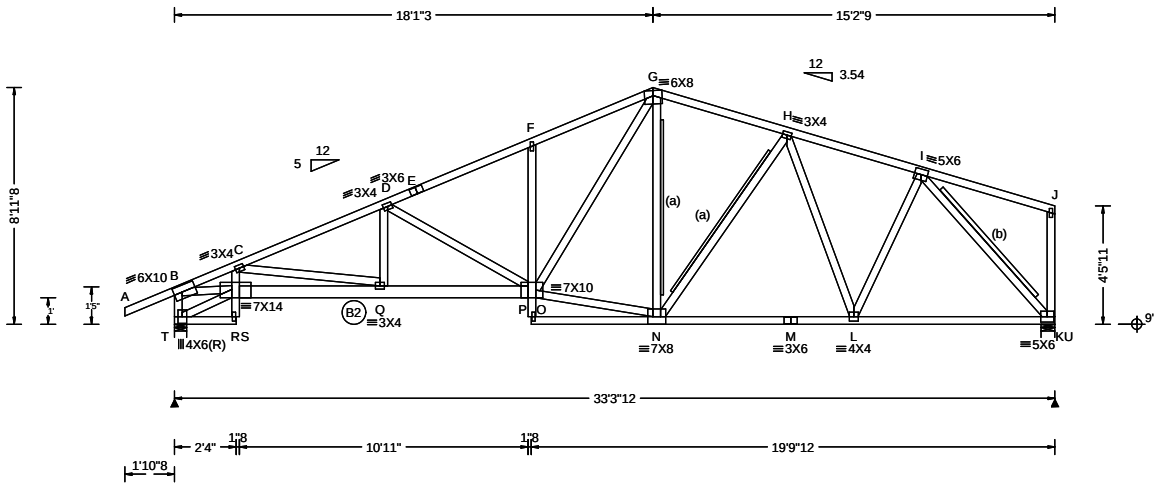
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2967 / T38 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 239.4 lbs	**Job Number:** J29203 - **Truss Label:** T4A	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.33 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.206	F	999	240	Max TC CSI: 0.661
VERT(TL): 0.415	F	962	240	Max BC CSI: 0.750
HORZ(LL): 0.127	K	-	-	Max Web CSI: 0.924
HORZ(TL): 0.252	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2 :B2 2x6 SPF #1/#2:
Webs 2x4 SPF #1/#2

Bracing
(a) 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
(b) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1886	/-	/-	/854	/25	/146
U	1706	/-	/-	/707	/23	/-

Wind reactions based on MWFRS
T Brg Width = 5.5 Min Req = 3.0
U Brg Width = 6.3 Min Req = 2.7
Bearings T & U are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	463	-2809
B - C	590	-4135	G - H	320	-1786
C - D	445	-3496	H - I	276	-1694
D - E	384	-2812	I - J	70	-47
E - F	402	-2775			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	167	-27	N - M	1699	-208
R - Q	3901	-626	M - L	1699	-208
Q - O	3151	-432	L - K	1314	-177
P - N	56	-9			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	373	-1778	O - P	44	0
B - R	3767	-508	O - G	1790	-254
T - R	88	-210	O - N	1657	-192
R - S	33	0	G - N	101	-402
R - C	170	-57	N - H	175	-286
C - Q	199	-756	H - L	78	-417
Q - D	181	0	L - I	622	-40
D - O	118	-752	I - K	266	-1978
F - O	115	-590	J - K	61	-166

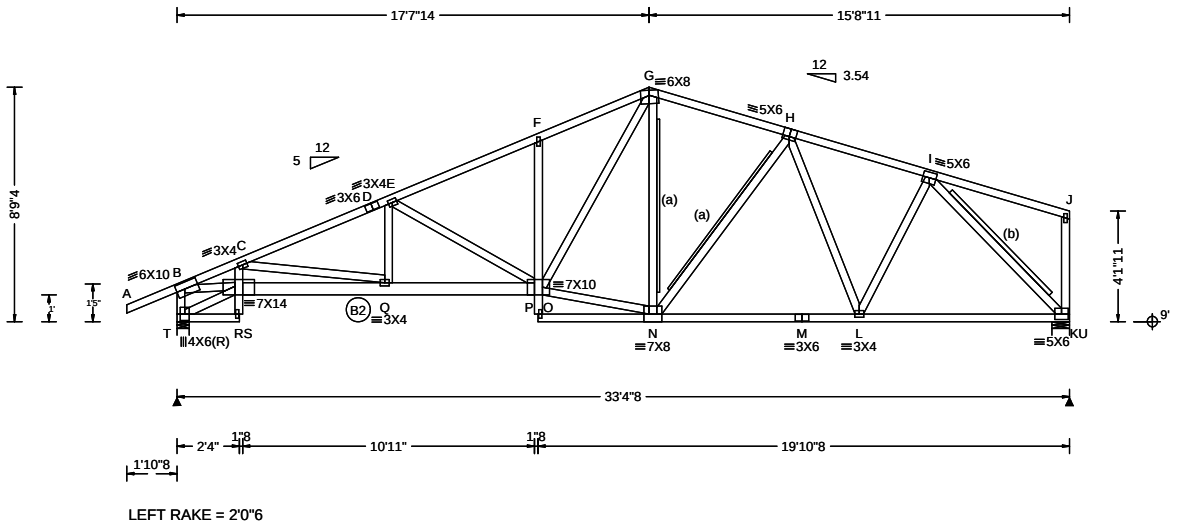
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2965 / T40 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 242.2 lbs	**Job Number:** J29203 - **Truss Label:** T4B	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.34 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.207	F	999	240	Max TC CSI: 0.660
VERT(TL): 0.414	F	966	240	Max BC CSI: 0.751
HORZ(LL): 0.129	K	-	-	Max Web CSI: 0.925
HORZ(TL): 0.256	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2 :B2 2x6 SPF #1/#2:
Webs 2x4 SPF #1/#2

Bracing
(a) 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
(b) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

Loc	R+	Gravity / R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
T	1888	/-	/-	/852	/26	/144
U	1707	/-	/-	/714	/22	/-

Wind reactions based on MWFRS
T Brg Width = 5.5 Min Req = 3.0
U Brg Width = 7.8 Min Req = 2.7
Bearings T & U are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	463	-2780
B - C	584	-4139	G - H	326	-1839
C - D	445	-3501	H - I	289	-1803
D - E	448	-3344	I - J	55	-66
E - F	405	-2816			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	167	-26	N - M	1790	-217
R - Q	3905	-612	M - L	1790	-217
Q - O	3156	-426	L - K	1423	-190
P - N	53	-9			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	371	-1780	O - P	35	0
B - R	3770	-503	O - G	1791	-253
T - R	90	-207	O - N	1722	-195
R - S	33	0	G - N	98	-400
R - C	171	-55	N - H	115	-346
C - Q	191	-754	H - L	78	-366
Q - E	181	0	L - I	577	-32
E - O	118	-768	I - K	270	-2026
F - O	111	-570	J - K	66	-184

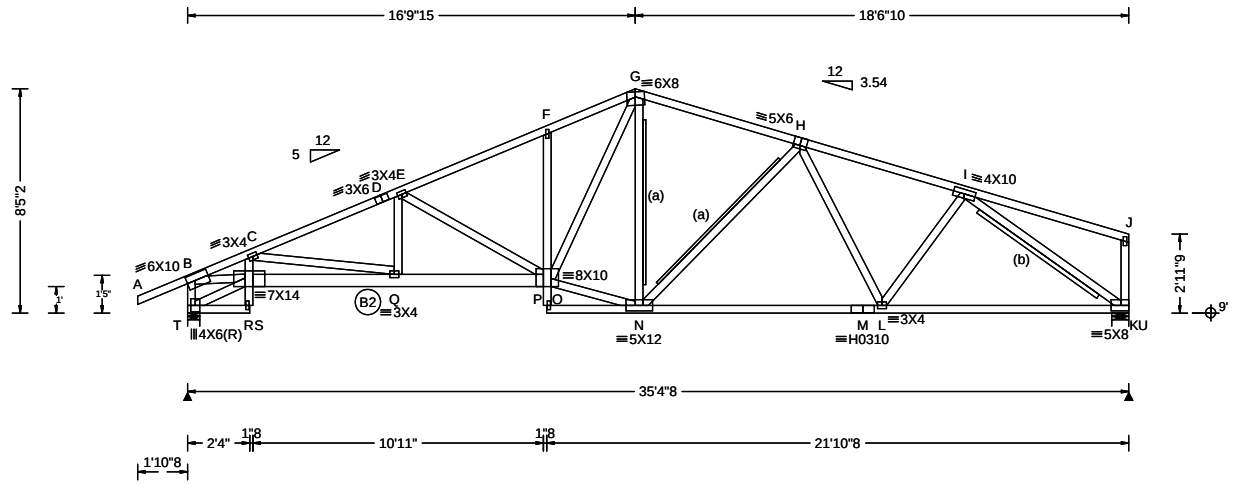
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2963 / T41 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 239.4 lbs	**Job Number:** J29203 - **Truss Label:** T4C	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.54 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.247	F	999	240	Max TC CSI: 0.754
VERT(TL): 0.490	F	867	240	Max BC CSI: 0.900
HORZ(LL): 0.151	K	-	-	Max Web CSI: 0.984
HORZ(TL): 0.299	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2 :B2 2x6 SPF #1/#2:
Webs 2x4 SPF #1/#2

Bracing
(a) 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
(b) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
T	1990	/-	/-	/887	/26	/143
U	1809	/-	/-	/785	/15	/-

Wind reactions based on MWFRS
T Brg Width = 5.5 Min Req = 3.1
U Brg Width = 7.8 Min Req = 2.8
Bearings T & U are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	496	-3022
B - C	592	-4400	G - H	366	-2165
C - D	480	-3764	H - I	366	-2471
D - E	483	-3607	I - J	47	-98
E - F	444	-3085			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	177	-25	N - M	2340	-272
R - Q	4153	-591	M - L	2340	-272
Q - O	3401	-429	L - K	2100	-271
P - N	50	-9			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	376	-1877	O - P	9	0
B - R	4009	-510	O - G	1878	-262
T - R	104	-213	O - N	2077	-217
R - S	33	0	G - N	111	-374
R - C	180	-54	N - H	96	-660
C - Q	166	-759	H - L	111	-150
Q - E	179	0	L - I	415	0
E - O	116	-795	I - K	330	-2556
F - O	106	-527	J - K	77	-227

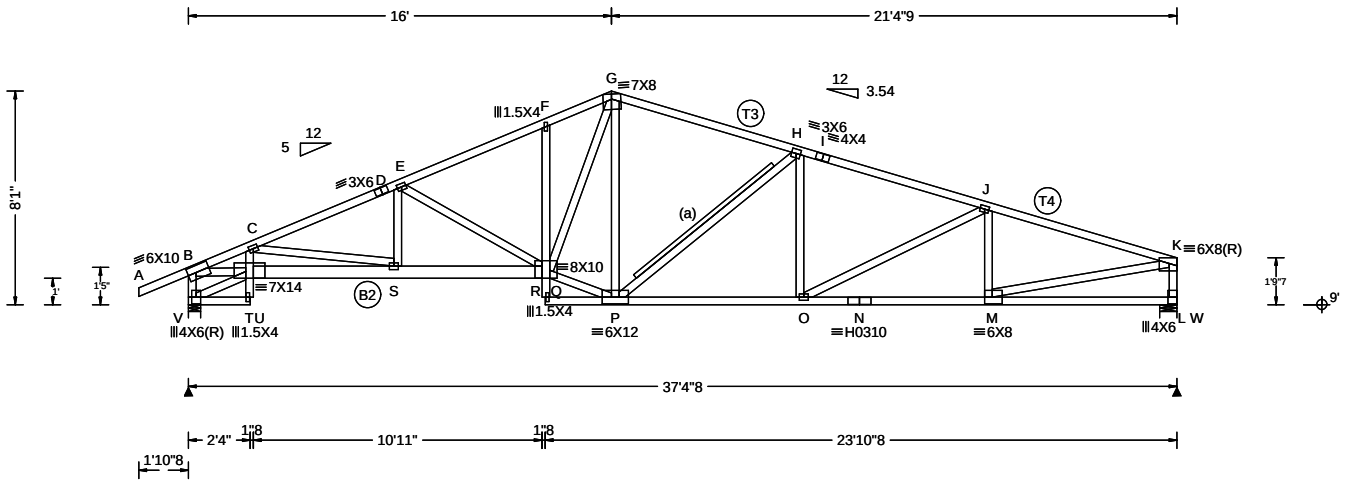
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2961 / T42 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 245.0 lbs	**Job Number:** J29203 - **Truss Label:** T4D	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.74 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.290	F	999	240	Max TC CSI: 0.748
VERT(TL): 0.577	F	777	240	Max BC CSI: 0.896
HORZ(LL): 0.151	L	-	-	Max Web CSI: 0.983
HORZ(TL): 0.300	L	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2 :T3, T4 2x4 SPF 2100f-1.8E:
Bot chord 2x4 SPF #1/#2 :B2 2x6 SPF #1/#2:
Webs 2x4 SPF #1/#2

Bracing

(a) 2x4 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes

All plates are 3X4 except as noted.

Loading

Truss designed for unbalanced snow loads.

Wind

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
V	2092	/-	/-	/921	/25	/144
W	1911	/-	/-	/855	/8	/-

Wind reactions based on MWFRS
V Brg Width = 5.5 Min Req = 3.3
W Brg Width = 7.8 Min Req = 3.0
Bearings V & W are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	526	-3269
B - C	563	-4397	G - H	403	-2479
C - D	511	-4024	H - I	458	-3106
D - E	514	-3867	I - J	456	-3249
E - F	479	-3355	J - K	443	-3373

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	174	-23	P - O	3025	-333
T - S	4141	-532	O - N	3203	-388
S - Q	3641	-428	N - M	3203	-388
R - P	56	-9	M - L	69	-14

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - V	380	-1985	Q - G	2112	-281
B - T	4007	-483	Q - P	2480	-243
V - T	118	-211	G - P	88	-489
T - U	33	0	P - H	147	-1113
T - C	111	-52	H - O	249	0
C - S	138	-505	O - J	62	-189
S - E	177	-3	J - M	126	-515
E - Q	113	-833	M - K	3169	-375
F - Q	103	-493	K - L	278	-1847
Q - R	1	-2			

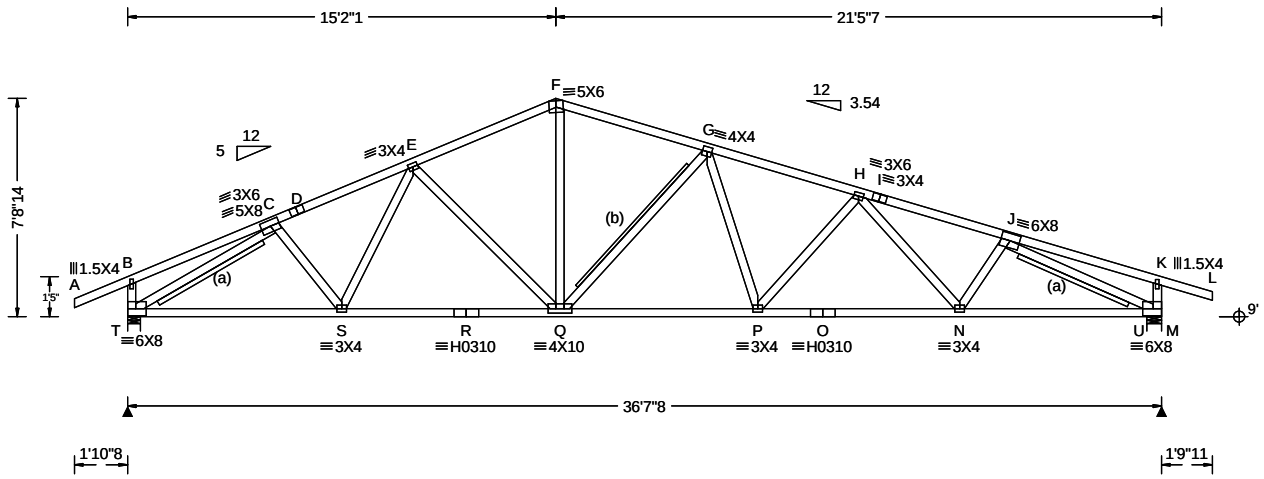
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2874 / T3 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 214.2 lbs	**Job Number:** J29203 - **Truss Label:** T4E	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

RIGHT RAKE = 1'10"10

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.66 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.263	P	999	240	Max TC CSI: 0.613
VERT(TL): 0.518	P	849	240	Max BC CSI: 0.908
HORZ(LL): 0.105	M	-	-	Max Web CSI: 0.967
HORZ(TL): 0.207	M	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading
Truss designed for unbalanced snow loads.

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
T	2050	/-	/-	/902	/24	/150
U	2034	/-	/-	/925	/56	/-

Wind reactions based on MWFRS
T Brg Width = 5.5 Min Req = 3.2
U Brg Width = 6.3 Min Req = 3.2
Bearings T & U are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	G - H	450	-3239
B - C	101	-129	H - I	445	-3392
C - D	378	-2910	I - J	442	-3500
D - E	395	-2878	J - K	69	-114
E - F	396	-2525	K - L	44	0
F - G	391	-2438			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	2526	-271	P - O	3326	-360
S - R	2587	-259	O - N	3326	-360
R - Q	2587	-259	N - M	3174	-357
Q - P	2911	-300			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	216	-395	G - P	492	-35
T - C	327	-2947	P - H	82	-435
C - S	246	-13	H - N	87	-97
S - E	154	-30	N - J	274	0
E - Q	110	-717	J - M	398	-3499
F - Q	1181	-144	K - M	193	-391
Q - G	152	-1127			

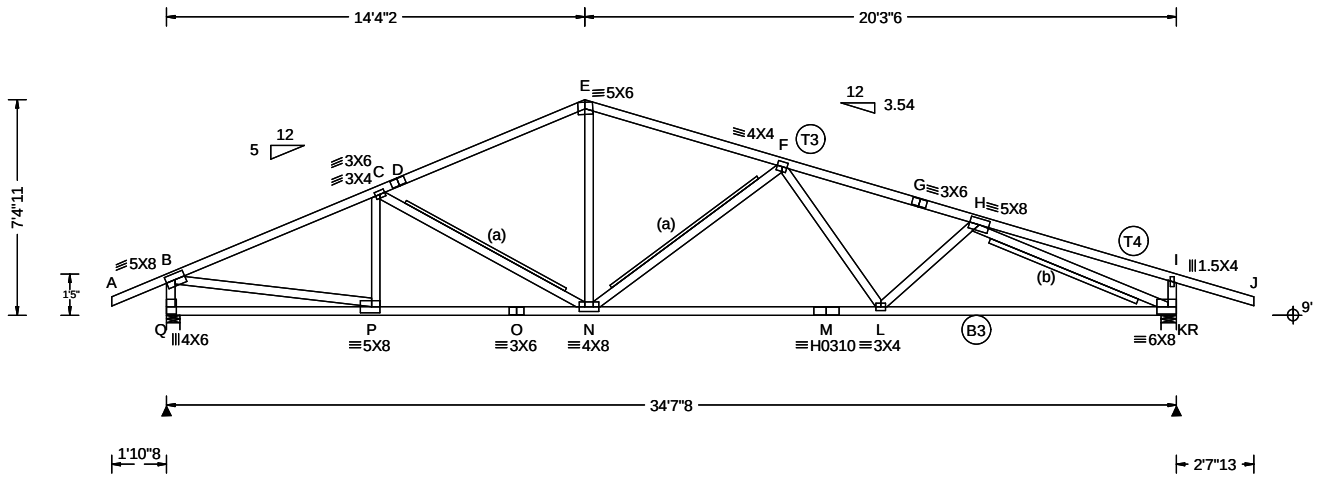
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2970 / T44 / COMN	Ply: 1	**Job Number:** J29203	DRW:
FROM:	Qty: 1	- ,	... / ... 11/20/2019
	Wgt: 193.2 lbs	**Truss Label:** T4F	



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'9"3

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.46 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.222	F	999	240	Max TC CSI: 0.900
VERT(TL): 0.434	F	956	240	Max BC CSI: 0.952
HORZ(LL): 0.071	K	-	-	Max Web CSI: 0.939
HORZ(TL): 0.139	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF 2100f-1.8E :T3, T4 2x4 SPF #1/#2:
Bot chord 2x4 SPF #1/#2 :B3 2x4 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2

Bracing

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

(b) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading

Truss designed for unbalanced snow loads.

Wind

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

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1943	/-	/-	/851	/24	/145
R	2021	/-	/-	/912	/86	/-

Wind reactions based on MWFRS
Q Brg Width = 5.5 Min Req = 3.0
R Brg Width = 6.3 Min Req = 2.6
Bearings Q & R are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	415	-3232
B - C	355	-2834	G - H	402	-3281
C - D	340	-2426	H - I	70	-148
D - E	367	-2404	I - J	65	0
E - F	360	-2321			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	169	-142	N - M	2926	-299
P - O	2531	-245	M - L	2926	-299
O - N	2531	-245	L - K	3091	-341

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Q	348	-1879	N - F	150	-1103
B - P	2479	-254	F - L	301	0
P - C	117	-245	L - H	160	-46
C - N	107	-708	H - K	378	-3334
E - N	964	-95	I - K	255	-537

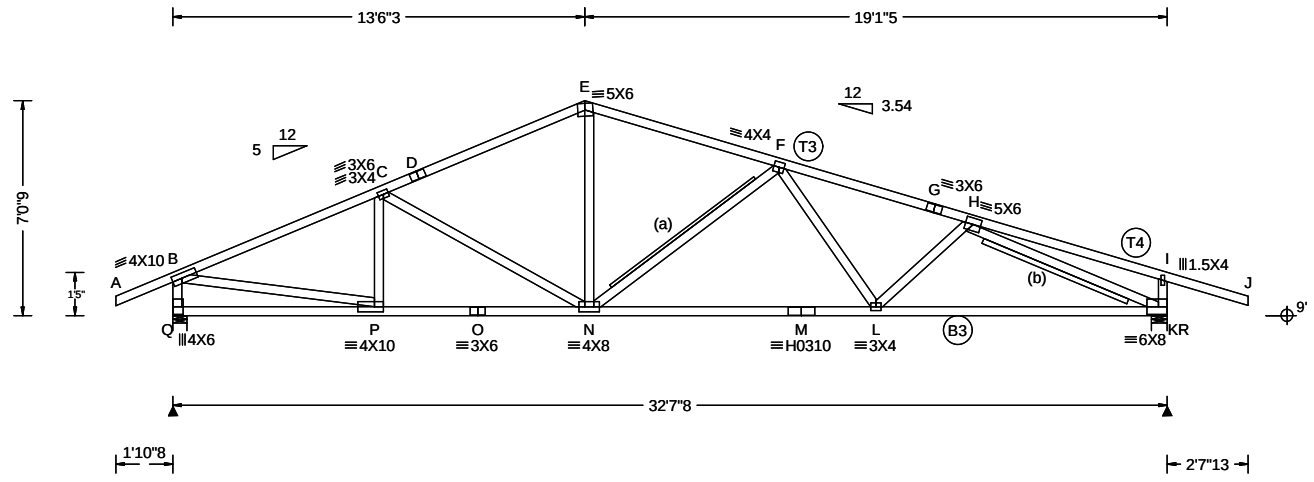
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2973 / T46 / COMN	Ply: 1	**Job Number:** J29203	DRW:
FROM:	Qty: 1	- ,	... / ... 11/20/2019
	Wgt: 182.0 lbs	**Truss Label:** T4G	



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'9"3

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.26 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.190	F	999	240	Max TC CSI: 0.774
VERT(TL): 0.374	F	999	240	Max BC CSI: 0.877
HORZ(LL): 0.062	K	-	-	Max Web CSI: 0.934
HORZ(TL): 0.120	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF 2100f-1.8E :T3, T4 2x4 SPF #1/#2:
Bot chord 2x4 SPF #1/#2 :B3 2x4 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2

Bracing

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

(b) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading

Truss designed for unbalanced snow loads.

Wind

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
Q	1840	/-	/-	/802	/26	/135
R	1927	/-	/-	/857	/93	/-

Wind reactions based on MWFRS
Q Brg Width = 5.5 Min Req = 2.9
R Brg Width = 6.3 Min Req = 2.4
Bearings Q & R are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	384	-3026
B - C	327	-2621	G - H	369	-3057
C - D	319	-2261	H - I	69	-130
D - E	342	-2223	I - J	65	0
E - F	335	-2163			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	154	-132	N - M	2740	-275
P - O	2340	-223	M - L	2740	-275
O - N	2340	-223	L - K	2856	-310

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Q	333	-1779	N - F	139	-1034
B - P	2301	-234	F - L	260	0
P - C	110	-248	L - H	158	-15
C - N	98	-645	H - K	346	-3103
E - N	893	-87	I - K	252	-522

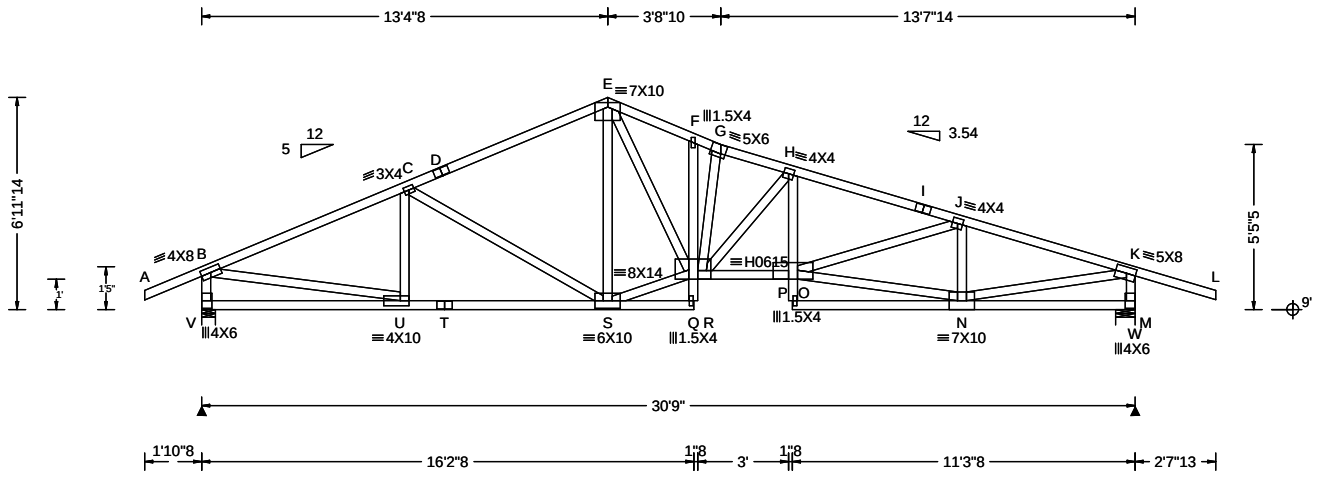
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2877 / T37 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 214.2 lbs	**Job Number:** J29203 - **Truss Label:** T4H	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.08 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.236	G	999	240	Max TC CSI: 0.845
VERT(TL): 0.472	O	782	240	Max BC CSI: 0.855
HORZ(LL): 0.075	M	-	-	Max Web CSI: 0.680
HORZ(TL): 0.148	M	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Plating Notes
All plates are 3X6 except as noted.

Loading
Truss designed for unbalanced snow loads.

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

****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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
V	1745	/-	/-	/756	/11	/132
W	1968	/-	/-	/799	/88	/-

Wind reactions based on MWFRS
V Brg Width = 5.5 Min Req = 2.7
W Brg Width = 7.8 Min Req = 3.1
Bearings V & W are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	G - H	461	-2983
B - C	341	-2448	H - I	519	-3637
C - D	329	-2060	I - J	506	-3669
D - E	352	-2024	J - K	375	-2937
E - F	499	-2993	K - L	76	0
F - G	472	-2969			

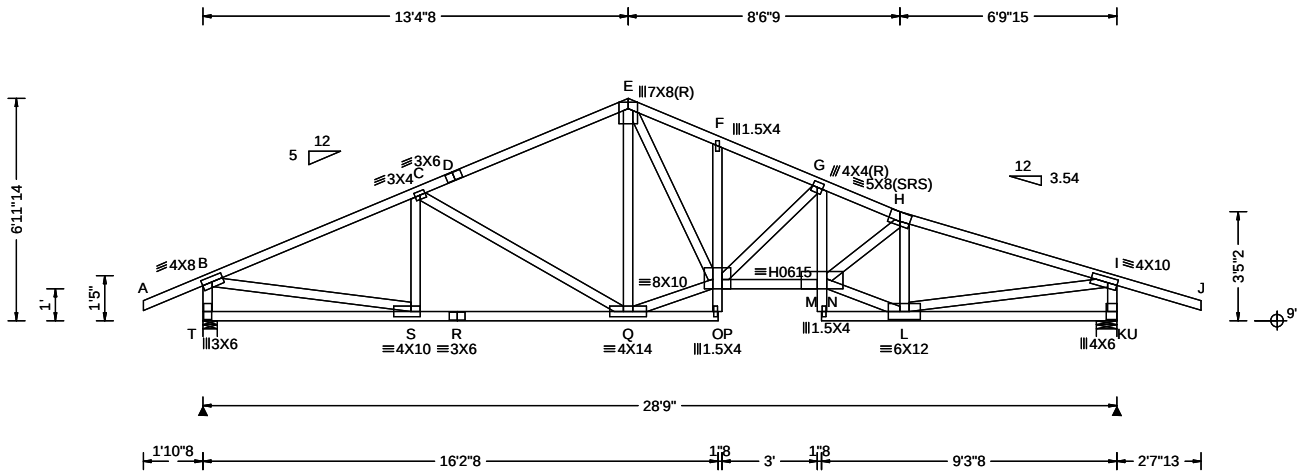
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	151	-131	Q - O	3461	-408
U - T	2181	-218	P - N	108	-11
T - S	2181	-218	N - M	39	-10
S - R	54	-7			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - V	335	-1686	Q - G	75	-398
B - U	2141	-246	Q - H	136	-940
U - C	122	-219	H - O	417	-19
C - S	89	-619	O - P	61	0
E - S	58	-481	O - J	759	-109
E - Q	2223	-302	O - N	2718	-310
S - Q	1884	-163	J - N	154	-961
Q - R	11	0	N - K	2770	-316
Q - F	122	-214	K - M	373	-1913

SEQN: 2878 / T36 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 191.8 lbs	**Job Number:** J29203 - **Truss Label:** T4J	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'9"3

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.193	F	999	240	Max TC CSI: 0.950
VERT(TL): 0.390	M	884	240	Max BC CSI: 0.783
HORZ(LL): 0.062	K	-	-	Max Web CSI: 0.692
HORZ(TL): 0.122	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Loading
Truss designed for unbalanced snow loads.

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
T	1643	/-	/-	/715	/-	/138
U	1885	/-	/-	/751	/65	/-

Wind reactions based on MWFRS
T Brg Width = 5.5 Min Req = 2.6
U Brg Width = 7.8 Min Req = 3.0
Bearings T & U are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	384	-2680
B - C	300	-2276	G - H	467	-3492
C - D	282	-1838	H - I	366	-2786
D - E	305	-1803	I - J	78	0
E - F	417	-2659			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	153	-132	O - M	3164	-323
S - R	2026	-180	N - L	65	-9
R - Q	2026	-180	L - K	55	-7
Q - P	47	-6			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	312	-1585	O - G	151	-1038
B - S	1995	-208	G - M	791	-113
S - C	125	-193	M - N	13	-4
C - Q	97	-645	M - H	664	-70
E - Q	49	-394	M - L	2821	-323
E - O	1923	-228	H - L	211	-1463
Q - O	1671	-118	L - I	2554	-290
O - P	11	0	I - K	372	-1820
O - F	73	-368			

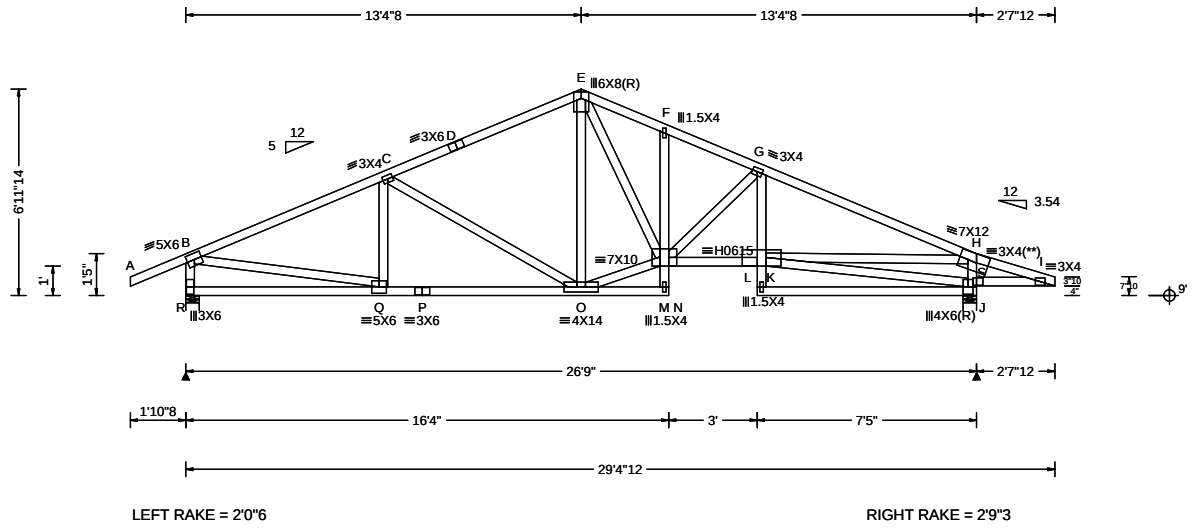
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2879 / T7 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 187.6 lbs	**Job Number:** J29203 - **Truss Label:** T4K	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
R	1554 /-	/-	/673	/-	/134
J	1648 /-	/-	/683	/-	/-

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 2.4
J Brg Width = 5.5 Min Req = 2.6
Bearings R & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	E - F	336	-2108
B - C	267	-2118	F - G	326	-2174
C - D	243	-1587	G - H	353	-2692
D - E	261	-1511	H - I	25	-127

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	154	-118	O - N	36	-4
Q - P	1878	-179	M - K	2393	-238
P - O	1878	-179	L - J	72	-9

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - R	288	-1497	M - G	124	-671
B - Q	1849	-178	G - K	124	0
Q - C	130	-168	K - L	96	0
C - O	103	-675	K - J	70	-382
E - O	43	-270	K - H	2682	-286
E - M	1401	-132	J - S	275	-1542
O - M	1431	-94	S - H	283	-1563
M - N	11	0	S - I	136	-20
M - F	62	-242			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.146	F	999	240	Max TC CSI:	0.945
VERT(TL): 0.287	F	999	240	Max BC CSI:	0.607
HORZ(LL): 0.052	I	-	-	Max Web CSI:	0.701
HORZ(TL): 0.101	I	-	-	Creep Factor: 1.5	

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

Loading
Truss designed for unbalanced snow loads.

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

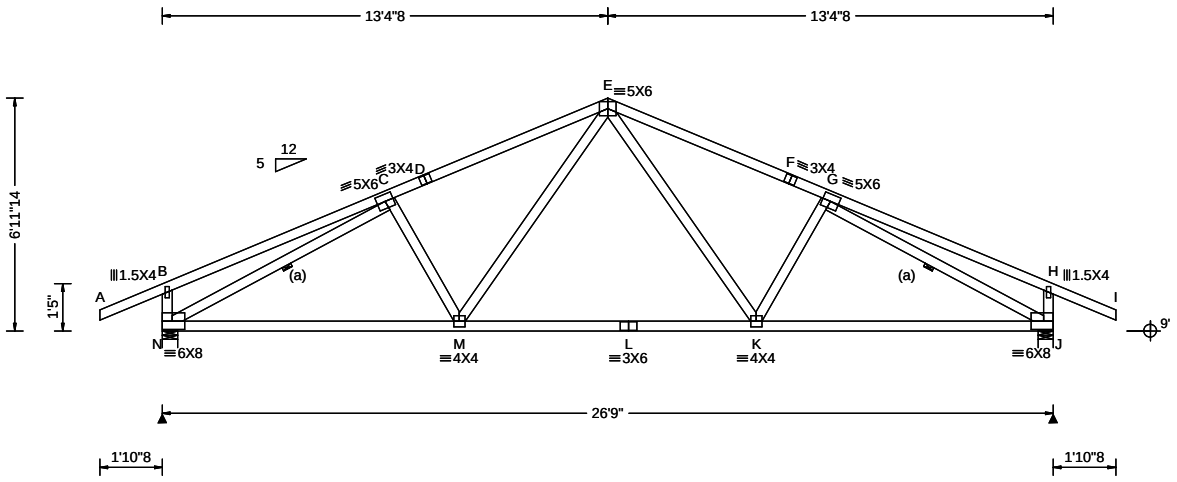
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2880 / T35 / COMN FROM:	Ply: 1 Qty: 5 Wgt: 151.2 lbs	**Job Number:** J29203 - **Truss Label:** T4L	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'0"6

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	1568	/-	/-	/680	/-	/137
J	1568	/-	/-	/680	/-	/-

Wind reactions based on MWFRS
N Brg Width = 5.5 Min Req = 2.5
J Brg Width = 5.5 Min Req = 2.5
Bearings N & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	E - F	295	-1919
B - C	105	-176	F - G	273	-1977
C - D	273	-1977	G - H	105	-176
D - E	295	-1919	H - I	63	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	1881	-162	L - K	1390	-95
M - L	1390	-95	K - J	1881	-185

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - N	211	-450	E - K	655	-63
N - C	213	-2106	K - G	136	-413
C - M	136	-413	G - J	213	-2106
M - E	655	-62	H - J	209	-450

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.096	K	999	240	Max TC CSI:	0.890
VERT(TL): 0.189	K	999	240	Max BC CSI:	0.747
HORZ(LL): 0.047	H	-	-	Max Web CSI:	0.609
HORZ(TL): 0.092	H	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

Bracing
(a) Continuous lateral restraint equally spaced on member.

Loading
Truss designed for unbalanced snow loads.

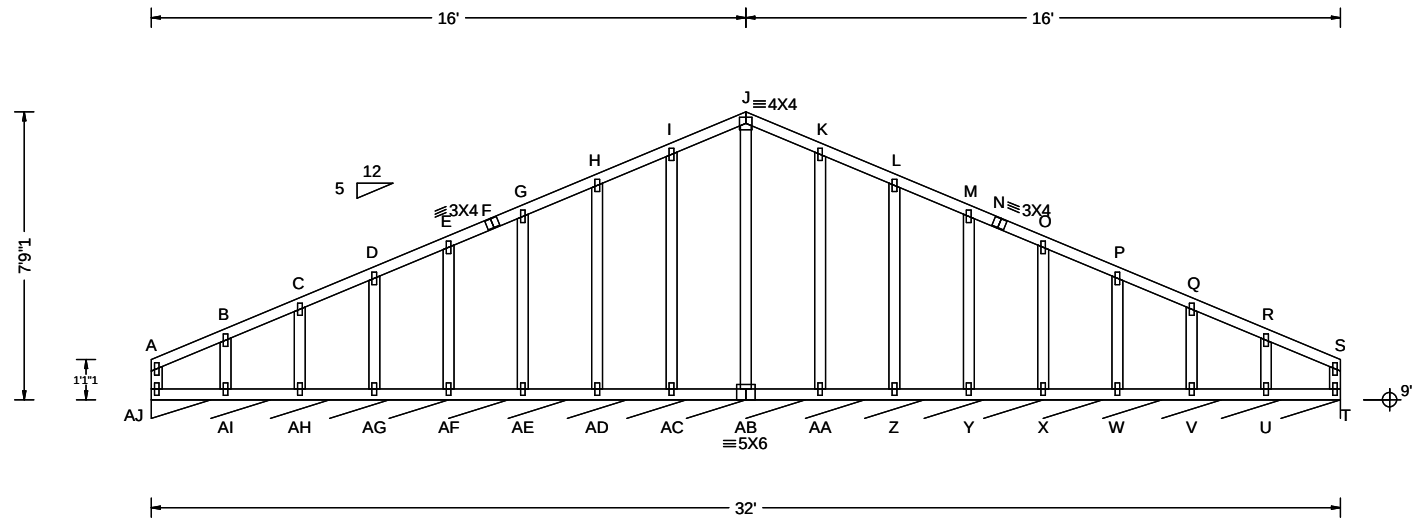
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2881 / T28 / GABL FROM:	Ply: 1 Qty: 1 Wgt: 196.0 lbs	**Job Number:** J29203 - **Truss Label:** GE5	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.20 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	I	999	240
VERT(TL): 0.004	I	999	240
HORZ(LL): 0.020	L	-	-
HORZ(TL): 0.045	M	-	-

Max TC CSI: 0.084
Max BC CSI: 0.053
Max Web CSI: 0.136
Creep Factor: 1.5
Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing
Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Truss designed for unbalanced snow loads.

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

Additional Notes
See DWGS A12015ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
T*	103	/-	/-	/43	/9	/4

Wind reactions based on MWFRS
T Brg Width = 384 Min Req = -
Bearing AJ is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	79	-77	J - K	289	-45
B - C	81	-56	K - L	253	-35
C - D	118	-43	L - M	219	-39
D - E	151	-29	M - N	185	-5
E - F	178	-27	N - O	178	-27
F - G	185	-5	O - P	151	-29
G - H	219	-39	P - Q	118	-43
H - I	253	-35	Q - R	81	-56
I - J	289	-45	R - S	79	-77

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	64	-60	AB-AA	66	-66
AI-AH	65	-62	AA- Z	66	-66
AH-AG	65	-63	Z - Y	66	-65
AG-AF	66	-64	Y - X	66	-65
AF-AE	66	-65	X - W	66	-64
AE-AD	66	-65	W - V	65	-63
AD-AC	66	-66	V - U	65	-62
AC-AB	66	-66	U - T	64	-60

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
A -AJ	43	-72	AA- K	136	-276
B -AI	139	-178	Z - L	75	-243
C -AH	77	-163	Y - M	68	-227
D -AG	68	-166	X - O	68	-166
E -AF	68	-166	W - P	68	-166
G -AE	68	-227	V - Q	77	-163
H -AD	75	-243	U - R	139	-178
I -AC	136	-276	S - T	43	-72
J -AB	0	-160			

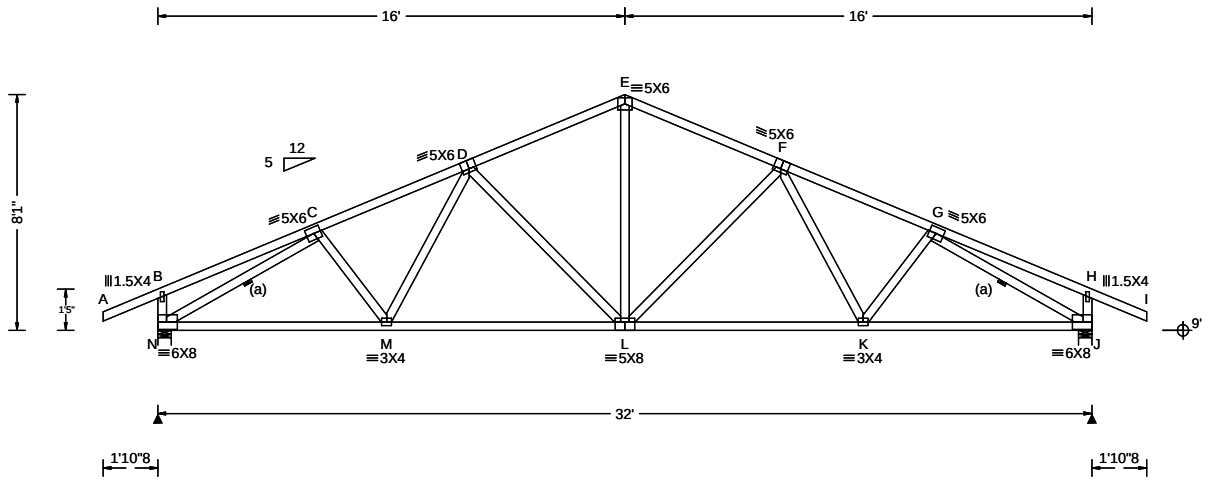
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2882 / T27 / COMN FROM:	Ply: 1 Qty: 6 Wgt: 182.0 lbs	**Job Number:** J29203 - **Truss Label:** T5	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.20 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.145	L	999	240	Max TC CSI: 0.552
VERT(TL): 0.287	L	999	240	Max BC CSI: 0.742
HORZ(LL): 0.068	J	-	-	Max Web CSI: 0.782
HORZ(TL): 0.135	J	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
N	1817	/-	/-	/805	/174	/168
J	1817	/-	/-	/805	/174	/-

Wind reactions based on MWFRS
N Brg Width = 5.5 Min Req = 2.8
J Brg Width = 5.5 Min Req = 2.8
Bearings N & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	E - F	640	-1946
B - C	135	-135	F - G	700	-2464
C - D	700	-2464	G - H	135	-135
D - E	640	-1946	H - I	63	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	2190	-499	L - K	2116	-465
M - L	2116	-451	K - J	2190	-512

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - N	288	-405	L - F	226	-750
N - C	599	-2532	F - K	203	-20
C - M	147	-22	K - G	147	-22
M - D	203	-20	G - J	600	-2532
D - L	226	-750	H - J	287	-405
E - L	985	-266			

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing
(a) Continuous lateral restraint equally spaced on member.

Loading
Truss designed for unbalanced snow loads.

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

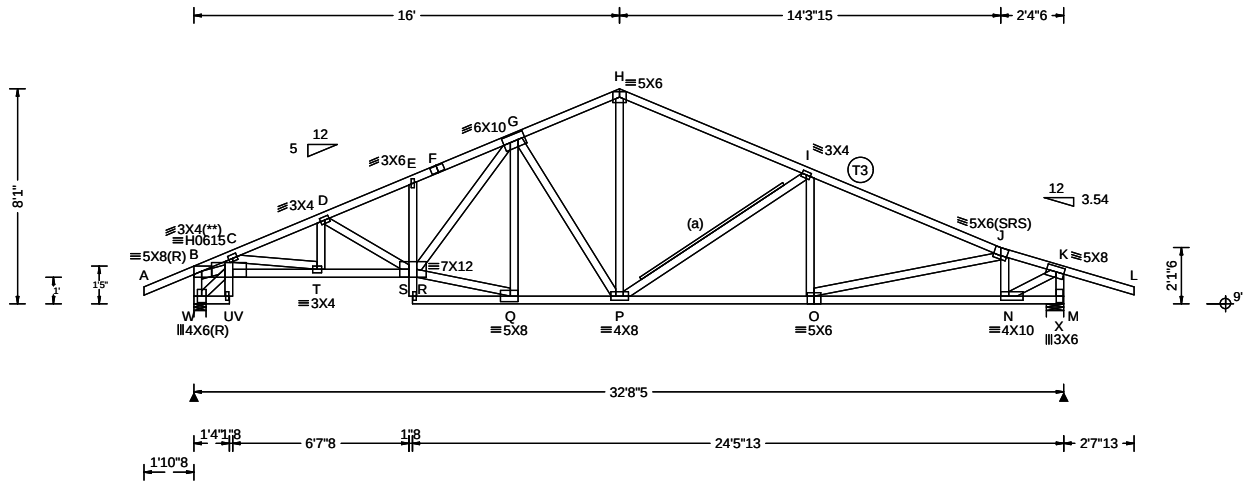
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2976 / T30 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 219.8 lbs	**Job Number:** J29203 - **Truss Label:** T5A	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'9"3

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.27 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.216	E	999	240	Max TC CSI: 0.866
VERT(TL): 0.424	E	926	240	Max BC CSI: 0.918
HORZ(LL): 0.156	N	-	-	Max Web CSI: 0.839
HORZ(TL): 0.307	N	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2 :T3 2x4 SPF 2100f-1.8E:
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing

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

Loading

Truss designed for unbalanced snow loads.

Plating Notes

All plates are 1.5X4 except as noted.

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

Wind

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
W	1848	/-	/-	/814	/-	/162
X	2012	/-	/-	/854	/26	/-

Wind reactions based on MWFRS
W Brg Width = 5.5 Min Req = 2.9
X Brg Width = 7.8 Min Req = 3.2
Bearings W & X are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	G - H	336	-1979
B - C	352	-3798	H - I	336	-2051
C - D	395	-3525	I - J	363	-2726
D - E	411	-3335	J - K	242	-1954
E - F	438	-3307	K - L	80	0
F - G	450	-3276			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
W - V	154	-13	Q - P	2082	-156
U - T	3701	-277	P - O	2421	-228
T - R	3248	-283	O - N	1978	-212
S - Q	76	-7	N - M	18	-23

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - W	322	-1700	R - G	1535	-161
B - U	3418	-288	Q - G	61	-553
W - U	166	-264	G - P	113	-759
U - V	21	0	H - P	1024	-146
U - C	281	-137	P - I	143	-931
C - T	223	-478	I - O	179	0
T - D	71	-151	O - J	498	-40
D - R	62	-256	J - N	135	-906
E - R	70	-282	N - K	2106	-221
R - S	43	0	K - M	393	-2010
R - Q	2092	-155			

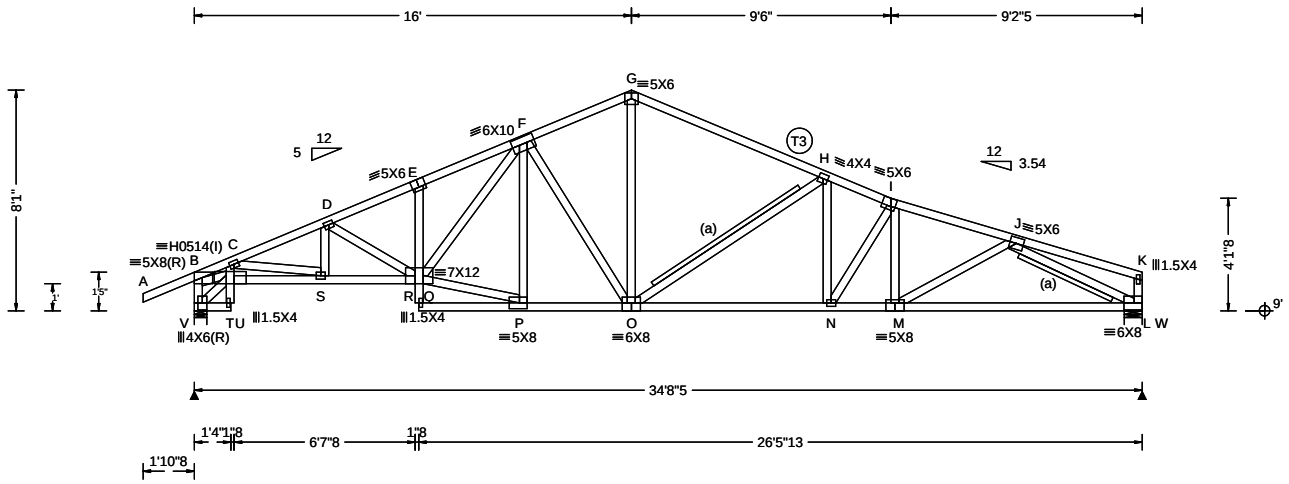
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2980 / T51 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 236.6 lbs	**Job Number:** J29203 - **Truss Label:** T5B	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria**	**Code / Misc Criteria**	**Defl/CSI Criteria**
TCLL: 25.00	Wind Std: ASCE 7-10 Speed: 120 mph	(Pg,Pf in PSF)	Bldg Code: IBC 2012	PP Deflection in loc L/defl L/#
TCDL: 10.00	Enclosure:Closed Risk Category: II	Pg: 40.0 Ct: 1.1	TPI Std: 2007	VERT(LL): 0.263 O 999 240 Max TC CSI: 0.676
BCLL: 0.00	TCDL: 5.0 psf BCDL: 5.0 psf EXP: C	Pf: 30.8	Rep Fac: Yes	VERT(TL): 0.524 O 794 240 Max BC CSI: 0.987
BCDL: 10.00	Mean Height: 15.00 ft Kzt: NA	CAT: II Ce: 1.0	FT/RT:20(0)/10(0)	HORZ(LL): 0.187 L - - Max Web CSI: 0.973
Des Ld: 45.00	MWFRS Parallel Dist: h to 2h	Lu: - Cs: 1.00	Plate Type:	HORZ(TL): 0.372 L - - Creep Factor: 1.5
NCBCLL: 0.00 Soffit: 2.00	C&C Dist a: 3.47 ft	Snow Duration: 1.15	WAVE, HS	Mfg Specified Camber:
Load Duration: 1.15	Loc. from endwall: not in 9.00 ft			
Spacing: 24.0 "	GCpi: 0.18			VIEW Ver: 18.02.01B.0321.08
	Wind Duration: 1.60			

Lumber

Top chord 2x4 SPF #1/#2 :T3 2x4 SPF 2100f-1.8E:
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing

(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading

Truss designed for unbalanced snow loads.

Plating Notes

All plates are 3X4 except as noted.

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Wind

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

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
V	1959	/-	/-	/858	/-	/149
W	1917	/-	/-	/782	/-	/-

Wind reactions based on MWFRS
V Brg Width = 5.5 Min Req = 3.1
W Brg Width = 7.8 Min Req = 3.0
Bearings V & W are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	400	-2229
B - C	513	-4070	G - H	403	-2296
C - D	493	-3796	H - I	515	-3283
D - E	505	-3626	I - J	508	-3523
E - F	540	-3596	J - K	34	-129

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	165	-20	P - O	2298	-253
T - S	3969	-479	O - N	3029	-378
S - Q	3503	-413	N - M	3306	-416
R - P	83	-10	M - L	3069	-427

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - V	361	-1803	Q - F	1614	-201
B - T	3666	-435	P - F	90	-622
V - T	150	-249	F - O	106	-736
T - U	21	0	G - O	1184	-187
T - C	275	-118	O - H	222	-1331
C - S	195	-494	H - N	513	-60
S - D	71	-173	N - I	85	-508
D - Q	61	-245	I - M	92	-56
E - Q	69	-279	M - J	409	0
Q - R	44	0	J - L	482	-3407
Q - P	2311	-254	K - L	60	-215

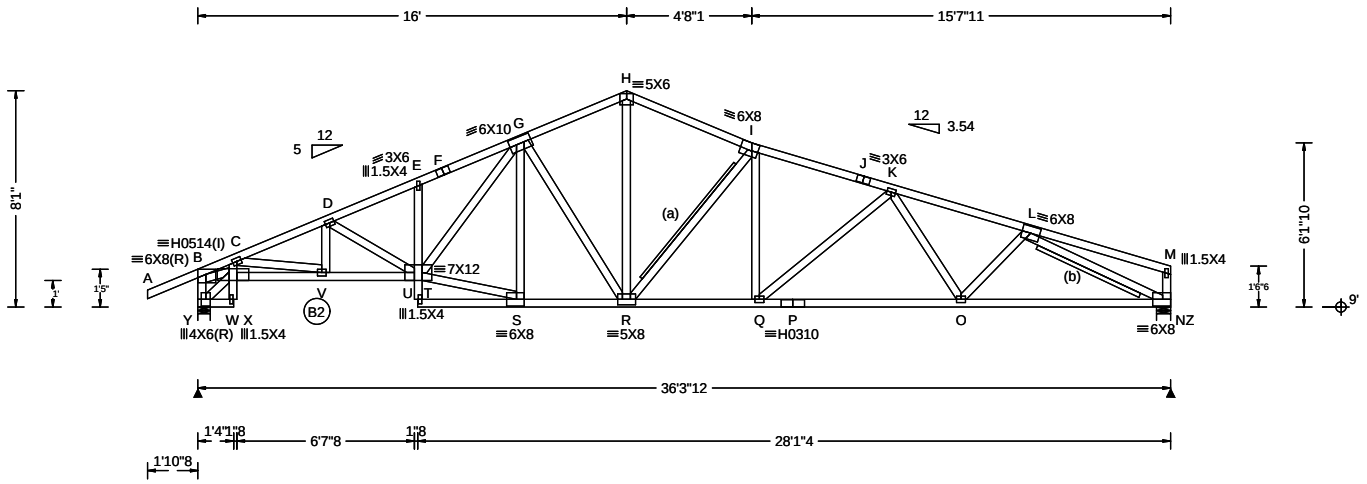
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2983 / T31 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 240.8 lbs	**Job Number:** J29203 - **Truss Label:** T5C	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.63 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.297	Q	999	240	Max TC CSI: 0.679
VERT(TL): 0.591	Q	736	240	Max BC CSI: 0.979
HORZ(LL): 0.188	N	-	-	Max Web CSI: 0.987
HORZ(TL): 0.374	N	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2 :B2 2x4 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2

Bracing

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

(b) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes

All plates are 3X4 except as noted.

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Loading

Truss designed for unbalanced snow loads.

Wind

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

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Y	2041	/-	/-	/895	/8	/146
Z	2006	/-	/-	/826	/-	/-

Wind reactions based on MWFRS
Y Brg Width = 5.5 Min Req = 3.2
Z Brg Width = 6.3 Min Req = 3.1
Bearings Y & Z are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	G - H	446	-2402
B - C	572	-4300	H - I	448	-2414
C - D	545	-3995	I - J	501	-3120
D - E	560	-3839	J - K	488	-3150
E - F	583	-3804	K - L	509	-3620
F - G	594	-3773	L - M	43	-133

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Y - X	175	-23	R - Q	2925	-361
W - V	4198	-540	Q - P	3400	-425
V - T	3687	-463	P - O	3400	-425
U - S	89	-12	O - N	3247	-424
S - R	2465	-296			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Y	382	-1875	T - G	1661	-217
B - W	3880	-489	S - G	107	-654
Y - W	144	-254	G - R	106	-760
W - X	21	0	H - R	1435	-229
W - C	277	-116	R - I	227	-1364
C - V	194	-541	I - Q	517	-31
V - D	72	-184	Q - K	87	-594
D - T	62	-232	K - O	117	-78
E - T	66	-279	O - L	327	-1
T - U	39	0	L - N	471	-3602
T - S	2479	-297	M - N	70	-242

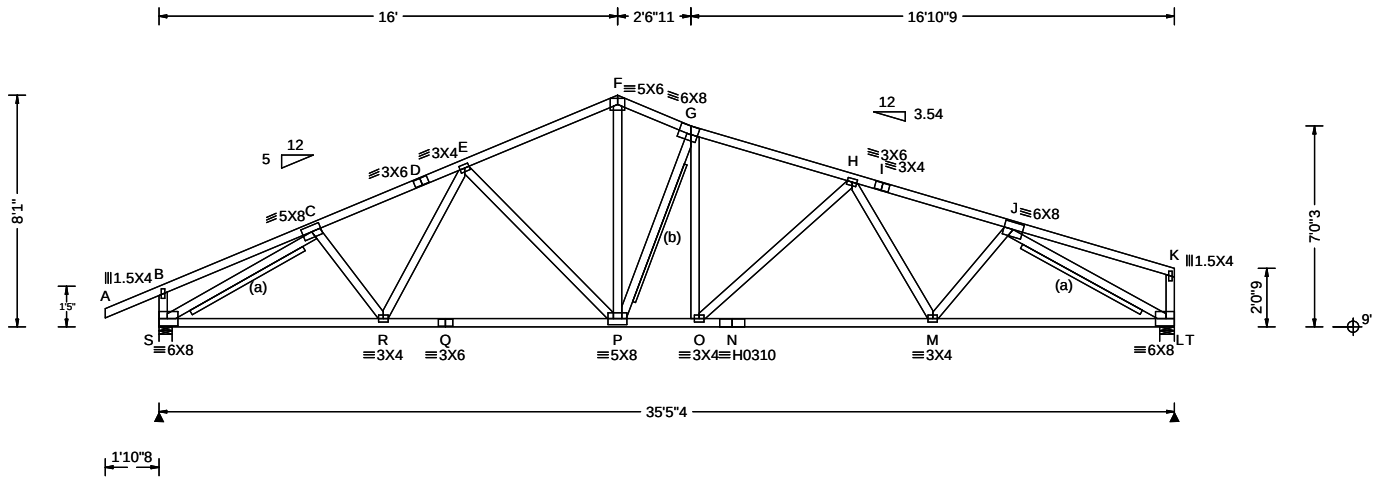
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2886 / T32 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 214.2 lbs	**Job Number:** J29203 - **Truss Label:** T5D	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.54 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.211	O	999	240	Max TC CSI: 0.590
VERT(TL): 0.418	O	999	240	Max BC CSI: 0.928
HORZ(LL): 0.089	L	-	-	Max Web CSI: 0.854
HORZ(TL): 0.178	L	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

(a) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading
Truss designed for unbalanced snow loads.

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

Right end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
S	1994	/-	/-	/884	/15	/141
T	1907	/-	/-	/798	/5	/-

Wind reactions based on MWFRS
S Brg Width = 5.5 Min Req = 3.1
T Brg Width = 6.3 Min Req = 3.0
Bearings S & T are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	424	-2279
B - C	103	-137	G - H	431	-2602
C - D	415	-2809	H - I	436	-2883
D - E	421	-2685	I - J	433	-3010
E - F	412	-2335	J - K	43	-118

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	2471	-325	O - N	2811	-352
R - Q	2459	-310	N - M	2811	-352
Q - P	2459	-310	M - L	2659	-347
P - O	2408	-284			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - S	216	-407	G - O	530	-42
S - C	349	-2861	O - H	93	-637
C - R	194	-20	H - M	119	-103
R - E	192	-26	M - J	363	-1
E - P	115	-731	J - L	399	-3053
F - P	1398	-240	K - L	73	-249
P - G	203	-1147			

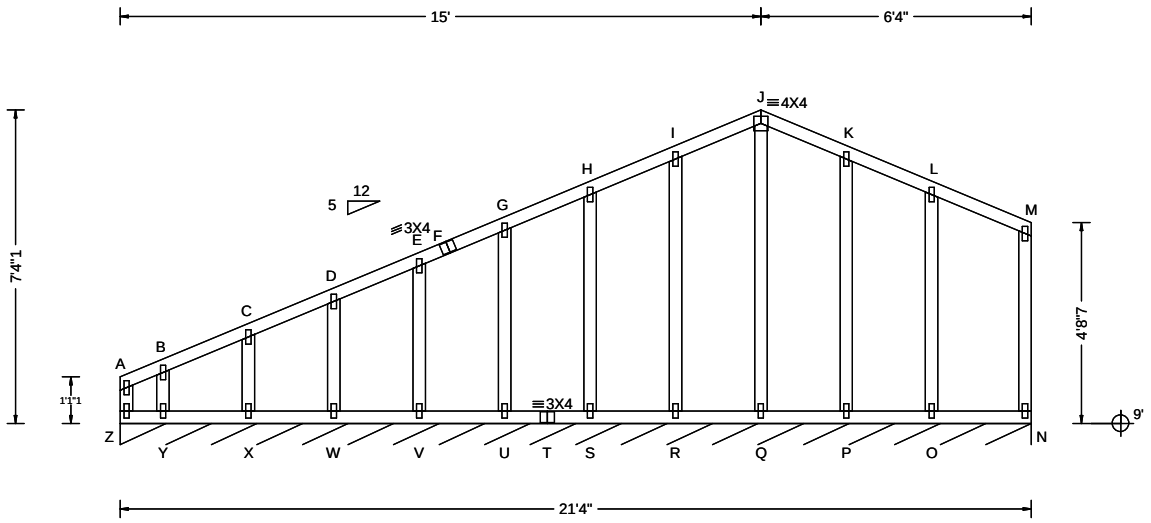
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2887 / T45 / GABL FROM:	Ply: 1 Qty: 1 Wgt: 138.6 lbs	**Job Number:** J29203 - **Truss Label:** GE6A	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.002	I	999	240	Max TC CSI: 0.099
VERT(TL): 0.003	I	999	240	Max BC CSI: 0.071
HORZ(LL): -0.033	M	-	-	Max Web CSI: 0.111
HORZ(TL): -0.070	J	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing
Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes
See DWGS A12015ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity R-	Non-Gravity Rh	Non-Gravity Rw	Non-Gravity U	Non-Gravity RL
Z*	103	/-	/-	/45	/9	/5

Wind reactions based on MWFRS
Z Brg Width = 256 Min Req = -
Bearing Z is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	72	-162	G - H	67	-50
B - C	63	-114	H - I	101	-47
C - D	63	-94	I - J	137	-56
D - E	62	-79	J - K	138	-53
E - F	51	-64	K - L	102	-47
F - G	60	-58	L - M	61	-47

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Z - Y	125	-53	T - S	3	-4
Y - X	132	-56	S - R	2	-4
X - W	134	-56	R - Q	2	-4
W - V	135	-57	Q - P	2	-4
V - U	135	-57	P - O	2	-4
U - T	136	-58	O - N	2	-4

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
A - Z	49	-120	H - S	70	-244
B - Y	186	-123	I - R	135	-275
C - X	92	-173	J - Q	0	-142
D - W	70	-163	P - K	133	-267
E - V	68	-166	O - L	137	-289
G - U	68	-226	M - N	65	-118

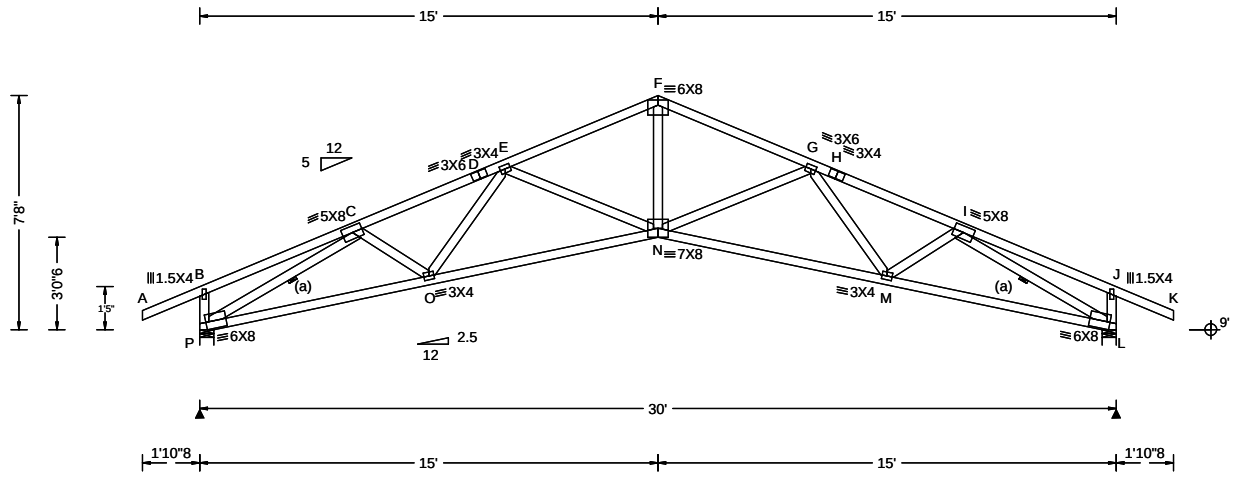
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2888 / T49 / COMN FROM:	Ply: 1 Qty: 13 Wgt: 166.6 lbs	**Job Number:** J29203 - **Truss Label:** T6	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.300	N	999	240	Max TC CSI: 0.572
VERT(TL): 0.595	N	604	240	Max BC CSI: 0.907
HORZ(LL): 0.220	L	-	-	Max Web CSI: 0.660
HORZ(TL): 0.435	L	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing
(a) Continuous lateral restraint equally spaced on member.

Loading
Truss designed for unbalanced snow loads.

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
P	1721	/-	/-	/748	/163	/151
L	1721	/-	/-	/748	/163	/-

Wind reactions based on MWFRS
P Brg Width = 5.5 Min Req = 2.6
L Brg Width = 5.5 Min Req = 2.6
Bearings P & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	786	-3017
B - C	132	-130	G - H	867	-3295
C - D	859	-3436	H - I	864	-3436
D - E	863	-3295	I - J	131	-130
E - F	796	-3017	J - K	63	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	2908	-646	N - M	3242	-682
O - N	3242	-660	M - L	2908	-666

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	282	-400	N - G	225	-705
P - C	766	-3341	G - M	127	-153
C - O	381	0	M - I	381	0
O - E	125	-153	I - L	773	-3341
E - N	226	-705	J - L	281	-400
N - F	1844	-402			

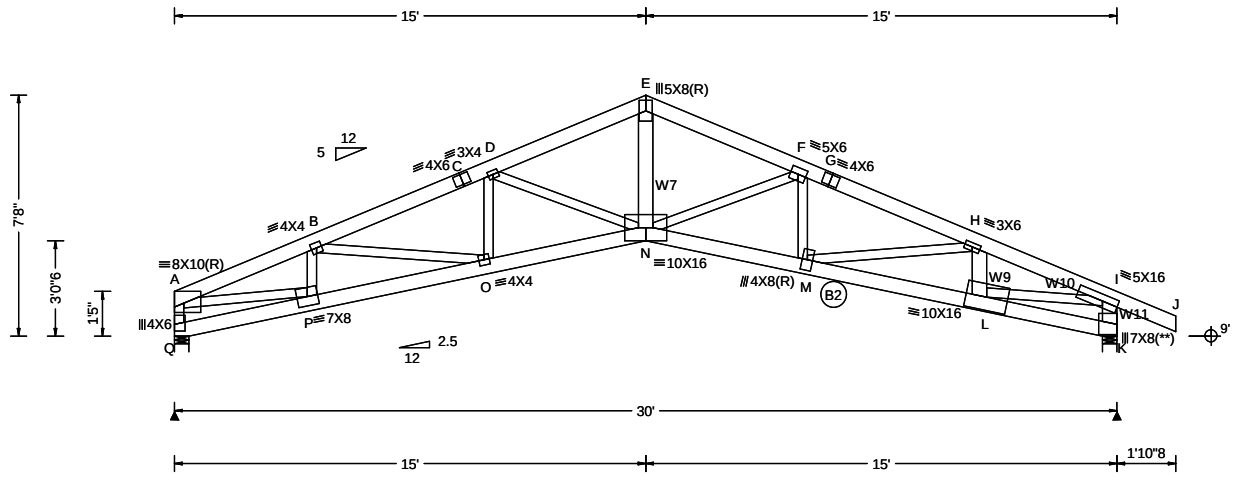
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2992 / T50 / COMN FROM: Page 1 of 2	Ply: 2 Qty: 2 Wgt: 424.2 lbs	**Job Number:** J29203 - **Truss Label:** T6A	DRW: ... / ... 11/20/2019



RIGHT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.298	N	999	240	Max TC CSI: 0.625
VERT(TL): 0.657	N	547	240	Max BC CSI: 0.889
HORZ(LL): 0.182	K	-	-	Max Web CSI: 0.912
HORZ(TL): 0.402	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x6 SPF #1/#2
Bot chord 2x6 SPF 1650f-1.5E :B2 2x6 SPF 2100f-1.8E:
Webs 2x4 SPF #1/#2 :W7, W9, W11 2x6 SPF #1/#2:
:W10 2x4 SPF 2100f-1.8E:

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

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

Wind

Wind loads and reactions based on MWFRS.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	3619	/-	/-	/-	/386	/-
K	5838	/-	/-	/-	/703	/-

Wind reactions based on MWFRS
Q Brg Width = 5.5 Min Req = 2.7
K Brg Width = 5.5 Min Req = 3.6
Bearings Q & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	439	-4092	F - G	708	-6611
B - C	565	-5285	G - H	717	-6643
C - D	556	-5252	H - I	747	-6534
D - E	536	-4980	I - J	32	-7
E - F	537	-4980			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	46	-5	N - M	6240	-670
P - O	3926	-417	M - L	6259	-706
O - N	5052	-537	L - K	104	-12

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - Q	200	-1776	N - F	175	-1604
A - P	3717	-394	F - M	1168	-110
P - B	103	-730	M - H	192	0
B - O	1072	-113	H - L	9	-329
O - D	150	-1	L - I	5890	-668
D - N	28	-291	I - K	358	-2923
N - E	3697	-382			

****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

SEQN: 2992 / T50 / COMN	Ply: 2	**Job Number:** J29203	
FROM:	Qty: 2	- ,	DRW:
Page 2 of 2	Wgt: 424.2 lbs	**Truss Label:** T6A	... / ... 11/20/2019

Special Loads

------(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)

TC: From	72 plf at	0.00 to	72 plf at	4.05	
TC: From	36 plf at	4.05 to	36 plf at	27.75	
TC: From	72 plf at	27.75 to	72 plf at	31.87	
BC: From	20 plf at	0.00 to	20 plf at	4.05	
BC: From	10 plf at	4.05 to	10 plf at	27.75	
BC: From	20 plf at	27.75 to	20 plf at	30.00	
BC: From	4 plf at	30.00 to	4 plf at	31.87	

TC: 30 lb Conc. Load at 27.75
BC: 153 lb Conc. Load at 4.05
BC: 240 lb Conc. Load at 6.21
BC: 326 lb Conc. Load at 8.38
BC: 412 lb Conc. Load at 10.54
BC: 499 lb Conc. Load at 12.71
BC: 585 lb Conc. Load at 14.87
BC: 699 lb Conc. Load at 17.04
BC: 797 lb Conc. Load at 19.20
BC: 888 lb Conc. Load at 21.37
BC: 979 lb Conc. Load at 23.53
BC: 2016 lb Conc. Load at 25.70
BC: 21 lb Conc. Load at 27.75

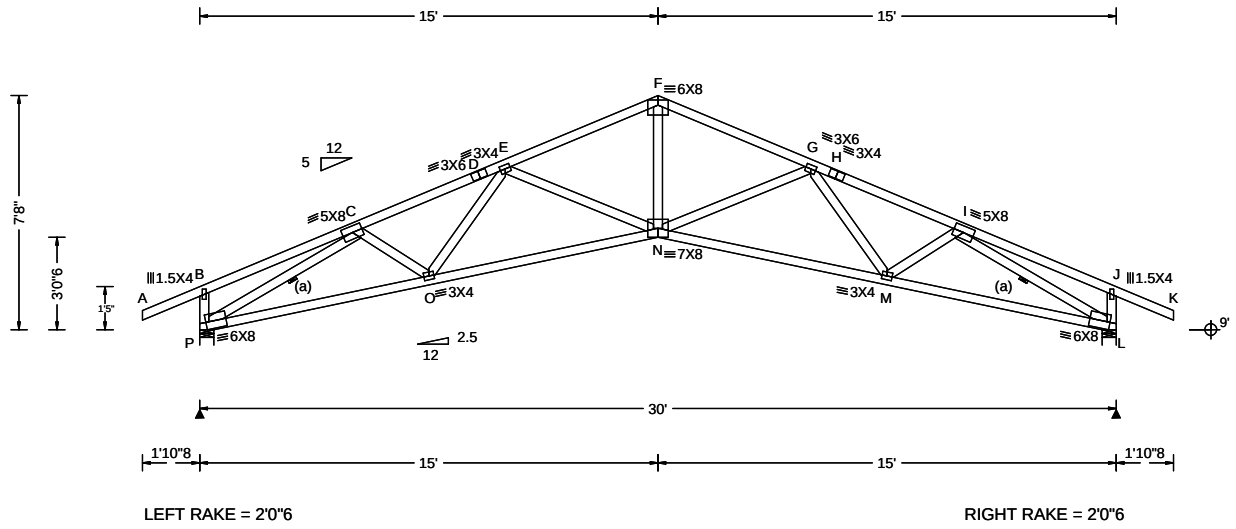
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2889 / T2 / COMN FROM:	Ply: 1 Qty: 9 Wgt: 166.6 lbs	**Job Number:** J29203 - **Truss Label:** T6B	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

RIGHT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.300	N	999	240	Max TC CSI: 0.572
VERT(TL): 0.595	N	604	240	Max BC CSI: 0.907
HORZ(LL): 0.220	L	-	-	Max Web CSI: 0.660
HORZ(TL): 0.435	L	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing
(a) Continuous lateral restraint equally spaced on member.

Loading
Truss designed for unbalanced snow loads.

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

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
P	1721	/-	/-	/748	/163	/151
L	1721	/-	/-	/748	/163	/-

Wind reactions based on MWFRS
P Brg Width = 5.5 Min Req = 2.6
L Brg Width = 5.5 Min Req = 2.6
Bearings P & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	F - G	786	-3017
B - C	132	-130	G - H	867	-3295
C - D	859	-3436	H - I	864	-3436
D - E	863	-3295	I - J	131	-130
E - F	796	-3017	J - K	63	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	2908	-646	N - M	3242	-682
O - N	3242	-660	M - L	2908	-666

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	282	-400	N - G	225	-705
P - C	766	-3341	G - M	127	-153
C - O	381	0	M - I	381	0
O - E	125	-153	I - L	773	-3341
E - N	226	-705	J - L	281	-400
N - F	1844	-402			

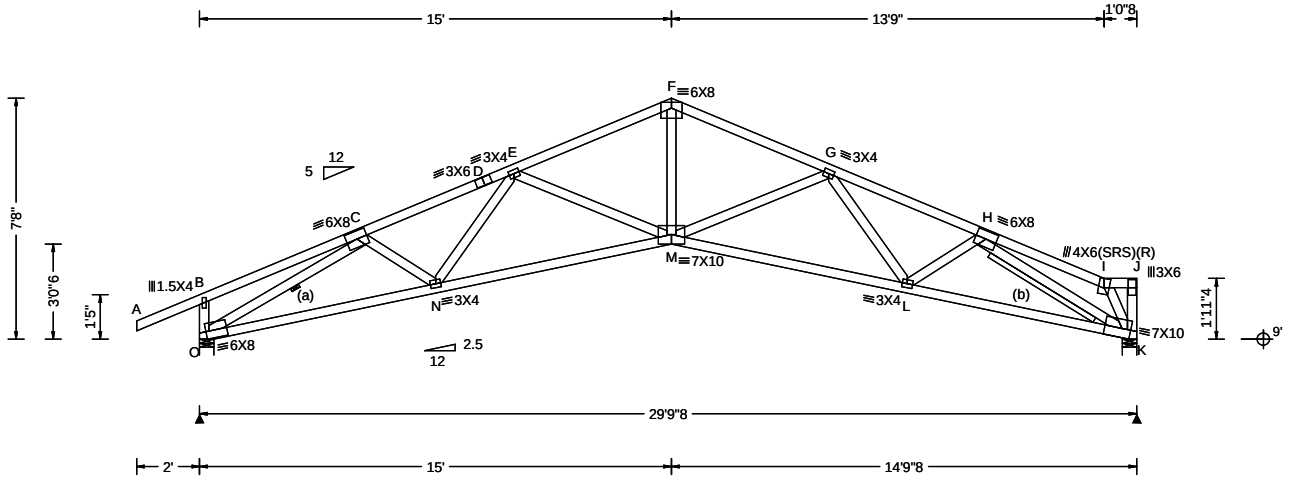
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2999 / T23 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 168.0 lbs	**Job Number:** J29203 - **Truss Label:** T6C	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.391	M	913	240	Max TC CSI: 0.783
VERT(TL): 0.668	M	534	240	Max BC CSI: 0.523
HORZ(LL): 0.270	K	-	-	Max Web CSI: 0.989
HORZ(TL): 0.462	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF 2100f-1.8E
Webs 2x4 SPF #1/#2

Bracing
(a) Continuous lateral restraint equally spaced on member.

(b) 2x6 #3 or better "T" reinforcement. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading
Truss designed for unbalanced snow loads.

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

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
O	2099 /-	/-	/751	/164	/131
K	1977 /-	/-	/648	/137	/-

Wind reactions based on MWFRS
O Brg Width = 5.5 Min Req = 2.6
K Brg Width = 5.5 Min Req = 2.4
Bearings O & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	67	0	F - G	402	-3988
B - C	101	-129	G - H	445	-4468
C - D	422	-4480	H - I	120	-454
D - E	426	-4301	I - J	0	-18
E - F	391	-4010			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	3731	-345	M - L	4248	-329
N - M	4306	-339	L - K	3760	-360

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - O	220	-412	M - G	119	-692
O - C	360	-4307	G - L	101	-216
C - N	497	0	L - H	432	0
N - E	117	-277	H - K	331	-4022
E - M	120	-707	I - K	147	-615
F - M	2417	-195	J - K	116	-10

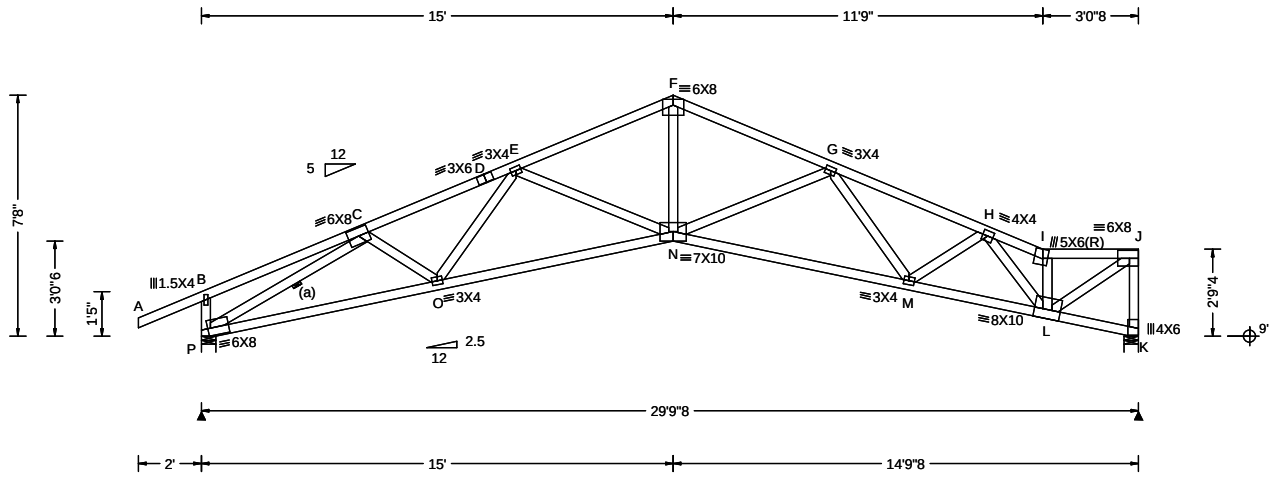
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 3001 / T54 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 169.4 lbs	**Job Number:** J29203 - **Truss Label:** T6D	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.378	N	946	240	Max TC CSI: 0.767
VERT(TL): 0.654	N	546	240	Max BC CSI: 0.530
HORZ(LL): 0.255	K	-	-	Max Web CSI: 0.860
HORZ(TL): 0.441	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF 2100f-1.8E
Webs 2x4 SPF #1/#2

Bracing
(a) Continuous lateral restraint equally spaced on member.

Loading
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	2118	/-	/-	/754	/162	/129
K	1864	/-	/-	/631	/140	/-

Wind reactions based on MWFRS
P Brg Width = 5.5 Min Req = 2.6
K Brg Width = 5.5 Min Req = 2.3
Bearings P & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	67	0	F - G	428	-4068
B - C	102	-130	G - H	482	-4475
C - D	443	-4536	H - I	354	-2976
D - E	447	-4357	I - J	306	-2681
E - F	417	-4085			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	3774	-383	M - L	3735	-407
O - N	4365	-382	L - K	13	-6
N - M	4284	-384			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	220	-412	G - M	94	-271
P - C	378	-4358	M - H	465	-1
C - O	507	0	H - L	146	-1563
O - E	117	-288	I - L	180	-1188
E - N	117	-706	L - J	3198	-364
F - N	2417	-216	J - K	236	-1821
N - G	119	-668			

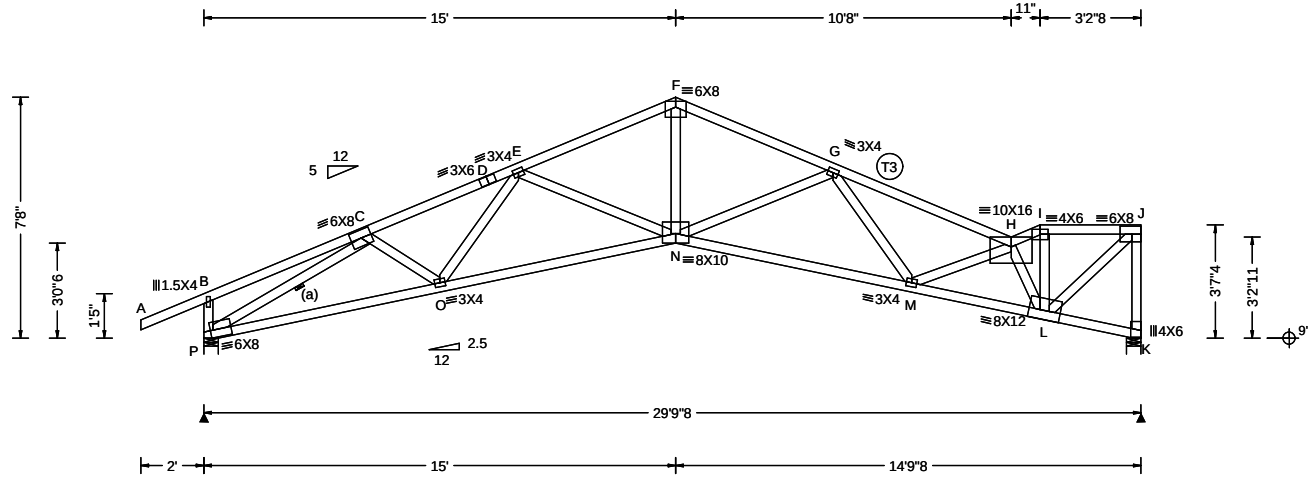
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 3004 / T53 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 175.0 lbs	**Job Number:** J29203 - **Truss Label:** T6E	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.364	N	981	240	Max TC CSI: 0.761
VERT(TL): 0.628	N	569	240	Max BC CSI: 0.538
HORZ(LL): 0.249	K	-	-	Max Web CSI: 0.859
HORZ(TL): 0.429	K	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	2116	/-	/-	/755	/160	/138
K	1900	/-	/-	/627	/141	/-

Wind reactions based on MWFRS
P Brg Width = 5.5 Min Req = 2.6
K Brg Width = 5.5 Min Req = 2.3
Bearings P & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	67	0	F - G	450	-4065
B - C	102	-130	G - H	484	-4554
C - D	459	-4528	H - I	265	-2267
D - E	463	-4349	I - J	242	-2060
E - F	438	-4072			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	3767	-421	M - L	3596	-417
O - N	4358	-426	L - K	11	-7
N - M	4369	-434			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	220	-412	G - M	104	-334
P - C	393	-4349	M - H	628	-23
C - O	507	0	H - L	420	-3656
O - E	120	-289	I - L	850	-71
E - N	115	-699	L - J	2737	-321
F - N	2480	-236	J - K	248	-1857
N - G	124	-687			

Lumber

Top chord 2x4 SPF #1/#2 :T3 2x4 SPF 2100f-1.8E:
Bot chord 2x4 SPF 2100f-1.8E
Webs 2x4 SPF #1/#2

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

Truss designed for unbalanced snow loads.

Wind

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

Right end vertical not exposed to wind pressure.

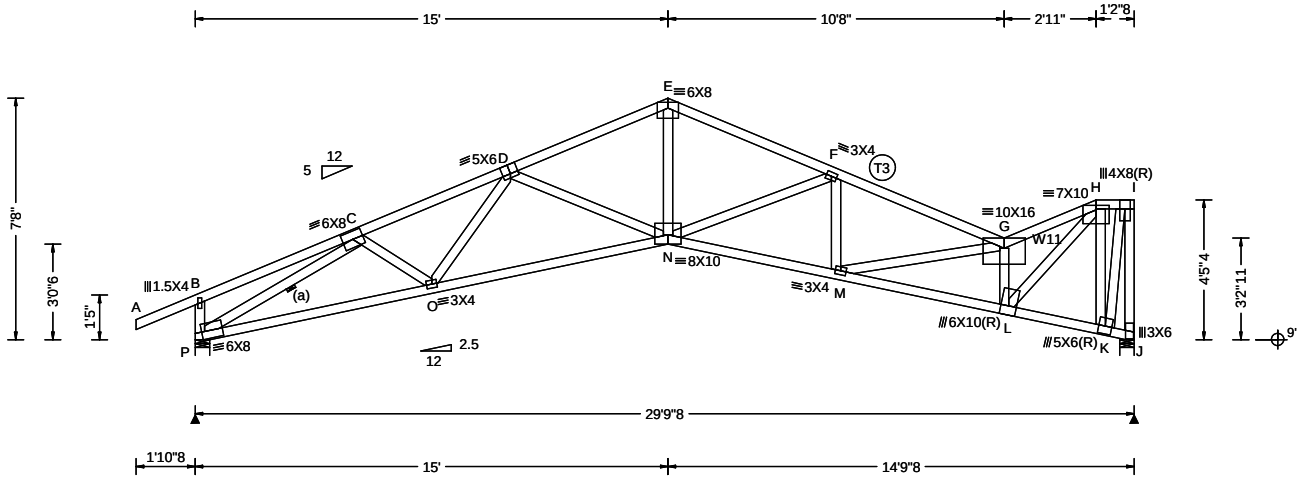
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 3007 / T59 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 184.8 lbs	**Job Number:** J29203 - **Truss Label:** T6F	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'0"6

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.402	N	890	240	Max TC CSI: 0.780
VERT(TL): 0.676	N	528	240	Max BC CSI: 0.542
HORZ(LL): 0.265	J	-	-	Max Web CSI: 0.867
HORZ(TL): 0.446	J	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
P	2116	/-	/-	/749	/155	/146
J	2047	/-	/-	/629	/142	/-

Wind reactions based on MWFRS
P Brg Width = 5.5 Min Req = 2.6
J Brg Width = 5.5 Min Req = 2.5
Bearings P & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	63	0	E - F	965	-4113
B - C	133	-131	F - G	1056	-4849
C - D	996	-4571	G - H	859	-3805
D - E	941	-4115	H - I	118	-471

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	3807	-944	M - L	3740	-887
O - N	4392	-997	L - K	630	-157
N - M	4476	-994	K - J	4	-10

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	283	-397	F - M	147	-175
P - C	888	-4393	M - G	724	-167
C - O	506	-22	G - L	968	-3941
O - D	161	-282	L - H	4406	-1035
D - N	201	-695	H - K	551	-2122
E - N	2492	-534	K - I	2042	-513
N - F	200	-752	I - J	504	-1997

Lumber

Top chord 2x4 SPF #1/#2 :T3 2x4 SPF 2100f-1.8E:
Bot chord 2x4 SPF 2100f-1.8E
Webs 2x4 SPF #1/#2 :W11 2x4 SPF 2100f-1.8E:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

Truss designed for unbalanced snow loads.

Wind

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

Right end vertical not exposed to wind pressure.

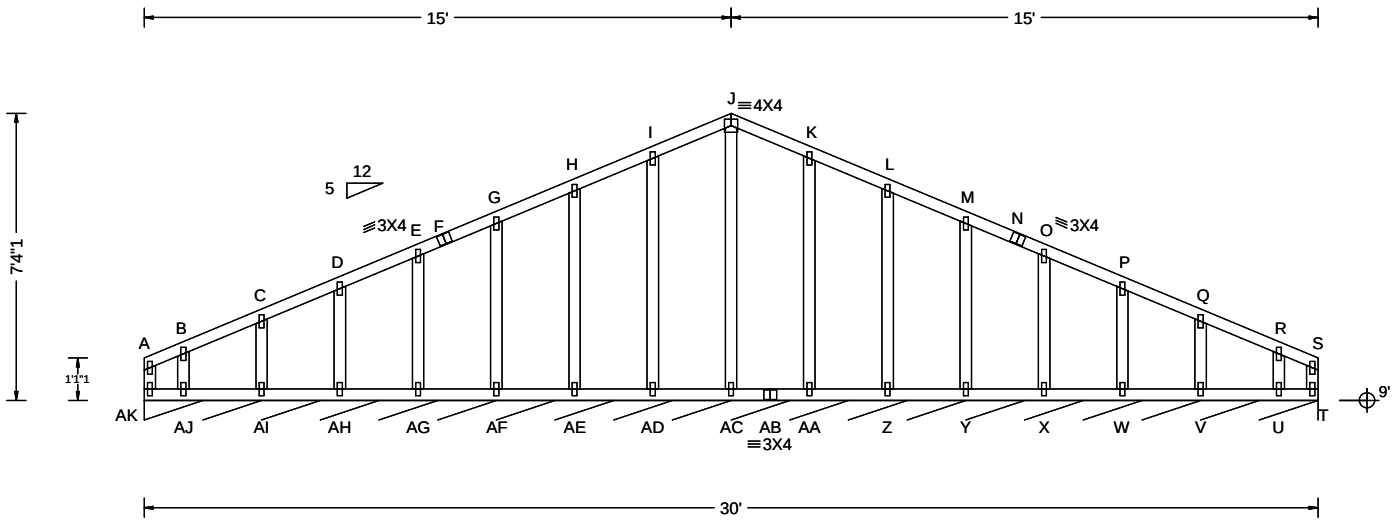
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2894 / T52 / GABL FROM:	Ply: 1 Qty: 1 Wgt: 180.6 lbs	**Job Number:** J29203 - **Truss Label:** GE6	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.002	K	999	240	Max TC CSI: 0.084
VERT(TL): 0.003	K	999	240	Max BC CSI: 0.039
HORZ(LL): -0.017	H	-	-	Max Web CSI: 0.116
HORZ(TL): 0.038	M	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Bracing
Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X4 except as noted.

Loading
Truss designed for unbalanced snow loads.

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

Additional Notes
See DWGS A12015ENC101014, GBLLETIN0118, & GABRST101014 for gable wind bracing and other requirements.

▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
AK	*103	/-	/-	/43	/9	/4

Wind reactions based on MWFRS
AK Brg Width = 360 Min Req = -
Bearing AK is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	75	- 74	J - K	269	- 41
B - C	66	- 55	K - L	233	- 32
C - D	98	- 43	L - M	198	- 35
D - E	131	- 27	M - N	165	- 8
E - F	154	- 24	N - O	154	- 24
F - G	165	- 8	O - P	131	- 28
G - H	198	- 35	P - Q	98	- 43
H - I	233	- 32	Q - R	66	- 56
I - J	269	- 41	R - S	75	- 75

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AK-AJ	57	- 54	AB-AA	60	- 62
AJ-AI	58	- 57	AA- Z	60	- 61
AI-AH	59	- 58	Z - Y	60	- 61
AH-AG	59	- 59	Y - X	60	- 60
AG-AF	59	- 60	X - W	59	- 59
AF-AE	60	- 60	W - V	59	- 58
AE-AD	60	- 61	V - U	59	- 57
AD-AC	60	- 61	U - T	57	- 54
AC-AB	60	- 61			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
A -AK	50	- 57	AA- K	133	- 276
B -AJ	111	- 133	Z - L	71	- 243
C -AI	104	- 172	Y - M	68	- 226
D -AH	67	- 164	X - O	69	- 166
E -AG	69	- 166	W - P	67	- 164
G -AF	68	- 226	V - Q	104	- 172
H -AE	71	- 243	U - R	111	- 133
I -AD	133	- 276	S - T	50	- 58
J -AC	0	- 155			

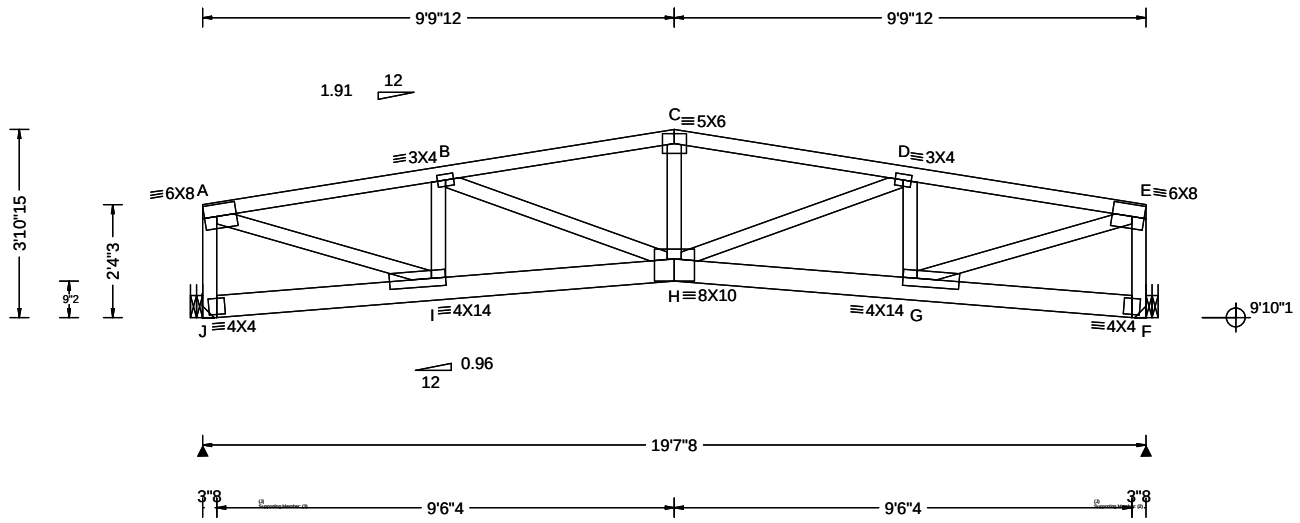
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2921 / T48 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 119.0 lbs	**Job Number:** J29203 - **Truss Label:** T7	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.167	H	999	240	Max TC CSI: 0.563
VERT(TL): 0.367	H	641	240	Max BC CSI: 0.709
HORZ(LL): 0.046	F	-	-	Max Web CSI: 0.885
HORZ(TL): 0.102	F	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x6 SPF 1650f-1.5E
Webs 2x4 SPF #1/#2

Special Loads
------(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)
TC: From 35 plf at 0.00 to 35 plf at 19.62
BC: From 10 plf at 0.29 to 10 plf at 19.33
BC: 222 lb Conc. Load at 1.25,18.38
BC: 269 lb Conc. Load at 3.25,16.38
BC: 316 lb Conc. Load at 5.25,14.38
BC: 362 lb Conc. Load at 7.25,12.38
BC: 407 lb Conc. Load at 9.25,10.38

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes
Shim all supports to solid bearing.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
J	2016	/-	/-	/-	/284	/-
F	2016	/-	/-	/-	/284	/-

Wind reactions based on MWFRS
J Brg Width = - Min Req = -
F Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	474	-3515	C - D	531	-4272
B - C	531	-4272	D - E	474	-3515

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	64	-9	H - G	3578	-479
I - H	3578	-479	G - F	64	-9

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	251	-1788	H - D	744	-51
A - I	3608	-484	D - G	84	-593
I - B	84	-593	G - E	3608	-484
B - H	744	-51	E - F	251	-1788
C - H	1181	-121			

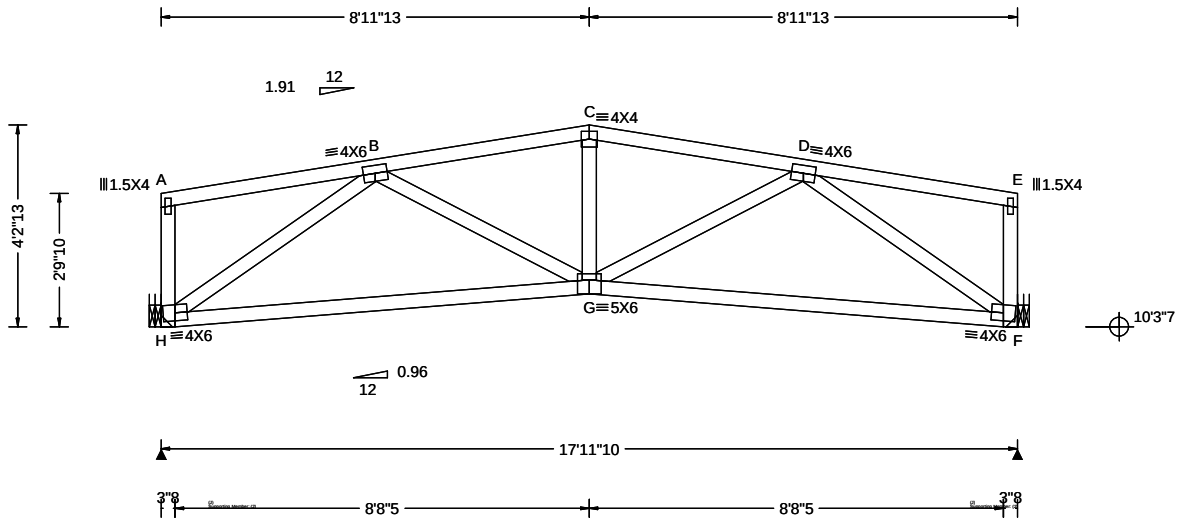
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2895 / T57 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 99.4 lbs	**Job Number:** J29203 - **Truss Label:** T7A	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	979	/-	/-	/362	/91	/-
F	979	/-	/-	/362	/91	/-

Wind reactions based on MWFRS
H Brg Width = - Min Req = -
F Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	21	-53	C - D	218	-1393
B - C	218	-1393	D - E	21	-53

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	1137	-176	G - F	1137	-176

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	54	-198	C - G	123	0
H - B	217	-1363	D - F	217	-1363
B - G	450	-4	E - F	54	-198
G - D	450	-4			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.049	G	999	240	Max TC CSI:	0.406
VERT(TL): 0.096	G	999	240	Max BC CSI:	0.603
HORZ(LL): 0.027	F	-	-	Max Web CSI:	0.707
HORZ(TL): 0.054	F	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

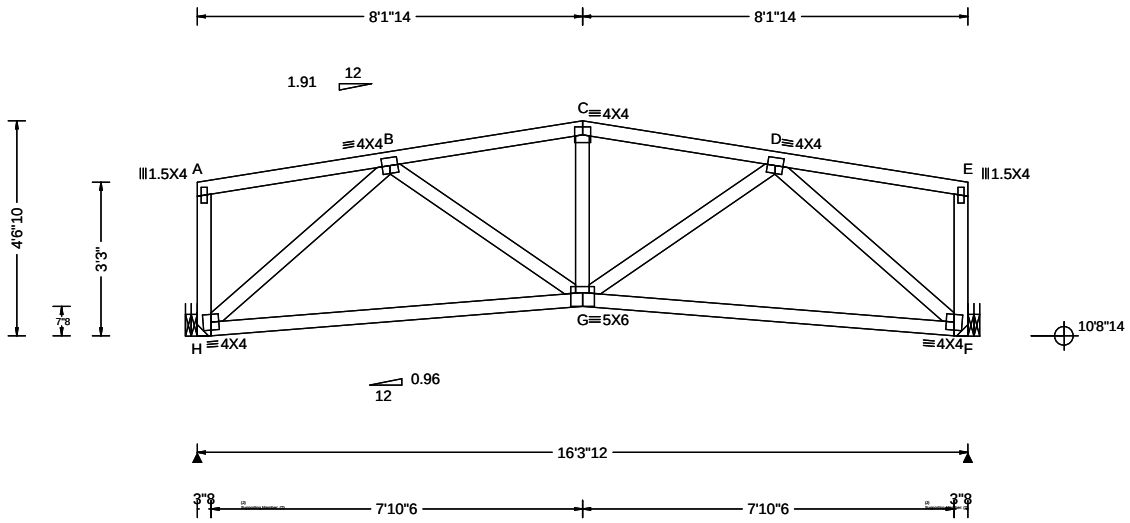
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2896 / T55 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 95.2 lbs	**Job Number:** J29203 - **Truss Label:** T7B	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	888	/-	/-	/328	/82	/-
F	888	/-	/-	/328	/82	/-

Wind reactions based on MWFRS
H Brg Width = - Min Req = -
F Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	26	-42	C - D	176	-1031
B - C	176	-1031	D - E	26	-42

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	820	-135	G - F	820	-135

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	51	-177	G - D	374	-7
H - B	179	-1068	D - F	179	-1068
B - G	374	-7	E - F	51	-177
G - C	96	0			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.028	G	999	240	Max TC CSI:	0.333
VERT(TL): 0.055	G	999	240	Max BC CSI:	0.468
HORZ(LL): 0.017	F	-	-	Max Web CSI:	0.536
HORZ(TL): 0.034	F	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

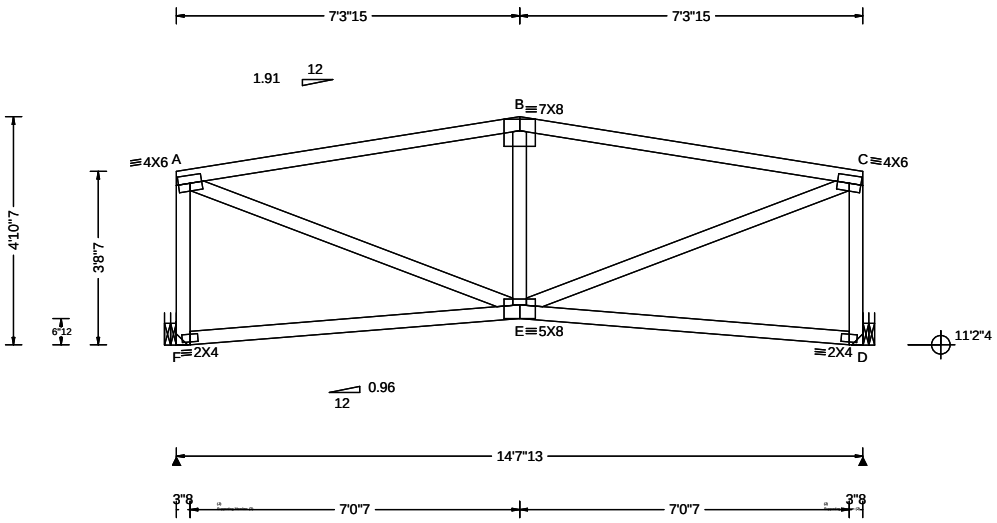
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 3010 / T56 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 84.0 lbs	**Job Number:** J29203 - **Truss Label:** T7C	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
F	797	/-	/-	/294	/78	/-
D	797	/-	/-	/294	/78	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	164	-866	B - C	164	-866

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	39	-5	E - D	39	-5

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	156	-742	E - C	851	-144
A - E	851	-144	C - D	156	-742
E - B	171	-445			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.48 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.025	B	999	240	Max TC CSI:	0.754
VERT(TL): 0.050	B	999	240	Max BC CSI:	0.236
HORZ(LL): 0.004	D	-	-	Max Web CSI:	0.269
HORZ(TL): 0.008	D	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF 2100f-1.8E
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

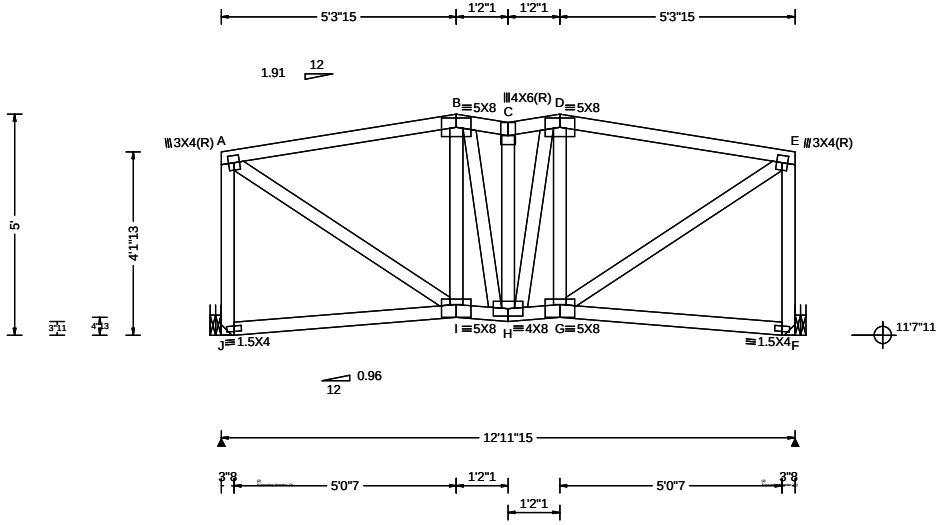
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2898 / T68 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 106.4 lbs	**Job Number:** J29203 - **Truss Label:** T7D	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
J	699	/-	/-	/260	/74	/-
F	699	/-	/-	/260	/74	/-

Wind reactions based on MWFRS
J Brg Width = - Min Req = -
F Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	139	-565	C - D	137	-499
B - C	137	-499	D - E	139	-565

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	19	-4	H - G	533	-120
I - H	533	-120	G - F	19	-4

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	165	-657	H - D	46	-191
A - I	616	-142	G - D	116	-189
I - B	116	-189	G - E	616	-142
B - H	46	-191	E - F	165	-657
H - C	26	-43			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 16.22 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.014	D	999	240	Max TC CSI:	0.591
VERT(TL): 0.027	D	999	240	Max BC CSI:	0.201
HORZ(LL): 0.003	F	-	-	Max Web CSI:	0.181
HORZ(TL): 0.007	F	-	-	Creep Factor: 1.5	

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

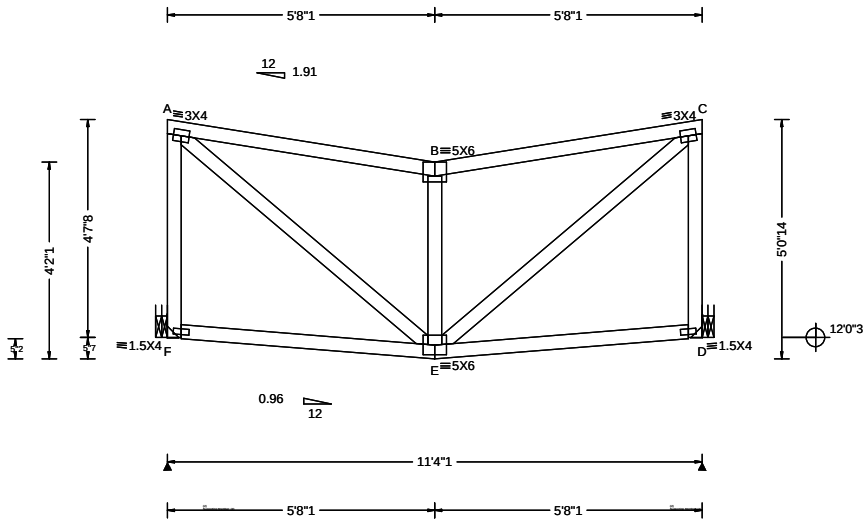
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2899 / T63 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 72.8 lbs	**Job Number:** J29203 - **Truss Label:** T7E	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 16.19 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.019	B	999	240	Max TC CSI: 0.690
VERT(TL): 0.038	B	999	240	Max BC CSI: 0.137
HORZ(LL): -0.007	C	-	-	Max Web CSI: 0.208
HORZ(TL): -0.014	C	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	585	/-	/-	/226	/65	/-
D	585	/-	/-	/226	/65	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	100	-556	B - C	100	-556

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	4	-5	E - D	4	-5

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	147	-544	E - C	662	-139
A - E	662	-139	C - D	147	-544
E - B	209	-719			

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

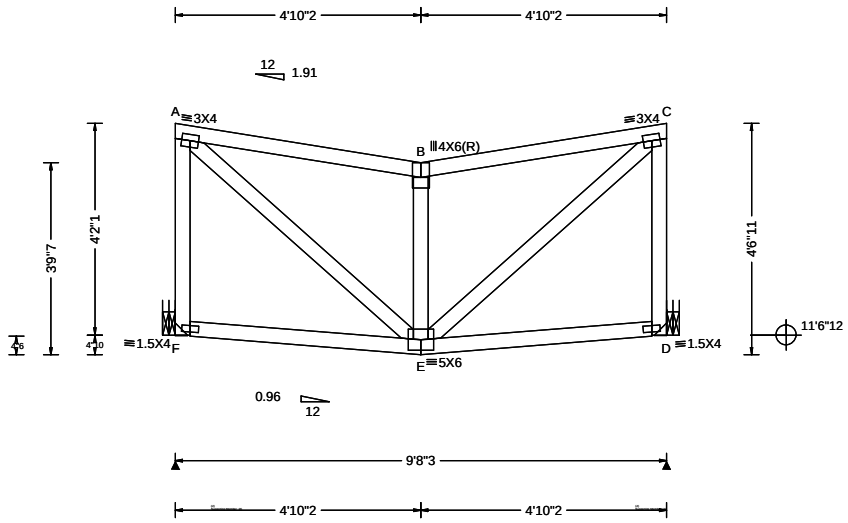
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2900 / T64 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 61.6 lbs	**Job Number:** J29203 - **Truss Label:** T7F	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.35 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.013	B	999	240	Max TC CSI: 0.452
VERT(TL): 0.026	B	999	240	Max BC CSI: 0.086
HORZ(LL): -0.005	C	-	-	Max Web CSI: 0.138
HORZ(TL): -0.009	C	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	499	/-	/-	/192	/51	/-
D	499	/-	/-	/192	/51	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	89	-444	B - C	89	-444

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	14	-5	E - D	14	-5

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	138	-461	E - C	526	-124
A - E	526	-124	C - D	138	-461
E - B	190	-588			

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

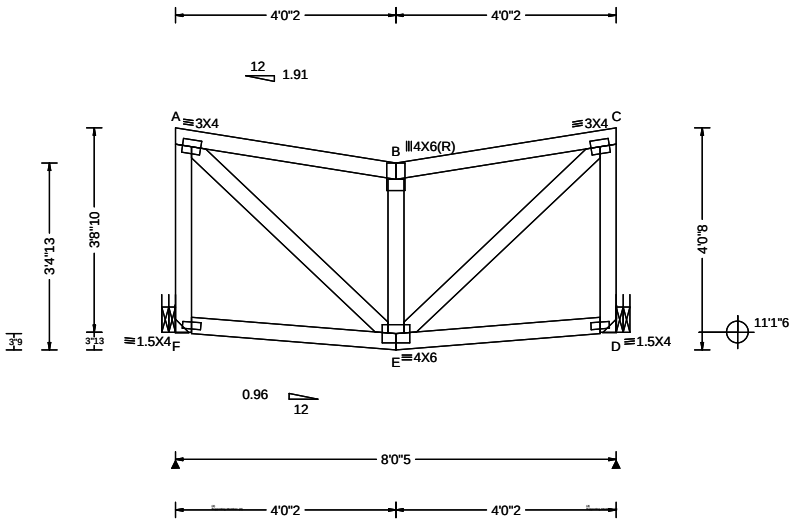
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2901 / T65 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 54.6 lbs	**Job Number:** J29203 - **Truss Label:** T7G	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	412	/-	/-	/158	/41	/-
D	412	/-	/-	/158	/41	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	79	-342	B - C	79	-342

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	10	-5	E - D	10	-4

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	130	-381	E - C	413	-115
A - E	413	-115	C - D	130	-381
E - B	178	-477			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.009	B	999	240	Max TC CSI:	0.305
VERT(TL): 0.017	B	999	240	Max BC CSI:	0.062
HORZ(LL): -0.003	C	-	-	Max Web CSI:	0.101
HORZ(TL): -0.006	C	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

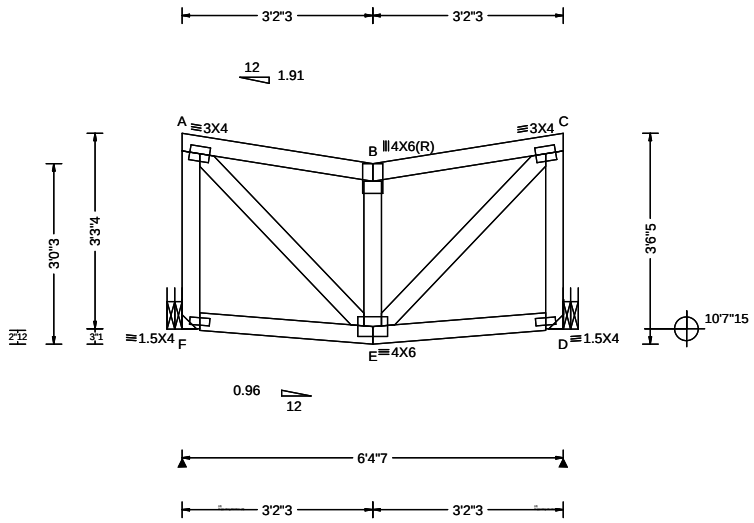
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2902 / T61 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 43.4 lbs	**Job Number:** J29203 - **Truss Label:** T7H	DRW: ... / ... 11/20/2019



Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.005	B	999	240	Max TC CSI: 0.190
VERT(TL): 0.010	B	999	240	Max BC CSI: 0.042
HORZ(LL): -0.002	C	-	-	Max Web CSI: 0.075
HORZ(TL): -0.003	C	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	326	/-	/-	/124	/32	/-
D	326	/-	/-	/124	/32	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	67	-244	B - C	67	-244

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	7	-4	E - D	7	-3

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	121	-302	E - C	305	-105
A - E	305	-105	C - D	121	-302
E - B	167	-367			

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

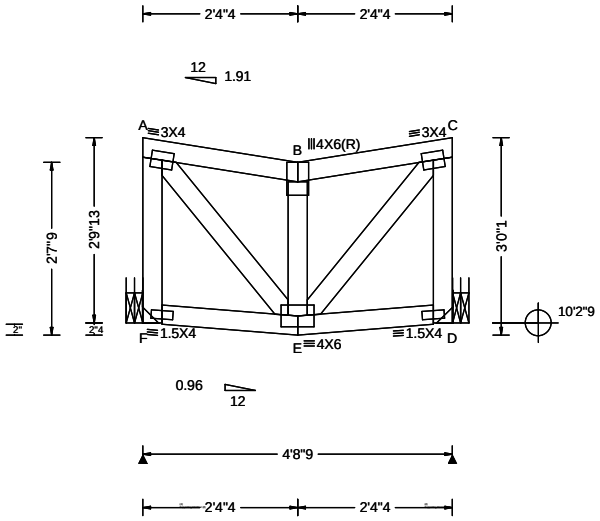
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2903 / T62 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 40.6 lbs	**Job Number:** J29203 - **Truss Label:** T7J	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	240	/-	/-	/90	/24	/-
D	240	/-	/-	/90	/24	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	44	-154	B - C	44	-154

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	4	-2	E - D	4	-2

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	96	-222	B - E	128	-259
A - E	203	-76	C - D	96	-222
E - C	203	-76			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.003	B	999	240	Max TC CSI: 0.103
VERT(TL): 0.005	B	999	240	Max BC CSI: 0.024
HORZ(LL): -0.001	C	-	-	Max Web CSI: 0.050
HORZ(TL): -0.002	C	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

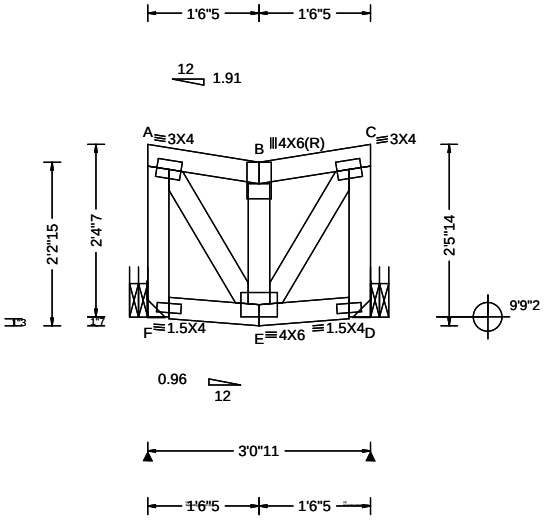
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2904 / T5 / COMN FROM:	Ply: 1 Qty: 1 Wgt: 30.8 lbs	**Job Number:** J29203 - **Truss Label:** T7K	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs)

Loc	R+	Gravity / R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
F	153	/-	/-	/55	/16	/-
D	153	/-	/-	/55	/16	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	19	-76	B - C	19	-76

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	2	-1	E - D	2	-1

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	61	-142	B - E	76	-155
A - E	111	-41	C - D	61	-142
E - C	111	-41			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.001	B	999	240	Max TC CSI:	0.043
VERT(TL): 0.002	B	999	240	Max BC CSI:	0.012
HORZ(LL): -0.000	C	-	-	Max Web CSI:	0.027
HORZ(TL): -0.001	C	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss designed for unbalanced snow loads.

Additional Notes
Shim all supports to solid bearing.

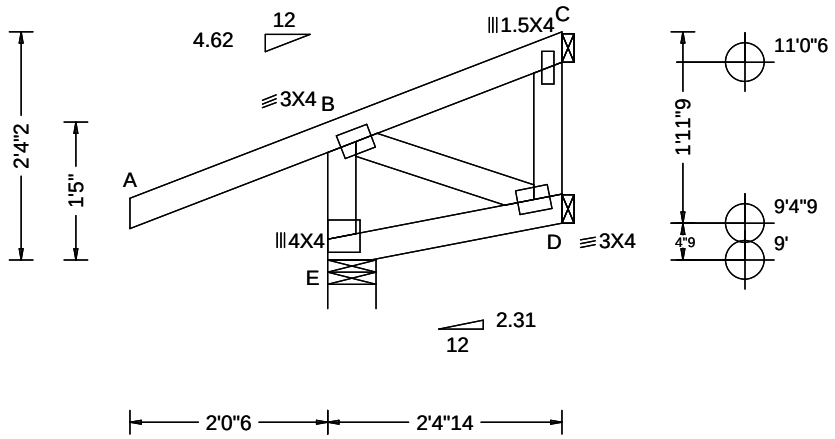
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2905 / T81 / MONO FROM:	Ply: 1 Qty: 2 Wgt: 19.6 lbs	**Job Number:** J29203 - **Truss Label:** T8	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"2

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.000	B	999	240	Max TC CSI: 0.396
VERT(TL): 0.001	B	999	240	Max BC CSI: 0.028
HORZ(LL): -0.000	C	-	-	Max Web CSI: 0.048
HORZ(TL): -0.001	C	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

Additional Notes
Shim all supports to solid bearing.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity R-	Non-Gravity Rh	Non-Gravity Rw	Non-Gravity U	Non-Gravity RL
E	377	/-	/-	/169	/41	/44
D	21	/-	/-	/37	/15	/-
C	30	/-	/-	/22	/14	/-

Wind reactions based on MWFRS
E Brg Width = 6.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	64	0	B - C	11	-61

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	20	-86

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - E	183	-350	C - D	0	0
B - D	88	-16			

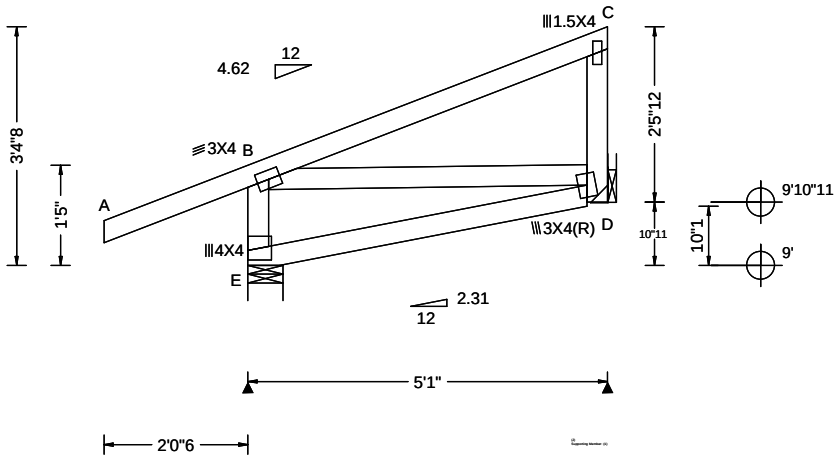
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2906 / T82 / MONO FROM:	Ply: 1 Qty: 2 Wgt: 32.2 lbs	**Job Number:** J29203 - **Truss Label:** T8A	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"2

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.001	B	999	240	Max TC CSI: 0.421
VERT(TL): 0.001	B	999	240	Max BC CSI: 0.129
HORZ(LL): -0.001	C	-	-	Max Web CSI: 0.065
HORZ(TL): -0.001	C	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	475	/-	/-	/216	/34	/71
D	222	/-	/-	/102	/43	/-

Wind reactions based on MWFRS
E Brg Width = 6.0 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	64	0	B - C	45	-107

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	38	-124

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - E	197	-427	C - D	108	-172
B - D	109	-19			

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Right end vertical not exposed to wind pressure.

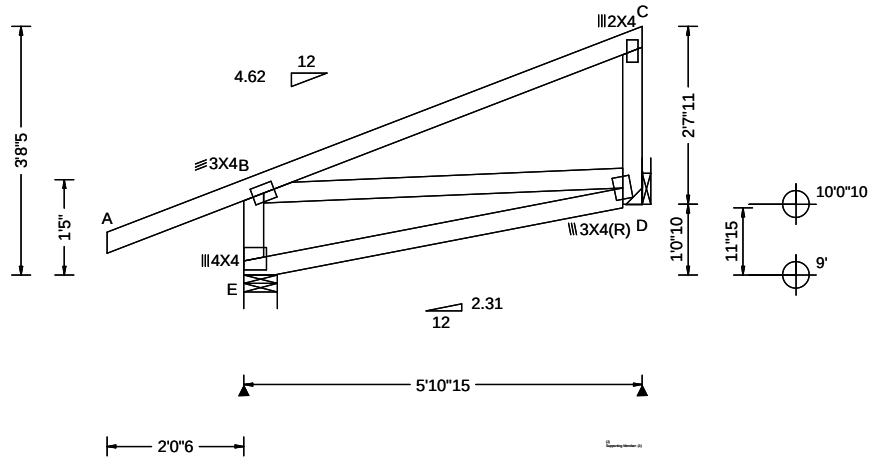
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2907 / T83 / MONO FROM:	Ply: 1 Qty: 2 Wgt: 37.8 lbs	**Job Number:** J29203 - **Truss Label:** T8B	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"2

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	513	/-	/-	/233	/35	/80
D	269	/-	/-	/125	/49	/-

Wind reactions based on MWFRS
E Brg Width = 6.0 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	64	0	B - C	49	-128

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	49	-137

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - E	199	-461	C - D	119	-208
B - D	116	-23			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.001	B	999	240	Max TC CSI:	0.538
VERT(TL): 0.001	B	999	240	Max BC CSI:	0.174
HORZ(LL): -0.001	C	-	-	Max Web CSI:	0.110
HORZ(TL): -0.002	C	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

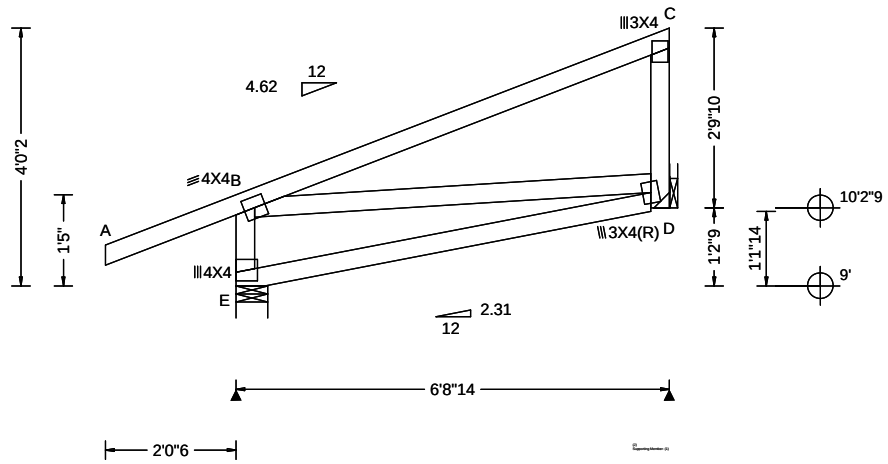
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2908 / T84 / MONO FROM:	Ply: 1 Qty: 2 Wgt: 40.6 lbs	**Job Number:** J29203 - **Truss Label:** T8C	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"2

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.001	B	999	240	Max TC CSI: 0.745
VERT(TL): 0.001	B	999	240	Max BC CSI: 0.226
HORZ(LL): -0.001	C	-	-	Max Web CSI: 0.170
HORZ(TL): -0.002	C	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Right end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
E	552	/-	/-	/251	/37	/88
D	316	/-	/-	/147	/55	/-

Wind reactions based on MWFRS
E Brg Width = 6.0 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	64	0	B - C	50	-151

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	76	-149

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - E	203	-496	C - D	127	-241
B - D	124	-29			

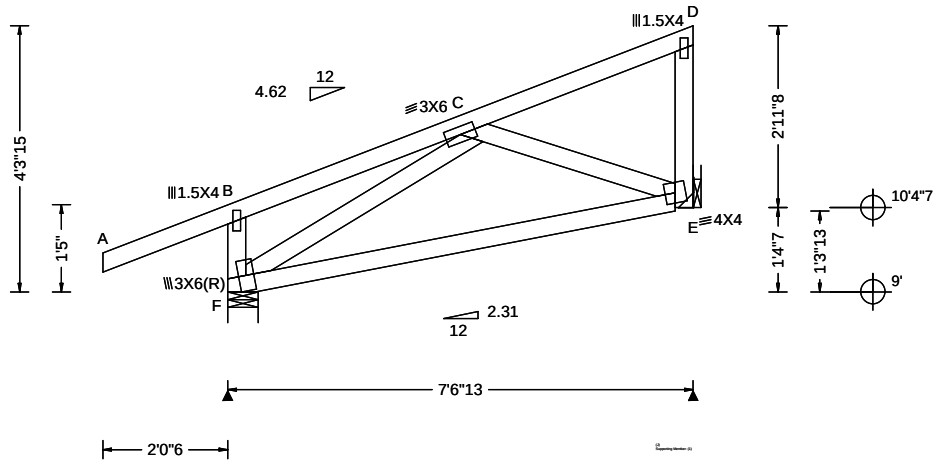
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2909 / T85 / MONO FROM:	Ply: 1 Qty: 2 Wgt: 47.6 lbs	**Job Number:** J29203 - **Truss Label:** T8D	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"2

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure:Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.006	C	999	240	Max TC CSI: 0.421
VERT(TL): 0.012	C	999	240	Max BC CSI: 0.345
HORZ(LL): 0.003	E	-	-	Max Web CSI: 0.144
HORZ(TL): 0.005	E	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
F	592	/-	/-	/271	/40	/97
E	362	/-	/-	/168	/60	/-

Wind reactions based on MWFRS
F Brg Width = 6.0 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	64	0	C - D	32	- 82
B - C	88	- 80			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	347	- 170

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - F	226	- 359	C - E	163	- 325
F - C	53	- 381	D - E	79	- 132

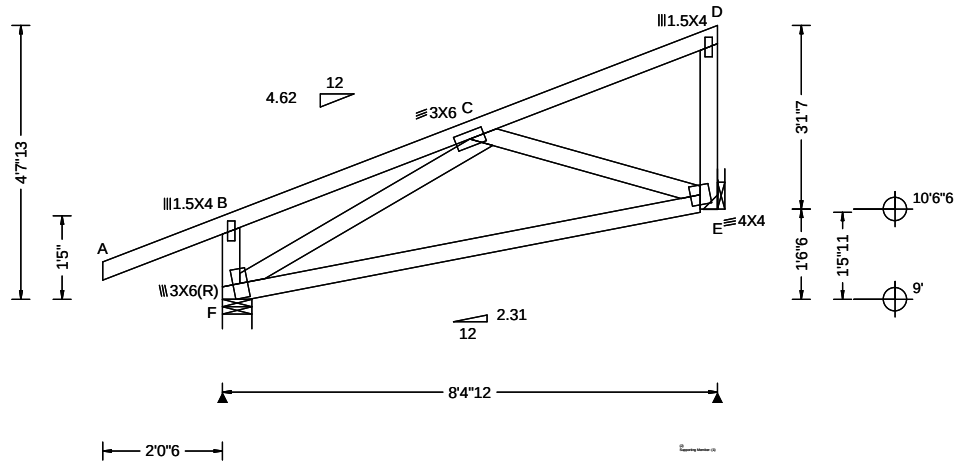
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2910 / T86 / MONO FROM:	Ply: 1 Qty: 2 Wgt: 51.8 lbs	**Job Number:** J29203 - **Truss Label:** T8E	DRW: ... / ... 11/20/2019



LEFT RAKE = 2'2"2

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity R-	Non-Gravity Rh	Non-Gravity Rw	Non-Gravity U	Non-Gravity RL
F	633	/-	/-	/290	/15	/74
E	407	/-	/-	/190	/24	/-

Wind reactions based on MWFRS
F Brg Width = 6.0 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	64	0	C - D	33	- 94
B - C	86	- 94			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	426	- 185

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - F	224	- 371	C - E	176	- 397
F - C	65	- 455	D - E	83	- 144

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.009	C	999	240	Max TC CSI: 0.421
VERT(TL): 0.017	C	999	240	Max BC CSI: 0.419
HORZ(LL): 0.004	E	-	-	Max Web CSI: 0.206
HORZ(TL): 0.007	E	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Right end vertical not exposed to wind pressure.

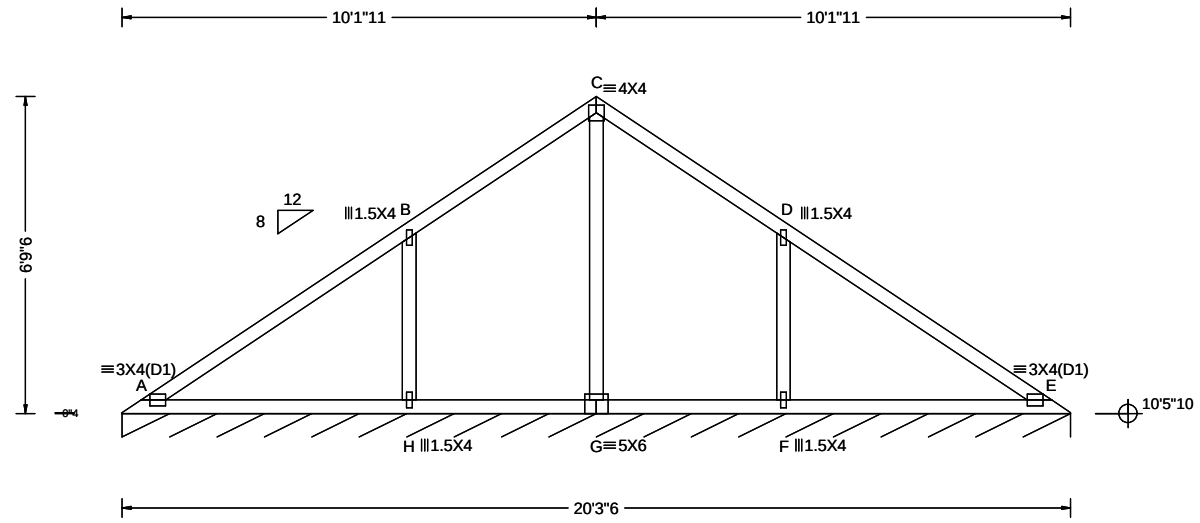
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2911 / T4 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 88.2 lbs	**Job Number:** J29203 - **Truss Label:** V1	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	105	/-	/-	/45	/7	/7

Wind reactions based on MWFRS
E Brg Width = 243 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	399	- 91	C - D	328	0
B - C	328	0	D - E	399	- 91

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	107	- 209	G - F	110	- 220
H - G	110	- 220	F - E	107	- 209

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	149	- 494	F - D	149	- 494
C - G	0	- 523			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.029	H	999	240	Max TC CSI:	0.576
VERT(TL): 0.061	H	999	240	Max BC CSI:	0.339
HORZ(LL): 0.012	H	-	-	Max Web CSI:	0.382
HORZ(TL): 0.026	H	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

Additional Notes
See DWG VAL160101014 for valley details.

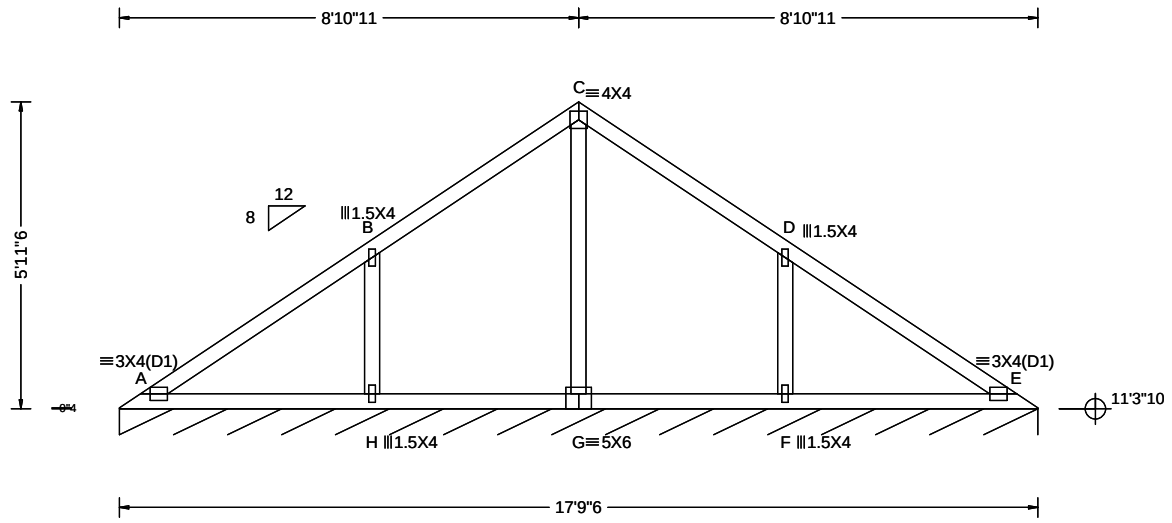
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2912 / T15 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 78.4 lbs	**Job Number:** J29203 - **Truss Label:** V2	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	/ Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
E*	105	/-	/-	/45	/7	/7

Wind reactions based on MWFRS
E Brg Width = 213 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	233	- 62	C - D	199	- 6
B - C	199	- 6	D - E	233	- 62

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	74	- 102	G - F	78	- 107
H - G	78	- 107	F - E	74	- 102

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	132	- 429	F - D	132	- 429
C - G	0	- 402			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.014	H	999	240	Max TC CSI: 0.458
VERT(TL): 0.029	H	999	240	Max BC CSI: 0.199
HORZ(LL): -0.006	F	-	-	Max Web CSI: 0.223
HORZ(TL): -0.012	F	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

Additional Notes
See DWG VAL160101014 for valley details.

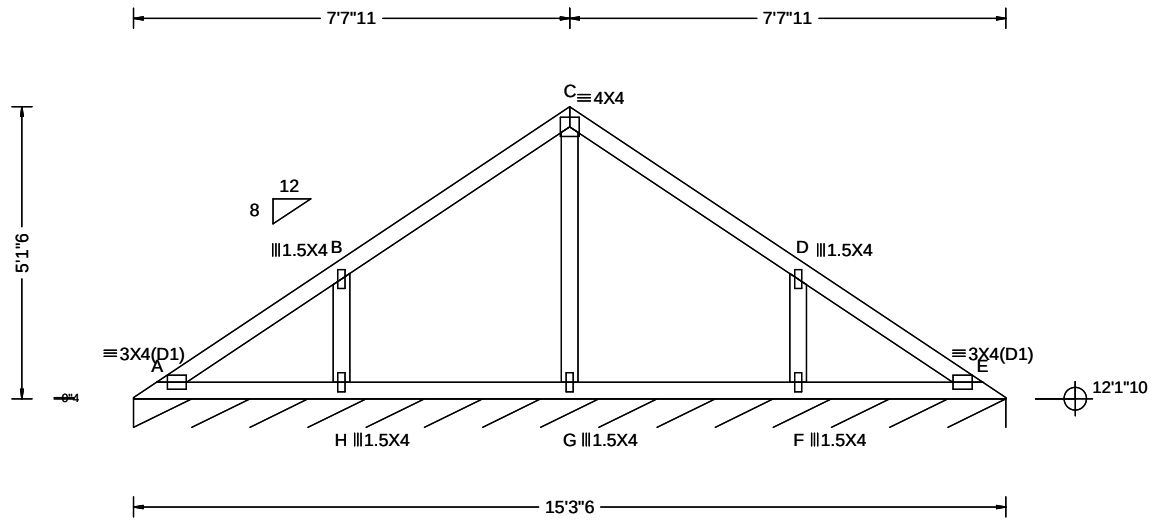
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2913 / T16 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 63.0 lbs	**Job Number:** J29203 - **Truss Label:** V3	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
E*	105	/-	/-	/44	/7	/7

Wind reactions based on MWFRS
E Brg Width = 183 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	106	- 41	C - D	105	- 91
B - C	105	- 91	D - E	116	- 83

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	48	- 41	G - F	53	- 47
H - G	53	- 47	F - E	48	- 47

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	124	- 378	F - D	124	- 378
C - G	0	- 308			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.005	H	999	240	Max TC CSI:	0.319
VERT(TL): 0.009	H	999	240	Max BC CSI:	0.070
HORZ(LL): -0.002	F	-	-	Max Web CSI:	0.125
HORZ(TL): -0.005	F	-	-	Creep Factor:	1.5

Mfg Specified Camber:

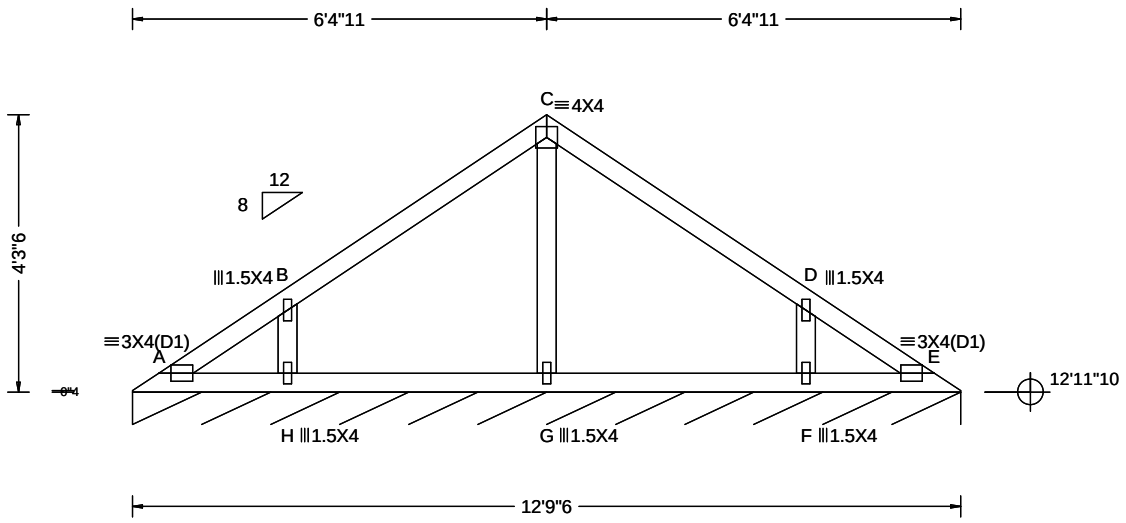
VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

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

Additional Notes
See DWG VAL160101014 for valley details.

SEQN: 2914 / T17 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 53.2 lbs	**Job Number:** J29203 - **Truss Label:** V4	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	105	/-	/-	/44	/7	/7

Wind reactions based on MWFRS
E Brg Width = 153 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	39	- 47	C - D	85	- 150
B - C	85	- 150	D - E	75	- 82

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	52	- 18	G - F	44	- 24
H - G	44	- 24	F - E	53	- 27

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	129	- 353	F - D	129	- 353
C - G	0	- 247			

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.26 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.001	C	999	240	Max TC CSI: 0.255
VERT(TL): 0.002	C	999	240	Max BC CSI: 0.067
HORZ(LL): -0.001	B	-	-	Max Web CSI: 0.070
HORZ(TL): -0.001	B	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

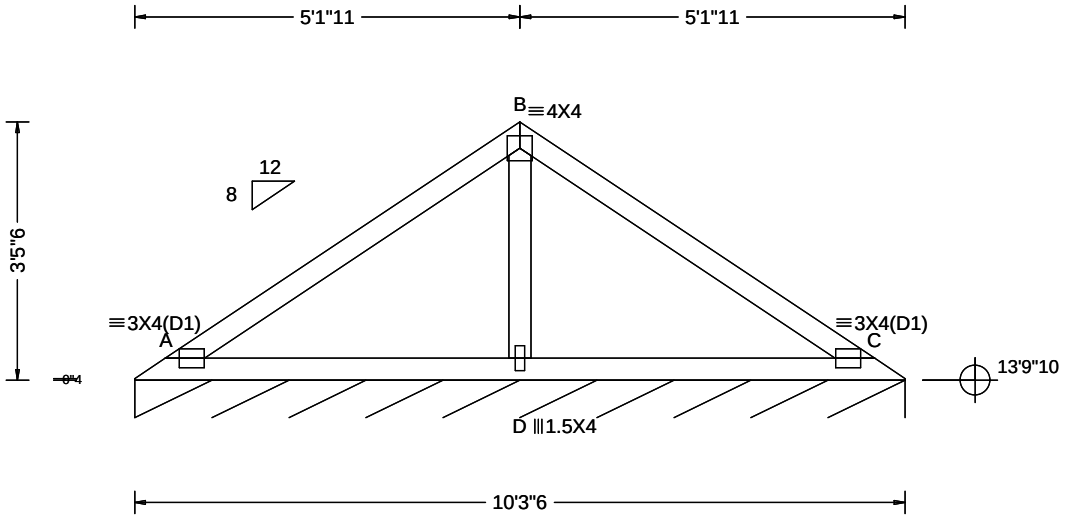
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2915 / T18 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 37.8 lbs	**Job Number:** J29203 - **Truss Label:** V5	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	/ Rh	Non-Gravity / Rw	Non-Gravity / U	/ RL
C*	105	/-	/-	/44	/-	/7

Wind reactions based on MWFRS
C Brg Width = 123 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	461	-102	B - C	461	-102

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	128	-304	D - C	128	-304

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	173	-749

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.67 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.020	D	999	240	Max TC CSI: 0.468
VERT(TL): 0.042	D	999	240	Max BC CSI: 0.277
HORZ(LL): -0.010	D	-	-	Max Web CSI: 0.148
HORZ(TL): -0.022	D	-	-	Creep Factor: 1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

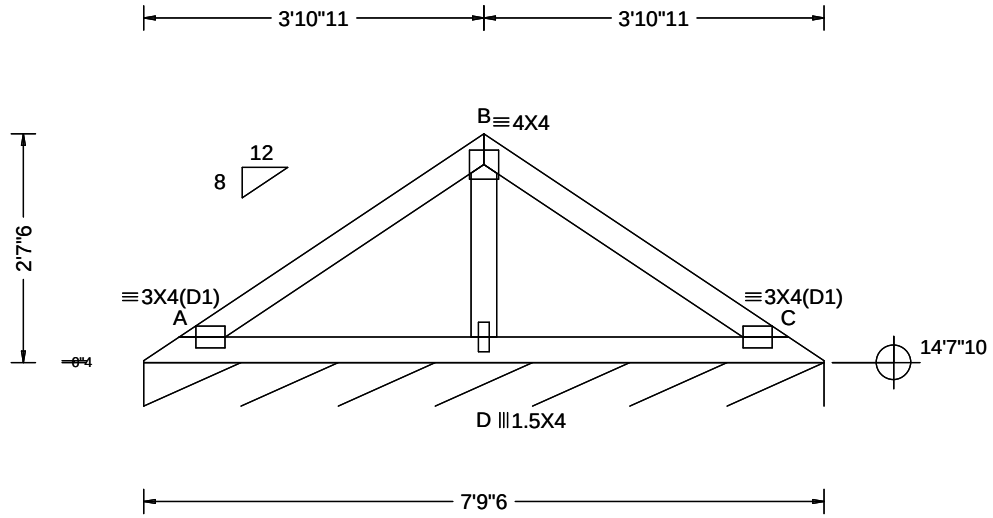
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2916 / T19 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 28.0 lbs	**Job Number:** J29203 - **Truss Label:** V6	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	/ Rh	Non-Gravity / Rw	Non-Gravity / U	/ RL
C*	105	/-	/-	/43	/-	/7

Wind reactions based on MWFRS
C Brg Width = 93.4 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	274	-58	B - C	274	-58

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	85	-170	D - C	85	-170

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	119	-480

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 16.09 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.009	D	999	240	Max TC CSI:	0.256
VERT(TL): 0.018	D	999	240	Max BC CSI:	0.151
HORZ(LL): -0.005	D	-	-	Max Web CSI:	0.071
HORZ(TL): -0.009	D	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

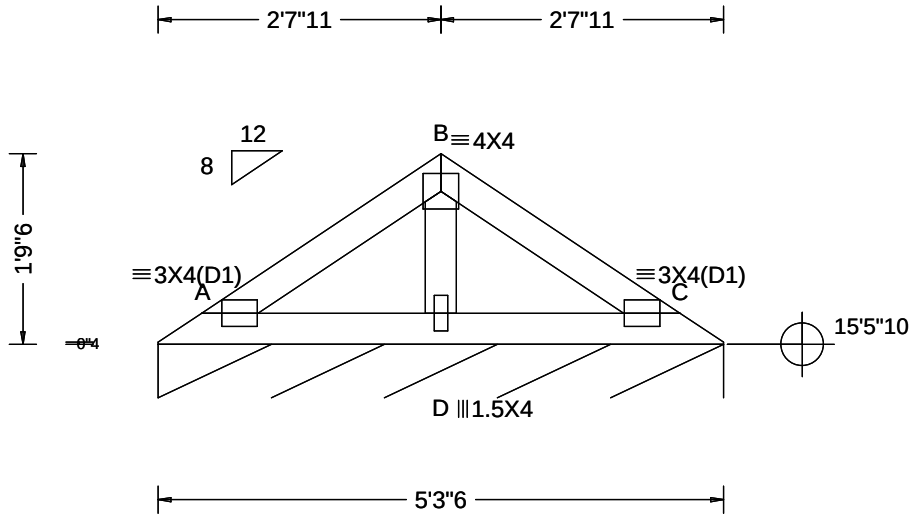
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2917 / T20 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 19.6 lbs	**Job Number:** J29203 - **Truss Label:** V7	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	/ Rh	Non-Gravity / Rw	Non-Gravity / U	/ RL
C*	105	/-	/-	/42	/-	/6

Wind reactions based on MWFRS
C Brg Width = 63.4 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	135	- 21	B - C	135	- 21

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	44	- 75	D - C	44	- 75

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	64	- 262

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 16.51 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL): 0.003	D	999	240	Max TC CSI:	0.100
VERT(TL): 0.005	D	999	240	Max BC CSI:	0.063
HORZ(LL): -0.001	D	-	-	Max Web CSI:	0.034
HORZ(TL): -0.003	D	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber

Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2
Webs 2x4 SPF #1/#2

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

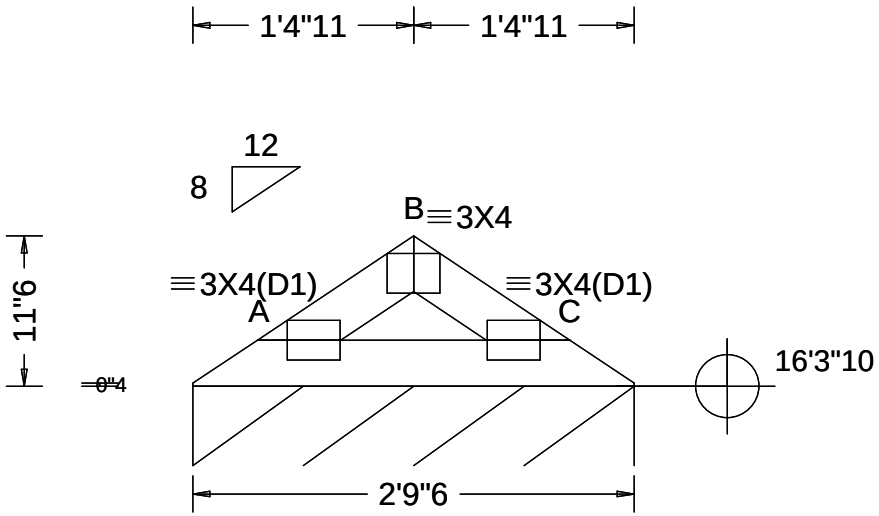
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2918 / T21 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 9.8 lbs	**Job Number:** J29203 - **Truss Label:** V8	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	104	/-	/-	/40	/-	/5

Wind reactions based on MWFRS
C Brg Width = 33.4 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	29	-115	B - C	29	-115

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - C	108	-12

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 16.92 ft Kzt: NA
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL):	0.002	999	240	Max TC CSI:	0.037
VERT(TL):	0.003	999	240	Max BC CSI:	0.064
HORZ(LL):	-0.001	-	-	Max Web CSI:	0.000
HORZ(TL):	-0.002	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2

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

Additional Notes
See DWG VAL160101014 for valley details.

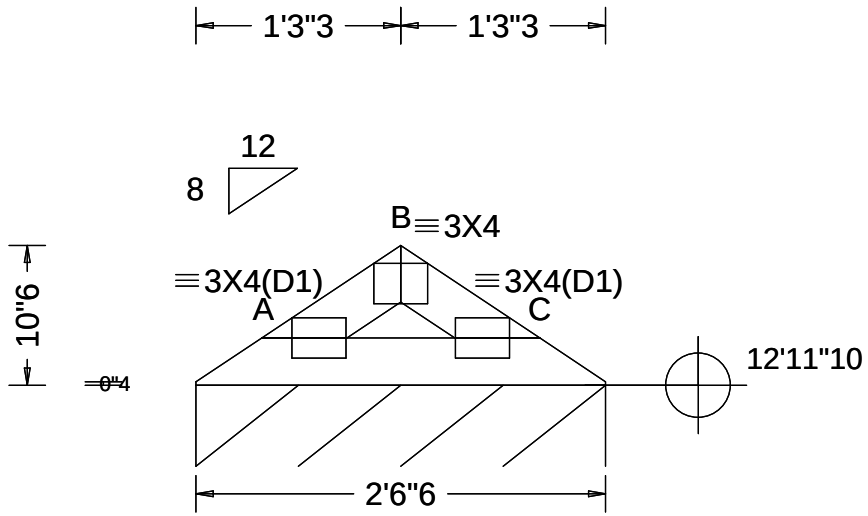
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 2919 / T22 / VAL FROM:	Ply: 1 Qty: 1 Wgt: 9.8 lbs	**Job Number:** J29203 - **Truss Label:** V9	DRW: ... / ... 11/20/2019



▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	104	/-	/-	/39	/2	/5

Wind reactions based on MWFRS
C Brg Width = 30.4 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	23	-100	B - C	23	-100

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - C	96	-10

Loading Criteria (psf)
TCLL: 25.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00 Soffit: 2.00
Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10 Speed: 120 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: C
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria
(Pg,Pf in PSF)
Pg: 40.0 Ct: 1.1
Pf: 30.8
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Code / Misc Criteria
Bldg Code: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#		
VERT(LL):	0.001	999	240	Max TC CSI:	0.029
VERT(TL):	0.003	999	240	Max BC CSI:	0.054
HORZ(LL):	-0.001	-	-	Max Web CSI:	0.000
HORZ(TL):	-0.001	-	-	Creep Factor:	1.5

Mfg Specified Camber:

VIEW Ver: 18.02.01B.0321.08

Lumber
Top chord 2x4 SPF #1/#2
Bot chord 2x4 SPF #1/#2

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

Additional Notes
See DWG VAL160101014 for valley details.

****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