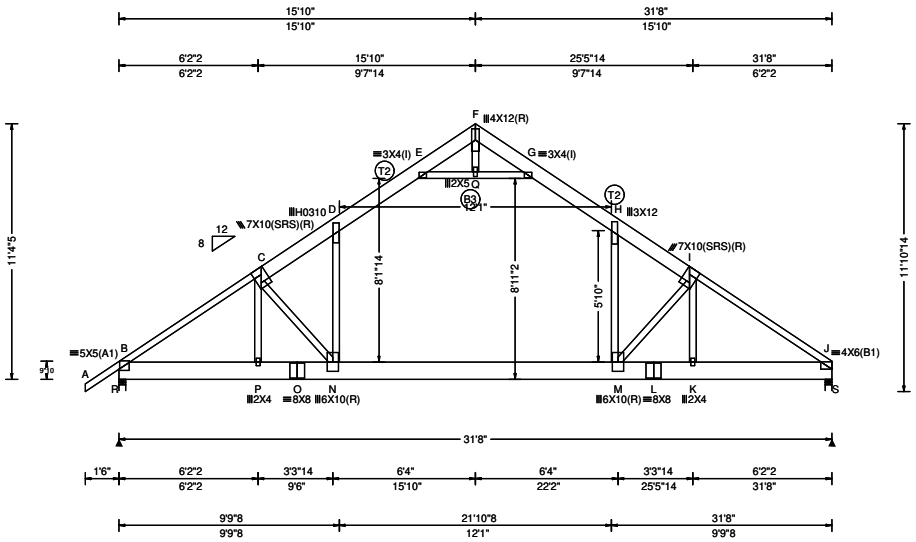
SEQN: 655879 ATIC FROM: CDM	Ply: 1 Qty: 2	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** A01		Cust: R NA JRef:18-2754 T29 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: h/2 to h
C&C Dist a: 3.17 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.239	M	999	480
VERT(CL): 0.480	M	784	360
HORZ(LL): 0.122	D	-	-
HORZ(TL): 0.253	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.595
Max BC CSI: 0.387
Max Web CSI: 0.697

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
R	2278	/-	/-	/877	/233	/329
S	2176	/-	/-	/786	/205	/-

Wind reactions based on MWFRS
R Brg Width = 3.5 Min Req = 1.9
S Brg Width = 3.5 Min Req = 1.8
Bearings R & S are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	53	0	F - G	448	- 50
B - C	350	- 3168	G - H	348	- 2238
C - D	378	- 3246	H - I	391	- 3249
D - E	344	- 2239	I - J	379	- 3187
E - F	447	- 45			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2559	- 209	M - L	2595	- 222
P - O	2577	- 209	L - K	2595	- 222
O - N	2577	- 209	K - J	2577	- 222
N - M	2334	- 102			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - C	109	- 638	Q - G	450	- 3076
C - N	193	- 544	M - H	1657	- 126
D - N	1649	- 110	M - I	214	- 572
E - Q	450	- 3076	I - K	145	- 626
F - Q	696	- 93			

Lumber

Top chord 2x4 SP #2 :T2 2x8 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E :B3 2x4 SP #2:
Webs 2x4 SP #3

Plating Notes

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

Loading

Attic room loading from 9-9-8 to 21-10-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

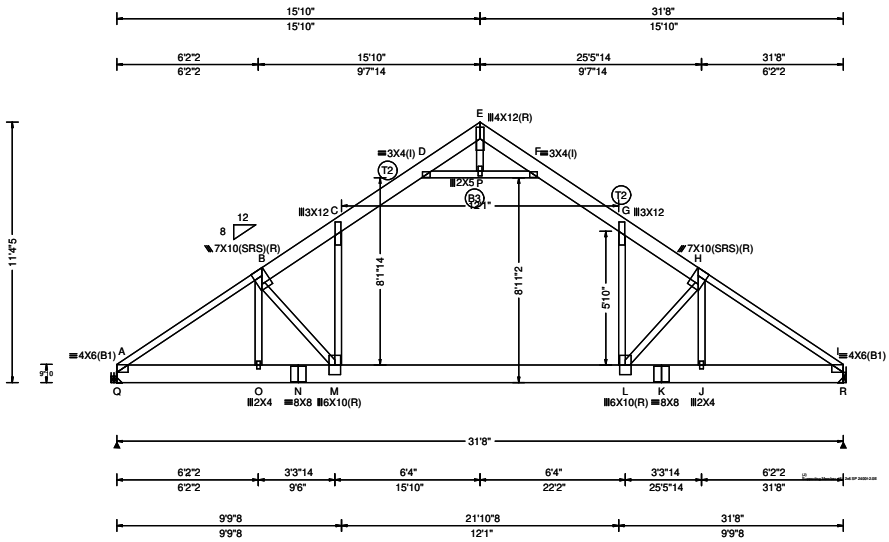
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 11-4-5.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655965 ATIC FROM: CDM	Ply: 1 Qty: 7	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** A02		Cust: R NA JRef:18-2754 T39 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.08 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.17 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.239	L	999	480
VERT(CL): 0.481	L	783	360
HORZ(LL): 0.123	C	-	-
HORZ(TL): 0.256	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.598
Max BC CSI: 0.388
Max Web CSI: 0.700

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	2179	/-	/-	/786	/207	/294
R	2179	/-	/-	/786	/207	/-

Wind reactions based on MWFRS
Q Brg Width = - Min Req = -
R Brg Width = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	383	-3207	E - F	451	-49
B - C	396	-3264	F - G	352	-2248
C - D	352	-2248	G - H	396	-3264
D - E	451	-46	H - I	383	-3207

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - O	2594	-226	L - K	2611	-226
O - N	2611	-226	K - J	2611	-226
N - M	2611	-226	J - I	2594	-225
M - L	2345	-106			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	131	-622	P - F	455	-3093
B - M	204	-583	L - G	1667	-129
C - M	1667	-128	L - H	216	-583
D - P	455	-3093	H - J	148	-622
E - P	699	-94			

Lumber

Top chord 2x4 SP #2 :T2 2x8 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E :B3 2x4 SP #2:
Webs 2x4 SP #3

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Attic room loading from 9-9-8 to 21-10-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

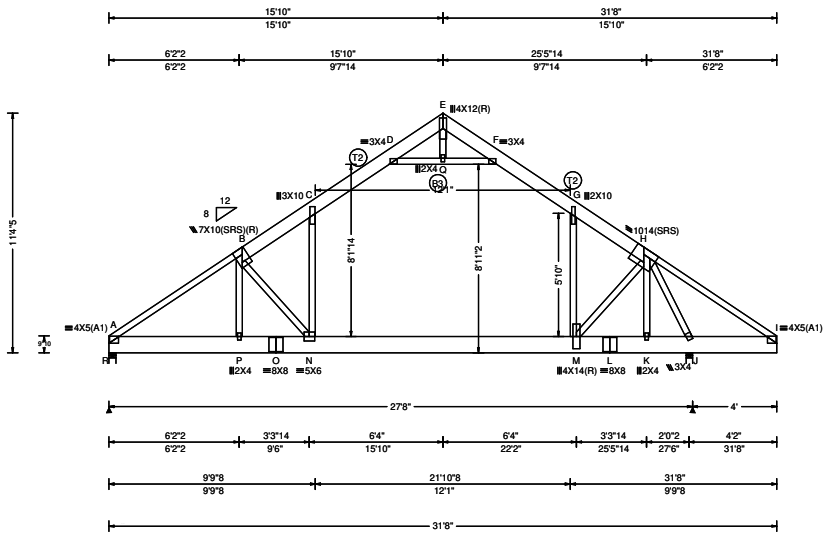
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 11-4-5.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655968 ATIC FROM: CDM	Ply: 1 Qty: 2	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** A03		Cust: R NA JRef:18-2754 T6 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.08 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.17 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.247	N	999	480
VERT(CL): 0.494	N	664	360
HORZ(LL): 0.135	C	-	-
HORZ(TL): 0.274	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.539
Max BC CSI: 0.455
Max Web CSI: 0.863

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
R	1870	/-	/-	/690	/178	/294	
J	2500	/-	/-	/984	/209	/-	

Wind reactions based on MWFRS
R Brg Width = 4.0 Min Req = 1.5
J Brg Width = 3.5 Min Req = 1.7
Bearings R & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	334	- 2719	E - F	198	- 70
B - C	320	- 2509	F - G	293	- 1797
C - D	296	- 1693	G - H	284	- 2307
D - E	319	- 69	H - I	257	- 154

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - P	2186	- 186	M - L	933	- 53
P - O	2189	- 184	L - K	933	- 53
O - N	2189	- 184	K - J	899	- 50
N - M	1741	- 63	J - I	185	- 188

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	255	- 197	Q - F	362	- 2162
B - N	239	- 832	M - G	840	- 63
C - N	1301	- 92	M - H	1484	- 61
D - Q	362	- 2162	H - K	125	- 1071
E - Q	506	- 74	H - J	263	- 2144

Lumber

Top chord 2x4 SP #2 :T2 2x8 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E :B3 2x4 SP #2:
Webs 2x4 SP #3

Loading

Attic room loading from 9-9-8 to 21-10-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

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

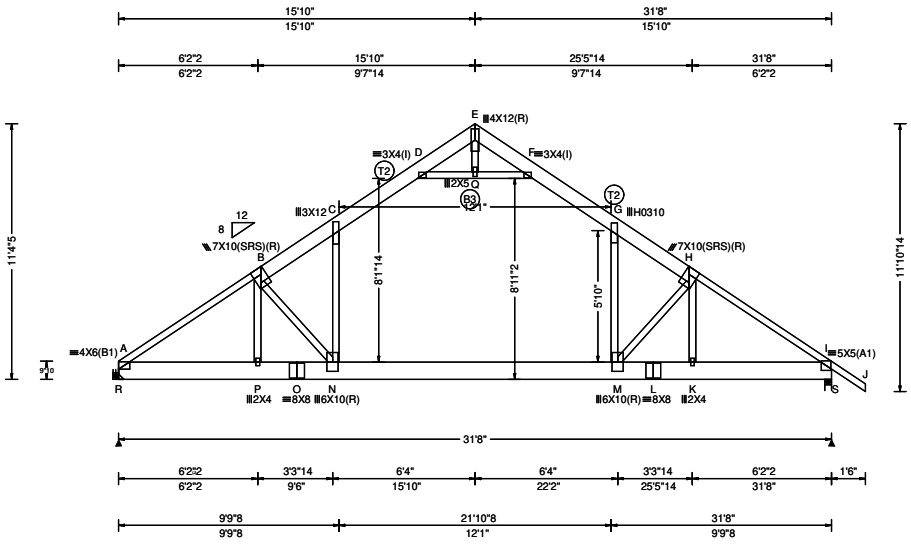
Right cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 11-4-5.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655890 ATIC FROM: CDM	Ply: 1 Qty: 4	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** A04	Cust: R NA JRef:18-2754 T59 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: h/2 to h
C&C Dist a: 3.17 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.240	N	999	480
VERT(CL): 0.482	N	781	360
HORZ(LL): 0.124	C	-	-
HORZ(TL): 0.256	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.596
Max BC CSI: 0.387
Max Web CSI: 0.698

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	2174	/-	/-	/785	/205	/329
S	2286	/-	/-	/878	/233	/-

Wind reactions based on MWFRS
R Brg Width = - Min Req = -
S Brg Width = 3.5 Min Req = 1.9
Bearing S is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	383	- 3200	F - G	346	- 2241
B - C	393	- 3254	G - H	381	- 3249
C - D	349	- 2240	H - I	353	- 3168
D - E	449	- 46	I - J	57	0
E - F	447	- 49			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - P	2588	- 195	M - L	2578	- 182
P - O	2605	- 195	L - K	2578	- 182
O - N	2605	- 195	K - I	2559	- 181
N - M	2337	- 74			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	129	- 616	Q - F	451	- 3079
B - N	207	- 585	M - G	1650	- 111
C - N	1661	- 128	M - H	213	- 541
D - Q	451	- 3079	H - K	129	- 641
E - Q	697	- 93			

Lumber

Top chord 2x4 SP #2 :T2 2x8 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E :B3 2x4 SP #2:
Webs 2x4 SP #3

Plating Notes

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

Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Bearing at location x=0' uses the following support conditions: 0'
Bearing R (0', 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.

Loading

Attic room loading from 9-9-8 to 21-10-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

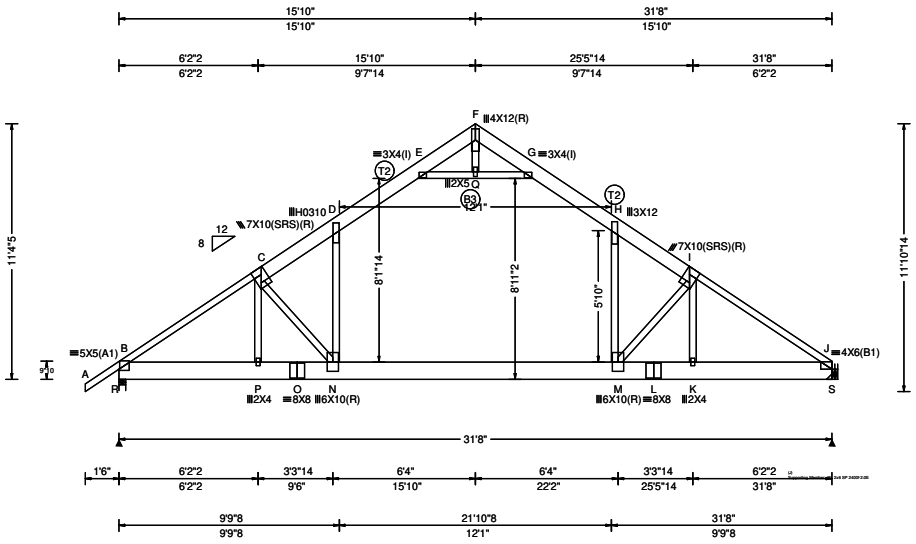
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 11-4-5.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655903 ATIC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** A05		Cust: R NA JRef:18-2754 T44 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: h/2 to h
C&C Dist a: 3.17 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.240	M	999	480
VERT(CL): 0.482	M	781	360
HORZ(LL): 0.122	D	-	-
HORZ(TL): 0.253	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.596
Max BC CSI: 0.387
Max Web CSI: 0.699

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	2286	/-	/-	/878	/233	/329
S	2174	/-	/-	/786	/205	/-

Wind reactions based on MWFRS
R Brg Width = 3.5 Min Req = 1.9
S Brg Width = - Min Req = -
Bearing R is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	57	0	F - G	449	-50
B - C	350	-3168	G - H	349	-2240
C - D	378	-3249	H - I	392	-3254
D - E	344	-2241	I - J	380	-3200
E - F	447	-45			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2559	-209	M - L	2605	-223
P - O	2577	-210	L - K	2605	-223
O - N	2577	-210	K - J	2588	-223
N - M	2337	-103			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - C	109	-641	Q - G	450	-3079
C - N	193	-541	M - H	1662	-127
D - N	1650	-110	M - I	213	-585
E - Q	450	-3079	I - K	148	-616
F - Q	697	-93			

Lumber

Top chord 2x4 SP #2 :T2 2x8 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E :B3 2x4 SP #2:
Webs 2x4 SP #3

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Attic room loading from 9-9-8 to 21-10-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

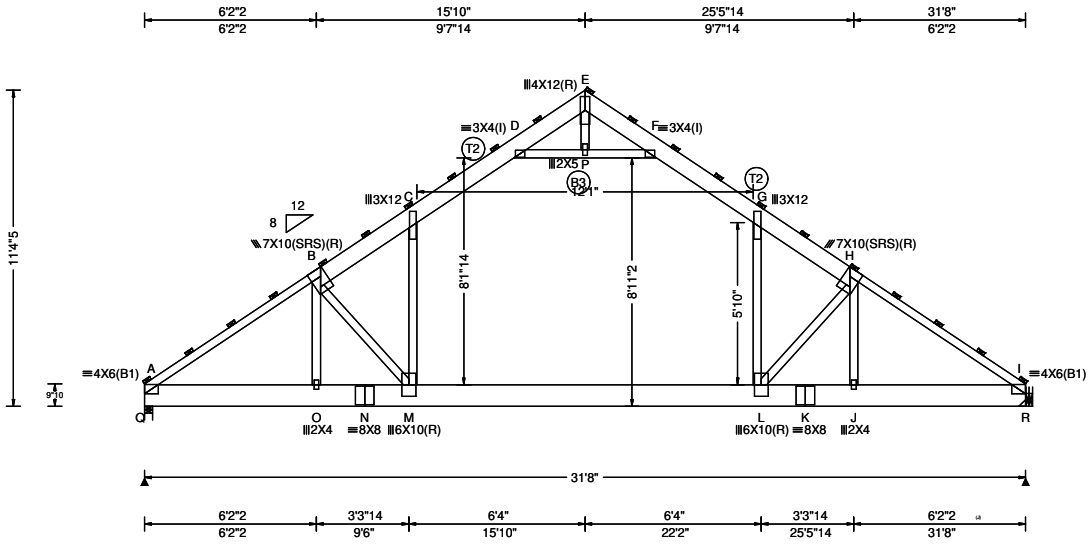
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 11-4-5.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655895 ATIC FROM: CDM	Ply: 2 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** A06		Cust: R NA JRef:18-2754 T26 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 48.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.08 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.17 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.239	L	999	480
VERT(CL): 0.481	L	782	360
HORZ(LL): 0.122	C	-	-
HORZ(TL): 0.255	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.737
Max BC CSI: 0.436
Max Web CSI: 0.699

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	4360	/-	/-	/1572	/414	/588
R	4355	/-	/-	/1571	/413	/-

Wind reactions based on MWFRS
Q Brg Width = 3.5 Min Req = 1.8
R Brg Width = - Min Req = -
Bearing Q is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	382	- 3194	E - F	450	- 49
B - C	395	- 3260	F - G	351	- 2245
C - D	351	- 2246	G - H	396	- 3261
D - E	449	- 46	H - I	383	- 3204

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - O	2583	- 225	L - K	2609	- 225
O - N	2600	- 225	K - J	2609	- 225
N - M	2600	- 225	J - I	2592	- 225
M - L	2343	- 106			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	127	- 632	P - F	454	- 3088
B - M	203	- 570	L - G	1665	- 128
C - M	1662	- 128	L - H	216	- 584
D - P	454	- 3088	H - J	148	- 620
E - P	698	- 94			

Lumber

Top chord 2x4 SP #2 :T2 2x8 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E :B3 2x4 SP #2:
Webs 2x4 SP #3

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @ 8.50" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Attic room loading from 9-9-8 to 21-10-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

Collar-tie braced with continuous lateral bracing at 24" oc.

Wind

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

Blocking

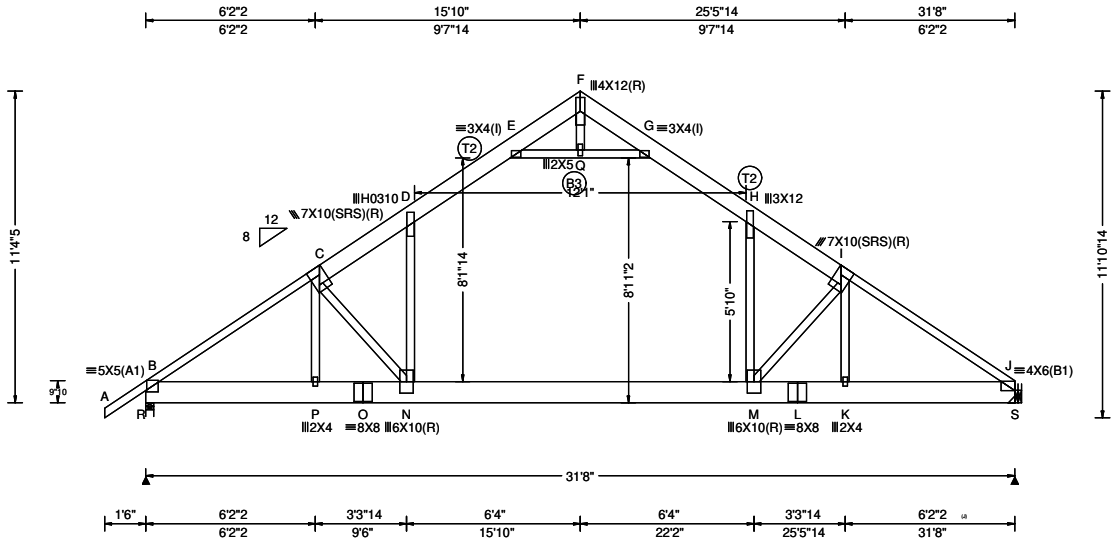
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

Additional Notes

The overall height of this truss excluding overhang is 11-4-5.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655899 ATIC FROM: CDM	Ply: 2 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** A07	Cust: R NA JRef:18-2754 T15 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 48.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: h/2 to h
C&C Dist a: 3.17 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.240	M	999	480
VERT(CL): 0.482	M	782	360
HORZ(LL): 0.122	D	-	-
HORZ(TL): 0.253	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.790
Max BC CSI: 0.435
Max Web CSI: 0.699

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	4558	/-	/-	/1756	/466	/658
S	4349	/-	/-	/1571	/410	/-

Wind reactions based on MWFRS
R Brg Width = 3.5 Min Req = 1.9
S Brg Width = - Min Req = -
Bearing R is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	53	0	F - G	449	-50
B - C	350	-3170	G - H	349	-2240
C - D	378	-3250	H - I	392	-3254
D - E	344	-2242	I - J	380	-3200
E - F	447	-45			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2561	-209	M - L	2606	-223
P - O	2579	-210	L - K	2606	-223
O - N	2579	-210	K - J	2589	-223
N - M	2337	-103			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - C	109	-640	Q - G	450	-3080
C - N	193	-543	M - H	1662	-127
D - N	1651	-110	M - I	213	-585
E - Q	450	-3080	I - K	148	-616
F - Q	697	-93			

Lumber

Top chord 2x4 SP #2 :T2 2x8 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E :B3 2x4 SP #2:
Webs 2x4 SP #3

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @ 8.50" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Attic room loading from 9-9-8 to 21-10-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

Collar-tie braced with continuous lateral bracing at 24" oc.

Wind

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

Blocking

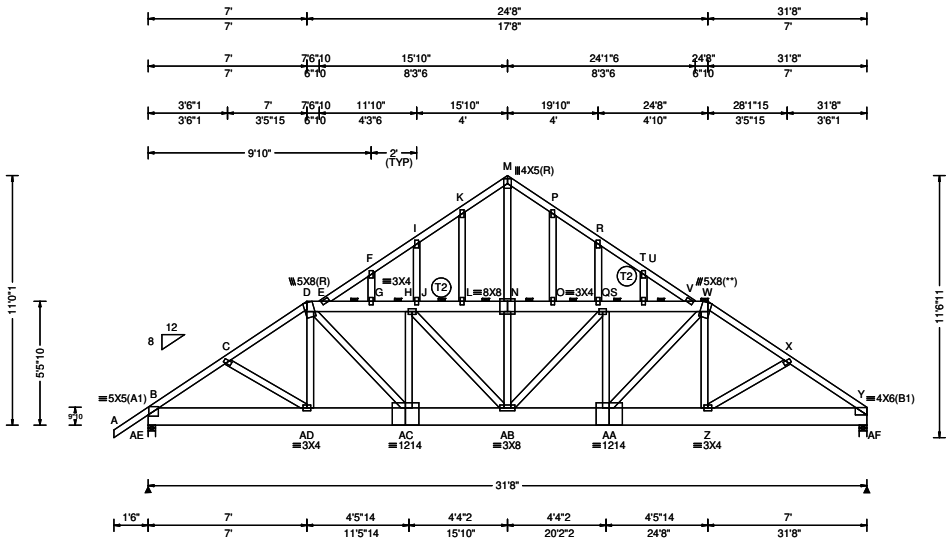
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

Additional Notes

The overall height of this truss excluding overhang is 11-4-5.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655958 GABL	Ply: 2	**Job Number:**		Cust: R NA	JRef:18-2754 T5
FROM: CDM	Qty: 1	/LOT 27 BRITTANY (JL) /MILTON SMITH		DrwNo:	
Page 1 of 2		**Truss Label:** A08		... / ...	09/30/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 3.17 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.090	T	999	240
VERT(CL): 0.183	T	999	180
HORZ(LL): 0.021	F	-	-
HORZ(TL): 0.043	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.668
Max BC CSI: 0.197
Max Web CSI: 0.354

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AE	4280	/-	/-	/1112	/995	/486
AF	4160	/-	/-	/972	/920	/-

Wind reactions based on MWFRS
AE Brg Width = 4.0 Min Req = 1.8
AF Brg Width = 4.0 Min Req = 1.7
Bearings AE & AF are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	45	- 13	M - P	208	- 897
B - C	733	- 3144	N - O	526	- 2337
C - D	701	- 3040	O - Q	525	- 2334
D - E	710	- 3110	P - R	216	- 927
E - F	230	- 976	Q - S	523	- 2326
E - G	547	- 2404	R - U	210	- 904
F - I	211	- 903	S - T	545	- 2425
G - H	549	- 2409	T - V	542	- 2419
H - J	523	- 2326	U - V	229	- 978
I - K	217	- 926	V - W	705	- 3126
J - L	525	- 2334	W - X	694	- 3075
K - M	208	- 896	X - Y	722	- 3195
L - N	526	- 2337			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AD	2546	- 591	AB-AA	3172	- 719
AD-AC	2514	- 578	AA- Z	2539	- 574
AC-AB	3157	- 724	Z - Y	2590	- 584

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AD	88	- 61	N -AB	472	- 102
D -AD	112	- 12	S -AA	143	- 428
D -AC	928	- 205	AA- W	913	- 206
AC- H	142	- 437	W - Z	122	- 27
H -AB	111	- 167	Z - X	94	- 74
AB- S	109	- 190			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
F - G	59	- 103	O - P	56	- 173
I - J	88	- 272	Q - R	86	- 276

Lumber

Top chord 2x4 SP #2 :T2 2x6 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E
Webs 2x4 SP #3

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 31.67
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 31.67
TC: 304 lb Conc. Load at 7.03,24.64
TC: 199 lb Conc. Load at 9.06,11.06,13.06,15.06 16.60,18.60,20.60,22.60
BC: 485 lb Conc. Load at 7.03,24.64
BC: 134 lb Conc. Load at 9.06,11.06,13.06,15.06 16.60,18.60,20.60,22.60

Plating Notes

All plates are 2X4 except as noted.

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads based on MWFRS.

Blocking

Full Height Blocking reinforcement required to prevent buckling of members over the bearings:
bearing 2 located at 31.33' bearing 1 located at 0.00'

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is 11-0-1.

****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

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

K - L	57	- 172	T - U	59	- 107
M - N	641	- 161			

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

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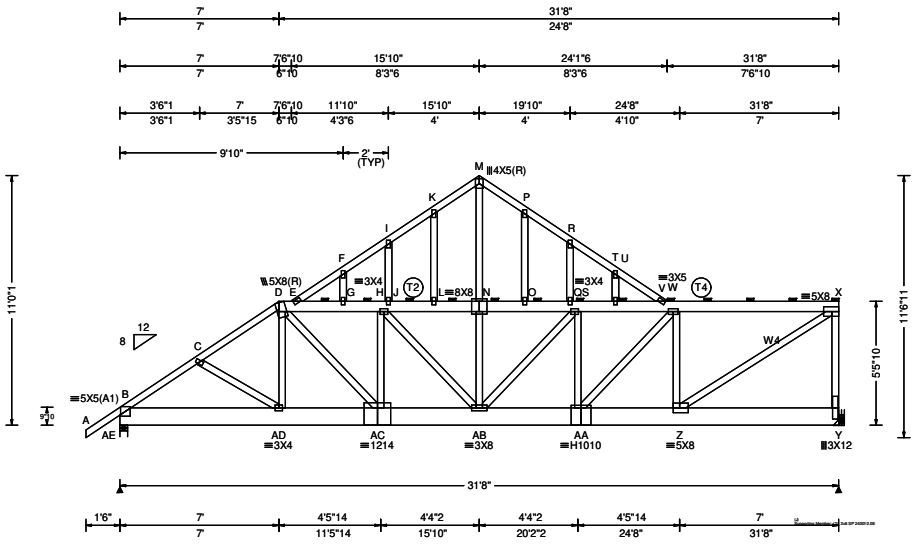
ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655970 GABL FROM: CDM Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** A09	Cust: R NA JRef:18-2754 T2 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 3.17 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.095	P	999	240
VERT(CL): 0.192	P	999	180
HORZ(LL): 0.023	F	-	-
HORZ(TL): 0.047	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.662
Max BC CSI: 0.196
Max Web CSI: 0.751

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity	
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
AE	4244 /-	/-	/-	/994	/-
Y	4693 /-	/-	/-	/1106	/-

Wind reactions based on MWFRS
AE Brg Width = 4.0 Min Req = 1.8
Y Brg Width = - Min Req = -
Bearing AE is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	45	- 13	L - N	496	- 2200
B - C	732	- 3114	M - P	232	- 958
C - D	700	- 3010	N - O	496	- 2200
D - E	700	- 3044	O - Q	495	- 2197
E - F	250	- 1031	P - R	240	- 986
E - G	522	- 2296	Q - S	493	- 2190
F - I	229	- 954	R - U	240	- 981
G - H	524	- 2301	S - T	519	- 2283
H - J	492	- 2190	T - V	516	- 2275
I - K	235	- 977	U - V	254	- 1038
J - L	495	- 2197	V - W	700	- 3047
K - M	226	- 947	W - X	615	- 2641

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AD	2521	- 590	AB-AA	3060	- 705
AD-AC	2489	- 578	AA- Z	2740	- 642
AC-AB	3089	- 714	Z - Y	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AD	15	- 40	N -AB	505	- 82
D -AD	135	0	S -AA	78	- 230
D -AC	868	- 192	AA- W	478	- 90
AC- H	134	- 401	W - Z	460	- 1645
H -AB	61	- 207	Z - X	3214	- 748
AB- S	47	- 162	X - Y	548	- 2174

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
F - G	44	- 98	O - P	58	- 176
I - J	88	- 272	Q - R	76	- 236
K - L	57	- 171	T - U	57	- 137

Lumber

Top chord 2x4 SP #2 :T2, T4 2x6 SP 2400f-2.0E:
Bot chord 2x10 SP 2400f-2.0E
Webs 2x4 SP #3 :W4 2x4 SP #2:

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @10.75" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 31.67
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 31.67
TC: 304 lb Conc. Load at 7.03
TC: 199 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06
BC: 485 lb Conc. Load at 7.03
BC: 134 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Blocking

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is 11-0-1.

****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

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

M - N 716 - 150

****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.

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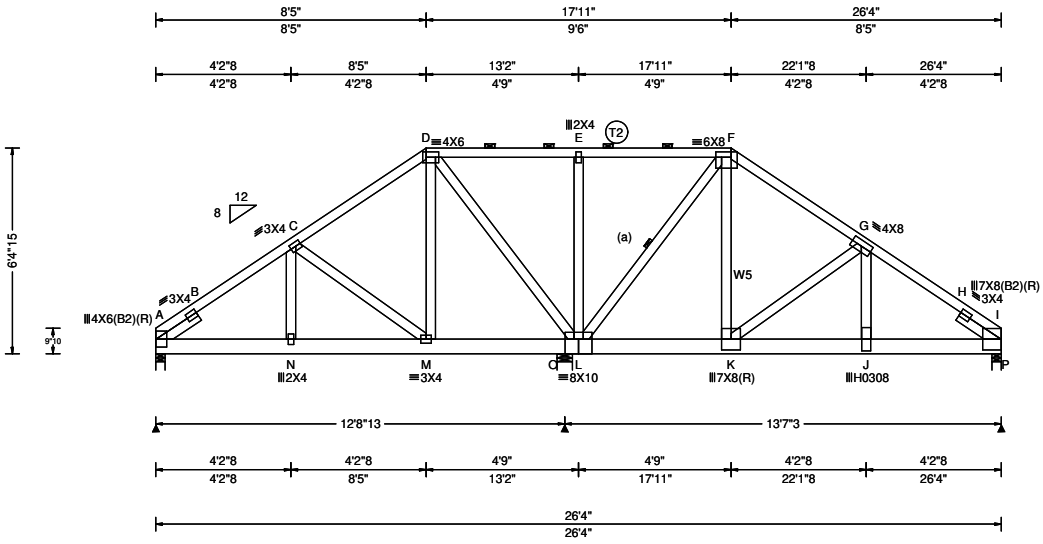
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655972 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** B01		Cust: R NA JRef:18-2754 T19 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.072	K	999	240
VERT(CL): 0.142	K	999	180
HORZ(LL): 0.014	J	-	-
HORZ(TL): 0.028	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.194
Max BC CSI: 0.778
Max Web CSI: 0.938

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	940	/-	/-	/-	/146	/-
O	7024	/-	/1	/-	/776	/0
P	7192	/-	/-	/-	/782	/-

Wind reactions based on MWFRS
A Brg Width = 3.5 Min Req = 1.5
O Brg Width = 5.7 Min Req = 2.9
P Brg Width = 3.5 Min Req = 3.0
Bearings A, O, & P are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	109	- 671	E - F	78	- 693
B - C	99	- 646	F - G	336	- 3033
C - D	74	- 451	G - H	509	- 4713
D - E	78	- 693	H - I	519	- 4741

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - N	514	- 76	L - K	2499	- 267
N - M	510	- 76	K - J	3786	- 406
M - L	689	- 99	J - I	3863	- 413

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - C	134	0	L - F	306	- 2926
C - M	34	- 210	F - K	3804	- 363
D - M	57	- 380	K - G	177	- 1636
D - L	656	- 46	G - J	1954	- 169
E - L	64	- 159			

Lumber

Top chord 2x4 SP M-31 :T2 2x4 SP #2:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3 :W5 2x4 SP #2:
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
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.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at 0.00 to 64 plf at 26.33
BC: From 20 plf at 0.00 to 20 plf at 14.23
BC: From 10 plf at 14.23 to 10 plf at 26.33
BC: 2174 lb Conc. Load at 14.23,16.23
BC: 2179 lb Conc. Load at 18.23,20.23,22.23,24.23

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Blocking

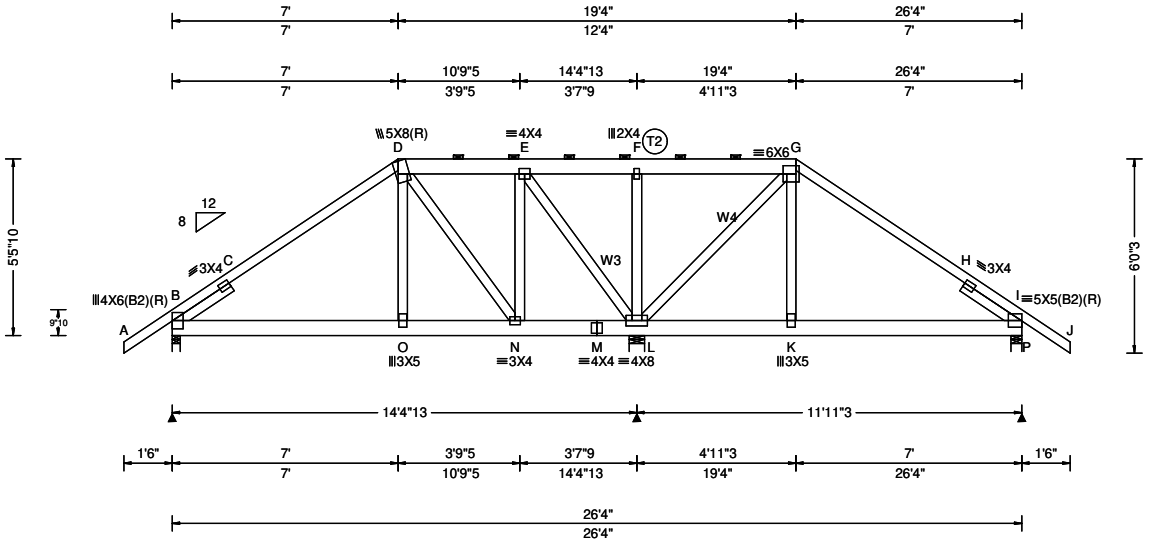
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 3 located at 26.04'

Additional Notes

The overall height of this truss excluding overhang is 6-4-15.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655974 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** B02	Cust: R NA JRef:18-2754 T8 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.062	H	999	240
VERT(CL): 0.126	H	999	180
HORZ(LL): -0.039	H	-	-
HORZ(TL): 0.080	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.727
Max BC CSI: 0.177
Max Web CSI: 0.630

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1227	/-	/-	/-	/293	/-
L	3895	/-	/-	/-	/888	/-
P	882	/-	/-	/-	/214	/-

Wind reactions based on MWFRS
B Brg Width = 3.0 Min Req = 1.5
L Brg Width = 5.7 Min Req = 2.9
P Brg Width = 4.0 Min Req = 1.5
Bearings B, L, & P are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	52	- 19	F - G	353	- 49
B - C	450	- 1754	G - H	223	- 877
C - D	361	- 1467	H - I	1037	- 1690
D - E	182	- 750	I - J	52	- 19
E - F	351	- 48			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - O	1154	- 274	M - L	699	- 175
O - N	1170	- 275	L - K	666	- 153
N - M	699	- 175	K - I	647	- 151

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - O	637	- 30	F - L	366	- 973
D - N	160	- 745	L - G	288	- 1348
N - E	866	- 115	K - G	701	- 39
E - L	391	- 1766			

Lumber

Top chord 2x4 SP #2 :T2 2x6 SP 2400f-2.0E:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3 :W3, W4 2x4 SP M-31:
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.100'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.100'

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 27.83
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 26.33
BC: From 5 plf at 26.33 to 5 plf at 27.83
TC: 304 lb Conc. Load at 7.03,19.30
TC: 199 lb Conc. Load at 9.06,11.06,13.06,13.94 15.27,17.27
BC: 485 lb Conc. Load at 7.03,19.30
BC: 134 lb Conc. Load at 9.06,11.06,13.06,13.94 15.27,17.27

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

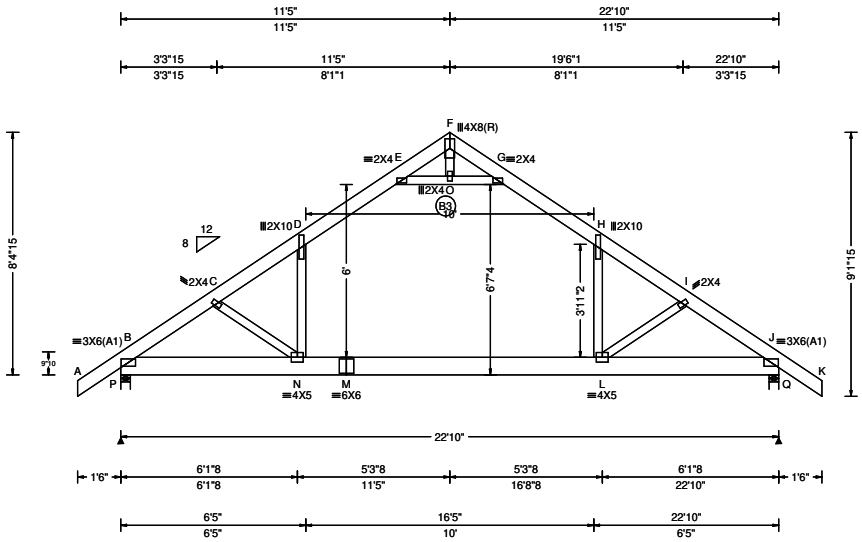
Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 5-5-10.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655978 ATIC FROM: CDM	Ply: 1 Qty: 10	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** C01		Cust: R NA JRef:18-2754 T7 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.160	N	999	480
VERT(CL): 0.322	N	839	360
HORZ(LL): 0.100	D	-	-
HORZ(TL): 0.205	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.547
Max BC CSI: 0.393
Max Web CSI: 0.404

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	1554	/-	/-	/654	/174	/263
Q	1554	/-	/-	/654	/174	/-

Wind reactions based on MWFRS
P Brg Width = 4.0 Min Req = 1.5
Q Brg Width = 4.0 Min Req = 1.5
Bearings P & Q are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	57	0	F - G	377	-36
B - C	253	-2241	G - H	249	-1388
C - D	241	-1998	H - I	243	-1997
D - E	249	-1387	I - J	255	-2240
E - F	378	-33	J - K	57	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	1785	-117	M - L	1408	-35
N - M	1408	-35	L - J	1785	-132

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - N	126	-497	O - G	331	-2000
N - D	912	-31	H - L	911	-31
E - O	331	-2000	L - I	125	-496
F - O	470	-74			

Lumber

Top chord 2x6 SP 2400f-2.0E
Bot chord 2x8 SP 2400f-2.0E :B3 2x4 SP #2:
Webs 2x4 SP #3

Loading

Attic room loading from 6-5-0 to 16-5-0: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

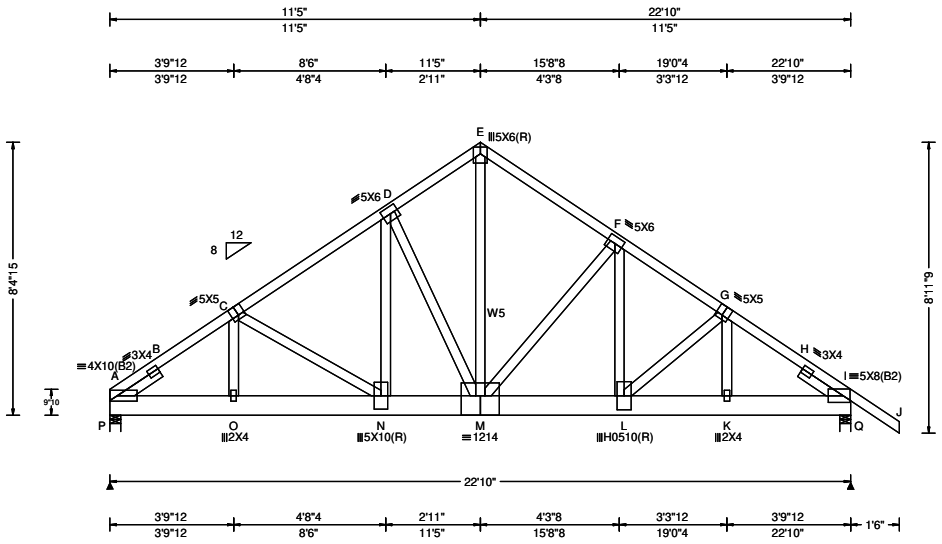
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 8-4-15.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655983 COMN FROM: CDM	Ply: 3 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** C02	Cust: R NA JRef:18-2754 T4 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.125	N	999	240
VERT(CL): 0.250	N	999	180
HORZ(LL): 0.035	C	-	-
HORZ(TL): 0.069	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.594
Max BC CSI: 0.391
Max Web CSI: 0.646

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	9593	/-	/-	/-	/1223	/-
Q	10086	/-	/-	/-	/1554	/-

Wind reactions based on MWFRS
P Brg Width = 4.0 Min Req = 2.6
Q Brg Width = 4.0 Min Req = 2.8
Bearings P & Q are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	619	-4859	F - G	798	-5314
B - C	611	-4833	G - H	741	-4893
C - D	626	-4880	H - I	749	-4919
D - E	548	-4117	I - J	18	-7
E - F	552	-4129			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - O	3952	-499	M - L	4347	-646
O - N	3940	-498	L - K	3993	-603
N - M	3988	-508	K - I	3999	-604

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - C	35	-51	M - F	306	-1455
C - N	122	-17	F - L	1695	-339
N - D	1545	-130	L - G	581	-78
D - M	133	-1328	G - K	90	-558
E - M	4454	-569			

Lumber

Top chord 2x4 SP #2
Bot chord 2x8 SP 2400f-2.0E
Webs 2x4 SP #3 :W5 2x4 SP M-31:
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From	64 plf at	0.00 to	64 plf at	24.33
BC: From	20 plf at	0.00 to	20 plf at	6.56
BC: From	10 plf at	6.56 to	10 plf at	15.77
BC: From	20 plf at	15.77 to	20 plf at	22.83
BC: From	5 plf at	22.83 to	5 plf at	24.33

BC: 2179 lb Conc. Load at 6.56
BC: 4355 lb Conc. Load at 8.50
BC: 4349 lb Conc. Load at 11.88
BC: 2174 lb Conc. Load at 13.77
BC: 4693 lb Conc. Load at 15.77

Wind

Wind loads and reactions based on MWFRS.

Blocking

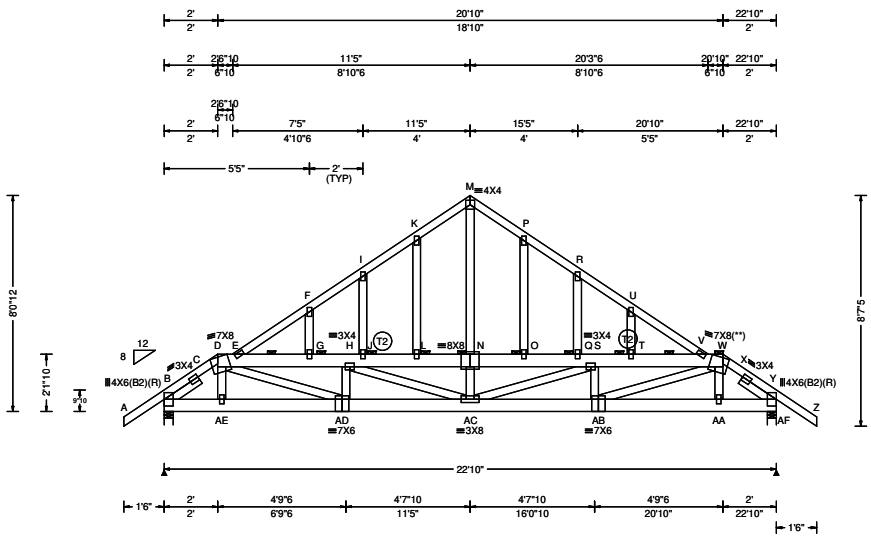
Full Height Blocking reinforcement required to prevent buckling of members over the bearings:
bearing 1 located at 0.00' bearing 2 located at 22.50'

Additional Notes

The overall height of this truss excluding overhang is 8-4-15.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655992 GABL FROM: CDM Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** C03	Cust: R NA JRef:18-2754 T23 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.082	T	999	240
VERT(CL): 0.161	T	999	180
HORZ(LL): 0.028	F	-	-
HORZ(TL): 0.055	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.442
Max BC CSI: 0.232
Max Web CSI: 0.481

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1964	/-	/-	/-	/481	/-
AF	1965	/-	/-	/-	/480	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
AF Brg Width = 4.0 Min Req = 1.6
Bearings B & AF are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	81	- 23	M - P	312	- 1378
B - C	562	- 2353	N - O	285	- 1217
C - D	538	- 2271	O - Q	284	- 1213
D - E	677	- 2950	P - R	323	- 1417
E - F	342	- 1489	Q - S	281	- 1206
E - G	434	- 1862	R - U	318	- 1395
F - I	319	- 1394	S - T	436	- 1872
G - H	437	- 1869	T - V	433	- 1865
H - J	281	- 1206	U - V	342	- 1490
I - K	323	- 1417	V - W	676	- 2954
J - L	284	- 1213	W - X	537	- 2273
K - M	312	- 1378	X - Y	561	- 2355
L - N	285	- 1217	Y - Z	81	- 23

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AE	1827	- 433	AC-AB	3052	- 708
AE-AD	1797	- 421	AB-AA	1799	- 420
AD-AC	3049	- 710	AA- Y	1829	- 432

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D -AE	79	- 107	N -AC	821	- 133
D -AD	1261	- 281	S -AB	147	- 399
AD- H	147	- 398	AB- W	1263	- 280
H -AC	193	- 780	AA- W	79	- 107
AC- S	191	- 784			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
F - G	68	- 160	O - P	60	- 191
I - J	93	- 302	Q - R	93	- 303
K - L	60	- 190	T - U	68	- 161

Lumber

Top chord 2x4 SP #2 :T2 2x6 SP 2400f-2.0E:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 2.00
TC: From 32 plf at 2.00 to 32 plf at 20.28
TC: From 64 plf at 20.28 to 64 plf at 24.33
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 22.83
BC: From 5 plf at 22.83 to 5 plf at 24.33
TC: 40 lb Conc. Load at 2.03,20.80
TC: 26 lb Conc. Load at 4.06, 6.06, 8.06,10.06 11.42,12.77,14.77,16.77,18.77
BC: 88 lb Conc. Load at 2.03,20.80
BC: 37 lb Conc. Load at 4.06, 6.06, 8.06,10.06 11.42,12.77,14.77,16.77,18.77

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is 8-0-12.

****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

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

M - N 1095 - 212

****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.

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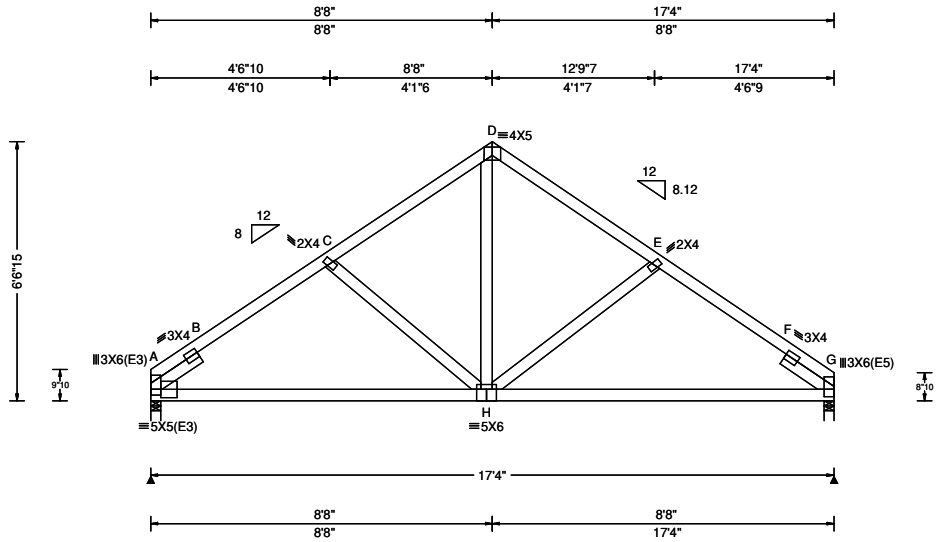
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655951 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** D01		Cust: R NA JRef:18-2754 T11 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.024	F	999	240
VERT(CL): 0.050	F	999	180
HORZ(LL): 0.011	B	-	-
HORZ(TL): 0.024	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.307
Max BC CSI: 0.789
Max Web CSI: 0.301

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	729	/-	/-	/425	/114	/161
G	729	/-	/-	/427	/113	/-

Wind reactions based on MWFRS
A Brg Width = 3.0 Min Req = 1.5
G Brg Width = 3.0 Min Req = 1.5
Bearings A & G are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	251	- 1098	D - E	215	- 728
B - C	224	- 917	E - F	226	- 923
C - D	219	- 736	F - G	417	- 1207

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	721	- 120	H - G	731	- 124

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	131	- 228	H - E	135	- 247
H - D	502	- 138			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

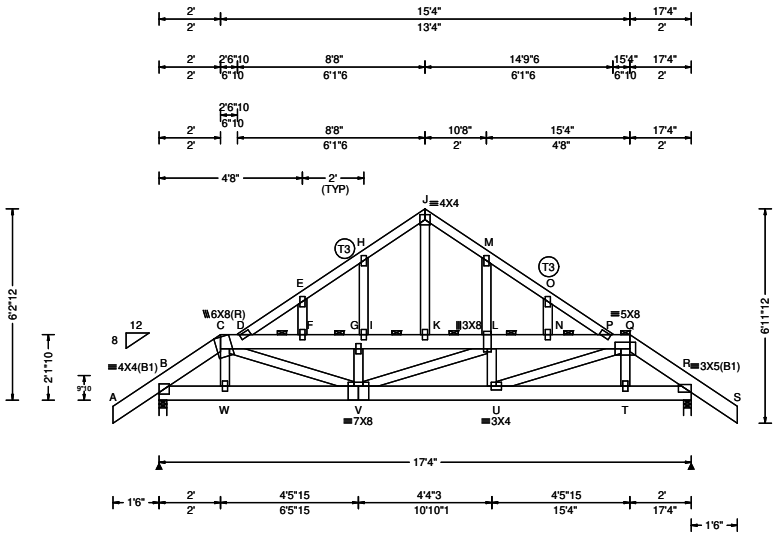
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 6-6-15.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656000 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** D02	Cust: R NA JRef:18-2754 T3 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.050	N	999	240
VERT(CL): 0.098	N	999	180
HORZ(LL): 0.019	E	-	-
HORZ(TL): 0.038	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.193
Max BC CSI: 0.194
Max Web CSI: 0.381

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1532	/-	/-	/-	/377	/-
R	1443	/-	/-	/-	/317	/-

Wind reactions based on MWFRS
B Brg Width = 3.0 Min Req = 1.5
R Brg Width = 3.0 Min Req = 1.5
Bearings B & R are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	90	- 26	J - M	166	- 728
B - C	435	- 1817	K - L	376	- 1686
C - D	506	- 2267	L - N	332	- 1666
D - E	187	- 803	M - O	163	- 734
D - F	370	- 1671	N - P	330	- 1659
E - H	168	- 739	O - P	180	- 796
F - G	373	- 1679	P - Q	462	- 2250
G - I	373	- 1679	Q - R	355	- 1701
H - J	168	- 729	R - S	90	- 26
I - K	376	- 1686			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - W	1396	- 331	U - T	1297	- 264
W - V	1393	- 326	T - R	1307	- 268
V - U	2250	- 470			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	74	- 29	L - U	71	- 109
C - V	910	- 185	U - Q	1000	- 207
V - L	18	- 112	T - Q	68	- 110
G - V	101	- 165			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
E - F	55	- 134	L - M	63	- 222
H - I	85	- 243	N - O	32	- 114
J - K	414	- 66			

Lumber

Top chord 2x6 SP 2400f-2.0E :T3 2x4 SP #2:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3

Special Loads

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

TC: From	64 plf at	-1.50 to	64 plf at	2.00
TC: From	32 plf at	2.00 to	32 plf at	11.27
TC: From	64 plf at	11.27 to	64 plf at	18.83
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	11.27
BC: From	20 plf at	11.27 to	20 plf at	17.33
BC: From	5 plf at	17.33 to	5 plf at	18.83

TC: 40 lb Conc. Load at 2.03
TC: 26 lb Conc. Load at 4.06, 6.06, 8.06, 9.27
BC: 88 lb Conc. Load at 2.03
BC: 37 lb Conc. Load at 4.06, 6.06, 8.06, 9.27
BC: 177 lb Conc. Load at 11.27

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is 6-2-12.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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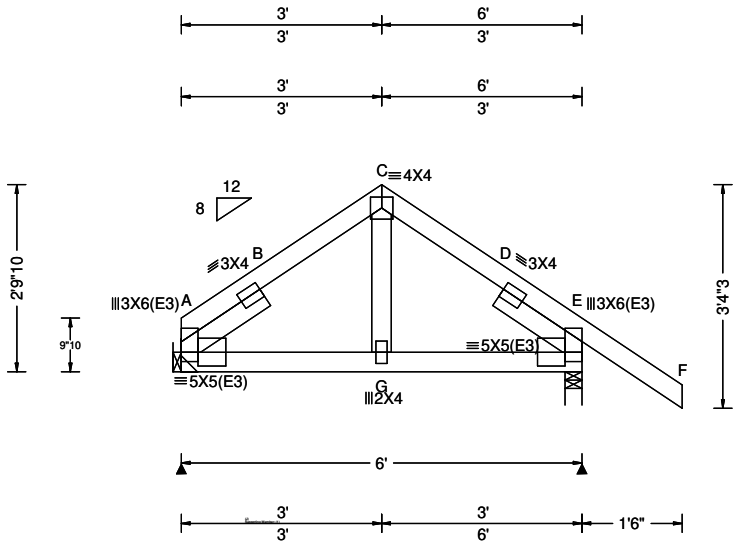
ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655994 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** G01		Cust: R NA JRef:18-2754 T17 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.006	B	999	240
VERT(CL): 0.011	B	999	180
HORZ(LL): 0.004	B	-	-
HORZ(TL): 0.009	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.202
Max BC CSI: 0.095
Max Web CSI: 0.054

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	239	/-	/-	/144	/35	/89
E	368	/-	/-	/244	/67	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
E Brg Width = 3.0 Min Req = 1.5
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	96	-260	D - E	155	-265
B - C	93	-208	E - F	50	0
C - D	98	-220			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	157	-49	G - E	158	-49

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - G	125	-3

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Hangers / Ties

(J) Hanger Support Required, by others

Wind

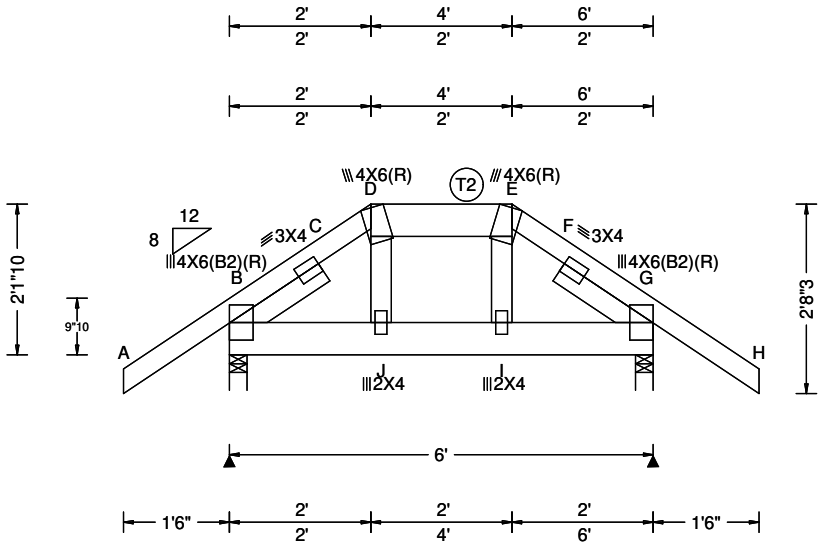
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 2-9-10.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656013 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** G02		Cust: R NA JRef:18-2754 T12 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.001	J	999	240
VERT(CL): 0.003	J	999	180
HORZ(LL): 0.001	F	-	-
HORZ(TL): 0.002	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.211
Max BC CSI: 0.028
Max Web CSI: 0.031

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	421	/-	/-	/-	/145	/-
G	421	/-	/-	/-	/145	/-

Wind reactions based on MWFRS
B Brg Width = 3.0 Min Req = 1.5
G Brg Width = 3.0 Min Req = 1.5
Bearings B & G are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	52	- 19	E - F	94	- 264
B - C	112	- 310	F - G	112	- 310
C - D	94	- 264	G - H	52	- 19
D - E	68	- 202			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	202	- 72	I - G	202	- 72
J - I	202	- 68			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - J	81	0	I - E	81	0

Lumber

Top chord 2x4 SP #2 :T2 2x6 SP 2400f-2.0E:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Special Loads

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

TC: From	64 plf at	-1.50 to	64 plf at	2.00
TC: From	32 plf at	2.00 to	32 plf at	4.00
TC: From	64 plf at	4.00 to	64 plf at	7.50
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	6.00
BC: From	5 plf at	6.00 to	5 plf at	7.50

TC: 40 lb Conc. Load at 2.03, 3.97
BC: 88 lb Conc. Load at 2.03, 3.97

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 2-1-10.

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

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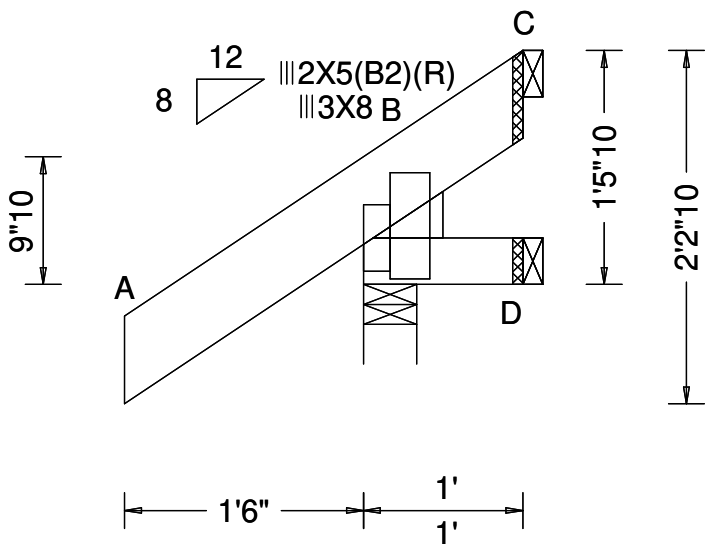
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656020 JACK FROM: CDM	Ply: 1 Qty: 20	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** J01		Cust: R NA JRef:18-2754 T30 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.000 C - -
HORZ(TL): 0.000 C - -
Creep Factor: 2.0
Max TC CSI: 0.033
Max BC CSI: 0.007
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	230	/-	/-	/190	/51	/49
D	9	/-2	/-	/10	/5	/-
C	-	/-40	/-	/23	/41	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	57	0	B - C	22	-47

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - D	0	0

Lumber

Top chord 2x6 SP 2400f-2.0E
Bot chord 2x4 SP #2
:Lt Wedge 2x4 SP #3:

Wind

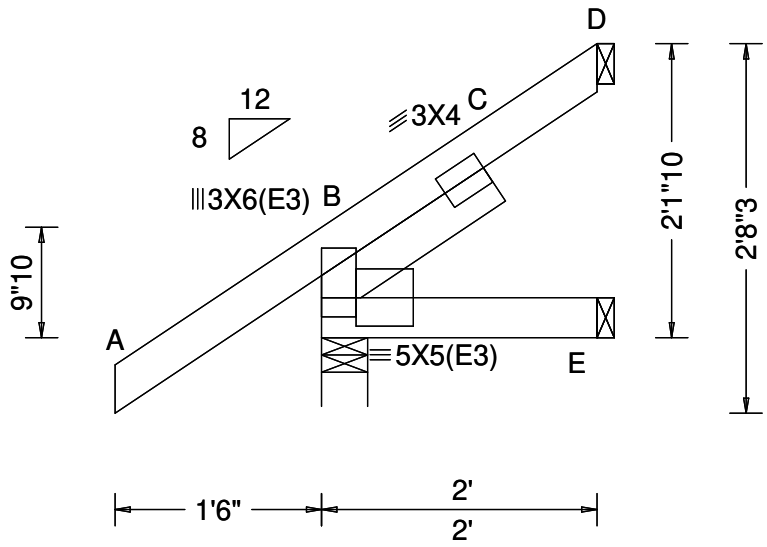
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 1-5-10.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655985 EJAC FROM: CDM	Ply: 1 Qty: 18	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** J02		Cust: R NA JRef:18-2754 T25 DrwNo: ... / ... 09/30/2019	



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TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): NA
VERT(CL): NA
HORZ(LL): -0.001 C - -
HORZ(TL): 0.001 C - -
Creep Factor: 2.0
Max TC CSI: 0.184
Max BC CSI: 0.035
Max Web CSI: 0.028

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	226	/-	/-	/174	/28	/66
E	37	/-	/-	/25	/-	/-
D	26	/-	/-	/19	/24	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	51	0	C - D	15	-30
B - C	156	-200			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - E	2	-2

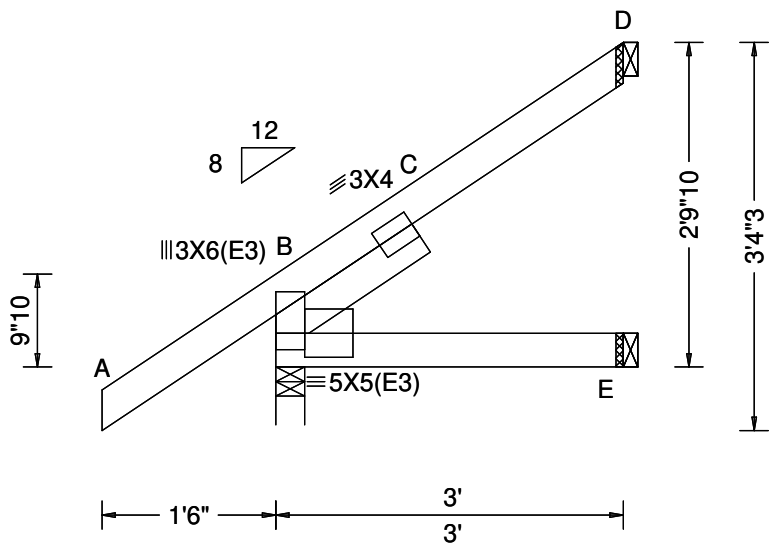
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

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

Additional Notes
The overall height of this truss excluding overhang is 2-1-10.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656026 JACK FROM: CDM	Ply: 1 Qty: 10	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** J03		Cust: R NA JRef:18-2754 T41 DrwNo: ... / ... 09/30/2019	



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TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.004 C - -
HORZ(TL): 0.006 C - -
Creep Factor: 2.0
Max TC CSI: 0.186
Max BC CSI: 0.086
Max Web CSI: 0.037

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	255	/-	/-	/191	/24	/85
E	56	/-	/-	/39	/-	/-
D	69	/-	/-	/37	/40	/-

Wind reactions based on MWFRS
B Brg Width = 3.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	50	0	C - D	40	-56
B - C	143	-203			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - E	3	-3

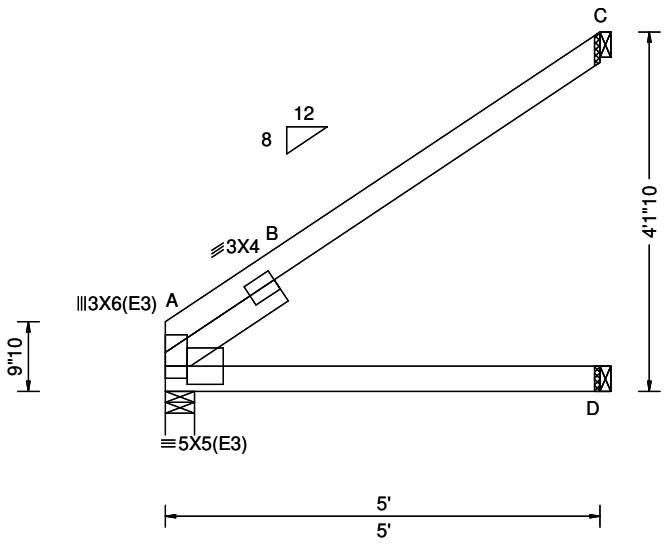
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

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

Additional Notes
The overall height of this truss excluding overhang is 2-9-10.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655910 JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** J04		Cust: R NA JRef:18-2754 T40 DrwNo: ... / ... 09/30/2019	



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TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): NA
VERT(CL): NA
HORZ(LL): 0.035 B - -
HORZ(TL): 0.073 B - -
Creep Factor: 2.0
Max TC CSI: 0.442
Max BC CSI: 0.279
Max Web CSI: 0.169

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	210	/-	/-	/136	/-	/94
D	97	/-	/-	/70	/1	/-
C	149	/-	/-	/90	/71	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	299	- 443	B - C	85	- 99

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - D	3	- 3

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.591'

Wind

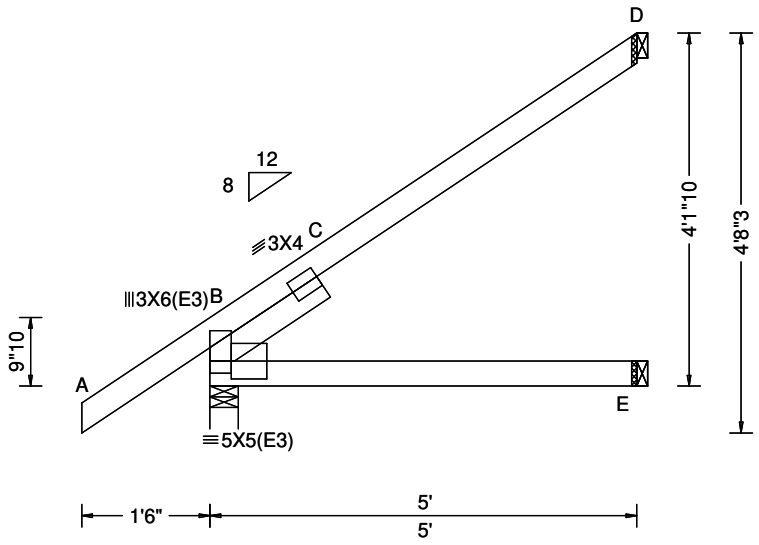
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 4-1-10.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655907 JACK FROM: CDM	Ply: 1 Qty: 9	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** J05		Cust: R NA JRef:18-2754 T33 DrwNo: ... / ... 09/30/2019	



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TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): NA
VERT(CL): NA
HORZ(LL): 0.027 C - -
HORZ(TL): 0.054 C - -
Creep Factor: 2.0
Max TC CSI: 0.377
Max BC CSI: 0.269
Max Web CSI: 0.130

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	329	/-	/-	/238	/22	/123
E	95	/-	/-	/67	/0	/-
D	137	/-	/-	/80	/68	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	50	0	C - D	79	-98
B - C	161	-329			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - E	3	-3

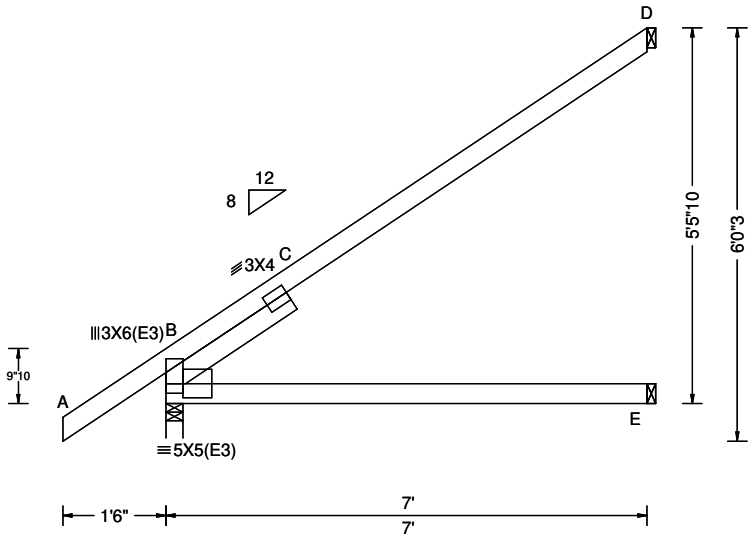
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.591'

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

Additional Notes
The overall height of this truss excluding overhang is 4-1-10.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656023 EJAC FROM: CDM	Ply: 1 Qty: 31	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** J07		Cust: R NA JRef:18-2754 T31 DrwNo: ... / ... 09/30/2019	



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TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.109	C	-	-
HORZ(TL): 0.221	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.839
Max BC CSI: 0.564
Max Web CSI: 0.326

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	408	/-	/-	/290	/22	/161
E	134	/-	/-	/96	/1	/-
D	199	/-	/-	/118	/94	/-

Wind reactions based on MWFRS
B Brg Width = 3.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	50	0	C - D	113	-129
B - C	548	-759			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - E	3	-3

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.192'

Wind

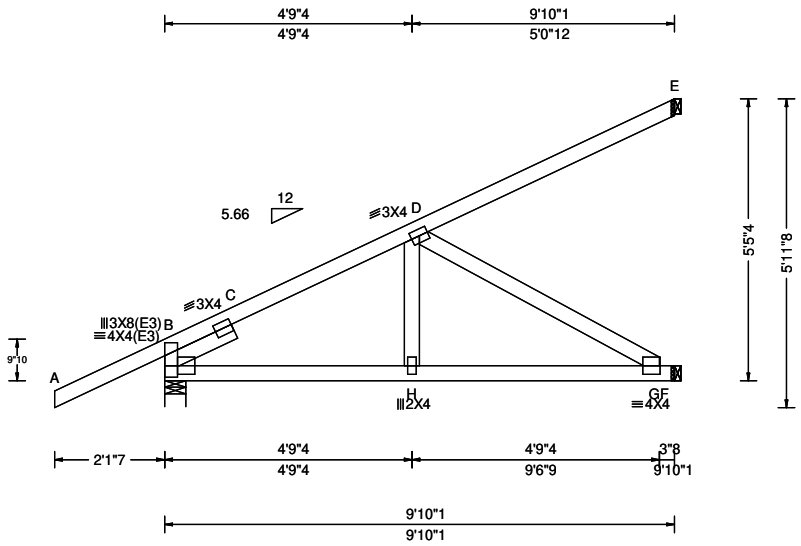
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 5-5-10.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655955 HIP_ FROM: CDM	Ply: 1 Qty: 5	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** JH1		Cust: R NA JRef:18-2754 T9 DrwNo: ... / ... 09/30/2019	



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TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.019 H	999	240
VERT(CL):	0.039 H	999	180
HORZ(LL):	-0.011 C	-	-
HORZ(TL):	0.023 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.306
Max BC CSI: 0.739
Max Web CSI: 0.358

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	368	/-	/-	/-	/171	/-
F	351	/-	/-	/-	/86	/-
E	105	/-	/-	/-	/38	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
F Brg Width = 1.5 Min Req = -
E Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	26	- 10	C - D	208	- 578
B - C	210	- 582	D - E	45	- 77

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	516	- 162	G - F	0	0
H - G	507	- 162			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - D	264	0	D - G	189	- 590

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Special Loads

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

TC: From	0 plf at	-2.12 to	62 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	9.84
BC: From	0 plf at	-2.12 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	9.84

TC: -27 lb Conc. Load at 1.41
TC: 138 lb Conc. Load at 4.24
TC: 275 lb Conc. Load at 7.07
BC: 19 lb Conc. Load at 1.41
BC: 113 lb Conc. Load at 4.24
BC: 191 lb Conc. Load at 7.07

Wind

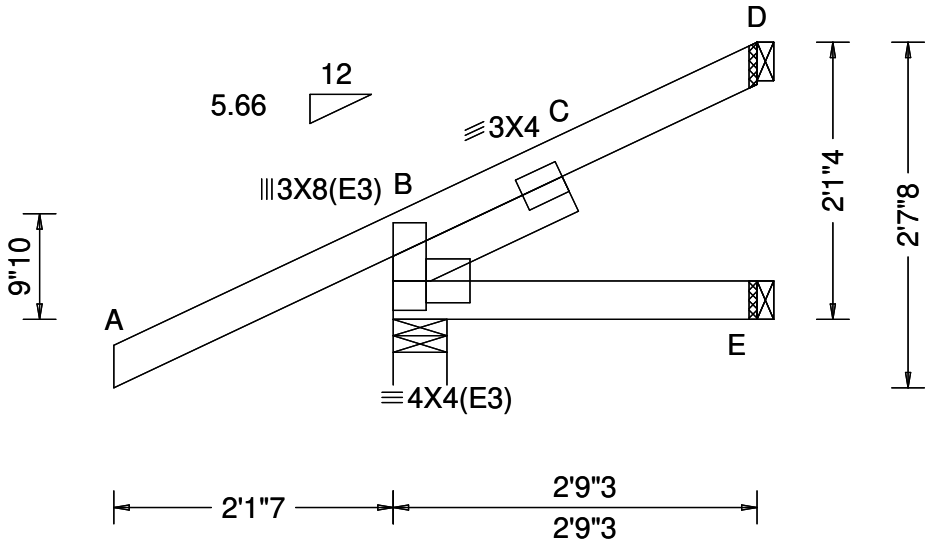
Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 5-5-4.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655987 HIP_ FROM: CDM	Ply: 1 Qty: 5	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** JH2		Cust: R NA JRef:18-2754 T10 DrwNo: ... / ... 09/30/2019	



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TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.004 C - -
HORZ(TL): 0.005 C - -
Creep Factor: 2.0
Max TC CSI: 0.145
Max BC CSI: 0.069
Max Web CSI: 0.041

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	164	/-	/-	/-	/73	/-
E	51	/-	/-	/-	/5	/-
D	14	/-25	/-	/-	/30	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	26	-10	C - D	23	-14
B - C	29	-46			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - E	2	-2

Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

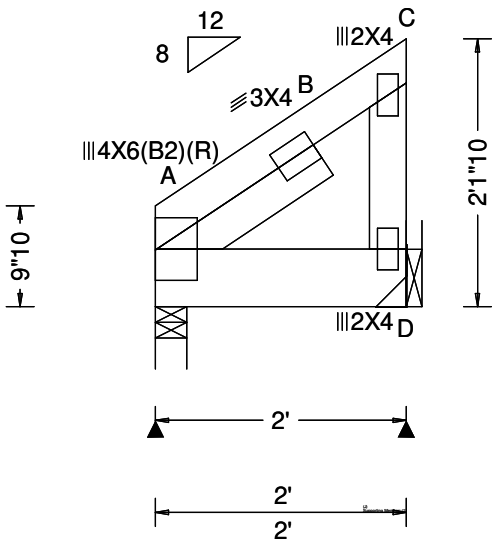
Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 2.77
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 2.77
TC: -27 lb Conc. Load at 1.41
BC: 19 lb Conc. Load at 1.41

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
The overall height of this truss excluding overhang is 2-1-4.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 655996 MONO FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** M01		Cust: R NA JRef:18-2754 T16 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.002 B - -
HORZ(TL): 0.003 B - -
Creep Factor: 2.0
Max TC CSI: 0.076
Max BC CSI: 0.047
Max Web CSI: 0.011

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	231	/-	/-	/-	/37	/-
D	177	/-	/-	/-	/29	/-

Wind reactions based on MWFRS
A Brg Width = 3.0 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	61	-58	B - C	33	-13

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - D	20	-11

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - D	22	-60

Lumber

Top chord 2x4 SP #2
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at 0.00 to 64 plf at 2.00
BC: From 20 plf at 0.00 to 20 plf at 2.00
BC: 239 lb Conc. Load at 0.90

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 2-1-10.

Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

Bearing at location x=1'9" ,y=9' uses the following support conditions: 1'9"
Bearing D (1'9", 9') HUS26
Supporting Member: (1)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

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

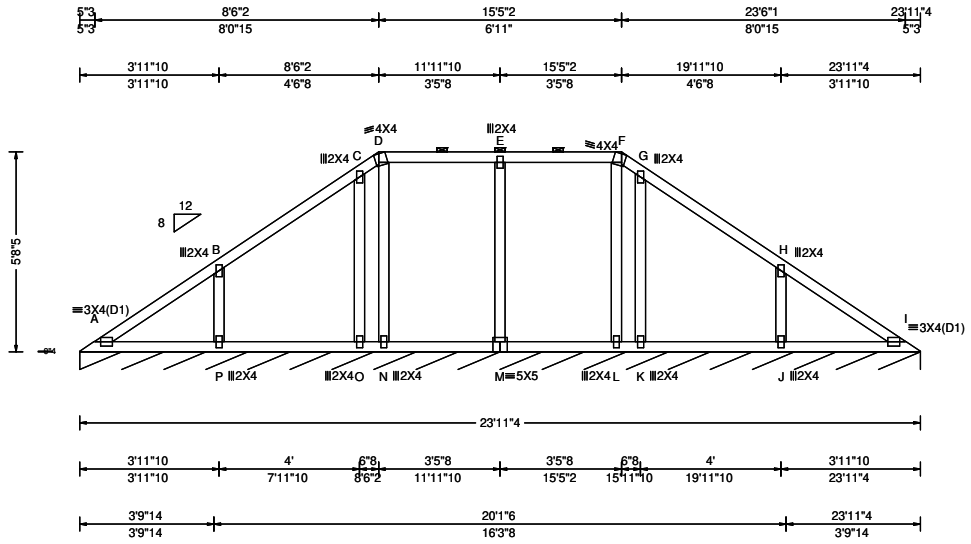
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656015 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V01	Cust: R NA JRef:18-2754 T21 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.005	J	999	240
VERT(CL): 0.010	J	999	180
HORZ(LL): -0.002	J	-	-
HORZ(TL): 0.004	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.258
Max BC CSI: 0.151
Max Web CSI: 0.158

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I*	83	/-	/-	/43	/13	/6

Wind reactions based on MWFRS
I Brg Width = 287 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	121	- 77	E - F	111	0
B - C	125	- 26	F - G	149	- 1
C - D	149	- 1	G - H	125	- 26
D - E	111	0	H - I	121	- 77

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - P	80	- 83	M - L	86	- 91
P - O	85	- 88	L - K	87	- 90
O - N	87	- 90	K - J	85	- 88
N - M	86	- 91	J - I	80	- 83

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	140	- 264	L - F	7	- 88
C - O	149	- 230	K - G	149	- 230
D - N	7	- 88	J - H	140	- 264
E - M	113	- 274			

Lumber

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5-8-5.

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

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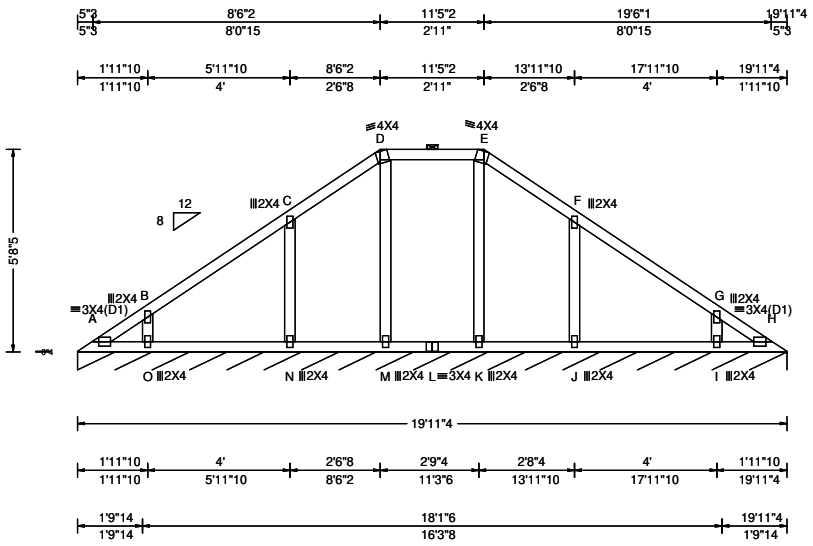
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656017 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V02		Cust: R NA JRef: 18-2754 T22 DrwNo: ... / ... 09/30/2019	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.001	C	999	240
VERT(CL): 0.002	C	999	180
HORZ(LL): -0.001	C	-	-
HORZ(TL): 0.002	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.150
Max BC CSI: 0.099
Max Web CSI: 0.080

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	83	/-	/-	/44	/13	/7

Wind reactions based on MWFRS
H Brg Width = 239 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	76	- 98	E - F	128	- 81
B - C	72	- 95	F - G	72	- 95
C - D	128	- 81	G - H	75	- 98
D - E	116	- 11			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - O	87	- 54	L - K	87	- 63
O - N	87	- 60	K - J	88	- 62
N - M	88	- 62	J - I	87	- 60
M - L	87	- 63	I - H	87	- 54

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - O	127	- 215	K - E	10	- 138
C - N	137	- 239	J - F	137	- 239
D - M	10	- 138	I - G	127	- 215

Lumber

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5-8-5.

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

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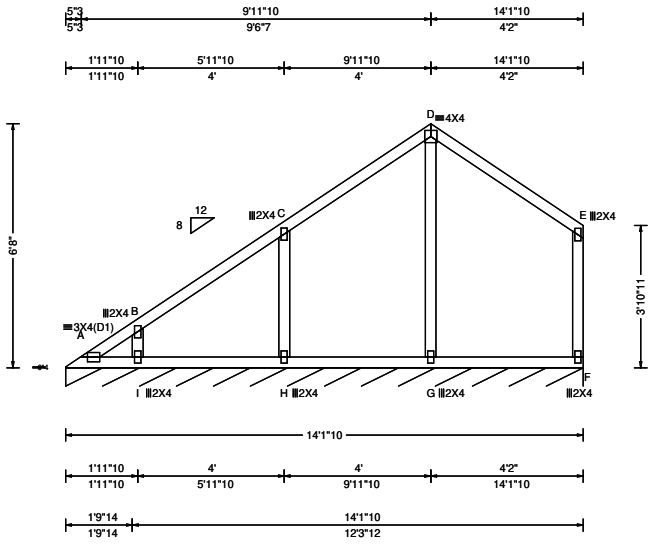
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656005 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V03	Cust: R NA JRef:18-2754 T28 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.001	D	999	240
VERT(CL): 0.002	D	999	180
HORZ(LL): -0.003	E	-	-
HORZ(TL): 0.004	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.307
Max BC CSI: 0.056
Max Web CSI: 0.173

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F*	83	/-	/-	/50	/0	/10

Wind reactions based on MWFRS
F Brg Width = 169 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	128	- 168	C - D	104	- 96
B - C	131	- 153	D - E	93	- 84

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - I	147	- 100	H - G	148	- 108
I - H	147	- 105	G - F	148	- 108

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - I	120	- 192	D - G	12	- 223
C - H	172	- 297	E - F	92	- 142

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP M-31
Webs 2x4 SP #3

Wind

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

Right end vertical not exposed to wind pressure.

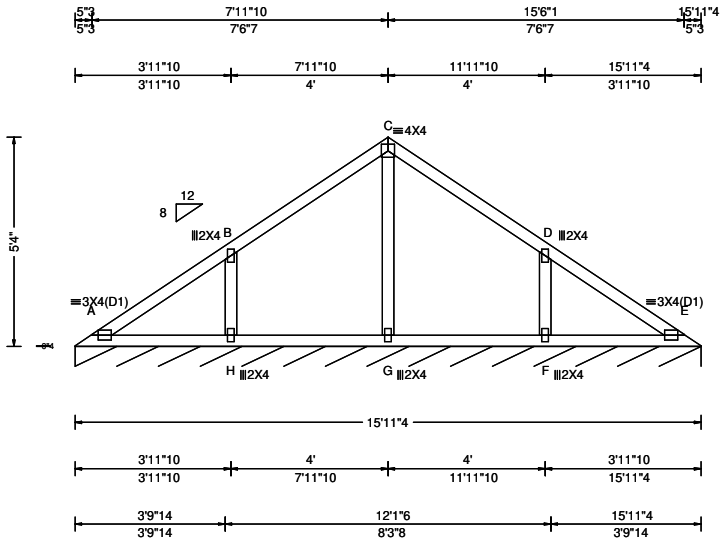
Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 6-8-0.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656006 VAL FROM: CDM	Ply: 1 Qty: 2	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V04	Cust: R NA JRef:18-2754 T13 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 16.07 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.004	F	999	240
VERT(CL): 0.008	F	999	180
HORZ(LL): -0.002	F	-	-
HORZ(TL): 0.004	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.258
Max BC CSI: 0.057
Max Web CSI: 0.119

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/44	/14	/9

Wind reactions based on MWFRS
E Brg Width = 191 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	94	- 60	C - D	115	- 58
B - C	115	- 58	D - E	132	- 99

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	71	- 55	G - F	76	- 61
H - G	76	- 61	F - E	71	- 61

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	162	- 290	F - D	162	- 290
C - G	1	- 240			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP M-31
Webs 2x4 SP #3

Wind

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

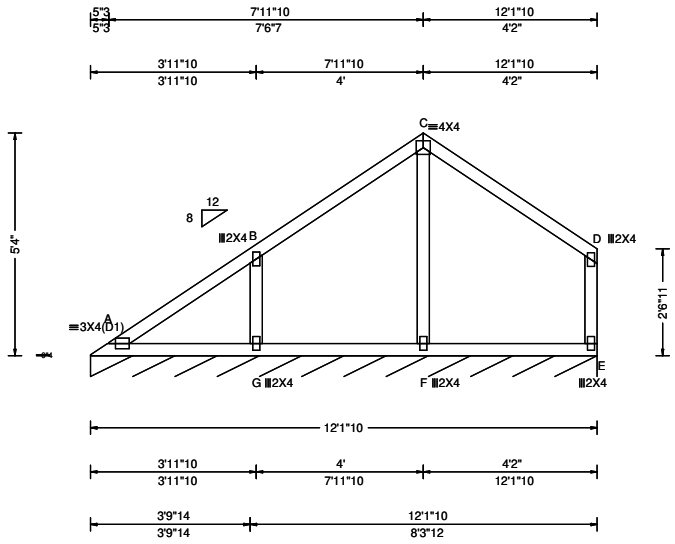
Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5-4-0.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656007 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V05	Cust: R NA JRef: 18-2754 T27 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 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: 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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.004	G	999	240
VERT(CL): 0.008	G	999	180
HORZ(LL): -0.002	D	-	-
HORZ(TL): 0.003	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.307
Max BC CSI: 0.065
Max Web CSI: 0.108

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/49	/0	/10

Wind reactions based on MWFRS
E Brg Width = 145 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	127	- 138	C - D	96	- 89
B - C	107	- 100			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	124	- 93	F - E	124	- 97
G - F	124	- 97			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	169	- 291	D - E	96	- 145
C - F	14	- 218			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP M-31
Webs 2x4 SP #3

Wind

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

Right end vertical not exposed to wind pressure.

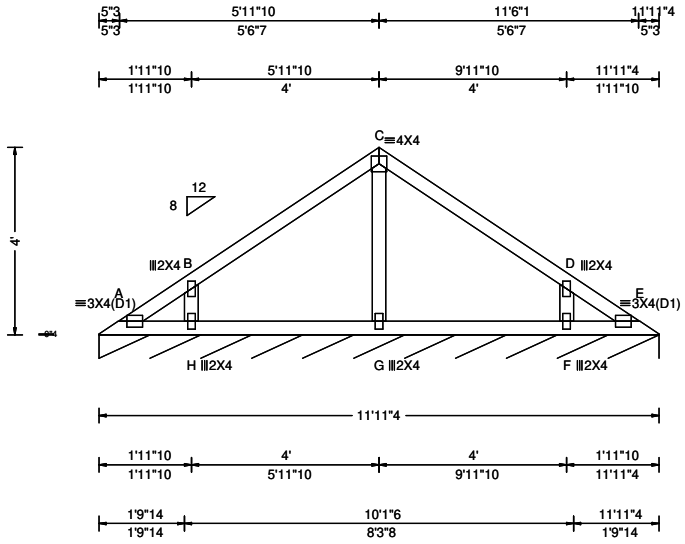
Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5-4-0.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656008 VAL FROM: CDM	Ply: 1 Qty: 2	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V06	Cust: R NA JRef:18-2754 T14 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 16.73 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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):	0.001 C	999	240
VERT(CL):	0.001 C	999	180
HORZ(LL):	-0.001 B	-	-
HORZ(TL):	0.001 H	-	-

Creep Factor: 2.0
Max TC CSI: 0.209
Max BC CSI: 0.119
Max Web CSI: 0.052

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▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/43	/12	/9

Wind reactions based on MWFRS
E Brg Width = 143 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	38	- 55	C - D	92	- 121
B - C	92	- 121	D - E	76	- 93

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	52	- 17	G - F	51	- 26
H - G	51	- 26	F - E	63	- 31

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	176	- 267	F - D	176	- 267
C - G	6	- 174			

Lumber

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

Wind

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

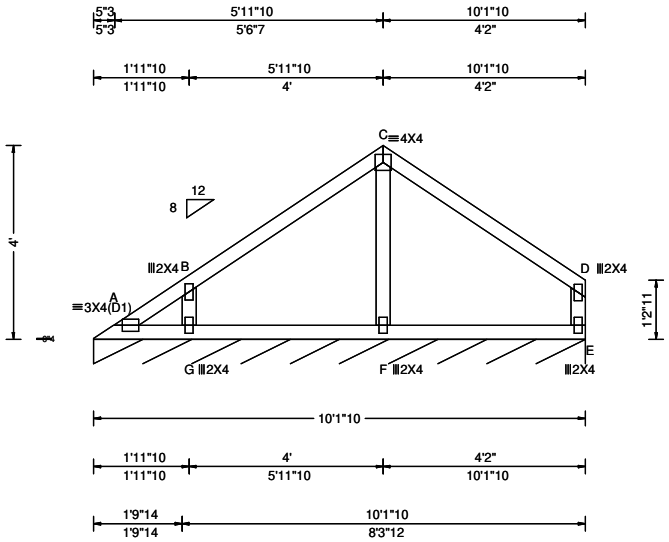
Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-0-0.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656009 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V07	Cust: R NA JRef: 18-2754 T24 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.57 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.001	C	999	240
VERT(CL): 0.001	C	999	180
HORZ(LL): 0.002	D	-	-
HORZ(TL): 0.003	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.307
Max BC CSI: 0.151
Max Web CSI: 0.086

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/47	/1	/9

Wind reactions based on MWFRS
E Brg Width = 121 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	107	- 122	C - D	102	- 109
B - C	111	- 118			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	107	- 77	F - E	108	- 85
G - F	108	- 85			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	178	- 267	D - E	107	- 156
C - F	20	- 199			

Lumber

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

Wind

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

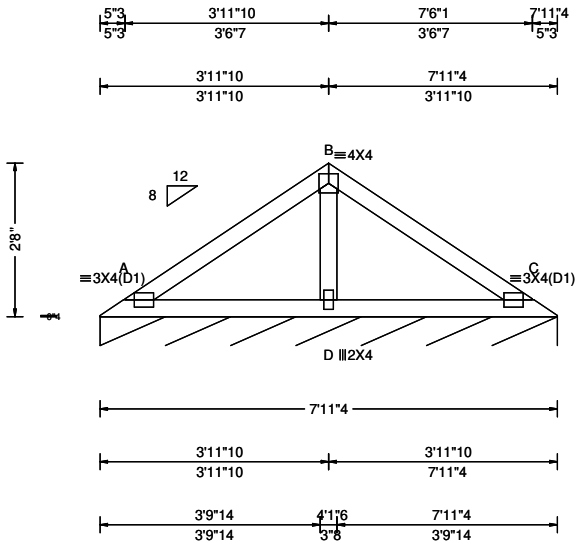
Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-0-0.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656010 VAL FROM: CDM	Ply: 1 Qty: 3	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V08	Cust: R NA JRef:18-2754 T18 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 17.40 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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): 0.006	D	999	240
VERT(CL): 0.012	D	999	180
HORZ(LL): -0.003	D	-	-
HORZ(TL): 0.006	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.217
Max BC CSI: 0.172
Max Web CSI: 0.077

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	82	/-	/-	/42	/11	/8

Wind reactions based on MWFRS
C Brg Width = 95.2 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	218	- 79	B - C	218	- 79

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	113	- 136	D - C	113	- 136

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	166	- 377

Lumber

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

Wind

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

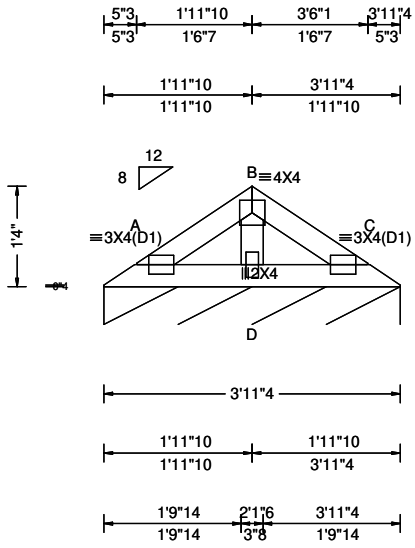
Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-8-0.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 656011 VAL FROM: CDM	Ply: 1 Qty: 3	**Job Number:** /LOT 27 BRITTANY (JL) /MILTON SMITH **Truss Label:** V09	Cust: R NA JRef:18-2754 T20 DrwNo: ... / ... 09/30/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 16.90 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
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: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
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):	0.001 D	999	240
VERT(CL):	0.001 D	999	180
HORZ(LL):	-0.000 D	-	-
HORZ(TL):	0.001 D	-	-

Creep Factor: 2.0
Max TC CSI: 0.041
Max BC CSI: 0.029
Max Web CSI: 0.023

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	80	/-	/-	/39	/9	/7

Wind reactions based on MWFRS
C Brg Width = 47.2 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	61	- 10	B - C	61	- 11

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	31	- 31	D - C	31	- 31

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	48	- 126

Lumber

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

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-4-0.

ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043