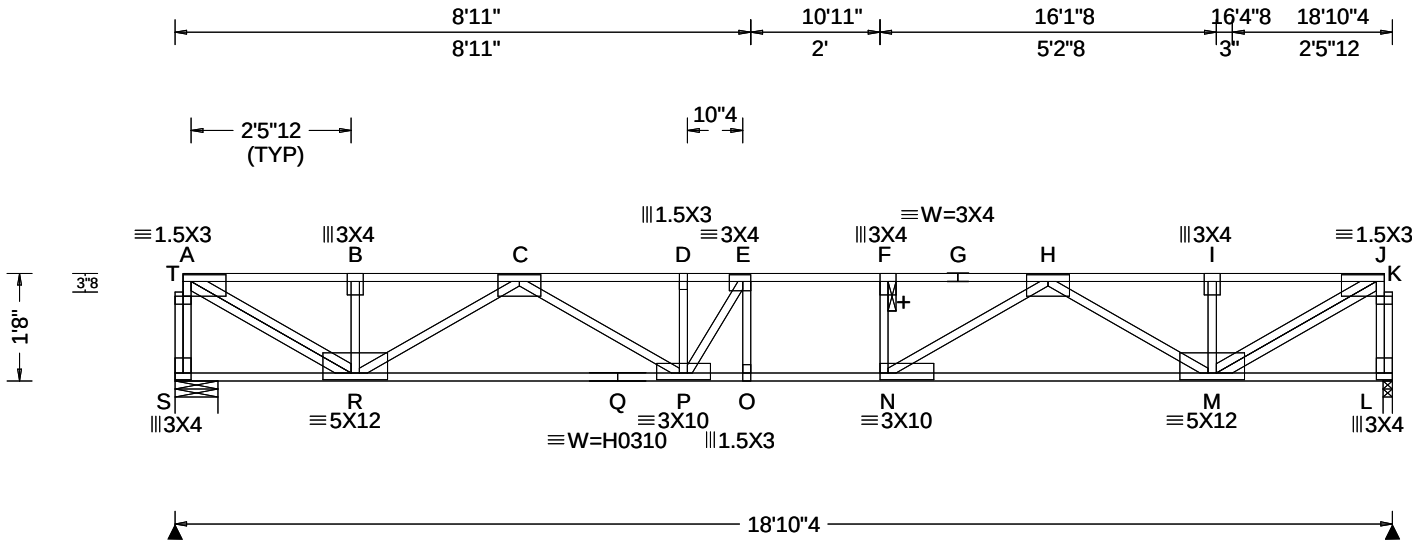
SEQN: 2041 SY42 FROM:	Ply: 1 Qty: 23	**Job Number:** J29203M - **Truss Label:** F01	Cust: R 9490 JRef:1WP794900001 T42 DrwNo: 282.19.0917.33187 / BAF 10/09/2019



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TCLL: 40.00
TCDL: 50.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 95.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.184	E	999	360
VERT(TL): 0.596	E	372	240
HORZ(LL): 0.027	B	-	-
HORZ(TL): 0.092	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.632
Max BC CSI: 0.780
Max Web CSI: 0.351

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	1417	/-	/-	/-	/-	/-
L	1411	/-	/-	/-	/-	/-

S Brg Width = 8.0 Min Req = 1.5
L Brg Width = 1.8 Min Req = 1.5
Bearings S & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-2111	F - G	0	-4157
B - C	0	-2111	G - H	0	-4157
C - D	0	-4130	H - I	0	-2143
D - E	0	-4130	I - J	0	-2143
E - F	0	-4173			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	3422	0	O - N	4173	0
Q - P	3422	0	N - M	3438	0
P - O	4175	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - S	0	-1410	F - N	0	-397
A - T	0	-1400	N - H	974	0
A - R	2453	0	H - M	0	-1515
B - R	0	-418	I - M	0	-425
R - C	0	-1534	M - J	2490	0
C - P	828	0	J - K	0	-1418
P - E	220	-446	K - L	0	-1426

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 4X8 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.18" DL: 0.46". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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****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.**

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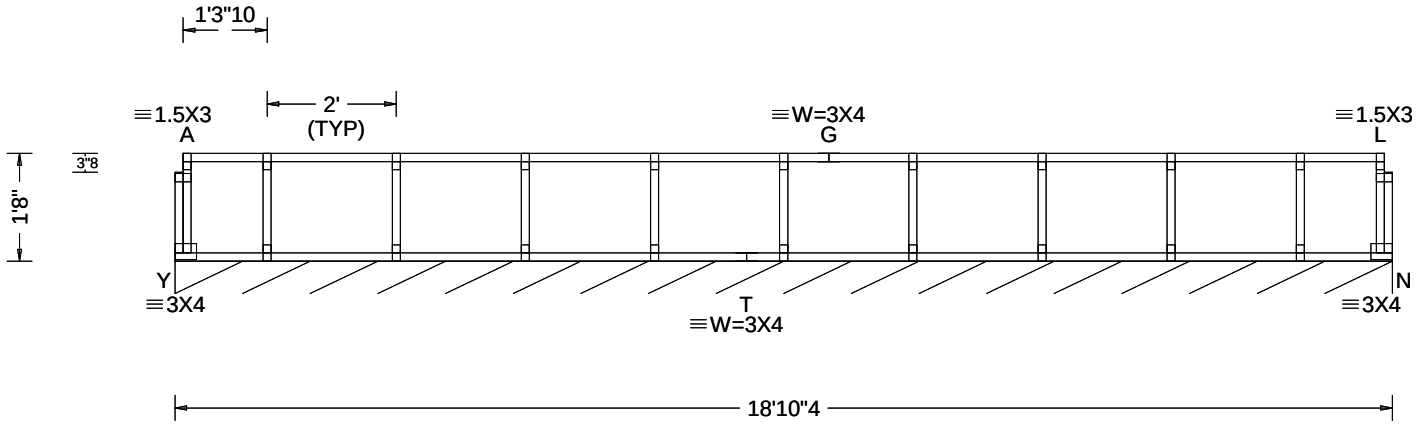
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1502 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F01A	Cust: R 9490 JRef:1WP794900001 T9 DrwNo: 282.19.0917.35017 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	C	999	360
VERT(TL): 0.001	C	999	240
HORZ(LL): -0.000	L	-	-
HORZ(TL): -0.000	L	-	-

Creep Factor: 1.5
Max TC CSI: 0.154
Max BC CSI: 0.013
Max Web CSI: 0.033

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N*	111	/-	/-	/-	/-	/-
N	Brg Width = 226			Min Req = -		

Bearing Y is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Bracing
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.
Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X3 except as noted.

Additional Notes
Refer to General Notes for additional information
Truss must be installed as shown with top chord up.

10/09/2019

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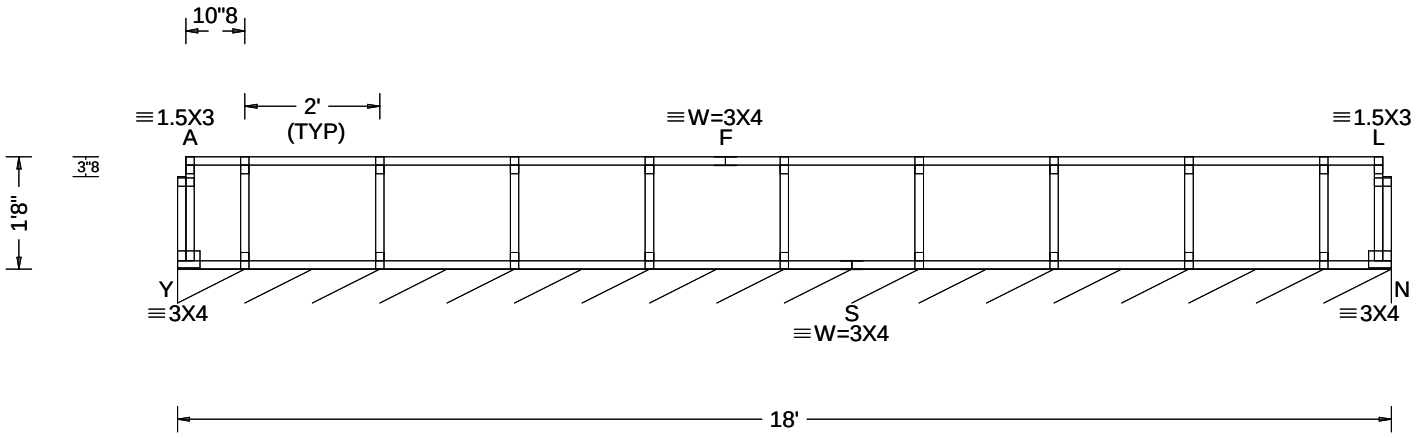
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1509 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F01B	Cust: R 9490 JRef:1WP794900001 T18 DrwNo: 282.19.0917.36270 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	C	999	360
VERT(TL): 0.001	C	999	240
HORZ(LL): 0.000	L	-	-
HORZ(TL): 0.000	L	-	-

Creep Factor: 1.5
Max TC CSI: 0.163
Max BC CSI: 0.012
Max Web CSI: 0.033

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N*	110	/-	/-	/-	/-	/-
N	Brg Width = 216			Min Req = -		

Bearing Y is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Bracing
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.
Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X3 except as noted.

Additional Notes
Refer to General Notes for additional information
Truss must be installed as shown with top chord up.

10/09/2019

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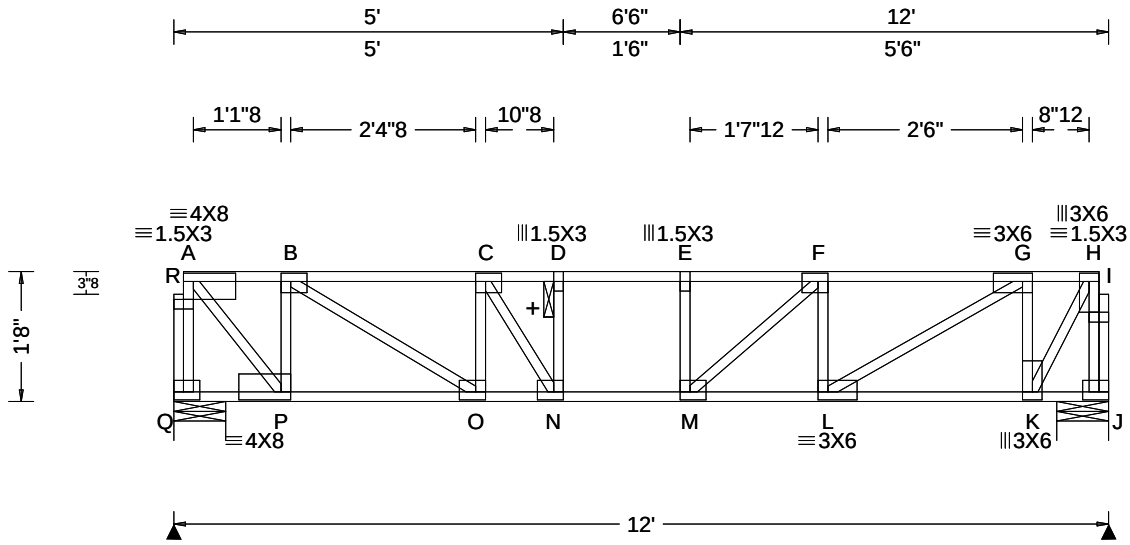
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2031 SY42 FROM:	Ply: 1 Qty: 5	**Job Number:** J29203M - **Truss Label:** F02	Cust: R 9490 JRef:1WP794900001 T43 DrwNo: 282.19.0917.38150 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.060	E	999	360
VERT(TL): 0.137	E	999	240
HORZ(LL): 0.007	K	-	-
HORZ(TL): 0.020	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.342
Max BC CSI: 0.466
Max Web CSI: 0.218

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	659	/-	/-	/-	/-	/-
J	659	/-	/-	/-	/-	/-

Q Brg Width = 8.0 Min Req = 1.5
J Brg Width = 8.0 Min Req = 1.5
Bearings Q & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-472	D - E	0	-1207
B - C	0	-1073	E - F	0	-1202
C - D	0	-1202	F - G	0	-1038

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	520	0	M - L	1069	0
O - N	1103	0	L - K	385	0
N - M	1207	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - Q	0	-655	L - G	767	0
A - R	0	-647	G - K	0	-640
A - P	774	0	K - H	730	0
P - B	0	-597	H - I	0	-647
B - O	659	0	I - J	0	-652
F - L	0	-377			

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 3X4 except as noted.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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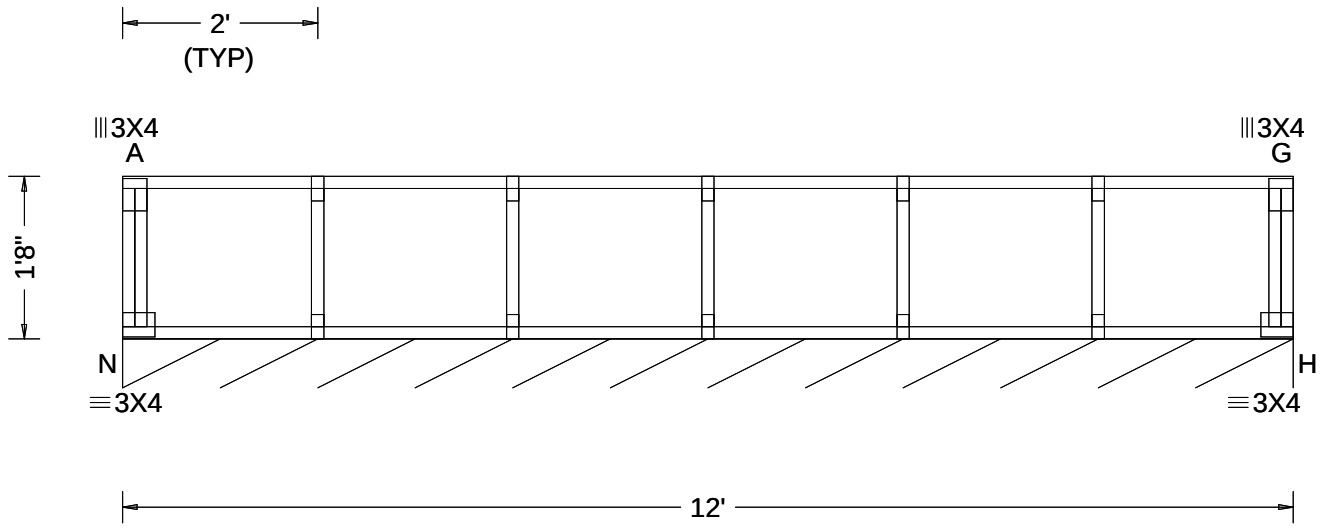
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1947 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F02A	Cust: R 9490 JRef:1WP794900001 T14 DrwNo: 282.19.0917.40083 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	G	999	360
VERT(TL): 0.001	G	999	240
HORZ(LL): 0.000	G	-	-
HORZ(TL): 0.000	G	-	-

Creep Factor: 1.5
Max TC CSI: 0.203
Max BC CSI: 0.011
Max Web CSI: 0.033

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	112	/-	/-	/-	/-	/-

H Brg Width = 144 Min Req = -
Bearing N is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Bracing
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.
Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X3 except as noted.

Additional Notes
Refer to General Notes for additional information
Truss must be installed as shown with top chord up.

10/09/2019

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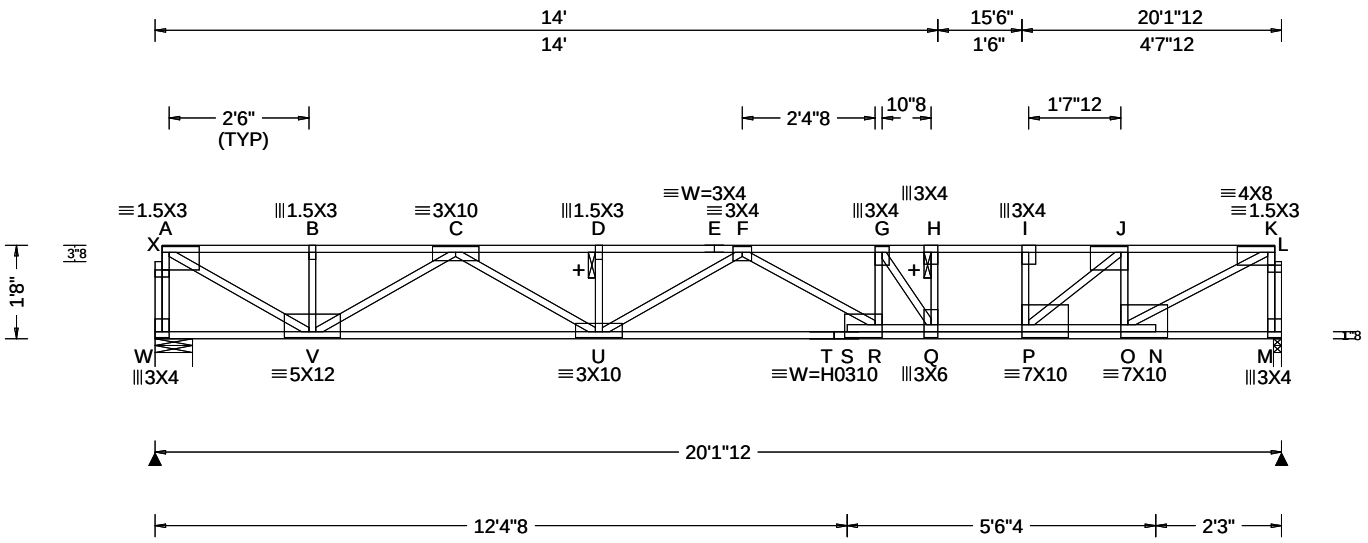
ALPINE™ AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2033 SY42 FROM:	Ply: 1 Qty: 9	**Job Number:** J29203M - **Truss Label:** F02B		Cust: R 9490 JRef:1WP794900001 T39 DrwNo: 282.19.0917.43633 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.292	F	813	360
VERT(TL): 0.622	F	382	240
HORZ(LL): 0.039	B	-	-
HORZ(TL): 0.083	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.647
Max BC CSI: 0.774
Max Web CSI: 0.550

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
W	1117	/-	/-		/-	/-	/-
M	1112	/-	/-		/-	/-	/-
W	Brg Width = 8.0				Min Req = 1.5		
M	Brg Width = 1.7				Min Req = 1.5		

Bearings W & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1682	F - G	0	-3312
B - C	0	-1682	G - H	0	-2850
C - D	0	-3428	H - I	0	-2837
D - E	0	-3428	I - J	0	-2818
E - F	0	-3428	J - K	0	-1625

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	2772	0	R - Q	3271	0
U - T	3577	0	Q - P	2837	0
T - R	3577	0	P - O	1725	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - W	0	-1108	G - Q	0	-947
A - X	0	-1100	I - P	0	-447
A - V	1951	0	P - J	1483	0
V - C	0	-1272	J - O	0	-1158
C - U	766	0	O - K	1897	0
F - R	0	-376	K - L	0	-1106
R - G	396	0	L - M	0	-1111

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 5X8 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.29" DL: 0.36". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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

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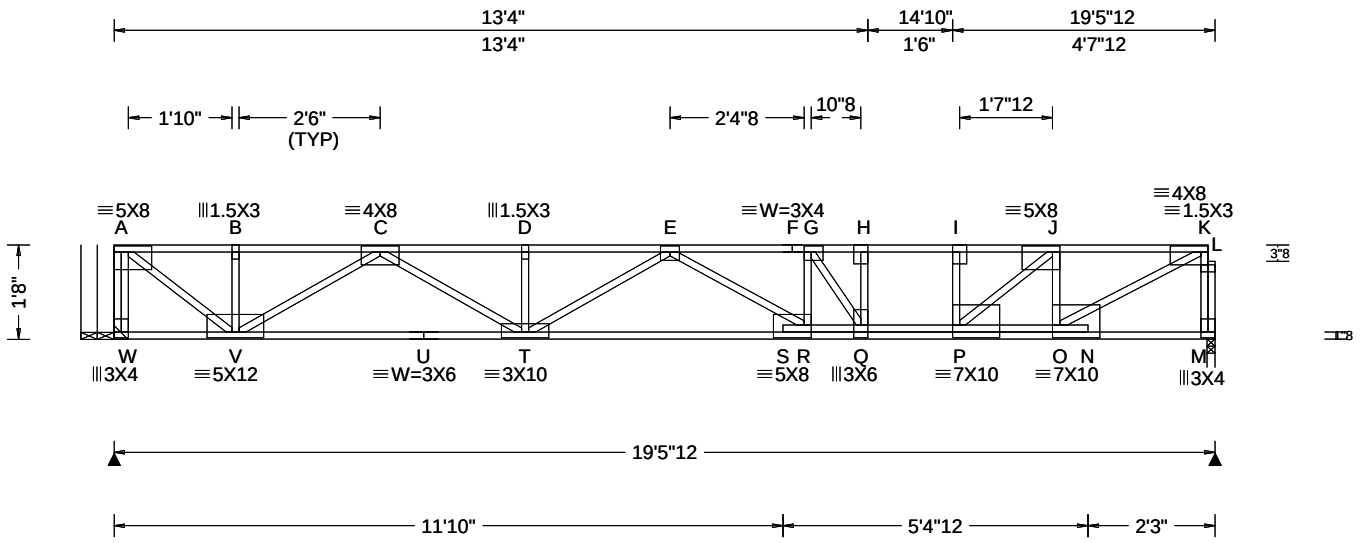
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2035 SY42 FROM:	Ply: 1 Qty: 8	**Job Number:** J29203M - **Truss Label:** F02C	Cust: R 9490 JRef:1WP794900001 T41 DrwNo: 282.19.0917.51790 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.256	E	895	360
VERT(TL): 0.544	E	421	240
HORZ(LL): 0.037	B	-	-
HORZ(TL): 0.079	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.585
Max BC CSI: 0.722
Max Web CSI: 0.513

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W	1096	/-	/-	/-	/-	/-
M	1071	/-	/-	/-	/-	/-

W Brg Width = - Min Req = -
M Brg Width = 1.7 Min Req = 1.5
Bearing M is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1218	F - G	0	-3121
B - C	0	-1218	G - H	0	-2705
C - D	0	-3107	H - I	0	-2694
D - E	0	-3107	I - J	0	-2676
E - F	0	-3121	J - K	0	-1558

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	2387	0	R - Q	3086	0
U - T	2387	0	Q - P	2694	0
T - R	3326	0	P - O	1654	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - W	0	-1093	P - J	1391	0
A - V	1572	0	J - O	0	-1103
V - C	0	-1365	O - K	1819	0
C - T	841	0	K - L	0	-1065
G - Q	0	-868	L - M	0	-1070
I - P	0	-423			

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 3X4 except as noted.

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

Deflection
Max JT VERT DEFL: LL: 0.26" DL: 0.32". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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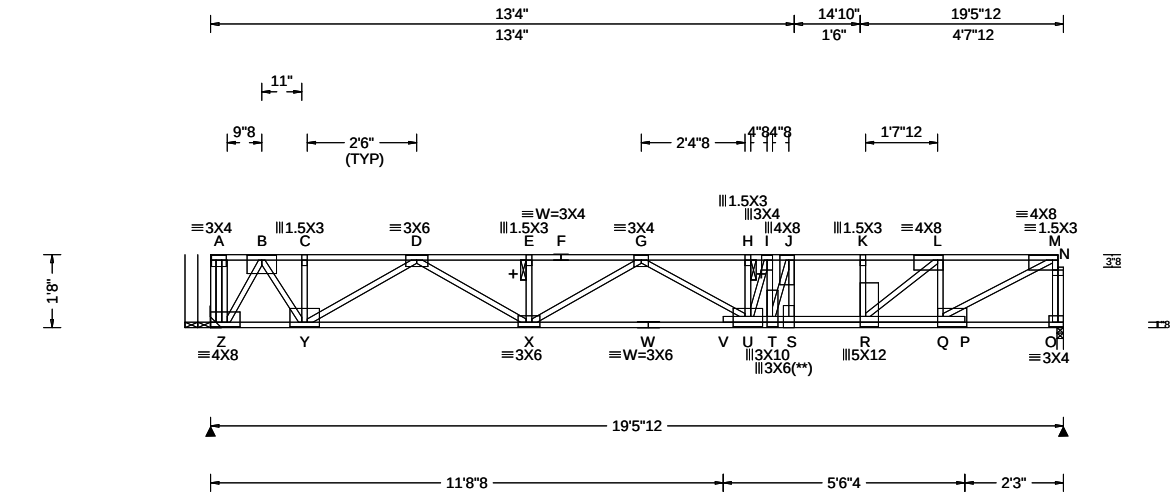
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2003 SY42 FROM:	Ply: 2 Qty: 1	**Job Number:** J29203M - **Truss Label:** F02D		Cust: R 9490 JRef:1WP794900001 T4 DrwNo: 282.19.0918.00803 / BAF 10/09/2019

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.227	V	999	360
VERT(TL): 0.482	V	475	240
HORZ(LL): 0.035	B	-	-
HORZ(TL): 0.074	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.570
Max BC CSI: 0.729
Max Web CSI: 0.394

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Z	2324	/-	/-	/-	/-	/-
O	1582	/-	/-	/-	/-	/-

Z Brg Width = - Min Req = -
O Brg Width = 1.7 Min Req = 1.5
Bearing O is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1105	H - I	0	-2636
C - D	0	-1105	I - J	0	-2537
D - E	0	-2351	J - K	0	-2239
E - F	0	-2351	K - L	0	-2224
F - G	0	-2351	L - M	0	-1196
G - H	0	-2636			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Z - Y	679	0	U - T	2579	0
Y - X	1837	0	T - S	2269	0
X - W	2610	0	S - R	2239	0
W - U	2610	0	R - Q	1274	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Z - B	0	-1331	J - S	0	-712
B - Y	795	0	R - L	1286	0
Y - D	0	-854	L - Q	0	-897
D - X	599	0	Q - M	1395	0
I - T	0	-590	M - N	0	-788
T - J	1092	0	N - O	0	-791

Lumber

Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 104 plf at 0.00 to 104 plf at 19.35
BC: From 8 plf at 0.00 to 8 plf at 19.48
TC: 1045 lb Conc. Load at 1.37
TC: 694 lb Conc. Load at 12.60

Plating Notes

All plates are 5X8 except as noted.

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

Hangers / Ties

(J) Hanger Support Required, by others

Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See DWG CNSY42PL0118 for connection details of 2 ply trusses.

Refer to General Notes for additional information

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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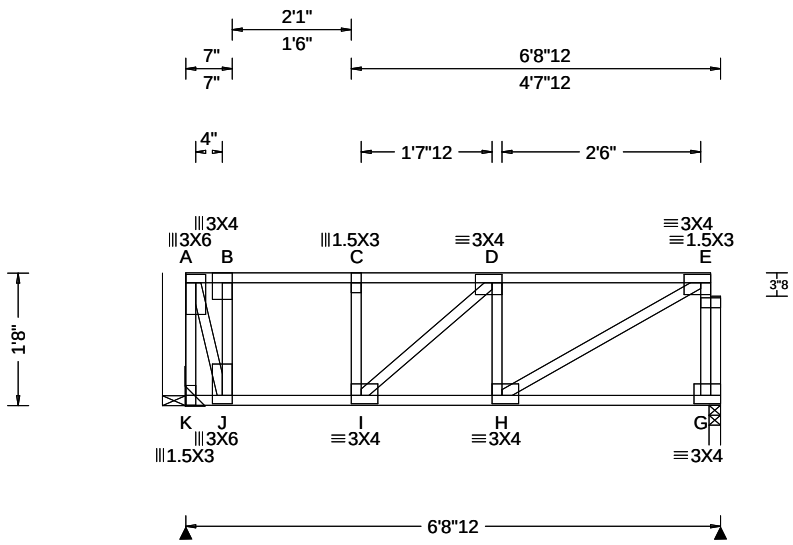
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2037 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** J29203M - **Truss Label:** F02E	Cust: R 9490 JRef:1WP794900001 T40 DrwNo: 282.19.0918.08097 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.073	C	999	360
VERT(TL): 0.156	C	505	240
HORZ(LL): -0.021	E	-	-
HORZ(TL): -0.045	E	-	-

Creep Factor: 1.5
Max TC CSI: 0.515
Max BC CSI: 0.578
Max Web CSI: 0.226

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	368	/-	/-	/-	/-	/-
G	372	/-	/-	/-	/-	/-

K Brg Width = - Min Req = -
G Brg Width = 1.7 Min Req = 1.5
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - E	0	-425

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
I - H	439	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	0	-563	J - B	0	-464
A - J	801	0	H - E	496	0

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Additional Notes
Refer to General Notes for additional information
Truss must be installed as shown with top chord up.

10/09/2019

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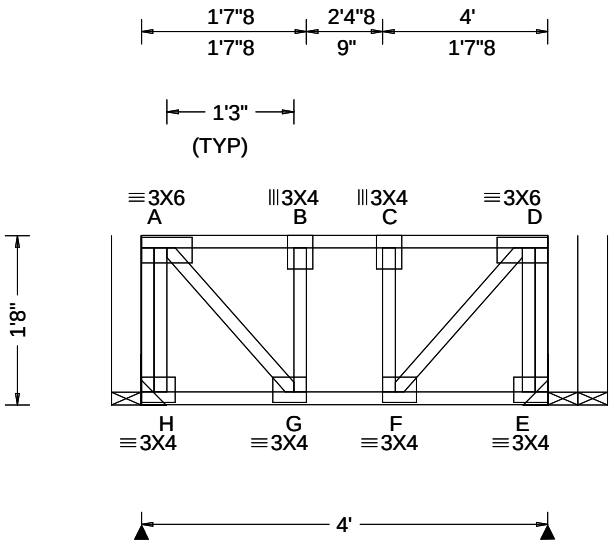
ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1992 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F02F	Cust: R 9490 JRef:1WP794900001 T8 DrwNo: 282.19.0918.59533 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.011	C	999	360
VERT(TL): 0.023	C	999	240
HORZ(LL): 0.001	B	-	-
HORZ(TL): -0.002	D	-	-

Creep Factor: 1.5
Max TC CSI: 0.636
Max BC CSI: 0.158
Max Web CSI: 0.142

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
H	551	/-	/-		/-	/-	/-
E	694	/-	/-		/-	/-	/-
H	Brg Width = -				Min Req = -		
E	Brg Width = -				Min Req = -		

Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	0	-544	C - F	0	-390
A - G	503	0	F - D	503	0
G - B	0	-388	D - E	0	-666

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Special Loads
------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 104 plf at 0.00 to 104 plf at 4.00
BC: From 8 plf at 0.00 to 8 plf at 4.00
TC: 368 lb Conc. Load at 1.68, 3.28

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

Additional Notes
Refer to General Notes for additional information
Truss must be installed as shown with top chord up.

10/09/2019

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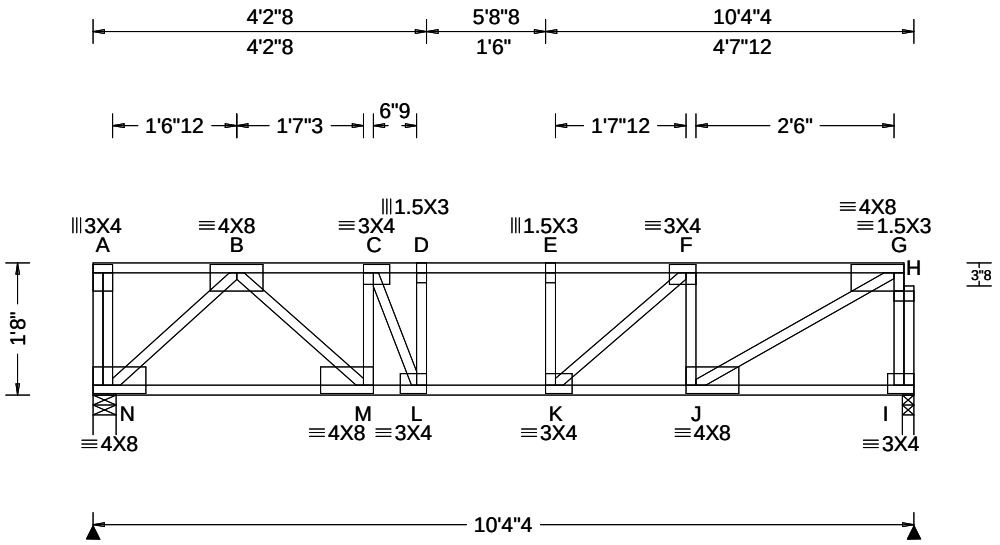
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1978 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F02G	Cust: R 9490 JRef:1WP794900001 T31 DrwNo: 282.19.0919.05237 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.063	D	999	360
VERT(TL): 0.134	D	889	240
HORZ(LL): 0.016	B	-	-
HORZ(TL): 0.034	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.317
Max BC CSI: 0.469
Max Web CSI: 0.328

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
N	1990	/-	/-	/-	/-	/-
I	728	/-	/-	/-	/-	/-

N Brg Width = 3.5 Min Req = 1.5
I Brg Width = 1.7 Min Req = 1.5
Bearings N & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1478	E - F	0	-1429
C - D	0	-1442	F - G	0	-995
D - E	0	-1439			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	813	0	L - K	1439	0
M - L	1520	0	K - J	1044	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	0	-1112	F - J	0	-602
N - B	0	-1242	J - G	1161	0
B - M	924	0	G - H	0	-720
M - C	0	-519	H - I	0	-725
K - F	528	0			

Lumber

Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 104 plf at 0.00 to 104 plf at 10.23
BC: From 8 plf at 0.00 to 8 plf at 10.35
TC: 1022 lb Conc. Load at 0.15
TC: 551 lb Conc. Load at 3.48

Additional Notes

Refer to General Notes for additional information

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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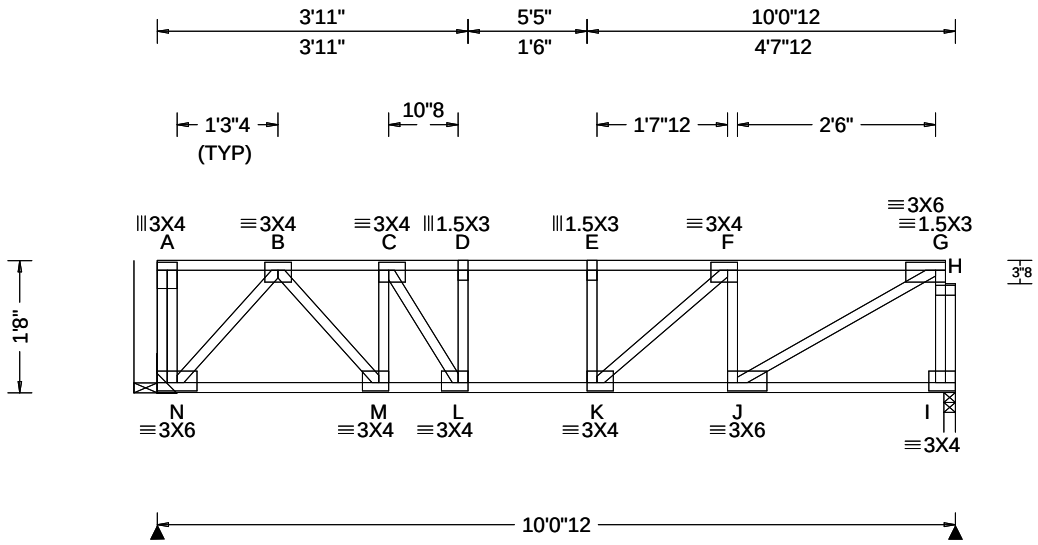
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2039 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** J29203M - **Truss Label:** F02H	Cust: R 9490 JRef:1WP794900001 T6 DrwNo: 282.19.0919.11437 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.040	E	999	360
VERT(TL): 0.098	E	999	240
HORZ(LL): 0.005	B	-	-
HORZ(TL): 0.015	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.404
Max BC CSI: 0.383
Max Web CSI: 0.231

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	569	/-	/-	/-	/-	/-
I	544	/-	/-	/-	/-	/-

N Brg Width = - Min Req = -
I Brg Width = 1.7 Min Req = 1.5
Bearing I is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-655	E - F	0	-821
C - D	0	-817	F - G	0	-701
D - E	0	-825			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	394	0	L - K	825	0
M - L	681	0	K - J	732	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-624	J - G	818	0
B - M	410	0	G - H	0	-538
F - J	0	-378	H - I	0	-543

Lumber

Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Additional Notes

Refer to General Notes for additional information

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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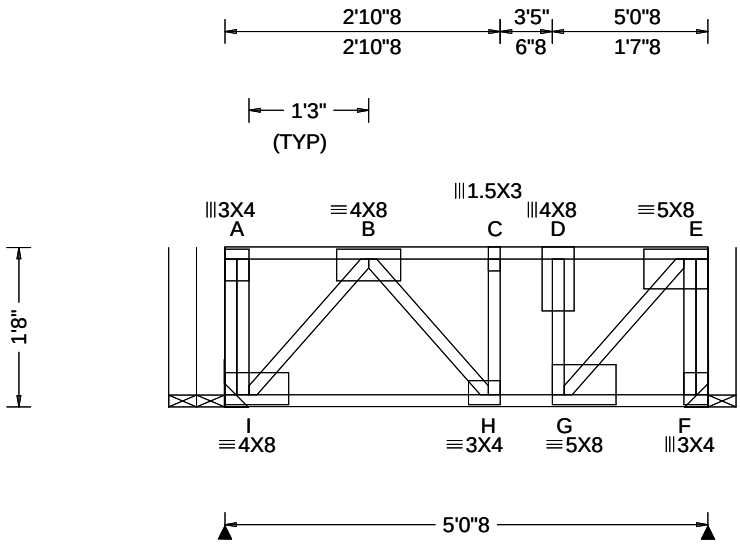
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1976 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F02J	Cust: R 9490 JRef:1WP794900001 T36 DrwNo: 282.19.0919.39730 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.026	C	999	360
VERT(TL): 0.056	C	973	240
HORZ(LL): 0.009	B	-	-
HORZ(TL): 0.020	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.543
Max BC CSI: 0.212
Max Web CSI: 0.319

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
I	1250	/-	/-		/-	/-	/-
F	1022	/-	/-		/-	/-	/-
I	Brg Width = -				Min Req = -		
F	Brg Width = -				Min Req = -		

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	- 733	D - E	0	- 709
C - D	0	- 740			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	666	0	H - G	740	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - I	0	- 431	G - E	1129	0
I - B	0	- 1061	E - F	0	- 1021
D - G	0	- 770			

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Special Loads
------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 104 plf at 0.00 to 104 plf at 5.04
BC: From 8 plf at 0.00 to 8 plf at 5.04
TC: 569 lb Conc. Load at 0.62, 2.22, 3.82

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

Additional Notes
Refer to General Notes for additional information
Truss must be installed as shown with top chord up.

10/09/2019

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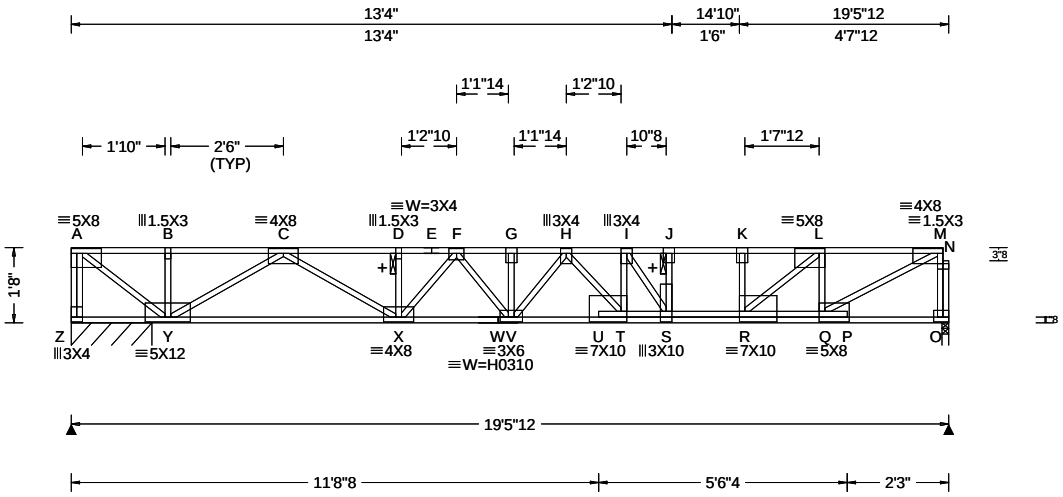
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1980 SY42 FROM:	Ply: 2 Qty: 1	**Job Number:** J29203M - **Truss Label:** F02K	Cust: R 9490 JRef:1WP794900001 T44 DrwNo: 282.19.0919.51280 / BAF 10/09/2019

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 25.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.266 G 861 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.565 G 405 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.038 B - -
Des Ld: 70.00	EXP: NA Kzt: NA		HORZ(TL): 0.080 B - -
NCBCLL: 0.00	Mean Height: NA ft	**Code / Misc Criteria**	Creep Factor: 1.5
Soffit: 2.00	TCDL: NA psf	Bldg Code: IBC 2012	Max TC CSI: 0.673
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2007	Max BC CSI: 0.841
Spacing: 19.2 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.424
	C&C Dist a: NA ft	FT/RT:12(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08
	I: NA GCpi: NA	WAVE, HS	
	Wind Duration: NA		

Lumber

Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 104 plf at 0.00 to 104 plf at 19.35
BC: From 8 plf at 0.00 to 8 plf at 19.48
TC: 522 lb Conc. Load at 1.10
TC: 1250 lb Conc. Load at 9.27

Plating Notes

All plates are 3X4 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.26" DL: 0.30". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See DWG CNSY42PL0118 for connection details of 2 ply trusses.

Refer to General Notes for additional information

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Z*	1258	/-	/-	/-	/-	/-
O	1685	/-	/-	/-	/-	/-

Z Brg Width = 21.5 Min Req = -
O Brg Width = 1.7 Min Req = 1.5
Bearings Z & O are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1166	G - H	0	-3575
B - C	0	-1166	H - I	0	-2984
C - D	0	-3130	I - J	0	-2435
D - E	0	-3130	J - K	0	-2419
E - F	0	-3130	K - L	0	-2403
F - G	0	-3575	L - M	0	-1280

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Y - X	2251	0	T - S	2925	0
X - W	3505	0	S - R	2419	0
W - V	3505	0	R - Q	1364	0
V - T	3277	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - Z	0	-1125	T - I	547	0
A - Y	1504	0	I - S	0	-993
Y - C	0	-1266	K - R	0	-389
C - X	1026	0	R - L	1405	0
X - F	0	-587	L - Q	0	-963
G - V	0	-472	Q - M	1494	0
V - H	481	0	M - N	0	-840
H - T	0	-471	N - O	0	-843

10/09/2019

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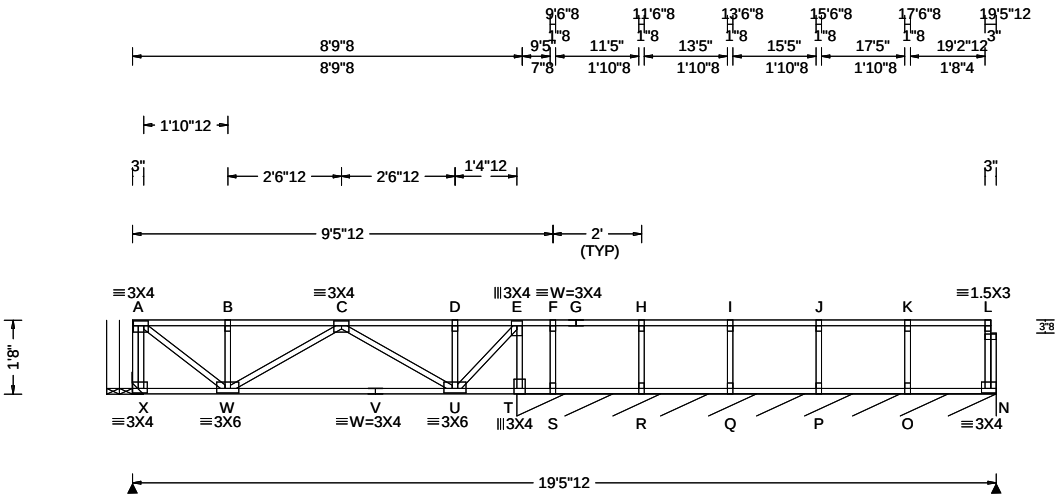
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1955 SY42 FROM:	Ply: 2 Qty: 1	**Job Number:** J29203M - **Truss Label:** F02L		Cust: R 9490 JRef:1WP794900001 T1 DrwNo: 282.19.0919.58380 / BAF 10/09/2019

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.017	C	999	360
VERT(TL): -0.024	C	999	240
HORZ(LL): -0.003	N	-	-
HORZ(TL): -0.004	N	-	-

Creep Factor: 1.5
Max TC CSI: 0.378
Max BC CSI: 0.131
Max Web CSI: 0.114

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
X	500	/-156	/-	/-	/-	/-
N*	154	/-	/-	/-	/-	/-
T		/-864				
S		/-130				

X Brg Width = - Min Req = -
N Brg Width = 129 Min Req = -
Bearing T is a rigid surface.
Members not listed have forces less than 375#

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
W - V	335	- 376	V - U	335	- 376

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
E - T	405	- 243

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

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

Additional Notes
See DWG CNSY42PL0118 for connection details of 2 ply trusses.
Refer to General Notes for additional information
See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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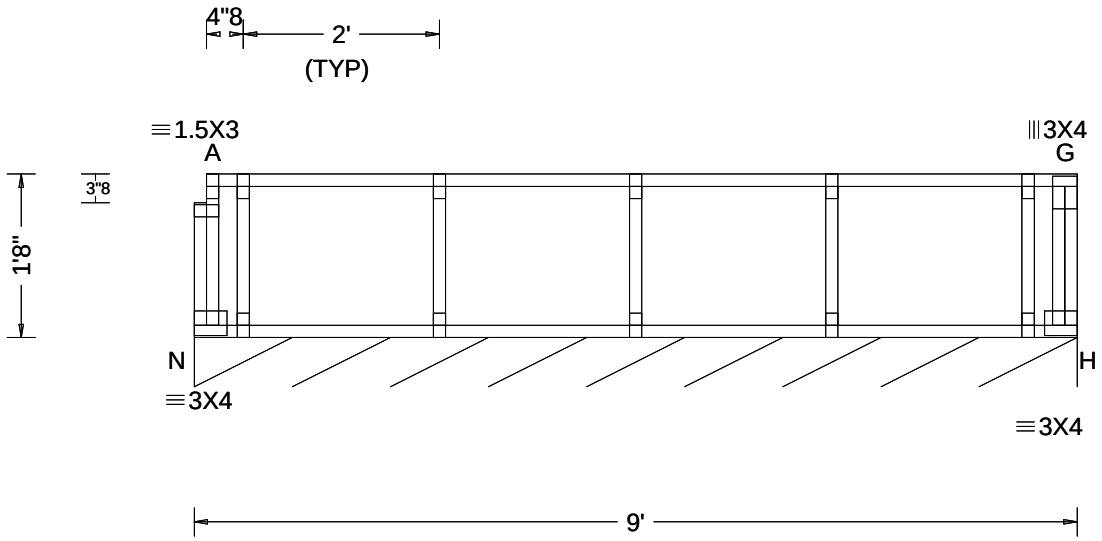
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1949 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F02M	Cust: R 9490 JRef:1WP794900001 T24 DrwNo: 282.19.0920.00027 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.000	G	999	360
VERT(TL): -0.001	G	999	240
HORZ(LL): 0.002	G	-	-
HORZ(TL): 0.004	G	-	-

Creep Factor: 1.5
Max TC CSI: 0.169
Max BC CSI: 0.012
Max Web CSI: 0.033

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	110	/-	/-	/-	/-	/-

H Brg Width = 108 Min Req = -
Bearing N is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Bracing
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.
Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X3 except as noted.

Additional Notes
Refer to General Notes for additional information
Truss must be installed as shown with top chord up.

10/09/2019

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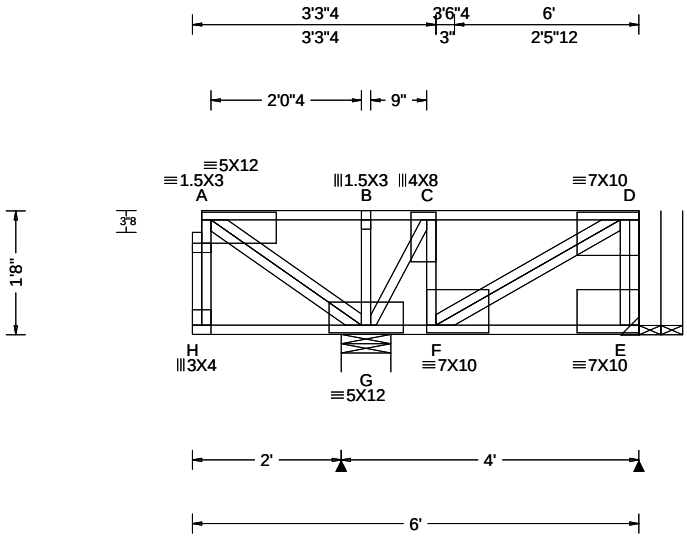
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1726 SY42 FROM:	Ply: 1 Qty: 7	**Job Number:** J29203M - **Truss Label:** F03		Cust: R 9490 JRef:1WP794900001 T29 DrwNo: 282.19.0920.08287 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.055	H	504	360
VERT(TL): 0.141	H	198	240
HORZ(LL): -0.023	A	-	-
HORZ(TL): -0.058	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.580
Max BC CSI: 0.195
Max Web CSI: 0.306

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	2980	/-	/-	/-	/-	/-
E	-	/-951	/-	/-	/-	/-

G Brg Width = 8.0 Min Req = 1.6
E Brg Width = - Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	2234	0	C - D	1637	0
B - C	2234	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - F	0	- 1716

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	0	- 2726	F - D	0	- 1926
G - C	0	- 1253	D - E	970	0
C - F	976	0			

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

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

Additional Notes
Refer to General Notes for additional information

This truss spaced @ 19.2" oc supports additional concentrated load at left end from 8.00' stud wall (13.75 PSF) supporting 30-0-0 roof spans with 0-0-0 overhang. Roof load: 30.00 psf LL and 25.00 psf DL.

Negative reaction(s) of -951# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Truss must be installed as shown with top chord up.

10/09/2019

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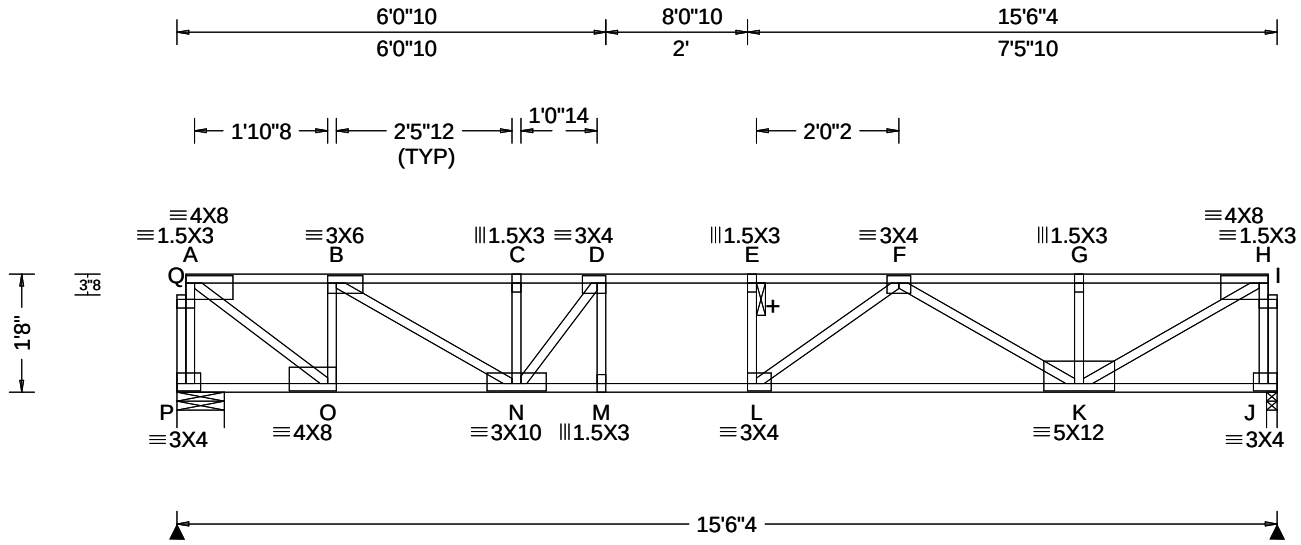
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1829 SY42 FROM:	Ply: 1 Qty: 20	**Job Number:** J29203M - **Truss Label:** F04	Cust: R 9490 JRef:1WP794900001 T22 DrwNo: 282.19.0920.10377 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.135	E	999	360
VERT(TL): 0.313	E	581	240
HORZ(LL): 0.013	K	-	-
HORZ(TL): 0.029	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.539
Max BC CSI: 0.518
Max Web CSI: 0.413

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	858	/-	/-	/-	/-	/-
J	853	/-	/-	/-	/-	/-

P Brg Width = 8.0 Min Req = 1.5
J Brg Width = 1.8 Min Req = 1.5
Bearings P & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-961	E - F	0	-2052
B - C	0	-1773	F - G	0	-1258
C - D	0	-1773	G - H	0	-1258
D - E	0	-2058			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	1021	0	M - L	2058	0
N - M	2054	0	L - K	1896	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - P	0	-852	N - D	0	-635
A - Q	0	-844	F - K	0	-746
A - O	1229	0	K - H	1462	0
O - B	0	-741	H - I	0	-856
B - N	880	0	I - J	0	-862

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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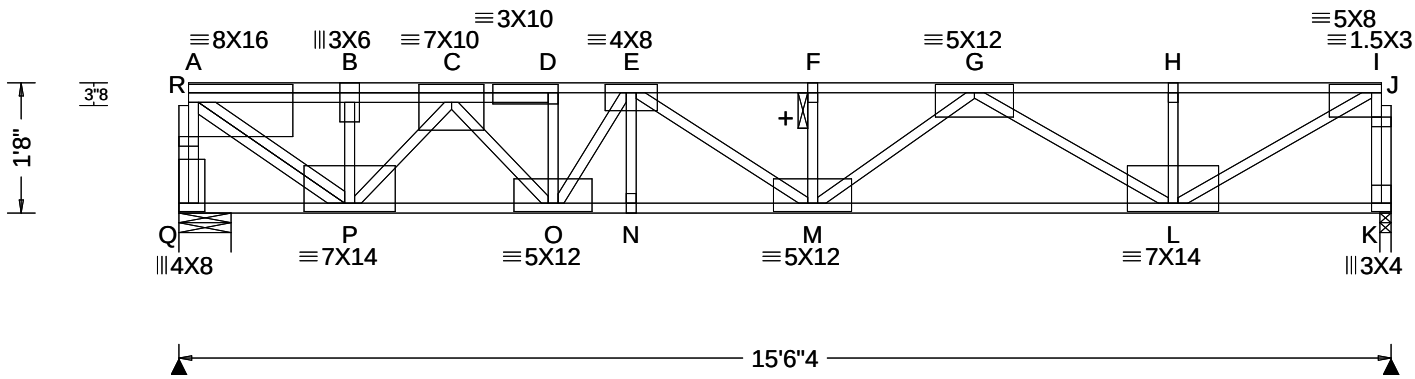
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 4814 SY42 FROM:	Ply: 2 Qty: 1	**Job Number:** J29203M - **Truss Label:** F04A	Cust: R 9490 JRef:1WP794900001 T2 DrwNo: 282.19.0925.01287 / BAF 10/09/2019

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.267	E	683	360
VERT(TL): 0.417	E	437	240
HORZ(LL): 0.048	B	-	-
HORZ(TL): 0.075	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.767
Max BC CSI: 0.840
Max Web CSI: 0.612

VIEW Ver: 19.02.00.1001.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	5531	/-	/-	/-	/-	/-
K	2275	/-	/-	/-	/-	/-

Q Brg Width = 8.0 Min Req = 1.5
K Brg Width = 1.8 Min Req = 1.5
Bearings Q & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-3225	E - F	0	-4601
B - C	0	-3225	F - G	0	-4601
C - D	0	-5402	G - H	0	-1868
D - E	0	-5361	H - I	0	-1868

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	4618	0	N - M	5739	0
O - N	5739	0	M - L	3437	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - Q	0	-2756	E - M	22	-1366
A - R	0	-2754	M - G	1450	0
A - P	4011	0	G - L	0	-1836
B - P	0	-807	L - I	2170	0
P - C	0	-2109	I - J	0	-1149
C - O	1140	0	J - K	0	-1151
O - E	0	-694			

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Special Loads
------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 40 plf at 0.12 to 40 plf at 5.75
TC: From 80 plf at 5.75 to 80 plf at 15.40
BC: From 4 plf at 0.00 to 4 plf at 5.75
BC: From 8 plf at 5.75 to 8 plf at 15.52
TC: 1096 lb Conc. Load at 0.74, 2.34, 3.56, 5.16
TC: 2324 lb Conc. Load at 5.75

Plating Notes
All plates are 1.5X3 except as noted.

Additional Notes
See DWG CNSY42PL0118 for connection details of 2 ply trusses.
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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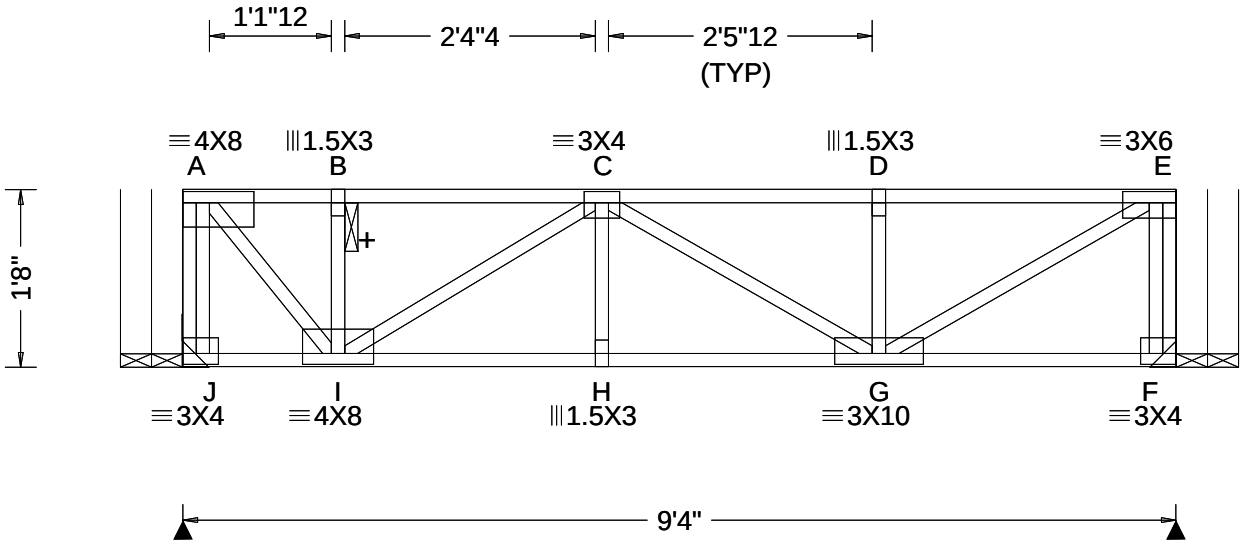
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1743 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** J29203M - **Truss Label:** F04B	Cust: R 9490 JRef:1WP794900001 T38 DrwNo: 282.19.0925.07110 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.026	H	999	360
VERT(TL): 0.056	H	999	240
HORZ(LL): 0.004	B	-	-
HORZ(TL): 0.009	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.362
Max BC CSI: 0.222
Max Web CSI: 0.206

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	522	/-	/-	/-	/-	/-
F	522	/-	/-	/-	/-	/-
J	Brg Width = -			Min Req = -		
F	Brg Width = -			Min Req = -		

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	- 620	D - E	0	- 620

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	722	0	H - G	722	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	0	- 517	G - E	728	0
A - I	582	0	E - F	0	- 497
I - C	0	- 430			

Lumber

Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

Refer to General Notes for additional information

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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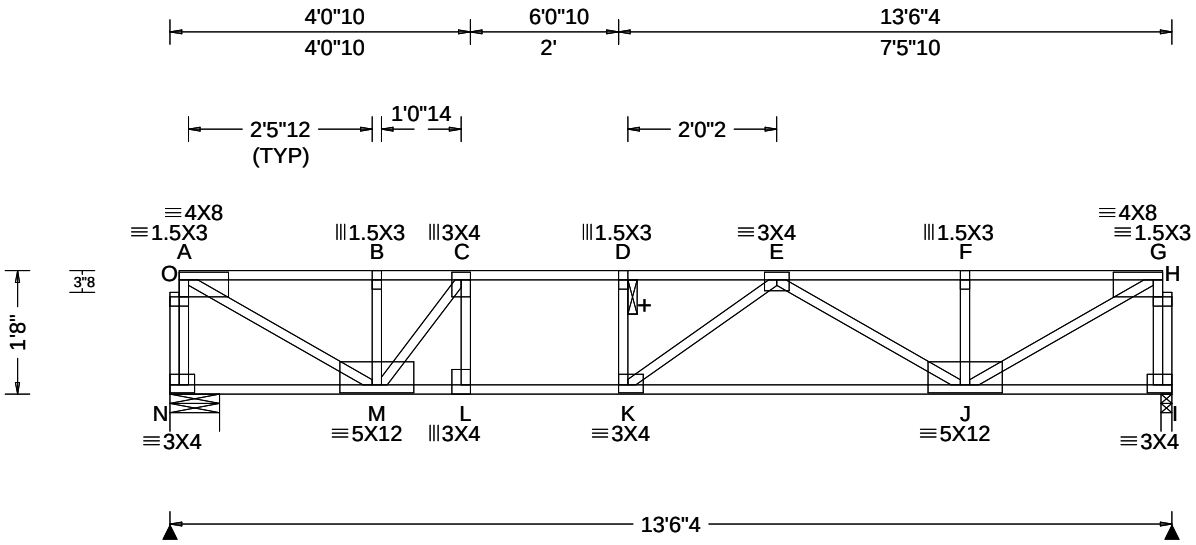
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1827 SY42 FROM:	Ply: 1 Qty: 12	**Job Number:** J29203M - **Truss Label:** F04C	Cust: R 9490 JRef:1WP794900001 T23 DrwNo: 282.19.0925.09920 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.163	D	970	360
VERT(TL): 0.373	D	424	240
HORZ(LL): -0.021	G	-	-
HORZ(TL): -0.054	G	-	-

Creep Factor: 1.5
Max TC CSI: 0.931
Max BC CSI: 0.699
Max Web CSI: 0.353

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	746	/-	/-	/-	/-	/-
I	741	/-	/-	/-	/-	/-

N Brg Width = 8.0 Min Req = 1.5
I Brg Width = 1.8 Min Req = 1.5
Bearings N & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	- 1010	D - E	0	- 1465
B - C	0	- 1010	E - F	0	- 1076
C - D	0	- 1467	F - G	0	- 1076

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	1458	0	K - J	1514	0
L - K	1467	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - N	0	- 727	E - J	0	- 512
A - O	0	- 719	J - G	1250	0
A - M	1174	0	G - H	0	- 749
M - C	0	- 832	H - I	0	- 754

Lumber

Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Deflection

Max JT VERT DEFL: LL: 0.16" DL: 0.23". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

Refer to General Notes for additional information

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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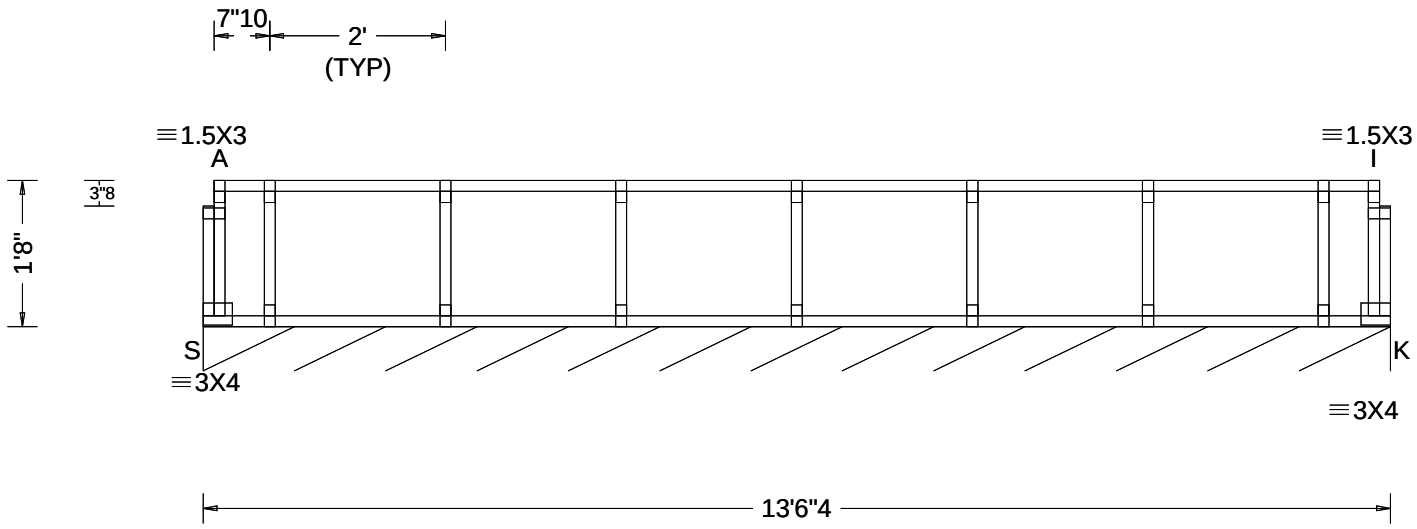
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1505 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F04D	Cust: R 9490 JRef:1WP794900001 T30 DrwNo: 282.19.0925.11617 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	C	999	360
VERT(TL): 0.001	C	999	240
HORZ(LL): 0.000	I	-	-
HORZ(TL): 0.000	I	-	-

Creep Factor: 1.5
Max TC CSI: 0.164
Max BC CSI: 0.012
Max Web CSI: 0.033

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
K*	110	/-	/-	/-	/-	/-
K	Brg Width = 162		Min Req = -			

Bearing S is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 1.5X3 except as noted.

Additional Notes

Refer to General Notes for additional information

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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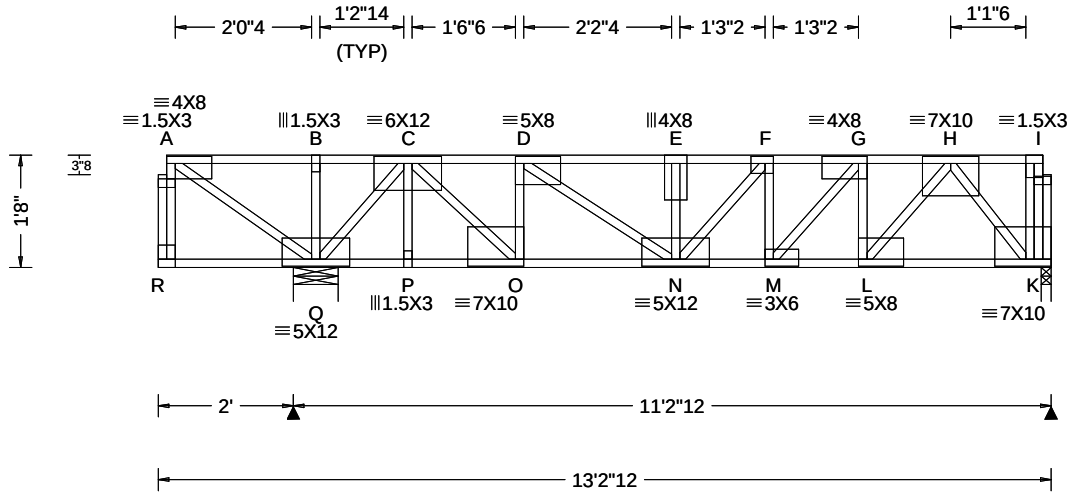
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 4816 SY42 FROM:	Ply: 2 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05		Cust: R 9490 JRef:1WP794900001 T33 DrwNo: 282.19.0925.42420 / BAF 10/09/2019

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.085	E	999	360
VERT(TL): 0.187	E	689	240
HORZ(LL): 0.009	K	-	-
HORZ(TL): -0.022	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.612
Max BC CSI: 0.508
Max Web CSI: 0.536

VIEW Ver: 19.02.00.1001.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	4252	/-	/-	/-	/-	/-
K	3582	/-72	/-	/-	/-	/-

Q Brg Width = 8.0 Min Req = 1.5
K Brg Width = 1.7 Min Req = 1.5
Bearings Q & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1117	0	E - F	356	- 2432
B - C	1117	0	F - G	217	- 2492
C - D	653	- 1138	G - H	113	- 2114
D - E	356	- 2432			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	0	- 913	N - M	2523	- 227
P - O	0	- 913	M - L	2187	- 120
O - N	1232	- 634	L - K	1340	- 46

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - Q	0	- 1363	F - M	124	- 385
Q - C	0	- 1519	M - G	482	- 152
C - O	1711	0	G - L	92	- 900
O - D	0	- 1163	L - H	1235	- 107
D - N	1454	0	H - K	71	- 2077
E - N	0	- 727			

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Special Loads
------(Lumber Dur.Fac.=0.90 / Plate Dur.Fac.=0.90)
TC: From 104 plf at 0.12 to 104 plf at 13.10
BC: From 8 plf at 0.00 to 8 plf at 13.23
TC: 1495 lb Conc. Load at 0.12
TC: 500 lb Conc. Load at 6.29
TC: 1096 lb Conc. Load at 7.60, 9.20,10.80,12.40

Plating Notes
All plates are 3X4 except as noted.

Additional Notes
See DWG CNSY42PL0118 for connection details of 2 ply trusses.

Refer to General Notes for additional information

See detail STRBRIBR1014 for bracing and bridging recommendations.

This truss spaced @ 19.2" oc supports additional concentrated load at left end from 8.00' stud wall (13.75 PSF) supporting 30-0-0 roof spans with 0-0-0 overhang. Roof load: 30.00 psf LL and 25.00 psf DL.

Truss must be installed as shown with top chord up.

10/09/2019

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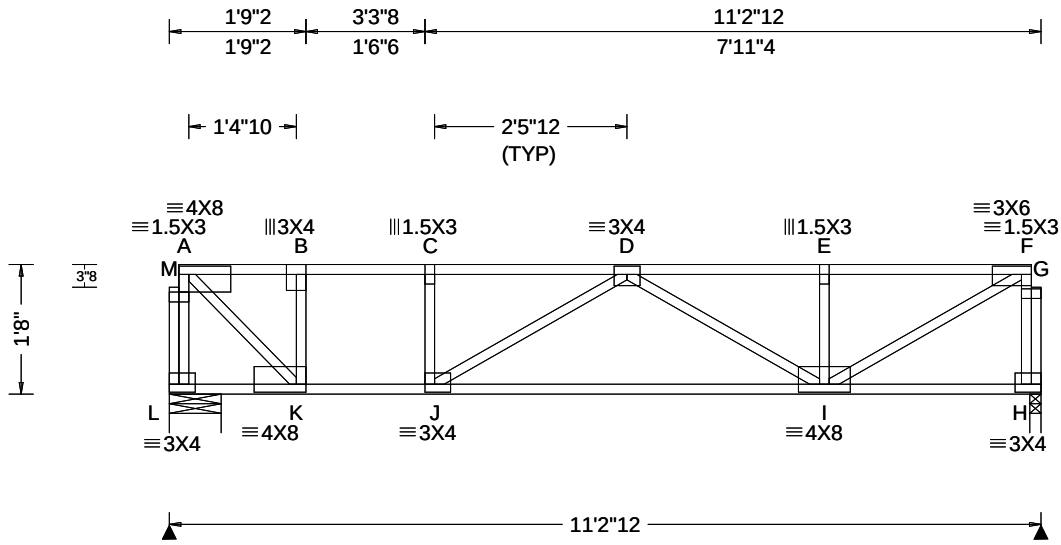
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1480 SY42 FROM:	Ply: 1 Qty: 6	**Job Number:** J29203M - **Truss Label:** F05A	Cust: R 9490 JRef:1WP794900001 T13 DrwNo: 282.19.0925.44200 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.149	C	878	360
VERT(TL): 0.326	C	400	240
HORZ(LL): -0.023	F	-	-
HORZ(TL): -0.052	F	-	-

Creep Factor: 1.5
Max TC CSI: 0.575
Max BC CSI: 0.668
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
L	618	/-	/-	/-	/-	/-
H	613	/-	/-	/-	/-	/-

L Brg Width = 8.0 Min Req = 1.5
H Brg Width = 1.7 Min Req = 1.5
Bearings L & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-730	D - E	0	-855
B - C	0	-751	E - F	0	-855
C - D	0	-754			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	751	0	J - I	1102	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - L	0	-724	J - D	0	-429
A - M	0	-716	I - F	994	0
A - K	1067	0	F - G	0	-621
K - B	0	-509	G - H	0	-627

Lumber

Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Additional Notes

Refer to General Notes for additional information

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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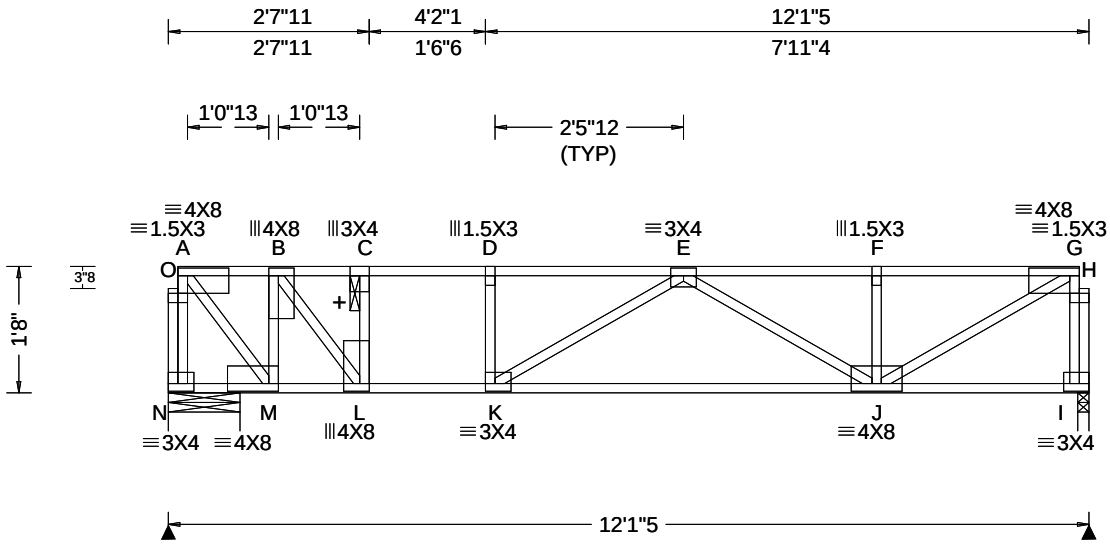
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2029 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05B		Cust: R 9490 JRef:1WP794900001 T3 DrwNo: 282.19.0925.45967 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.132	D	999	360
VERT(TL): 0.290	D	487	240
HORZ(LL): -0.018	G	-	-
HORZ(TL): -0.040	G	-	-

Creep Factor: 1.5
Max TC CSI: 0.528
Max BC CSI: 0.644
Max Web CSI: 0.307

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	667	/-	/-	/-	/-	/-
I	662	/-	/-	/-	/-	/-

N Brg Width = 11.3 Min Req = 1.5
I Brg Width = 1.7 Min Req = 1.5
Bearings N & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-405	D - E	0	-1027
B - C	0	-1005	E - F	0	-938
C - D	0	-1026	F - G	0	-938

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	462	0	K - J	1266	0
L - K	1026	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - N	0	-638	L - C	0	-502
A - O	0	-630	E - J	0	-385
A - M	684	0	J - G	1090	0
M - B	0	-713	G - H	0	-669
B - L	952	0	H - I	0	-675

Lumber

Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Additional Notes

Refer to General Notes for additional information

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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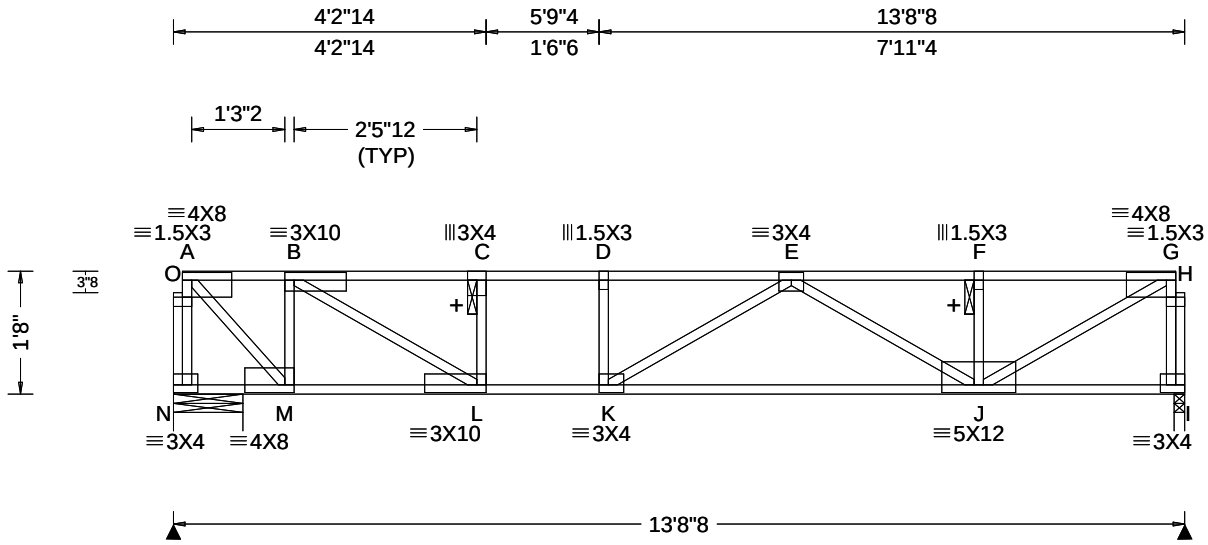
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2027 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05C	Cust: R 9490 JRef:1WP794900001 T16 DrwNo: 282.19.0925.47823 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.148	D	999	360
VERT(TL): 0.345	D	464	240
HORZ(LL): -0.018	G	-	-
HORZ(TL): -0.046	G	-	-

Creep Factor: 1.5
Max TC CSI: 0.747
Max BC CSI: 0.586
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
N	757	/-	/-	/-	/-	/-
I	752	/-	/-	/-	/-	/-

N Brg Width = 11.3 Min Req = 1.5
I Brg Width = 1.7 Min Req = 1.5
Bearings N & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-567	D - E	0	-1502
B - C	0	-1488	E - F	0	-1091
C - D	0	-1504	F - G	0	-1091

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	625	0	K - J	1564	0
L - K	1504	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - N	0	-730	L - C	0	-378
A - O	0	-722	E - J	0	-553
A - M	872	0	J - G	1268	0
M - B	0	-717	G - H	0	-759
B - L	1016	0	H - I	0	-764

Lumber

Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Deflection

Max JT VERT DEFL: LL: 0.15" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

Refer to General Notes for additional information

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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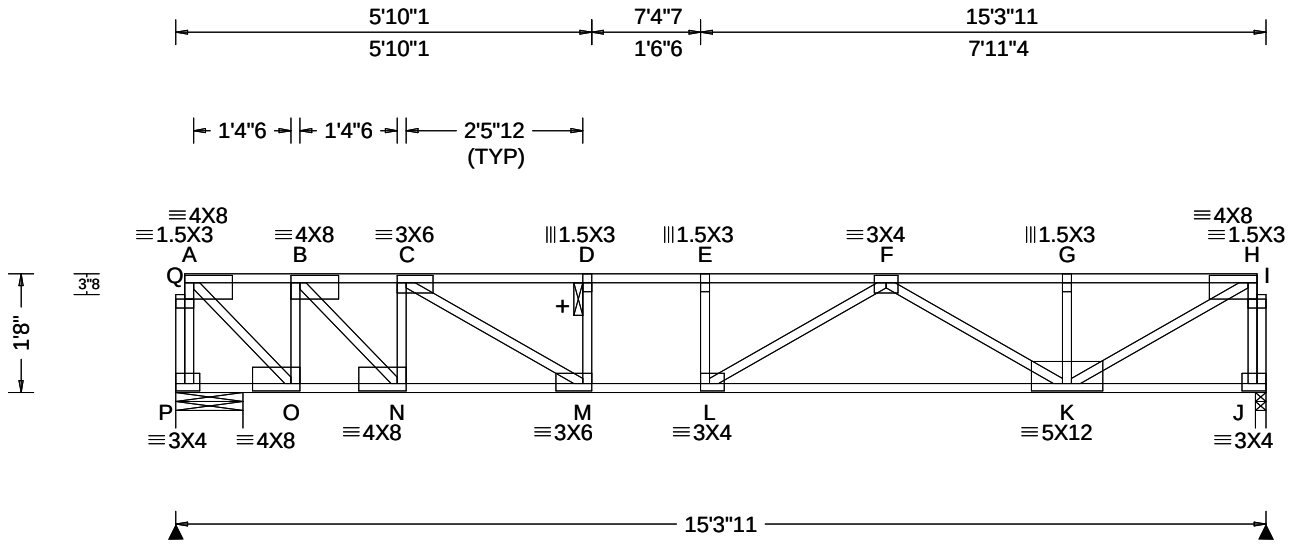
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2025 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05D	Cust: R 9490 JRef:1WP794900001 T21 DrwNo: 282.19.0925.49243 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.133	E	999	360
VERT(TL): 0.305	E	589	240
HORZ(LL): 0.013	K	-	-
HORZ(TL): -0.027	H	-	-

Creep Factor: 1.5
Max TC CSI: 0.413
Max BC CSI: 0.474
Max Web CSI: 0.406

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	846	/-	/-	/-	/-	/-
J	841	/-	/-	/-	/-	/-

P Brg Width = 11.3 Min Req = 1.5
J Brg Width = 1.7 Min Req = 1.5
Bearings P & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-706	E - F	0	-1990
B - C	0	-1280	F - G	0	-1237
C - D	0	-1981	G - H	0	-1237
D - E	0	-1994			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	766	0	M - L	1994	0
N - M	1328	0	L - K	1867	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - P	0	-839	C - M	813	0
A - Q	0	-831	F - K	0	-736
A - O	1039	0	K - H	1438	0
O - B	0	-746	H - I	0	-846
B - N	775	0	I - J	0	-851
N - C	0	-595			

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Additional Notes
Refer to General Notes for additional information

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

10/09/2019

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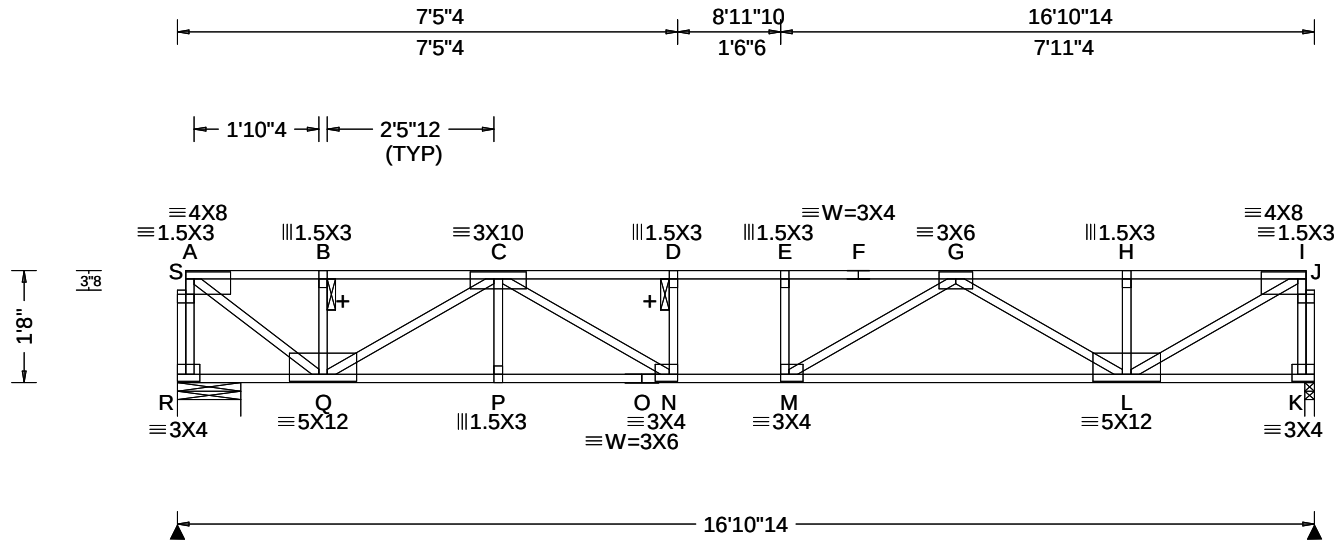
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2023 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05E	Cust: R 9490 JRef:1WP794900001 T25 DrwNo: 282.19.0925.50870 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.167	E	999	360
VERT(TL): 0.378	E	525	240
HORZ(LL): 0.024	L	-	-
HORZ(TL): 0.055	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.613
Max BC CSI: 0.840
Max Web CSI: 0.456

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
R	935	/-	/-	/-	/-	/-
K	931	/-	/-	/-	/-	/-

R Brg Width = 11.3 Min Req = 1.5
K Brg Width = 1.7 Min Req = 1.5
Bearings R & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1082	E - F	0	-2480
B - C	0	-1082	F - G	0	-2480
C - D	0	-2477	G - H	0	-1389
D - E	0	-2487	H - I	0	-1389

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	2027	0	N - M	2487	0
P - O	2027	0	M - L	2168	0
O - N	2027	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - R	0	-928	M - G	519	0
A - S	0	-920	G - L	0	-910
A - Q	1372	0	L - I	1614	0
Q - C	0	-1098	I - J	0	-934
C - N	665	0	J - K	0	-939

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Deflection
Max JT VERT DEFL: LL: 0.17" DL: 0.25". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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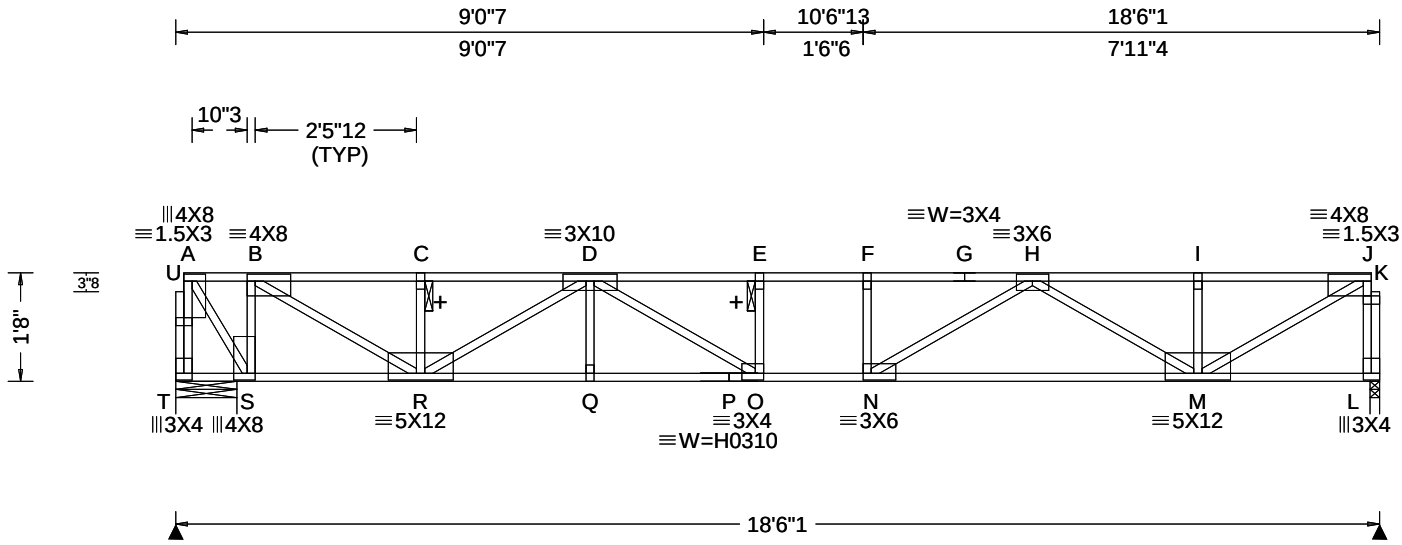
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2021 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05F		Cust: R 9490 JRef:1WP794900001 T17 DrwNo: 282.19.0925.52257 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.212	E	999	360
VERT(TL): 0.454	E	479	240
HORZ(LL): 0.033	B	-	-
HORZ(TL): 0.074	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.692
Max BC CSI: 0.584
Max Web CSI: 0.504

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1025	/-	/-	/-	/-	/-
L	1020	/-	/-	/-	/-	/-
T	Brg Width = 11.3			Min Req = 1.5		
L	Brg Width = 1.7			Min Req = 1.5		

Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-592	F - G	0	-2968
B - C	0	-1924	G - H	0	-2968
C - D	0	-1924	H - I	0	-1537
D - E	0	-2971	I - J	0	-1537
E - F	0	-2978			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	672	0	P - O	2734	0
R - Q	2734	0	O - N	2978	0
Q - P	2734	0	N - M	2468	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - T	0	-1024	D - O	517	-26
A - U	0	-1016	N - H	712	0
A - S	1165	0	H - M	0	-1090
S - B	0	-986	M - J	1786	0
B - R	1464	0	J - K	0	-1020
R - D	0	-942	K - L	0	-1026

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.21" DL: 0.30". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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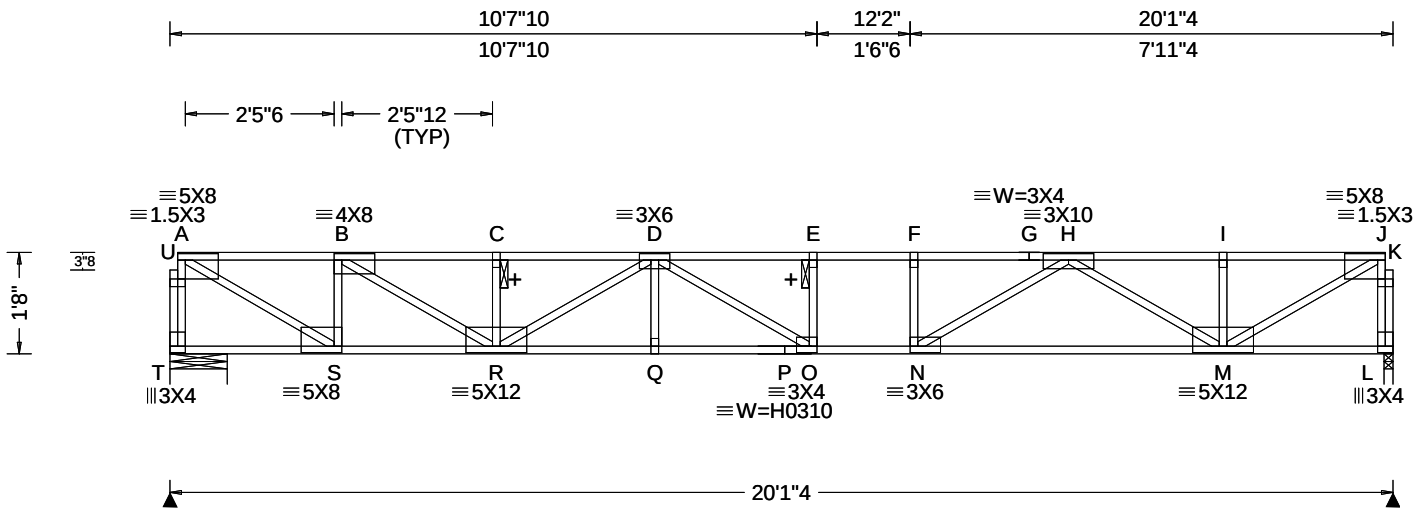
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2019 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05G	Cust: R 9490 JRef:1WP794900001 T7 DrwNo: 282.19.0925.53540 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.275	E	861	360
VERT(TL): 0.586	E	404	240
HORZ(LL): 0.037	B	-	-
HORZ(TL): 0.080	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.576
Max BC CSI: 0.735
Max Web CSI: 0.553

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
T	1114	/-	/-		/-	/-	/-
L	1110	/-	/-		/-	/-	/-
T	Brg Width = 11.3			Min Req = 1.5			
L	Brg Width = 1.7			Min Req = 1.5			

Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1602	F - G	0	-3458
B - C	0	-2763	G - H	0	-3458
C - D	0	-2763	H - I	0	-1686
D - E	0	-3467	I - J	0	-1686
E - F	0	-3471			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	1680	0	P - O	3439	0
R - Q	3439	0	O - N	3471	0
Q - P	3439	0	N - M	2766	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - T	0	-1104	D - O	376	-246
A - U	0	-1096	N - H	918	0
A - S	1880	0	H - M	0	-1263
S - B	0	-965	M - J	1960	0
B - R	1267	0	J - K	0	-1109
R - D	0	-786	K - L	0	-1114

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.27" DL: 0.38". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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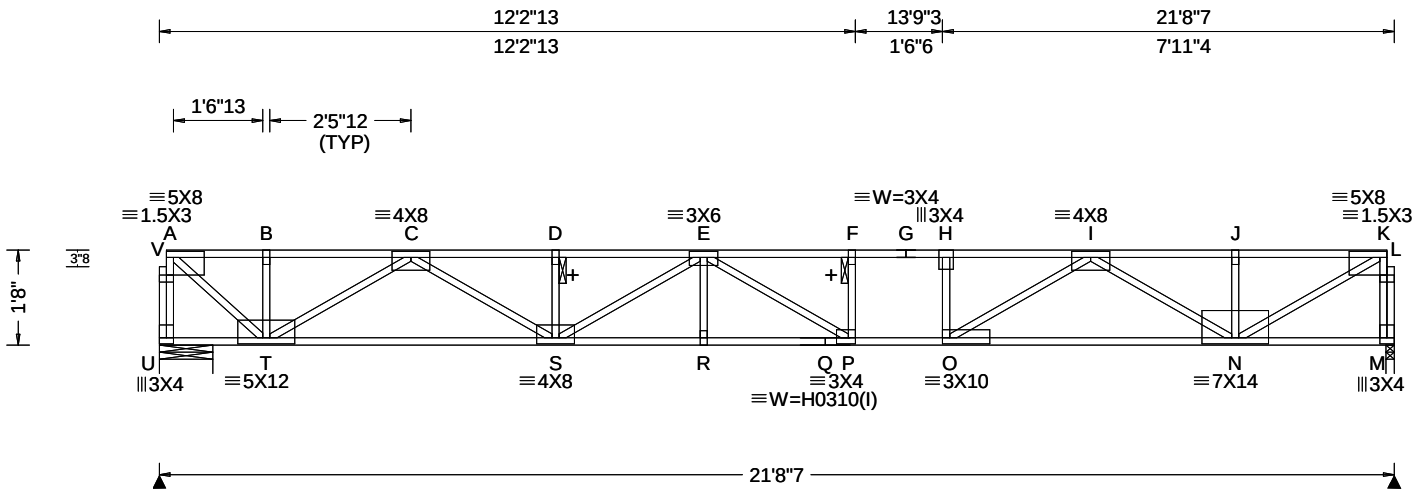
ALPINE™ AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2017 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05H	Cust: R 9490 JRef:1WP794900001 T11 DrwNo: 282.19.0925.55837 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.359	F	714	360
VERT(TL): 0.763	F	336	240
HORZ(LL): 0.051	B	-	-
HORZ(TL): 0.109	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.688
Max BC CSI: 0.838
Max Web CSI: 0.602

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	1204	/-	/-	/-	/-	/-
M	1199	/-	/-	/-	/-	/-

U Brg Width = 11.3 Min Req = 1.5
M Brg Width = 1.7 Min Req = 1.5
Bearings U & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1246	F - G	0	-3964
B - C	0	-1246	G - H	0	-3964
C - D	0	-3615	H - I	0	-3948
D - E	0	-3615	I - J	0	-1836
E - F	0	-3963	J - K	0	-1836

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	2655	0	Q - P	4144	0
S - R	4144	0	P - O	3964	0
R - Q	4144	0	O - N	3066	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - U	0	-1204	H - O	0	-404
A - V	0	-1196	O - I	1038	0
A - T	1685	0	I - N	0	-1439
T - C	0	-1648	N - K	2133	0
C - S	1123	0	K - L	0	-1196
S - E	0	-615	L - M	0	-1202

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.
(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Deflection
Max JT VERT DEFL: LL: 0.36" DL: 0.40". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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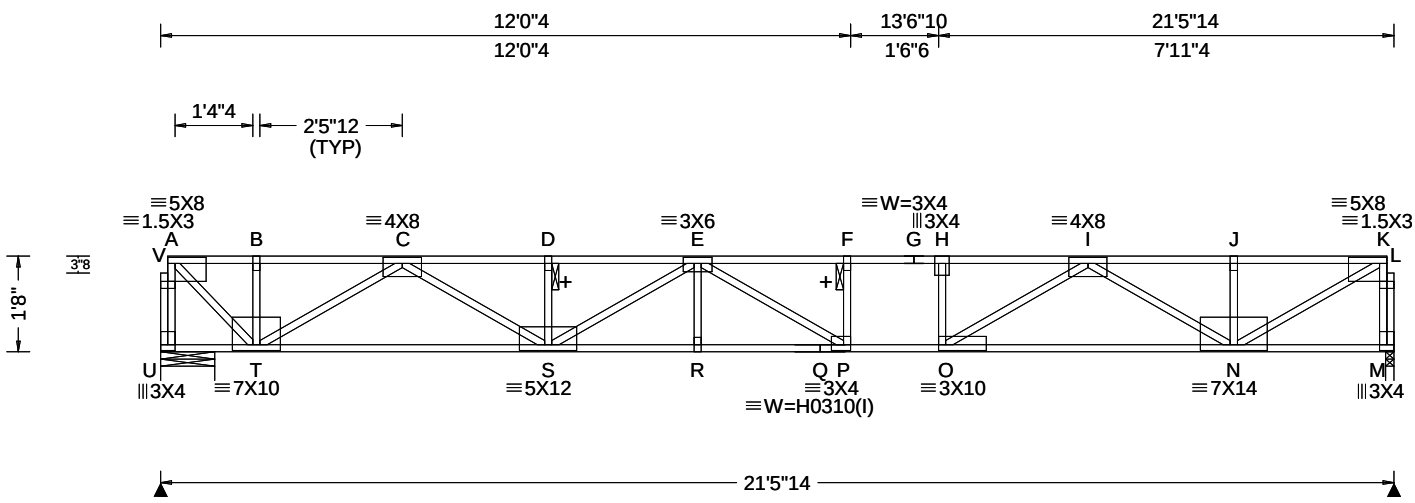
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2015 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05J	Cust: R 9490 JRef:1WP794900001 T19 DrwNo: 282.19.0925.57453 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.346	F	733	360
VERT(TL): 0.736	F	344	240
HORZ(LL): 0.050	B	-	-
HORZ(TL): 0.106	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.660
Max BC CSI: 0.810
Max Web CSI: 0.596

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	1192	/-	/-	/-	/-	/-
M	1187	/-	/-	/-	/-	/-

U Brg Width = 11.3 Min Req = 1.5
M Brg Width = 1.7 Min Req = 1.5
Bearings U & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1095	F - G	0	-3899
B - C	0	-1095	G - H	0	-3899
C - D	0	-3503	H - I	0	-3883
D - E	0	-3503	I - J	0	-1816
E - F	0	-3898	J - K	0	-1816

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	2524	0	Q - P	4051	0
S - R	4051	0	P - O	3899	0
R - Q	4051	0	O - N	3027	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - U	0	-1194	H - O	0	-394
A - V	0	-1186	O - I	1009	0
A - T	1580	0	I - N	0	-1416
T - C	0	-1672	N - K	2110	0
C - S	1145	0	K - L	0	-1185
S - E	0	-636	L - M	0	-1190

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.
(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Deflection
Max JT VERT DEFL: LL: 0.35" DL: 0.39". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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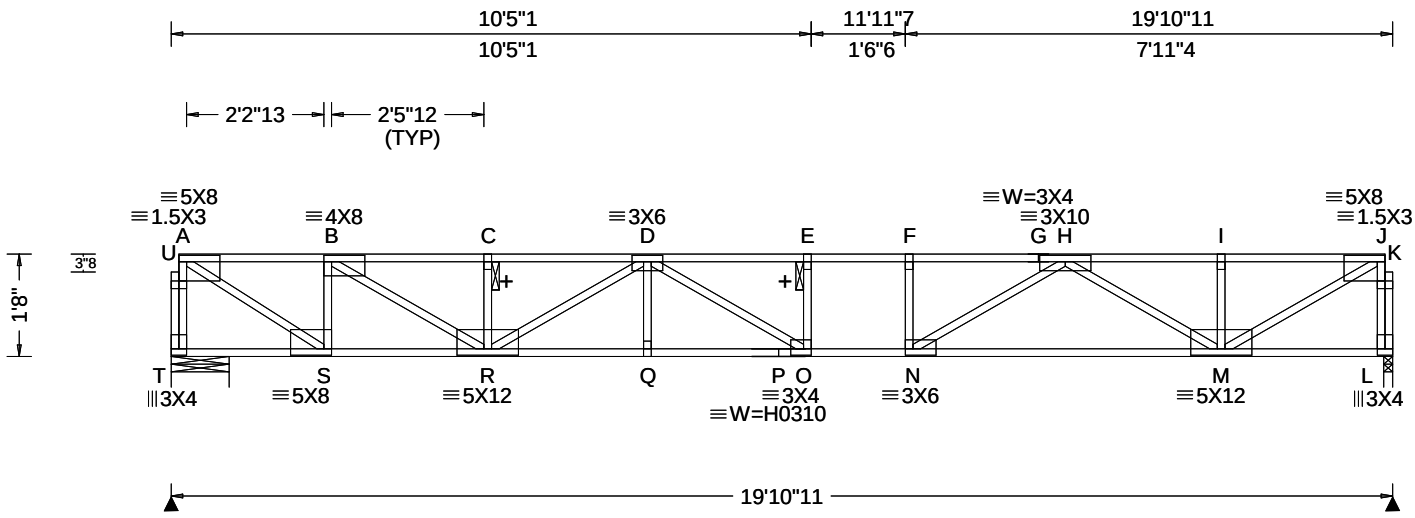
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2013 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05K	Cust: R 9490 JRef:1WP794900001 T32 DrwNo: 282.19.0925.59027 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.263	E	893	360
VERT(TL): 0.559	E	419	240
HORZ(LL): 0.036	B	-	-
HORZ(TL): 0.078	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.554
Max BC CSI: 0.710
Max Web CSI: 0.547

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1103	/-	/-	/-	/-	/-
L	1098	/-	/-	/-	/-	/-
T	Brg Width = 11.3			Min Req = 1.5		
L	Brg Width = 1.7			Min Req = 1.5		

Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1468	F - G	0	-3393
B - C	0	-2653	G - H	0	-3393
C - D	0	-2653	H - I	0	-1666
D - E	0	-3402	I - J	0	-1666
E - F	0	-3406			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	1546	0	P - O	3346	0
R - Q	3346	0	O - N	3406	0
Q - P	3346	0	N - M	2727	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - T	0	-1093	D - O	395	-216
A - U	0	-1085	N - H	891	0
A - S	1767	0	H - M	0	-1240
S - B	0	-965	M - J	1937	0
B - R	1295	0	J - K	0	-1097
R - D	0	-806	K - L	0	-1102

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.26" DL: 0.36". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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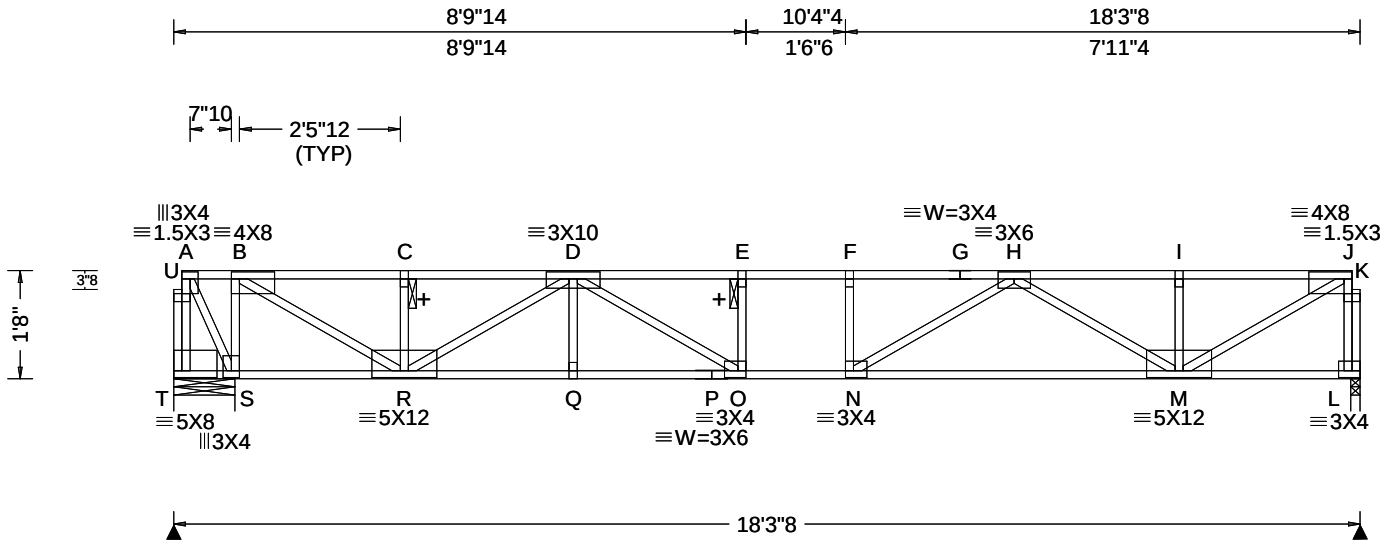
ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2011 SY42	Ply: 1	**Job Number:** J29203M	Cust: R 9490 JRef:1WP794900001 T12
FROM:	Qty: 1	- ,	DrwNo: 282.19.0926.00603
		Truss Label: F05L	/ BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.179	F	999	360
VERT(TL): 0.395	F	524	240
HORZ(LL): 0.024	M	-	-
HORZ(TL): 0.052	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.601
Max BC CSI: 0.831
Max Web CSI: 0.457

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1088	/-	/-	/-	/-	/-
L	934	/-	/-	/-	/-	/-
T	Brg Width = 11.3			Min Req = 1.5		
L	Brg Width = 1.7			Min Req = 1.5		

Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1103	F - G	0	-2497
C - D	0	-1103	G - H	0	-2497
D - E	0	-2494	H - I	0	-1394
E - F	0	-2504	I - J	0	-1394

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	2053	0	O - N	2504	0
Q - P	2053	0	N - M	2178	0
P - O	2053	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - T	795	-3	D - O	644	0
A - U	800	0	N - H	512	0
A - S	0	-843	H - M	0	-917
S - B	0	-1078	M - J	1621	0
B - R	1581	0	J - K	0	-937
R - D	0	-1104	K - L	0	-942

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.18" DL: 0.27". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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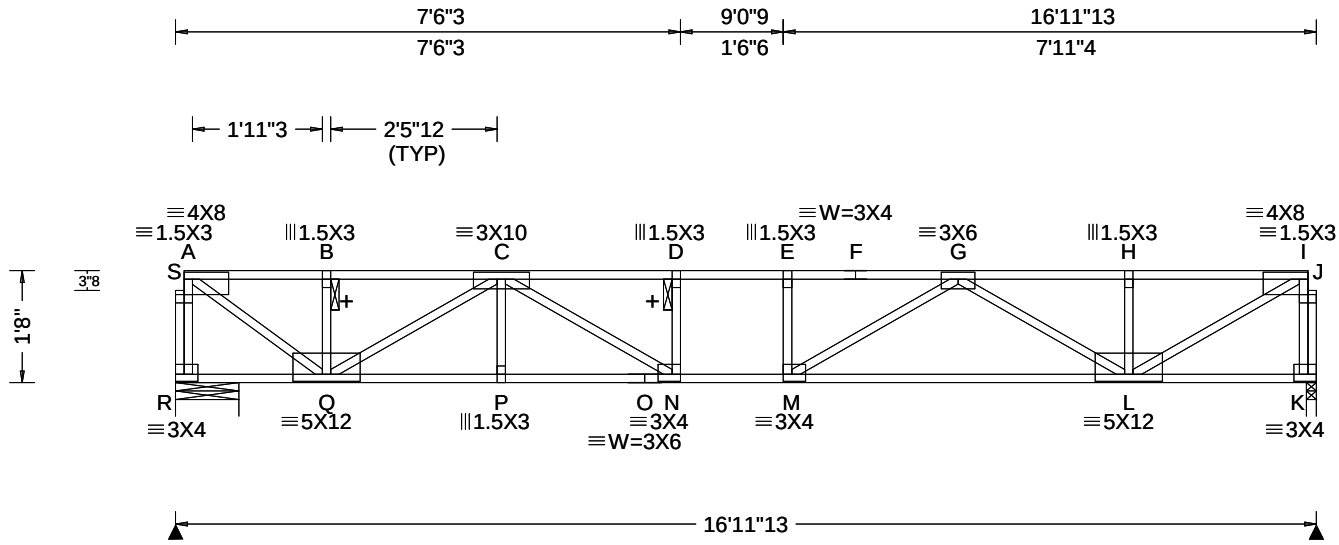
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2009 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05M	Cust: R 9490 JRef:1WP794900001 T20 DrwNo: 282.19.0926.02130 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.168	E	999	360
VERT(TL): 0.380	E	526	240
HORZ(LL): 0.024	L	-	-
HORZ(TL): 0.056	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.608
Max BC CSI: 0.837
Max Web CSI: 0.458

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	940	/-	/-	/-	/-	/-
K	935	/-	/-	/-	/-	/-

R Brg Width = 11.3 Min Req = 1.5
K Brg Width = 1.7 Min Req = 1.5
Bearings R & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1125	E - F	0	-2505
B - C	0	-1125	F - G	0	-2505
C - D	0	-2502	G - H	0	-1397
D - E	0	-2512	H - I	0	-1397

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	2062	0	N - M	2512	0
P - O	2062	0	M - L	2183	0
O - N	2062	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - R	0	-932	M - G	529	0
A - S	0	-924	G - L	0	-919
A - Q	1406	0	L - I	1623	0
Q - C	0	-1089	I - J	0	-938
C - N	657	0	J - K	0	-944

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Deflection
Max JT VERT DEFL: LL: 0.17" DL: 0.25". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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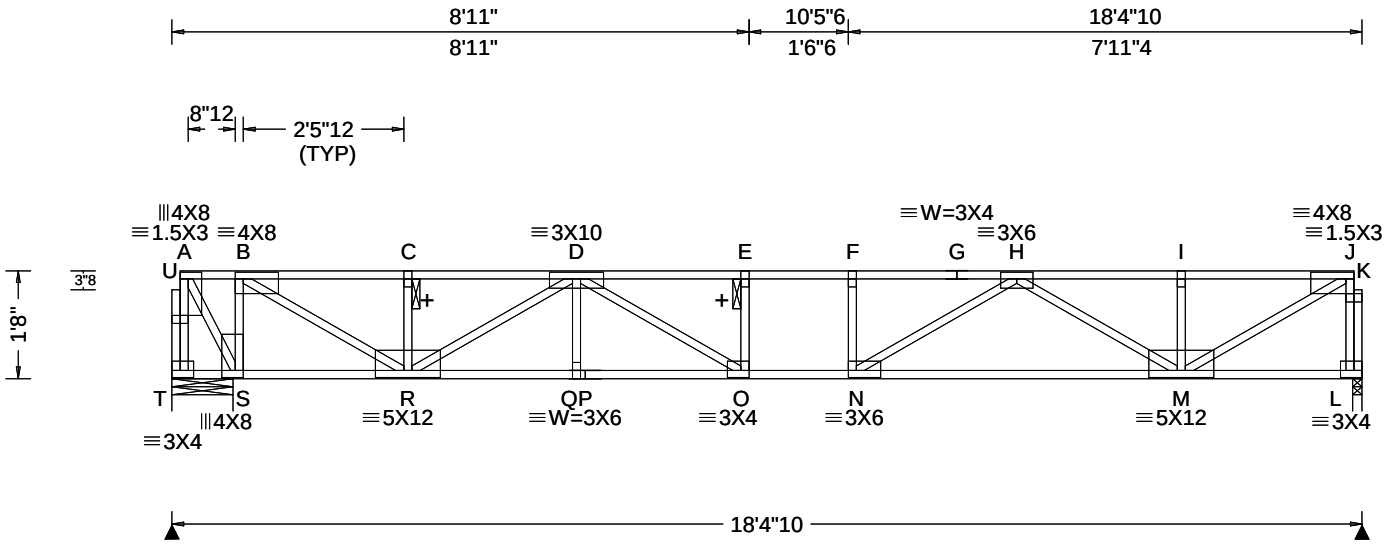
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2007 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05N		Cust: R 9490 JRef:1WP794900001 T34 DrwNo: 282.19.0926.04170 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.190	E	999	360
VERT(TL): 0.405	E	535	240
HORZ(LL): 0.028	B	-	-
HORZ(TL): 0.063	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.400
Max BC CSI: 0.525
Max Web CSI: 0.500

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1018	/-	/-	/-	/-	/-
L	1014	/-	/-	/-	/-	/-

T Brg Width = 11.3 Min Req = 1.5
L Brg Width = 1.7 Min Req = 1.5
Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-514	F - G	0	-2931
B - C	0	-1861	G - H	0	-2931
C - D	0	-1861	H - I	0	-1525
D - E	0	-2934	I - J	0	-1525
E - F	0	-2942			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	594	0	P - O	2678	0
R - Q	2678	0	O - N	2942	0
Q - P	2678	0	N - M	2444	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - T	0	-1015	D - O	528	-5
A - U	0	-1007	N - H	701	0
A - S	1128	0	H - M	0	-1074
S - B	0	-992	M - J	1773	0
B - R	1481	0	J - K	0	-1014
R - D	0	-950	K - L	0	-1020

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.19" DL: 0.27". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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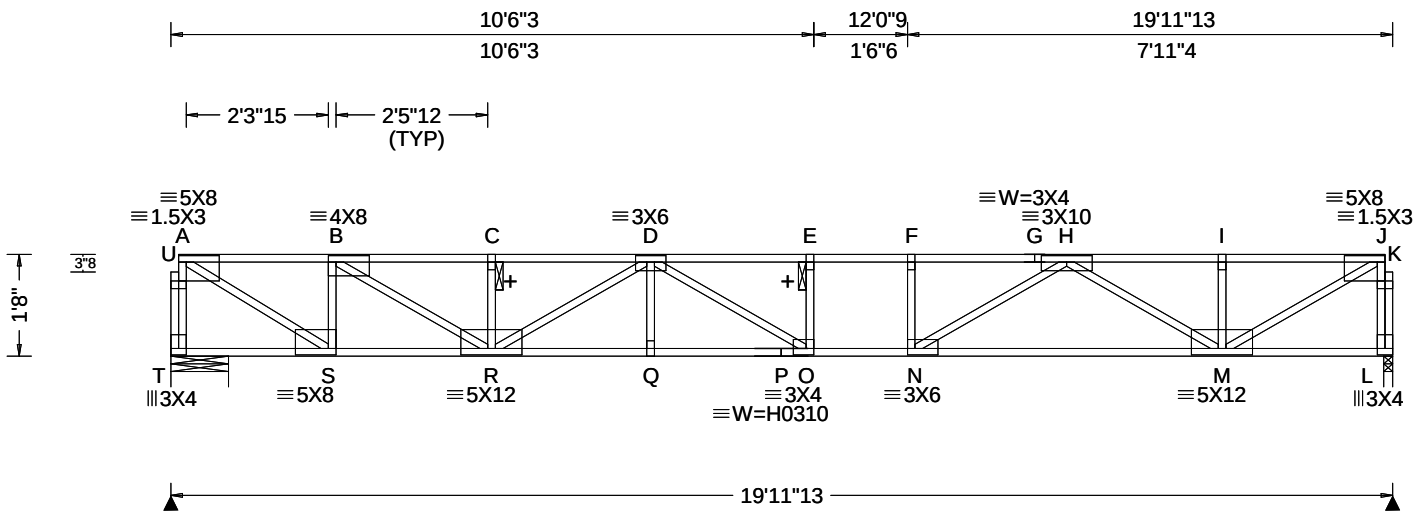
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1777 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05P	Cust: R 9490 JRef:1WP794900001 T26 DrwNo: 282.19.0926.05620 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.268	E	879	360
VERT(TL): 0.570	E	413	240
HORZ(LL): 0.036	B	-	-
HORZ(TL): 0.079	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.563
Max BC CSI: 0.721
Max Web CSI: 0.549

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1108	/-	/-	/-	/-	/-
L	1103	/-	/-	/-	/-	/-
T	Brg Width = 11.3			Min Req = 1.5		
L	Brg Width = 1.7			Min Req = 1.5		

Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1525	F - G	0	-3421
B - C	0	-2700	G - H	0	-3421
C - D	0	-2700	H - I	0	-1675
D - E	0	-3430	I - J	0	-1675
E - F	0	-3434			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	1603	0	P - O	3386	0
R - Q	3386	0	O - N	3434	0
Q - P	3386	0	N - M	2744	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - T	0	-1098	D - O	387	-228
A - U	0	-1090	N - H	903	0
A - S	1815	0	H - M	0	-1250
S - B	0	-965	M - J	1947	0
B - R	1283	0	J - K	0	-1102
R - D	0	-797	K - L	0	-1107

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.27" DL: 0.37". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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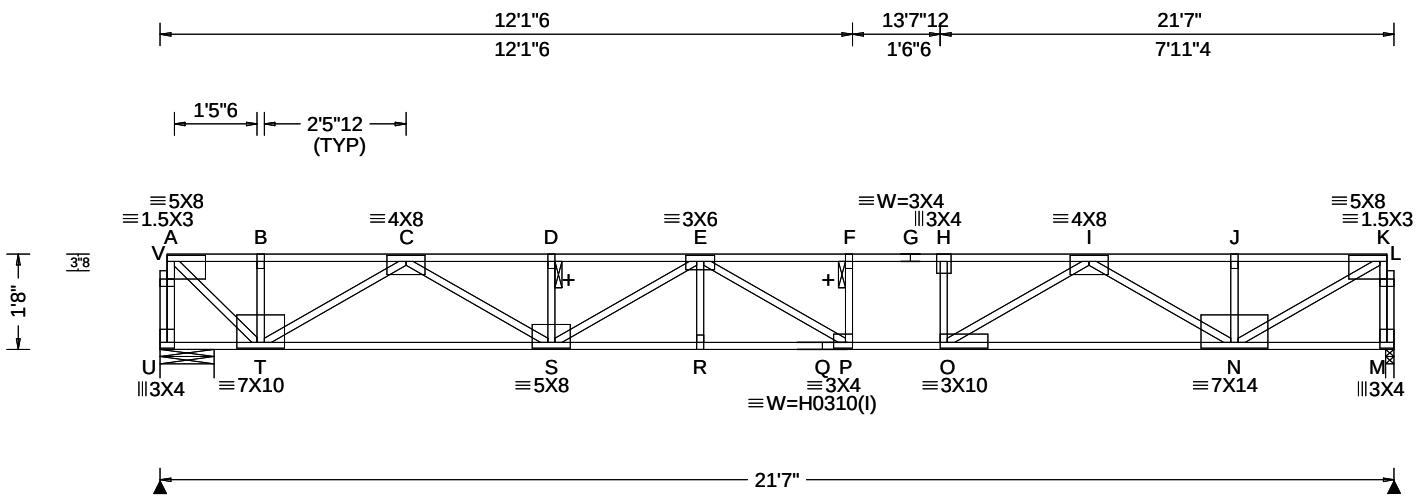
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 2005 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05Q	Cust: R 9490 JRef:1WP794900001 T37 DrwNo: 282.19.0926.06983 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.351	F	725	360
VERT(TL): 0.748	F	341	240
HORZ(LL): 0.050	B	-	-
HORZ(TL): 0.107	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.672
Max BC CSI: 0.822
Max Web CSI: 0.598

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
U	1197	/-	/-		/-	/-	/-
M	1192	/-	/-		/-	/-	/-
U	Brg Width = 11.3			Min Req = 1.5			
M	Brg Width = 1.7			Min Req = 1.5			

Bearings U & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1159	F - G	0	-3927
B - C	0	-1159	G - H	0	-3927
C - D	0	-3551	H - I	0	-3911
D - E	0	-3551	I - J	0	-1824
E - F	0	-3926	J - K	0	-1824

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	2580	0	Q - P	4090	0
S - R	4090	0	P - O	3927	0
R - Q	4090	0	O - N	3043	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - U	0	-1198	H - O	0	-398
A - V	0	-1190	O - I	1021	0
A - T	1624	0	I - N	0	-1426
T - C	0	-1662	N - K	2120	0
C - S	1135	0	K - L	0	-1190
S - E	0	-627	L - M	0	-1195

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.
(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Deflection
Max JT VERT DEFL: LL: 0.35" DL: 0.40". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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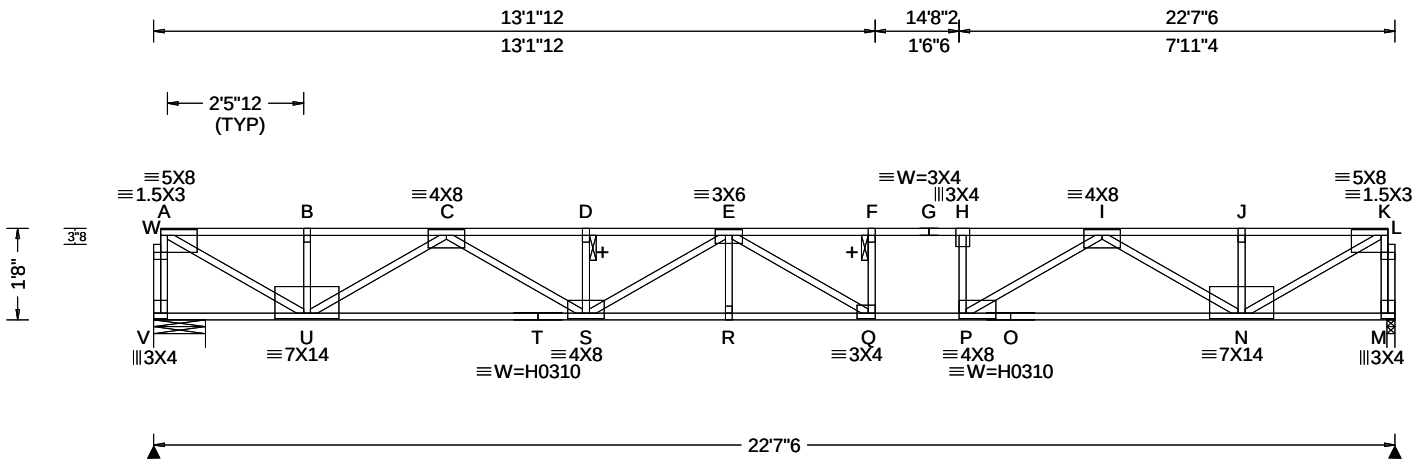
ALPINE™ AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1695 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05R	Cust: R 9490 JRef:1WP794900001 T52 DrwNo: 282.19.0926.08140 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.420	Q	636	360
VERT(TL): 0.893	Q	299	240
HORZ(LL): 0.055	B	-	-
HORZ(TL): 0.118	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.811
Max BC CSI: 0.962
Max Web CSI: 0.630

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
V	1255	/-	/-	/-	/-	/-
M	1250	/-	/-	/-	/-	/-

V Brg Width = 11.3 Min Req = 1.5
M Brg Width = 1.7 Min Req = 1.5
Bearings V & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1903	F - G	0	-4245
B - C	0	-1903	G - H	0	-4245
C - D	0	-4097	H - I	0	-4227
D - E	0	-4097	I - J	0	-1921
E - F	0	-4246	J - K	0	-1921

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	3217	0	Q - P	4245	0
T - S	3217	0	P - O	3237	0
S - R	4546	0	O - N	3237	0
R - Q	4546	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
W - V	0	-1247	H - P	0	-446
A - W	0	-1239	P - I	1165	0
A - U	2212	0	I - N	0	-1539
U - C	0	-1536	N - K	2232	0
C - S	1029	0	K - L	0	-1246
S - E	0	-522	L - M	0	-1252

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.42" DL: 0.47". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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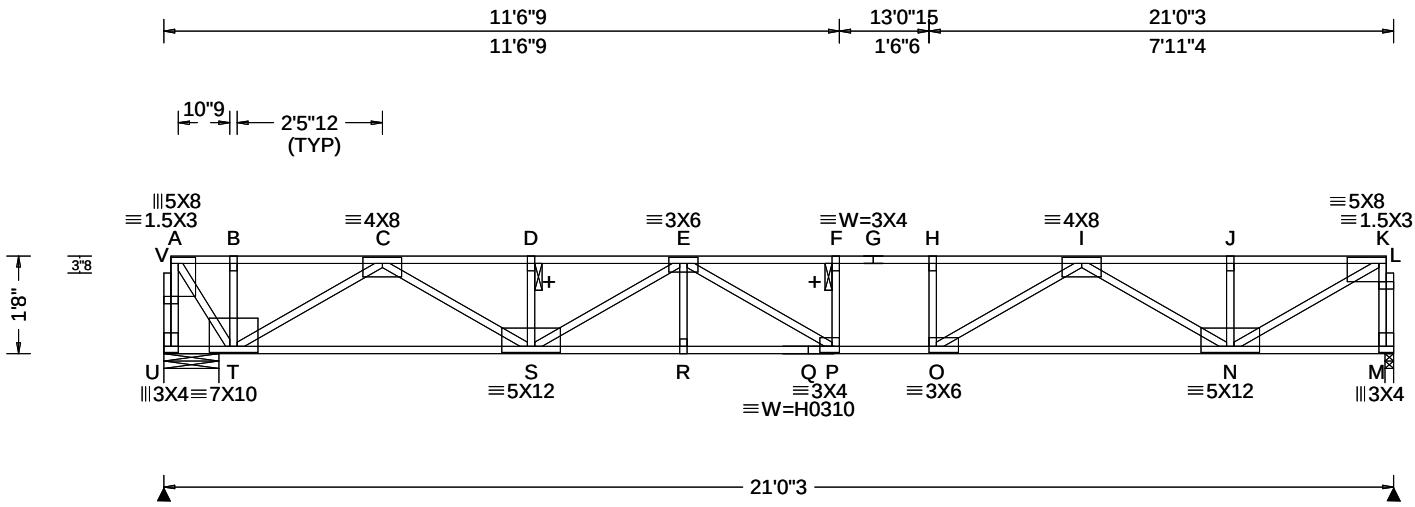
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1690 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05S		Cust: R 9490 JRef:1WP794900001 T15 DrwNo: 282.19.0926.09537 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.320	F	775	360
VERT(TL): 0.681	F	364	240
HORZ(LL): 0.047	B	-	-
HORZ(TL): 0.099	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.597
Max BC CSI: 0.745
Max Web CSI: 0.581

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	1165	/-	/-	/-	/-	/-
M	1161	/-	/-	/-	/-	/-

U Brg Width = 11.3 Min Req = 1.5
M Brg Width = 1.7 Min Req = 1.5
Bearings U & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-754	F - G	0	-3752
B - C	0	-754	G - H	0	-3752
C - D	0	-3252	H - I	0	-3737
D - E	0	-3252	I - J	0	-1771
E - F	0	-3750	J - K	0	-1771

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	2229	0	Q - P	3840	0
S - R	3840	0	P - O	3752	0
R - Q	3840	0	O - N	2937	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - U	0	-1174	O - I	942	0
A - V	0	-1166	I - N	0	-1364
A - T	1382	0	N - K	2059	0
T - C	0	-1724	K - L	0	-1159
C - S	1197	0	L - M	0	-1164
S - E	0	-683			

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.32" DL: 0.36". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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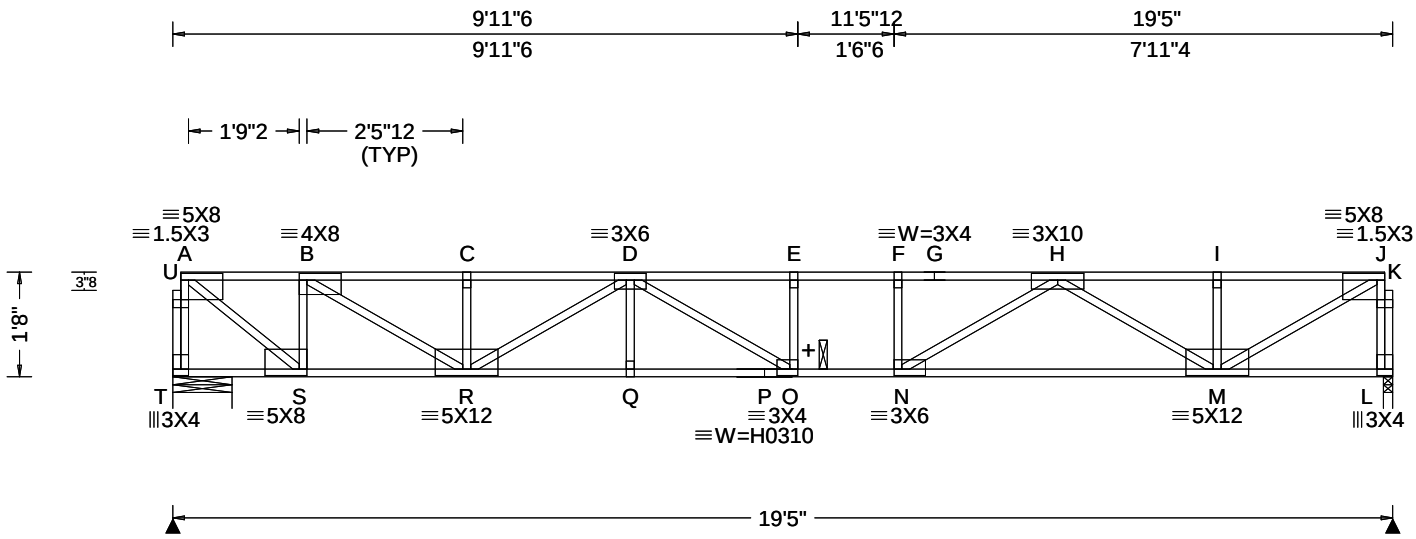
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1684 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05T	Cust: R 9490 JRef:1WP794900001 T35 DrwNo: 282.19.0926.10580 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.259	E	885	360
VERT(TL): 0.550	E	416	240
HORZ(LL): 0.039	B	-	-
HORZ(TL): 0.085	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.855
Max BC CSI: 0.706
Max Web CSI: 0.532

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1076	/-	/-	/-	/-	/-
L	1071	/-	/-	/-	/-	/-
T	Brg Width = 11.3			Min Req = 1.5		
L	Brg Width = 1.7			Min Req = 1.5		

Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1167	F - G	0	-3247
B - C	0	-2402	G - H	0	-3247
C - D	0	-2402	H - I	0	-1621
D - E	0	-3253	I - J	0	-1621
E - F	0	-3259			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	1245	0	P - O	3138	0
R - Q	3138	0	O - N	3259	0
Q - P	3138	0	N - M	2640	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - T	0	-1070	D - O	436	-154
A - U	0	-1062	N - H	825	0
A - S	1529	0	H - M	0	-1191
S - B	0	-967	M - J	1884	0
B - R	1353	0	J - K	0	-1070
R - D	0	-855	K - L	0	-1076

Lumber
Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.26" DL: 0.36". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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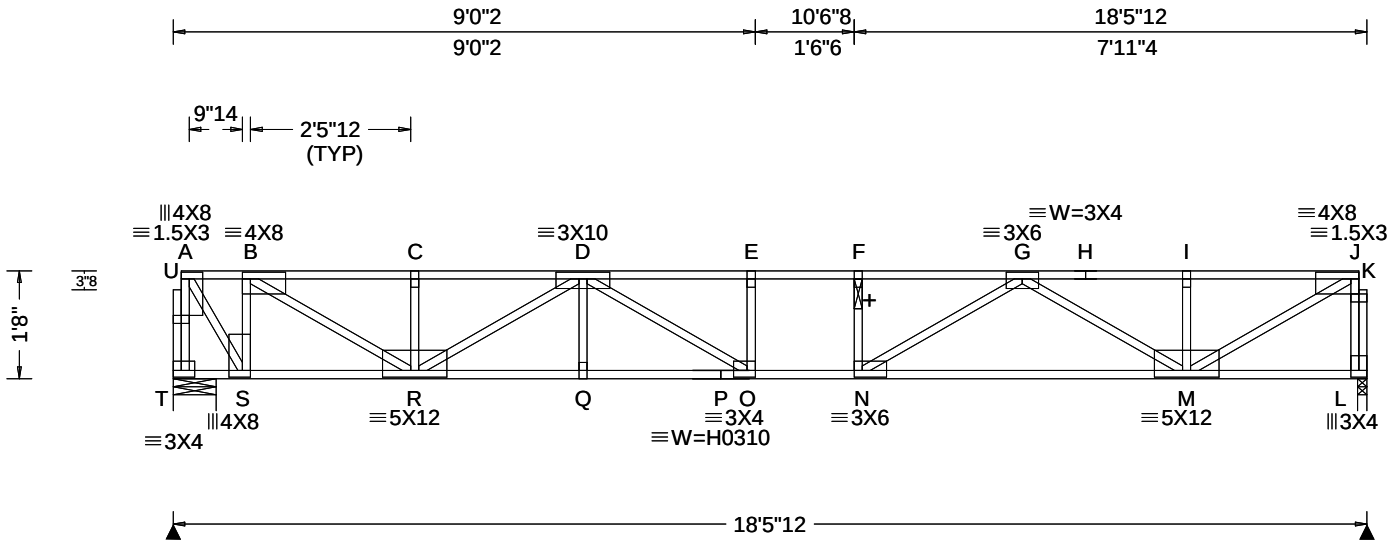
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1693 SY42 FROM:	Ply: 1 Qty: 8	**Job Number:** J29203M - **Truss Label:** F05U		Cust: R 9490 JRef:1WP794900001 T5 DrwNo: 282.19.0926.11943 / BAF 10/09/2019



Loading Criteria (psf)
TCLL: 40.00
TCDL: 25.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 70.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.194	E	999	360
VERT(TL): 0.413	E	527	240
HORZ(LL): 0.028	B	-	-
HORZ(TL): 0.064	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.413
Max BC CSI: 0.537
Max Web CSI: 0.503

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1024	/-	/-	/-	/-	/-
L	1019	/-	/-	/-	/-	/-
T	Brg Width = 8.0			Min Req = 1.5		
L	Brg Width = 1.7			Min Req = 1.5		

Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-575	F - G	0	-2961
B - C	0	-1911	G - H	0	-1534
C - D	0	-1911	H - I	0	-1534
D - E	0	-2964	I - J	0	-1534
E - F	0	-2971			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	655	0	P - O	2721	0
R - Q	2721	0	O - N	2971	0
Q - P	2721	0	N - M	2462	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - T	0	-1022	D - O	519	-18
A - U	0	-1014	N - G	713	0
A - S	1156	0	G - M	0	-1085
S - B	0	-987	M - J	1783	0
B - R	1469	0	J - K	0	-1020
R - D	0	-941	K - L	0	-1025

Lumber
Top chord 4x2 SPF 2100f-1.8E
Bot chord 4x2 SPF 2100f-1.8E
Webs 4x2 SPF #1/#2

Plating Notes
All plates are 1.5X3 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.19" DL: 0.27". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
Refer to General Notes for additional information
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

10/09/2019

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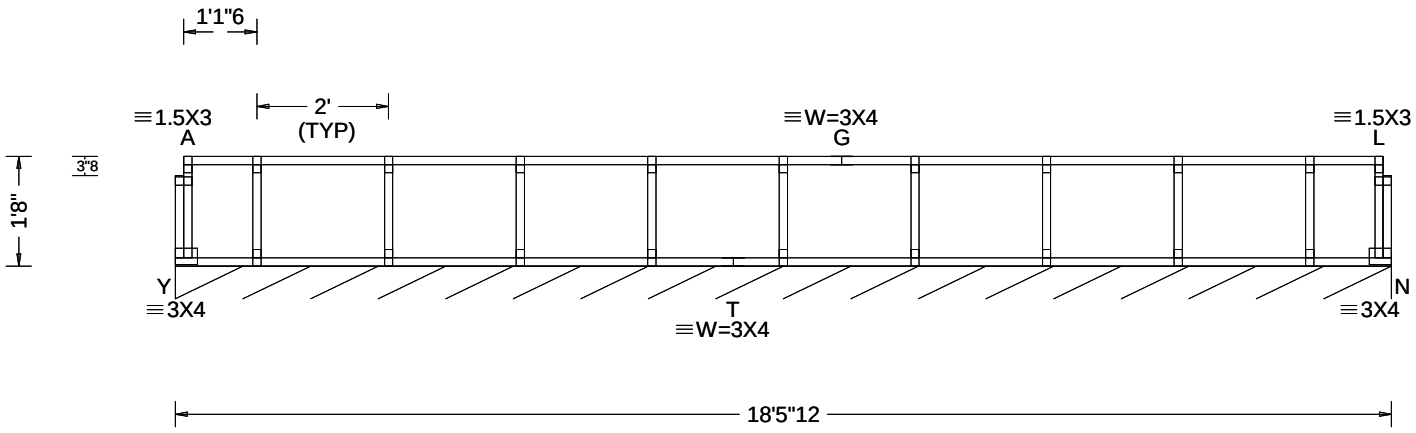
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 1511 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** J29203M - **Truss Label:** F05V	Cust: R 9490 JRef:1WP794900001 T27 DrwNo: 282.19.0926.16130 / BAF 10/09/2019



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 40.00 TCDL: 25.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 70.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 19.2 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: IBC 2012 TPI Std: 2007 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 J 999 360 VERT(TL): 0.001 J 999 240 HORZ(LL): -0.000 B - - HORZ(TL): -0.000 B - - Creep Factor: 1.5 Max TC CSI: 0.162 Max BC CSI: 0.013 Max Web CSI: 0.033 VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N*	111	/-	/-	/-	/-	/-
N	Brg Width = 221			Min Req = -		

Bearing Y is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 4x2 SPF #1/#2
Bot chord 4x2 SPF #1/#2
Webs 4x2 SPF #1/#2

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 1.5X3 except as noted.

Additional Notes

Refer to General Notes for additional information

Truss must be installed as shown with top chord up.

10/09/2019

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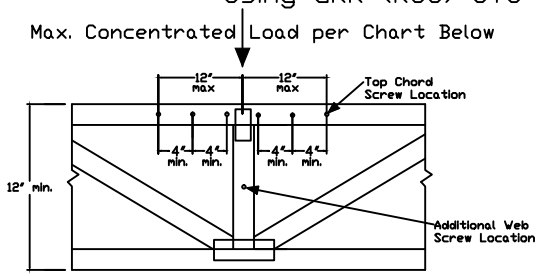
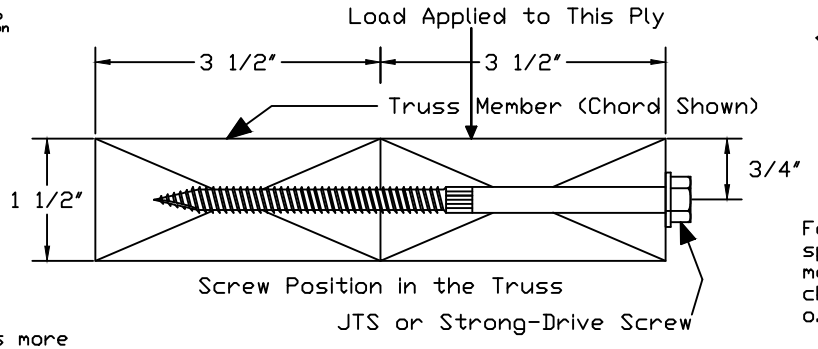
ALPINE AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

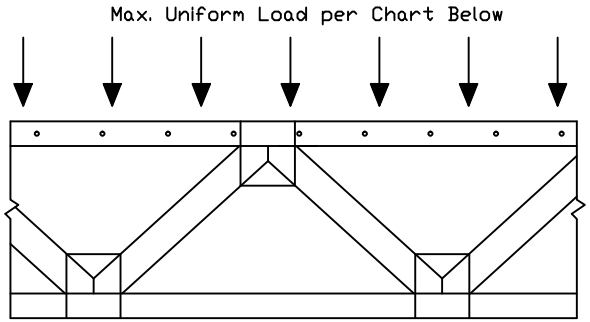
System 42 Ply to Ply Connection Detail

Using GRK (RSS) JTS 1/4x6-3/4 or Simpson SDS25600 or SDW22634 Strong Drive Screws or Equal.



Refer to Alpine sealed drawing for individual truss design.





Apply screws to top chord within 12" of the concentrated load location @ 4" o.c., min, evenly distributing them to each side of the concentrated load. A maximum of 6 screws may be applied to the top chord for each concentrated load.

For double top chords, evenly distribute the screws over both top chords, using same spacing guidelines specified above. The max number of top chord screws is 6 per chord member for a total maximum of 12 screws.

If the concentrated load connection requires more screws than 6 per top chord member and the load is located at a panel point where webs intersect the top chord, the remainder of required screws may be applied to those webs below the concentrated load location evenly spaced @ 4" o.c., min, keeping the 3" min end distances. Each additional screw is worth 474 lb for SP webs, 442 lb for DFL webs, and 400 lb for SPF webs.

For single top chord, see chart below for screw spacing. For double top chord the screw spacing may be doubled (but may not exceed 24" o.c. per chord). Screw spacing shall be offset by 1/2 the o.c. spacing in each chord.

Screws need only apply to the extents of that load.

For chord sections supporting less than 100 plf apply one screw at each top chord joint location.

# of Screws	Maximum Concentrated Load (lbs) (1.00 DF)		
	SP	DFL	SPF
1	474	442	400
2	984	884	800
3	1422	1326	1200
4	1896	1768	1600
5	2370	2210	2000
6	2844	2652	2400
7	3318	3094	2800
8	3792	3536	3200
9	4266	3978	3600
10	4740	4420	4000
11	5214	4862	4400
12	5688	5304	4800

General Notes:

1. Screws centered along the 1.5" dimension of the 4x2 member.
2. Minimum end distance of 3".
3. Screws installed with head in loaded member.
4. Gap between plies not to exceed 1/8".
5. Screw location may be adjusted up to 1" to avoid conflict with other hardware or to avoid lumber defects.
6. Do not install screws in areas where lumber wane exceeds 1/4".
7. Equal loads from both faces or loads that are evenly distributed to each ply do not require connections per this detail.
8. For 3x2 members use GRK (RSS) JTS 1/4x5 screws, or Simpson's SDS25412 or SDW22500 screws or equal.
9. Contact Alpine for special connect[illegible] this detail.

Top Chord Screw o.c. Spacing (inch)	Maximum Uniform Load (plf) Along Top Chord (1.00 DF)		
	SP	DFL	SPF
4	1422	1326	1200
6	948	884	800
8	711	663	600
10	568	530	480
12	474	442	400
14	406	378	342
16	355	331	300
18	316	294	266
20	284	265	240
22	258	241	218
24	237	221	200

ALPINE AN ITW COMPANY

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Maryland Heights, MO 63043

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REGISTERED PROFESSIONAL ENGINEER
REG. NO. 4700
BRUCE ALAN FELDMANN
SOUTH DAKOTA
COA #C-935

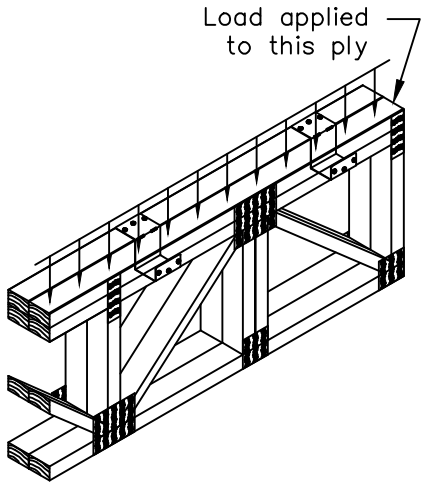
10/09/2019

TC LL	PSF	REF SY42 Connection
TC DL	PSF	DATE 01/19/2018
BC DL	PSF	DRWG CNSY42PL0118
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		

SY32/SY42 PLY TO PLY LSC CONNECTION DETAIL

FOR DOWNWARD LOADS ONLY

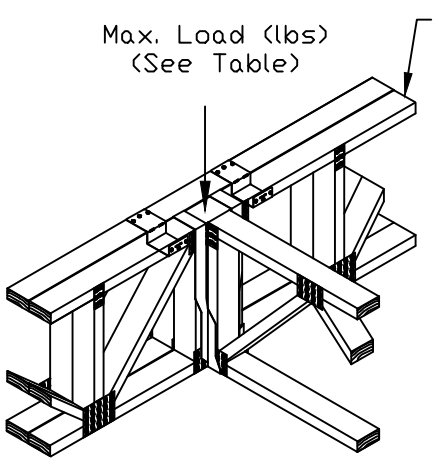
Uniform Load Application



Max. T.C. Uniform Load (plf)			Clip Spacing Along Top Chord
SP	DF	SPF/HF	
935	810	585	12" o.c.
625	540	390	18" o.c.
470	405	295	24" o.c.
375	325	235	30" o.c.

Maximum LSC spacing is 30" o.c.

Concentrated Load Application



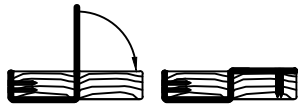
Max Load (lbs)		
SP	DF	SPF/HF
1870	1620	1170

Note:
Install LSC adjacent, equidistant, and not more than 6" on each side of concentrated load.

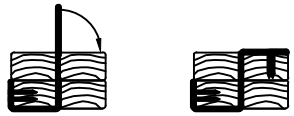
Installation Instructions:

1. Position and attach LSC to loaded ply with (3) 0.131"x1.5" nails into narrow face.

2. Bend clip over adjacent ply and attach with (3) 0.131"x1.5" nails into wide face.



LSC42 for single 4x2 chords
LSC32 for single 3x2 chords



LSC42-2 for stacked 4x2 chords
LSC32-2 for stacked 3x2 chords

Refer to Alpine sealed draw truss design.

ALPINE™
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13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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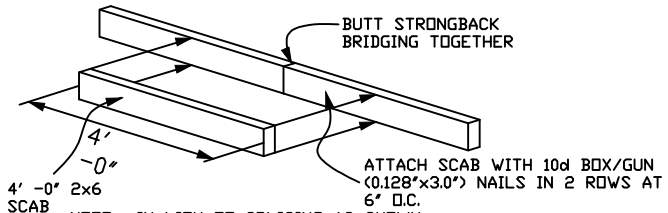
REGISTERED PROFESSIONAL ENGINEER
REG. NO. 4700
BRUCE ALAN FELDMANN
SOUTH DAKOTA
COA #C-935

10/09/2019

DUR. FAC. ALL

REF	SY42 Connection
DATE	10/01/14
DRWG	LSCSYX2A1014

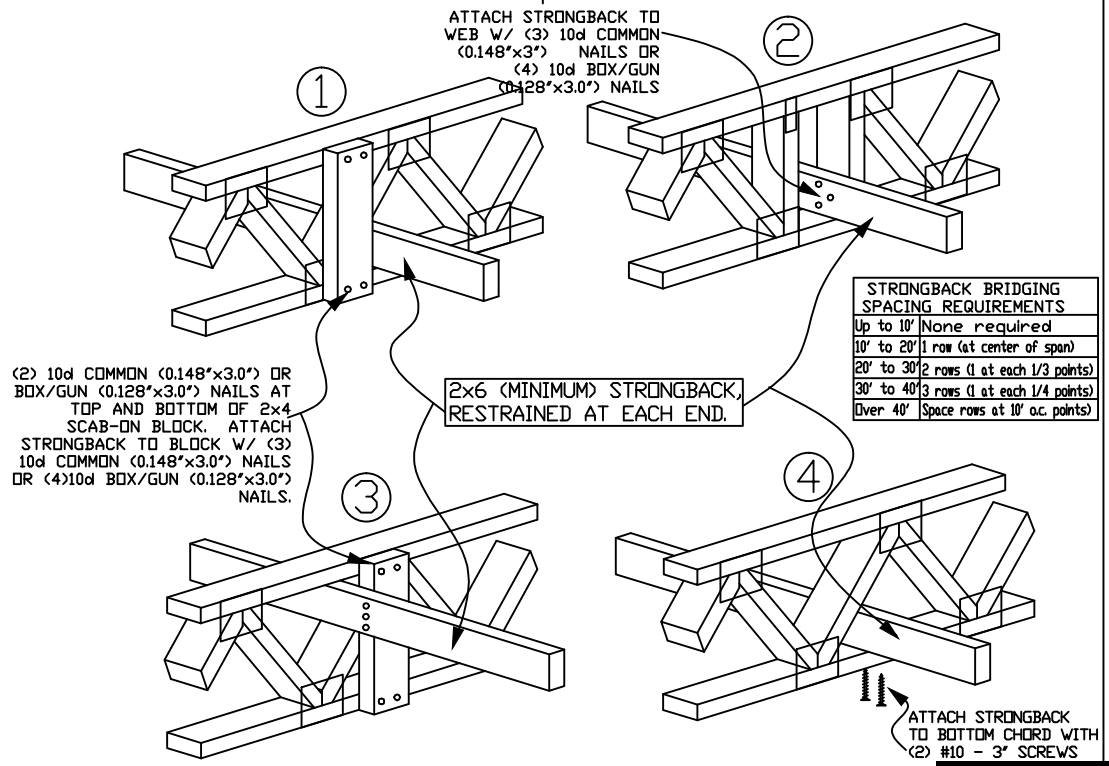
STRONGBACK BRIDGING RECOMMENDATIONS



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

STRONGBACK BRIDGING SPLICE DETAIL

NOTE: Details 1 and 2 are the preferred attachment methods



STRONGBACK BRIDGING SPACING REQUIREMENTS	
Up to 10'	None required
10' to 20'	1 row (at center of span)
20' to 30'	2 rows (1 at each 1/3 points)
30' to 40'	3 rows (1 at each 1/4 points)
Over 40'	Space rows at 10' o.c. points)

STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

- All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
- All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
- The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10' -0" o.c. (max.)
- The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by Alpine.

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Ref follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) f practices prior to performing these functions. Installers shall provide temporary bracing p Unless noted otherwise, top chord shall have properly attached structural sheathing and b shall have a properly attached rigid ceiling. Locations shown for permanent lateral restrai shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to 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 d this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of profess engineering responsibility solely for the design shown. The suitability and use of this drawin 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.org; ICC: www.iccsaf

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 4700
BRUCE ALAN FELDMANN
SOUTH DAKOTA
COA #C-935

10/09/2019

TC LL	PSF	REF STRONGBACK
TC DL	PSF	DATE 10/01/14
BC DL	PSF	DRWG STRBRIBR1014
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		

Commentary: Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits	
		Live Load	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)

Truss Type	Recommended Camber
Pitched Trusses	1.00 x Deflection from Actual Dead Load
Sloping Parallel Chord Trusses	1.5 x Vertical Deflection from Actual Dead Load
Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load
Flat Roof Trusses	(0.25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection)

Note: The actual dead load may be considerably less than the design dead load.

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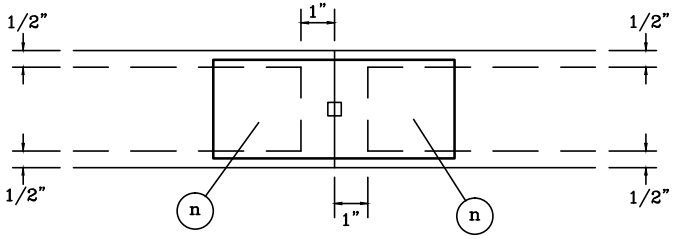
COA #C-935

10/09/2019

REF	DEFLEC/CAMB
DATE	10/01/14
DRWG	DEFLCAMB1014

TRULOX INFORMATION DETAIL

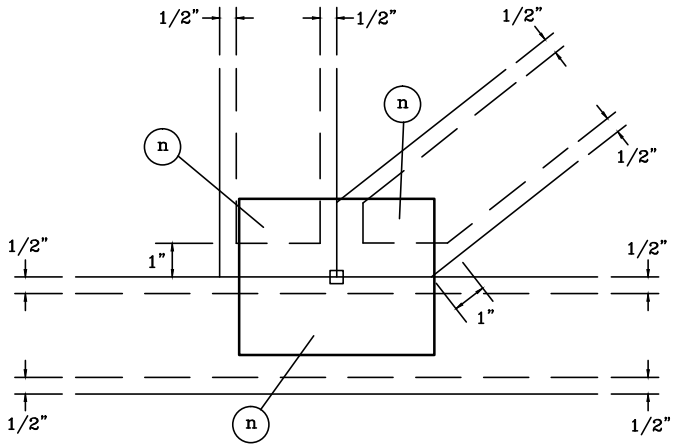
TYPICAL OFF PANEL SPLICE



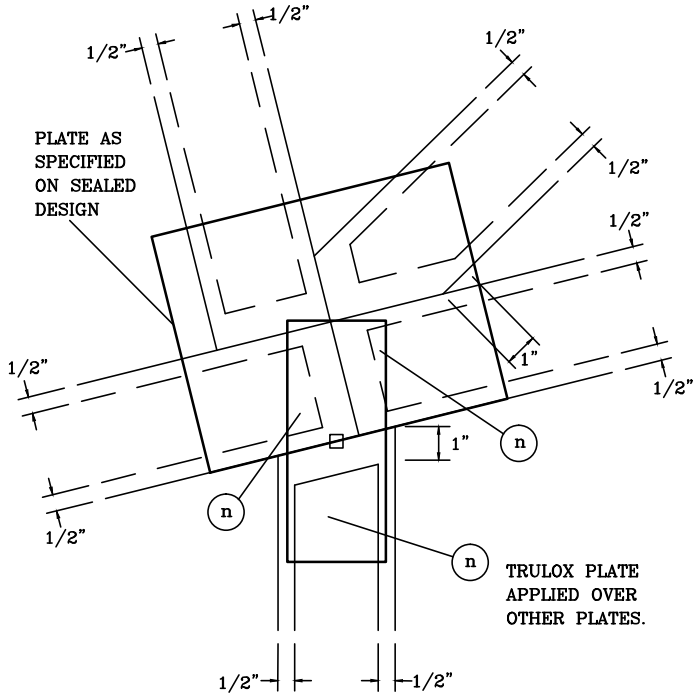
DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

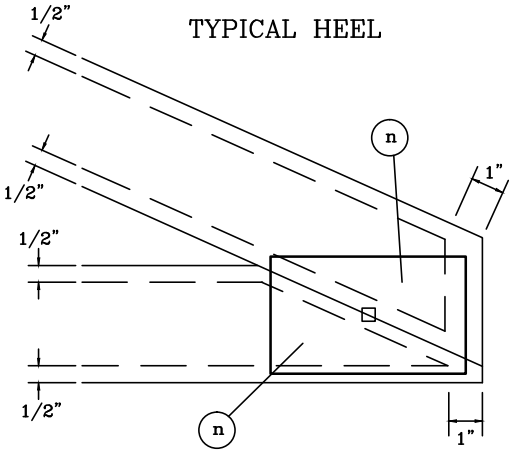
TYPICAL PANEL POINT WITHOUT SPLICE



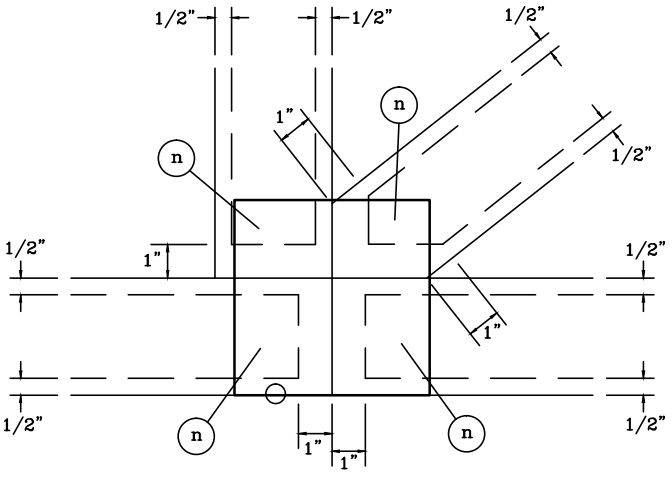
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



NOTES:
(n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER
PER PLY AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAI
○ LOCATES PLATE CORNER OR FLUSH EDGE.
□ LOCATES PLATE CENTER.

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TRULOX PLATING

160 TL

PAGE 1 OF 1

DATE 10/01/14