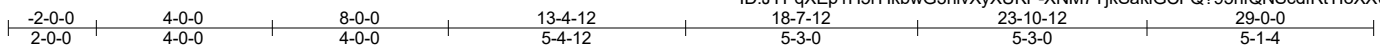


Job 18-103069T	Truss A01	Truss Type Half Hip Girder	Qty 1	Ply 2	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-------------------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402
 8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:42 2018 Page 1
 ID:JYPqXE1H5YIkbwG3nivXyXUKP-XNM7YjkSakiGCFQ?95hfQNScdfRtIoXXUaG1XySSpF



Scale = 1:52.3

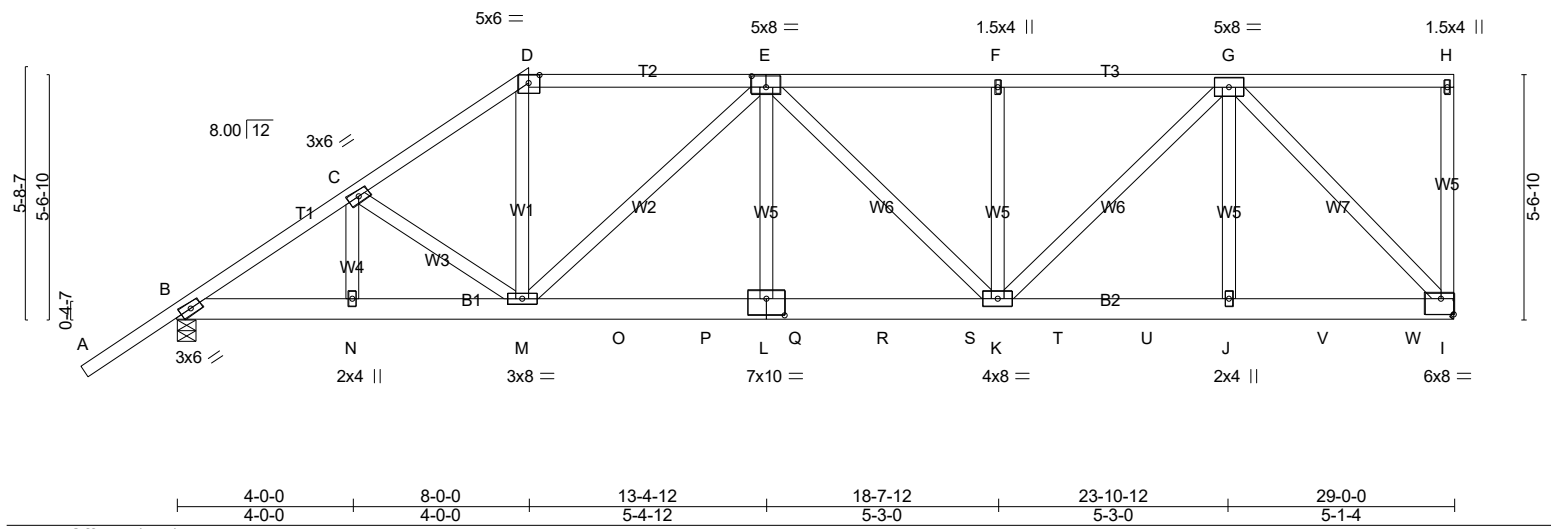


Plate Offsets (X,Y)--	[D:0-3-0,0-2-3], [E:0-4-0,0-3-0], [I:Edge,0-4-4], [L:0-5-0,0-4-8]
-----------------------	---

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.19	Vert(LL) -0.12	K-L	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.33	Vert(CT) -0.17	K-L	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.83	Horz(CT) 0.05	I	n/a	n/a		
BCDL 7.0	Rep Stress Incr NO	Matrix-SH	Wind(LL) 0.10	L-M	>999	240		
	Code IRC2015/TPI2014						Weight: 371 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-H.
BOT CHORD 2x6 DF 1800F 1.6E or 2x6 DF SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 DF Stud/Std *Except*	
W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	

REACTIONS. (lb/size) I=3469/Mechanical, B=3113/0-5-8 (min. 0-1-11)
 Max Horz B=262(LC 8)
 Max Uplift=-1531(LC 5), B=-1172(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-4756/1903, C-D=-4707/2019, D-E=-3821/1688, E-F=-4470/1973, F-G=-4470/1973
 BOT CHORD B-N=-1639/3829, M-N=-1639/3829, M-O=-2149/4865, O-P=-2149/4865, L-P=-2149/4865,
 L-Q=-2149/4865, Q-R=-2149/4865, R-S=-2149/4865, K-S=-2149/4865, K-T=-1252/2838,
 T-U=-1252/2838, J-U=-1252/2838, J-V=-1252/2838, V-W=-1252/2838, I-W=-1252/2838
 WEBS C-M=-302/268, D-M=-1004/2232, E-M=-1522/692, E-L=-403/907, E-K=-555/267, F-K=-373/163,
 G-K=-1012/2293, G-J=-408/920, G-I=-4070/1796

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=15mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1531 lb uplift at joint I and 1172 lb uplift at joint B.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 877 lb up and 504 lb up at 8-0-0, 301 lb down and 168 lb up at 10-0-12, 301 lb down and 168 lb up at 12-0-12, 301 lb down and 168 lb up at 14-0-12, 301 lb down and 168 lb up at 16-0-12, 301 lb down and 168 lb up at 18-0-12, 301 lb down and 168 lb up at 20-0-12, 301 lb down and 168 lb up at 22-0-12, 301 lb down and 168 lb up at 24-0-12, and 301 lb down and 168 lb up at 26-0-12, and 303 lb down and 166 lb up at 28-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	A01	Half Hip Girder	1	2	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:43 2018 Page 2
 ID:JYPqXEp1H5IYIkbwG3nivXyXUKP-?awV13k4L1t7qO_BjpCuzb_nN3n6C11gm8KqZzySSpE

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: A-D=-74, D-H=-74, B-I=-14

Concentrated Loads (lb)

Vert: M=-877(F) J=-301(F) O=-301(F) P=-301(F) Q=-301(F) R=-301(F) S=-301(F) T=-301(F) U=-301(F) V=-301(F) W=-303(F)

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	A02	Hip	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:44 2018 Page 1
 ID: JYPqXEp1H5IYIkbwG3nivXyXUKP-TmUuzPli5L?zRYZNHwJ7VoXxNT44xKzq?o3N5QySSpD



Scale = 1:51.2

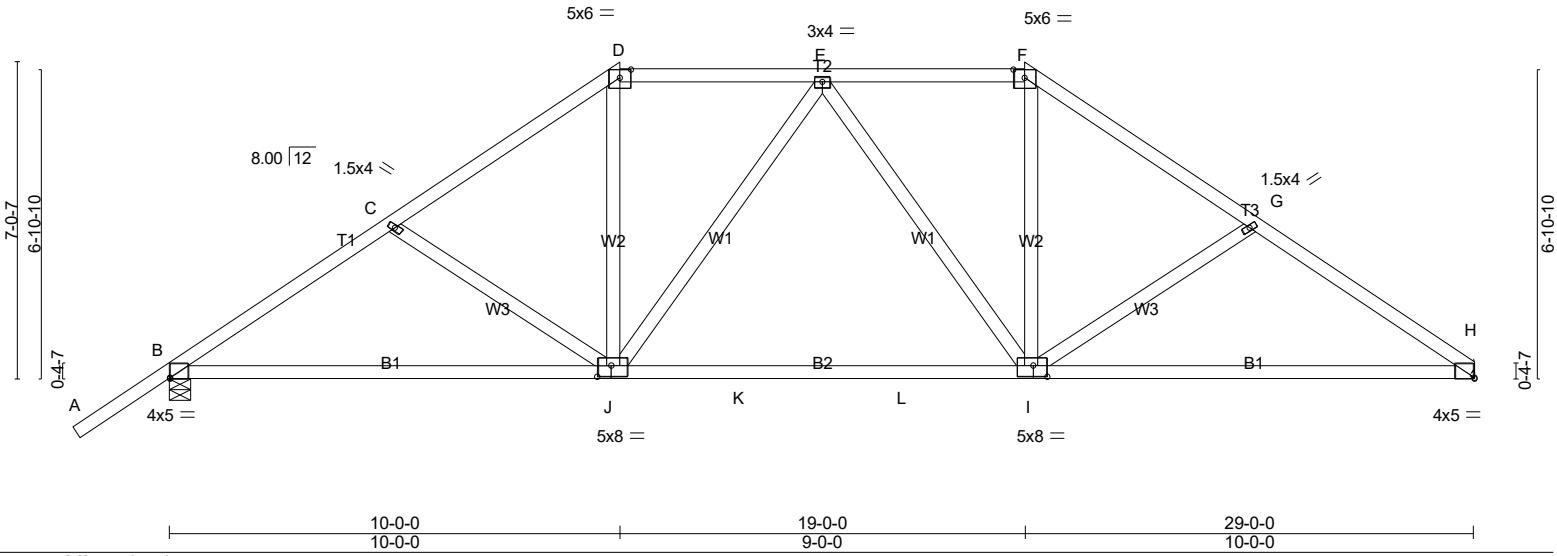


Plate Offsets (X,Y)-- [B:Edge,0-0-4], [D:0-3-0,0-2-3], [F:0-3-0,0-2-3], [H:0-0-0,0-0-4], [I:0-3-12,0-3-0], [J:0-3-12,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.31	Vert(LL) -0.25	I-J	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.48	Vert(CT) -0.33	I-J	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.34	Horz(CT) 0.06	H	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.06	H-I	>999	240		
	Code IRC2015/TPI2014						Weight: 142 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std *Except*
 W1: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 4-6-6 oc purlins, except 2-0-0 oc purlins (5-10-2 max.): D-F.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) H=1256/Mechanical, B=1441/0-5-8 (min. 0-1-9)
 Max Horz B=197(LC 7)
 Max Uplift H=-221(LC 9), B=-286(LC 8)

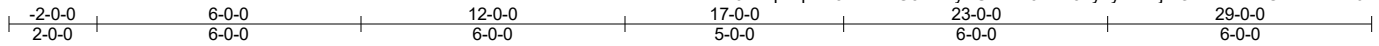
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1894/324, C-D=-1590/266, D-E=-1225/274, E-F=-1248/286, F-G=-1624/283, G-H=-1939/352
 BOT CHORD B-J=-302/1469, J-K=-213/1373, K-L=-213/1373, L-I=-213/1373, H-I=-219/1554
 WEBS C-J=-298/217, D-J=-54/496, E-J=-385/190, E-I=-357/186, F-I=-55/522, G-I=-362/243

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCCL = 7.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint H and 286 lb uplift at joint B.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 18-103069T	Truss A03	Truss Type Hip	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:46 2018 Page 1
 ID:JYPqXEp1H5YIkbwG3nivXyXUKP-P9beN5nydyFhhsjmOxlbaDcFzGobPDv7S6YUAlYSSpB



Scale = 1:52.4

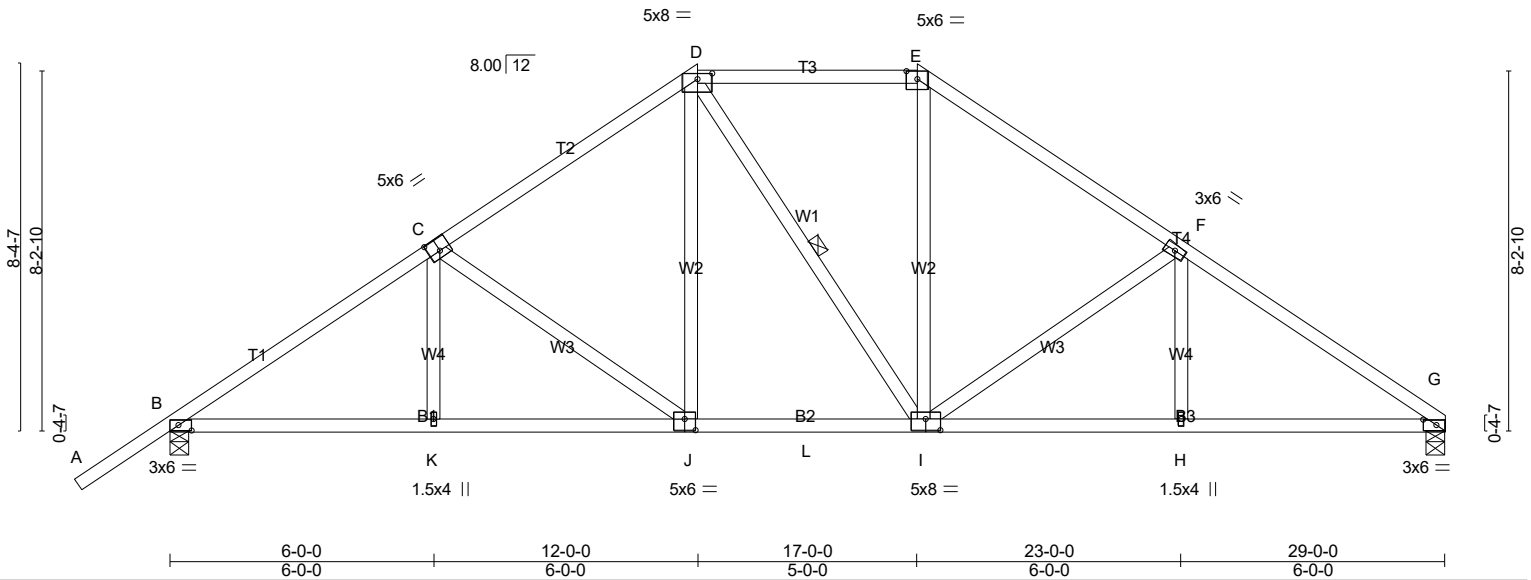


Plate Offsets (X,Y)--	[B:0-3-9,0-1-8], [C:0-3-0,0-3-4], [D:0-4-0,0-1-9], [E:0-3-0,0-2-3], [G:0-3-9,0-1-8], [I:0-4-0,0-3-0], [J:0-3-0,0-3-0]
-----------------------	---

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.36	Vert(LL) -0.08	I-J	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.35	Vert(CT) -0.12	I-J	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.44	Horz(CT) 0.06	G	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.04	G-H	>999	240		
	Code IRC2015/TPI2014						Weight: 151 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD Sheathed or 4-6-1 oc purlins, except
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	2-0-0 oc purlins (6-0-0 max.): D-E.
WEBS 2x4 DF Stud/Std *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
W2,W1: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	WEBS 1 Row at midpt D-I

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) G=1249/0-5-8 (min. 0-1-8), B=1434/0-5-8 (min. 0-1-8)
 Max Horz B=232(LC 7)
 Max Uplift G=-235(LC 9), B=-301(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1890/318, C-D=-1444/290, D-E=-1094/306, E-F=-1453/297, F-G=-1931/344
 BOT CHORD B-K=-309/1451, J-K=-310/1450, J-L=-124/1090, I-L=-124/1090, H-I=-196/1495,
 G-H=-196/1495
 WEBS C-J=-452/238, D-J=-91/407, E-I=-75/367, F-I=-497/262

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint G and 301 lb uplift at joint B.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

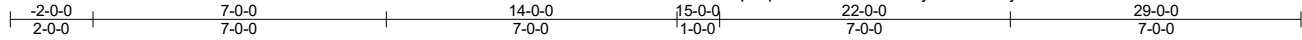
LOAD CASE(S) Standard

Job 18-103069T	Truss A04	Truss Type Hip	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:48 2018 Page 1

ID: JYPqXEp1H5YIkbwG3nivXyXUKP-MXjOonoD9aVPwAt8WMn3feiV64RLt3iQwQ1bEBySSp9



Scale = 1:55.3

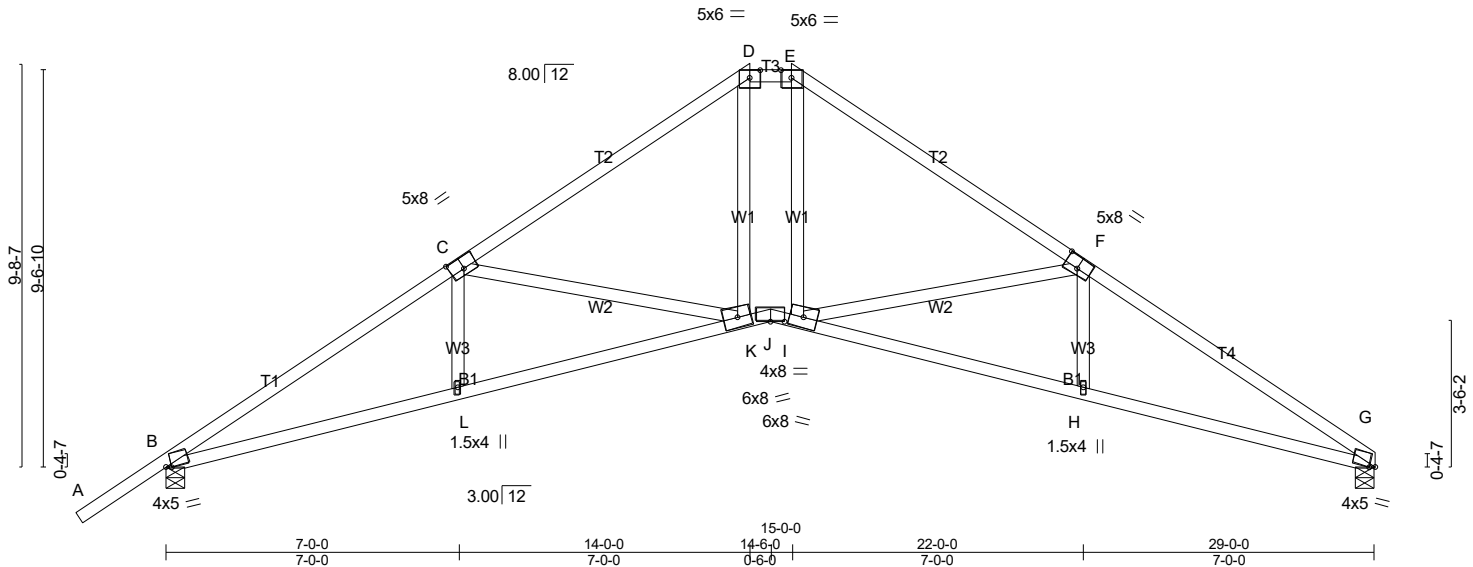


Plate Offsets (X,Y)-- [B:0-1-10,0-0-8], [C:0-4-0,0-3-4], [D:0-3-0,0-2-3], [E:0-3-0,0-2-3], [F:0-4-0,0-3-4], [G:0-1-10,0-0-8], [J:0-4-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.71	Vert(LL) -0.19	J	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.52	Vert(CT) -0.28	J	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.67	Horz(CT) 0.24	G	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.13	K-L	>999	240		
	Code IRC2015/TPI2014						Weight: 133 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except* TOP CHORD
 T3: 2x4 DF Stud/Std
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 3-3-10 oc purlins, except 2-0-0 oc purlins (3-5-6 max.): D-E.
 BOT CHORD Rigid ceiling directly applied or 9-0-11 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1434/0-5-8 (min. 0-1-8), G=1249/0-5-8 (min. 0-1-8)
 Max Horz B=267(LC 5)
 Max UpliftB=-313(LC 8), G=-247(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2791/558, C-D=-1994/352, D-E=-1517/359, E-F=-1996/390, F-G=-2842/480
 BOT CHORD B-L=-539/2251, K-L=-537/2250, J-K=-157/1471, I-J=-121/1473, H-I=-303/2299,
 G-H=-310/2307
 WEBS C-K=-722/379, D-K=-92/743, E-I=-143/750, F-I=-772/413, F-H=0/253

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Bearing at joint(s) B, G considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint B and 247 lb uplift at joint G.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

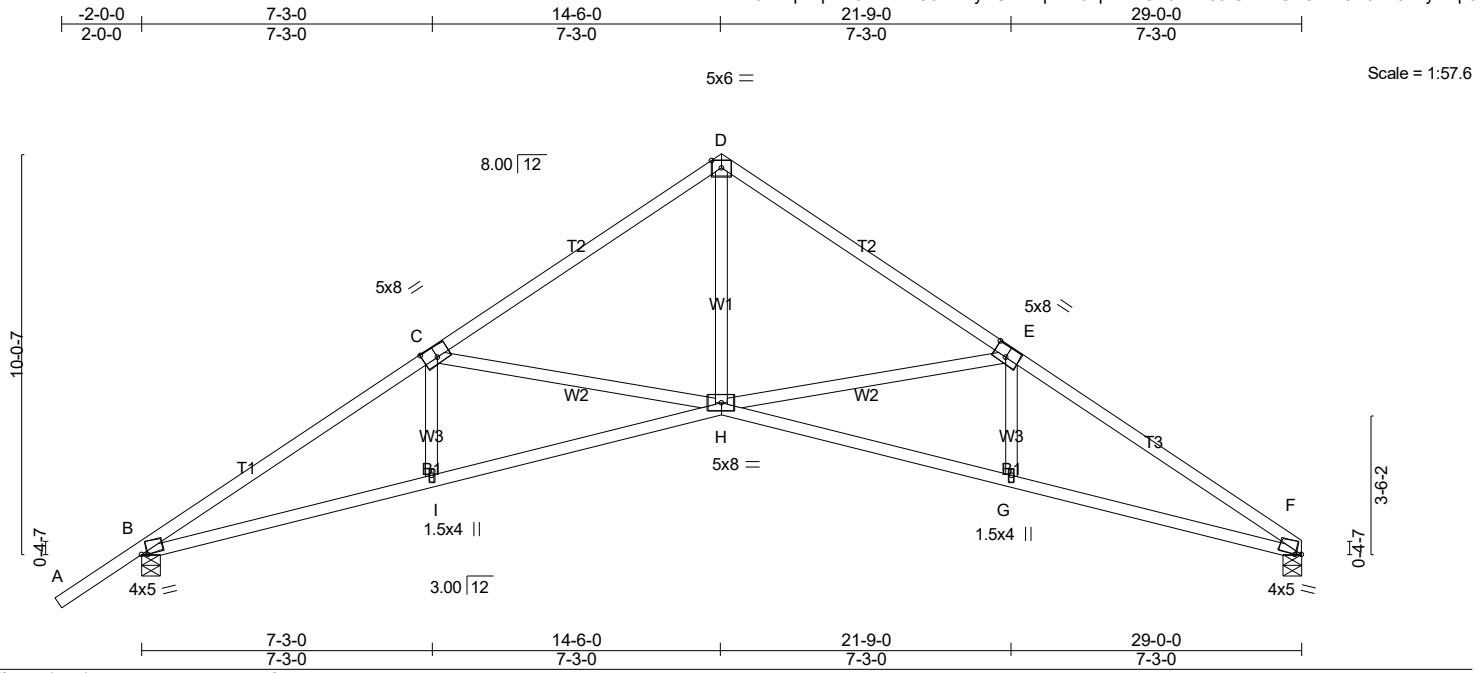
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	A05	Scissor	8	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:49 2018 Page 1

ID:JYPqXEp1H5YIkbwG3nivXyXUKP-qkHn07prwtdGYJSL43JICsEioUnGcWOZ94n8ndySSp8



Scale = 1:57.6

Plate Offsets (X,Y)-- [B:0-1-14,0-0-8], [C:0-4-0,0-3-4], [E:0-4-0,0-3-4], [F:0-1-14,0-0-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.58	Vert(LL)	-0.19	H	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.54	Vert(CT)	-0.31	H-I	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.65	Horz(CT)	0.24	F	n/a	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-SH	Wind(LL)	0.11	F-G	>999	240		
									Weight: 127 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std *Except*
 W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 3-2-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-0-2 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1434/0-5-8 (min. 0-1-8), F=1249/0-5-8 (min. 0-1-8)
 Max Horz B=277(LC 5)
 Max Uplift B=-315(LC 8), F=-249(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2788/558, C-D=-1917/354, D-E=-1918/394, E-F=-2835/473
 BOT CHORD B-I=-543/2247, H-I=-544/2242, G-H=-302/2288, F-G=-301/2300
 WEBS D-H=-247/1468, E-H=-803/416, E-G=0/278, C-H=-756/386, C-I=0/273

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) B, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint B and 249 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	A06	Scissor	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:51 2018 Page 1

ID:JYPqXE1H5YIkbwG3nivXyXUKP-m6PXrRor5SVt_ndcjBULmHHKyxHPf4QoscOGFrWYSSp6

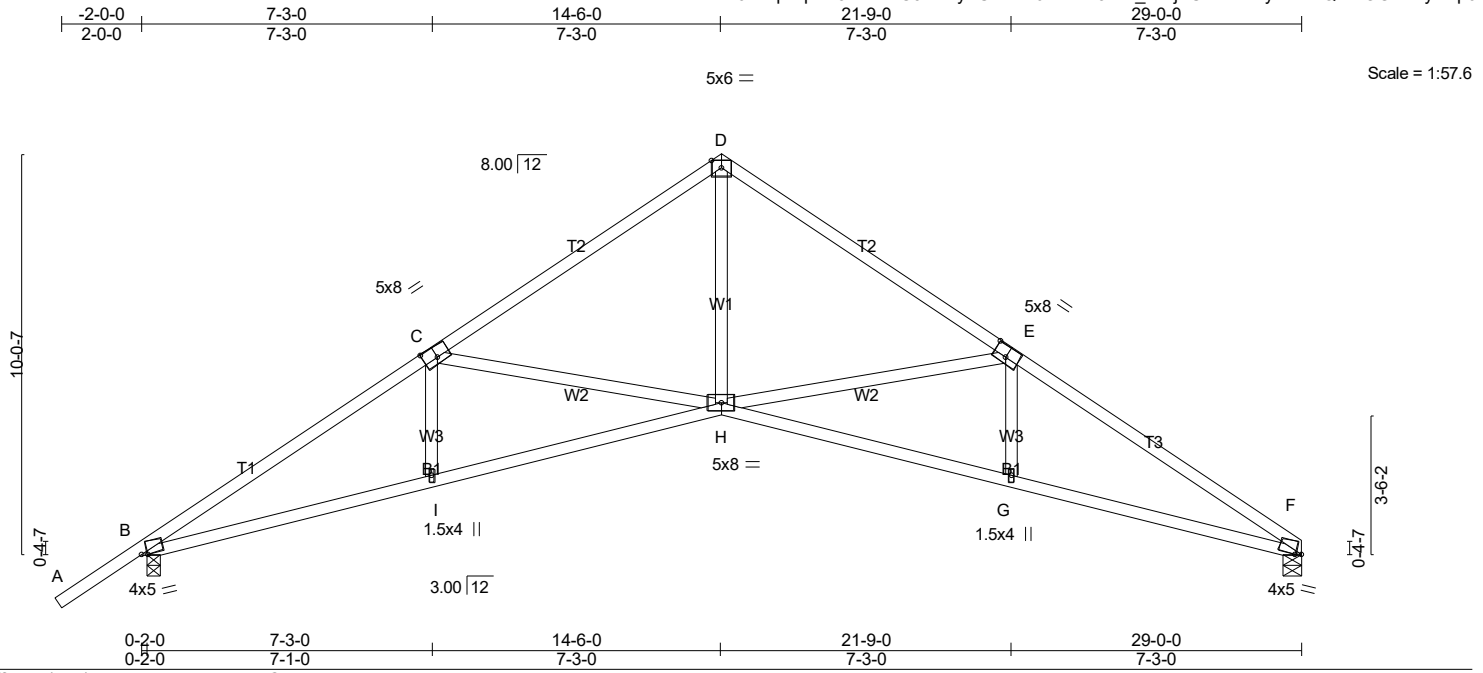


Plate Offsets (X,Y)-- [B:0-1-14,0-0-8], [C:0-4-0,0-3-4], [E:0-4-0,0-3-4], [F:0-1-14,0-0-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.99	Vert(LL) -0.19	H	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.74	Vert(CT) -0.31	H-I	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.65	Horz(CT) 0.24	F	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.11	F-G	>999	240		
	Code IRC2015/TPI2014						Weight: 127 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std *Except*
 W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 3-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-11-0 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1431/0-3-8 (min. 0-1-8), F=1253/0-5-8 (min. 0-1-8)
 Max Horz B=277(LC 5)
 Max Uplift B=-314(LC 8), F=-249(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2819/566, C-D=-1928/357, D-E=-1930/397, E-F=-2846/474
 BOT CHORD B-I=-552/2280, H-I=-553/2273, G-H=-304/2297, F-G=-304/2309
 WEBS D-H=-251/1482, E-H=-803/416, E-G=0/278, C-H=-775/392, C-I=0/275

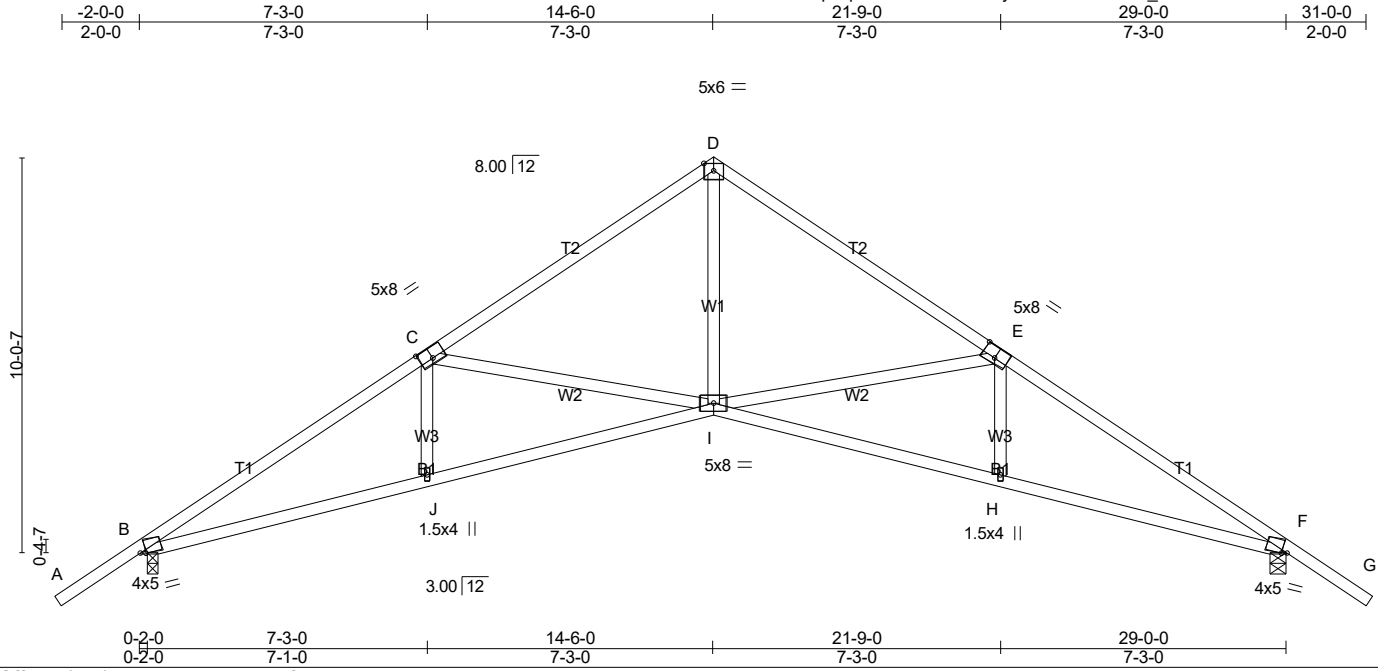
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) B, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint B and 249 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss A07	Truss Type Scissor	Qty 2	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-----------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:53 2018 Page 1
 ID:JYPqXEplH5IYkbwG3nivXyXUKP-IVVHrUsL_67i0xl6JvNEMIPiW55DYKT93hILwOySSp4



Scale = 1:58.3

Plate Offsets (X,Y)-- [B:0-1-10,0-0-8], [C:0-4-0,0-3-4], [E:0-4-0,0-3-4], [F:0-1-10,0-0-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.98	Vert(LL)	-0.19	I	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.73	Vert(CT)	-0.31	H-I	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.64	Horz(CT)	0.24	F	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL)	0.10	I	>999	240		
	Code IRC2015/TPI2014							Weight: 130 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std *Except*
 W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 3-4-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-2-14 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1424/0-3-8 (min. 0-1-8), F=1431/0-5-8 (min. 0-1-8)
 Max Horz B=-289(LC 6)
 Max Uplift B=-312(LC 8), F=-314(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2800/548, C-D=-1910/338, D-E=-1910/378, E-F=-2780/411
 BOT CHORD B-J=-513/2263, I-J=-514/2257, H-I=-257/2235, F-H=-255/2241
 WEBS D-I=-229/1458, E-I=-756/393, E-H=0/273, C-I=-775/393, C-J=0/275

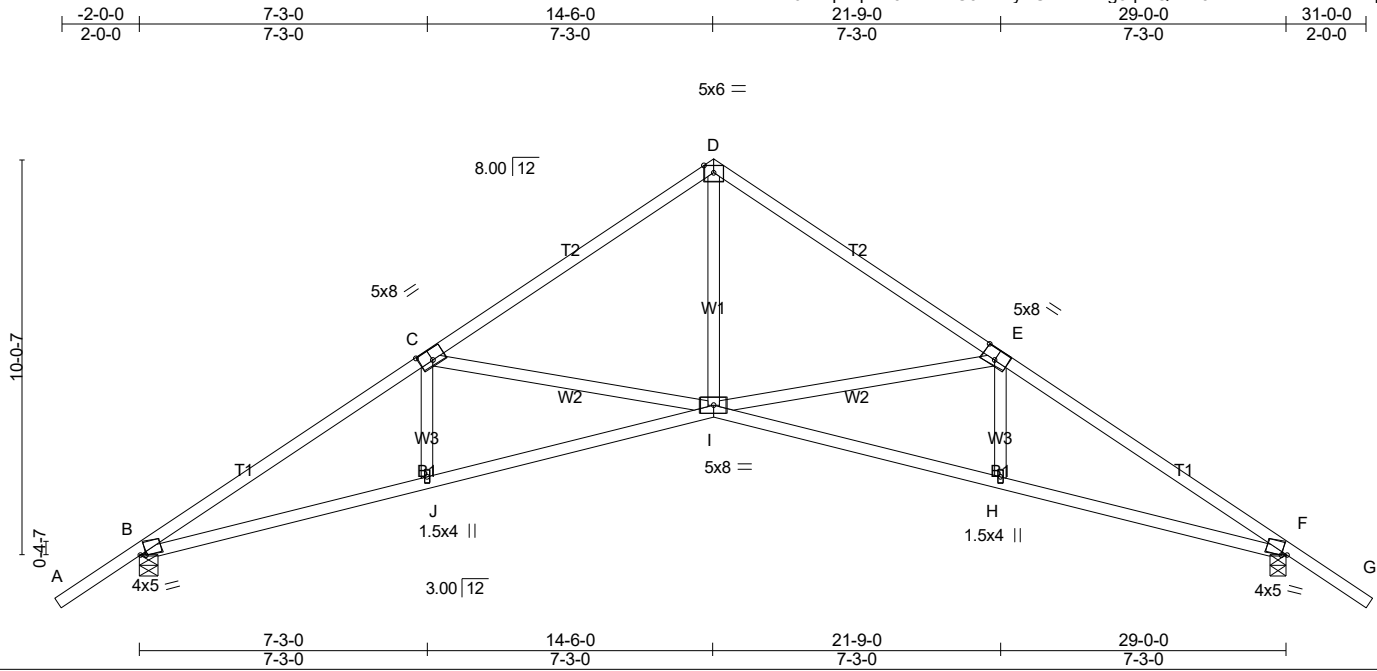
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) B, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 lb uplift at joint B and 314 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss A08	Truss Type Scissor	Qty 2	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-----------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:54 2018 Page 1
 ID: JYPqXEp1H5IYIkbwG3nivXyXUKP-Ah4g3qtzIQZe5KlscuTvvxasVWSHnpILLUvSrySSp3



Scale = 1:58.3

Plate Offsets (X,Y)-- [B:0-1-10,0-0-8], [C:0-4-0,0-3-4], [E:0-4-0,0-3-4], [F:0-1-10,0-0-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL 1.15	TC 0.56	Vert(LL) -0.19 I >999 360	MT20	220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.41	Vert(CT) -0.31 H-I >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.64	Horz(CT) 0.23 F n/a n/a		
BCDL 7.0	Code IRC2015/TPI2014	Matrix-SH	Wind(LL) 0.10 I >999 240		
				Weight: 130 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std *Except*
 W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 3-5-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-4-1 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1427/0-5-8 (min. 0-1-8), F=1427/0-5-8 (min. 0-1-8)
 Max Horz B=289(LC 7)
 Max Uplift B=-314(LC 8), F=-314(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2769/539, C-D=-1898/335, D-E=-1898/375, E-F=-2769/410
 BOT CHORD B-J=-505/2231, I-J=-506/2226, H-I=-254/2226, F-H=-253/2231
 WEBS D-I=-226/1444, E-I=-756/393, E-H=0/273, C-I=-756/387, C-J=0/273

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) B, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint B and 314 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss A09	Truss Type Roof Special	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
					Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

ID: JYPqXEp1H5YIkbwG3nivXyXUKP-74CQUWVEH1VHTOUh_1xx_K1v6IAyIh4bmfz0WjySSp1
8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:56 2018 Page 1

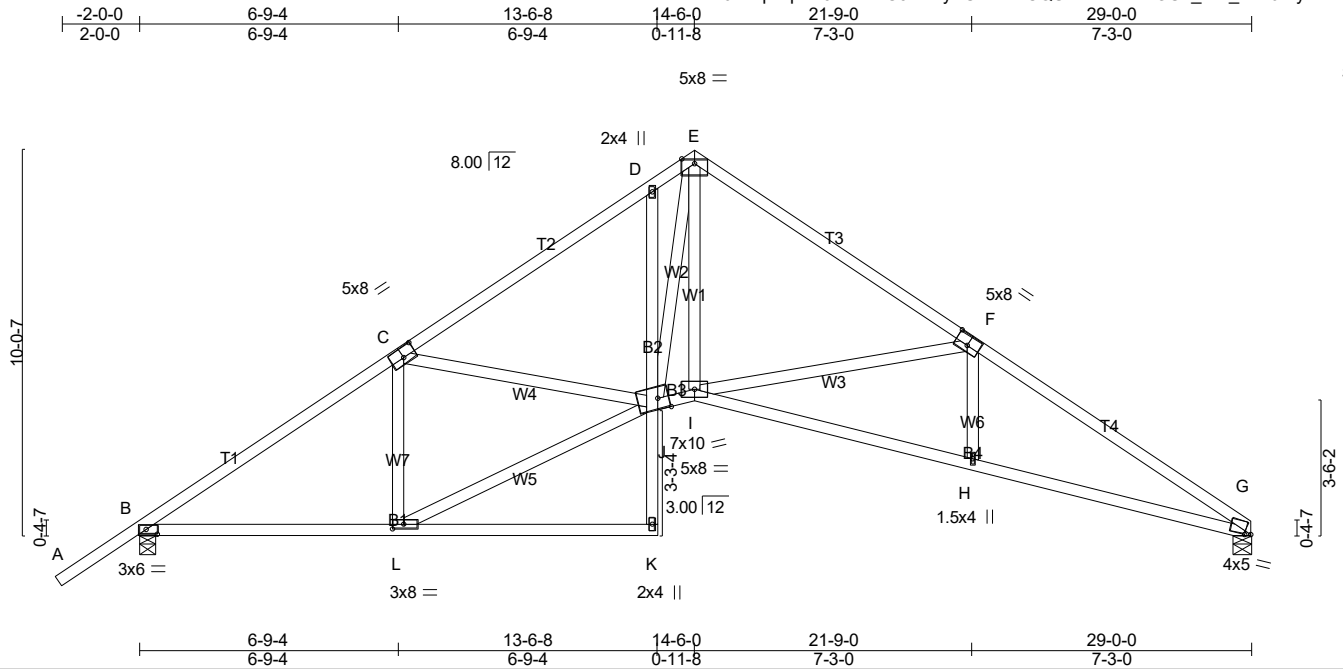


Plate Offsets (X,Y)-- [B:0-3-9,0-1-8], [C:0-4-0,0-3-0], [F:0-4-0,0-3-4], [G:0-1-14,0-0-8], [J:0-3-8,Edge], [L:0-3-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.58	Vert(LL) -0.16	G-H	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.54	Vert(CT) -0.26	H-I	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.59	Horz(CT) 0.18	G	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.11	G-H	>999	240		
	Code IRC2015/TPI2014						Weight: 157 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std *Except*
 W5,W3: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 3-2-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1434/0-5-8 (min. 0-1-8), G=1249/0-5-8 (min. 0-1-8)
 Max Horz B=278(LC 7)
 Max Uplift B=-315(LC 8), G=-249(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1873/335, C-D=-2031/397, D-E=-1899/523, E-F=-1914/391, F-G=-2838/473
 BOT CHORD B-L=-341/1428, D-J=-374/230, I-J=-141/1501, H-I=-303/2290, G-H=-302/2302
 WEBS C-L=-593/225, J-L=-386/1583, E-J=-370/718, E-I=-104/1113, F-I=-800/413, F-H=0/281

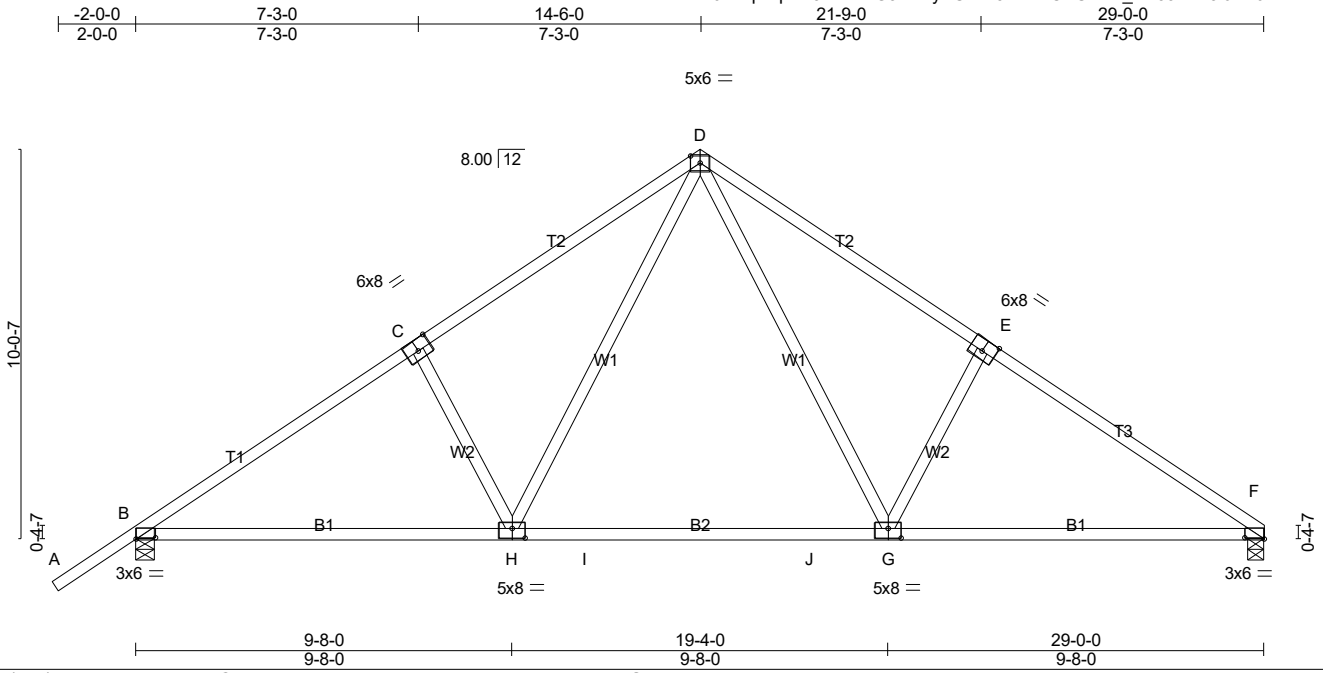
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) G considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint B and 249 lb uplift at joint G.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss A10	Truss Type Common	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
					Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

ID: JYPqXEp1H5YlkbwG3nivXyXUKP-3SKAvCwJoem_7ie35SzP3l6FP6rdDeKuDzS6bcySSp? 8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:03:58 2018 Page 1



Scale = 1:59.2

Plate Offsets (X,Y)-- [B:0-6-0,0-0-6], [C:0-4-0,Edge], [E:0-4-0,Edge], [F:0-6-0,0-0-6], [G:0-4-0,0-3-0], [H:0-4-0,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.59	Vert(LL)	-0.39	G-H	>880	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.53	Vert(CT)	-0.47	G-H	>728		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.41	Horz(CT)	0.05	F	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-SH	Wind(LL)	0.11	F-G	>999		
								Weight: 133 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*
W2: 2x4 DF Stud/Std

BRACING-
TOP CHORD Sheathed or 4-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1434/0-5-8 (min. 0-1-8), F=1249/0-5-8 (min. 0-1-8)
Max Horz B=277(LC 5)
Max Uplift B=-315(LC 8), F=-249(LC 9)

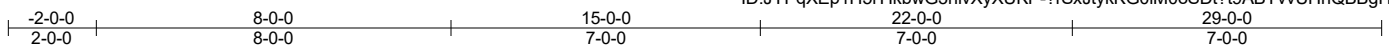
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1842/349, C-D=-1603/423, D-E=-1626/438, E-F=-1863/364
BOT CHORD B-H=-352/1504, H-I=-97/964, I-J=-97/964, G-J=-97/964, F-G=-197/1430
WEBS D-G=-254/768, E-G=-493/336, D-H=-234/733, C-H=-475/326

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint B and 249 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss A11	Truss Type Half Hip Girder	Qty 1	Ply 2	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-------------------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402
 8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:00 2018 Page 1
 ID:JYPqXEp1H5YlkbwG3nivXyXUKP-?rSxJtykKG0iM0oSD?i9ABYvvUHhQBBgHxDeUySSoz



Scale = 1:51.9

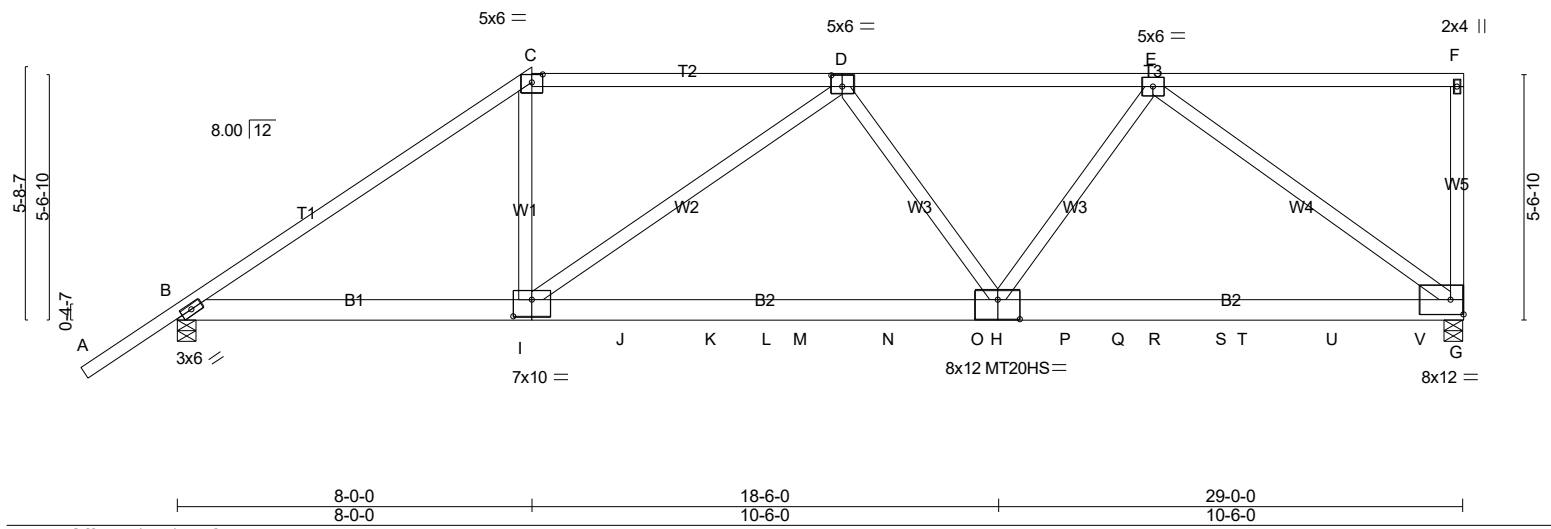


Plate Offsets (X,Y)-- [C:0-3-0,0-2-3], [D:0-3-0,0-3-0], [H:0-6-0,0-5-4], [I:0-5-0,0-4-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL 1.15	TC 0.78	Vert(LL) -0.24 H-I >999 360	MT20	220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.71	Vert(CT) -0.35 H-I >972 240	MT20HS	165/146
BCLL 0.0 *	Rep Stress Incr YES	WB 0.90	Horz(CT) 0.05 G n/a n/a		
BCDL 7.0	Code IRC2015/TPI2014	Matrix-SH	Wind(LL) 0.23 H-I >999 240		Weight: 317 lb FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x6 DF 1800F 1.6E or 2x6 DF SS
 WEBS 2x4 DF Stud/Std *Except*
 W2,W4: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 5-7-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): C-F.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) G=3470/0-5-8 (min. 0-1-14), B=3111/0-5-8 (min. 0-1-11)
 Max Horz B=262(LC 27)
 Max UpliftG=-1532(LC 5), B=-1171(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-5003/2076, C-D=-3938/1731, D-E=-4747/2097
 BOT CHORD B-I=-1758/3998, I-J=-2091/4739, J-K=-2091/4739, K-L=-2091/4739, L-M=-2091/4739,
 M-N=-2091/4739, N-O=-2091/4739, H-O=-2091/4739, H-P=-1505/3410, P-Q=-1505/3410,
 Q-R=-1505/3410, R-S=-1505/3410, S-T=-1505/3410, T-U=-1505/3410, U-V=-1505/3410,
 G-V=-1505/3410
 WEBS C-I=-1033/2280, D-I=-1123/537, D-H=-286/363, E-H=-1058/2389, E-G=-4180/1845

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BC DL = 7.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1532 lb uplift at joint G and 1171 lb uplift at joint B.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job 18-103069T	Truss A11	Truss Type Half Hip Girder	Qty 1	Ply 2	MICHAEL HAY SPRINGFIELD Job Reference (optional)
-------------------	--------------	-------------------------------	----------	----------	---

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:01 2018 Page 2
ID:JYPqXEp1H5IYIkbwG3nivXyXUKP-T1?JXDyM5Z8Z_ANenaW6hOkjeJqWQtRkVxhnBxySSoy

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 877 lb down and 504 lb up at 8-0-0, 301 lb down and 168 lb up at 10-0-12, 301 lb down and 168 lb up at 12-0-12, 301 lb down and 168 lb up at 14-0-12, 301 lb down and 168 lb up at 16-0-12, 301 lb down and 168 lb up at 18-0-12, 301 lb down and 168 lb up at 20-0-12, 301 lb down and 168 lb up at 22-0-12, 301 lb down and 168 lb up at 24-0-12, and 301 lb down and 168 lb up at 26-0-12, and 303 lb down and 166 lb up at 28-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: A-C=-74, C-F=-74, B-G=-14

Concentrated Loads (lb)

Vert: I=-877(B) J=-301(B) K=-301(B) M=-301(B) N=-301(B) O=-301(B) P=-301(B) R=-301(B) T=-301(B) U=-301(B) V=-303(B)

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	A12	Half Hip	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:02 2018 Page 1
 ID:JYPqXEp1H5YlkbwG3nivXyXUKP-xEZhkZz?stGQbJxrK12LEbHznjDv9SKT8bQKjNySSox

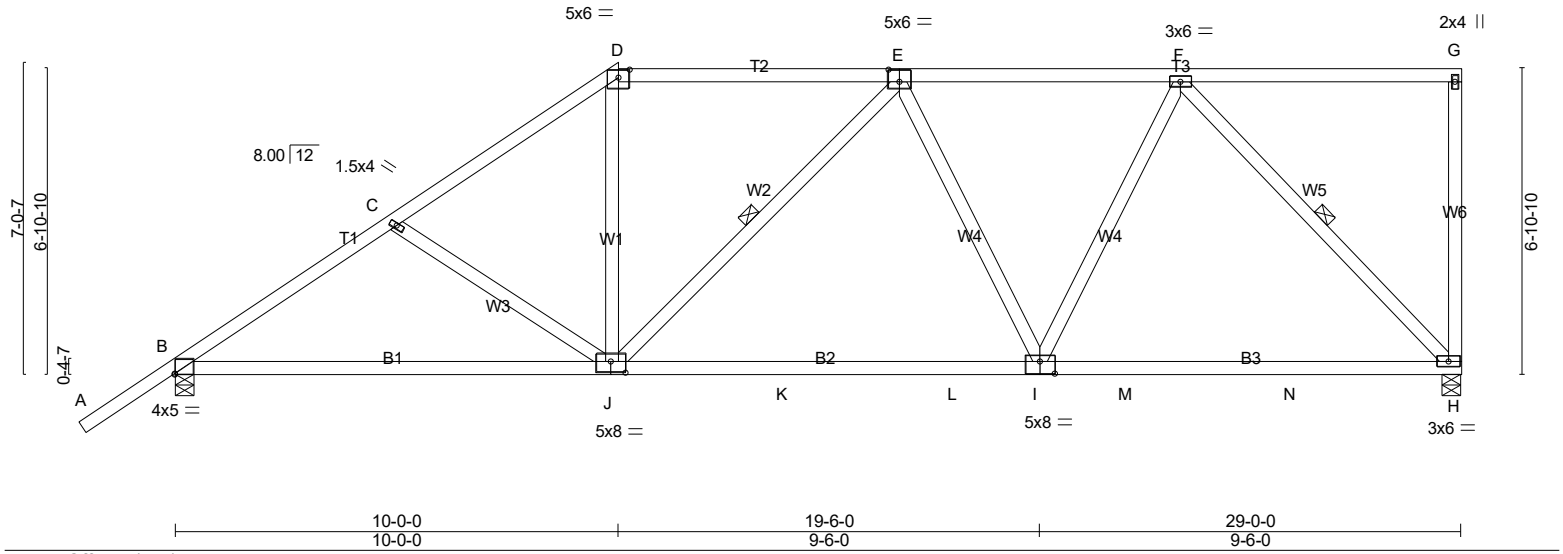
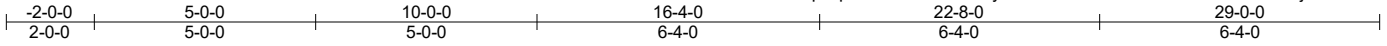


Plate Offsets (X,Y)-- [B:0-0-0,0-0-4], [D:0-3-0,0-2-3], [E:0-3-0-0-3-4], [I:0-4-0-0-3-4], [J:0-4-0-0-3-0]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 30.0	Plate Grip DOL 1.15	TC 0.44	Vert(LL) -0.19 I-J >999 360	MT20	220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.57	Vert(CT) -0.30 H-I >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.41	Horz(CT) 0.05 H n/a n/a		
BCDL 7.0	Code IRC2015/TPI2014	Matrix-SH	Wind(LL) 0.05 I-J >999 240		
				Weight: 153 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD Sheathed or 4-9-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-6-4 max.): D-G.
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except* BOT CHORD	1 Row at midpt E-J, F-H
W6,W3,W1: 2x4 DF Stud/Std	

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) H=1253/0-5-8 (min. 0-1-8), B=1437/0-5-8 (min. 0-1-9)
 Max Horz B=317(LC 8)
 Max Uplift H=-330(LC 5), B=-268(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1887/326, C-D=-1586/315, D-E=-1228/292, E-F=-1195/291
 BOT CHORD B-J=-429/1462, J-K=-361/1367, K-L=-361/1367, L-I=-361/1367, I-M=-263/954,
 M-N=-263/954, H-N=-263/954
 WEBS C-J=-297/218, D-J=-39/447, E-J=-340/194, E-I=-398/162, F-I=-66/613, F-H=-1372/382

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 330 lb uplift at joint H and 268 lb uplift at joint B.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 18-103069T	Truss A13	Truss Type Half Hip	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:04 2018 Page 1
 ID: JYPqXE1H5YIkbwG3nivXyXUKP-uchR9F?FOUW8rd5DSj4pJ0MKtXvZdMcmbvR0GySSov



Scale = 1:53.2

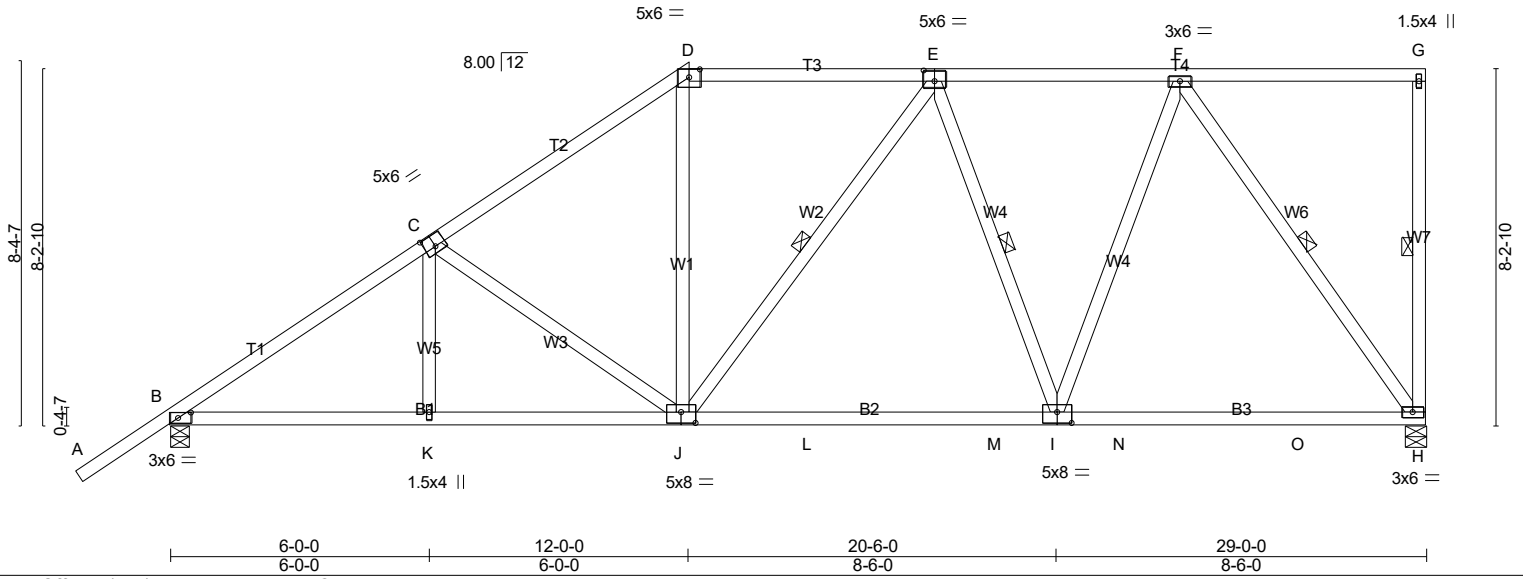


Plate Offsets (X,Y)-- [B:0-3-9,0-1-8], [C:0-3-0,0-3-4], [D:0-3-0,0-2-3], [E:0-3-0,0-3-0], [I:0-4-0,0-3-0], [J:0-4-0,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.33	Vert(LL)	-0.14	I-J	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.49	Vert(CT)	-0.22	I-J	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.05	H	n/a	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-SH	Wind(LL)	0.04	J	>999	240		
									Weight: 168 lb	FT = 20%

LUMBER-	BRACING-	
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD	Sheathed or 4-7-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-G.
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	*BOT CHORD	Rigid ceiling directly applied or 9-10-10 oc bracing.
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*	WEBS	1 Row at midpt G-H, E-J, E-I, F-H
W5,W3: 2x4 DF Stud/Std		

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) H=1253/0-5-8 (min. 0-1-8), B=1437/0-5-8 (min. 0-1-9)
 Max Horz B=371(LC 8)
 Max UpliftH=-325(LC 5), B=-276(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1894/275, C-D=-1456/276, D-E=-1102/262, E-F=-934/224
 BOT CHORD B-K=-458/1454, J-K=-459/1453, J-L=-282/1095, L-M=-282/1095, I-M=-282/1095,
 I-N=-195/727, N-O=-195/727, H-O=-195/727
 WEBS C-J=-435/243, D-J=-24/378, E-I=-478/173, F-I=-86/676, F-H=-1255/339

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 325 lb uplift at joint H and 276 lb uplift at joint B.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 18-103069T	Truss A14	Truss Type Half Hip	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	------------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:06 2018 Page 1

ID:JYPqXEp1H5YIkbwG3nivXyXUKP-q?pCax0Vw6ms4xFcZ86HRRchKdv5DB33DOYs8ySSot

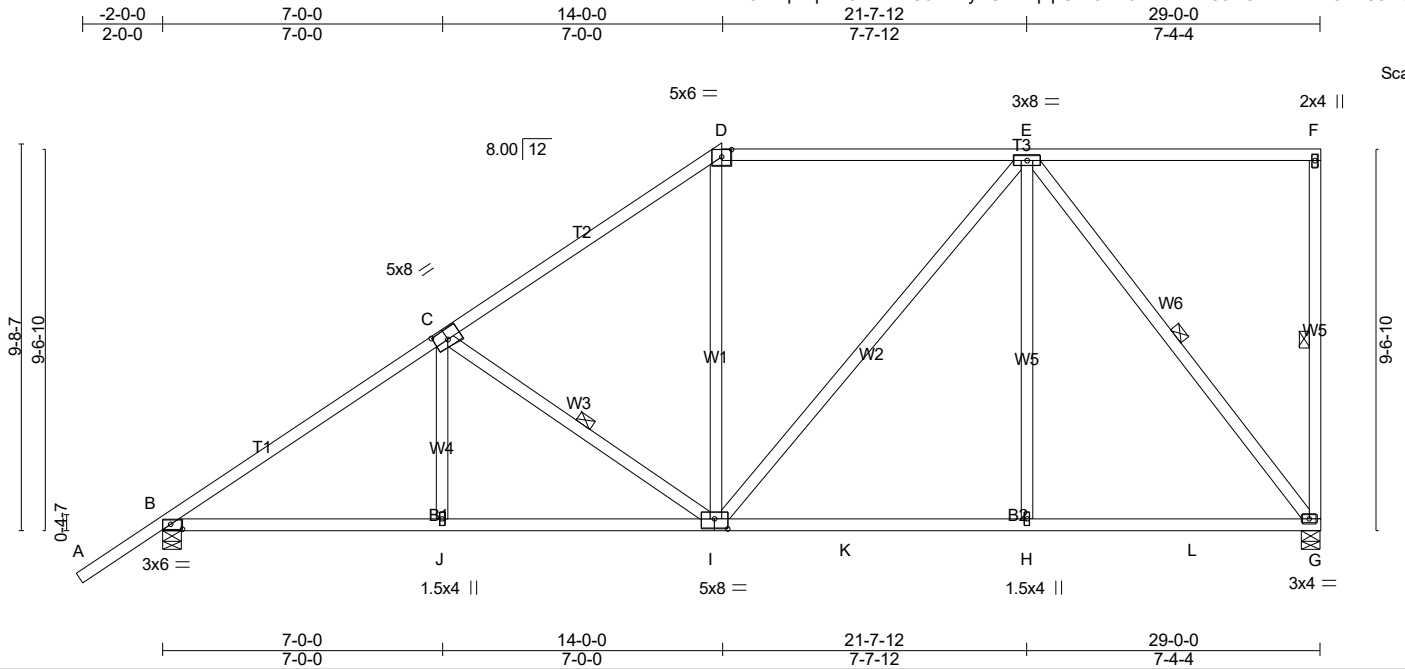


Plate Offsets (X,Y)-- [B:0-3-9,0-1-8], [C:0-4-0,0-3-0], [D:0-3-0,0-2-3], [I:0-4-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.63	Vert(LL) -0.10	H-I	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.37	Vert(CT) -0.16	H-I	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.61	Horz(CT) 0.04	G	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.05	B-J	>999	240		
	Code IRC2015/TPI2014						Weight: 171 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD Sheathed or 4-5-11 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-8 max.): D-F.
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	Rigid ceiling directly applied or 9-5-0 oc bracing.
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except* W4: 2x4 DF Stud/Std	1 Row at midpt F-G, C-I, E-G

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) G=1253/0-5-8 (min. 0-1-8), B=1437/0-5-8 (min. 0-1-9)
 Max Horz B=426(LC 8)
 Max Uplift G=-318(LC 5), B=-279(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1874/275, C-D=-1334/233, D-E=-985/263
 BOT CHORD B-J=-500/1427, I-J=-500/1426, I-K=-196/787, H-K=-196/787, H-L=-196/787, G-L=-196/787
 WEBS C-I=-556/292, D-I=0/276, E-I=-178/308, E-H=0/401, E-G=-1264/315

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCCL = 7.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 318 lb uplift at joint G and 279 lb uplift at joint B.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 18-103069T	Truss A15	Truss Type Half Hip	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:07 2018 Page 1
 ID: JYPqXEp1H5YlkbwG3nivXyXUKP-IBNaoH17hPuji5qo7rdWxf_m8kzCqfqCHt85OaySSos

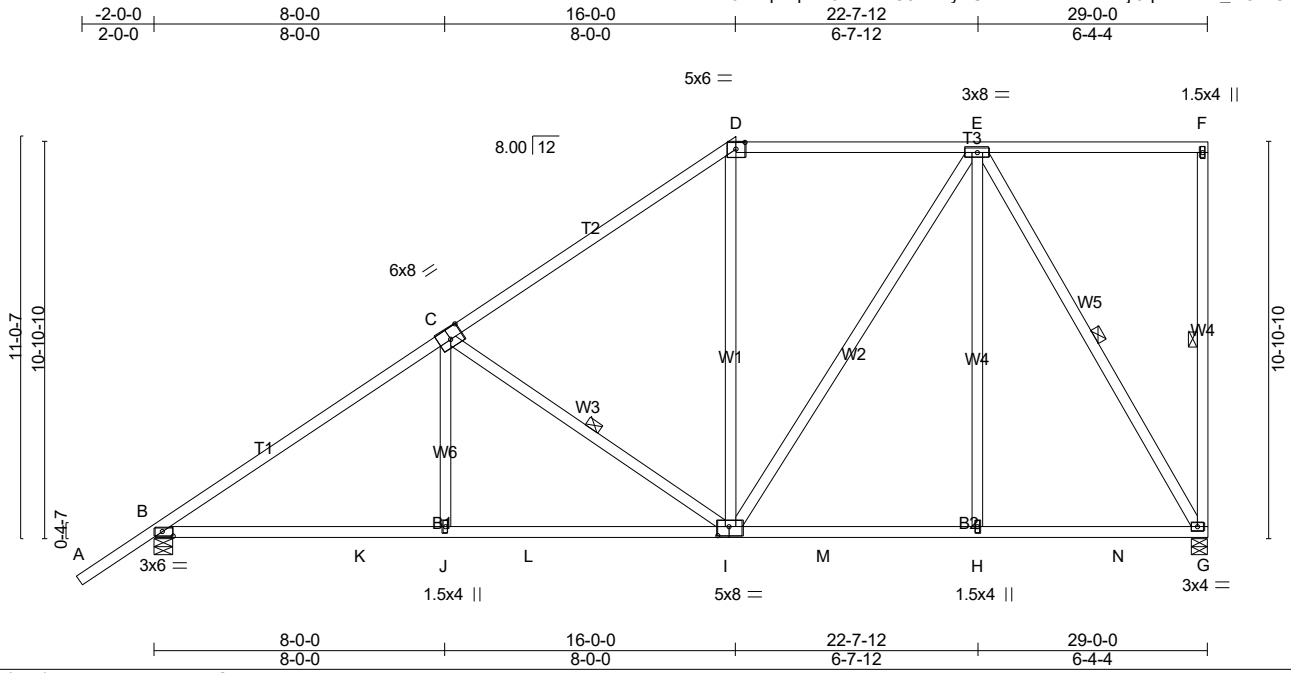


Plate Offsets (X,Y)-- [B:0-3-9,0-1-8], [C:0-4-0,Edge], [D:0-3-0,0-2-3], [I:0-3-12,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.65	Vert(LL) -0.08	H-I	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.37	Vert(CT) -0.15	B-J	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.65	Horz(CT) 0.04	G	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.07	B-J	>999	240		
	Code IRC2015/TPI2014						Weight: 180 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*
 W6: 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 4-1-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-F.
 BOT CHORD Rigid ceiling directly applied or 9-0-4 oc bracing.
 WEBS 1 Row at midpt F-G, C-I, E-G

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) G=1253/0-5-8 (min. 0-1-8), B=1437/0-5-8 (min. 0-1-9)
 Max Horz B=480(LC 8)
 Max Uplift G=-311(LC 5), B=-277(LC 8)
 Max Grav G=1267(LC 2), B=1437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1849/265, C-D=-1209/212, D-E=-859/255
 BOT CHORD B-K=-533/1483, J-K=-533/1483, J-L=-533/1480, I-L=-533/1480, I-M=-149/627,
 H-M=-149/627, H-N=-149/627, G-N=-149/627
 WEBS C-J=0/289, C-I=-785/342, E-I=-223/486, E-H=0/356, E-G=-1228/291

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 311 lb uplift at joint G and 277 lb uplift at joint B.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	A16	Common	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:09 2018 Page 1

ID:JYPqXEp1H5YIkbwG3nivXyXUKP-EaUKCy3OD18QxO_BFGg_0439kYfUIZEVIBdCTTySSoq

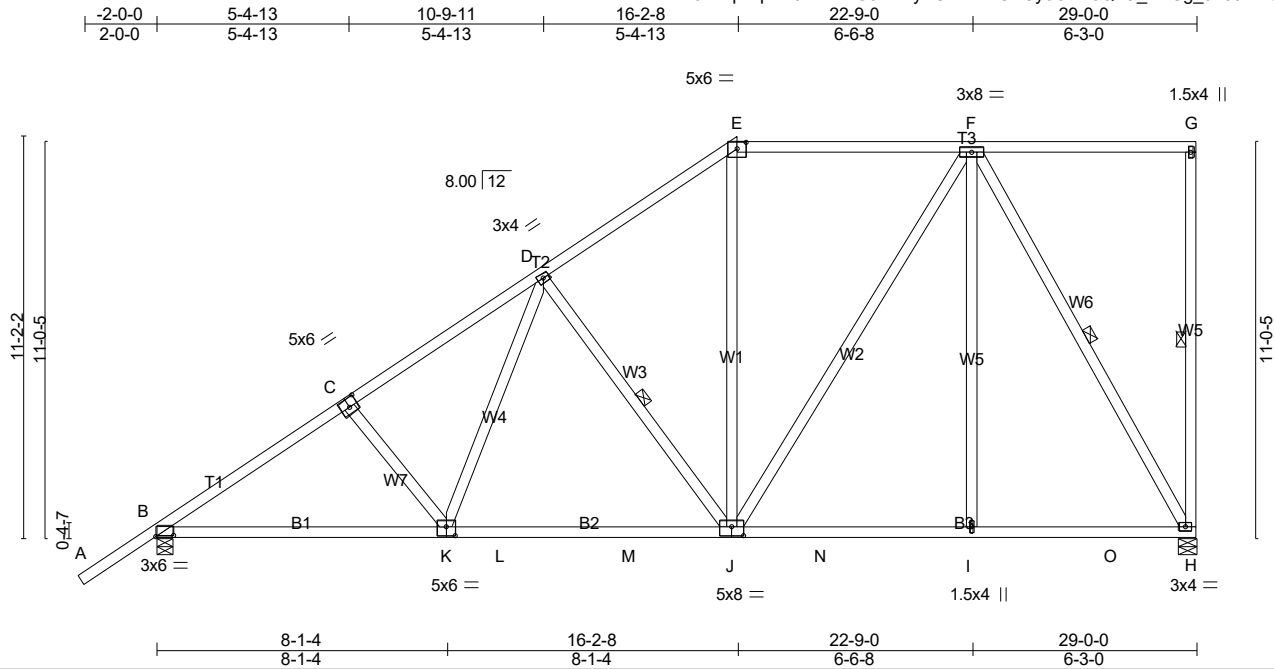


Plate Offsets (X,Y)-- [B:0-6-0,0-0-6], [C:0-3-0,0-3-0], [E:0-3-0,0-2-3], [J:0-4-0,0-3-0], [K:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.45	Vert(LL) -0.14	J-K	>999	360		MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.38	Vert(CT) -0.21	J-K	>999	240			
BCLL 0.0 *	Lumber DOL 1.15	WB 0.66	Horz(CT) 0.04	H	n/a	n/a			
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.04	J-K	>999	240			
	Code IRC2015/TPI2014							Weight: 189 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except* BOT CHORD
W7: 2x4 DF Stud/Std

BRACING-
TOP CHORD Sheathed or 4-8-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): E-G.
Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-8-11 oc bracing: B-K.
WEBS 1 Row at midpt G-H, D-J, F-H

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) H=1253/0-5-8 (min. 0-1-8), B=1437/0-5-8 (min. 0-1-9)
Max Horz B=486(LC 8)
Max Uplift H=-310(LC 5), B=-277(LC 8)
Max Grav H=1269(LC 2), B=1437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1888/289, C-D=-1655/303, D-E=-1122/235, E-F=-839/249
BOT CHORD B-K=-589/1505, K-L=-428/1186, L-M=-428/1186, J-M=-428/1186, J-N=-145/611, I-N=-145/611, I-O=-145/611, H-O=-145/611
WEBS C-K=-277/208, D-K=-99/429, D-J=-612/307, E-J=-4/261, F-J=-217/502, F-I=0/333, F-H=-1224/290

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 310 lb uplift at joint H and 277 lb uplift at joint B.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

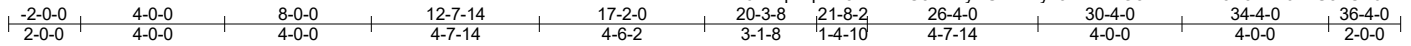
LOAD CASE(S) Standard

Job 18-103069T	Truss B01	Truss Type Hip Girder	Qty 1	Ply 2	MICHAEL HAY SPRINGFIELD
-------------------	--------------	--------------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:11 2018 Page 1

ID: JYPqXEp1H5IYIkbwG3nivXyXUKP-Byc5de4eleO8Bi7ZMhiS5V9ZBLJrmU5oCV6IXMySSoo



Scale: 3/16"=1'

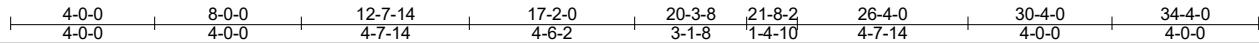
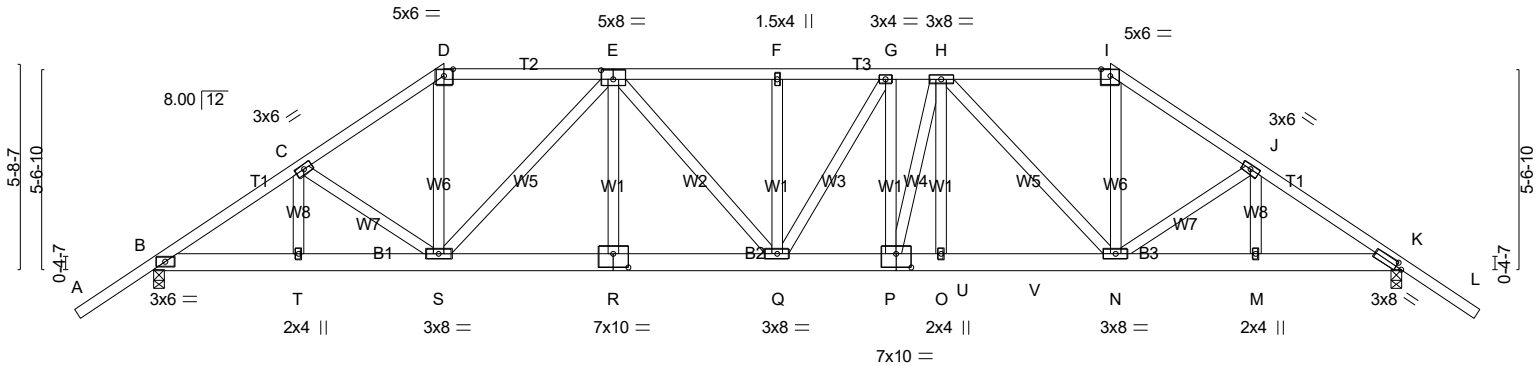


Plate Offsets (X,Y)-- [D:0-3-0,0-2-3], [E:0-4-0,0-3-0], [I:0-3-0,0-2-3], [K:0-2-0,0-1-8], [P:0-5-0,0-4-8], [R:0-5-0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.20	Vert(LL) -0.18	P-Q	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.39	Vert(CT) -0.26	P-Q	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.63	Horz(CT) 0.08	K	n/a	n/a		
BCDL 7.0	Rep Stress Incr NO	Matrix-SH	Wind(LL) 0.13	P	>999	240		
	Code IRC2015/TPI2014						Weight: 458 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x6 DF 1800F 1.6E or 2x6 DF SS
 WEBS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 5-10-5 oc purlins, except 2-0-0 oc purlins (5-7-10 max.): D-I.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) B=2716/0-3-8 (min. 0-1-8), K=3710/0-3-8 (min. 0-2-0)
 Max Horz B=-174(LC 6)
 Max Uplift B=-683(LC 8), K=-1151(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-4171/1079, C-D=-4017/1132, D-E=-3250/956, E-F=-5899/1819, F-G=-5899/1819, G-H=-6411/2048, H-I=-4739/1658, I-J=-5823/1983, J-K=-5881/1884
 BOT CHORD B-T=-974/3374, S-T=-974/3374, R-S=-1460/4817, Q-R=-1460/4817, P-Q=-2010/6411, O-P=-1993/6244, O-U=-1993/6244, U-V=-1993/6244, N-V=-1993/6244, M-N=-1491/4784, K-M=-1491/4784
 WEBS D-S=-527/1880, E-S=-2384/835, E-Q=-637/1712, F-Q=-296/133, H-O=-284/666, H-N=-2293/670, I-N=-992/2866, J-N=-293/251, G-P=-428/807, G-Q=-1051/526, H-P=-64/689

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 683 lb uplift at joint B and 1151 lb uplift at joint K.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1621 lb down and 454 lb up at 20-2-12, 301 lb down and 168 lb up at 22-3-4, and 301 lb down and 168 lb up at 24-3-4, and 877 lb down and 504 lb up at 26-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	B01	Hip Girder	1	2	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:12 2018 Page 2
ID: JYPqXEp1H5IY1kbwG3nivXyXUKP-f9ATr_5GVyW?osimwODheihkxf4VxLyR9rs4oySSon

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: A-D=-74, D-I=-74, I-L=-74, B-K=-14

Concentrated Loads (lb)

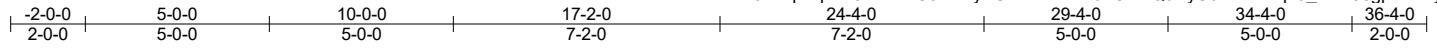
Vert: N=-877(F) P=-1621(F) U=-301(F) V=-301(F)

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	B02	Hip	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:13 2018 Page 1

ID:JYPqXE1H5IYIkbwG3nivXyXUKP-7Lkr2K6uGFfsQ0HyU6kwAwEq29_FES35gpbPcEySSom



Scale = 1:62.4

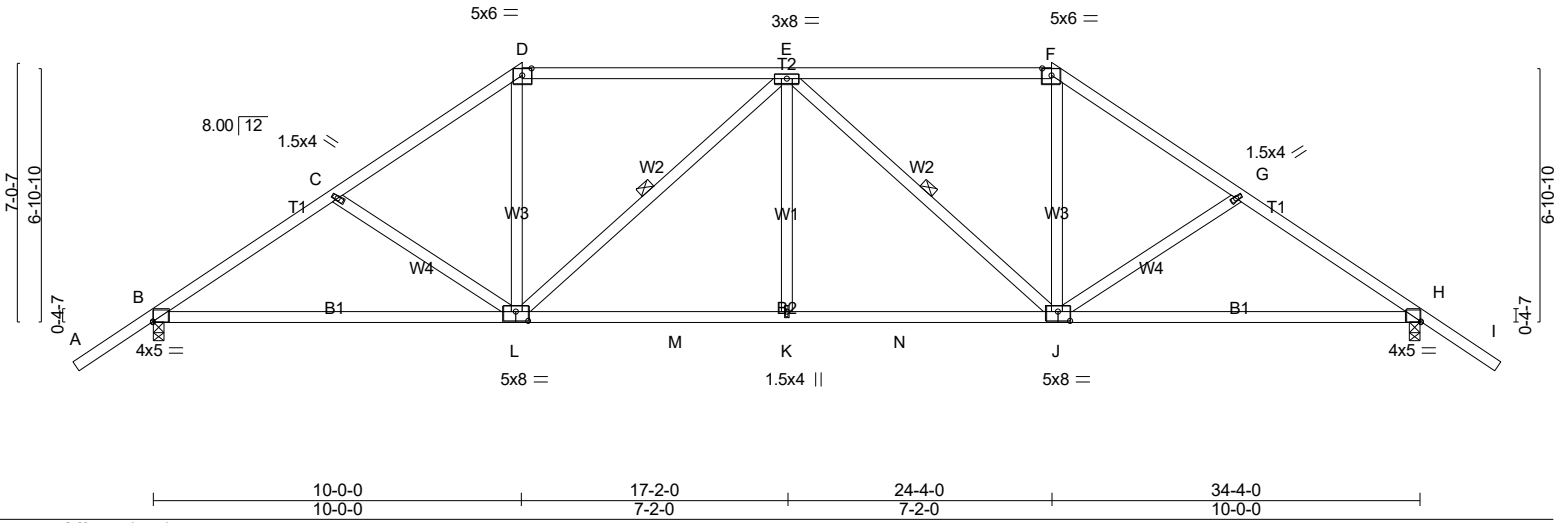


Plate Offsets (X,Y)--		[B:0-0-0,0-0-4], [D:0-3-0,0-2-3], [F:0-3-0,0-2-3], [H:Edge,0-0-4], [J:0-4-0,0-3-0], [L:0-4-0,0-3-0]
LOADING (psf)	SPACING-	2-0-0
TCLL 30.0	Plate Grip DOL	1.15
TCDL 7.0	Lumber DOL	1.15
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 7.0	Code IRC2015/TPI2014	
	CSI.	
	TC	0.56
	BC	0.45
	WB	0.28
	Matrix-SH	
	DEFL.	
	Vert(LL)	-0.18 H-J >999 360
	Vert(CT)	-0.32 H-J >999 240
	Horz(CT)	0.09 H n/a n/a
	Wind(LL)	0.07 K >999 240
	PLATES	MT20
	GRIP	220/195
	Weight:	172 lb FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std *Except*
 W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 4-3-2 oc purlins, except 2-0-0 oc purlins (4-7-15 max.): D-F.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt E-L, E-J

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1663/0-3-8 (min. 0-1-12), H=1663/0-3-8 (min. 0-1-12)
 Max Horz B=-209(LC 6)
 Max Uplift B=-306(LC 8), H=-306(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2307/369, C-D=-2003/313, D-E=-1573/310, E-F=-1573/310, F-G=-2003/313, G-H=-2307/369
 BOT CHORD B-L=-373/1815, L-M=-361/1971, K-M=-361/1971, K-N=-361/1971, J-N=-361/1971, H-J=-191/1815
 WEBS C-L=-307/219, D-L=-47/639, E-L=-664/250, E-K=0/305, E-J=-664/249, F-J=-46/639, G-J=-308/220

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 306 lb uplift at joint B and 306 lb uplift at joint H.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

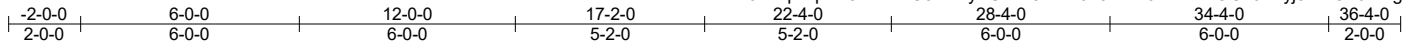
LOAD CASE(S) Standard

Job 18-103069T	Truss B03	Truss Type Hip	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:15 2018 Page 1

ID: JYPqXEp1H5YIkbwG3nivXyXUKP-3kscT079otvafJRLbXmOGLJDsyj5iKZO764Wg7ySSok



Scale: 3/16"=1'

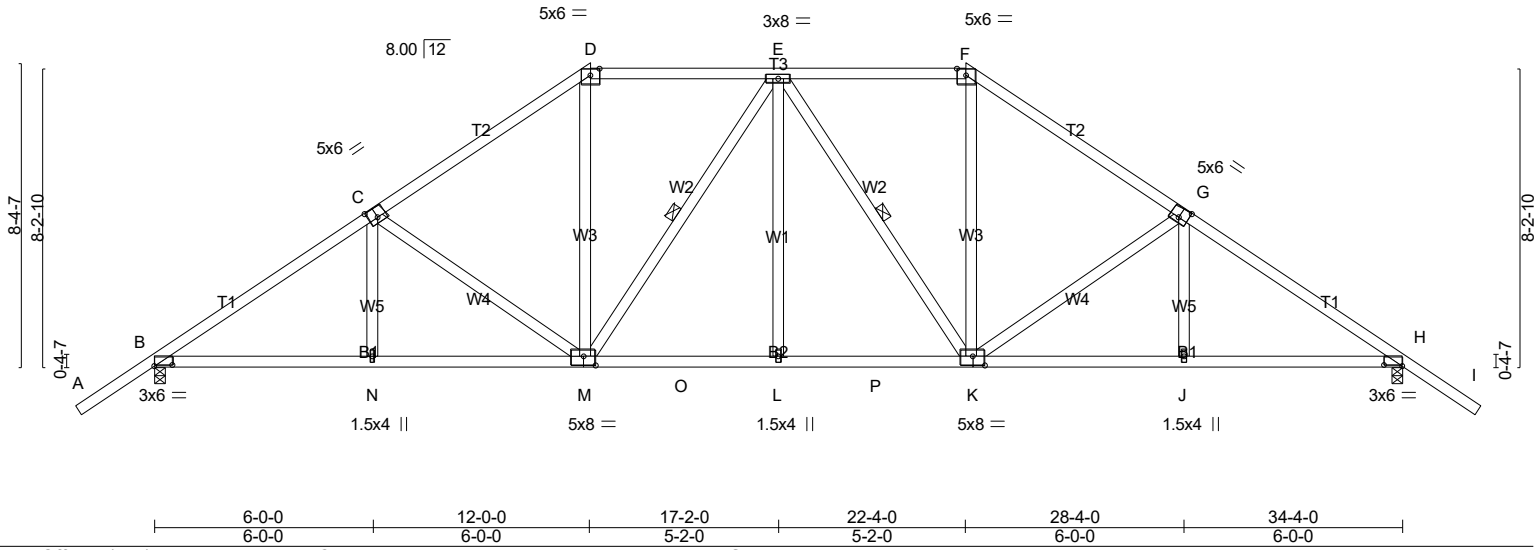


Plate Offsets (X,Y)--	[B:0-6-0,0-0-6], [C:0-3-0,0-3-4], [D:0-3-0,0-2-3], [F:0-3-0,0-3-4], [G:0-3-0,0-3-4], [H:0-6-0,0-0-6], [K:0-4-0,0-3-0], [M:0-4-0,0-3-0]
-----------------------	--

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.35	Vert(LL) -0.11	L	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.30	Vert(CT) -0.17	K-L	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.41	Horz(CT) 0.08	H	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.06	L	>999	240		
	Code IRC2015/TPI2014						Weight: 191 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD Sheathed or 4-1-13 oc purlins, except
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	2-0-0 oc purlins (5-4-8 max.): D-F.
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*	Rigid ceiling directly applied or 10-0-0 oc bracing.
W5,W4: 2x4 DF Stud/Std	1 Row at midpt E-M, E-K

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1663/0-3-8 (min. 0-1-12), H=1663/0-3-8 (min. 0-1-12)
 Max Horz B=244(LC 7)
 Max Uplift B=-325(LC 8), H=-325(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2319/368, C-D=-1868/338, D-E=-1439/340, E-F=-1439/339, F-G=-1868/338,
 G-H=-2319/369
 BOT CHORD B-N=-329/1810, M-N=-330/1809, M-O=-223/1610, L-O=-223/1610, L-P=-223/1610,
 K-P=-223/1610, J-K=-166/1809, H-J=-165/1810
 WEBS C-M=-461/241, D-M=-78/595, E-M=-467/190, E-L=0/254, E-K=-467/190, F-K=-78/595,
 G-K=-461/242

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 325 lb uplift at joint B and 325 lb uplift at joint H.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

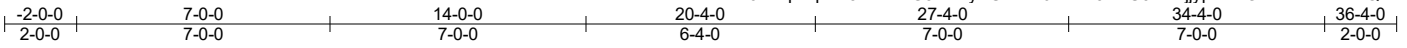
LOAD CASE(S) Standard

Job 18-103069T	Truss B04	Truss Type Hip	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:17 2018 Page 1

ID:JYPqXEp1H5YIkbwG3nivXyXUKP-?6zMuH9PKU9IvdbijjypsLmOVnmNoAlFhbQZdl?ySSoi



Scale: 3/16"=1'

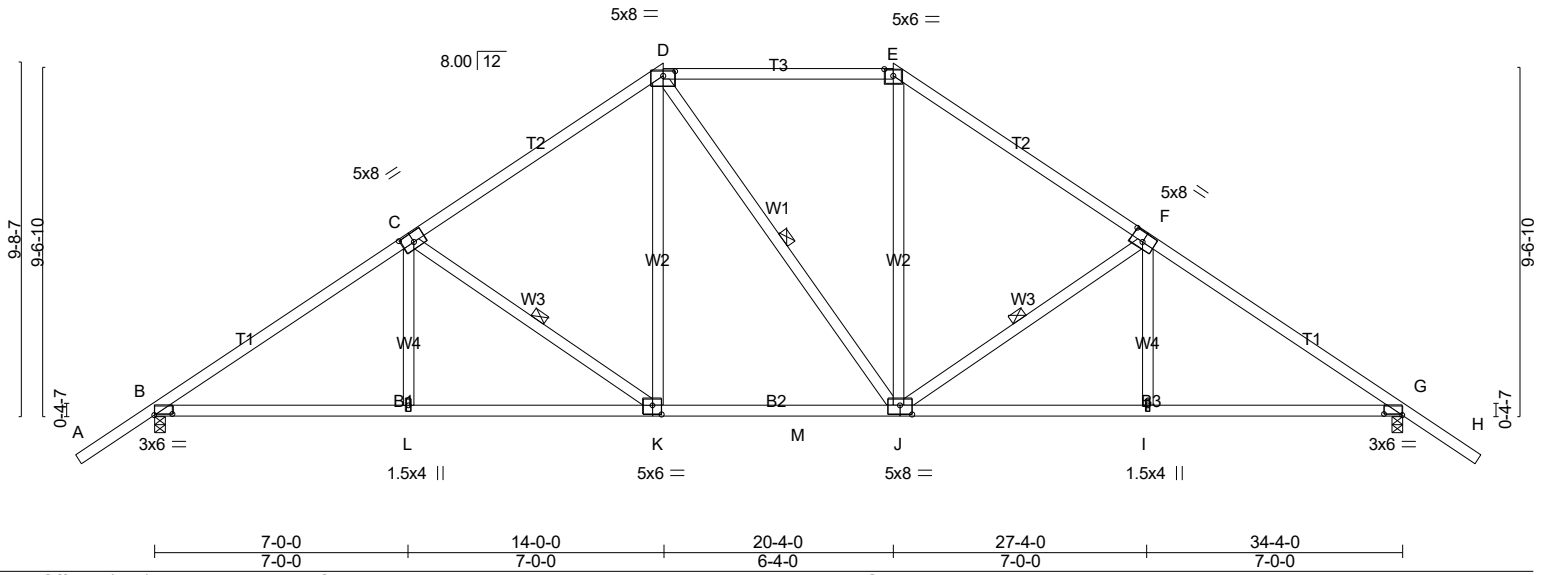


Plate Offsets (X,Y)-- [B:0-6-0,0-0-6], [C:0-4-0,0-3-0], [D:0-4-0,0-1-9], [E:0-3-0,0-2-3], [F:0-4-0,0-3-0], [G:0-6-0,0-0-6], [J:0-4-0,0-3-0], [K:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.51	Vert(LL) -0.14	J-K	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.35	Vert(CT) -0.20	J-K	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Horz(CT) 0.08	G	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.06	K	>999	240		
	Code IRC2015/TPI2014						Weight: 181 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD Sheathed or 3-11-7 oc purlins, except
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	2-0-0 oc purlins (4-11-6 max.): D-E.
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*	Rigid ceiling directly applied or 10-0-0 oc bracing.
W4: 2x4 DF Stud/Std	1 Row at midpt C-K, D-J, F-J

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1663/0-3-8 (min. 0-1-12), G=1663/0-3-8 (min. 0-1-12)
 Max Horz B=-278(LC 6)
 Max Uplift B=-341(LC 8), G=-341(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2295/391, C-D=-1745/347, D-E=-1322/358, E-F=-1747/348, F-G=-2295/392
 BOT CHORD B-L=-358/1780, K-L=-359/1779, K-M=-142/1322, J-M=-142/1322, I-J=-171/1779,
 G-I=-171/1780
 WEBS C-L=0/250, C-K=-565/293, D-K=-110/509, E-J=-85/450, F-J=-567/293

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWF RS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 341 lb uplift at joint B and 341 lb uplift at joint G.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

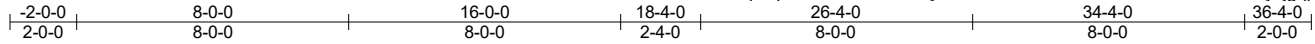
LOAD CASE(S) Standard

Job 18-103069T	Truss B05	Truss Type Hip	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:18 2018 Page 1

ID:JYPqXEp1H5YlkbwG3nivXyXUKP-UJXk51A15oH9WnAvGfK5tzxe0Aiyvjgqp4IAHSySSoh



Scale = 1:67.8

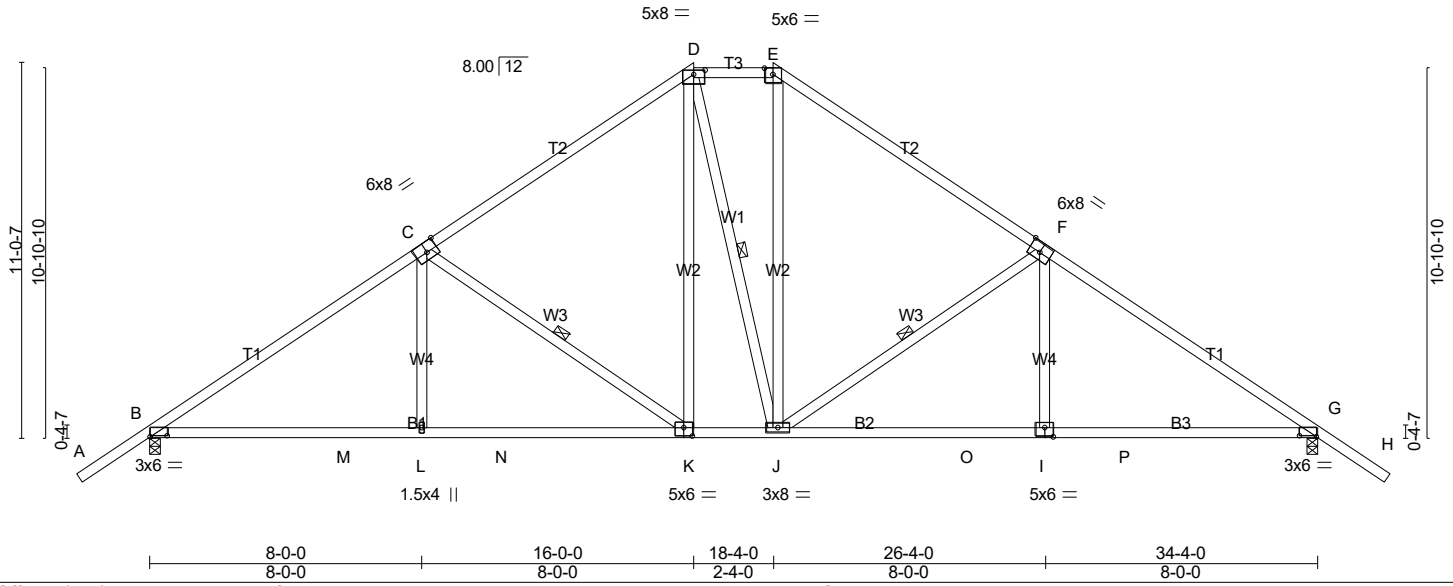


Plate Offsets (X,Y)-- [B:0-6-0,0-0-6], [C:0-4-0,Edge], [D:0-4-0,0-1-9], [E:0-3-0,0-2-3], [F:0-4-0,Edge], [G:0-6-0,0-0-6], [I:0-3-0,0-3-4], [K:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.68	Vert(LL) -0.11	K	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.42	Vert(CT) -0.19	K-L	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.26	Horz(CT) 0.08	G	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.09	B-L	>999	240		
	Code IRC2015/TPI2014						Weight: 190 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD Sheathed or 3-6-10 oc purlins, except
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	2-0-0 oc purlins (5-9-9 max.): D-E.
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*	Rigid ceiling directly applied or 10-0-0 oc bracing.
W4: 2x4 DF Stud/Std	1 Row at midpt C-K, D-J, F-J

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1663/0-3-8 (min. 0-1-12), G=1663/0-3-8 (min. 0-1-12)
 Max Horz B=313(LC 7)
 Max Uplift B=-354(LC 8), G=-354(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2270/406, C-D=-1617/368, D-E=-1192/373, E-F=-1618/369, F-G=-2269/407
 BOT CHORD B-M=-381/1867, L-M=-381/1867, L-N=-381/1864, K-N=-381/1864, J-K=-101/1199,
 J-O=-185/1747, I-O=-185/1747, I-P=-185/1748, G-P=-185/1748
 WEBS C-L=0/300, C-K=-802/339, D-K=-146/520, D-J=-272/280, E-J=-150/526, F-J=-800/339,
 F-I=0/299

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 354 lb uplift at joint B and 354 lb uplift at joint G.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 18-103069T	Truss B06	Truss Type Common	Qty 4	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	----------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:20 2018 Page 1

ID: JYPqXEp1H5YIkbwG3nivXyXUKP-QhfVWjBHdPXtm4JIO4MZyO03xzNNNzm7HOnHMKySSof



4x5 =

Scale = 1:71.3

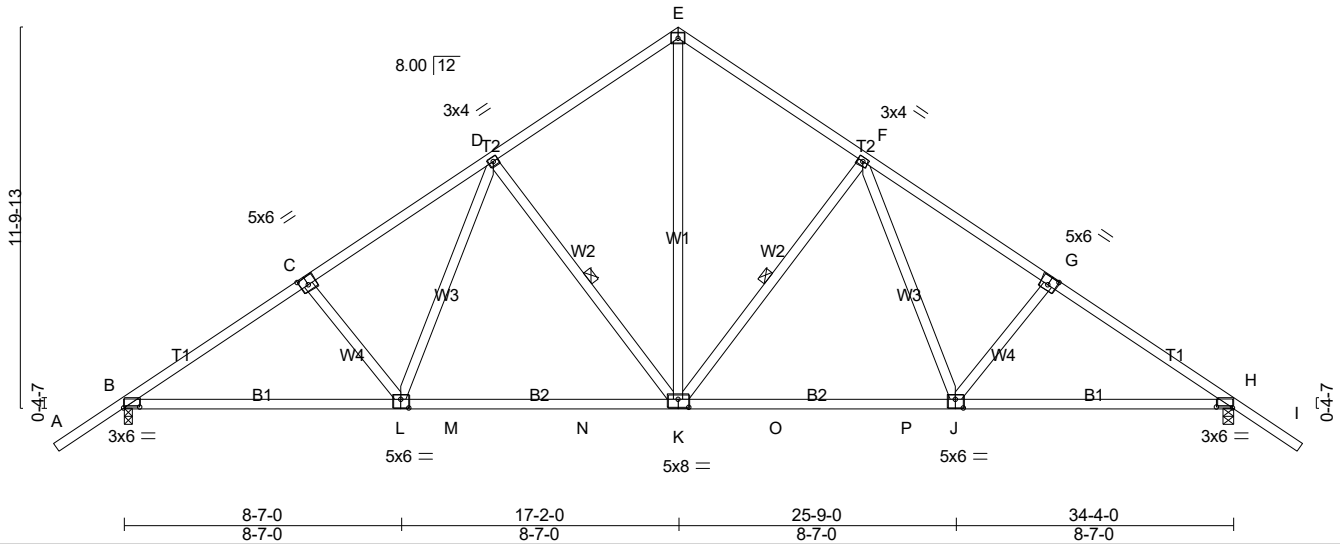


Plate Offsets (X,Y)-- [B:0-6-0,0-0-6], [C:0-3-0,0-3-0], [G:0-3-0,0-3-0], [H:0-6-0,0-0-6], [J:0-3-0,0-3-4], [K:0-4-0,0-3-0], [L:0-3-0,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.33	Vert(LL) -0.20	K-L	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.49	Vert(CT) -0.30	K-L	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.54	Horz(CT) 0.08	H	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.07	K	>999	240		
	Code IRC2015/TPI2014						Weight: 183 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	TOP CHORD Sheathed or 4-2-2 oc purlins.
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	BOT CHORD Rigid ceiling directly applied or 9-11-5 oc bracing.
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*WEBS	1 Row at midpt F-K, D-K
W4: 2x4 DF Stud/Std	

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1663/0-3-8 (min. 0-1-12), H=1663/0-3-8 (min. 0-1-12)
 Max Horz B=335(LC 7)
 Max Uplift B=-360(LC 8), H=-360(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2302/441, C-D=-2051/455, D-E=-1462/406, E-F=-1462/406, F-G=-2051/455, G-H=-2302/442
 BOT CHORD B-L=-452/1956, L-M=-277/1599, M-N=-277/1599, K-N=-277/1599, K-O=-159/1473, O-P=-159/1473, J-P=-159/1473, H-J=-230/1800
 WEBS E-K=-298/1131, F-K=-666/329, F-J=-111/476, G-J=-316/224, D-K=-665/328, D-L=-111/475, C-L=-316/224

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BC DL = 7.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 360 lb uplift at joint B and 360 lb uplift at joint H.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss C01	Truss Type Common Supported Gable	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional) 8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:22 2018 Page 1

ID:JYPqXEp1H5YIkbwG3nivXyXUKP-M4nFxPDY90na?OThVVO12p6Rin8jraiQkiGOQDySSod
20-2-0 22-2-0



4x5 =

Scale = 1:44.9

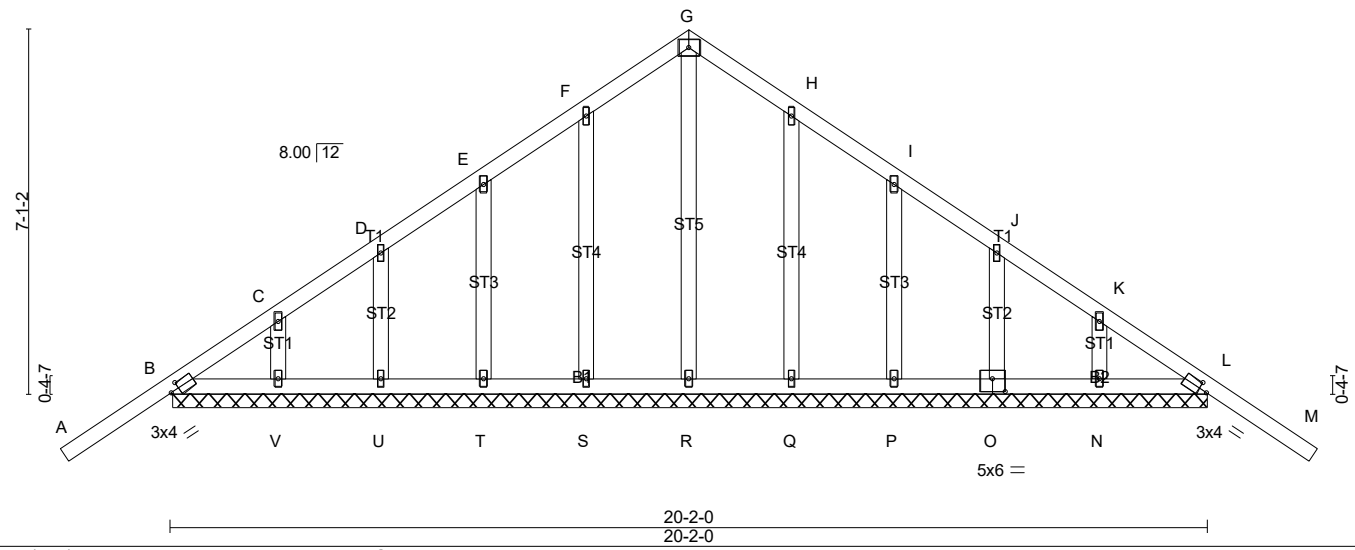


Plate Offsets (X,Y)-- [B:0-2-0,0-1-8], [L:0-2-0,0-1-8], [O:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.25	Vert(LL) -0.04	M	n/r	120	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.11	Vert(CT) -0.05	M	n/r	120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.13	Horz(CT) 0.00	L	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH						
	Code IRC2015/TPI2014						Weight: 111 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
OTHERS 2x4 DF Stud/Std

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz B=212(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) B, S, T, U, V, Q, P, O, N, L
Max Grav All reactions 250 lb or less at joint(s) R, S, T, U, V, Q, P, O, N except B=337(LC 1), L=340(LC 1)

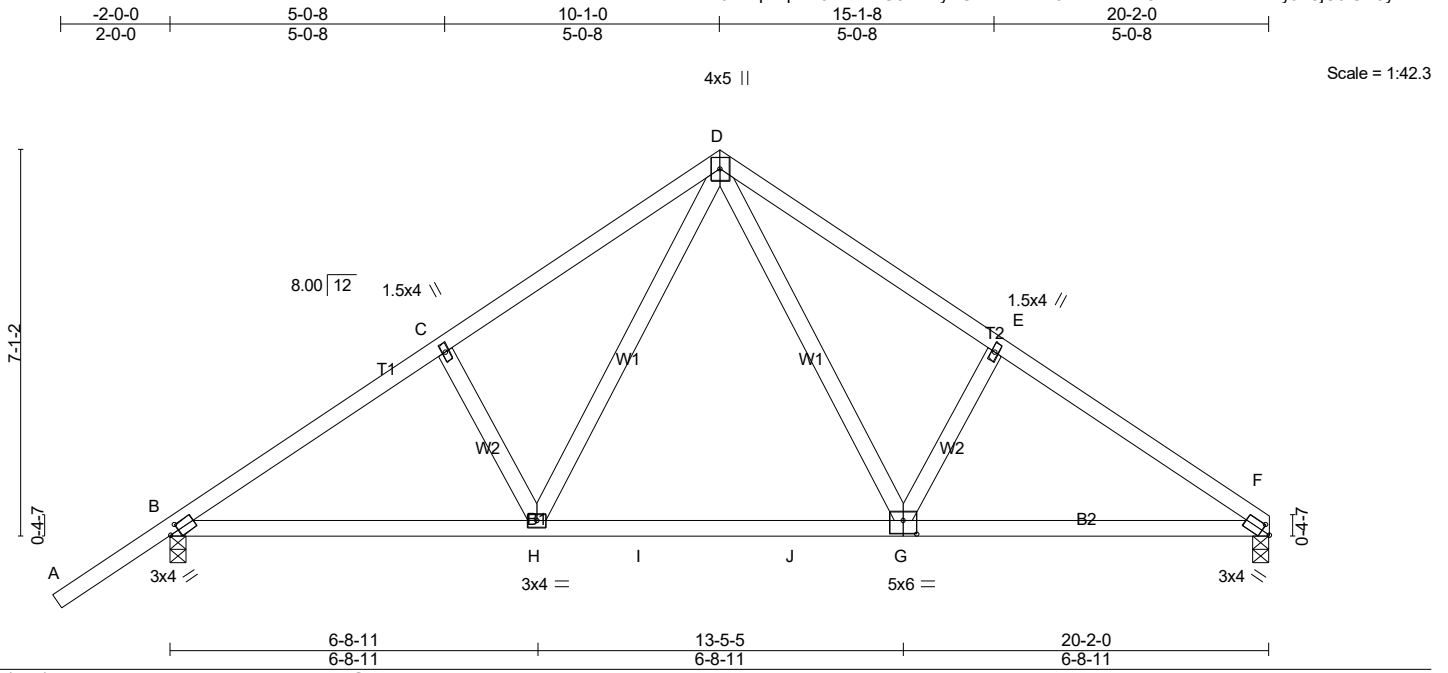
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, S, T, U, V, Q, P, O, N, L.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) B, L.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss C02	Truss Type Common	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

ID: JYPqXEp1H5YIkbwG3nivXyXUKP-ISu?M5Eohe1IEid3dwRV7EBmbdboyJT3jC0IUv5ySSob
8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:24 2018 Page 1



Scale = 1:42.3

Plate Offsets (X,Y)-- [B:0-2-0,0-1-8], [F:0-2-0,0-1-8], [G:0-3-0,0-3-0]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.25	Vert(LL) -0.08 G-H >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Vert(CT) -0.11 G-H >999 240		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.02 F n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.03 F-G >999 240		
				Weight: 93 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*
W2: 2x4 DF Stud/Std

BRACING-
TOP CHORD Sheathed or 5-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) F=865/0-3-8 (min. 0-1-8), B=1049/0-3-8 (min. 0-1-8)
Max Horz B=200(LC 5)
Max Uplift F=-173(LC 9), B=-238(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1259/231, C-D=-1090/281, D-E=-1120/302, E-F=-1286/251
BOT CHORD B-H=-232/993, H-I=-64/644, I-J=-64/644, G-J=-64/644, F-G=-135/986
WEBS D-G=-176/509, E-G=-340/233, D-H=-149/462, C-H=-316/220

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) F=173, B=238.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss C03	Truss Type Common	Qty 3	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:25 2018 Page 1
 ID:JYPqXEp1H5YlkbwG3nivXyXUKP-mfSOZQFQSx99ssCGBdykfSkxN_772wHsQgV21YySSoa

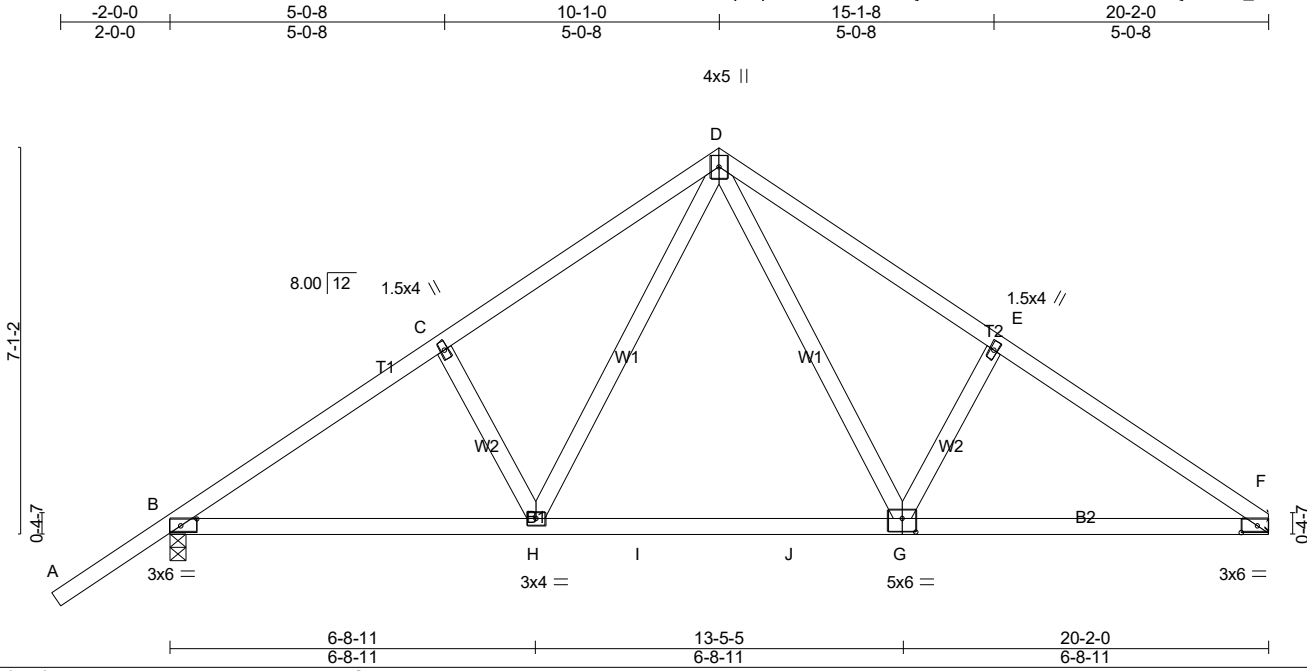


Plate Offsets (X,Y)--	[B:0-3-9,0-1-8], [F:0-3-9,0-1-8], [G:0-3-0,0-3-0]
-----------------------	---

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.28	Vert(LL)	-0.08	G-H	>999	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.26	Vert(CT)	-0.11	G-H	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.02	F	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-SH	Wind(LL)	0.03	F-G	>999		
								Weight: 93 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*
 W2: 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 5-7-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) F=869/Mechanical, B=1052/0-3-8 (min. 0-1-8)
 Max Horz B=200(LC 7)
 Max Uplift F=-174(LC 9), B=-239(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1265/232, C-D=-1096/282, D-E=-1134/305, E-F=-1301/254
 BOT CHORD B-H=-233/997, H-I=-65/649, I-J=-65/649, G-J=-65/649, F-G=-138/1003
 WEBS D-G=-178/522, E-G=-350/236, D-H=-149/462, C-H=-316/220

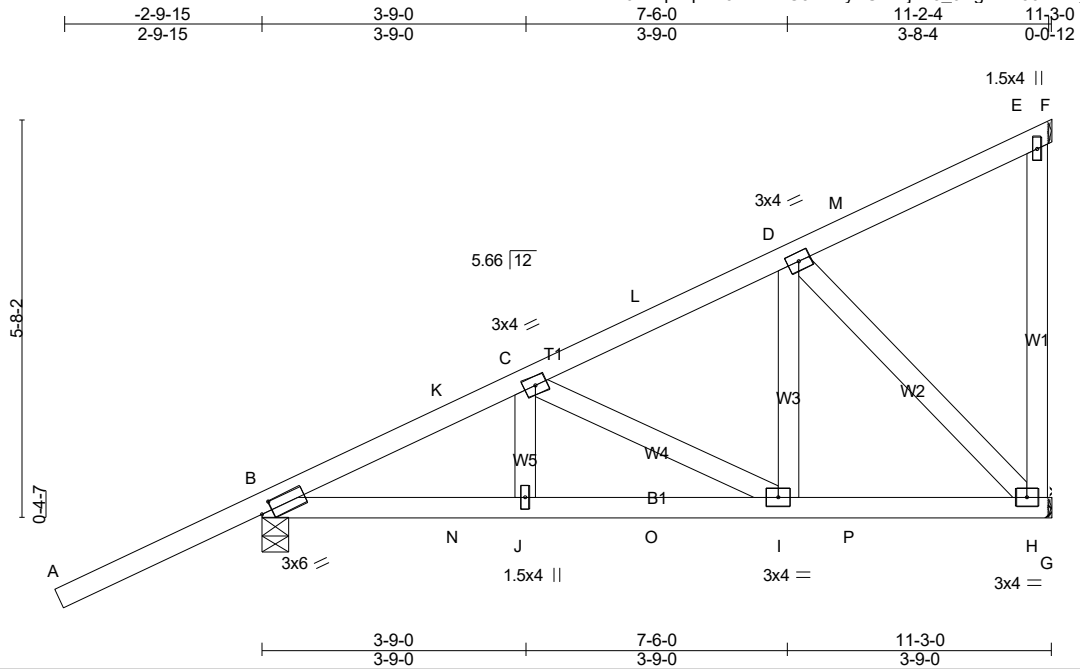
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) F=174, B=239.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	CJ01	Diagonal Hip Girder	3	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:27 2018 Page 1
 ID:JYPqXEp1H5IYIkbwG3nivXyXUKP-j1a8_6HgZPt59Mel2_CltpClpDVoU9u_96QySSoY



Scale = 1:32.8

Plate Offsets (X,Y)-- [B:0-1-15,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.61	Vert(LL) 0.02	B-J	>999	360		MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.32	Vert(CT) -0.03	I-J	>999	240			
BCLL 0.0 *	Lumber DOL 1.15	WB 0.29	Horz(CT) 0.01	H	n/a	n/a			
BCDL 7.0	Rep Stress Incr NO	Matrix-SH	Wind(LL) -0.02	B-J	>999	240			
	Code IRC2015/TPI2014							Weight: 62 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=757/0-4-9 (min. 0-1-8), H=595/Mechanical
 Max Horz B=264(LC 26)
 Max Uplift B=-253(LC 8), H=-317(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-K=-894/221, C-K=-789/205, C-L=-606/203, D-L=-462/151
 BOT CHORD B-N=-332/643, J-N=-332/643, J-O=-332/643, I-O=-332/643, I-P=-239/442, H-P=-239/442
 WEBS D-I=0/304, D-H=-630/341

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=253, H=317.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 83 lb down and 118 lb up at 2-9-8, 83 lb down and 118 lb up at 2-9-8, 114 lb down and 75 lb up at 5-7-7, 114 lb down and 75 lb up at 5-7-7, and 149 lb down and 144 lb up at 8-5-6, and 149 lb down and 144 lb up at 8-5-6 on top chord, and 2 lb down at 2-9-8, 2 lb down at 2-9-8, 16 lb down at 5-7-7, 16 lb down at 5-7-7, and 50 lb down at 8-5-6, and 50 lb down at 8-5-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-E=-74, E-F=-14, B-G=-14
 Concentrated Loads (lb)
 Vert: K=45(F=22, B=22) M=-154(F=-77, B=-77) O=-13(F=-7, B=-7) P=-41(F=-21, B=-21)

Job 18-103069T	Truss D01	Truss Type Common Structural Gable	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:29 2018 Page 1
 ID:JYPqXE1H5YIkbwG3nivXyXUKP-fQiuPolxVAgbLTW1QT1ggIud0cS?zjlSLITFAJySSoW

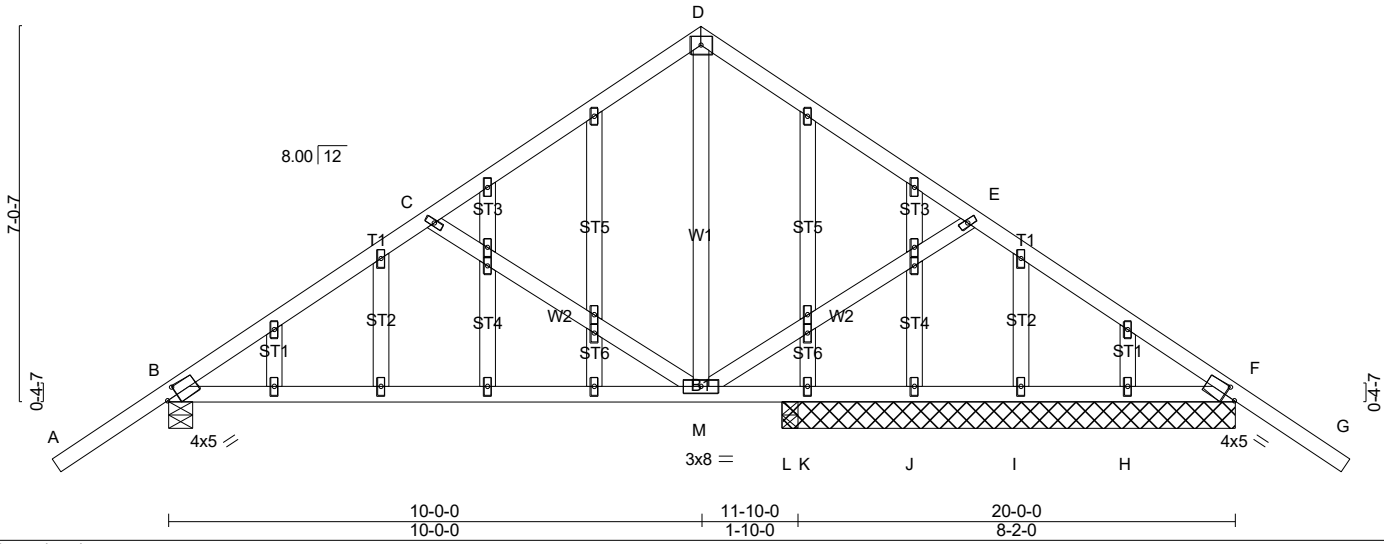
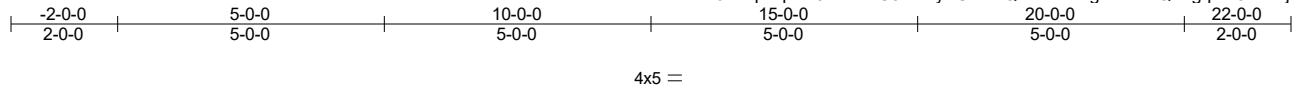


Plate Offsets (X,Y)-- [B:0-2-7,0-2-1], [F:0-2-7,0-2-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.31	Vert(LL) -0.18	B-M	>780	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.39	Vert(CT) -0.31	B-M	>447	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.24	Horz(CT) 0.02	F	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.03	B-M	>999	240		
	Code IRC2015/TPI2014						Weight: 124 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std
 OTHERS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 8-5-8 except (it=length) B=0-5-8, L=0-3-8.
 (lb) - Max Horz B=-210(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) except B=-213(LC 8), F=-239(LC 9), K=-612(LC 1), L=-323(LC 8)
 Max Grav All reactions 250 lb or less at joint(s) J, I, H except B=968(LC 1), F=895(LC 1), K=254(LC 8), L=719(LC 1)

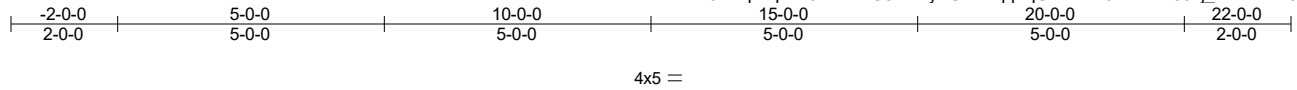
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1070/199, C-D=-744/177, D-E=-742/165, E-F=-1080/223
 BOT CHORD B-M=-178/814, L-M=-84/811, K-L=-84/811, J-K=-84/811, I-J=-84/811, H-I=-84/811, F-H=-84/811
 WEBS D-M=-56/412, E-M=-356/247, C-M=-346/226

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 213 lb uplift at joint B, 239 lb uplift at joint F, 612 lb uplift at joint K and 323 lb uplift at joint L.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss D02	Truss Type Common	Qty 2	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:31 2018 Page 1
 ID: JYPqXEp1H5YIkbwG3nivXyXUKP-bppfqUKB1nwJanfPXu38vj_zWP7IRcJlpcyMFBYSSoU



Scale = 1:43.2

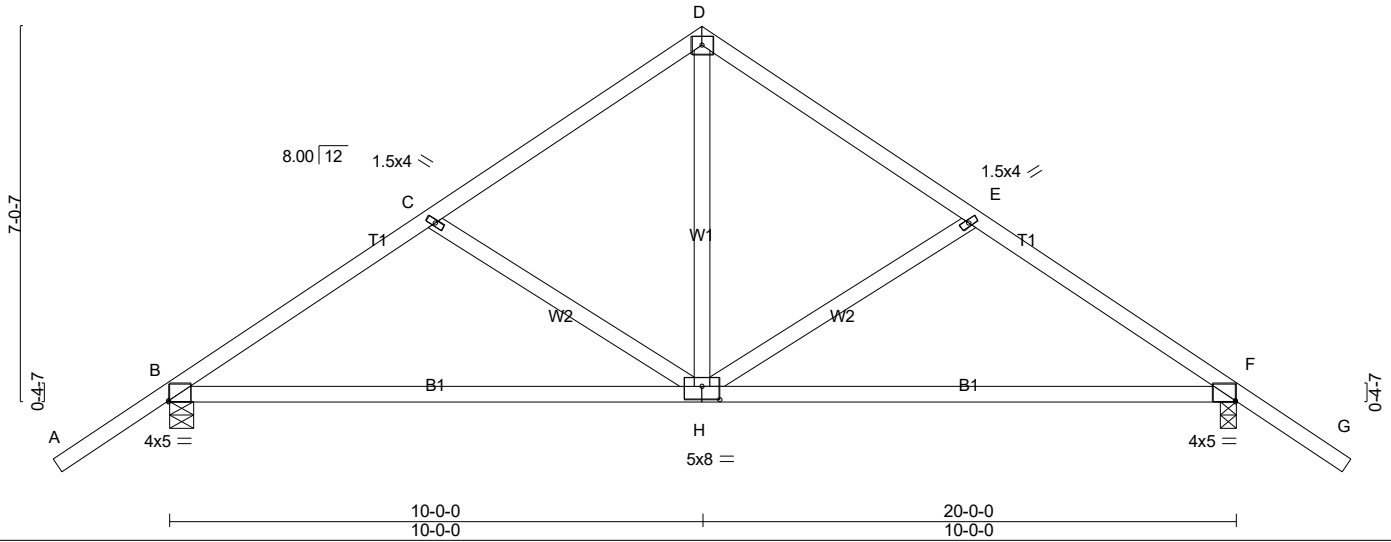


Plate Offsets (X,Y)-- [B:0-0-0,0-0-4], [F:0-0-0,0-0-4], [H:0-4-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.31	Vert(LL) -0.15	F-H	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.46	Vert(CT) -0.26	F-H	>911	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.23	Horz(CT) 0.03	F	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.02	F-H	>999	240		
	Code IRC2015/TPI2014						Weight: 91 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 5-11-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1035/0-5-8 (min. 0-1-8), F=1028/0-3-8 (min. 0-1-8)
 Max Horz B=-210(LC 6)
 Max Uplift B=-236(LC 8), F=-234(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1196/238, C-D=-874/206, D-E=-874/205, E-F=-1205/242
 BOT CHORD B-H=-210/901, F-H=-106/913
 WEBS D-H=-85/492, E-H=-350/228, C-H=-336/224

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint B and 234 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

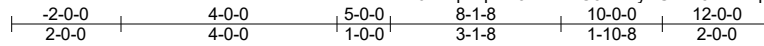
LOAD CASE(S) Standard

Job 18-103069T	Truss D03	Truss Type Common Girder	Qty 1	Ply 2	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-----------------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:32 2018 Page 1

ID:JYPqXEp1H5lYkbnwG3nivXyXUKP-3?N11qKpo52ACwEc5baNSwW5HpY3AyEu1GhwnySSoT



4x5 =

Scale = 1:42.5

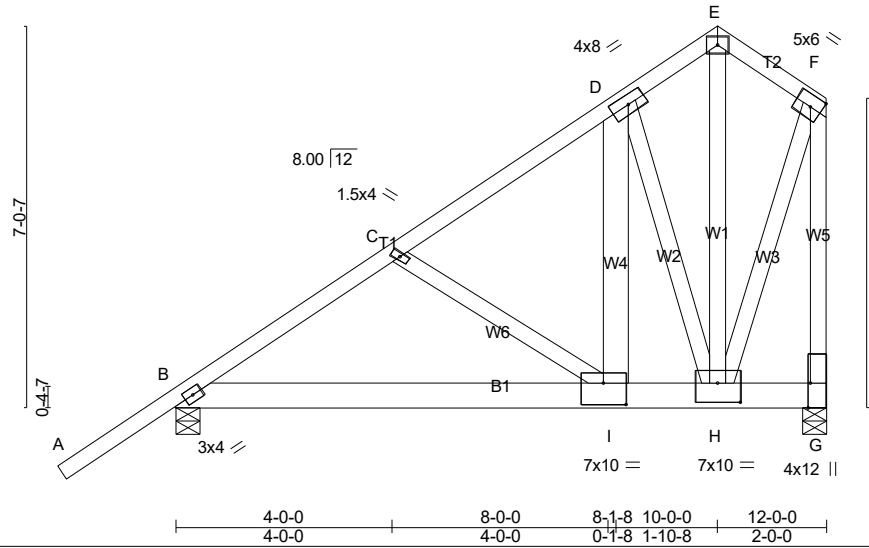


Plate Offsets (X,Y)-- [G:0-5-8,Edge], [H:0-5-0,0-4-4], [I:0-5-0,0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.50	Vert(LL) -0.04	B-I	>999	360		MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.17	Vert(CT) -0.07	B-I	>999	240			
BCLL 0.0 *	Lumber DOL 1.15	WB 0.70	Horz(CT) 0.01	G	n/a	n/a			
BCDL 7.0	Rep Stress Incr NO	Matrix-SH	Wind(LL) 0.04	B-I	>999	240			
	Code IRC2015/TPI2014							Weight: 192 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x6 DF 1800F 1.6E or 2x6 DF SS
 WEBS 2x4 DF Stud/Std *Except*
 W4: 2x6 DF 1800F 1.6E or 2x6 DF SS

BRACING-
 TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) B=2006/0-5-8 (min. 0-1-8), G=3885/0-5-8 (min. 0-2-1)
 Max Horz B=292(LC 8)
 Max Uplift B=-675(LC 8), G=-1401(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2881/985, C-D=-2635/943, D-E=-1293/479, E-F=-1290/484, F-G=-3760/1388
 BOT CHORD B-I=-986/2299, H-I=-851/2116
 WEBS F-H=-1175/3174, D-I=-1486/3584, E-H=-491/1288, D-H=-3255/1412, C-I=-270/193

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-2-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 675 lb uplift at joint B and 1401 lb uplift at joint G.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3455 lb down and 1545 lb up at 8-1-8, and 1242 lb down and 235 lb up at 10-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-E=-74, E-F=-74, B-G=-14

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	D03	Common Girder	1	2	Job Reference (optional)

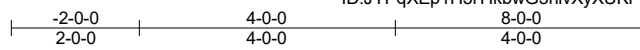
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:33 2018 Page 2
ID: JYPqXEp1H5IYIkbwG3nivXyXUKP-XBxPFALRZPA1p4pofJ5c_83F1DulvPU1GwRTJ4ySSoS

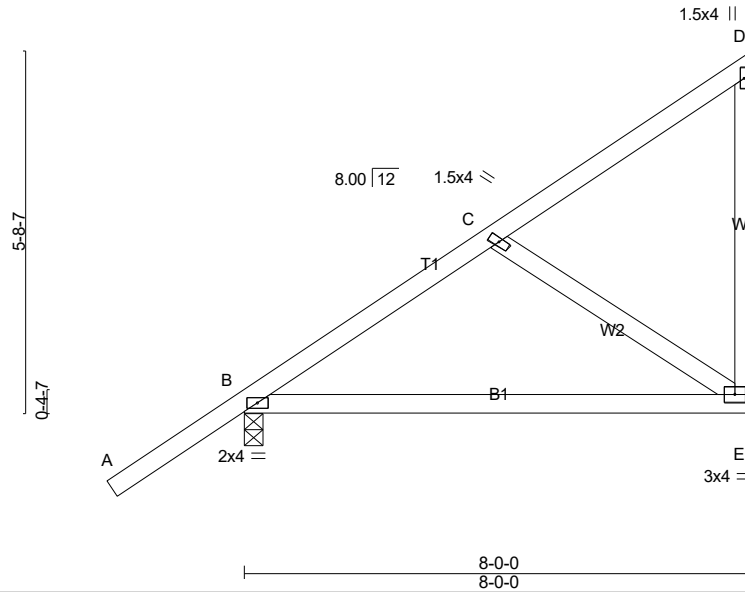
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: H=-1242(B) I=-3455(B)

Job 18-103069T	Truss EJ01	Truss Type Jack-Closed	Qty 26	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:34 2018 Page 1
 ID: JYPqXEp1H5YIkbwG3nivXyXUKP-0OVnSVM3KiltREO_C0crXLbT5dAke??BVaA0rWySSoR



Scale = 1:36.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.28	Vert(LL)	-0.19	B-E	>499	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.42	Vert(CT)	-0.31	B-E	>294		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.00	E	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-P	Wind(LL)	0.00	B	****	Weight: 40 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) E=315/Mechanical, B=528/0-3-8 (min. 0-1-8)
 Max Horz B=262(LC 8)
 Max Uplift E=-154(LC 8), B=-90(LC 8)
 Max Grav E=322(LC 15), B=528(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-347/6
 WEBS C-E=-259/188

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint E and 90 lb uplift at joint B.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

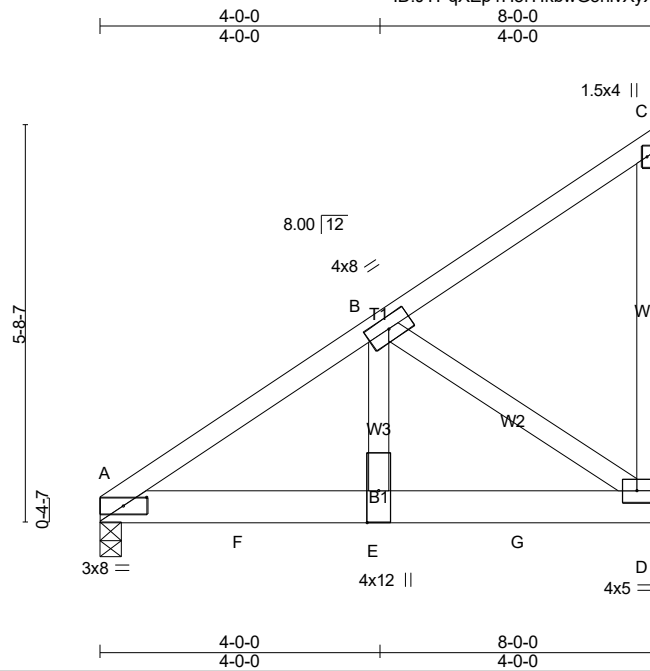
LOAD CASE(S) Standard

Job 18-103069T	Truss EJGDR	Truss Type JACK-CLOSED GIRDER	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	----------------	----------------------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:36 2018 Page 1

ID: JYPqXEp1H51YlkbwG3nivXyXUKP-ymdYtBOKsKYbhYYNKRFJcmhquQpw6jYUyuf7wPySSoP



Scale = 1:33.1

Plate Offsets (X,Y)-- [A:0-4-1,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.20	Vert(LL)	-0.04	A-E	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.56	Vert(CT)	-0.05	A-E	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.87	Horz(CT)	0.01	D	n/a	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-P	Wind(LL)	0.02	A-E	>999	240		
									Weight: 46 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x6 DF 1800F 1.6E or 2x6 DF SS
 WEBS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 4-5-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) A=1608/0-3-8 (min. 0-1-11), D=1636/Mechanical
 Max Horz A=212(LC 8)
 Max Uplift A=-291(LC 8), D=-440(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-2102/345
 BOT CHORD A-F=-446/1697, E-F=-446/1697, E-G=-446/1697, D-G=-446/1697
 WEBS B-E=-372/1974, B-D=-2054/540

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 291 lb uplift at joint A and 440 lb uplift at joint D.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 855 lb down and 188 lb up at 2-0-12, and 855 lb down and 188 lb up at 4-0-12, and 855 lb down and 188 lb up at 6-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-C=-74, A-D=-14
 Concentrated Loads (lb)
 Vert: E=-855(B) F=-855(B) G=-855(B)

Job 18-103069T	Truss F01	Truss Type Common Supported Gable	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:37 2018 Page 1
 ID: JYPqXEp1H5YIkbwG3nivXyXUKP-QzBw4XOyddgSli7Zu8AZ9_D?wqGErNldBYPhSrySSoO



4x5 =

Scale = 1:29.0

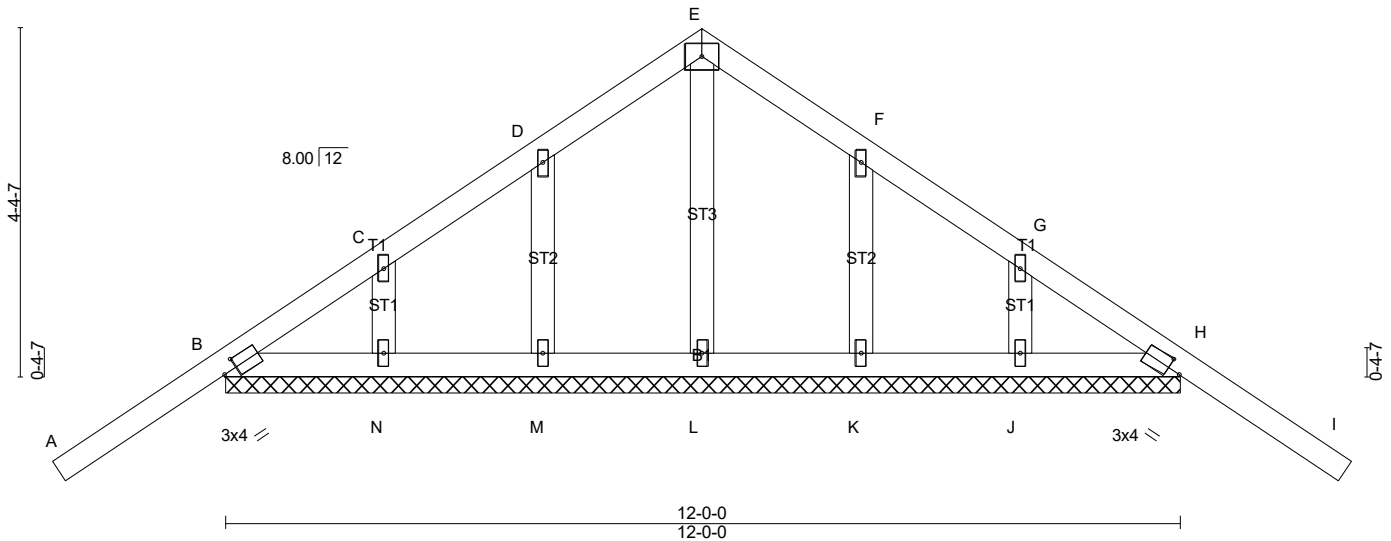


Plate Offsets (X,Y)-- [B:0-2-0,0-1-8], [H:0-2-0,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 30.0	Plate Grip DOL	1.15	TC 0.25	Vert(LL)	-0.04	l	n/r	120	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.11	Vert(CT)	-0.05	l	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	H	n/a	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-SH						Weight: 58 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 OTHERS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 12-0-0.
 (lb) - Max Horz B=-141(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) B, N, J except H=-104(LC 9), M=-105(LC 8), K=-104(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) L, M, N, K, J except B=337(LC 1), H=337(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

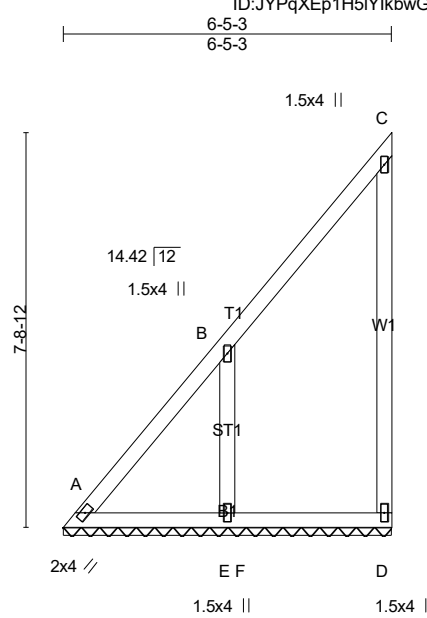
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BC DL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, N, J except (jt=lb) H=104, M=105, K=104.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) B.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss HFA01	Truss Type Lay-In Gable	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD Job Reference (optional)
-------------------	----------------	----------------------------	----------	----------	---

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

ID: JYPqXEp1H5YIkbwG3nivXyXUKP-MLlgVDQC9FwAY?Gy?ZC1EPJMBezSJFwuerunXkySSoM
8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:39 2018 Page 1



Scale = 1:45.0

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.13	Vert(LL)	n/a	-	n/a	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.06	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(CT)	0.00		n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-P					Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
WEBS 2x4 DF Stud/Std
OTHERS 2x4 DF Stud/Std

BRACING-
TOP CHORD
BOT CHORD

Sheathed or 6-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) A=94/6-5-3 (min. 0-1-8), D=103/6-5-3 (min. 0-1-8), E=328/6-5-3 (min. 0-1-8)
Max Horz A=293(LC 8)
Max Uplift A=-68(LC 6), D=-98(LC 8), E=-308(LC 8)
Max Grav A=263(LC 8), D=161(LC 15), E=432(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-381/195
WEBS B-E=-331/340

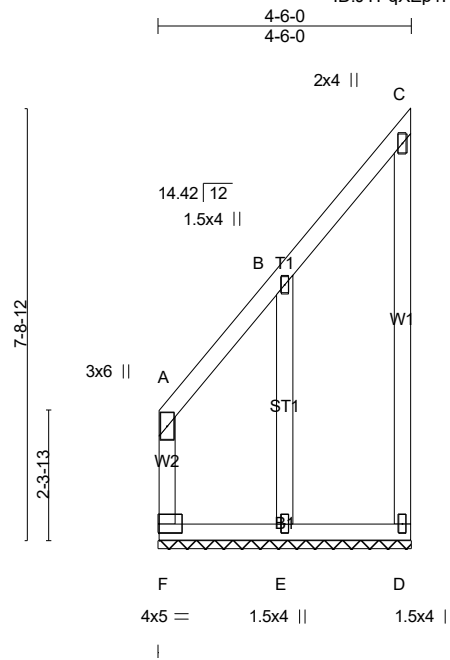
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Gable requires continuous bottom chord bearing.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, D except (jt=lb) E=308.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss HFA01A	Truss Type Lay-In Gable	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
					Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

ID: JYPqXEp1H5IYIkbwG3nivXyXUKP-qXs2jZRqvY2199r8ZHjGmcrUr1F12i63tVdL3AySSoL
8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:40 2018 Page 1



Scale = 1:41.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.33	Vert(LL)	n/a	-	n/a	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.30	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(CT)	-0.00	D	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-R					Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*
W1: 2x4 DF Stud/Std
OTHERS 2x4 DF Stud/Std

BRACING-
TOP CHORD
BOT CHORD

Sheathed or 4-6-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) F=74/4-6-0 (min. 0-1-8), D=74/4-6-0 (min. 0-1-8), E=223/4-6-0 (min. 0-1-8)
Max Horz F=206(LC 8)
Max Uplift F=-136(LC 6), D=-44(LC 8), E=-468(LC 8)
Max Grav F=412(LC 8), D=79(LC 15), E=338(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-F=-266/91, A-B=-331/153
WEBS B-E=-256/340

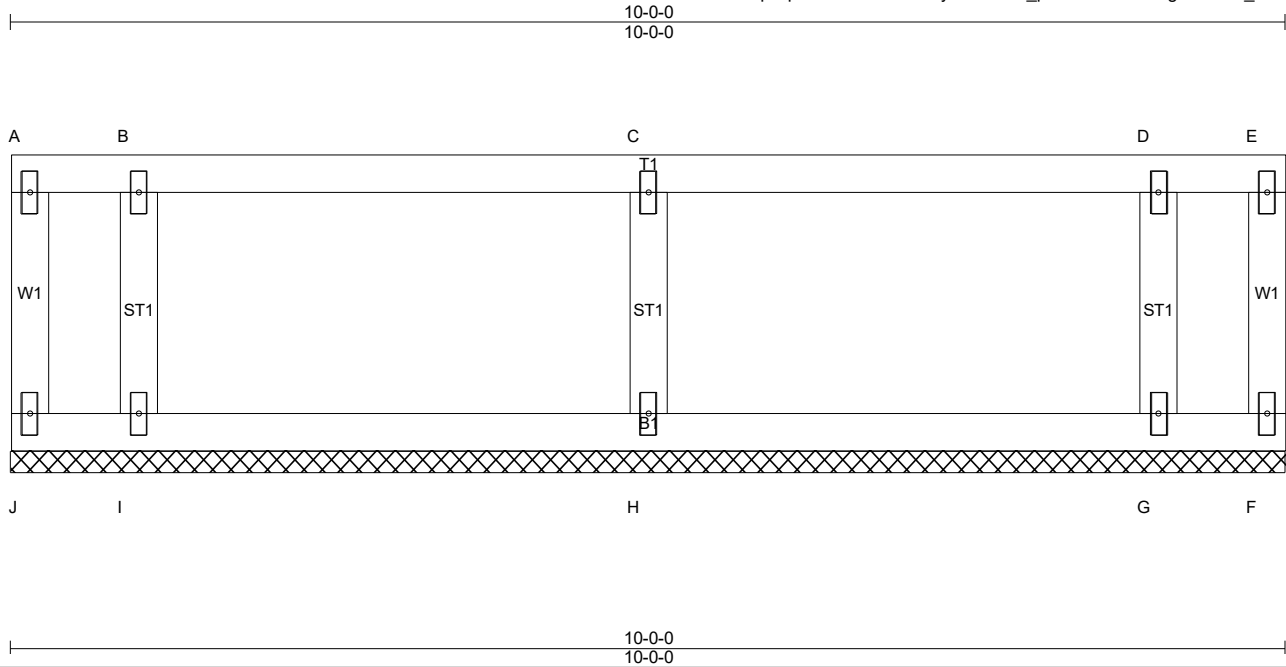
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Gable requires continuous bottom chord bearing.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D except (jt=lb) F=136, E=468.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	HFA01B	Lay-In Gable	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:42 2018 Page 1
 ID:JYPqXEp1H5YIkbwG3nivXyXUKP-nw_p8ES4RAIIPT?Xgilks1xtBr_BWdeMKp6R73ySSoJ



Scale = 1:18.1

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Vert(CT) n/a - n/a 999		
BCDL 7.0	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.00 F n/a n/a		
	Code IRC2015/TPI2014			Weight: 39 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud/Std
 OTHERS 2x4 DF Stud/Std

BRACING-
 TOP CHORD 2-0-0 oc purlins: A-E, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 10-0-0.
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) J, F, I, G except H=-102(LC 4)
 Max Grav All reactions 250 lb or less at joint(s) J, F except H=373(LC 1), I=311(LC 1), G=311(LC 1)

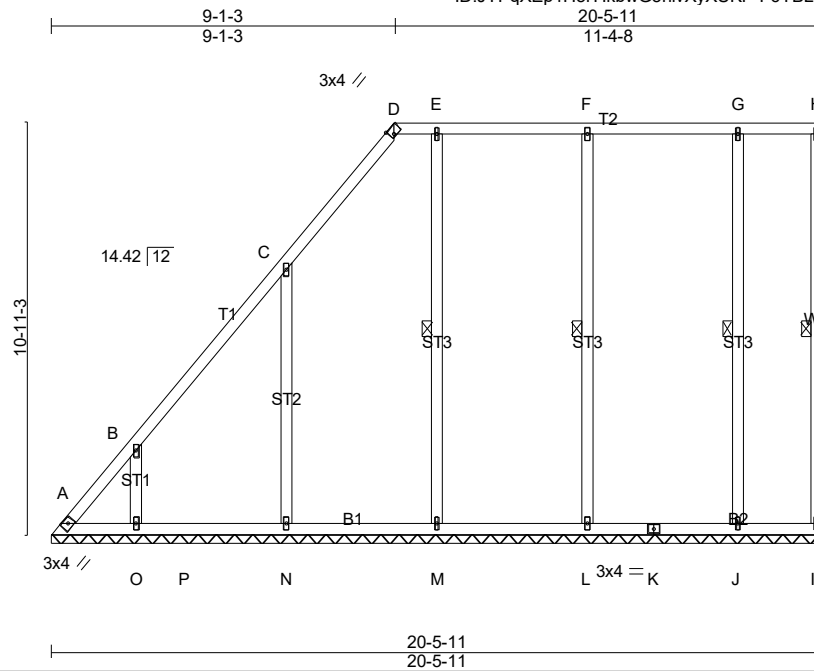
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS C-H=-314/138, B-I=-259/113, D-G=-259/113

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J, F, I, G except (jt=Ib) H=102.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 18-103069T	Truss HFA11	Truss Type Lay-In Gable	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:43 2018 Page 1
 ID:JYPqXEp1H5YIkbwG3nivXyXUKP-F6YBLaTjCTQc0dajEPHzOFT2dFJtF0qWZTs?gVySSol



Scale = 1:61.2

Plate Offsets (X,Y)-- [D:0-1-5,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.17	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.10	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.32	Horz(CT)	-0.00	l	n/a	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-SH							
									Weight: 130 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 OTHERS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E *Except*WEBS
 ST2,ST1: 2x4 DF Stud/Std

BRACING-

TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-H.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 1 Row at midpt H-I, E-M, F-L, G-J

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS.

All bearings 20-5-11.
 (lb) - Max Horz A=434(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) I, J except A=-178(LC 6), M=-115(LC 5), N=-344(LC 8), O=-280(LC 8), L=-111(LC 4)
 Max Grav All reactions 250 lb or less at joint(s) I except A=485(LC 8), M=411(LC 2), N=544(LC 15), O=378(LC 15), L=436(LC 22), J=316(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD A-B=-645/272, B-C=-398/210
 WEBS E-M=-298/148, C-N=-366/379, B-O=-299/307, F-L=-317/146, G-J=-252/111

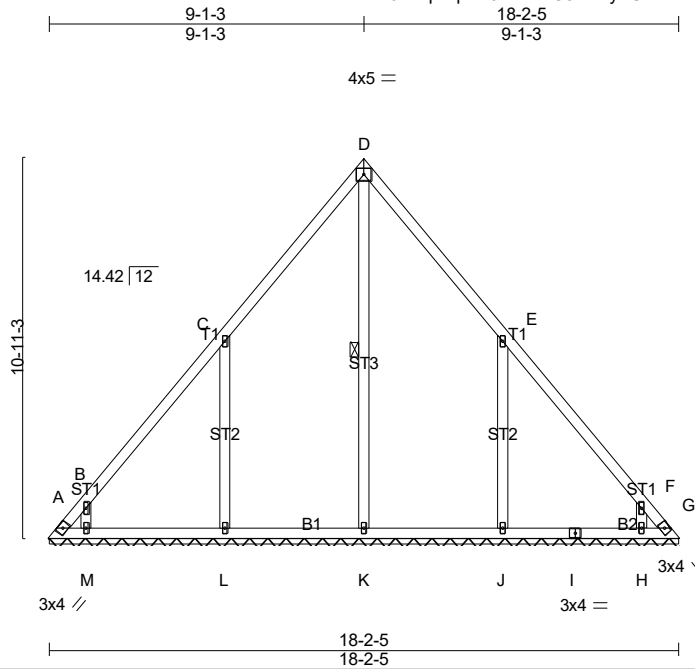
NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- Provide adequate drainage to prevent water ponding.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) I, J except (jt=lb) A=178, M=115, N=344, O=280, L=111.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 18-103069T	Truss HFB01	Truss Type Lay-In Gable	Qty 1	Ply 1	MICHAEL HAY SPRINGFIELD
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402					Job Reference (optional)

ID: JYPqXEp1H5YlkbwG3nivXyXUKP-BVgxmGUzk5hKGwk6MqJRTgZOV2?Cjyqo1nL6kNySSoG
8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:45 2018 Page 1



Scale = 1:66.3

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.18	Vert(LL)	n/a	-	n/a	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.10	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.01	G	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-SH					Weight: 93 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
OTHERS 2x4 DF Stud/Std *Except*
ST3: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt D-K

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 18-2-5.
(lb) - Max Horz A=291(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) except A=-261(LC 6), G=-219(LC 7), L=-366(LC 8), M=-293(LC 8), J=-366(LC 9), H=-294(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except A=408(LC 8), G=381(LC 9), K=390(LC 18), L=510(LC 15), M=349(LC 15), J=509(LC 16), H=349(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-514/310, B-C=-284/205, E-F=-257/149, F-G=-480/256
BOT CHORD A-M=-132/255, L-M=-132/255, K-L=-132/255, J-K=-132/255, I-J=-132/255, H-I=-132/255, G-H=-132/255
WEBS C-L=-392/400, B-M=-335/346, E-J=-392/400, F-H=-336/347

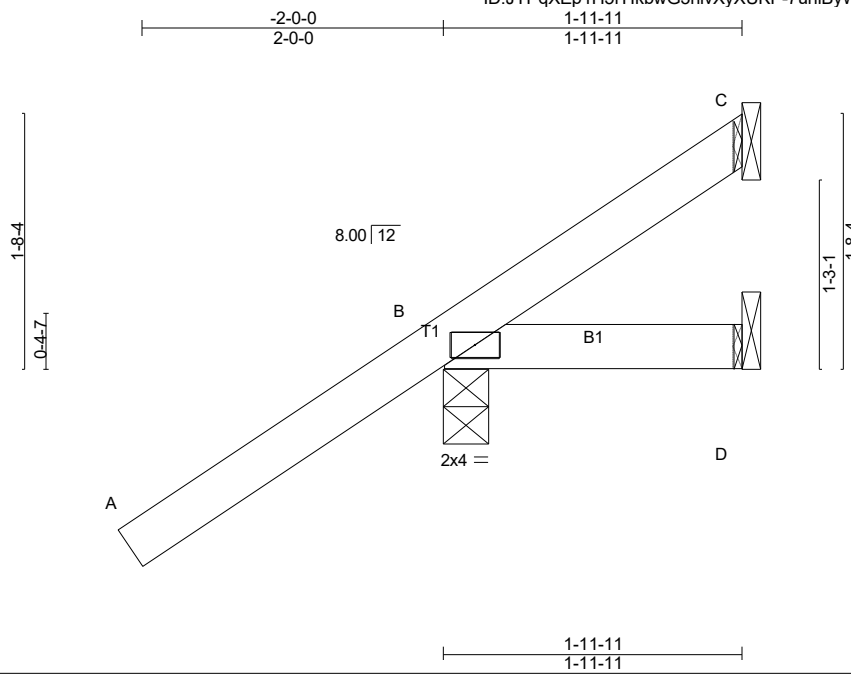
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 261 lb uplift at joint A, 219 lb uplift at joint G, 366 lb uplift at joint L, 293 lb uplift at joint M, 366 lb uplift at joint J and 294 lb uplift at joint H.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss J01	Truss Type Jack-Open	Qty 6	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-------------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:47 2018 Page 1
 ID: JYPqXEp1H5lYIkbwG3nivXyXUKP-7uniByWDGix1VEuUTFLvZ5ejHsi_Bvt5U5qCpGySSoE



Scale = 1:15.3

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 30.0	Plate Grip DOL	1.15	TC 0.25	Vert(LL)	-0.00	B	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	-0.00	B-D	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	C	n/a	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-P	Wind(LL)	0.00	B	****	240	Weight: 9 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 1-11-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) C=-14/Mechanical, B=326/0-3-8 (min. 0-1-8), D=14/Mechanical
 Max Horz B=102(LC 8)
 Max Uplift C=-14(LC 1), B=-106(LC 8)
 Max Grav C=20(LC 4), B=326(LC 1), D=33(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

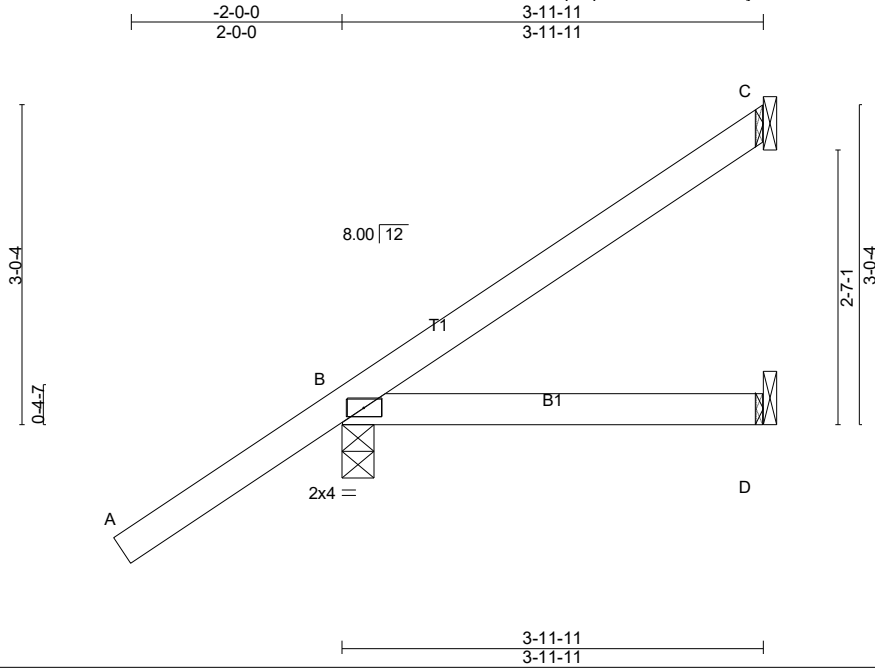
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint C and 106 lb uplift at joint B.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MICHAEL HAY SPRINGFIELD
18-103069T	J02	Jack-Open	6	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

ID: JYPqXEp1H5YIkbwG3nrvXyXUKP-b4L4OIxr103u7OSg1ys85iBtZG09wM7FjIzMLiySSoD 8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:48 2018 Page 1



Scale = 1:21.8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) -0.01 B-D >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.02 B-D >999 240		
BCDL 7.0	Rep Stress Incr YES	Matrix-P	Horz(CT) -0.00 C n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.00 B **** 240	Weight: 15 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 3-11-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) C=91/Mechanical, B=379/0-3-8 (min. 0-1-8), D=26/Mechanical
 Max Horz B=155(LC 8)
 Max Uplift C=-74(LC 8), B=-92(LC 8)
 Max Grav C=97(LC 15), B=379(LC 1), D=64(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

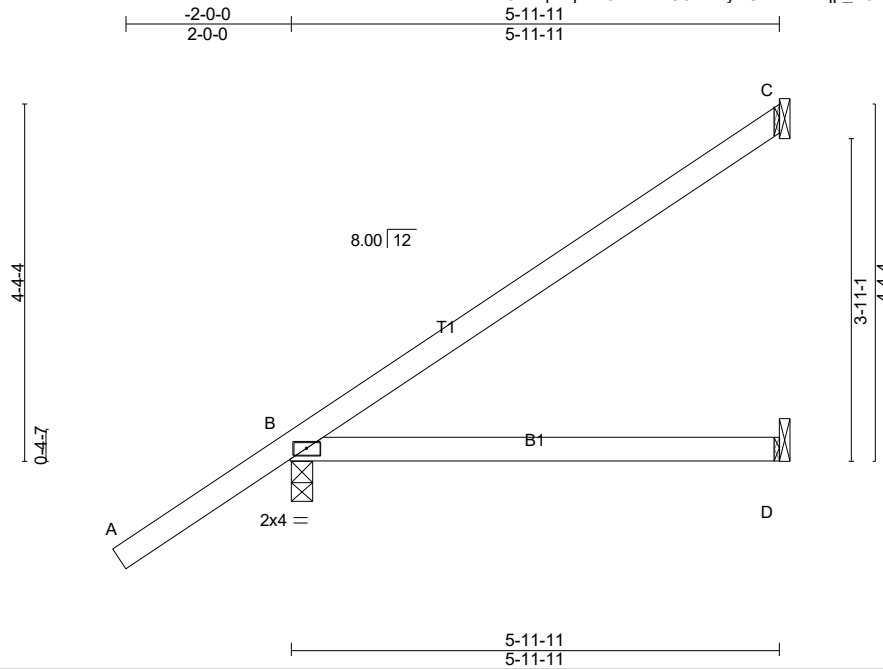
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint C and 92 lb uplift at joint B.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 18-103069T	Truss J03	Truss Type Jack-Open	Qty 6	Ply 1	MICHAEL HAY SPRINGFIELD
-------------------	--------------	-------------------------	----------	----------	-------------------------

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

ID: JYPqXEp1H5IYIkbwG3nivXyXUKP-YTTqp_Y6ZdJcMhc38NvcAjGAP3gYOFdYA32tQbySSoB
8.220 s Jul 21 2018 MiTek Industries, Inc. Wed Oct 17 15:04:50 2018 Page 1



Scale = 1:28.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 0.39	Vert(LL)	-0.06	B-D	>999	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.22	Vert(CT)	-0.10	B-D	>702		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	C	n/a		
BCDL 7.0	Code IRC2015/TPI2014		Matrix-P	Wind(LL)	0.00	B	****	Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
TOP CHORD Sheathed or 5-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) C=182/Mechanical, B=450/0-3-8 (min. 0-1-8), D=40/Mechanical
Max Horz B=210(LC 8)
Max Uplift C=-133(LC 8), B=-89(LC 8)
Max Grav C=188(LC 15), B=450(LC 1), D=98(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint C and 89 lb uplift at joint B.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard