

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 35.0	Plate Grip DOL	1.15	TC 0.98	Vert(LL)	-0.41	M-N	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.80	Vert(TL)	-0.69	M-N	>756	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.99	Horz(TL)	0.20	K	n/a	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL)	0.19	N	>999	240		
									Weight: 239 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*
 W6,W1,W2,W5: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed.
 BOT CHORD Rigid ceiling directly applied or 5-3-6 oc bracing.
 WEBS 1 Row at midpt G-K

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

REACTIONS. (lb/size) A=2050/0-5-8 (min. 0-2-3), K=3043/0-5-8 (min. 0-3-4)
 Max Horz A=-177(LC 9)
 Max Uplift A=402(LC 8), K=-778(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-4435/846, B-C=-4203/874, C-D=-3213/687, D-E=-2972/591, E-F=-3549/688, F-G=-3303/562, G-H=-931/2007, H-I=-826/1624
 BOT CHORD A-O=-858/3956, O-P=-597/3187, P-Q=-597/3187, N-Q=-597/3187, N-R=-309/2327, R-S=-309/2327, M-S=-309/2327, M-T=-370/2887, T-U=-370/2887,
 L-U=-370/2887, K-L=-243/1730, I-K=-1506/840
 WEBS B-O=-501/250, C-O=-237/859, C-N=-952/382, D-N=-318/1129, D-M=-242/920, E-M=-743/314, E-L=-145/474, F-L=-981/292, G-L=-268/1611,
 G-K=-4392/1058, H-K=-575/247

- 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
 - 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 (it=lb) A=402, K=778.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss B01	Truss Type Common	Qty 5	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402
 Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:30 2017 Page 1
 ID:rJRLWDLgTADDojal6i4LNFyEMeP-yLKENxq?jepyB1i3voWkaTQM8w?vKZ9mR_yxBCyEMJ7

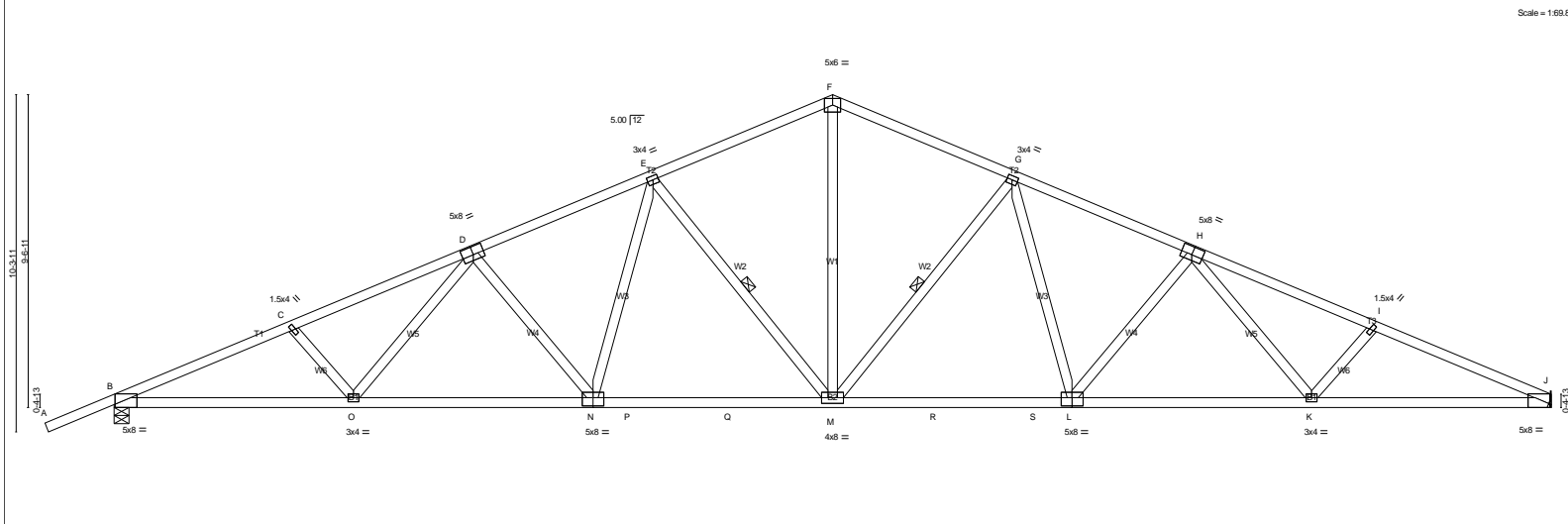
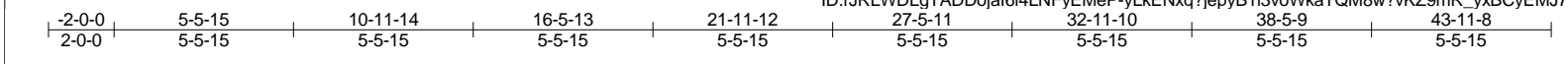


Plate Offsets (X,Y)-- [B:0-0-7,Edge], [D:0-4-0-0-3-0], [H:0-4-0-0-3-0], [J:0-0-7,Edge], [L:0-4-0-0-3-0], [N:0-4-0-0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.74	Vert(LL) -0.44 L-M >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.47	Vert(TL) -0.73 L-M >716 240		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.26 J n/a n/a		
	Code IBC2012/TPI2007		Wind(LL) 0.21 M-N >999 240		
				Weight: 220 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,W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 2-5-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-1-9 oc bracing.
 WEBS 1 Row at midpt G-M, E-M

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

REACTIONS. (lb/size) B=2337/0-5-8 (min. 0-2-8), J=2135/Mechanical
 Max Horz B=190(LC 8)
 Max Uplift B=472(LC 8), J=411(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=4614/858, C-D=-4360/829, D-E=-3671/704, E-F=-2838/564, F-G=-2839/560, G-H=-3703/716, H-I=-4513/874, I-J=-4795/911
 BOT CHORD B-O=-887/4117, N-O=-727/3714, N-P=-532/3145, P-Q=-532/3145, M-Q=-532/3145, M-R=-393/3165, R-S=-393/3165, L-S=-393/3165, K-L=-584/3776,
 J-K=-780/4315
 WEBS F-M=-303/1684, G-M=-1042/350, G-L=-152/678, H-L=-711/268, H-K=-118/529, I-K=-388/195, E-M=-1013/342, E-N=-143/647, D-N=-664/254,
 D-O=-84/417, C-O=-305/170

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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
 - 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) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) B=472, J=411.
 - 7) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss B02	Truss Type Common	Qty 2	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402
 Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:30 2017 Page 1
 ID:rJRLWDLgTADDojal6I4LNFyEMeP-yLkENxq?jepyB1i3voWkaTQM6w?tKZ9mR_yxBCyEMJ7

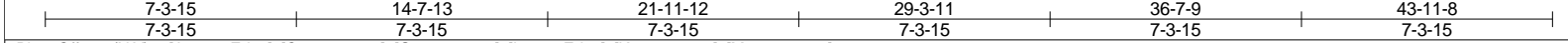
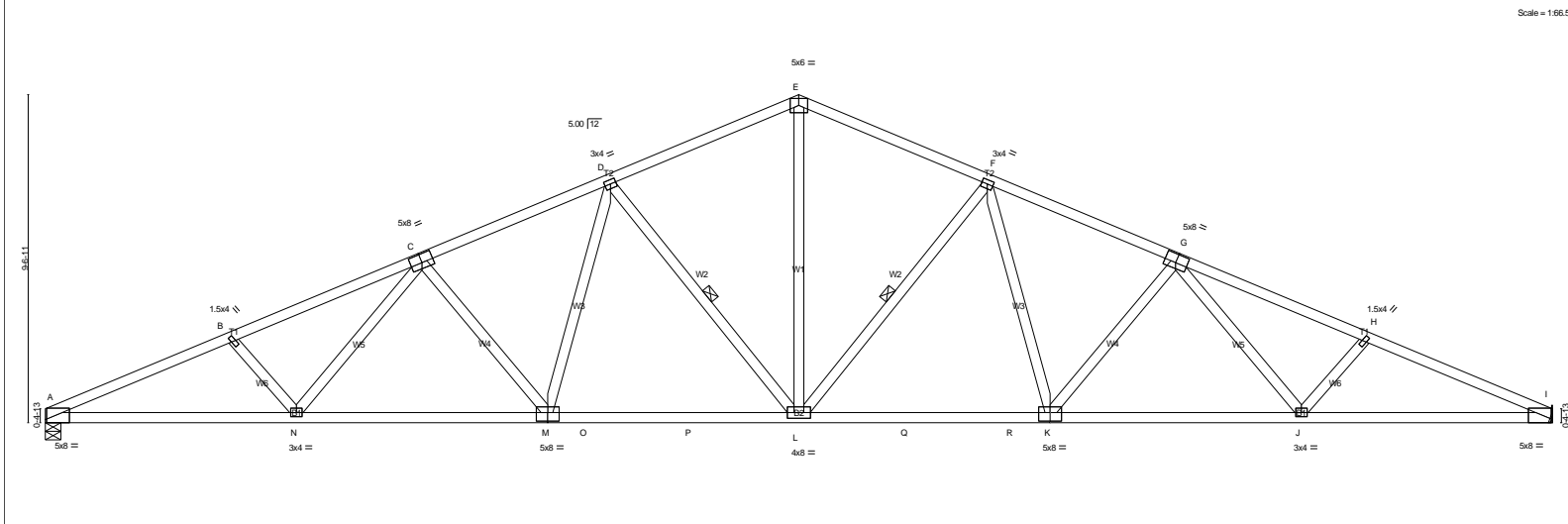
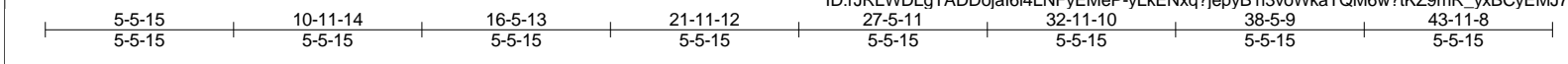


Plate Offsets (X,Y)-- [A:0-0-7,Edge], [C:0-4-0-0-3-0], [G:0-4-0-0-3-0], [I:0-0-7,Edge], [K:0-4-0-0-3-0], [M:0-4-0-0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	Plate Grip DOL	1.15	TC 0.61	Vert(LL) -0.44	L	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.74	Vert(TL) -0.74	K-L	>713	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.47	Horz(TL) 0.27	I	n/a	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL) 0.21	L-M	>999	240	Weight: 217 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,W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 2-5-7 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-11-9 oc bracing.
 WEBS 1 Row at midpt F-L, D-L

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

REACTIONS. (lb/size) A=2140/0-5-8 (min. 0-2-5), I=2140/Mechanical
 Max Horz A=163(LC 8)
 Max UpliftA=410(LC 8), I=411(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-4703/890, B-C=-4441/858, C-D=-3695/712, D-E=-2852/566, E-F=-2852/564, F-G=-3715/718, G-H=-4525/876, H-I=-4808/913
 BOT CHORD A-N=-920/4209, M-N=-740/3749, M-O=-539/3164, O-P=-539/3164, L-P=-539/3164, L-Q=-397/3177, Q-R=-397/3177, K-R=-397/3177, J-K=-585/3788, I-J=-782/4327
 WEBS E-L=-304/1695, F-L=-1042/350, F-K=-152/678, G-K=-711/268, G-J=-118/529, H-J=-388/195, D-L=-1025/346, D-M=-147/658, C-M=-686/262, C-N=-105/475, B-N=-336/182

- 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
 - 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 (it=lb) A=410, I=411.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss B03	Truss Type Common	Qty 12	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:30 2017 Page 1
ID:rJRLWDLgTADDojal6i4LNfyEMeP-yLkENxq?jepYB1i3voWkaTQGGuw_dKUhmR_yxBCyEMJ7

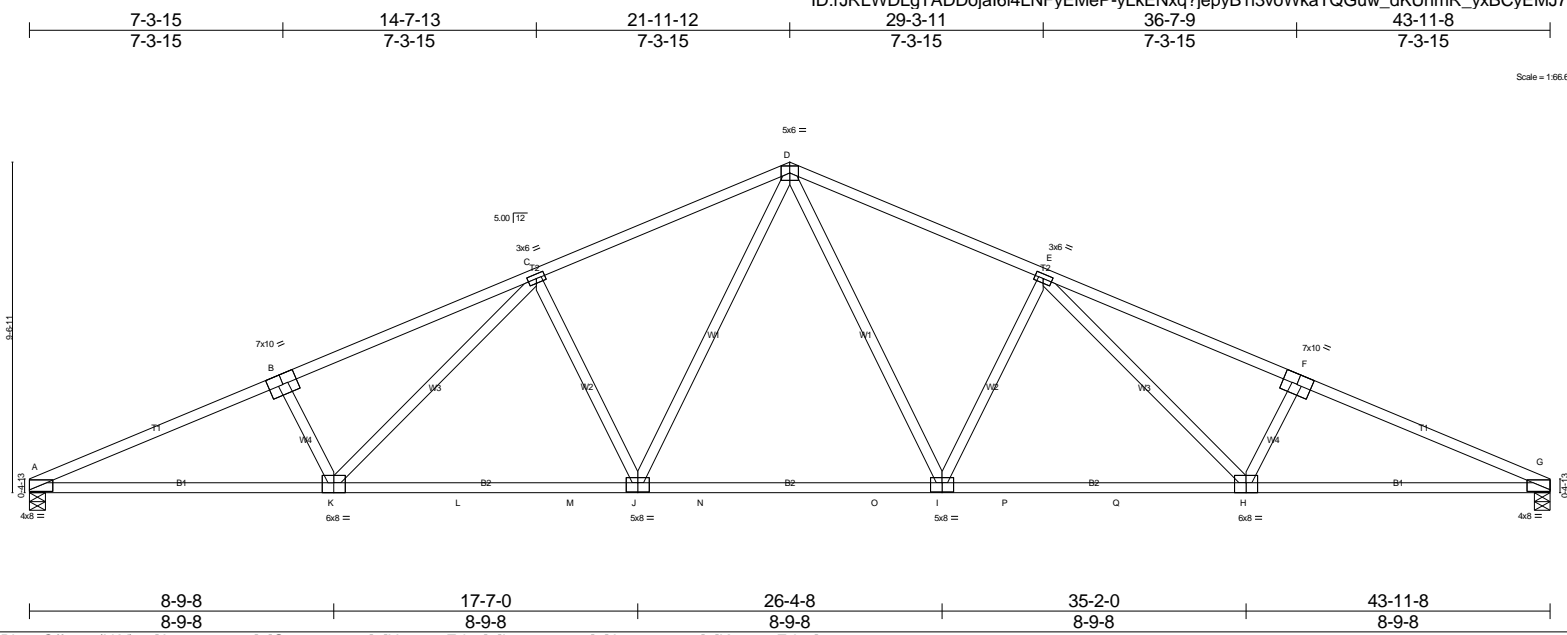


Plate Offsets (X,Y)-- [A:0-0-0,0-0-8], [G:0-0-0,0-0-8], [H:0-4-0,Edge], [I:0-4-0,0-3-4], [J:0-4-0,0-3-4], [K:0-4-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 35.0	2-0-0	TC 1.00	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.82	Vert(LL) -0.48 I-J >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.82	Vert(TL) -0.81 I-J >644 240		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.25 G n/a n/a		
	Code IBC2012/TPI2007		Wind(LL) 0.21 I-J >999 240		
				Weight: 200 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,W4: 2x4 DF Stud/Std

BRACING-
TOP CHORD Sheathed.
BOT CHORD Rigid ceiling directly applied or 7-0-1 oc bracing.

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

REACTIONS. (lb/size) A=2132/0-5-8 (min. 0-2-4), G=2132/0-5-8 (min. 0-2-4)
Max Horz A=-163(LC 9)
Max Uplift A=409(LC 8), G=-409(LC 9)

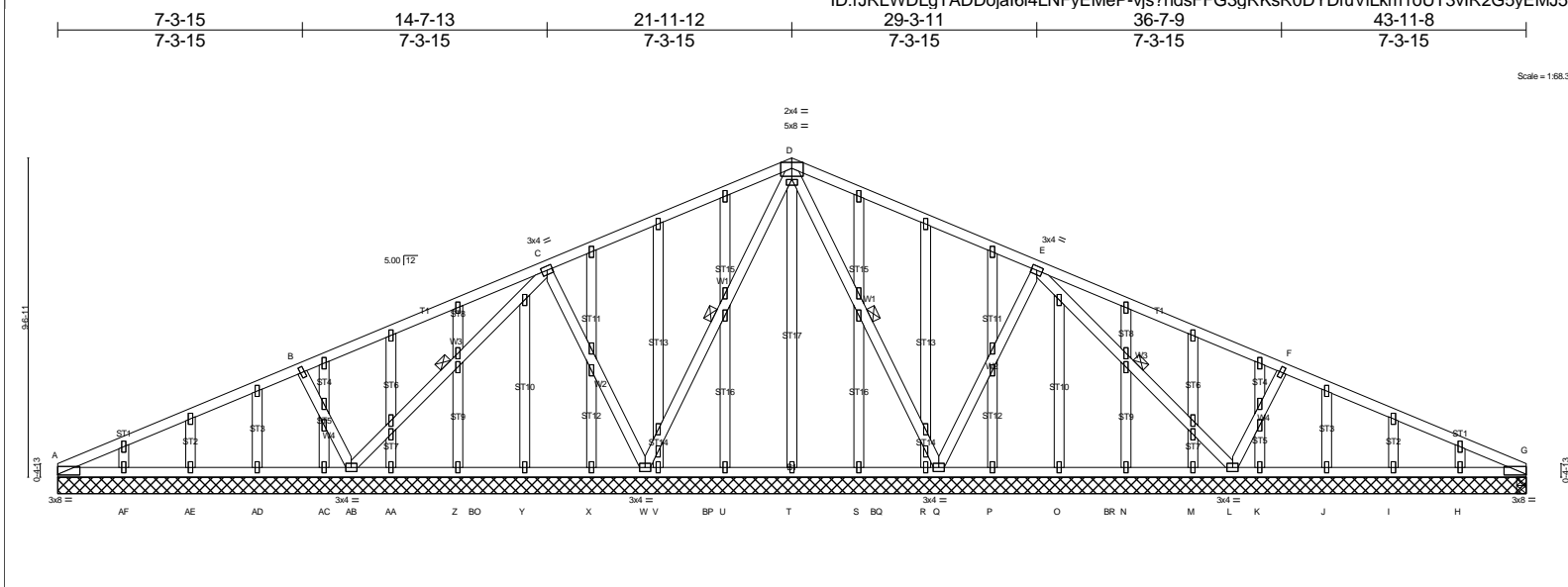
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-4632/864, B-C=-4369/876, C-D=-3354/681, D-E=-3354/681, E-F=-4369/876, F-G=-4632/864
BOT CHORD A-K=-881/4136, K-L=-620/3374, L-M=-620/3374, J-M=-620/3374, J-N=-332/2521, N-O=-332/2521, I-O=-332/2521, I-P=-457/3374, P-Q=-457/3374,
H-Q=-457/3374, G-H=-718/4136
WEBS D-I=-295/1088, E-I=-956/379, E-H=-220/829, F-H=-501/250, D-J=-295/1088, C-J=-956/379, C-K=-220/829, B-K=-501/250

- 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
 - 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) A=409, G=409.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss B04	Truss Type Common Structural Gable	Qty 2	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 Run: 8:110 s Oct 20 2017 Print: 8:110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:32 2017 Page 1
ID:rJRLWDLgTADDojal6i4LNFyEMeP-vjs?ndsFFG3gRksR0DYDfuViLkm1oUT3vIR2G5yEMJ5



8-9-8	17-7-0	26-4-8	35-2-0	43-11-8
8-9-8	8-9-8	8-9-8	8-9-8	8-9-8

Plate Offsets (X,Y)-- [D:0-2-0,0-0-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 35.0	Plate Grip DOL	1.15	TC 0.62	Vert(LL)	-0.01	G-H	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.44	Vert(TL)	-0.01	G-H	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.41	Horz(TL)	0.01	G	n/a	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL)	0.01	A-AF	>999	240		
									Weight: 329 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 *Except*
ST17: 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 6-0-0 oc bracing.
WEBS 1 Row at midpt D-Q, E-L, D-W, C-AB

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

REACTIONS. All bearings 43-11-8.
(lb) - Max Horz A=163(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) A, G, AE, AF, I, H except Q=-241(LC 9), L=-311(LC 9), W=-276(LC 8), AB=-303(LC 8)
Max Grav All reactions 250 lb or less at joint(s) A, G, G, T, U, V, X, Y, Z, AA, AC, AD, AE, S, R, P, O, N, M, K, J, I except Q=756(LC 1), L=763(LC 20), W=756(LC 1), AB=763(LC 19), AF=274(LC 19), H=274(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-282/94, C-D=-52/257, F-G=-282/44
WEBS D-Q=-352/51, E-Q=-485/249, E-L=-333/98, F-L=-573/269, D-W=-352/56, C-W=-485/254, C-AB=-333/86, B-AB=-573/270

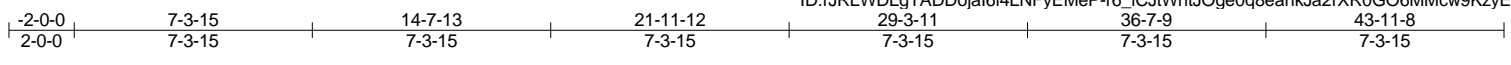
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) 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.
 - 4) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * 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.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, G, AE, AF, I, H except (jt=lb) Q=241, L=311, W=276, AB=303.
 - 9) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss B05	Truss Type GABLE	Qty 2	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:34 2017 Page 1
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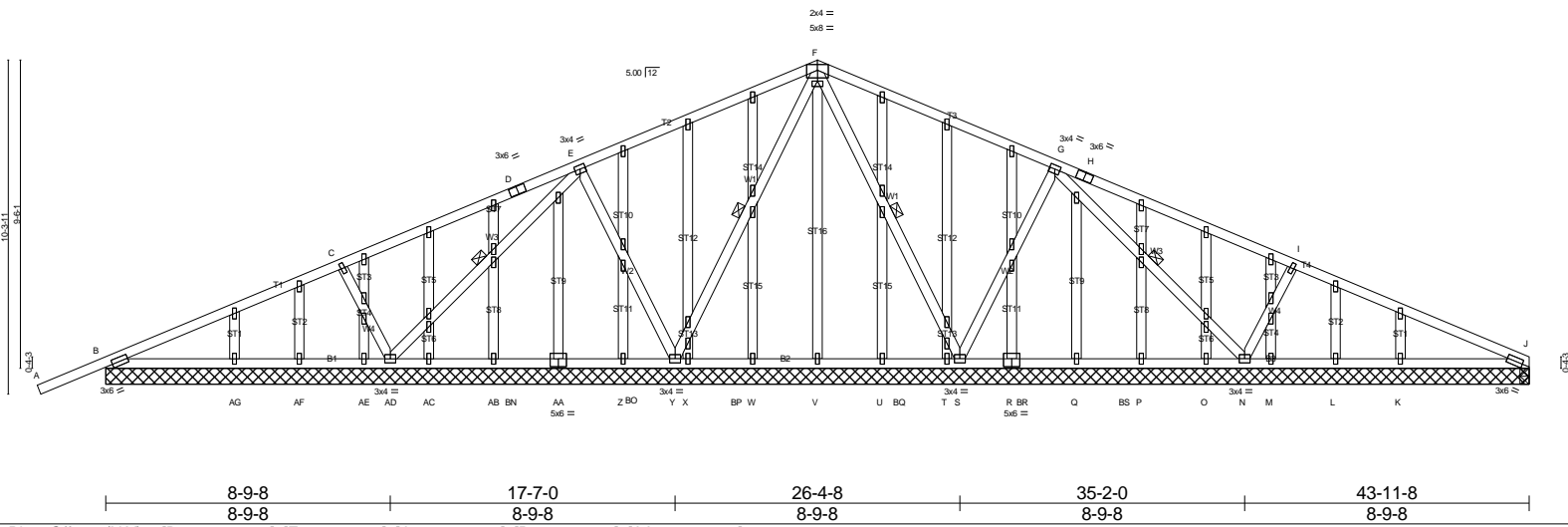


Plate Offsets (X,Y) -- [B:0-2-13,0-1-8], [F:0-2-0,0-0-0], [J:0-2-13,0-1-8], [R:0-3-0,0-3-0], [AA:0-3-0,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 35.0	Plate Grip DOL	1.15	TC 0.62	Vert(LL)	-0.03	J-K	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.41	Vert(TL)	-0.05	J-K	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.40	Horz(TL)	0.01	J	n/a	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL)	0.02	J-K	>999	240		
									Weight: 329 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, W4: 2x4 DF Stud/Std
 OTHERS 2x4 DF Stud/Std *Except*
 ST16: 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 6-0-0 oc bracing.
 WEBS 1 Row at midpt F-S, G-N, F-Y, E-AD

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

REACTIONS. All bearings 43-11-8.
 (lb) - Max Horz B=191(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) AC, AF, AG, T, L, K, J except B=129(LC 4), S=206(LC 9), N=311(LC 9), Y=289(LC 8), AD=296(LC 8)
 Max Grav All reactions 250 lb or less at joint(s) V, W, X, Z, AB, AC, AE, AF, AG, U, Q, P, O, M, L, K except B=508(LC 19), S=802(LC 1), N=761(LC 20), Y=727(LC 1), AD=763(LC 19), J=286(LC 20), J=283(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=270/92, D-E=23/255, E-F=52/257, G-H=0/251, I-J=270/42
 WEBS F-S=352/51, G-S=477/246, G-N=349/104, I-N=585/273, F-Y=352/56, E-Y=480/252, E-AD=349/91, C-AD=574/269

- 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
 - 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, with BCDL = 7.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) AC, AF, AG, T, L, K, J except (jt=lb) B=129, S=206, N=311, Y=289, AD=296.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

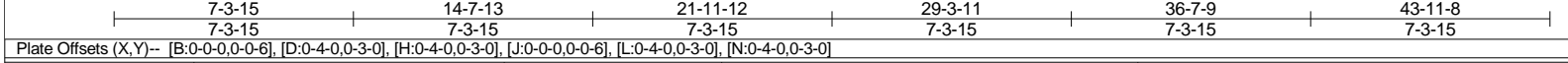
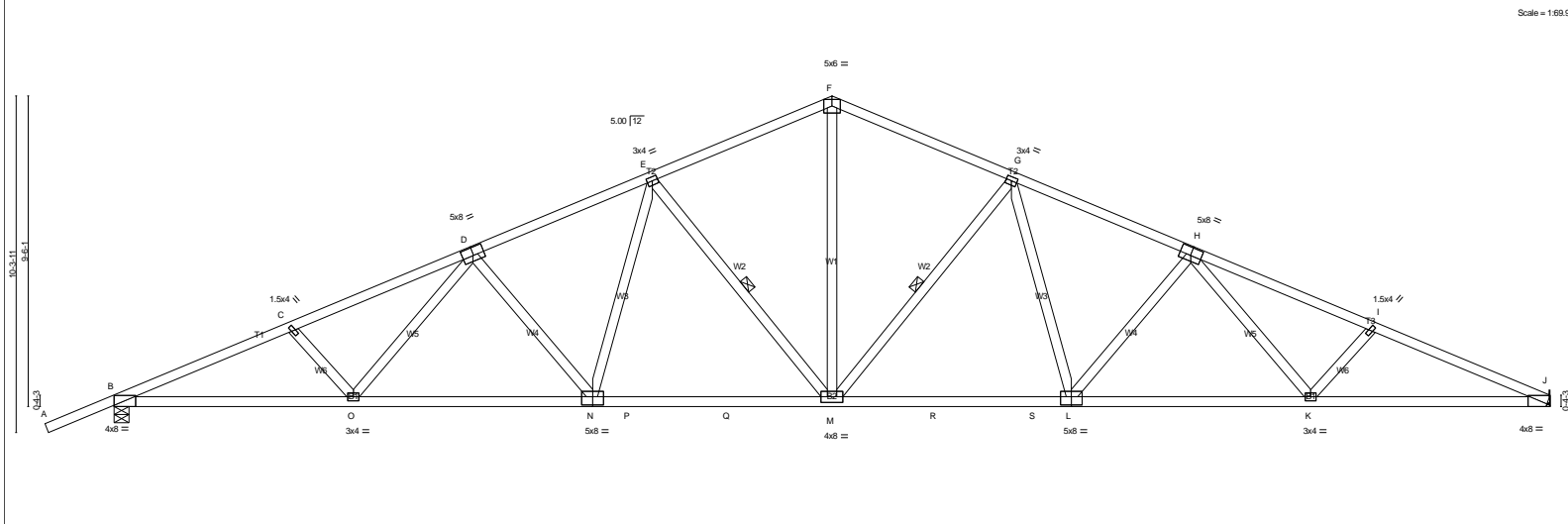
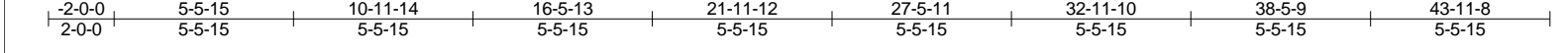


Plate Offsets (X,Y)-- [B:0-0-0-0-6], [D:0-4-0-0-3-0], [H:0-4-0-0-3-0], [J:0-0-0-0-0-6], [L:0-4-0-0-3-0], [N:0-4-0-0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 35.0	Plate Grip DOL 1.15		TC 0.60	Vert(LL) -0.45	L-M	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL 1.15		BC 0.76	Vert(TL) -0.75	L-M	>699	240		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.47	Horz(TL) 0.27	J	n/a	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL) 0.21	M-N	>999	240		
								Weight: 219 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,W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 2-5-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-0-12 oc bracing.
 WEBS 1 Row at midpt G-M, E-M

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

REACTIONS. (lb/size) B=2337/0-5-8 (min. 0-2-8), J=2135/Mechanical
 Max Horz B=191(LC 12)
 Max Uplift B=473(LC 8), J=411(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=4697/874, C-D=4431/840, D-E=3701/708, E-F=2854/566, F-G=2854/561, G-H=3733/721, H-I=4586/886, I-J=4883/929
 BOT CHORD B-O=904/4211, N-O=733/3750, N-P=536/3168, P-Q=536/3168, M-Q=536/3168, M-R=396/3188, R-S=396/3188, L-S=396/3188, K-L=591/3813, J-K=801/4413
 WEBS F-M=304/1695, G-M=1049/351, G-L=155/691, H-L=724/270, H-K=125/564, I-K=424/205, E-M=1020/343, E-N=146/659, D-N=677/257, D-O=91/450, C-O=339/179

- 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
 - 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 (it=lb) B=473, J=411.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss C01	Truss Type Common Structural Gable	Qty 1	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402
 Run: 8:110 s Oct 20 2017 Print: 8:110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:36 2017 Page 1
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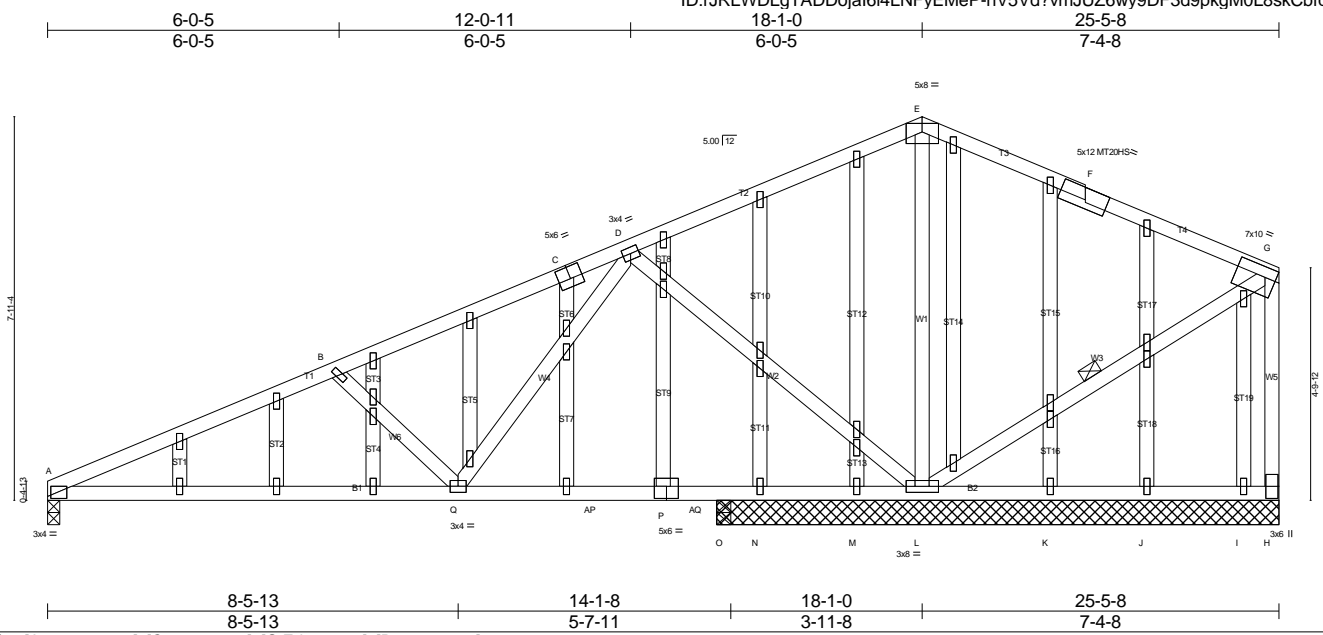


Plate Offsets (X,Y)-- [A:0-0-12,0-0-8], [C:0-3-0,0-3-0], [G:Edge,0-2-8], [P:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.71	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.32	Vert(LL) -0.10 A-Q >999 360	MT20HS	165/146
BCLL 0.0 *	Lumber DOL 1.15	WB 0.79	Vert(TL) -0.24 A-Q >700 240		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) -0.01 A n/a n/a		
	Code IBC2012/TPI2007		Wind(LL) 0.05 A-Q >999 240		
				Weight: 193 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,W4: 2x4 DF Stud/Std
 OTHERS 2x4 DF Stud/Std

BRACING-
 TOP CHORD Sheathed or 5-10-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt G-L

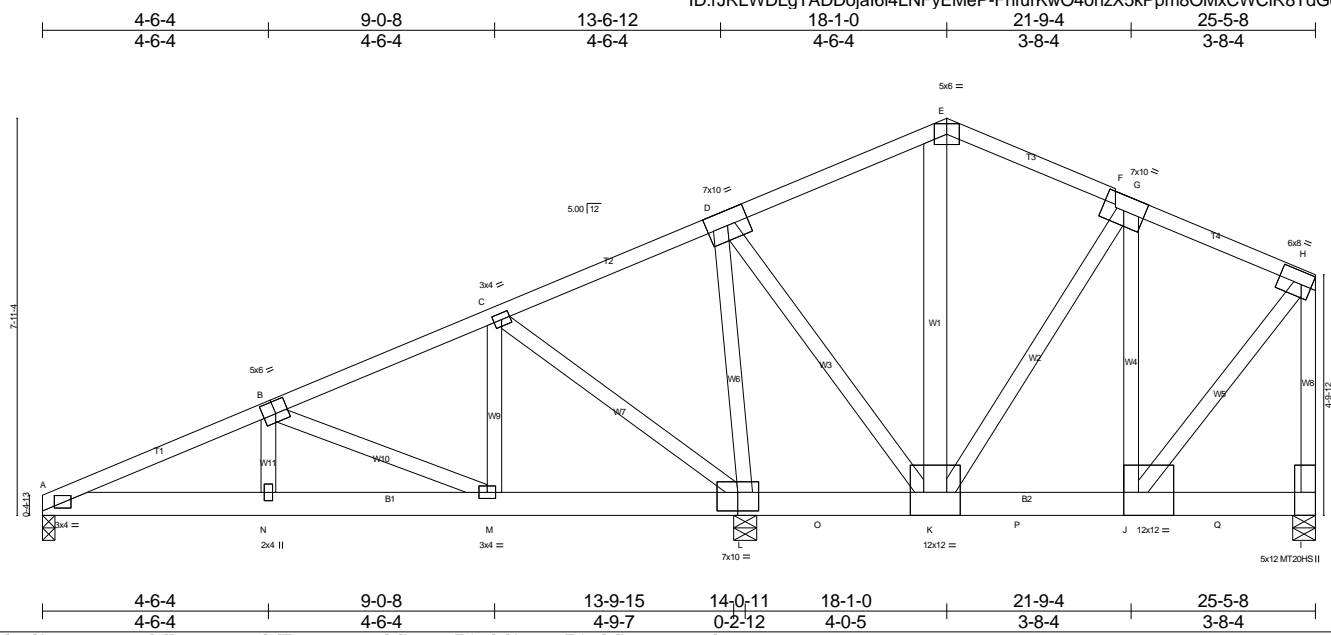
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 11-7-8 except (jt=length) A=0-3-0, O=0-3-8.
 (lb) - Max Horz N=240(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) I except H=467(LC 19), L=478(LC 8), N=111(LC 14), A=142(LC 8)
 Max Grav All reactions 250 lb or less at joint(s) H, N, M, K, J, I, O except L=1864(LC 1), A=660(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-1087/243, B-C=-716/165, C-D=-538/175, D-E=-93/601, E-F=-71/617, F-G=-84/519, G-H=-168/466
 BOT CHORD A-Q=-164/937
 WEBS B-Q=-519/236, D-Q=-132/597, D-L=-927/344, E-L=-938/204, G-L=-592/130

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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
 - 3) 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.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * 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.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) I except (jt=lb) H=467, L=478, N=111, A=142.
 - 10) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Scale = 1/48.1

Plate Offsets (X,Y)-- [A:0-2-14,0-0-11], [B:0-3-0,0-3-0], [F:0-0-10,0-0-1-7], [I:0-5-8,Edge], [J:0-3-8,Edge], [L:0-5-0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.81	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.51	Vert(LL) -0.05 J-K >999 360	MT20HS	165/146
BCLL 0.0 *	Lumber DOL 1.15	WB 0.95	Vert(TL) -0.09 J-K >999 240		
BCDL 7.0	Rep Stress Incr NO	Matrix-SH	Horz(TL) -0.01 A n/a n/a		
	Code IBC2012/TPI2007		Wind(LL) 0.03 J-K >999 240		
				Weight: 348 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"
W1: 2x6 DF 1800F 1.6E or 2x6 DF SS
W5: 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: K-L.

REACTIONS. (lb/size) A=686/0-3-0 (min. 0-1-8), L=6542/0-5-8 (min. 0-3-8), I=5849/0-5-8 (min. 0-3-2)
Max Horz L=237(LC 8)
Max Uplift A=135(LC 8), L=1319(LC 8), I=1178(LC 9)
Max Grav A=687(LC 19), L=6542(LC 1), I=5912(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1342/243, B-C=-699/122, C-D=-397/332, D-E=-2640/604, E-F=-2633/584, F-G=-2637/574, G-H=-3228/658, H-I=-5022/1017
BOT CHORD A-N=-177/1164, M-N=-178/1158, L-M=-21/581, L-O=-258/68, K-O=-258/68, K-P=-574/2927, J-P=-574/2927
WEBS B-M=-630/205, C-L=-522/253, D-L=-4775/972, D-K=-797/4323, E-K=-425/1852, G-K=-1055/253, G-J=-163/976, H-J=-911/4654

- 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, 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
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=135, L=1319, I=1178.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2126 lb down and 425 lb up at 15-7-4, 2121 lb down and 425 lb up at 17-7-4, 2121 lb down and 425 lb up at 19-7-4, and 2121 lb down and 425 lb up at 21-7-4, and 2121 lb down and 425 lb up at 23-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-E=-84, E-H=-84, A-I=-14
Concentrated Loads (lb)
Vert: K=-2121(F) J=-2121(F) O=-2126(F) P=-2121(F) Q=-2121(F)

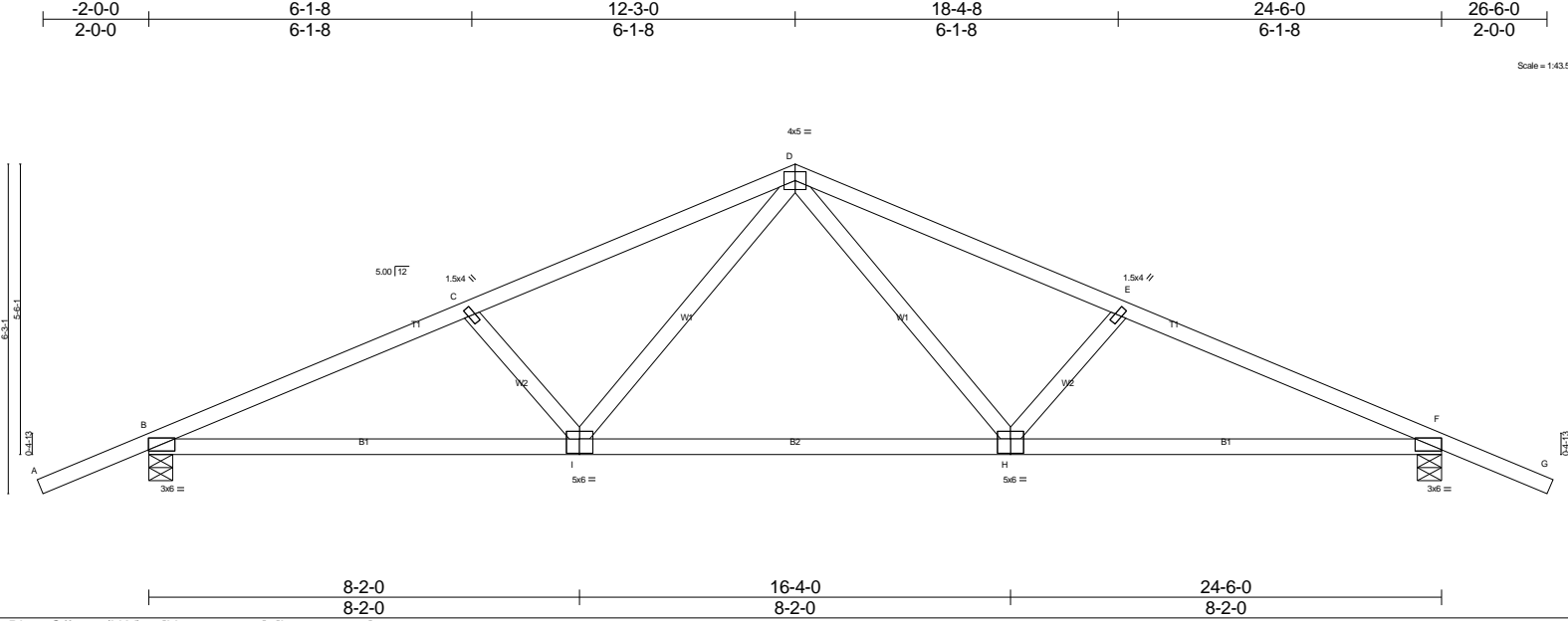


Plate Offsets (X,Y)-- [H:0-3-0,0-3-4], [I:0-3-0,0-3-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 35.0	Plate Grip DOL	1.15	TC 0.43	Vert(LL)	-0.13	H-I	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.36	Vert(TL)	-0.25	H-I	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.28	Horz(TL)	0.07	F	n/a	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL)	0.06	H-I	>999	240		
									Weight: 101 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 4-1-14 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=1370/0-5-8 (min. 0-1-8), F=1370/0-5-8 (min. 0-1-8)
Max Horz B=-105(LC 9)
Max Uplift B=-288(LC 8), F=-288(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2283/420, C-D=-1957/375, D-E=-1957/375, E-F=-2283/420
BOT CHORD B-I=-400/1997, H-I=-164/1339, F-H=-296/1997
WEBS D-H=-141/625, E-H=-489/235, D-I=-141/625, C-I=-489/234

- 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
 - 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) except (it=lb) B=288, F=288.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss D02	Truss Type Common	Qty 1	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:38 2017 Page 1
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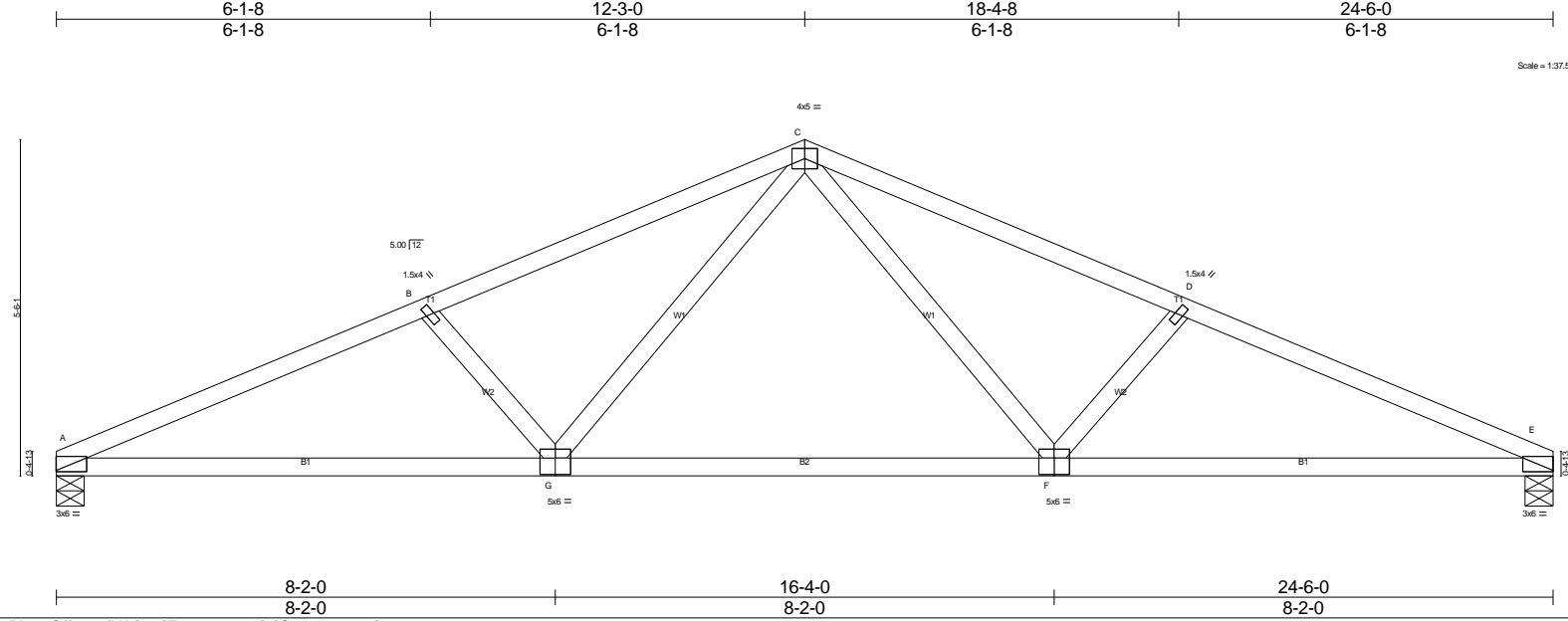


Plate Offsets (X,Y)-- [F:0-3-0,0-3-4], [G:0-3-0,0-3-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.45	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.46	Vert(LL) -0.13 E-F >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.30	Vert(TL) -0.25 E-F >999 240		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.07 E n/a n/a		
	Code IBC2012/TPI2007		Wind(LL) 0.07 A-G >999 240	Weight: 95 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 3-11-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-11-14 oc bracing.

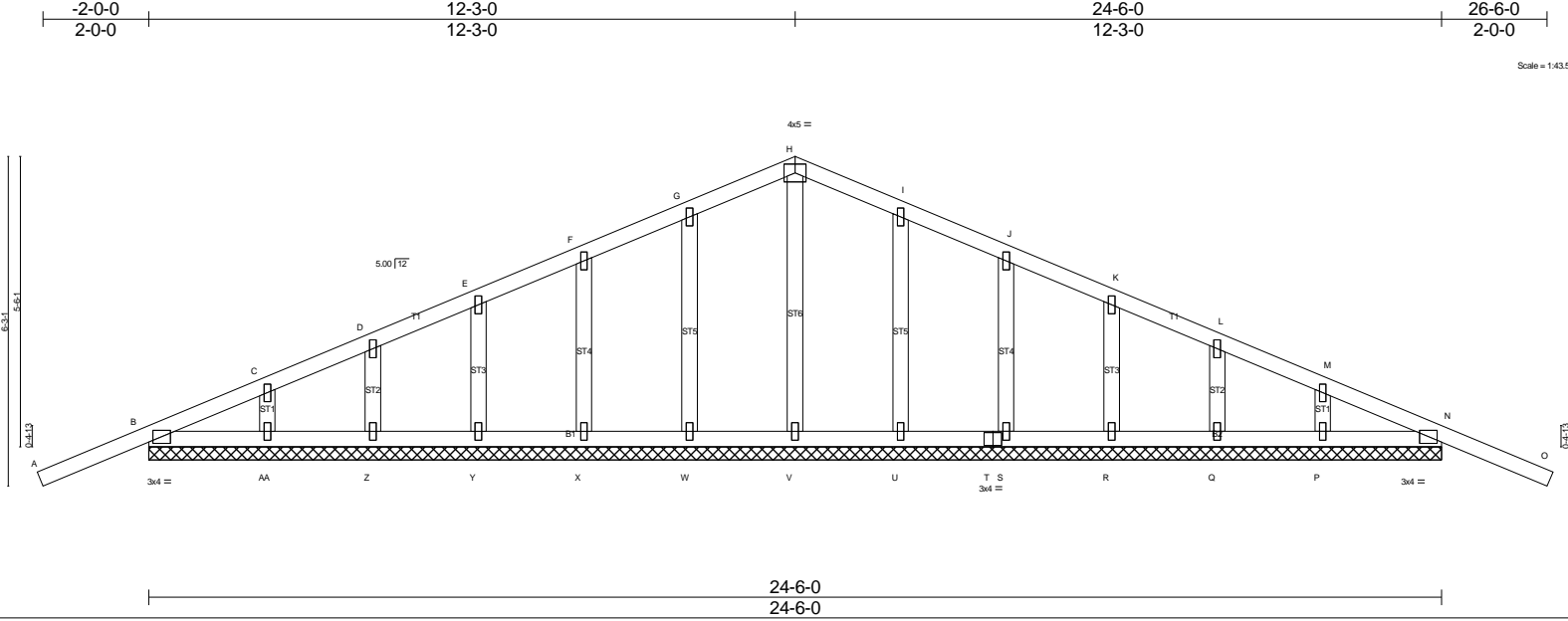
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) A=1178/0-5-8 (min. 0-1-8), E=1178/0-5-8 (min. 0-1-8)
 Max Horz A=-92(LC 9)
 Max Uplift A=-226(LC 8), E=-226(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-2372/447, B-C=-2039/400, C-D=-2039/400, D-E=-2372/447
 BOT CHORD A-G=-442/2088, F-G=-188/1383, E-F=-351/2088
 WEBS C-F=-159/676, D-F=-517/245, C-G=-159/676, B-G=-517/245

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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
 - 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) except (jt=lb) A=226, E=226.
 - 6) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.26	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.11	Vert(LL) -0.04 O n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(TL) -0.05 O n/r 120		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.00 N n/a n/a		
	Code IBC2012/TPI2007			Weight: 115 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 24-6-0.
(lb) - Max Horz B=-105(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) W, X, Y, Z, AA, U, S, R, Q, P except B=-115(LC 4), N=-120(LC 5)
Max Grav All reactions 250 lb or less at joint(s) V, W, X, Y, Z, AA, U, S, R, Q, P except B=367(LC 1), N=367(LC 1)

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

- 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) 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.
 - 4) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * 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.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) W, X, Y, Z, AA, U, S, R, Q, P except (jt=lb) B=115, N=120.
 - 10) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

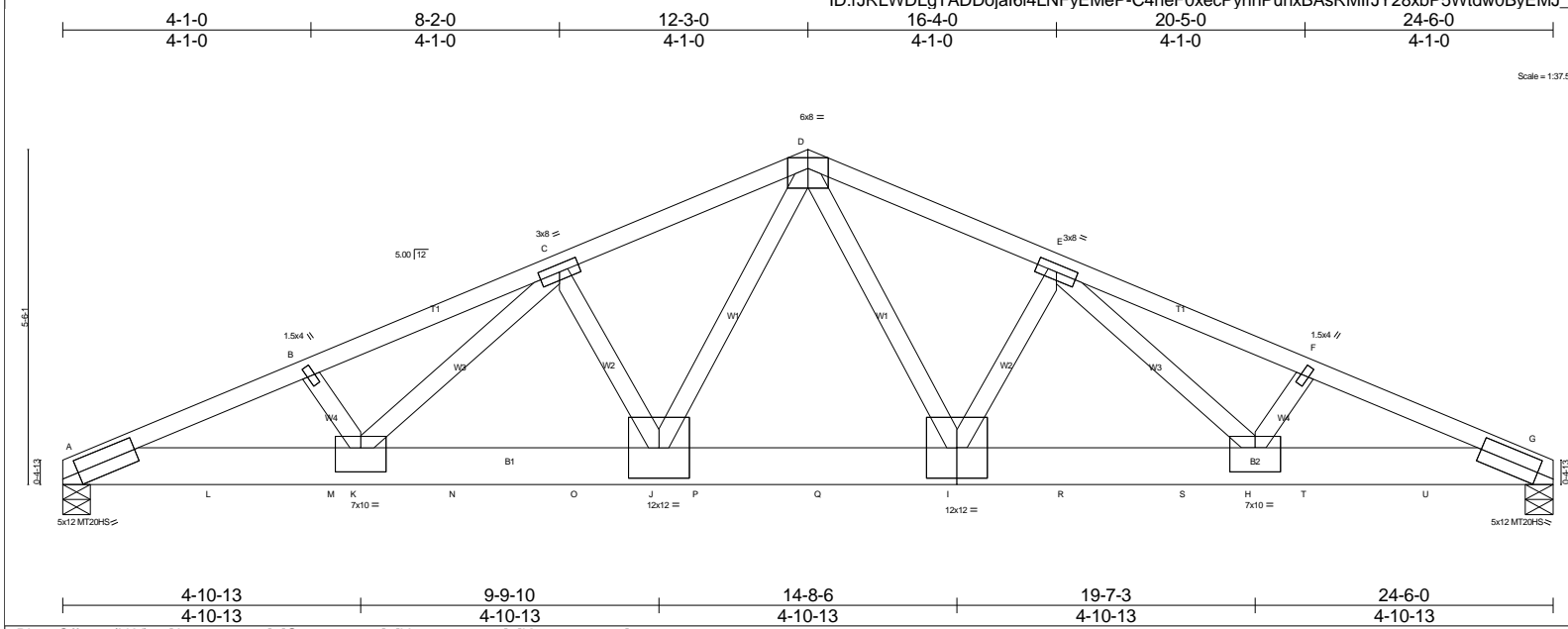


Plate Offsets (X, Y)-- [A:0-3-6,0-2-8], [G:0-3-6,0-2-8], [H:0-5-0,0-4-12], [K:0-5-0,0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.83	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.80	Vert(LL) -0.33 H-I >868 360	MT20HS	165/146
BCLL 0.0 *	Lumber DOL 1.15	WB 0.66	Vert(TL) -0.53 H-I >549 240		
BCDL 7.0	Rep Stress Incr NO	Matrix-SH	Horz(TL) 0.10 G n/a n/a		
	Code IBC2012/TPI2007		Wind(LL) 0.17 H-I >999 240		
				Weight: 288 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 2x8 DF 1950F 1.7E or 2x8 DF SS
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 2-9-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=7814/0-5-8 (min. 0-4-3), G=7033/0-5-8 (min. 0-3-12)
Max Horz A=89(LC 8)
Max Uplift A=1572(LC 8), G=1418(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-14720/2951, B-C=-14570/2955, C-D=-11785/2395, D-E=-11822/2403, E-F=-14734/2989, F-G=-14872/2986
BOT CHORD A-L=-2764/13470, L-M=-2764/13470, K-M=-2764/13470, K-N=-2297/11462, N-O=-2297/11462, J-O=-2297/11462, J-P=-1675/8719, P-Q=-1675/8719,
I-Q=-1675/8719, I-R=-2220/11519, R-S=-2220/11519, H-S=-2220/11519, H-T=-2708/13623, T-U=-2708/13623, G-U=-2708/13623
WEBS D-I=-1034/4884, E-I=-1552/416, E-H=-625/2976, D-J=-1018/4806, C-J=-1500/405, C-K=-596/2842

- 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 0-4-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 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; 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
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=1572, G=1418.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1055 lb down and 214 lb up at 0-2-12, 1040 lb down and 217 lb up at 2-6-4, 1040 lb down and 217 lb up at 4-6-4, 1040 lb down and 217 lb up at 6-6-4, 1040 lb down and 217 lb up at 8-6-4, 1040 lb down and 217 lb up at 10-6-4, 1040 lb down and 217 lb up at 12-6-4, 1040 lb down and 217 lb up at 14-6-4, 1040 lb down and 217 lb up at 16-6-4, 1040 lb down and 217 lb up at 18-6-4, and 1040 lb down and 217 lb up at 20-6-4, and 1040 lb down and 217 lb up at 22-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-D=-84, D-G=-84, A-G=-14
Concentrated Loads (lb)
Vert: A=-1055(F) I=-1040(F) L=-1040(F) M=-1040(F) N=-1040(F) O=-1040(F) P=-1040(F) Q=-1040(F) R=-1040(F) S=-1040(F) T=-1040(F) U=-1040(F)

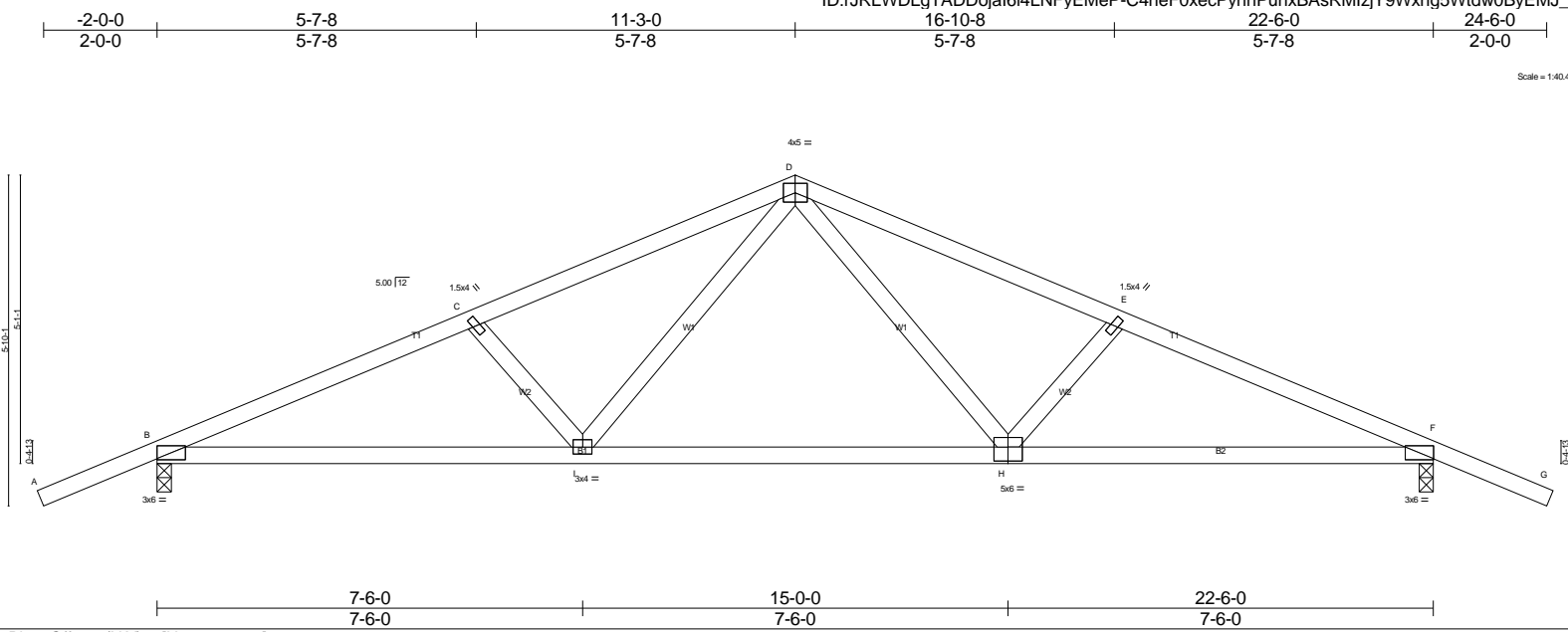


Plate Offsets (X,Y)-- [H:0-3-0,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 35.0	Plate Grip DOL	1.15	TC 0.36	Vert(LL)	-0.12	H-I	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.33	Vert(TL)	-0.21	H-I	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.26	Horz(TL)	0.06	F	n/a	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL)	0.05	H-I	>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 Stud/Std

BRACING-
TOP CHORD Sheathed or 4-4-10 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=1273/0-3-0 (min. 0-1-8), F=1273/0-3-0 (min. 0-1-8)
Max Horz B=98(LC 8)
Max Uplift B=-269(LC 8), F=-269(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2121/389, C-D=-1818/347, D-E=-1818/347, E-F=-2121/389
BOT CHORD B-I=-370/1859, H-I=-151/1244, F-H=-273/1859
WEBS D-H=-131/580, E-H=-457/217, D-I=-130/580, C-I=-457/217

- 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
 - 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) except (it=lb) B=269, F=269.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

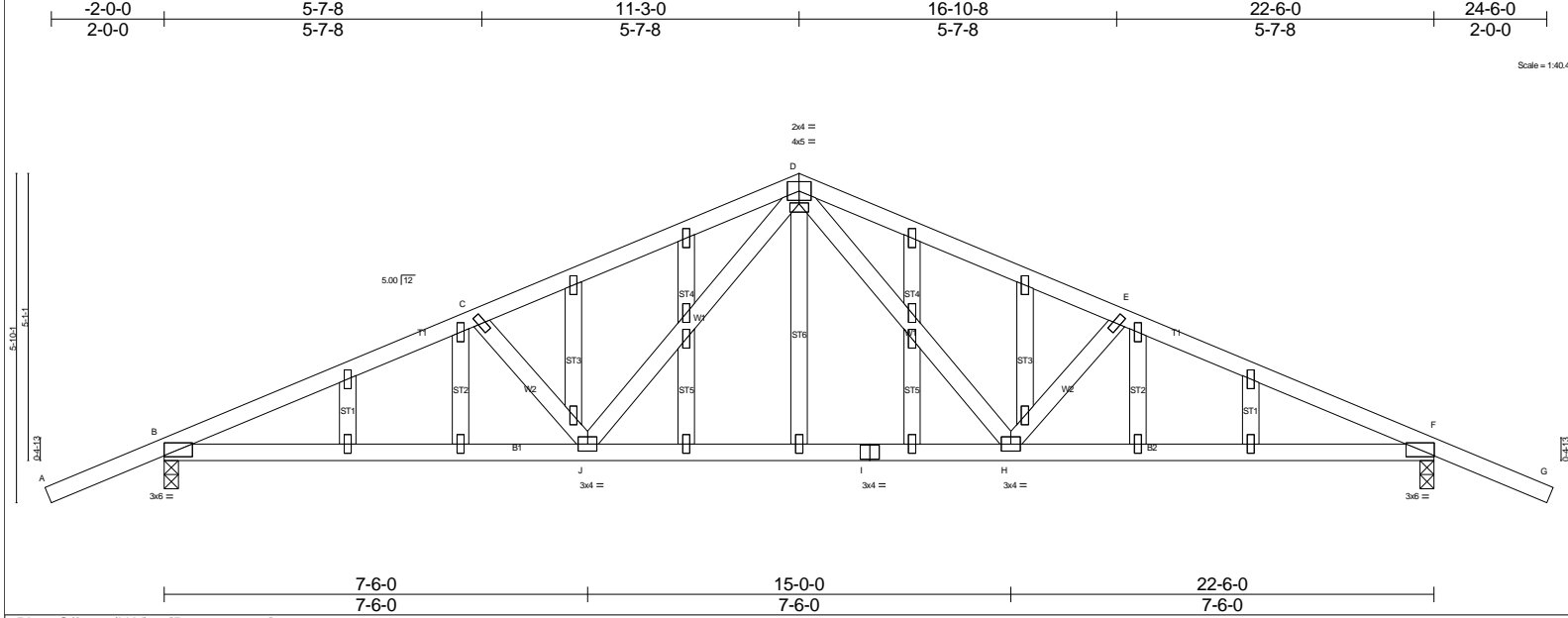


Plate Offsets (X,Y)-- [D:0-2-0-0-4]

LOADING (psf)	SPACING-	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.36	Vert(LL) -0.12	H-J	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.33	Vert(TL) -0.21	H-J	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.26	Horz(TL) 0.06	F	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.05	H-J	>999	240		
	Code IBC2012/TPI2007						Weight: 125 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 4-4-10 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=1273/0-3-0 (min. 0-1-8), B=1273/0-3-0 (min. 0-1-8)
Max Horz B=98(LC 8)
Max Uplift F=-269(LC 9), B=-269(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2121/389, C-D=-1818/347, D-E=-1818/347, E-F=-2121/389
BOT CHORD B-J=-370/1859, I-J=-151/1244, H-I=-151/1244, F-H=-273/1859
WEBS D-H=-131/580, E-H=-457/217, D-J=-130/580, C-J=-457/217

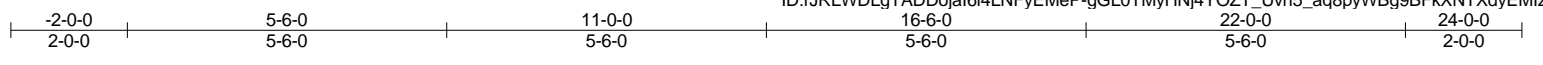
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) 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.
 - 4) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * 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.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) F=269, B=269.
 - 9) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss G01	Truss Type Common	Qty 11	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:40 2017 Page 1
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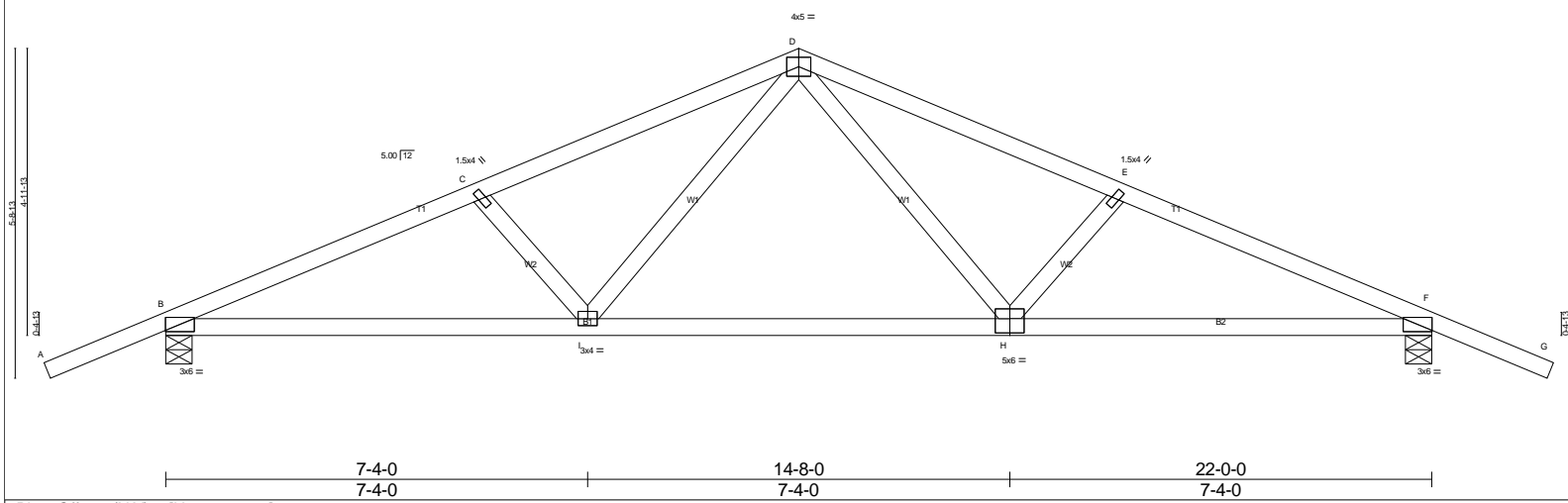


Plate Offsets (X,Y)-- [H:0-3-0,0-3-0]	7-4-0	14-8-0	22-0-0
	7-4-0	7-4-0	7-4-0

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.34	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.30	Vert(LL) -0.11 H-I >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.24	Vert(TL) -0.20 H-I >999 240		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.05 F n/a n/a		
	Code IBC2012/TPI2007		Wind(LL) 0.05 H-I >999 240	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 4-6-8 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=1248/0-5-8 (min. 0-1-8), F=1248/0-5-8 (min. 0-1-8)
 Max Horz B=96(LC 12)
 Max Uplift B=-265(LC 8), F=-265(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2012/367, C-D=-1723/328, D-E=-1723/329, E-F=-2012/368
 BOT CHORD B-I=-348/1753, H-I=-143/1185, F-H=-253/1753
 WEBS D-H=-121/541, E-H=-426/207, D-I=-121/541, C-I=-426/206

- 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
 - 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) except (it=lb) B=265, F=265.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

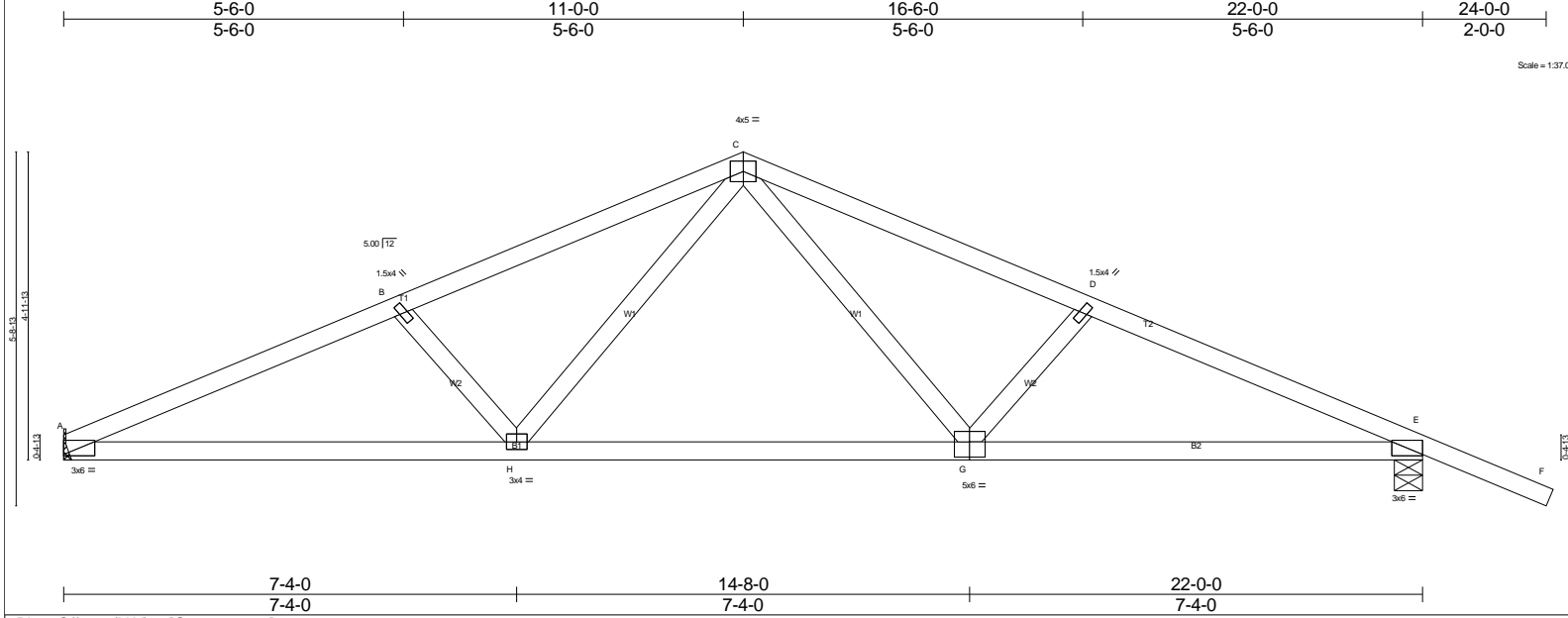


Plate Offsets (X,Y)-- [G:0-3-0-0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	Plate Grip DOL	1.15	TC 0.37	Vert(LL) -0.10	G-H	>999	360	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.40	Vert(TL) -0.19	G-H	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.28	Horz(TL) 0.06	E	n/a	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL) 0.05	A-H	>999	240		
								Weight: 88 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 4-3-1 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) A=1054/Mechanical, E=1266/0-5-8 (min. 0-1-8)
Max Horz A=-109(LC 9)
Max UpliftA=-203(LC 8), E=-267(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2142/406, B-C=-1834/361, C-D=-1765/334, D-E=-2054/373
BOT CHORD A-H=-389/1892, G-H=-155/1228, E-G=-258/1791
WEBS C-G=-120/539, D-G=-425/207, C-H=-148/627, B-H=-482/225

- 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
 - 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 100 lb uplift at joint(s) except (jt=lb) A=203, E=267.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss G03	Truss Type Common	Qty 1	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:41 2017 Page 1
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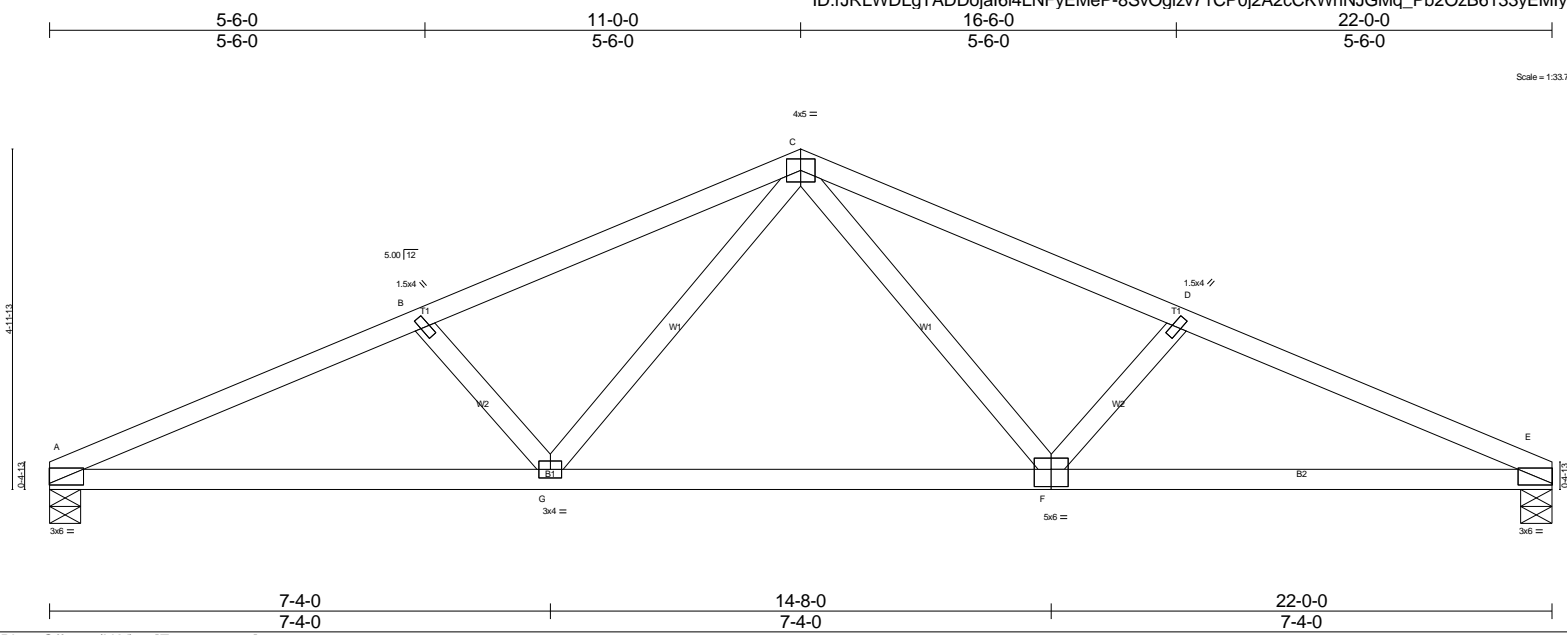


Plate Offsets (X,Y)-- [F:0-3-0,0-3-0]	7-4-0	14-8-0	22-0-0
	7-4-0	7-4-0	7-4-0

LOADING (psf)	SPACING-	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	2-0-0	TC 0.36	Vert(LL) -0.10	E-F	>999	360	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.39	Vert(TL) -0.18	E-F	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.26	Horz(TL) 0.06	E	n/a	n/a		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Wind(LL) 0.05	A-G	>999	240		
	Code IBC2012/TPI2007						Weight: 86 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 4-3-12 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) A=1056/0-5-8 (min. 0-1-8), E=1056/0-5-8 (min. 0-1-8)
 Max Horz A=-83(LC 9)
 Max Uplift A=-202(LC 8), E=-202(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-2110/398, B-C=-1813/356, C-D=-1813/356, D-E=-2110/398
 BOT CHORD A-G=-393/1854, F-G=-168/1234, E-F=-311/1854
 WEBS C-F=-141/598, D-F=-457/218, C-G=-141/598, B-G=-457/218

- 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
 - 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) except (it=lb) A=202, E=202.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:41 2017 Page 1
 ID:rJRLWDLgTADDojal614LNFyEMeP-8SvOgizv71CP0j2A2cCKWnNj6MqhPbrOzB6133yEMly

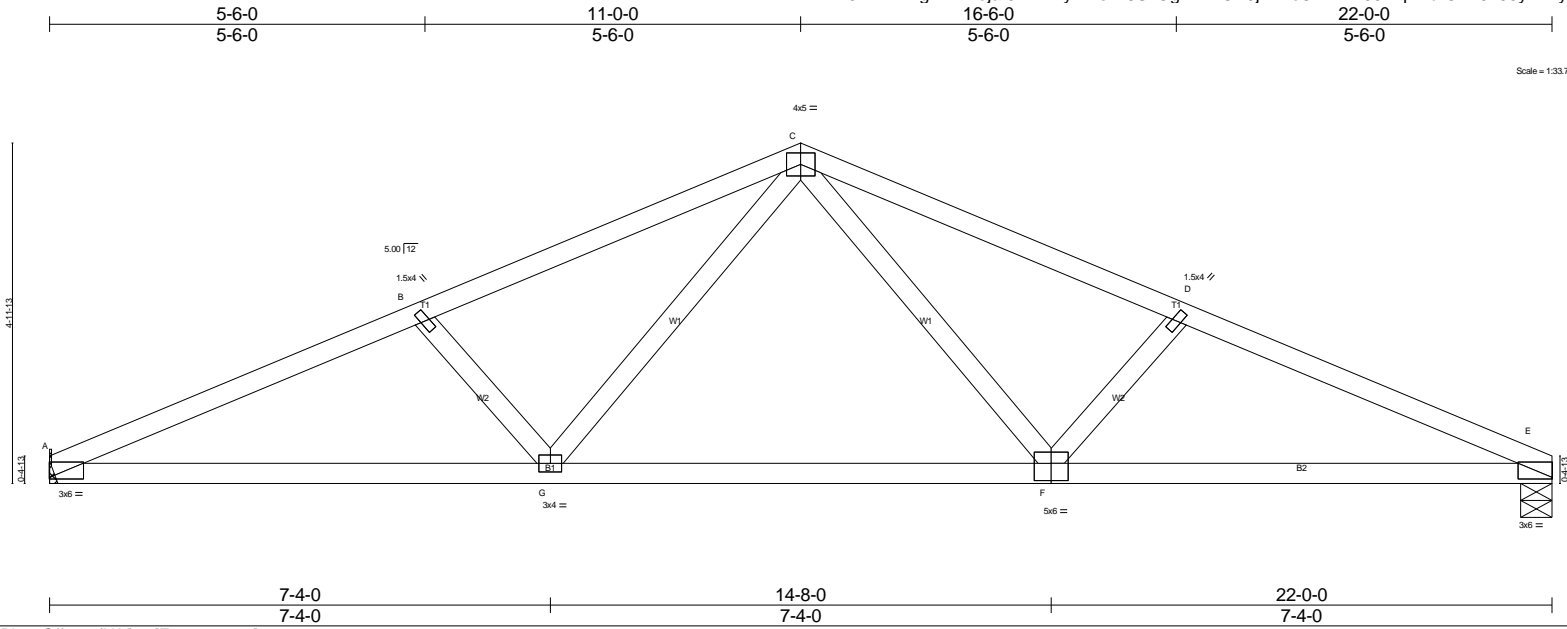


Plate Offsets (X,Y)-- [F:0-3-0,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	Plate Grip DOL	1.15	TC 0.37	Vert(LL)	-0.10	A-G	>999	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.41	Vert(TL)	-0.20	A-G	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.28	Horz(TL)	0.06	E	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL)	0.06	A-G	>999	Weight: 86 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 4-2-12 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) A=1064/Mechanical, E=1064/0-5-8 (min. 0-1-8)
 Max Horz A=83(LC 13)
 Max Uplift A=205(LC 8), E=203(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-2166/409, B-C=-1857/364, C-D=-1833/358, D-E=-2130/400
 BOT CHORD A-G=-405/1913, F-G=-171/1253, E-F=-313/1871
 WEBS C-F=-141/597, D-F=-456/218, C-G=-147/626, B-G=-482/225

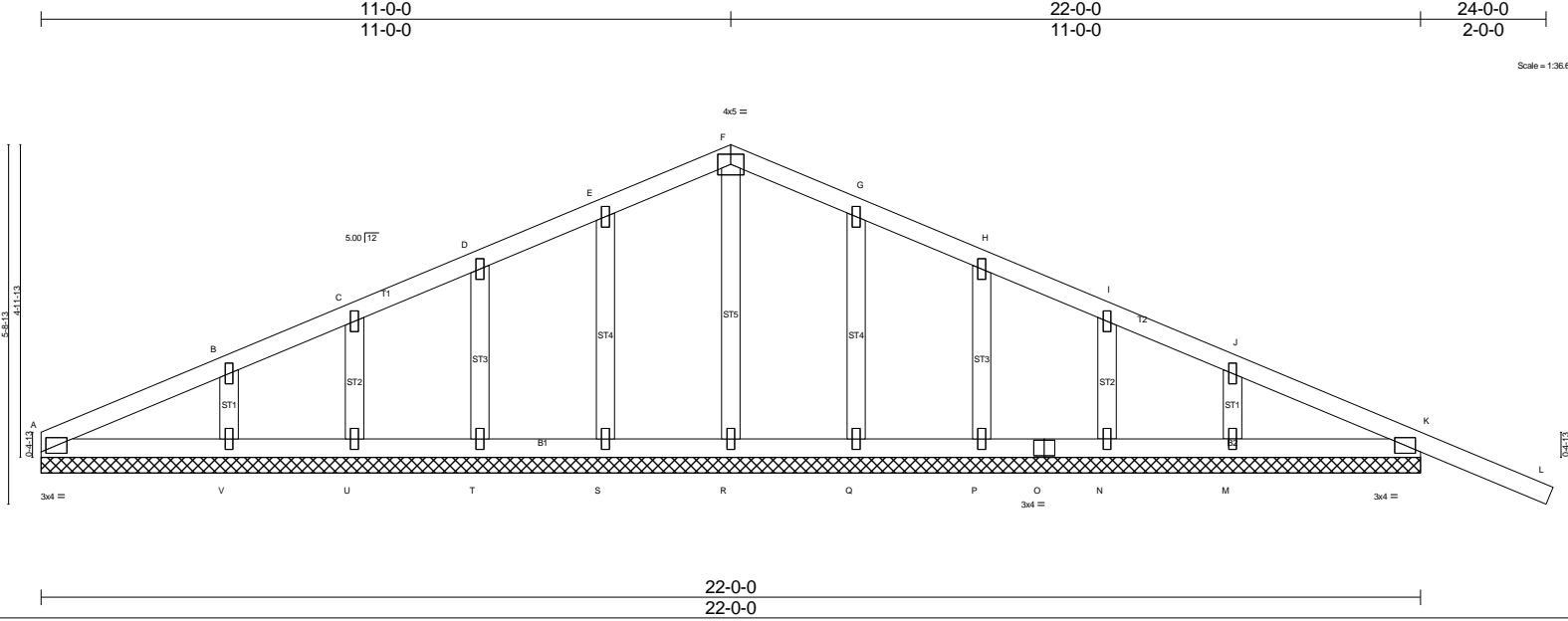
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 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 100 lb uplift at joint(s) except (jt=lb) A=205, E=203.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss G05	Truss Type Common	Qty 1	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:42 2017 Page 1
ID:rJRLWDLgTADDojal64LNFyEMeP-cfTnu2_XuKKFetdMckjZ3?wvSmFq86UXCrsabVvyEMlx



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES MT20	GRIP 220/195
TCLL 35.0	Plate Grip DOL 1.15	TC 0.26	Vert(LL) -0.04 L n/r 120		
TCDL 7.0	Lumber DOL 1.15	BC 0.09	Vert(TL) -0.05 L n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Horz(TL) 0.00 K n/a n/a		
BCDL 7.0	Code IBC2012/TPI2007	Matrix-SH		Weight: 97 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.
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 10-0-0 oc bracing.
OTHERS 2x4 DF Stud/Std	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 22-0-0.
 (lb) - Max Horz A=109(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) A, S, T, U, V, Q, P, N, M except K=118(LC 5)
 Max Grav All reactions 250 lb or less at joint(s) A, R, S, T, U, Q, P, N, M except V=302(LC 19), K=376(LC 1)

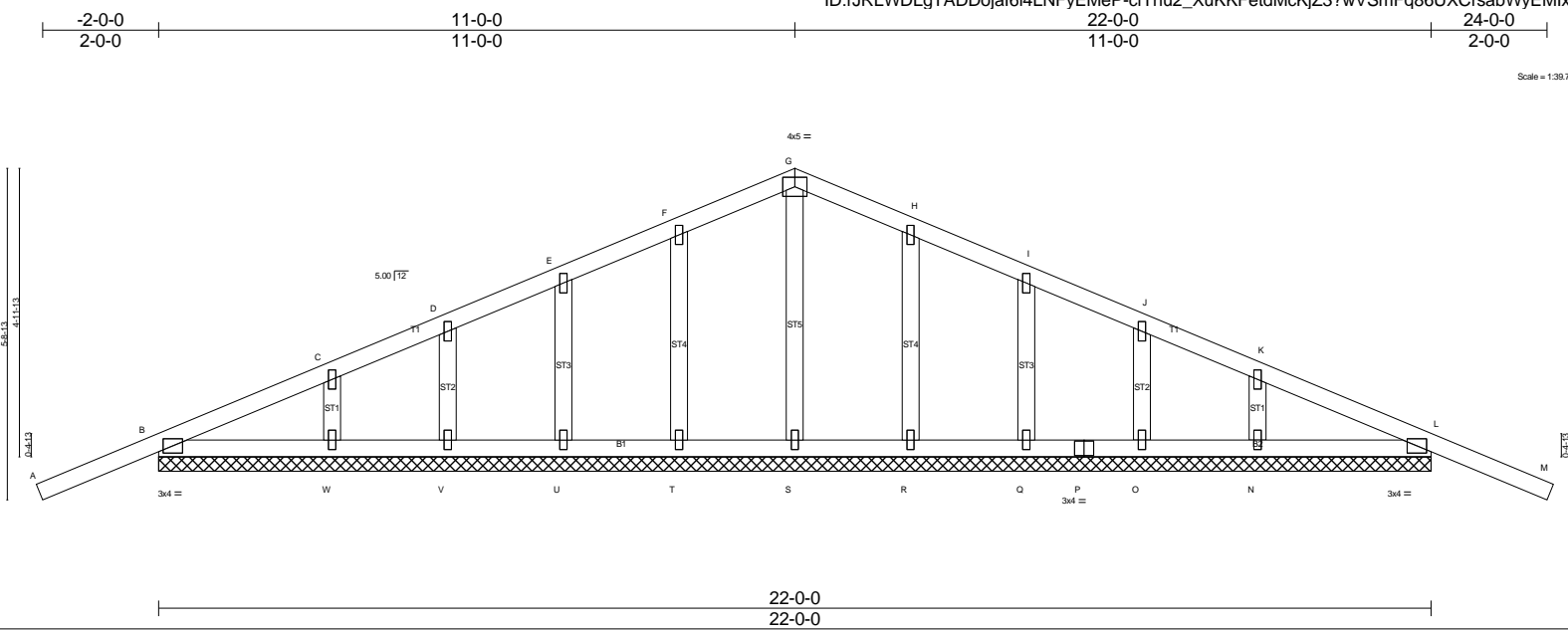
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; 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
 - 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) A, S, T, U, V, Q, P, N, M except (jt=lb) K=118.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:42 2017 Page 1
 ID:rJRLWDLgTADDojal6I4LNFyEMeP-cfTnu2_XuKKFetdMckjZ3?wVSmFq86UXCrsabVvyEMlx



LOADING (psf)	SPACING-	CSI.	DEFL	PLATES	GRIP
TCLL 35.0	2'-0'-0"	TC 0.26	in (loc) l/defl L/d	MT20	220/195
TCDL 7.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) -0.04 M n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Vert(TL) -0.05 M n/r 120		
BCDL 7.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.00 L n/a n/a		
	Code IBC2012/TPI2007			Weight: 100 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 22'-0'-0".
 (lb) - Max Horz B=96(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) T, U, V, W, R, Q, O, N except B=112(LC 4), L=117(LC 5)
 Max Grav All reactions 250 lb or less at joint(s) S, T, U, V, W, R, Q, O, N except B=375(LC 1), L=375(LC 1)

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

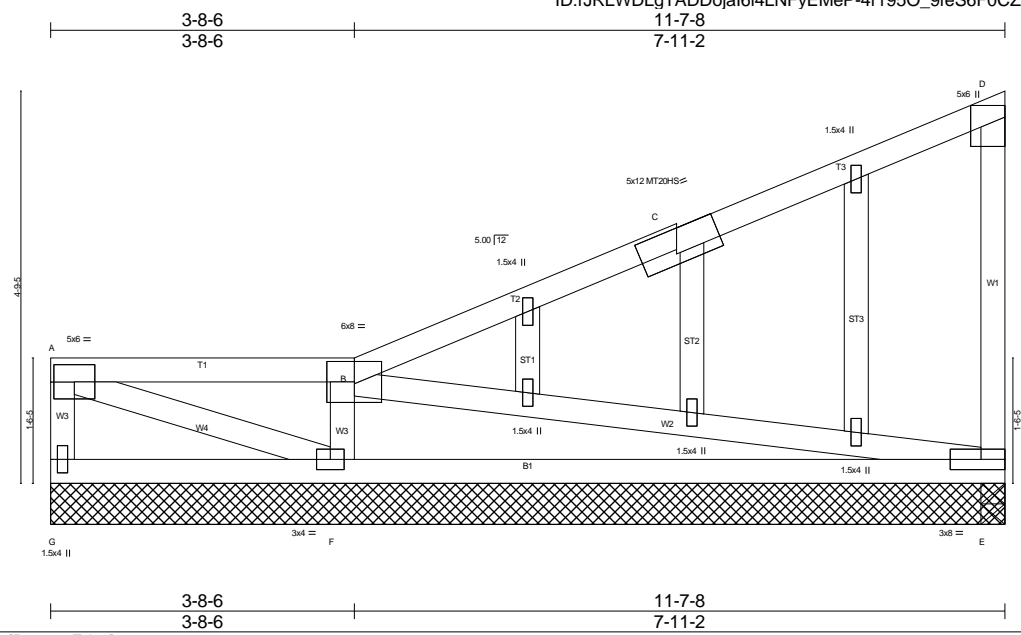
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) 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.
 - 4) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2'-0'-0" oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * 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.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) T, U, V, W, R, Q, O, N except (jt=lb) B=112, L=117.
 - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) B.
 - 11) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17-114862T	Truss H01	Truss Type Common Structural Gable	Qty 1	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

Run: 8.110 s Oct 20 2017 Print: 8.110 s Oct 20 2017 MiTek Industries, Inc. Wed Nov 29 08:54:43 2017 Page 1
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Scale = 1/28.1

Plate Offsets (X,Y)-- [C:0-1-14,0-0-0], [D:0-3-3,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 35.0	Plate Grip DOL 1.15	TC 0.76	Vert(LL) -0.09 E-F >999 360	MT20	220/195
TCDL 7.0	Lumber DOL 1.15	BC 0.25	Vert(TL) -0.19 E-F >507 240	MT20HS	165/146
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(TL) -0.00 E n/a n/a		
BCDL 7.0	Code IBC2012/TPI2007	Matrix-SH	Wind(LL) -0.01 E-F >999 240	Weight: 64 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.
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 6-0-0 oc bracing.
WEBS 2x4 DF Stud/Std *Except*	
W1,W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E	
OTHERS 2x4 DF Stud/Std	

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

REACTIONS. All bearings 11-7-8.
(lb) - Max Horz G=130(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) G except E=-121(LC 8), F=-158(LC 8)
Max Grav All reactions 250 lb or less at joint(s) G except E=350(LC 1), E=350(LC 1), F=682(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD D-E=-299/142
WEBS B-F=-575/194

- 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) 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.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * 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.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G except (it=lb) E=121, F=158.
 - 9) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

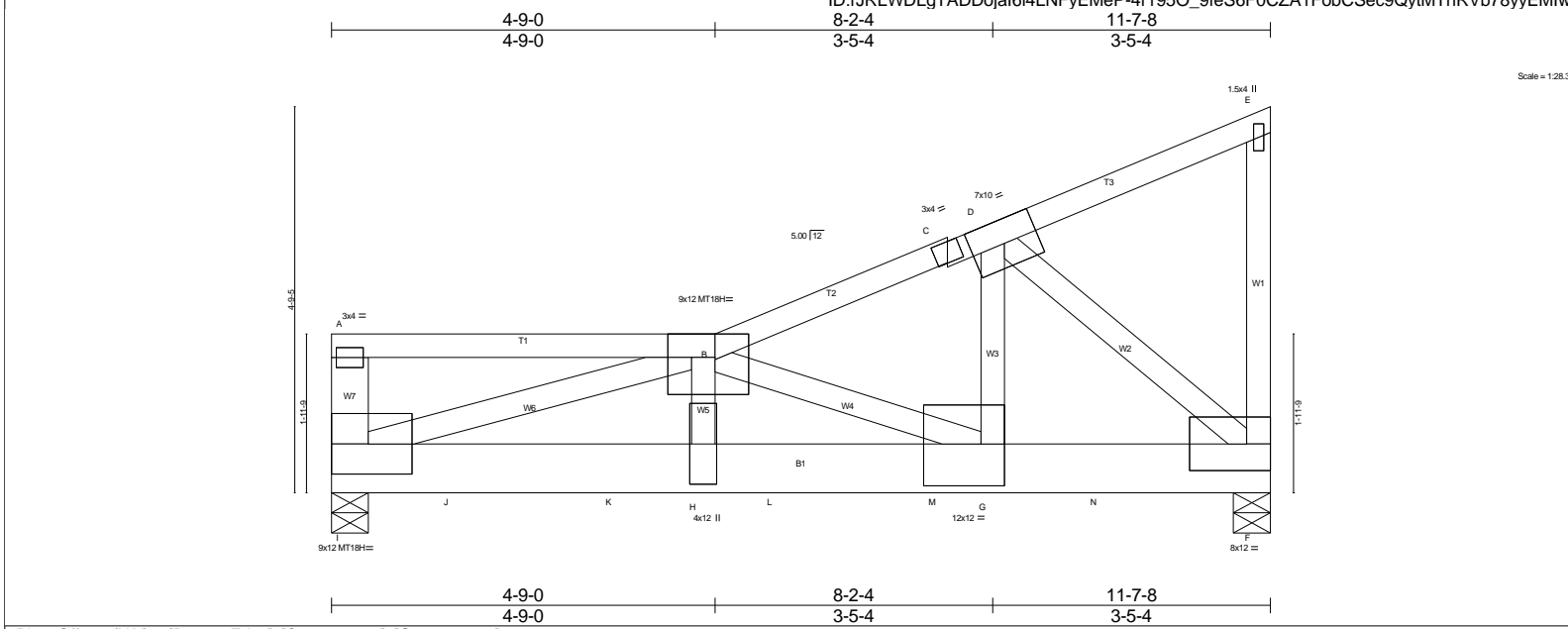


Plate Offsets (X,Y)-- [B:0-7-0,Edge], [C:0-0-0,0-0-1], [G:0-3-8,0-6-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0	Plate Grip DOL	1.15	TC 0.43	Vert(LL)	-0.14	G-H	>996	MT20	220/195
TCDL 7.0	Lumber DOL	1.15	BC 0.81	Vert(TL)	-0.22	G-H	>626	MT18H	220/195
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.84	Horz(TL)	0.04	F	n/a		
BCDL 7.0	Code IBC2012/TPI2007		Matrix-SH	Wind(LL)	0.07	H	>999		
								Weight: 155 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 2x8 DF 1950F 1.7E or 2x8 DF SS
 WEBS 2x4 DF Stud/Std *Except*
 W7: 2x6 DF 1800F 1.6E or 2x6 DF SS
 W6,W3: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
 TOP CHORD Sheathed or 5-8-9 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) I=6133/0-5-8 (min. 0-3-4), F=5578/0-5-8 (min. 0-3-0)
 Max Horz I=112(LC 8)
 Max Uplift I=1209(LC 8), F=-1157(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-I=-265/89, A-B=-1122/228, B-C=-5986/1130, C-D=-5908/1138
 BOT CHORD I-J=-2325/11427, J-K=-2325/11427, H-K=-2325/11427, H-L=-2264/11093, L-M=-2264/11093, G-M=-2264/11093, G-N=-1139/5532, F-N=-1139/5532
 WEBS B-I=-10865/2093, B-H=-662/3470, B-G=-6073/1229, D-G=-1293/6693, D-F=-7313/1504

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 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.
 - 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 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) I=1209, F=1157.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2126 lb down and 425 lb up at 1-6-12, 2121 lb down and 425 lb up at 3-6-12, 2121 lb down and 425 lb up at 5-6-12, and 2121 lb down and 425 lb up at 7-6-12, and 2121 lb down and 425 lb up at 9-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-B=-84, B-E=-84, F-I=14
 Concentrated Loads (lb)
 Vert: J=-2126(B) K=-2121(B) L=-2121(B) M=-2121(B) N=-2121(B)