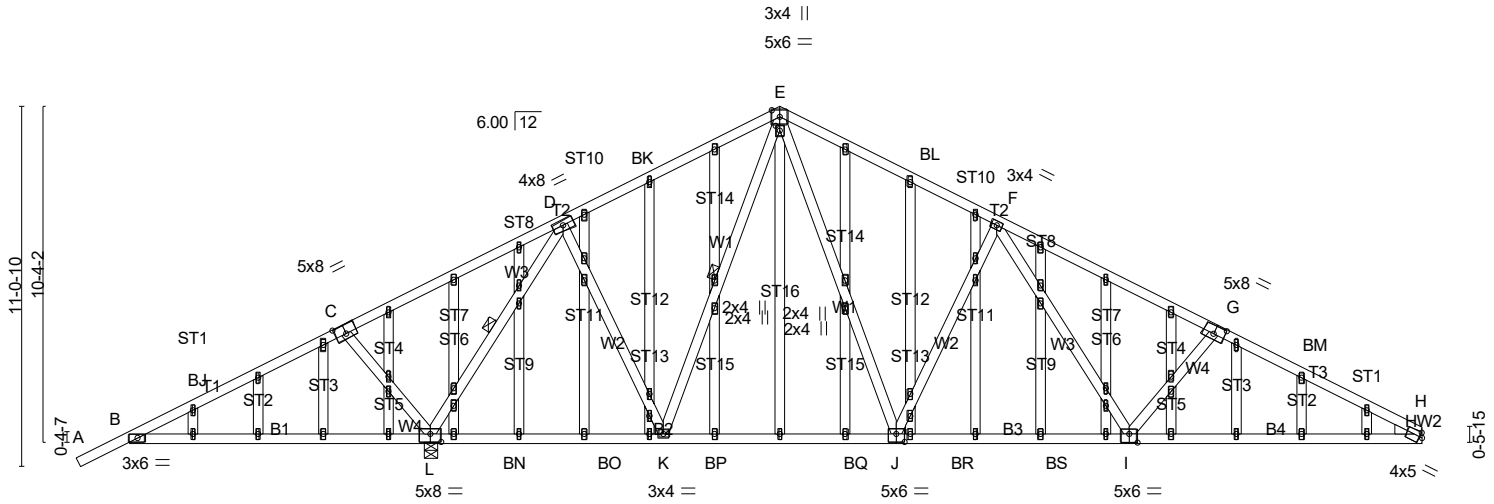
Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	A1	GABLE	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:55:55 2019 Page 1
ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-faaUTKPhNQbeybBLLCJL?nkCRgQtZWO4m7BZ_jys6jY

-1-6-0	6-7-13	13-3-9	19-11-6	26-7-3	33-3-0	39-7-12
1-6-0	6-7-13	6-7-13	6-7-13	6-7-13	6-7-13	6-4-12

Scale = 1:70.7



9-0-0	16-4-8	23-6-4	30-8-0	39-7-12
9-0-0	7-4-8	7-1-12	7-1-12	8-11-12

Plate Offsets (X,Y)-- [C:0-4-0,0-3-4], [E:0-1-12,0-1-8], [G:0-4-0,0-3-0], [H:0-0-15,0-1-11], [I:0-3-0,0-3-4], [J:0-3-0,0-3-0], [L: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	0.58	Vert(LL)	-0.14	H-I	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.27	H-I	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.04	H	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.25	H-I	>999	240	Weight: 324 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*
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
WEDGE
Right: 2x4 DF Stud/Std

BRACING-
TOP CHORD Sheathed or 4-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt D-L, E-K

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

REACTIONS. (lb/size) L=2425/0-5-8 (min. 0-2-9), H=1174/Mechanical
Max Horz L=225(LC 11)
Max Uplift L=-1051(LC 12), H=-495(LC 12)
Max Grav L=2425(LC 1), H=1176(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-BJ=-667/814, C-BJ=-660/955, C-D=-691/1273, D-BK=-648/511, E-BK=-594/526, E-BL=-1041/846, F-BL=-1141/832, F-G=-1779/1217, G-BM=-1938/1232, H-BM=-2054/1216
BOT CHORD B-L=-740/694, L-BN=-197/323, BN-BO=-197/323, K-BO=-197/323, K-BP=-239/649, BP-BQ=-239/649, J-BQ=-239/649, J-BR=-634/1214, BR-BS=-634/1214, I-BS=-634/1214, H-I=-1016/1750
WEBS C-L=-488/234, D-L=-2220/1280, D-K=-496/724, E-K=-607/286, E-J=-641/846, F-J=-766/460, F-I=-485/543, G-I=-416/210

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; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-13 to 2-4-13, Interior(1) 2-4-13 to 19-11-6, Exterior(2) 19-11-6 to 23-10-15, Interior(1) 23-10-15 to 39-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) L=1051, H=495.
10) 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

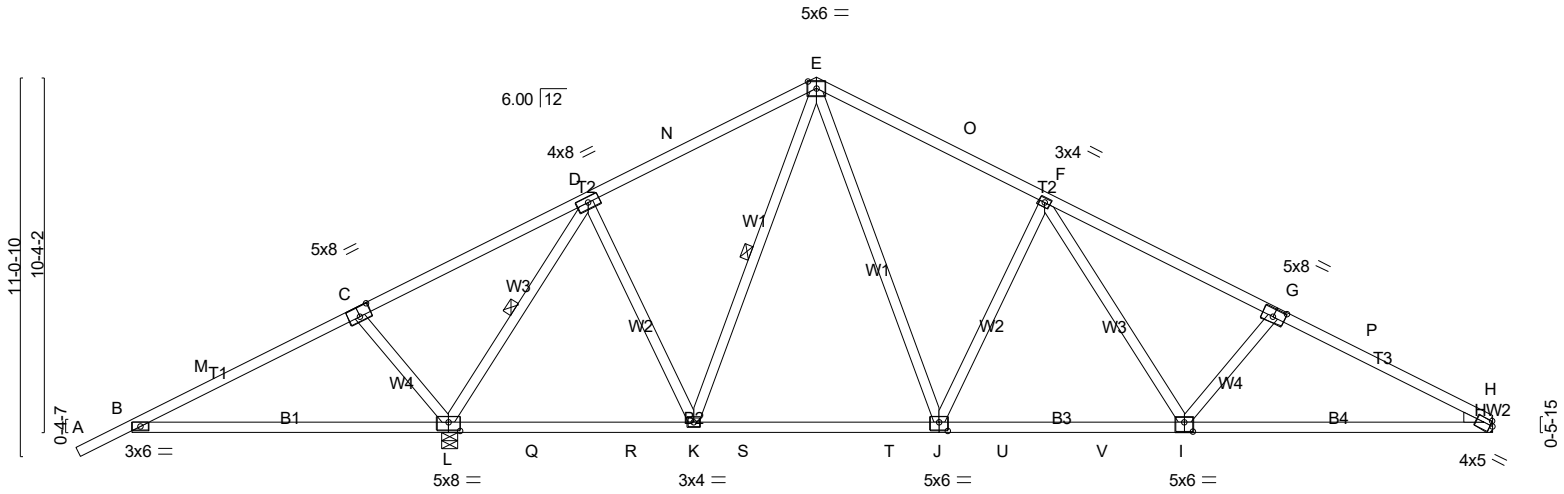
Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	A2	Common	6	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:55:57 2019 Page 1

ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-bzhFu?Rxv1rMBvLkSdLp4CqYxT6L1QuNEQgg2bys6jW

1-6-0	6-7-13	13-3-9	19-11-6	26-7-3	33-3-0	39-7-12
1-6-0	6-7-13	6-7-13	6-7-13	6-7-13	6-7-13	6-4-12

Scale = 1:67.1



9-0-0	16-4-8	23-6-4	30-8-0	39-7-12
9-0-0	7-4-8	7-1-12	7-1-12	8-11-12

Plate Offsets (X,Y)-- [C:0-4-0,0-3-4], [G:0-4-0,0-3-0], [H:0-0-15,0-1-11], [I:0-3-0,0-3-4], [J:0-3-0,0-3-0], [L: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	0.58	Vert(LL)	-0.14	H-I	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.27	H-I	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.04	H	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.25	H-I	>999	240	Weight: 196 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* W4: 2x4 DF Stud/Std
WEDGE
Right: 2x4 DF Stud/Std

BRACING-

TOP CHORD Sheathed or 4-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt D-L, E-K

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

REACTIONS. (lb/size) L=2425/0-5-8 (min. 0-2-9), H=1174/Mechanical
Max Horz L=225(LC 11)
Max Uplift L=-1051(LC 12), H=-495(LC 12)
Max Grav L=2425(LC 1), H=1176(LC 22)

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

TOP CHORD B-M=-667/814, C-M=-660/955, C-D=-691/1273, D-N=-648/511, E-N=-594/526, E-O=-1041/846, F-O=-1141/832, F-G=-1779/1217, G-P=-1938/1232, H-P=-2054/1216
BOT CHORD B-L=-740/694, L-Q=-197/323, Q-R=-197/323, K-R=-197/323, K-S=-239/649, S-T=-239/649, J-T=-239/649, J-U=-634/1214, U-V=-634/1214, I-V=-634/1214, H-I=-1016/1750
WEBS C-L=-488/234, D-L=-2220/1280, D-K=-496/724, E-K=-607/286, E-J=-641/846, F-J=-766/460, F-I=-485/543, G-I=-416/210

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; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-13 to 2-4-13, Interior(1) 2-4-13 to 19-11-6, Exterior(2) 19-11-6 to 23-10-15, Interior(1) 23-10-15 to 39-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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 (jt=lb) L=1051, H=495.
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.

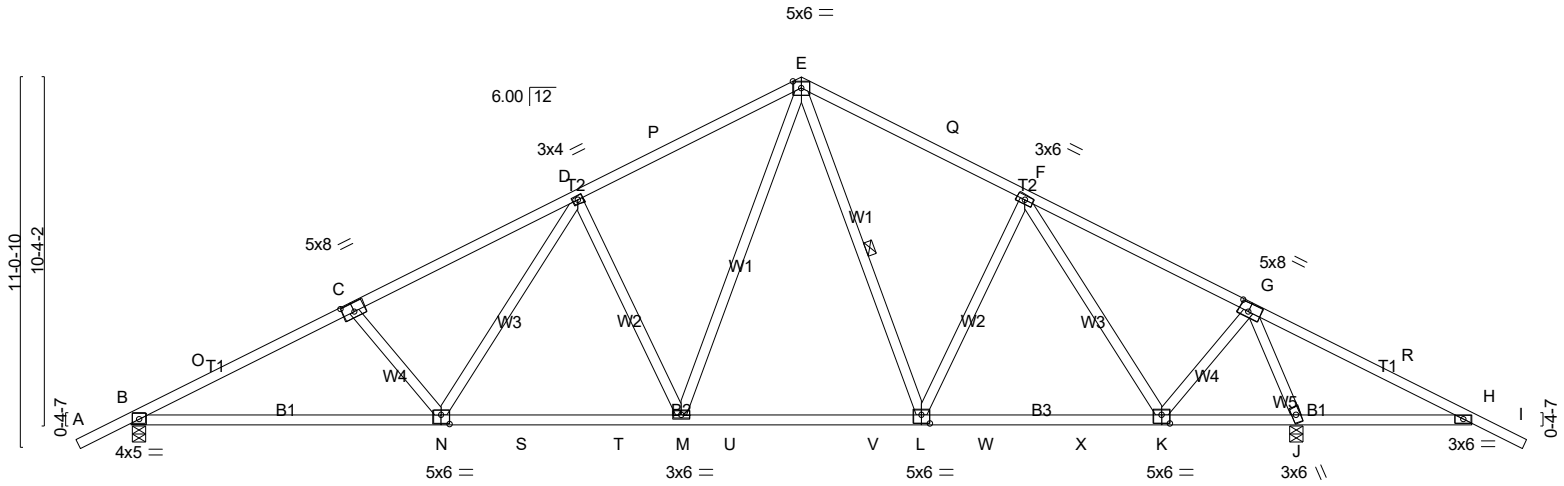
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	A3	Common	8	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:55:59 2019 Page 1
ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-YMp?JhSCRe54QCV7a2NH9dvwdHoNVKbfhk9n7Uys6jU

1-6-0	6-7-13	13-3-9	19-11-6	26-7-3	33-2-15	39-10-12	41-4-12
1-6-0	6-7-13	6-7-13	6-7-13	6-7-13	6-7-13	6-7-13	1-6-0

Scale = 1:68.5



9-2-12	16-4-8	23-6-4	30-8-0	34-10-12	39-10-12
9-2-12	7-1-12	7-1-12	7-1-12	4-2-12	5-0-0

Plate Offsets (X,Y)-- [C:0-4-0,0-3-0], [G:0-3-8,0-3-0], [K:0-3-0,0-3-0], [L:0-3-0,0-3-0], [N:0-3-0,0-3-4]

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	0.50	Vert(LL)	-0.16	M-N	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.29	B-N	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.07	J	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.25	B-N	>999	240	Weight: 203 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* W4,W5: 2x4 DF Stud/Std

BRACING-
TOP CHORD Sheathed or 3-8-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-15 oc bracing.
1 Row at midpt E-L

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

REACTIONS. (lb/size) B=1600/0-5-8 (min. 0-1-11), J=2139/0-5-8 (min. 0-2-5)
Max Horz B=228(LC 11)
Max Uplift B=-703(LC 12), J=-803(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-O=-2676/1526, C-O=-2577/1542, C-D=-2380/1533, D-P=-1743/1180, E-P=-1623/1195, E-Q=-1375/1042, F-Q=-1486/1027, F-G=-1007/715, G-R=-561/880, H-R=-572/740
BOT CHORD B-N=-1264/2280, N-S=-921/1762, S-T=-921/1762, M-T=-921/1762, M-U=-539/1179, U-V=-539/1179, L-V=-539/1179, L-W=-634/1228, W-X=-634/1228, K-X=-634/1228, J-K=-96/256, H-J=-679/615
WEBS E-L=-250/300, F-K=-841/435, G-K=-659/989, E-M=-633/840, D-M=-760/458, D-N=-452/524, C-N=-405/180, G-J=-2198/1310

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; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-13 to 2-5-1, Interior(1) 2-5-1 to 19-11-6, Exterior(2) 19-11-6 to 23-11-4, Interior(1) 23-11-4 to 41-5-9 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=703, J=803.
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

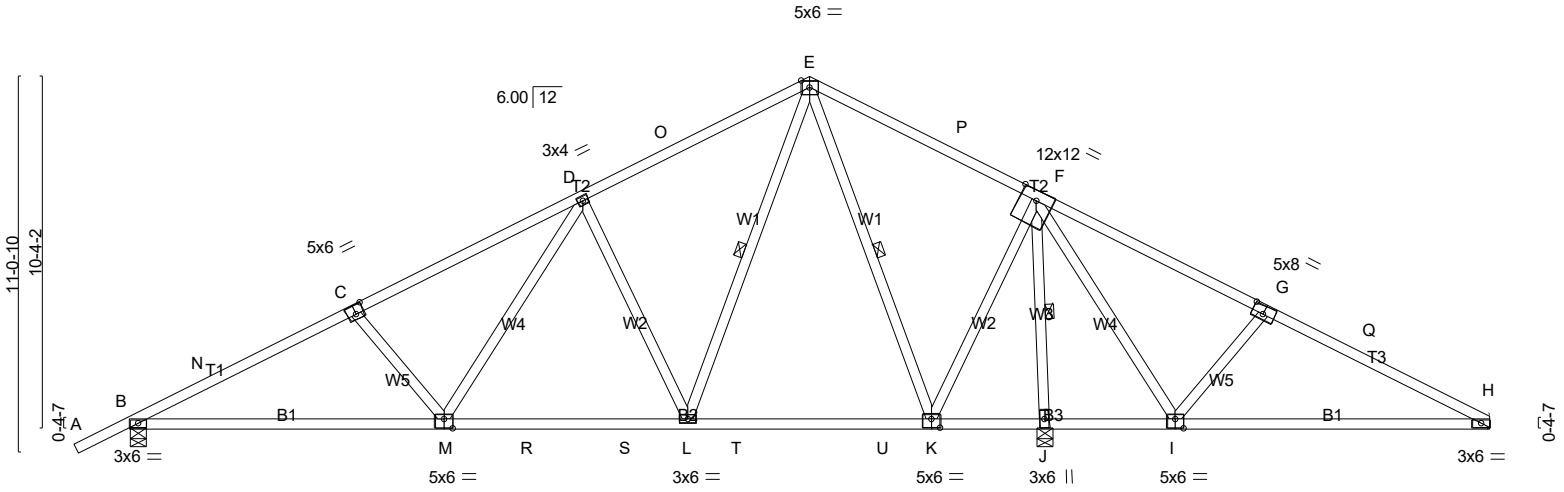
Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	A4	Common	17	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:56:01 2019 Page 1

ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-UkxmkNUSzGLogWeVhTQIF2_Gn5U8zLay82euCMys6jS

1-6-0	6-7-13	13-3-9	19-11-6	26-7-3	33-2-15	39-10-12
1-6-0	6-7-13	6-7-13	6-7-13	6-7-13	6-7-13	6-7-13

Scale = 1:67.6



9-2-12	16-4-8	23-6-4	26-10-0	30-8-0	39-10-12
9-2-12	7-1-12	7-1-12	3-3-12	3-10-0	9-2-12

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

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	0.46	Vert(LL)	-0.15	H-I	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.27	H-I	>573	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.03	J	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.24	H-I	>651	240	Weight: 204 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* W5,W3: 2x4 DF Stud/Std

BRACING-

TOP CHORD Sheathed or 4-7-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt E-K, E-L, 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=1185/0-5-8 (min. 0-1-8), H=320/Mechanical, J=2112/0-5-8 (min. 0-2-4)
Max Horz B=225(LC 11)
Max Uplift B=-516(LC 12), H=-127(LC 12), J=-913(LC 12)
Max Grav B=1185(LC 1), H=427(LC 22), J=2112(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-N=-1790/968, C-N=-1692/984, C-D=-1490/972, D-O=-836/610, E-O=-728/625, F-G=-170/312, G-Q=-347/228, H-Q=-482/199
BOT CHORD B-M=-810/1496, M-R=-451/955, R-S=-451/955, L-S=-451/955, L-T=-85/386, T-U=-85/386, K-U=-85/386, J-K=-441/415, I-J=-447/419, H-I=-177/344
WEBS E-K=-949/460, F-K=-676/1085, F-I=-510/584, G-I=-469/244, E-L=-646/858, D-L=-767/462, D-M=-462/540, C-M=-423/194, F-J=-2093/1277

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; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-13 to 2-5-1, Interior(1) 2-5-1 to 19-11-6, Exterior(2) 19-11-6 to 23-11-4, Interior(1) 23-11-4 to 39-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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 (jt=lb) B=516, H=127, J=913.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	A5	GABLE	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:56:04 2019 Page 1
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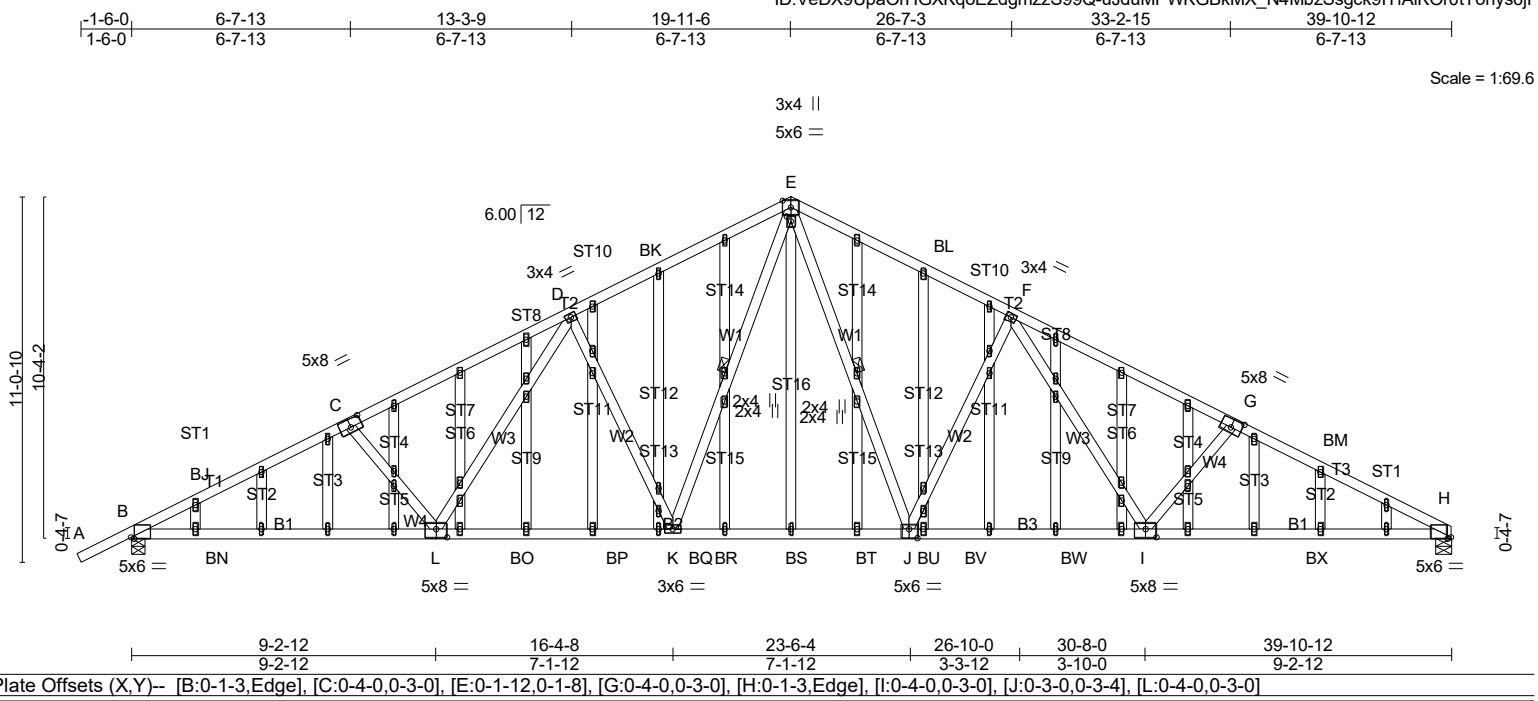


Plate Offsets (X,Y)-- [B:0-1-3,Edge], [C:0-4-0,0-3-0], [E:0-1-12,0-1-8], [G:0-4-0,0-3-0], [H:0-1-3,Edge], [I:0-4-0,0-3-0], [J:0-3-0,0-3-4], [L:0-4-0,0-3-0]

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	0.64	Vert(LL)	-0.25	J-K	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.38	J-K	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.14	H	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.33	H-I	>999	240	Weight: 324 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* 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 3-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-2-1 oc bracing.
1 Row at midpt E-J, 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=1871/0-5-8 (min. 0-2-0), H=1732/0-5-8 (min. 0-1-14)
Max Horz B=225(LC 11)
Max Uplift B=-813(LC 12), H=-737(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-BJ=-3255/2359, C-BJ=-3155/2375, C-D=-2961/2349, D-BK=-2337/1933, E-BK=-2217/1948, E-BL=-2219/1964, F-BL=-2339/1949, F-G=-2984/2409, G-BM=-3142/2443, H-BM=-3280/2428
BOT CHORD B-BN=-2001/2791, L-BN=-2001/2791, L-BO=-1573/2290, BO-BP=-1573/2290, BP-BQ=-1573/2290, K-BQ=-1573/2290, K-BR=-1058/1710, BR-BS=-1058/1710, BS-BT=-1058/1710, J-BT=-1058/1710, J-BU=-1568/2296, BU-BV=-1568/2296, BV-BW=-1568/2296, I-BW=-1568/2296, I-BX=-2049/2819, H-BX=-2049/2819
WEBS E-J=-765/844, F-J=-765/627, F-I=-579/542, G-I=-413/310, E-K=-762/840, D-K=-756/622, D-L=-527/517, C-L=-399/266

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; B=45ft; L=40ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3) -1-6-13 to 2-5-1, Exterior(2) 2-5-1 to 19-11-6, Corner(3) 19-11-6 to 23-11-4, Exterior(2) 23-11-4 to 39-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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) except (jt=lb) B=813, H=737.
9) 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

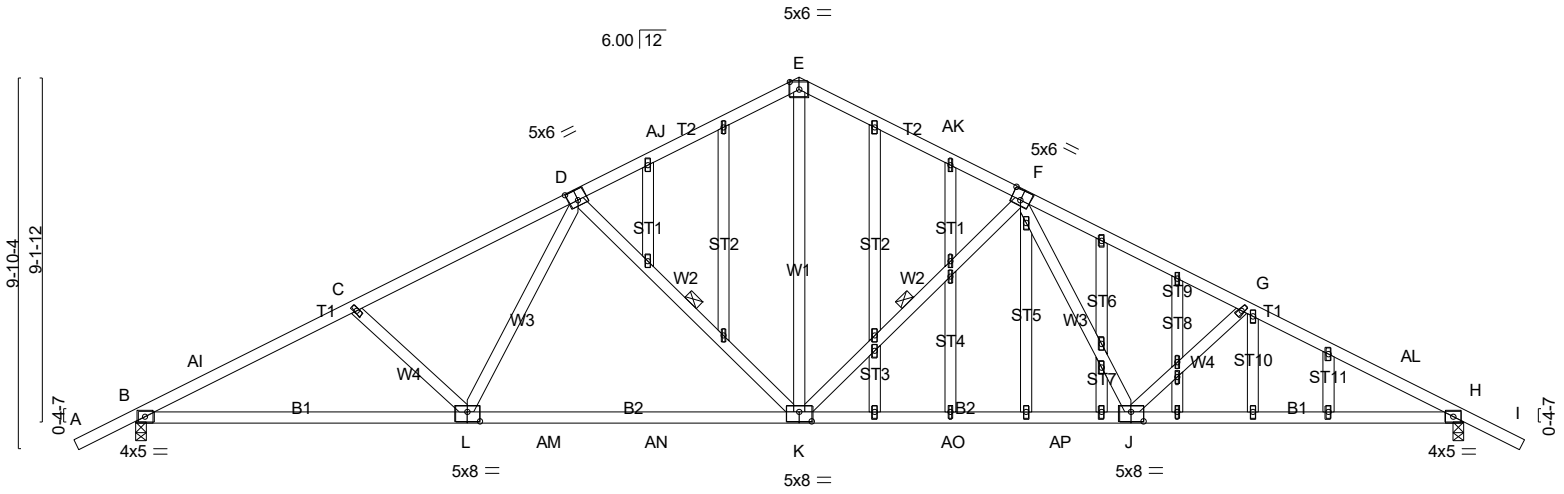
Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	B1	GABLE	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:56:06 2019 Page 1

ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-qikfn4Ybno_4mHXTU0?wy5i8B6BneVfhIKMftays6jN

-1-6-0	5-10-3	11-8-7	17-6-10	23-4-13	29-3-1	35-1-4	36-7-4
1-6-0	5-10-3	5-10-3	5-10-3	5-10-3	5-10-3	5-10-3	1-6-0

Scale = 1:60.9



8-9-5	17-6-10	26-3-15	35-1-4
8-9-5	8-9-5	8-9-5	8-9-5

Plate Offsets (X,Y)-- [D:0-3-0,0-3-4], [F:0-3-0,0-3-4], [J:0-4-0,0-3-0], [K:0-4-0,0-3-0], [L: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	0.35	Vert(LL)	-0.23	J-K	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.35	J-K	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.11	H	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.23	K-L	>999	240	Weight: 221 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
OTHERS 2x4 DF Stud/Std

BRACING-

TOP CHORD Sheathed or 3-8-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-3-5 oc bracing.
WEBS 1 Row at midpt F-K, D-K

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

REACTIONS. (lb/size) B=1658/0-3-8 (min. 0-1-12), H=1658/0-3-8 (min. 0-1-12)
Max Horz B=-197(LC 10)
Max Uplift B=-721(LC 12), H=-721(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-AI=-2871/1690, C-AI=-2782/1704, C-D=-2562/1674, D-AJ=-1806/1204, E-AJ=-1699/1217, E-AK=-1699/1217, F-AK=-1806/1204, F-G=-2562/1674, G-AL=-2782/1704, H-AL=-2870/1690
BOT CHORD B-L=-1420/2465, L-AM=-1120/2022, AM-AN=-1120/2022, K-AN=-1120/2022, K-AO=-1138/2022, AO-AP=-1138/2022, J-AP=-1138/2022, H-J=-1443/2465
WEBS E-K=-909/1120, F-K=-725/477, F-J=-429/430, G-J=-367/162, D-K=-725/477, D-L=-429/430, C-L=-367/162

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; B=45ft; L=35ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-13 to 1-11-5, Interior(1) 1-11-5 to 17-6-10, Exterior(2) 17-6-10 to 21-0-12 , Interior(1) 21-0-12 to 36-8-1 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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) except (jt=lb) B=721, H=721.
9) 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

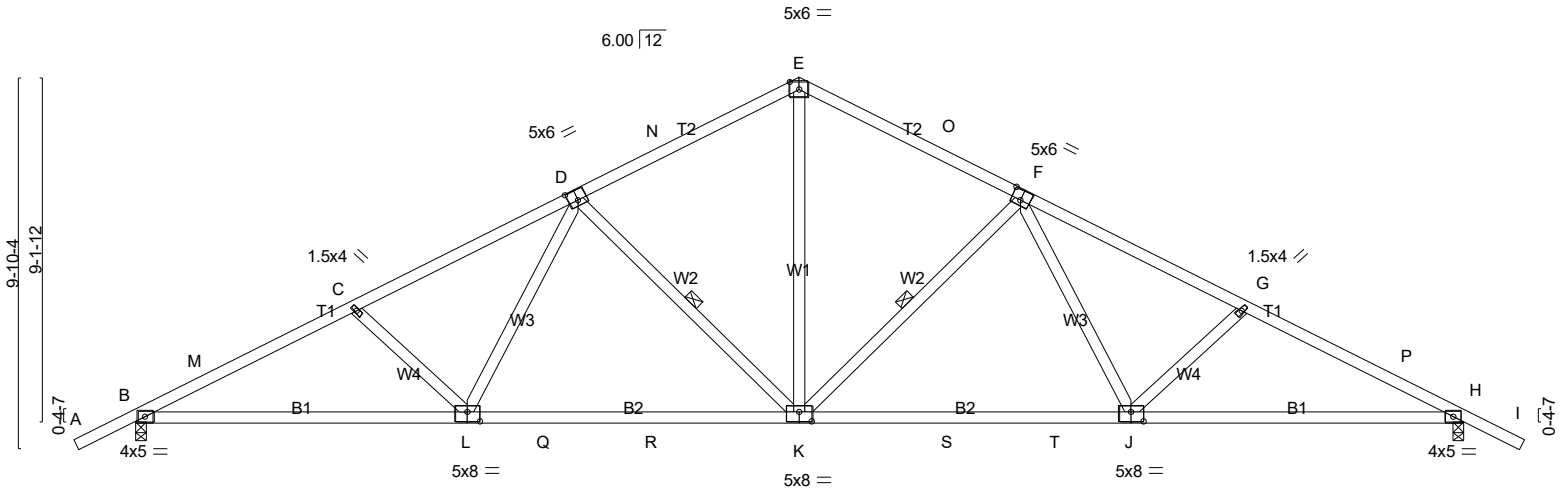
Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	B2	Common	4	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:56:08 2019 Page 1

ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-n4sPCmZrJPEo?bhrbR2O1WnUgvsE6P9_IerlxSys6jL

-1-6-0	5-10-3	11-8-7	17-6-10	23-4-13	29-3-1	35-1-4	36-7-4
1-6-0	5-10-3	5-10-3	5-10-3	5-10-3	5-10-3	5-10-3	1-6-0

Scale = 1:60.9



8-9-5	17-6-10	26-3-15	35-1-4
8-9-5	8-9-5	8-9-5	8-9-5

Plate Offsets (X,Y)-- [D:0-3-0,0-3-4], [F:0-3-0,0-3-4], [J:0-4-0,0-3-0], [K:0-4-0,0-3-0], [L: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	0.35	Vert(LL)	-0.23	J-K	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.35	J-K	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.11	H	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.23	K-L	>999	240	Weight: 167 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 3-8-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-3-5 oc bracing.
WEBS 1 Row at midpt F-K, D-K

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

REACTIONS. (lb/size) B=1658/0-3-8 (min. 0-1-12), H=1658/0-3-8 (min. 0-1-12)
Max Horz B=-197(LC 10)
Max Uplift B=-721(LC 12), H=-721(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-M=-2871/1690, C-M=-2782/1704, C-D=-2562/1674, D-N=-1806/1204, E-N=-1699/1217, E-O=-1699/1217, F-O=-1806/1204, F-G=-2562/1674, G-P=-2782/1704, H-P=-2870/1690
BOT CHORD B-L=-1420/2465, L-Q=-1120/2022, Q-R=-1120/2022, K-R=-1120/2022, K-S=-1138/2022, S-T=-1138/2022, J-T=-1138/2022, H-J=-1443/2465
WEBS E-K=-909/1120, F-K=-725/477, F-J=-429/430, G-J=-367/162, D-K=-725/477, D-L=-429/430, C-L=-367/162

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; B=45ft; L=35ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-6-13 to 1-11-5, Interior(1) 1-11-5 to 17-6-10, Exterior(2) 17-6-10 to 21-0-12 , Interior(1) 21-0-12 to 36-8-1 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=721, H=721.
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	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	B3	Common Girder	1	2	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:56:12 2019 Page 1

ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-fs5w18cMNekEUC_dqH6KBMy7SWCy2KiagGpz4Eys6jH

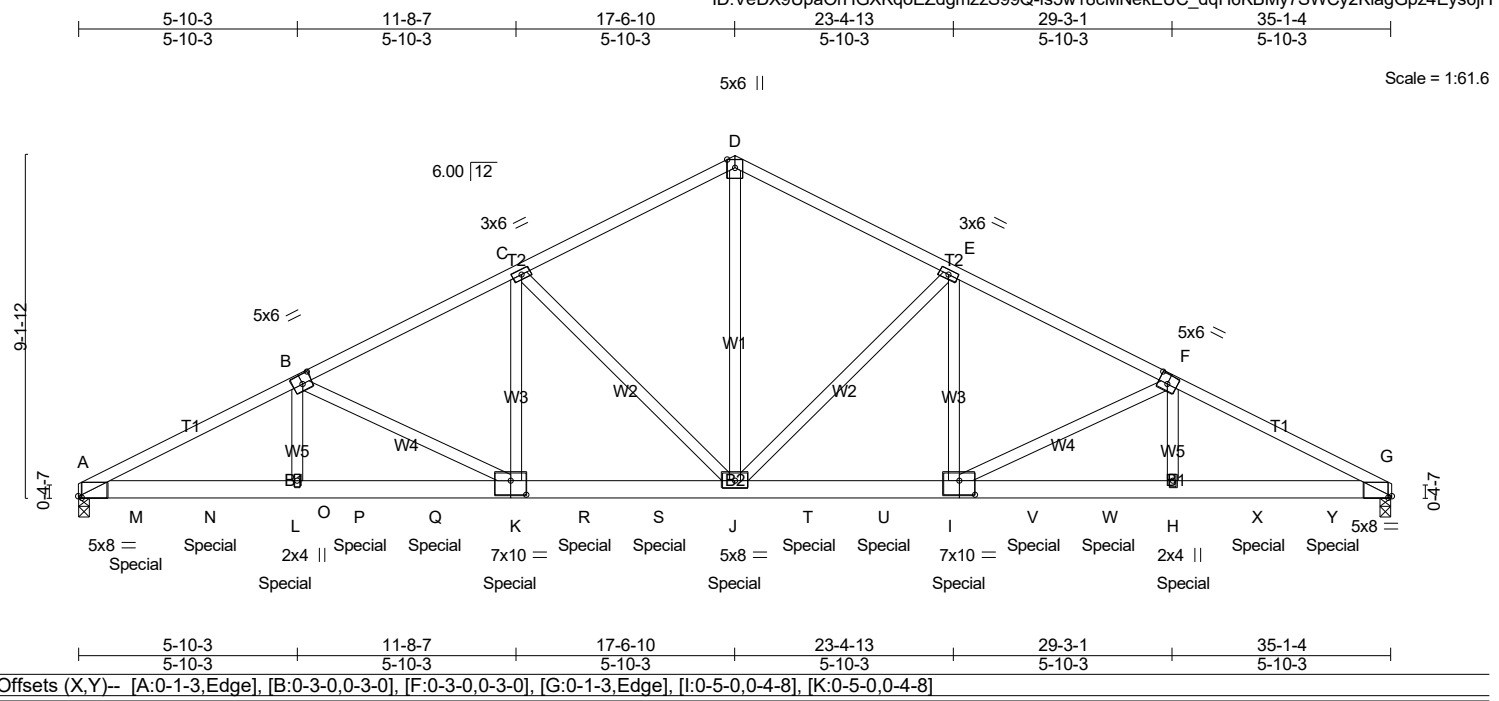


Plate Offsets (X,Y)-- [A:0-1-3,Edge], [B:0-3-0,0-3-0], [F:0-3-0,0-3-0], [G:0-1-3,Edge], [I:0-5-0,0-4-8], [K:0-5-0,0-4-8]

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	0.56	Vert(LL)	-0.31	J-K	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.41	J-K	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.13	G	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.20	J-K	>999	240	Weight: 399 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,W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E

BRACING-
TOP CHORD Sheathed or 4-0-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=5053/0-3-8 (min. 0-2-11), G=5039/0-3-8 (min. 0-2-11)
Max Horz A=-180(LC 30)
Max UpliftA=-1654(LC 8), G=-1650(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-9762/3184, B-C=-7850/2600, C-D=-5925/2021, D-E=-5925/2021, E-F=-7861/2603, F-G=-9773/3188
BOT CHORD A-M=-2785/8641, M-N=-2785/8641, N-O=-2785/8641, L-O=-2785/8641, L-P=-2772/8605, P-Q=-2772/8605, K-Q=-2772/8605, K-R=-2176/6939, R-S=-2176/6939, J-S=-2176/6939, J-T=-2179/6949, T-U=-2179/6949, I-U=-2179/6949, I-V=-2775/8614, V-W=-2775/8614, H-W=-2775/8614, H-X=-2787/8651, X-Y=-2787/8651, G-Y=-2787/8651
WEBS D-J=-1669/4799, E-J=-2471/871, E-I=-731/2156, F-I=-1878/669, F-H=-444/1340, C-J=-2456/867, C-K=-727/2141, B-K=-1878/669, B-L=-443/1338

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 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.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=35ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
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) except (jt=lb) A=1654, G=1650.
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.

Continued on page 2

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 413 lb down and 123 lb up at 1-6-6, 413 lb down and 123 lb up at 3-6-6, 413 lb down and 123 lb up at 5-6-6, 413 lb down and 123 lb up at 7-6-6, 413 lb down and 123 lb up at 9-6-6, 413 lb down and 123 lb up at 11-6-6, 413 lb down and 123 lb up at 13-6-6, 413 lb down and 123 lb up at 15-6-6, 413 lb down and 123 lb up at 17-6-6, 413 lb down and 123 lb up at 19-6-6, 413 lb down and 123 lb up at 21-6-6, 413 lb down and 123 lb up at 23-6-6, 413 lb down and 123 lb up at 25-6-6, 413 lb down and 123 lb up at 27-6-6, 413 lb down and 123 lb up at 29-6-6, and 413 lb down and 123 lb up at 31-6-6, and 413 lb down and 123 lb up at 33-6-6 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-D=-74, D-G=-74, A-G=-14
   Concentrated Loads (lb)
      Vert: K=-413(B) J=-413(B) I=-413(B) H=-413(B) M=-413(B) N=-413(B) O=-413(B) P=-413(B) Q=-413(B) R=-413(B) S=-413(B) T=-413(B) U=-413(B) V=-413(B) W=-413(B) X=-413(B) Y=-413(B)

Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	C1	GABLE	1	1	Job Reference (optional)

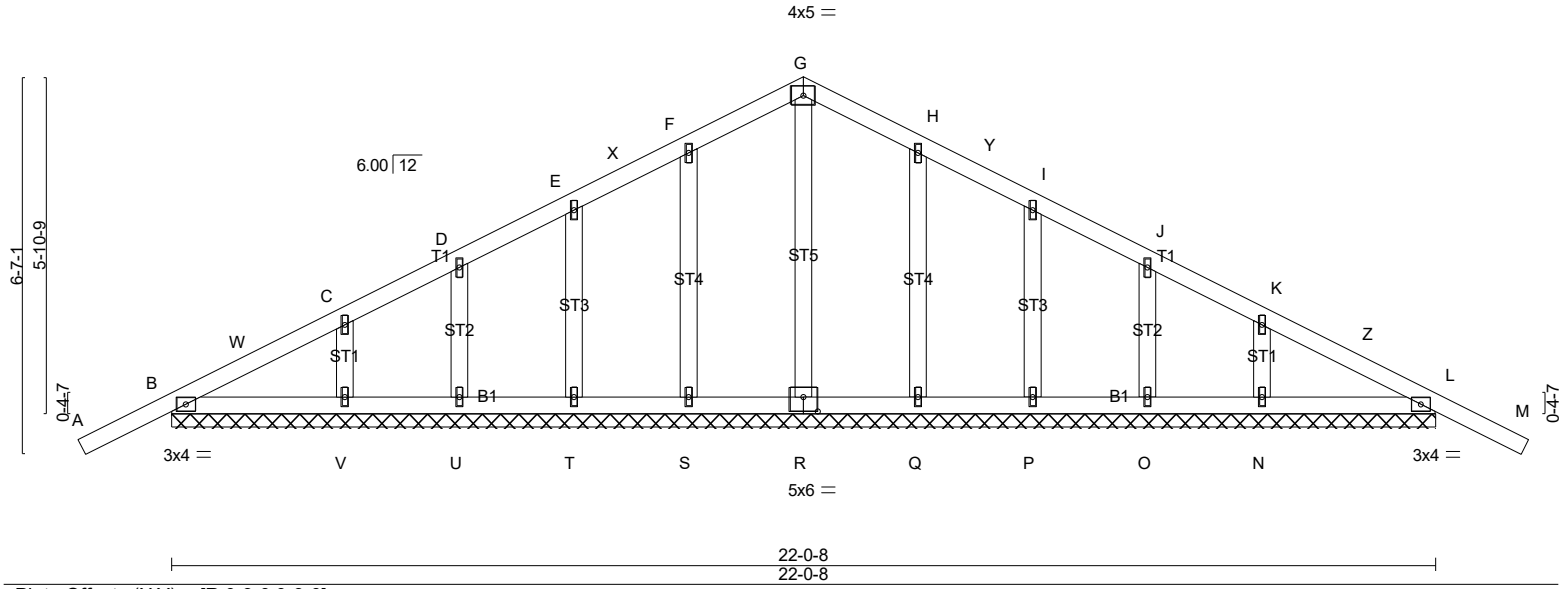
BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:56:15 2019 Page 1

ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-4Rn2g9fEgZ6oLgjBWPg1p_ZkJkMvFnv0ME2dhYys6jE

-1-6-0 | 11-0-4 | 22-0-8 | 23-6-8

1-6-0 | 11-0-4 | 11-0-4 | 1-6-0

Scale = 1:40.2



22-0-8

22-0-8

Plate Offsets (X,Y)-- [R: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	0.13	Vert(LL)	-0.01	M	n/r	120	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.01	M	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	L	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 106 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 22-0-8.

(lb) - Max Horz B=-116(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) B, S, T, U, V, Q, P, O, L, N

Max Grav All reactions 250 lb or less at joint(s) R, S, T, U, V, Q, P, O, N except B=271(LC 1), L=271(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; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=25ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3) -1-6-13 to 1-5-3, Exterior(2) 1-5-3 to 11-0-4, Corner(3) 11-0-4 to 14-0-4, Exterior(2) 14-0-4 to 23-7-5 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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) B, S, T, U, V, Q, P, O, L, N.
10) 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	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	D1	GABLE	1	2	Job Reference (optional)

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ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-0pvp5rgUCAMWbztadqiVuPf2PXvAjV?JqYXkmRys6jC

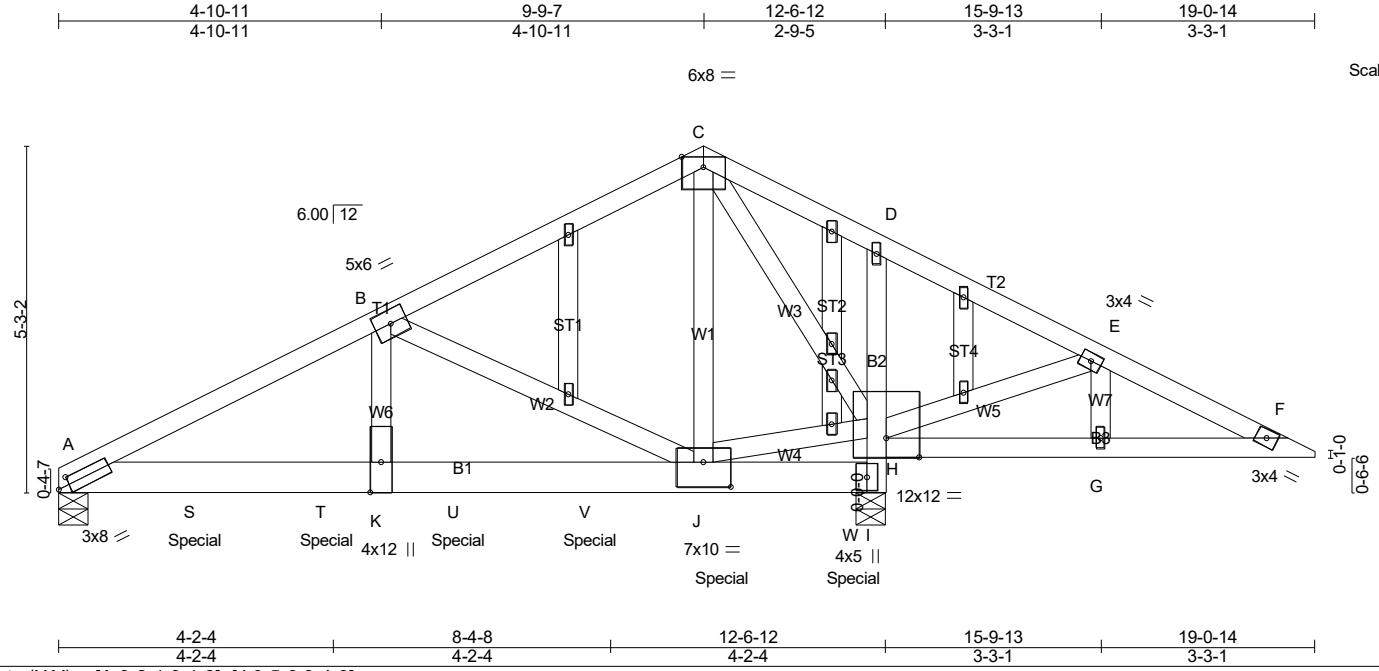


Plate Offsets (X,Y)-- [A:0-2-1,0-1-8], [J:0-5-0,0-4-8]

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	0.29	Vert(LL)	-0.08	J-K	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.12	J-K	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.02	I	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH		Wind(LL)	0.07	J-K	>999	240	Weight: 218 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 *Except* B1: 2x6 DF 1800F 1.6E or 2x6 DF SS
WEBS 2x4 DF Stud/Std
OTHERS 2x4 DF Stud/Std

BRACING-

TOP CHORD Sheathed or 5-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) A=3485/0-5-8 (min. 0-1-14), I=5104/0-5-8 (min. 0-1-8)
Max Horz A=86(LC 7)
Max Uplift A=-1484(LC 8), I=-1966(LC 9)
Max Grav A=3563(LC 17), I=5104(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-5971/2477, B-C=-2101/899, C-D=-132/551, D-E=-162/621, E-F=-67/272
BOT CHORD A-S=-2174/5262, S-T=-2174/5262, K-T=-2174/5262, K-U=-2174/5262, U-V=-2174/5262, J-V=-2174/5262, H-I=-4267/1616, D-H=-302/116
WEBS B-K=-1339/3133, B-J=-3872/1656, C-J=-1682/3907, H-J=-736/1749, C-H=-4129/1585, E-H=-331/132

NOTES-

1) 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, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) 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.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Bearing at joint(s) I considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=1484, I=1966.
12) 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.

Continued on page 2

NOTES-

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1162 lb down and 487 lb up at 2-0-12, 1162 lb down and 487 lb up at 4-0-12, 1162 lb down and 487 lb up at 6-0-12, 1162 lb down and 487 lb up at 8-0-12, and 1162 lb down and 487 lb up at 10-0-12, and 1162 lb down and 494 lb up at 12-0-12 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, A-I=-14, F-H=-14
   Concentrated Loads (lb)
      Vert: J=-1162(B) S=-1162(B) T=-1162(B) U=-1162(B) V=-1162(B) W=-1162(B)

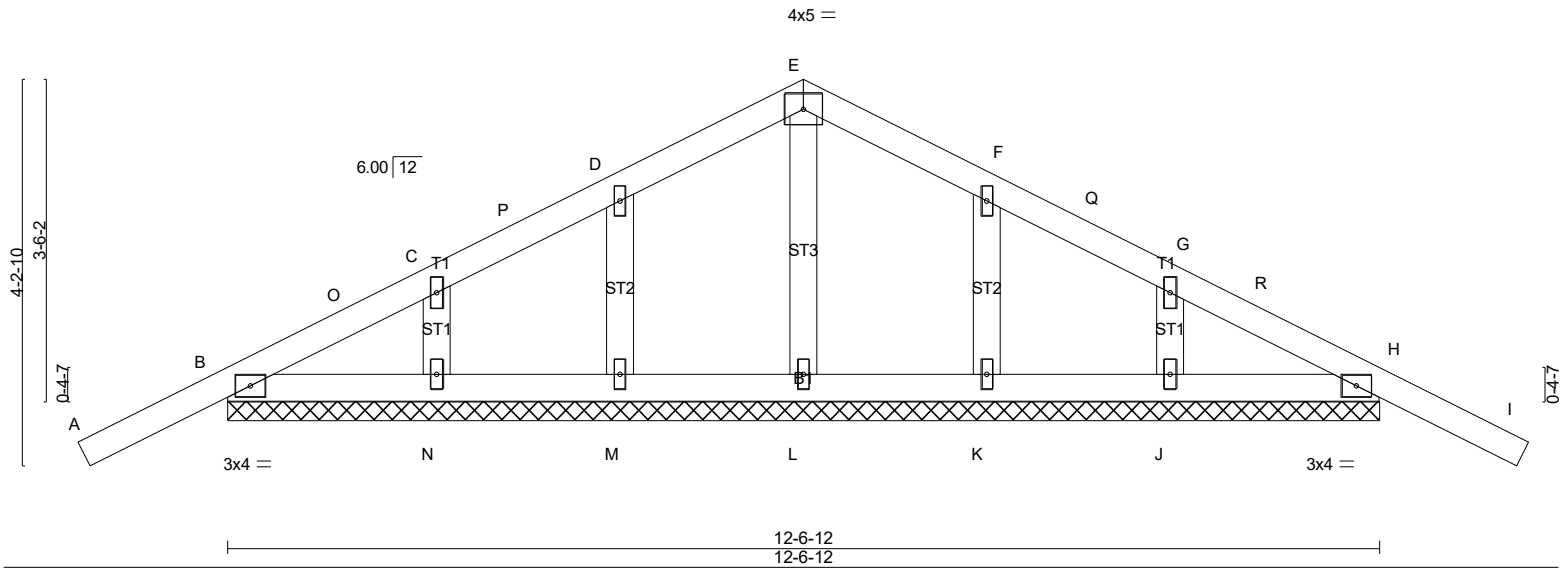
Job	Truss	Truss Type	Qty	Ply	TOUCHSTONE BLDRS 5208 ROCK HOLLOW
19-054828T	E1	Common	1	1	Job Reference (optional)

BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402 — 8.220 s Feb 10 2019 MiTek Industries, Inc. Thu Aug 1 18:56:19 2019 Page 1

ID:VeDX9UpaOrHGXKqoEZdgmzzS99Q-yC1ZVXiljodEqH0zlFkzzqkQ?LjWBbucHs0rqKys6jA

-1-6-0 / 1-6-0 — 6-3-6 / 6-3-6 — 12-6-12 / 6-3-6 — 14-0-12 / 1-6-0

Scale = 1:25.1



12-6-12 / 12-6-12

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	0.15	Vert(LL)	-0.01	I	n/r	120	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	I	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	H	n/a	n/a		
BCDL	7.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 53 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 12-6-12.
(lb) - Max Horz B=72(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) M, N, K, J except B=-109(LC 12), H=-109(LC 12)
Max Grav All reactions 250 lb or less at joint(s) L, M, N, K, J except B=255(LC 1), H=255(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; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=25ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3) -1-6-13 to 1-5-3, Exterior(2) 1-5-3 to 6-3-6, Corner(3) 6-3-6 to 9-3-6, Exterior(2) 9-3-6 to 14-1-9 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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) M, N, K, J except (jt=lb) B=109, H=109.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) B, H.
11) 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