

Job 17-102952T	Truss FT1GE	Truss Type FLOOR SUPPORTED GABL	Qty 4	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.000 s Jul 15 2016 MiTek Industries, Inc. Tue Oct 10 17:27:39 2017 Page 1
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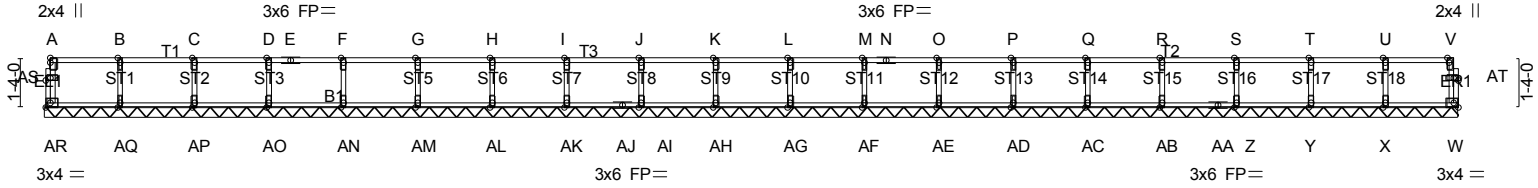


Plate Offsets (X,Y)-- [V:0-1-8,Edge], [AS:0-1-8,0-0-12], [AT:0-1-8,0-0-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.19	Vert(LL)	n/a	-	n/a	MT20	220/195
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(TL)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	0.00	W	n/a		
BCDL 5.0	Code IBC2012/TPI2007		(Matrix)						
								Weight: 134 lb	FT = 0%F, 10%E

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

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

REACTIONS. All bearings 37-11-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) AR, W, AQ, AP, AO, AN, AM, AL, AK, AI, AH, AG, AF, AE, AD, AC, AB, Z, Y, X

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

- NOTES-**
- 1) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 2-0-0 oc.
 - 5) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job 17-102952T	Truss FT2	Truss Type FLOOR	Qty 22	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.000 s Jul 15 2016 MiTek Industries, Inc. Tue Oct 10 17:27:39 2017 Page 1
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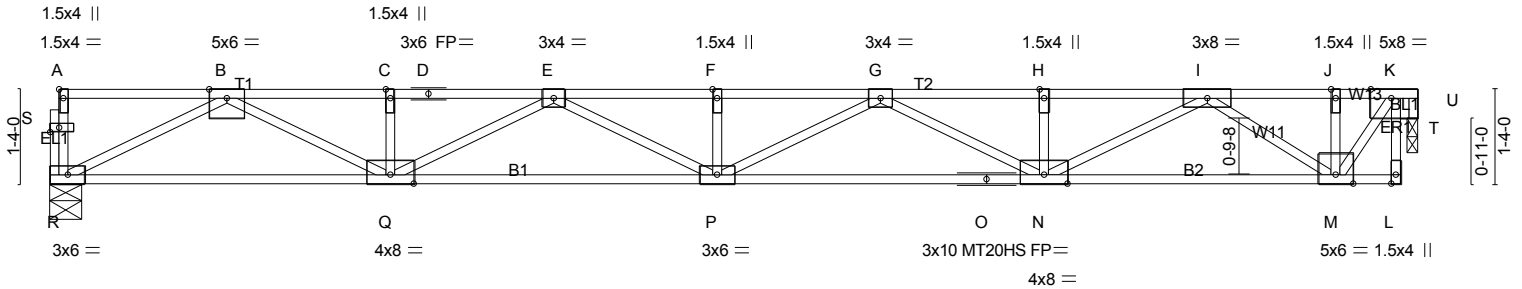


Plate Offsets (X,Y)-- [A:Edge,0-0-12], [K:0-3-8,Edge], [S:0-1-8,0-0-12]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.29	Vert(LL)	-0.25	P	>930	MT20	220/195
TCDL 10.0	Lumber DOL	1.00	BC 0.54	Vert(TL)	-0.39	N-P	>584	MT20HS	165/146
BCLL 0.0	Rep Stress Incr	YES	WB 0.59	Horz(TL)	0.03	U	n/a		
BCDL 5.0	Code IBC2012/TPI2007		(Matrix)						
								Weight: 91 lb	FT = 0%F, 10%E

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

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

REACTIONS. (lb/size) R=836/0-5-4 (min. 0-1-8), U=822/0-1-12 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2495/0, C-D=-2495/0, D-E=-2495/0, E-F=-3353/0, F-G=-3353/0, G-H=-2664/0, H-I=-2664/0, I-J=-727/0, J-K=-727/0
BOT CHORD Q-R=0/1468, P-Q=0/3103, O-P=0/3185, N-O=0/3185, M-N=0/1716
WEBS B-R=-1643/0, B-Q=0/1158, E-Q=-686/0, E-P=0/282, G-N=-588/0, I-N=0/1069, I-M=-1189/0, K-M=0/1095

- NOTES-**
- 1) All plates are MT20 plates unless otherwise indicated.
 - 2) Bearing at joint(s) U considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) U.
 - 4) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
17-102952T	FT3	FLOOR	12	1	

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

8.000 s Jul 15 2016 MiTek Industries, Inc. Tue Oct 10 17:27:40 2017 Page 1
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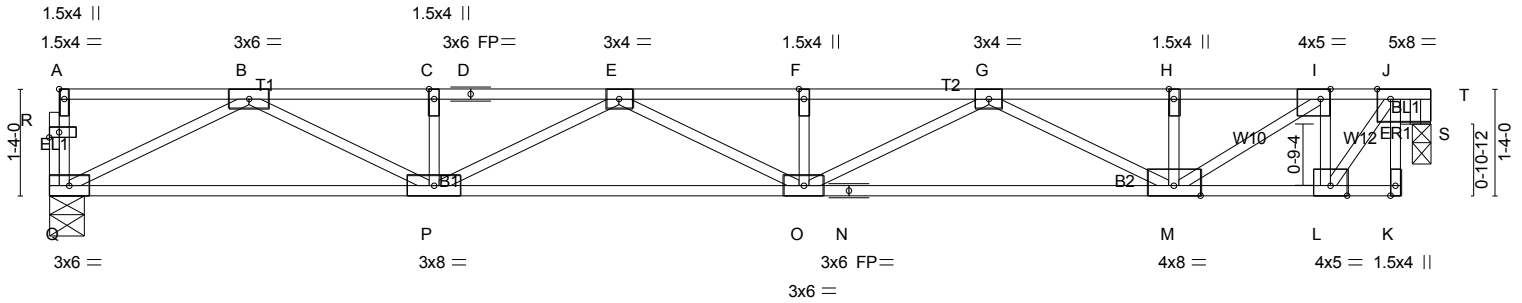


Plate Offsets (X,Y)-- [A:Edge,0-0-12], [I:0-1-8,Edge], [J:0-2-0,Edge], [R:0-1-8,0-0-12]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.33	Vert(LL)	-0.16	O-P	>999	480	MT20	220/195
TCDL 10.0	Lumber DOL	1.00	BC 0.43	Vert(TL)	-0.25	O-P	>807	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.54	Horz(TL)	0.02	T	n/a	n/a		
BCDL 5.0	Code IBC2012/TPI2007		(Matrix)						Weight: 82 lb	FT = 0%F, 10%E

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

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

REACTIONS. (lb/size) Q=741/0-5-4 (min. 0-1-8), T=723/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-2127/0, C-D=-2127/0, D-E=-2127/0, E-F=-2622/0, F-G=-2622/0, G-H=-1562/0, H-I=-1562/0, I-J=-670/0
 BOT CHORD P-Q=0/1282, O-P=0/2554, N-O=0/2273, M-N=0/2273, L-M=0/670
 WEBS B-Q=-1434/0, B-P=0/953, E-P=-482/0, G-O=0/394, G-M=-802/0, I-M=0/1057, J-L=0/954, I-L=-766/0

- NOTES-**
- Bearing at joint(s) T considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
17-102952T	FT3GE	FLOOR SUPPORTED GABL	4	1	

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

8.000 s Jul 15 2016 MiTek Industries, Inc. Tue Oct 10 17:27:41 2017 Page 1
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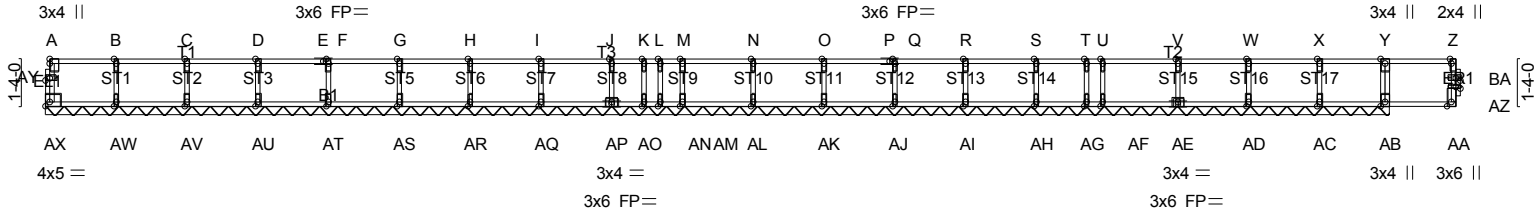


Plate Offsets (X,Y)-- [Z:0-1-8,Edge], [AX:Edge,0-1-8], [AY:0-1-8,0-12], [AZ:0-1-8,0-8], [BA:0-1-8,0-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.54	Vert(LL)	n/a	-	n/a	MT20	220/195
TCDL 10.0	Lumber DOL	1.00	BC 0.24	Vert(TL)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	-0.00	AB	n/a		
BCDL 5.0	Code IBC2012/TPI2007		(Matrix)						
								Weight: 147 lb	FT = 0%F, 10%E

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

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

REACTIONS. All bearings 37-11-12.
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) AX, AC
 Max Grav All reactions 250 lb or less at joint(s) AX, AO, AN, AG, AF, AV, AU, AT, AS, AR, AQ, AP, AM, AL, AK, AJ, AI, AH, AE, AD, AC except AB=390(LC 1), AW=291(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS Y-AB=-284/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 2-0-0 oc.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) AX, AC.
 - 6) Non Standard bearing condition. Review required.
 - 7) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 9) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job 17-102952T	Truss FT4	Truss Type FLOOR	Qty 22	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.000 s Jul 15 2016 MiTek Industries, Inc. Tue Oct 10 17:27:42 2017 Page 1
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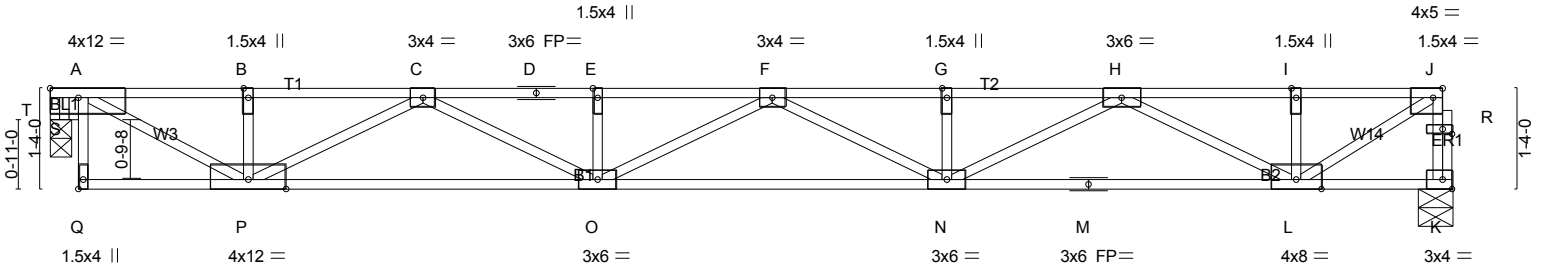


Plate Offsets (X,Y)-- [A:Edge,0-1-8], [J:0-1-8,Edge], [Q:Edge,0-0-12], [R:0-1-8,0-0-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	1-7-3	TC 0.21	Vert(LL) -0.21	N-O	>999	480	MT20	220/195
TCDL 10.0	Plate Grip DOL 1.00	BC 0.51	Vert(TL) -0.34	N-O	>651	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.74	Horz(TL) 0.03	K	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code IBC2012/TPI2007						Weight: 87 lb	FT = 0%F, 10%E

LUMBER-	BRACING-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E(flat)	TOP CHORD Structural wood sheathing directly applied 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(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 DF Stud/Std(flat) *Except*	

OTHERS W2: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E(flat)
2x4 DF Stud/Std(flat)

REACTIONS. (lb/size) K=796/0-5-4 (min. 0-1-8), T=782/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD K-R=-793/0, J-R=-792/0, A-B=-1414/0, B-C=-1414/0, C-D=-2887/0, D-E=-2887/0,
E-F=-2887/0, F-G=-2810/0, G-H=-2810/0, H-I=-1180/0, I-J=-1180/0
BOT CHORD O-P=0/2324, N-O=0/3026, M-N=0/2172, L-M=0/2172
WEBS A-P=0/1461, C-P=-1027/0, C-O=0/635, H-N=0/720, H-L=-1119/0, J-L=0/1356

- NOTES-
- 1) Bearing at joint(s) T considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 2) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job 17-102952T	Truss FT4GE	Truss Type FLOOR SUPPORTED GABL	Qty 4	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.000 s Jul 15 2016 MiTek Industries, Inc. Tue Oct 10 17:27:42 2017 Page 1
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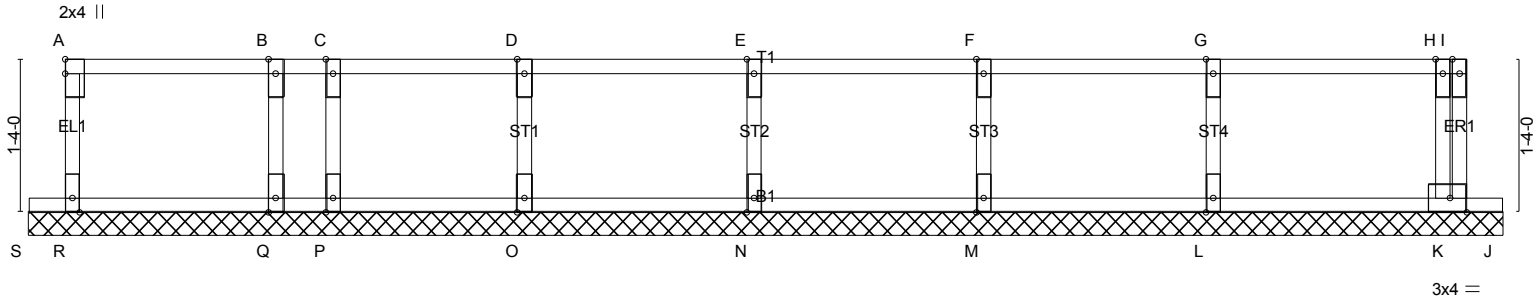


Plate Offsets (X,Y)-- [K:0-1-12,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.22	Vert(LL)	n/a	-	n/a	MT20	220/195
TCDL 10.0	Lumber DOL	1.00	BC 0.02	Vert(TL)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	0.00	J	n/a		
BCDL 5.0	Code IBC2012/TPI2007		(Matrix)						
								Weight: 47 lb	FT = 0%F, 10%E

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

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

REACTIONS. All bearings 12-10-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) J
Max Grav All reactions 250 lb or less at joint(s) S, J, R, K, Q, P, O, N, M, L

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

- NOTES-**
- 1) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 2-0-0 oc.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J.
 - 6) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job 17-102952T	Truss FT5	Truss Type FLOOR	Qty 12	Ply 1	Job Reference (optional)
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BMC WEST (IDAHO FALLS), IDAHO FALLS, ID 83402

8.000 s Jul 15 2016 MiTek Industries, Inc. Tue Oct 10 17:27:43 2017 Page 1
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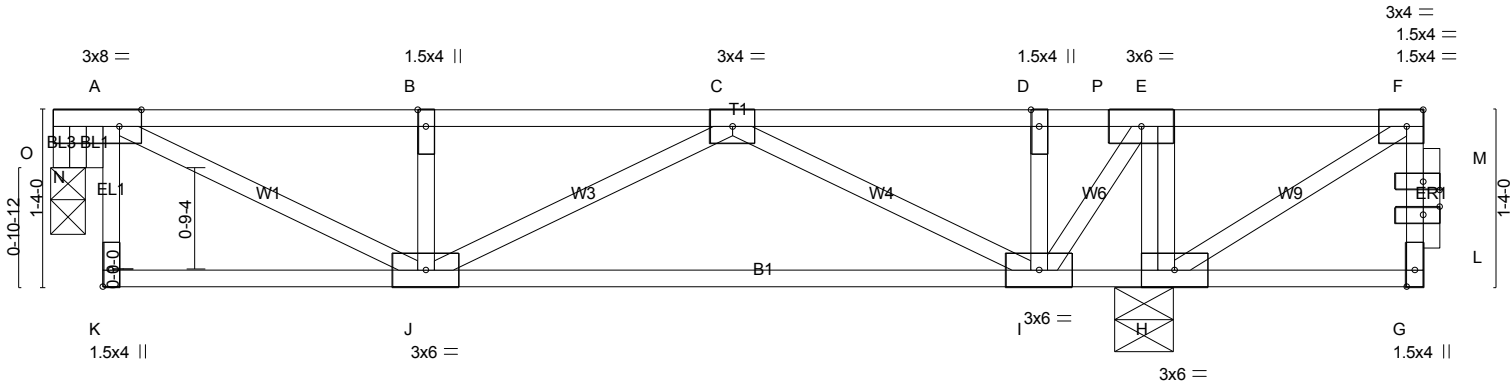


Plate Offsets (X,Y)-- [A:0-2-0,Edge], [F:0-1-8,Edge], [K:Edge,0-0-12], [L:0-1-8,0-0-12], [M:0-1-8,0-0-12]

LOADING (psf)	SPACING-	1-7-3	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 40.0	Plate Grip DOL	1.00	TC 0.83	Vert(LL)	-0.01	J	>999	480	MT20	220/195
TCDL 10.0	Lumber DOL	1.00	BC 0.13	Vert(TL)	-0.04	I-J	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.27	Horz(TL)	0.01	H	n/a	n/a		
BCDL 5.0	Code IBC2012/TPI2007		(Matrix)							
									Weight: 53 lb	FT = 0%F, 10%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied 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: H-I.

REACTIONS. (lb/size) H=549/0-5-8 (min. 0-1-8), O=316/0-3-0 (min. 0-1-8)
Max Grav H=549(LC 1), O=330(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-555/0, B-C=-555/0
BOT CHORD I-J=0/572
WEBS E-H=-476/0, A-J=0/528, C-I=-417/0, E-I=0/442

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Bearing at joint(s) O considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 3) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard