Job	Truss	Truss Type	Qty	Ply	
14-040555	A1	Common	8	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:22 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-XPtbyryLPSJ0zoFjfrQUQWOtvfxLJp1s4fGrJmzKTZd

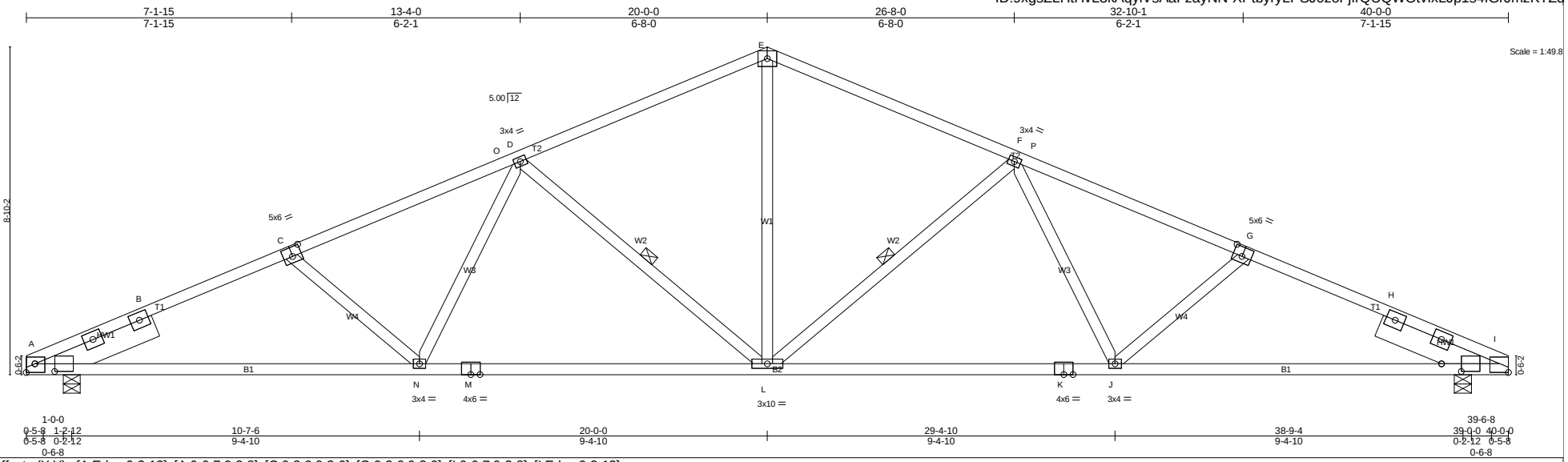


Plate Offsets (X,Y): [A:Edge,0-2-13], [A:0-6-7,0-2-8], [C:0-3-0,0-3-0], [G:0-3-0,0-3-0], [I:0-6-7,0-2-8], [I:Edge,0-2-13]

LOADING (psf)		**SPACING** 2-0-0	**CSI**	**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase 1.15	TC 0.61	Vert(LL)	-0.27	L-N	>999	360	MT20	220/195
(Roof Snow=30.0)		Lumber Increase 1.15	BC 0.60	Vert(TL)	-0.53	L-N	>903	240		
TCDL	7.0	Rep Stress Incr YES	WB 0.25	Horz(TL)	0.19	I	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)	Wind(LL)	0.16	L	>999	240	Weight: 195 lb	FT = 20%
BCDL	7.0									

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std *Except*
W1,W2: 2x4 DF 1800F 1.6E
SLIDER Left 2x8 DF SS 3-4-12, Right 2x8 DF SS 3-4-12

BRACING
TOP CHORD Sheathed or 3-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-2-9 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=1740/0-5-8 (min. 0-1-14), I=1740/0-5-8 (min. 0-1-14)
Max Horz A=108(LC 7)
Max UpliftA=-417(LC 7), I=-417(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3533/838, B-C=-3452/852, C-O=-3186/772, D-O=-3009/773, D-E=-2324/596, E-F=-2324/596, F-P=-3010/774, G-P=-3186/772, G-H=-3452/853, H-I=-3533/838
BOT CHORD A-N=-802/3141, M-N=-594/2686, L-M=-594/2686, K-L=-486/2686, J-K=-486/2686, I-J=-694/3141
WEBS E-L=-262/1217, F-L=-1026/342, F-J=-83/425, G-J=-372/234, D-L=-1026/342, D-N=-83/425, C-N=-372/234

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) All plates are 5x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=417, I=417.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	A1D	COMMON	4	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:23 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-?cRzABzzAmRtayqwDZxjzjx2h3Hk2GF?JJ0OrCzKTZc

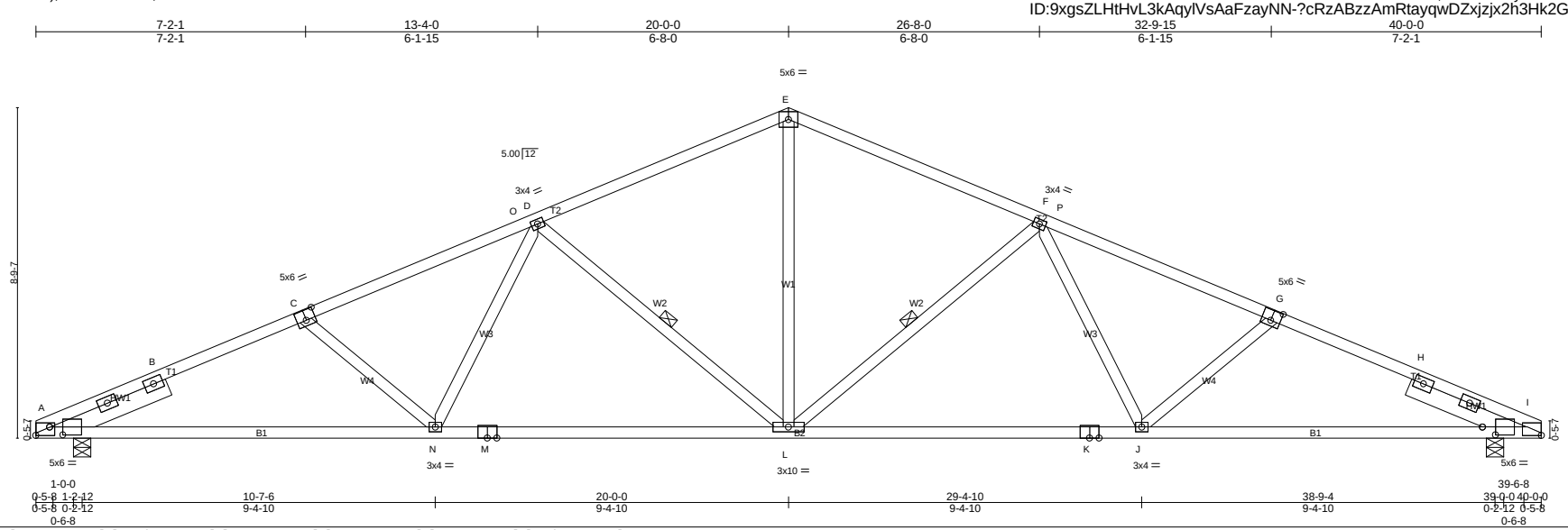


Plate Offsets (X,Y): [A:0-4-2,0-2-8], [A:Edge,0-2-11], [C:0-3-0,0-3-4], [G:0-3-0,0-3-4], [I:0-4-2,0-2-8], [I:Edge,0-2-11]

LOADING (psf)		**SPACING** 2-0-0		**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase	1.15	TC	0.61	Vert(LL)	-0.27	L	>999	360	MT20	220/195
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.59	Vert(TL)	-0.53	L-N	>895	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.19	I	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix)		Wind(LL)	0.16	L	>999	240	Weight: 190 lb	FT = 20%
BCDL	7.0											

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std *Except*
W1,W2: 2x4 DF 1800F 1.6E
SLIDER Left 2x6 DF SS 3-3-14, Right 2x6 DF SS 3-3-14

BRACING
TOP CHORD Sheathed or 3-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-1-7 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=1740/0-5-8 (min. 0-1-14), I=1740/0-5-8 (min. 0-1-14)
Max Horz A=107(LC 7)
Max UpliftA=-417(LC 7), I=-417(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3590/852, B-C=-3473/866, C-O=-3230/781, D-O=-3053/782, D-E=-2339/598, E-F=-2339/598, F-P=-3053/782, G-P=-3230/781, G-H=-3473/866, H-I=-3590/852
BOT CHORD A-N=-818/3206, M-N=-600/2712, L-M=-600/2712, K-L=-493/2712, J-K=-493/2712, I-J=-711/3206
WEBS E-L=-263/1226, F-L=-1039/344, F-J=-88/450, G-J=-404/242, D-L=-1039/344, D-N=-88/450, C-N=-404/242

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) All plates are 4x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=417, I=417.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	A1GE	Common Supported Gable	4	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:24 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-Uo?LNW_cx3ZjC6P6nGSyVxULOSk8njE8YzlxNfzKTZb

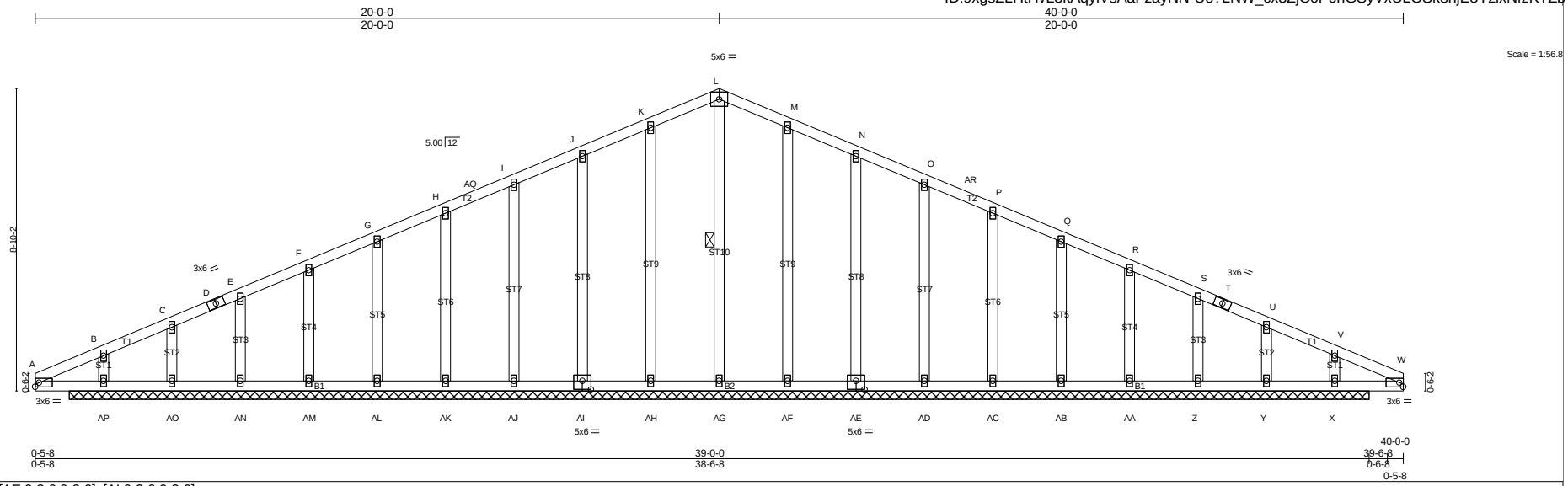


Plate Offsets (X,Y): [AE:0-3-0,0-3-0], [AI:0-3-0,0-3-0]

LOADING (psf)		**SPACING** 2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase 1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow=30.0)		Lumber Increase 1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr YES	WB	0.20	Horz(TL)	0.01	X	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 225 lb	FT = 20%
BCDL	7.0										

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
OTHERS 2x4 DF Stud/Std *Except*
ST10,ST9: 2x4 DF 1800F 1.6E

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

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

REACTIONS All bearings 38-0-0.
(lb) - Max Horz AP=108(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) AH, AI, AJ, AK, AL, AM, AN, AO, AP, AF, AE, AD, AC, AB, AA, Z, X except Y=-103(LC 8)
Max Grav All reactions 250 lb or less at joint(s) AG, AK, AL, AM, AN, AO, AC, AB, AA, Z, Y except AH=279(LC 2), AI=264(LC 2), AJ=260(LC 2), AP=287(LC 2), AF=279(LC 3), AE=264(LC 3), AD=260(LC 3), X=287(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD K-L=0/256, L-M=0/251
WEBS K-AH=-251/71, M-AF=-251/70

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
4) Unbalanced snow loads have been considered for this design.
5) All plates are 2x4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) AH, AI, AJ, AK, AL, AM, AN, AO, AP, AF, AE, AD, AC, AB, AA, Z, X except (jt=lb) Y=103.
9) Non Standard bearing condition. Review required.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	A1S	Common	16	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:24 2014 Page 1

ID:9xgsZLHtHvL3kAqylVsAaFzayNN-Uo?LNW_cx3ZjC6P6nGSyVxU9ZSctnjb8YzlxNfzKTZb

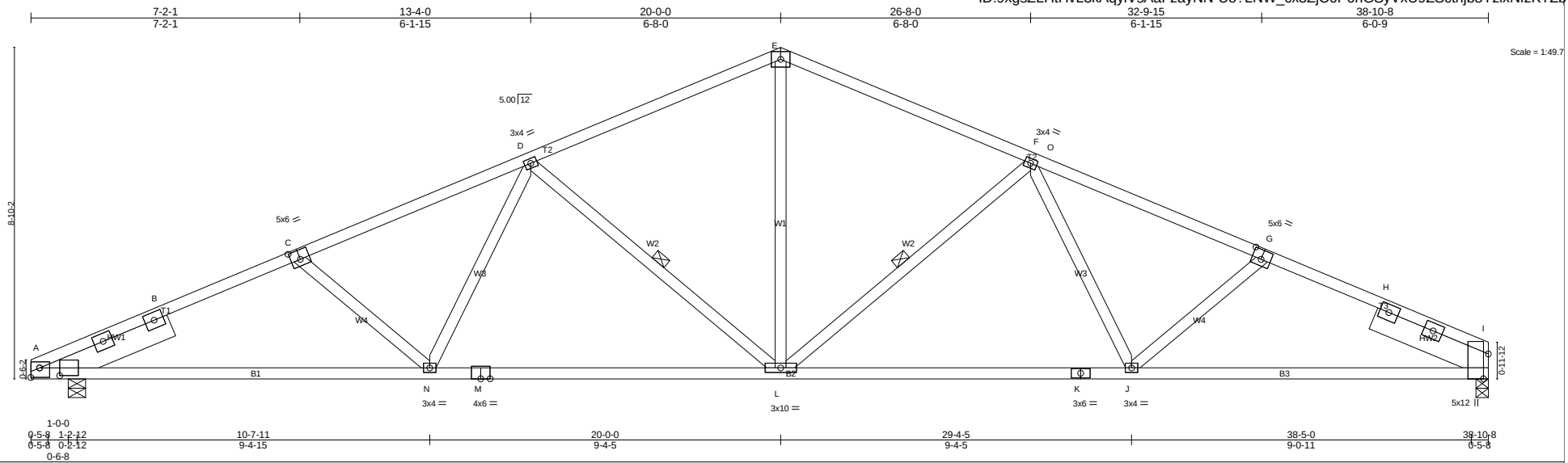


Plate Offsets (X,Y): [A:Edge,0-3-1], [A:0-6-7,0-2-8], [C:0-3-0,0-3-0], [G:0-3-0,0-3-0], [I:0-7-15,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.85	Vert(LL)	-0.26	J-L	>999	360	MT20	220/195
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.60	Vert(TL)	-0.52	J-L	>890	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.17	I	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix)		Wind(LL)	0.15	J-L	>999	240	Weight: 193 lb	FT = 20%
BCDL	7.0											

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E *Except*
T3: 2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std *Except*
W2,W1: 2x4 DF 1800F 1.6E
SLIDER Left 2x8 DF SS 3-8-2, Right 2x8 DF SS 3-4-1

BRACING

TOP CHORD Sheathed or 2-4-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-8 oc bracing.
WEBS 1 Row at midpt D-L, F-L

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

REACTIONS (lb/size) I=1700/0-4-0 (min. 0-1-13), A=1700/0-5-8 (min. 0-1-13)
Max Horz A=-108(LC 8)
Max Uplift I=-404(LC 8), A=-410(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3438/821, B-C=-3270/836, C-D=-3090/755, D-E=-2226/572, E-F=-2228/578, F-O=-2711/703, G-O=-2870/701, G-H=-3031/755, H-I=-3145/744
BOT CHORD A-N=-787/3057, M-N=-577/2597, L-M=-577/2597, K-L=-444/2508, J-K=-444/2508, I-J=-584/2698
WEBS C-N=-377/235, D-N=-83/427, D-L=-1008/342, E-L=-250/1150, F-L=-915/316, F-J=-34/302

NOTES

1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) All plates are 5x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) I=404, A=410.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	A1SD	COMMON	8	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:25 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-y_Zkas?EiNhaqF_lK_zB280KHsyGW9oIndVVw5zKTZa

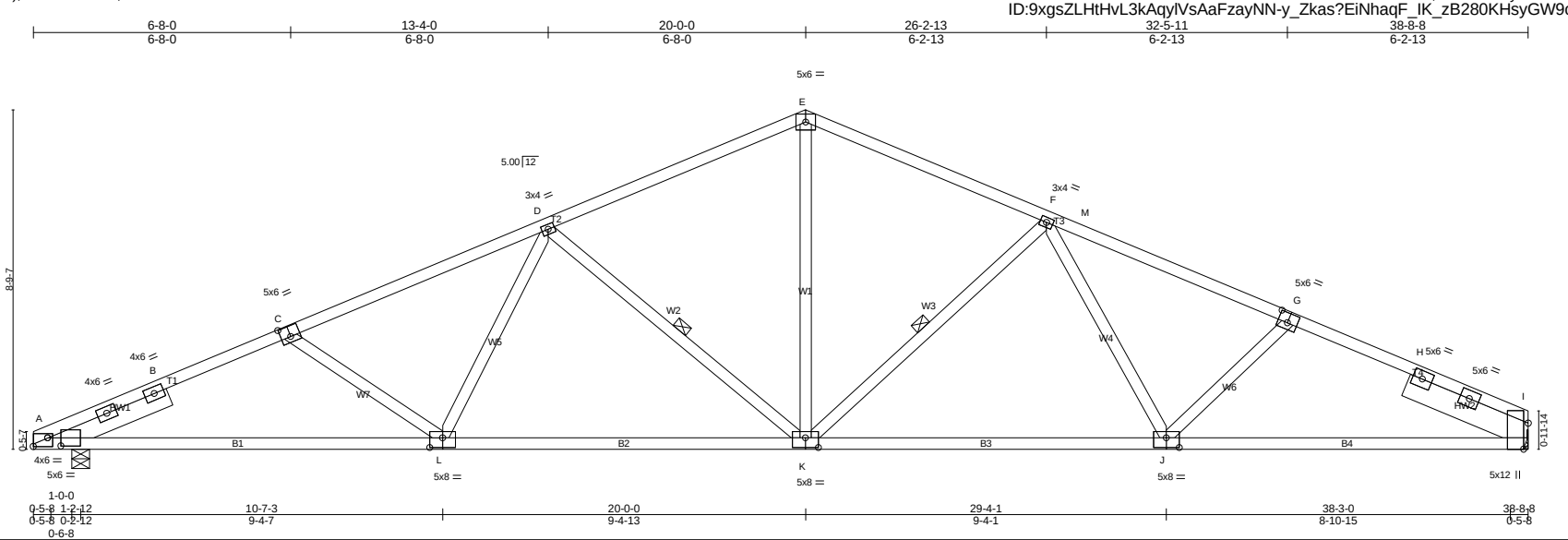


Plate Offsets (X,Y): [A:0-4-2,0-2-8], [A:Edge,0-2-11], [C:0-3-0,0-3-4], [G:0-3-0,0-3-0], [I:0-8-1,Edge], [J:0-4-0,0-3-0], [K:0-4-0,0-3-0], [L:0-4-0,0-3-0]

LOADING (psf)		**SPACING** 2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase 1.15	TC	0.86	Vert(LL)	-0.26	J-K	>999	360	MT20	220/195
(Roof Snow=30.0)		Lumber Increase 1.15	BC	0.59	Vert(TL)	-0.52	J-K	>880	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.24	Horz(TL)	0.17	I	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)		Wind(LL)	0.15	J-K	>999	240	Weight: 189 lb	FT = 20%
BCDL	7.0										

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except*
T4: 2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std *Except*
W2,W1,W3: 2x4 DF 1800F 1.6E
SLIDER Left 2x6 DF SS 3-3-14, Right 2x8 DF SS 3-5-5

BRACING
TOP CHORD Sheathed or 2-3-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-1-12 oc bracing.
WEBS 1 Row at midpt D-K, F-K

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

REACTIONS (lb/size) A=1693/0-5-8 (min. 0-1-13), I=1693/Mechanical
Max Horz A=107(LC 7)
Max Uplift A=-409(LC 7), I=-402(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3507/848, B-C=-3353/862, C-D=-3115/752, D-E=-2222/570, E-F=-2215/578, F-M=-2706/702, G-M=-2849/691, G-H=-3013/748, H-I=-3130/737
BOT CHORD A-L=-819/3135, K-L=-584/2612, J-K=-429/2465, I-J=-577/2683
WEBS C-L=-422/253, D-L=-72/425, D-K=-1027/351, E-K=-258/1172, F-K=-898/311, F-J=-51/307

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) A=409, I=402.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	A2DGE	GABLE	4	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:27 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-uNhU?Y0UD_xI3Z8hSP0f7Z6s7gnd_3rbEx_c_zzKTZY

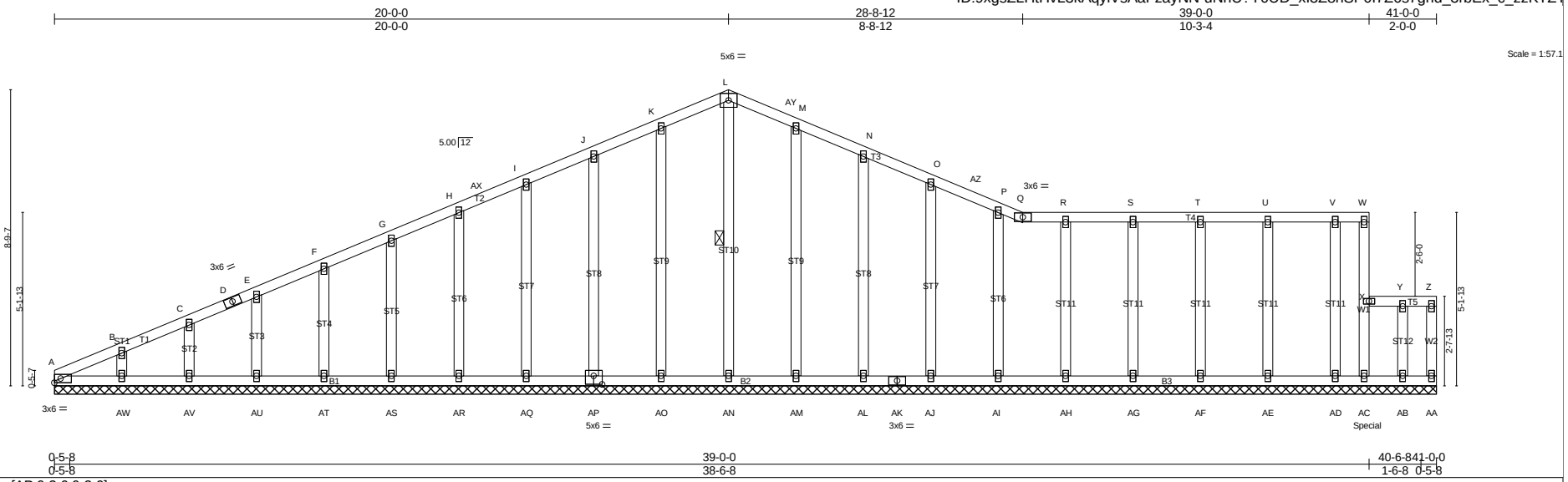


Plate Offsets (X,Y): [AP:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.00	AA	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix)							Weight: 251 lb	FT = 20%
BCDL	7.0											

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std
OTHERS 2x4 DF Stud/Std *Except*
ST10,ST9: 2x4 DF 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.
WEBS 1 Row at midpt L-AN

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

REACTIONS All bearings 41-0-0.
(lb) - Max Horz A=248(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) AA, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AM, AL, AJ, AI, AH, AG, AF, AE, AD, AB, AC
Max Grav All reactions 250 lb or less at joint(s) AA, A, AN, AR, AS, AT, AU, AV, AW, AD, AB, AC except AO=278(LC 2), AP=266(LC 2), AQ=266(LC 2), AM=293(LC 18), AL=279(LC 18), AJ=286(LC 18), AI=262(LC 18), AH=277(LC 17), AG=284(LC 17), AF=279(LC 17), AE=294(LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-258/36
WEBS K-AO=-250/78, M-AM=-265/75, N-AL=-251/83, O-AJ=-258/81, S-AG=-256/67, T-AF=-251/66, U-AE=-265/69

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1, Lu=50-0-0
4) Unbalanced snow loads have been considered for this design.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) AA, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AM, AL, AJ, AI, AH, AG, AF, AE, AD, AB, AC.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 165 lb down and 55 lb up at 38-11-4, and 161 lb down and 6 lb up at 40-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	
14-040555	A2DGE	GABLE	4	1	Job Reference (optional)

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-L=-74, L-Q=-74, Q-W=-74, A-AA=-14, X-Z=-74
Concentrated Loads (lb)
Vert: AA=-161 AC=-165(B)

Job	Truss	Truss Type	Qty	Ply	
14-040555	J1	Monopitch	20	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:27 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-uNhU?Y0UD_xI3Z8hSP0f7Z6r6gna_6TbEx_c_zzKTZY

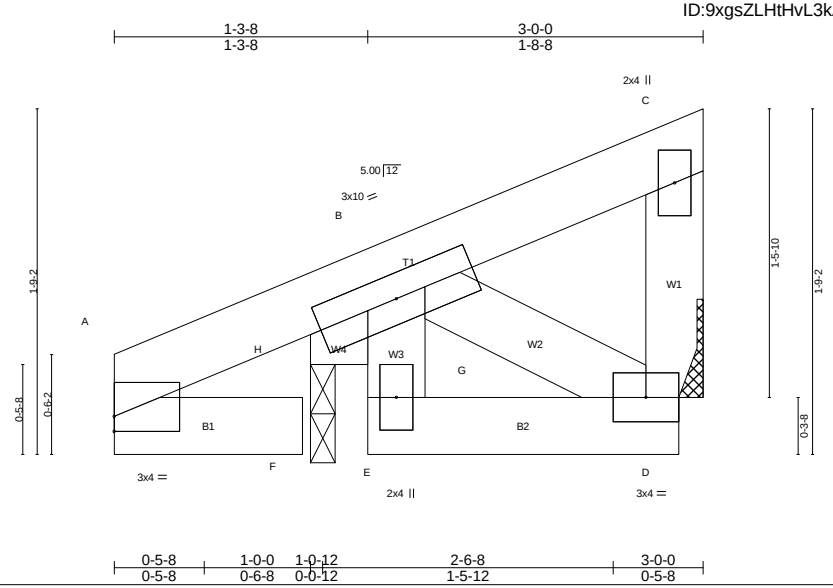


Plate Offsets (X,Y): [A:0-0-0,0-0-15]

LOADING (psf)		**SPACING** 2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase 1.15	TC	0.13	Vert(LL)	-0.00	E	>999	360	MT20	220/195
(Roof Snow=30.0)		Lumber Increase 1.15	BC	0.02	Vert(TL)	-0.00	E	>999	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.04	Horz(TL)	0.00	D	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)		Wind(LL)	0.00	E	>999	240	Weight: 12 lb	FT = 20%
BCDL	7.0										

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std

BRACING
TOP CHORD Sheathed or 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) D=51/Mechanical, H=194/0-1-8 (min. 0-1-8)
Max Horz H=58(LC 5)
Max Uplift D=-27(LC 5), H=-48(LC 5)

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

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) H considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) H.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D, H.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	K1HJ	Jack-Open	4	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:28 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-MZEsDu16_I39hjjt06Xugne?N47TjZjkTbj9XQzKTZX

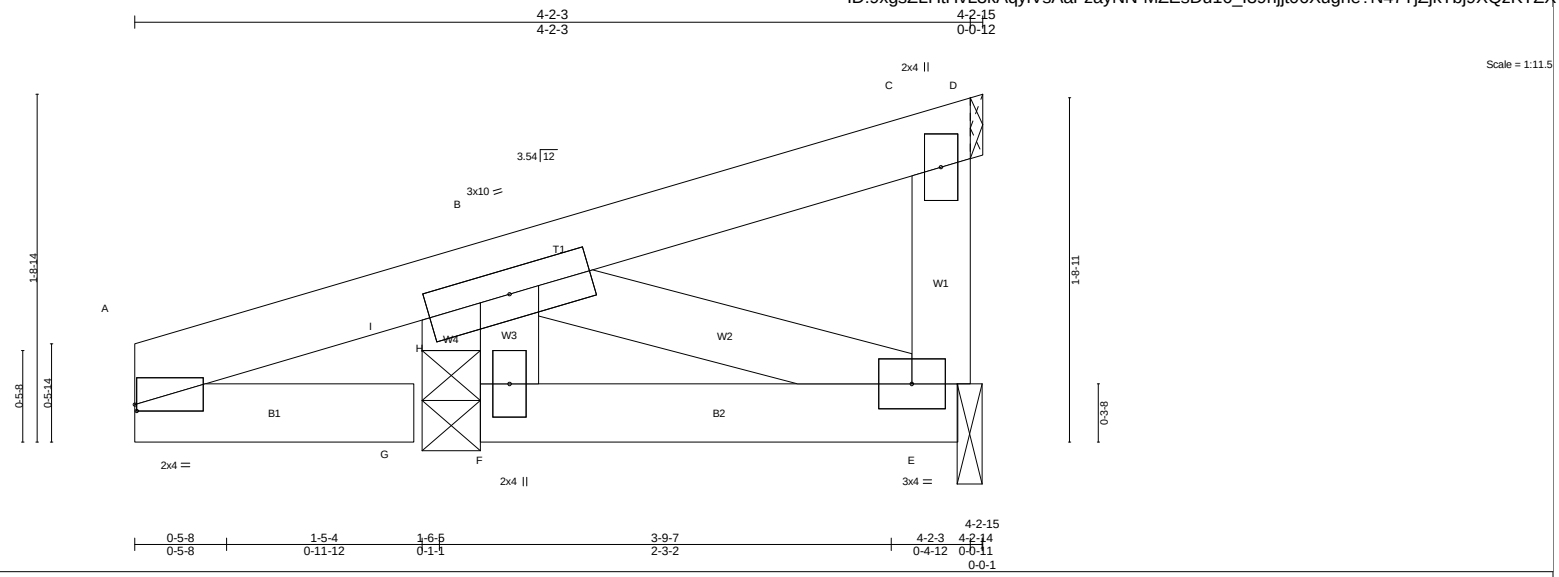


Plate Offsets (X,Y): [A:0-0-2,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.23	Vert(LL)	-0.00	E-F	>999	360	MT20	220/195
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.04	Vert(TL)	-0.00	E-F	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	E	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix)		Wind(LL)	0.00	F	>999	240	Weight: 16 lb	FT = 20%
BCDL	7.0											

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std

BRACING
TOP CHORD Sheathed or 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) E=79/0-1-8 (min. 0-1-8), I=285/0-3-8 (min. 0-1-8)
Max Horz I=60(LC 3)
Max Uplift E=-34(LC 3), I=-76(LC 3)

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

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) 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.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) E.
6) Provide metal plate or equivalent at bearing(s) E to support reaction shown.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E, I.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	M1	Jack-Open	4	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:29 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-qloEQE2klcB0ItI4Zq27C_B8_TRYS0sthFTi3szKTZW

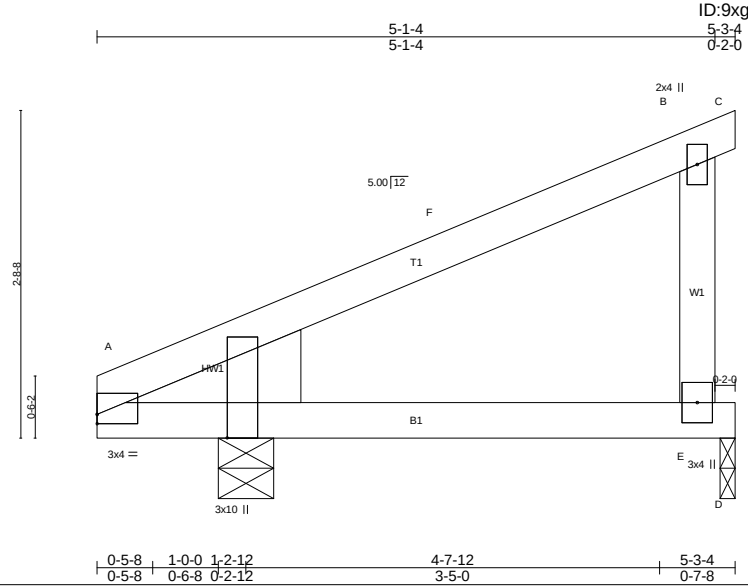


Plate Offsets (X,Y): [A:0-0-0,0-0-15], [A:0-2-5,Edge]

LOADING (psf)		**SPACING** 2-0-0	**CSI**	**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	30.0	Plates Increase 1.15	TC 0.36	Vert(LL)	-0.03	A-E	>999	360	MT20	220/195
(Roof Snow=30.0)		Lumber Increase 1.15	BC 0.18	Vert(TL)	-0.05	A-E	>999	240		
TCDL	7.0	Rep Stress Incr YES	WB 0.05	Horz(TL)	0.00		n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)	Wind(LL)	0.00	A	****	240	Weight: 22 lb	FT = 20%
BCDL	7.0									

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std
WEDGE
Left: 2x8 DF SS

BRACING
TOP CHORD Sheathed or 5-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) E=236/0-1-8 (min. 0-1-8), A=207/0-5-8 (min. 0-1-8)
Max Horz A=99(LC 7)
Max Uplift E=-90(LC 7), A=-34(LC 7)
Max Grav E=262(LC 2), A=212(LC 2)

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

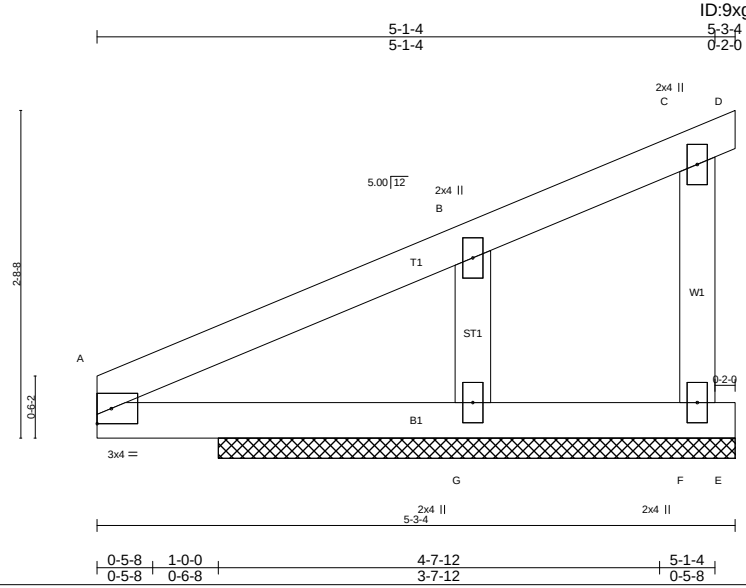
NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) E.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E, A.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	M1GE	GABLE	4	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:29 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-qloEQE2klcB0ItI4Zq27C_B8aTPdS?6thFTi3szKTZW



LOADING (psf)
TCLL 30.0
(Roof Snow=30.0)
TCDL 7.0
BCLL 0.0
BCDL 7.0

SPACING 2-0-0
Plates Increase 1.15
Lumber Increase 1.15
Rep Stress Incr YES
Code IBC2009/TPI2007

CSI
TC 0.32
BC 0.30
WB 0.10
(Matrix)

DEFL	in	(loc)	l/defl	L/d
Vert(LL)	n/a	-	n/a	999
Vert(TL)	n/a	-	n/a	999
Horz(TL)	-0.10	D	n/a	n/a

PLATES	**GRIP**
MT20	220/195

Weight: 19 lb FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std
OTHERS 2x4 DF Stud/Std

BRACING
TOP CHORD Sheathed or 5-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) D=161/4-3-4 (min. 0-1-8), E=255/4-3-4 (min. 0-1-8), G=651/4-3-4 (min. 0-1-8), F=-604/4-3-4 (min. 0-1-8)
Max Horz G=100(LC 7)
Max Uplift D=-6(LC 7), G=-98(LC 7), F=-604(LC 1)
Max Grav D=161(LC 1), E=255(LC 1), G=663(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-G=-417/134

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
4) Unbalanced snow loads have been considered for this design.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D, G except (jt=lb) F=604.
8) Non Standard bearing condition. Review required.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
14-040555	V1GE	Jack-Closed Structural Gable	4	1	Job Reference (optional)

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

Run: 7.430 s Jul 25 2013 Print: 7.430 s Jul 25 2013 MiTek Industries, Inc. Fri May 02 16:24:30 2014 Page 1
ID:9xgsZLHtHvL3kAqylVsAaFzayNN-IyMcea3MWvJtw1tG7XZMlCkIatheBTP1wvCGbIzKTZV

Scale = 1:33.3

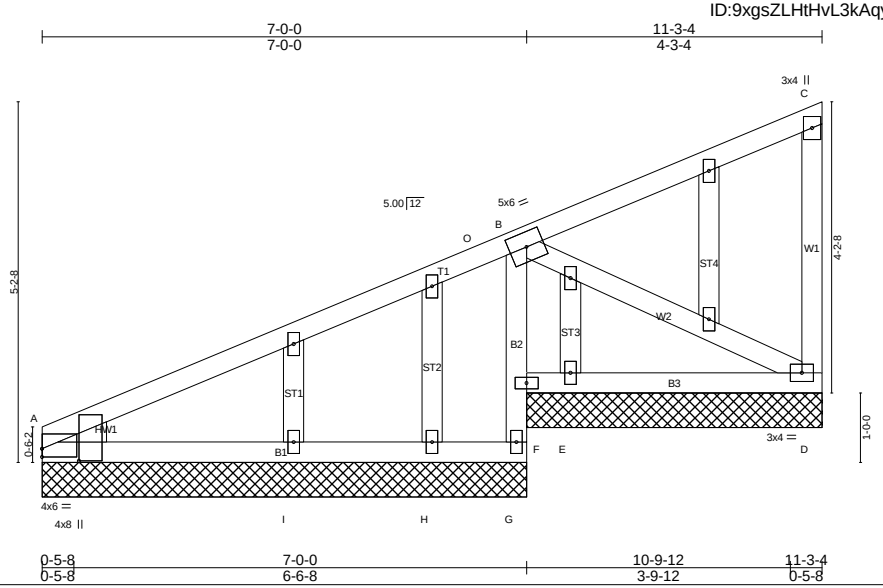


Plate Offsets (X,Y): [A:0-0-0,0-1-7], [A:0-2-1,0-6-6]

LOADING (psf)		**SPACING** 2-0-0	**CSI**	**DEFL** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL	30.0	Plates Increase 1.15	TC 0.44	Vert(LL) -0.02 A-I >999 360	MT20 220/195
(Roof Snow=30.0)		Lumber Increase 1.15	BC 0.57	Vert(TL) -0.03 A-I >999 240	
TCDL	7.0	Rep Stress Incr YES	WB 0.03	Horz(TL) -0.00 F n/a n/a	
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)	Wind(LL) 0.02 A-I >999 240	Weight: 58 lb FT = 20%
BCDL	7.0				

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E *Except*
B2: 2x4 DF Stud/Std
WEBS 2x4 DF Stud/Std
OTHERS 2x4 DF Stud/Std
WEDGE
Left: 2x4 DF Stud/Std

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

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

REACTIONS All bearings 7-0-0 except (jt=length) D=Mechanical, F=Mechanical, E=Mechanical.
(lb) - Max Horz A=202(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) D, G, H, I, E, A except F=-222(LC 7)
Max Grav All reactions 250 lb or less at joint(s) D, G, G, H, I, E, A except F=510(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD B-F=-564/253

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct= 1
4) Unbalanced snow loads have been considered for this design.
5) This truss is not designed to support a ceiling and is not intended for use where aesthetics are a consideration.
6) All plates are 2x4 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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D, G, H, I, E, A except (jt=lb) F=222.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard