Job	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FG1	FLOOR GIRDER	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:53 2018 Page 1
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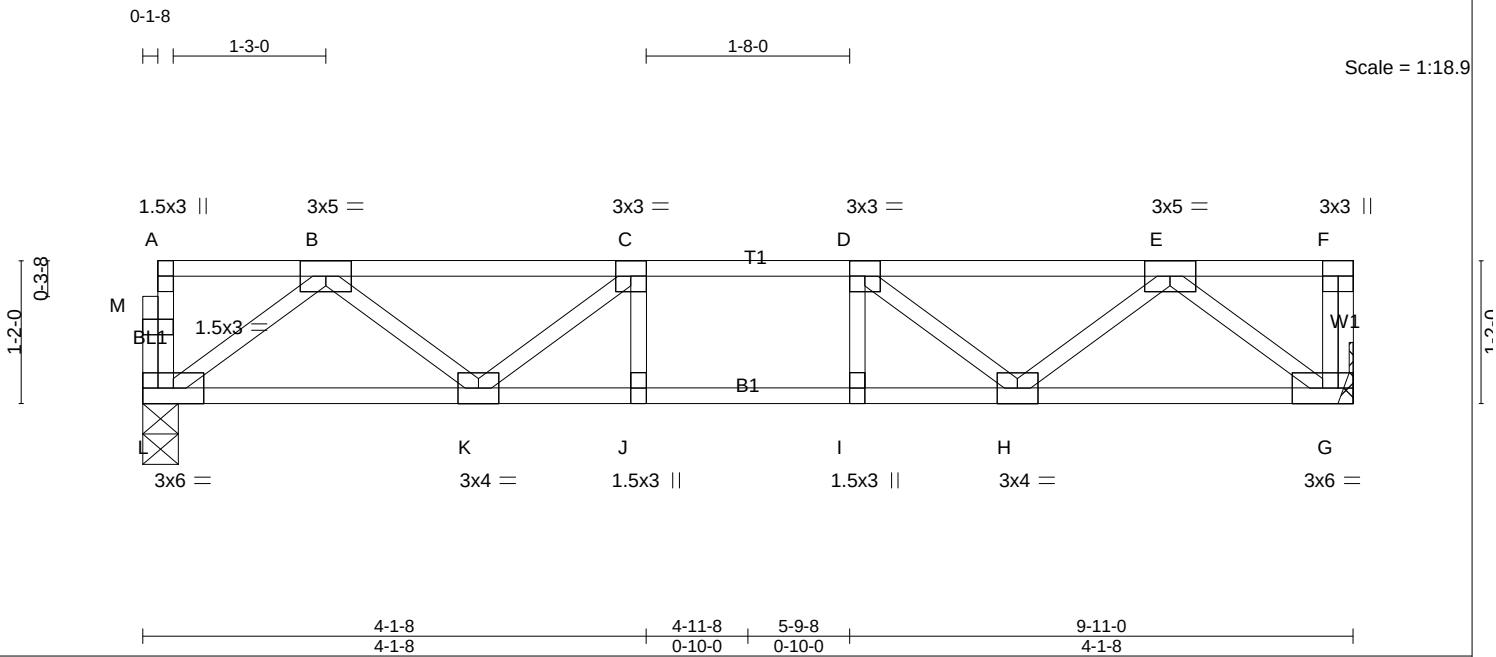


LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.09	J-K	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.94	Vert(TL)	-0.15	J-K	>792	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.46	Horz(TL)	0.04	G	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-SH							Weight: 51 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

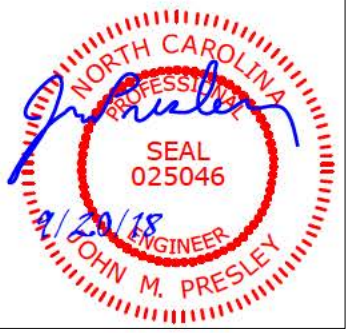
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) L=1260/0-3-8 (min. 0-1-8), G=1276/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD L-M=-80/0, A-M=-80/0, F-G=-91/0, A-B=-5/0, B-C=-2241/0, C-D=-2945/0, D-E=-2241/0, E-F=0/0
BOT CHORD K-L=0/1547, J-K=0/2945, I-J=0/2945, H-I=0/2945, G-H=0/1548
WEBS B-L=-1934/0, B-K=0/903, C-K=-965/0, C-J=-170/186, E-G=-1942/0, E-H=0/902, D-H=-964/0, D-I=-170/186

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: G-L=-8, A-F=-256



Job	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FT1	Floor	4	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:54 2018 Page 1
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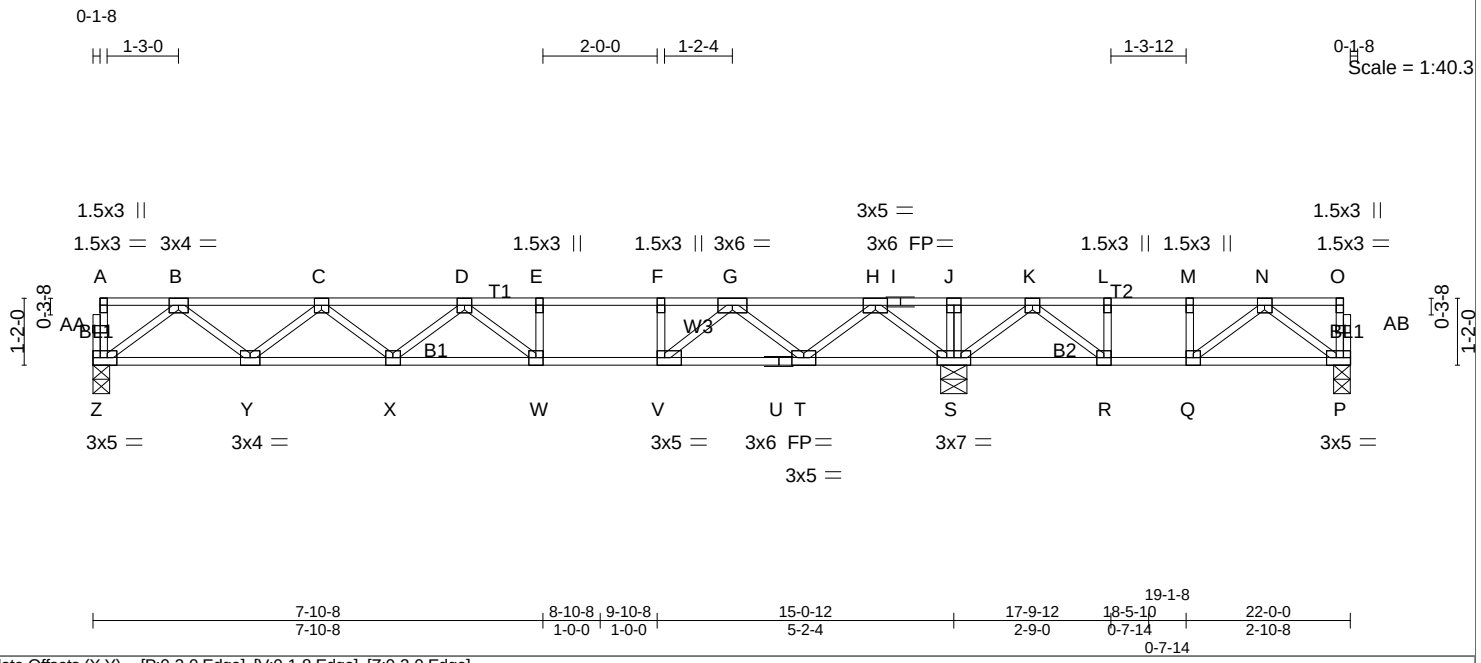


Plate Offsets (X,Y)-- [P:0-2-0,Edge], [V:0-1-8,Edge], [Z:0-2-0,Edge]

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	0.97	Vert(LL)	-0.22	W-X	>827	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.71	Vert(TL)	-0.42	W-X	>429	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.04	S	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-SH							Weight: 110 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

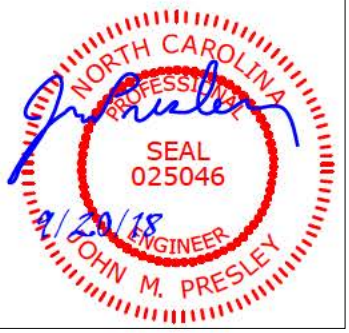
BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) Z=891/0-3-8 (min. 0-1-8), S=1646/0-5-8 (min. 0-1-8), P=276/0-3-8 (min. 0-1-8)
Max GravZ=899(LC 7), S=1646(LC 1), P=363(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Z-AA=-45/0, A-AA=-44/0, P-AB=-58/0, O-AB=-58/0, A-B=-3/0, B-C=-1807/0, C-D=-2809/0, D-E=-2784/0, E-F=-2784/0, F-G=-2784/0, G-H=-1173/0, H-I=0/1071, I-J=0/1071, J-K=0/1071, K-L=-473/208, L-M=-473/208, M-N=-473/208, N-O=-3/0
BOT CHORD Y-Z=0/1110, X-Y=0/2491, W-X=0/3018, V-W=0/2784, U-V=0/2034, T-U=0/2034, S-T=0/357, R-S=-588/103, Q-R=-208/473, P-Q=-21/380
WEBS E-W=-84/109, F-V=-485/0, J-S=-166/0, B-Z=-1389/0, B-Y=0/907, C-Y=-891/0, C-X=0/414, H-S=-1591/0, H-T=0/1076, K-S=-829/0, K-R=0/687, L-R=-333/0, N-P=-472/27, N-Q=-239/119, G-T=-1145/0, G-V=0/1086, D-X=-272/0, D-W=-441/87, M-Q=-86/100

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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



Job	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FT2	Floor	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:55 2018 Page 1
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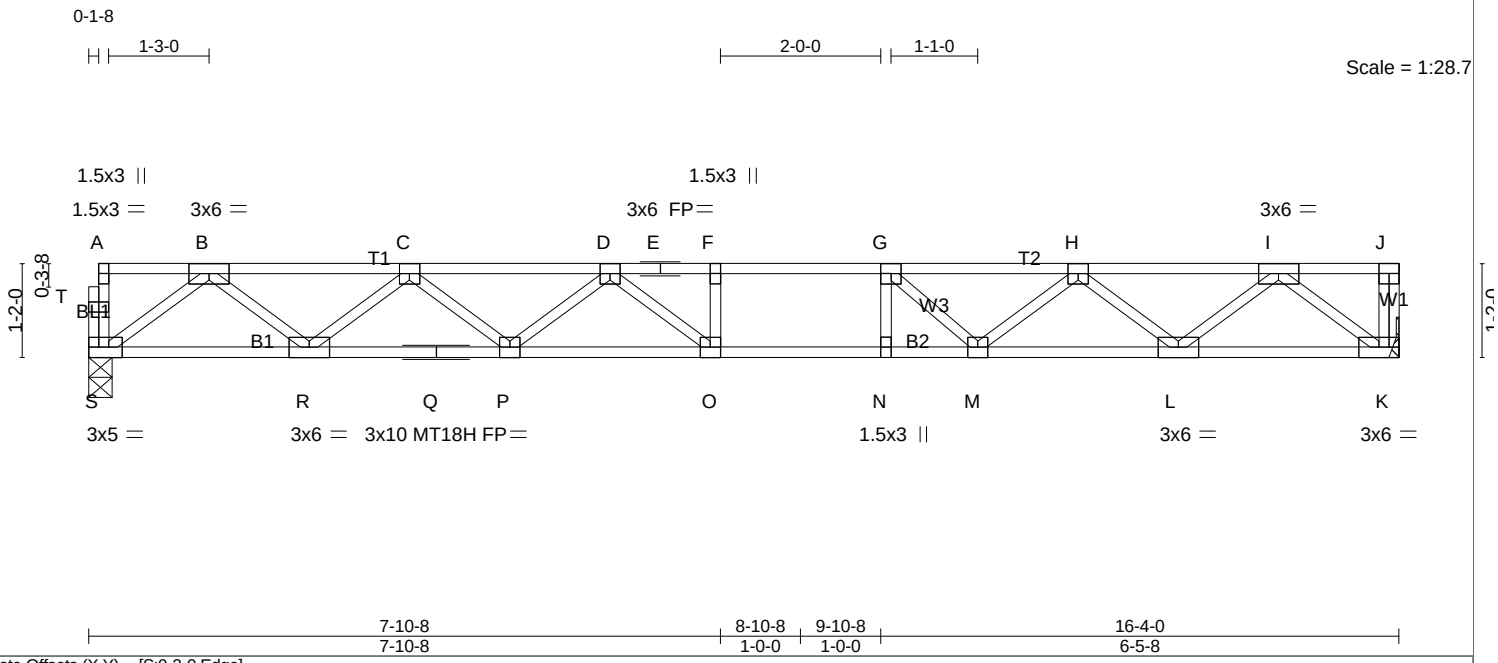


Plate Offsets (X,Y)-- [S:0-2-0,Edge]

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	0.89	Vert(LL)	-0.23	O-P	>821	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.70	Vert(TL)	-0.45	O-P	>426	360	MT18H	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.07	K	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-SH							Weight: 81 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

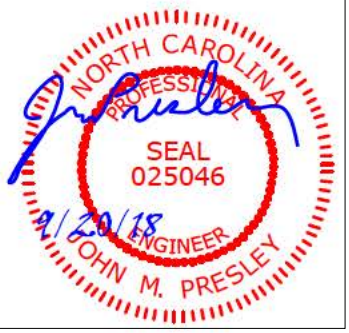
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) S=1038/0-3-8 (min. 0-1-8), K=1045/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD S-T=-46/0, A-T=-46/0, J-K=-51/0, A-B=-3/0, B-C=-2162/0, C-D=-3469/0, D-E=-3957/0, E-F=-3957/0, F-G=-3957/0, G-H=-3467/0, H-I=-2163/0, I-J=0/0
BOT CHORD R-S=0/1294, Q-R=0/3005, P-Q=0/3005, O-P=0/3873, N-O=0/3957, M-N=0/3957, L-M=0/2983, K-L=0/1301
WEBS F-O=-209/0, G-N=-70/249, B-S=-1619/0, B-R=0/1130, C-R=-1097/0, C-P=0/604, I-K=-1633/0, I-L=0/1121, H-L=-1068/0, H-M=0/679, D-P=-526/0, D-O=-166/464, G-M=-828/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x3 MT20 unless otherwise indicated.
4) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FT3	FLOOR	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:55 2018 Page 1
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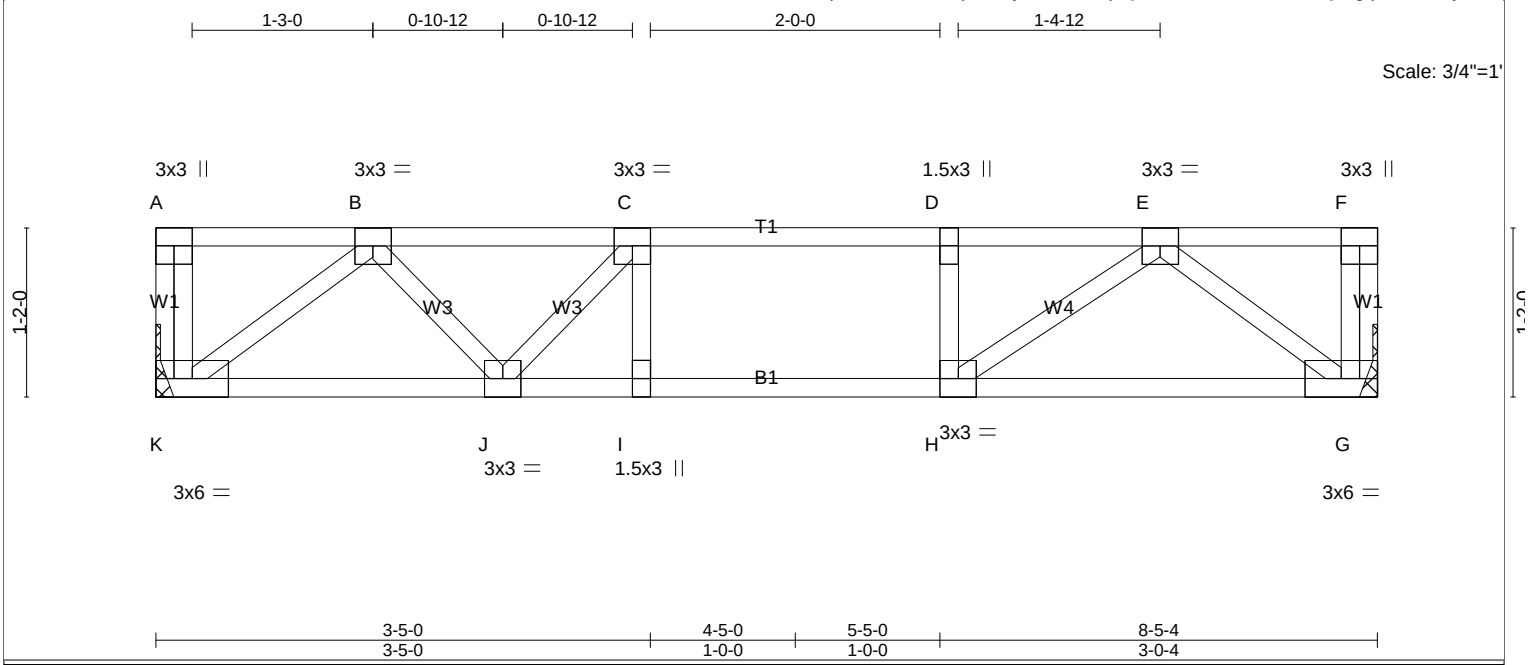


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.04	I	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.50	Vert(TL)	-0.07	I	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.01	G	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-SH							Weight: 44 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

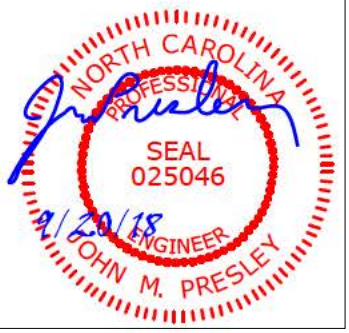
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) K=532/Mechanical, G=532/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-K=-61/0, F-G=-71/0, A-B=0/0, B-C=-820/0, C-D=-1007/0, D-E=-1007/0, E-F=0/0
BOT CHORD J-K=0/610, I-J=0/1007, H-I=0/1007, G-H=0/597
WEBS B-K=-765/0, B-J=0/327, C-J=-338/0, E-G=-749/0, E-H=0/533, C-I=-74/44, D-H=-247/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FT4	FLOOR	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

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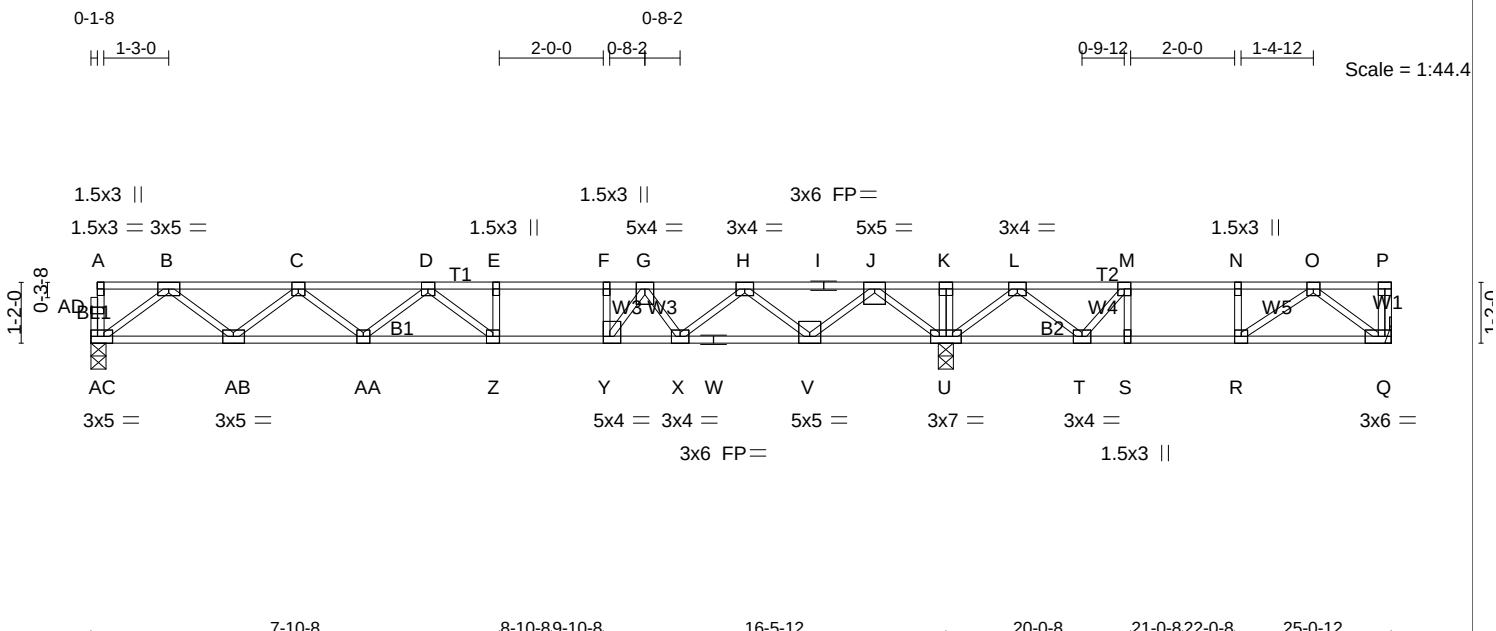


Plate Offsets (X,Y)-- [Y:0-1-8,Edge], [AC:0-2-0,Edge]

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	0.65	Vert(LL)	-0.20	Z-AA	>972	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.64	Vert(TL)	-0.39	Z-AA	>501	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.05	U	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-SH							Weight: 125 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP SS(flat)
BOT CHORD 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

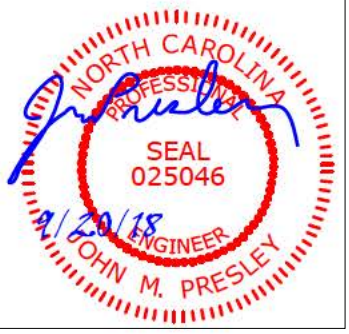
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) AC=950/0-3-8 (min. 0-1-8), U=1924/0-3-8 (min. 0-1-8), Q=345/Mechanical
Max Grav AC=966(LC 7), U=1924(LC 1), Q=445(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AC-AD=-46/0, A-AD=-45/0, P-Q=-62/0, A-B=-3/0, B-C=-1979/0, C-D=-3125/0, D-E=-3359/0, E-F=-3359/0, F-G=-3359/0, G-H=-2574/0, H-I=-1028/0, I-J=-1028/0, J-K=0/1709, K-L=0/1709, L-M=-356/607, M-N=-691/235, N-O=-691/235, O-P=0/0
BOT CHORD AB-AC=0/1198, AA-AB=0/2738, Z-AA=0/3434, Y-Z=0/3359, X-Y=0/2928, W-X=0/1984, V-W=0/1984, U-V=-280/40, T-U=-994/0, S-T=-235/691, R-S=-235/691, Q-R=-10/478
WEBS B-AC=-1500/0, B-AB=0/1016, C-AB=-989/0, C-AA=0/504, J-U=-1793/0, J-V=0/1323, H-V=-1277/0, H-X=0/799, L-U=-1042/0, L-T=0/773, D-AA=-402/0, D-Z=-340/237, G-X=-686/0, G-Y=0/994, M-T=-799/0, O-Q=-600/12, O-R=-278/261, E-Z=-138/79, F-Y=-588/0, M-S=0/258, N-R=-158/89, K-U=-175/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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



Job	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FT5	FLOOR	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

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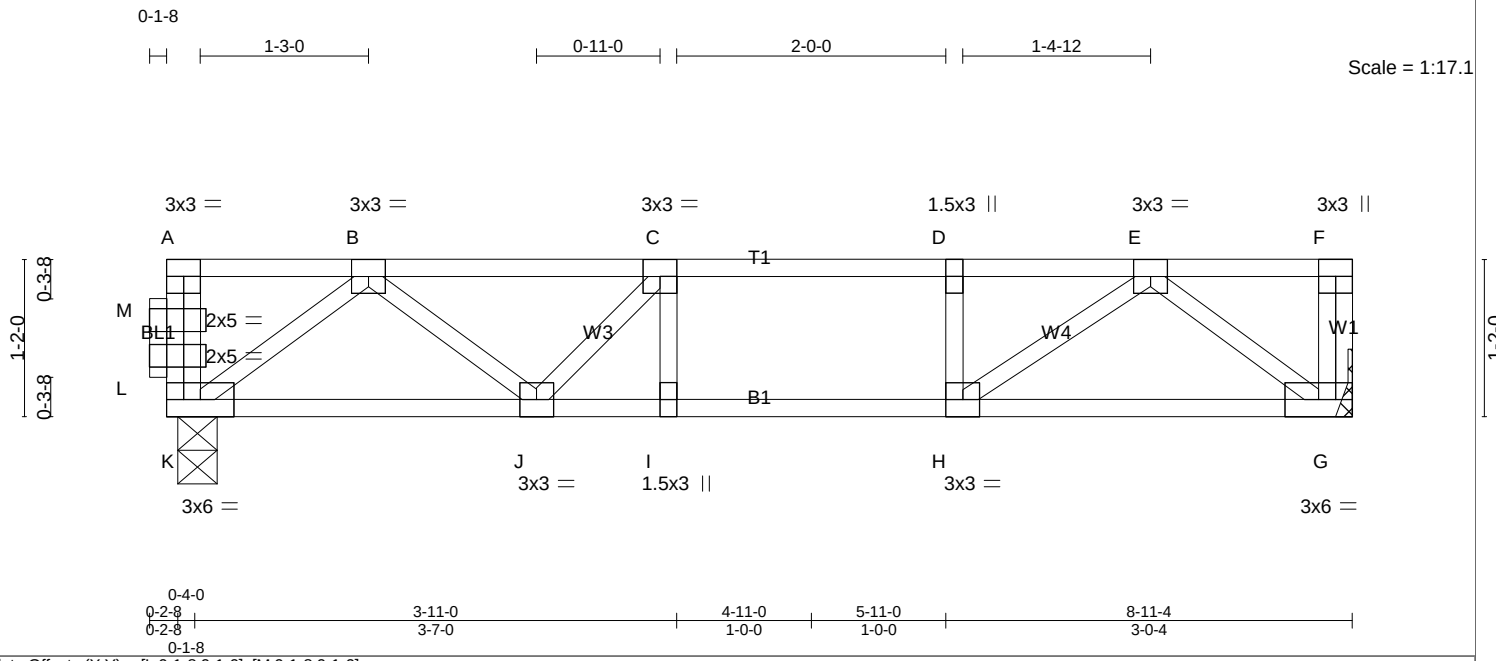


Plate Offsets (X,Y)-- [L:0-1-8,0-1-0], [M:0-1-8,0-1-0]

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	0.49	Vert(LL)	-0.06	I	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.65	Vert(TL)	-0.09	I	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.01	G	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-SH							Weight: 47 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

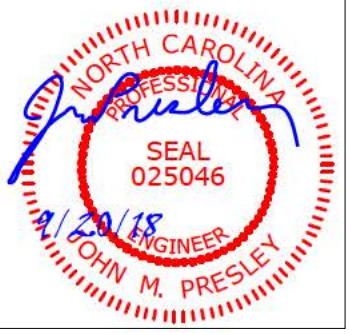
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) K=557/0-3-8 (min. 0-1-8), G=557/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD K-L=-47/0, L-M=-49/0, A-M=-47/0, F-G=-74/0, A-B=0/0, B-C=-940/0, C-D=-1099/0, D-E=-1099/0, E-F=0/0
BOT CHORD J-K=0/657, I-J=0/1099, H-I=0/1099, G-H=0/631
WEBS B-K=-824/0, B-J=0/369, C-J=-299/0, E-G=-792/0, E-H=0/599, C-I=-110/24, D-H=-268/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FT6	Floor	4	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:57 2018 Page 1
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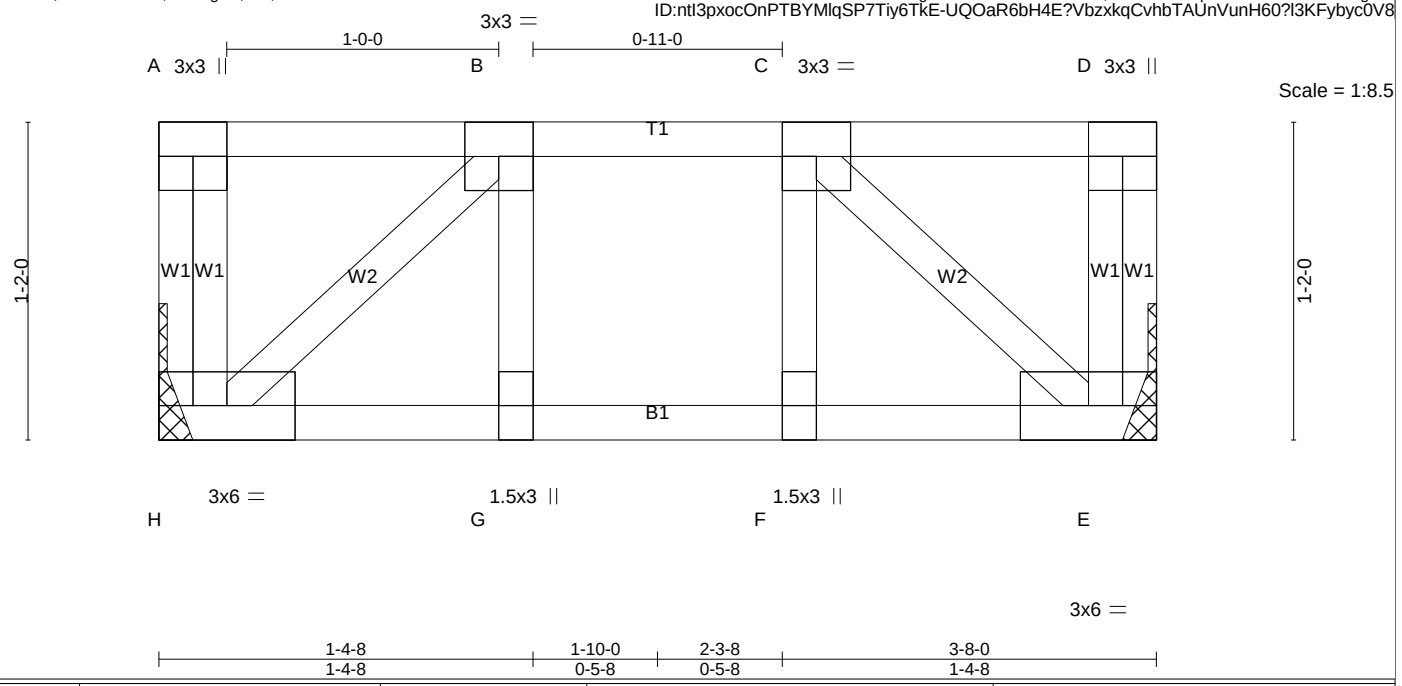

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.10	Vert(LL) -0.00 G >999 480	MT20 244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.08	Vert(TL) -0.00 G >999 360	
BCLL 0.0	Rep Stress Incr YES	WB 0.06	Horz(TL) 0.00 E n/a n/a	
BCDL 5.0	Code IRC2009/TPI2007	Matrix-SH		Weight: 23 lb FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) H=222/Mechanical, E=222/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-H=-63/0, D-E=-63/0, A-B=0/0, B-C=-179/0, C-D=0/0
BOT CHORD G-H=0/179, F-G=0/179, E-F=0/179
WEBS C-E=-238/0, C-F=-7/30, B-H=-238/0, B-G=-7/30

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FT7	FLOOR	7	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:58 2018 Page 1
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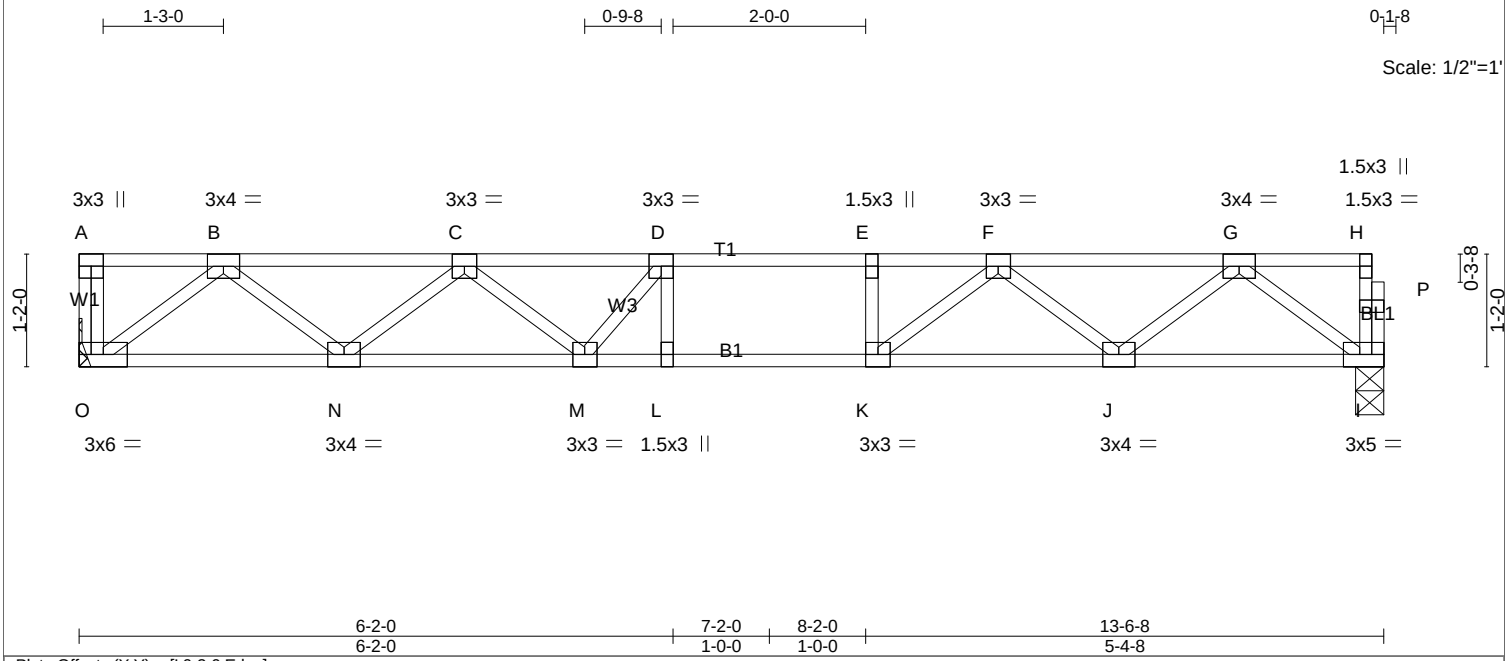


Plate Offsets (X,Y)-- [I:0-2-0,Edge]

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	0.62	Vert(LL)	-0.13	L	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.84	Vert(TL)	-0.24	L	>662	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.04	I	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-SH							Weight: 68 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

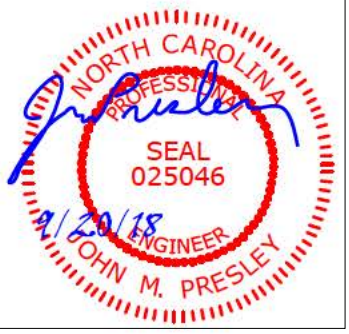
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) O=864/Mechanical, I=856/0-3-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-O=-51/0, I-P=-41/0, H-P=-41/0, A-B=0/0, B-C=-1707/0, C-D=-2580/0, D-E=-2697/0, E-F=-2697/0, F-G=-1695/0, G-H=-2/0
BOT CHORD N-O=0/1059, M-N=0/2325, L-M=0/2697, K-L=0/2697, J-K=0/2313, I-J=0/1062
WEBS D-L=-185/92, E-K=-285/0, B-O=-1329/0, B-N=0/844, C-N=-803/0, C-M=0/431, G-I=-1329/0, G-J=0/824, D-M=-403/38, F-J=-805/0, F-K=0/670

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	FT8	Floor	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:58 2018 Page 1
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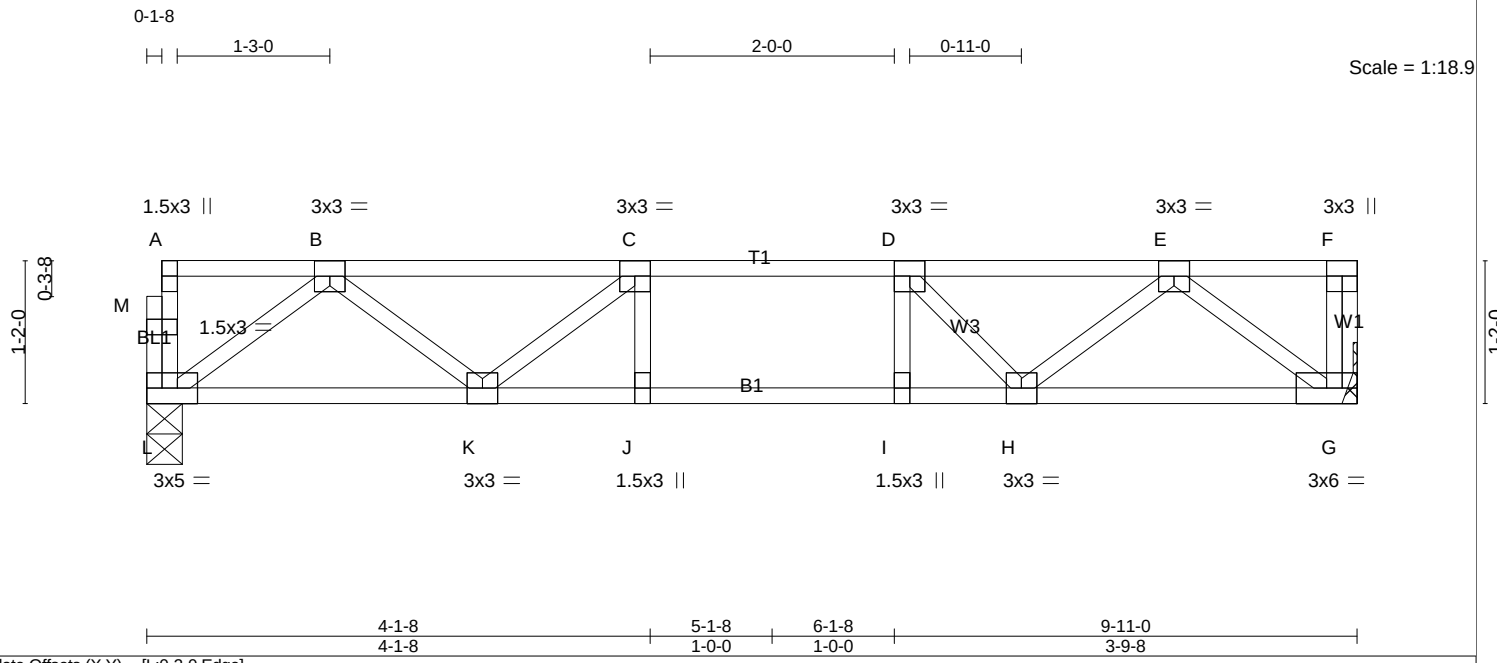


Plate Offsets (X,Y)-- [L:0-2-0,Edge]

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	0.39	Vert(LL)	-0.06	J-K	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.69	Vert(TL)	-0.10	J	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.02	G	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-SH							Weight: 51 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

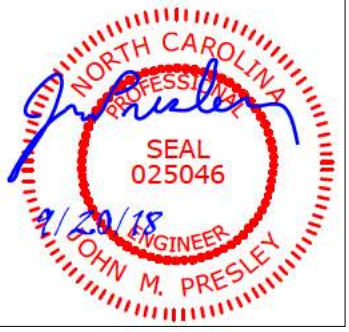
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) L=621/0-3-8 (min. 0-1-8), G=628/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD L-M=-37/0, A-M=-37/0, F-G=-56/0, A-B=-2/0, B-C=-1111/0, C-D=-1431/0, D-E=-1127/0, E-F=0/0
BOT CHORD K-L=0/758, J-K=0/1431, I-J=0/1431, H-I=0/1431, G-H=0/738
WEBS C-J=-90/72, D-I=-58/134, B-L=-949/0, B-K=0/459, E-G=-925/0, E-H=0/507, C-K=-451/0, D-H=-491/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	KW1	Floor Supported Gable	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

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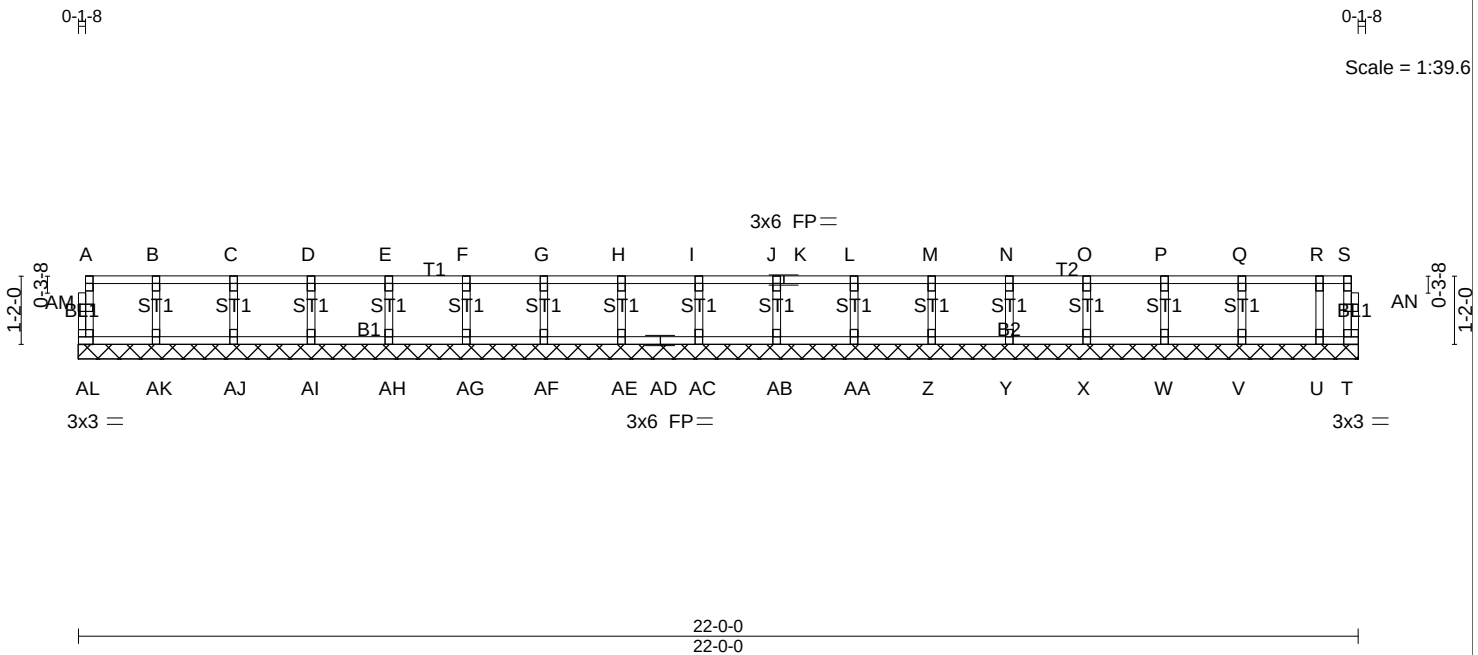


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	T	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-R							Weight: 92 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

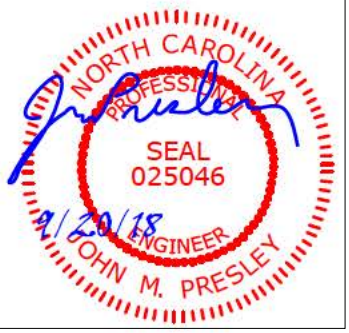
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) AL=61/22-0-0 (min. 0-1-8), T=18/22-0-0 (min. 0-1-8), AK=175/22-0-0 (min. 0-1-8), AJ=173/22-0-0 (min. 0-1-8), AI=173/22-0-0 (min. 0-1-8), AH=173/22-0-0 (min. 0-1-8), AG=173/22-0-0 (min. 0-1-8), AF=173/22-0-0 (min. 0-1-8), AE=174/22-0-0 (min. 0-1-8), AC=172/22-0-0 (min. 0-1-8), AB=177/22-0-0 (min. 0-1-8), AA=177/22-0-0 (min. 0-1-8), Z=173/22-0-0 (min. 0-1-8), Y=173/22-0-0 (min. 0-1-8), X=174/22-0-0 (min. 0-1-8), W=171/22-0-0 (min. 0-1-8), V=181/22-0-0 (min. 0-1-8), U=126/22-0-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AL-AM=-58/0, A-AM=-58/0, T-AN=-9/0, S-AN=-9/0, A-B=-7/0, B-C=-7/0, C-D=-7/0, D-E=-7/0, E-F=-7/0, F-G=-7/0, G-H=-7/0, H-I=-7/0, I-J=-7/0, J-K=-7/0, K-L=-7/0, L-M=-7/0, M-N=-7/0, N-O=-7/0, O-P=-7/0, P-Q=-7/0, Q-R=-7/0, R-S=-7/0
BOT CHORD AK-AL=0/7, AJ-AK=0/7, AI-AJ=0/7, AH-AI=0/7, AG-AH=0/7, AF-AG=0/7, AE-AF=0/7, AD-AE=0/7, AC-AD=0/7, AB-AC=0/7, AA-AB=0/7, Z-AA=0/7, Y-Z=0/7, X-Y=0/7, W-X=0/7, V-W=0/7, U-V=0/7, T-U=0/7
WEBS B-AK=-159/0, C-AJ=-161/0, D-AI=-160/0, E-AH=-160/0, F-AG=-160/0, G-AF=-160/0, H-AE=-160/0, I-AC=-159/0, J-AB=-163/0, L-AA=-163/0, M-Z=-159/0, N-Y=-160/0, O-X=-160/0, P-W=-158/0, Q-V=-166/0, R-U=-124/0

NOTES-
1) All plates are 1.5x3 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 1-4-0 oc.
5) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	KW2	Floor Supported Gable	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:59 2018 Page 1
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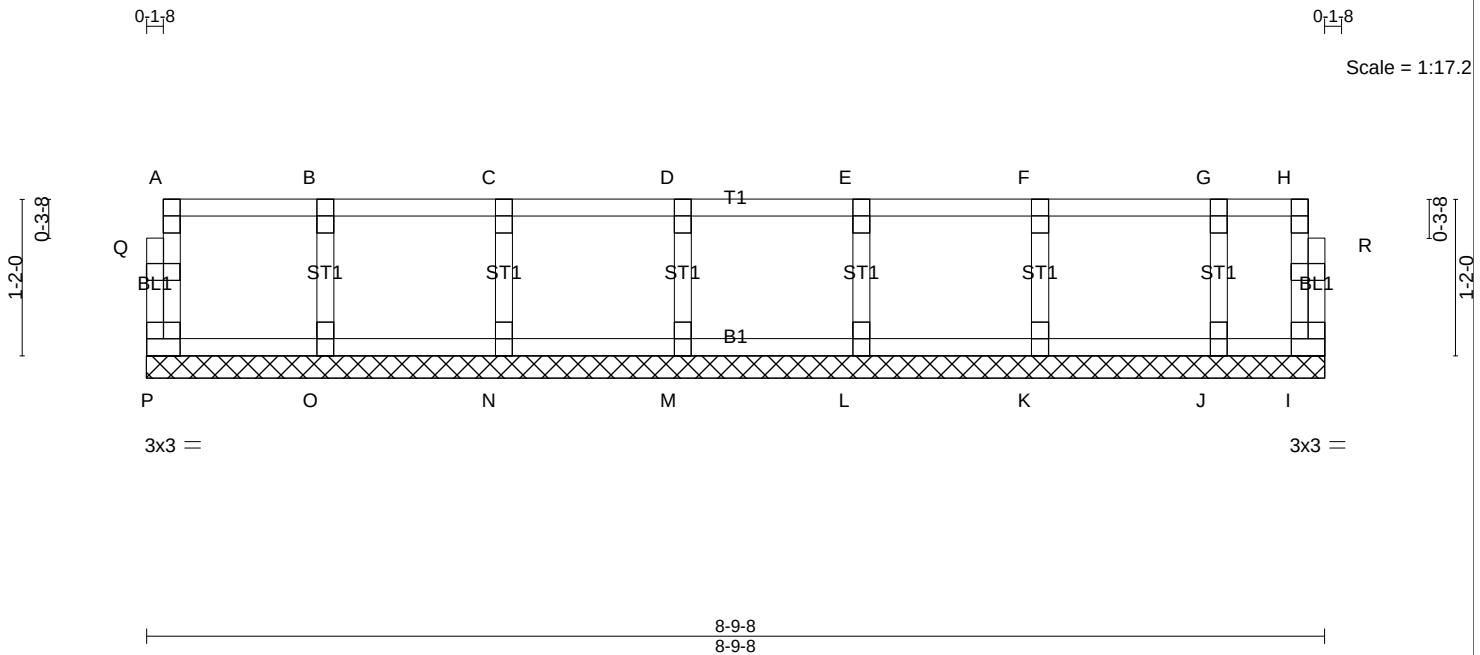


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	I	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-R							Weight: 39 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

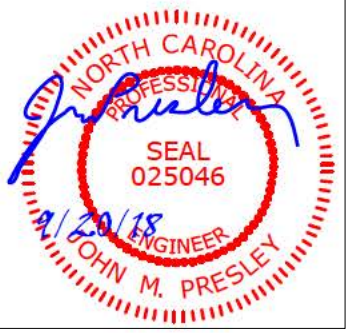
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) P=62/8-9-8 (min. 0-1-8), I=29/8-9-8 (min. 0-1-8), O=174/8-9-8 (min. 0-1-8), N=173/8-9-8 (min. 0-1-8), M=174/8-9-8 (min. 0-1-8), L=171/8-9-8 (min. 0-1-8), K=181/8-9-8 (min. 0-1-8), J=131/8-9-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD P-Q=-59/0, A-Q=-58/0, I-R=-21/0, H-R=-21/0, A-B=-8/0, B-C=-8/0, C-D=-8/0, D-E=-8/0, E-F=-8/0, F-G=-8/0, G-H=-8/0
BOT CHORD O-P=0/8, N-O=0/8, M-N=0/8, L-M=0/8, K-L=0/8, J-K=0/8, I-J=0/8
WEBS B-O=-159/0, C-N=-161/0, D-M=-160/0, E-L=-158/0, F-K=-166/0, G-J=-127/0

NOTES-
1) All plates are 1.5x3 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 1-4-0 oc.
5) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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	Truss	Truss Type	Qty	Ply	MCKEE/ BILTMORE CLASSIC FLOOR
68043892	KW3	Floor Supported Gable	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 17:05:59 2018 Page 1
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0-1-8

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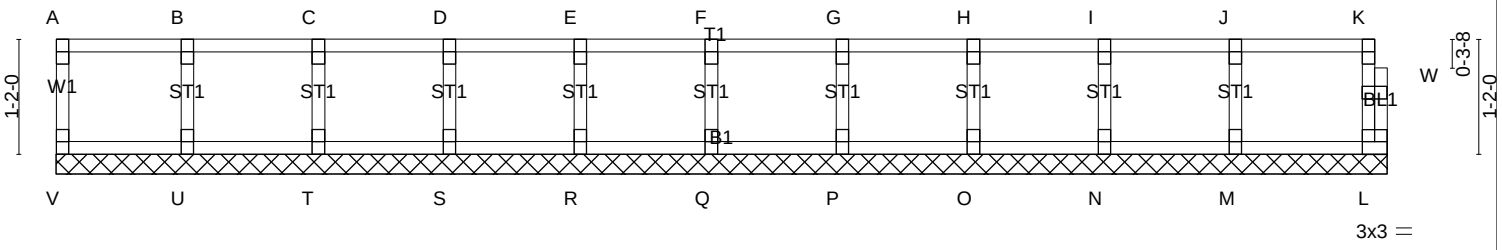

13-6-8
13-6-8

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	L	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-R							Weight: 56 lb	FT = 4%F, 1%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(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) V=79/13-6-8 (min. 0-1-8), L=79/13-6-8 (min. 0-1-8), U=173/13-6-8 (min. 0-1-8), T=174/13-6-8 (min. 0-1-8), S=173/13-6-8 (min. 0-1-8), R=173/13-6-8 (min. 0-1-8), Q=173/13-6-8 (min. 0-1-8), P=173/13-6-8 (min. 0-1-8), O=174/13-6-8 (min. 0-1-8), N=170/13-6-8 (min. 0-1-8), M=187/13-6-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-V=-70/0, L-W=-75/0, K-W=-74/0, A-B=-14/0, B-C=-14/0, C-D=-14/0, D-E=-14/0, E-F=-14/0, F-G=-14/0, G-H=-14/0, H-I=-14/0, I-J=-14/0, J-K=-14/0
BOT CHORD U-V=0/14, T-U=0/14, S-T=0/14, R-S=0/14, Q-R=0/14, P-Q=0/14, O-P=0/14, N-O=0/14, M-N=0/14, L-M=0/14
WEBS B-U=-163/0, C-T=-159/0, D-S=-160/0, E-R=-160/0, F-Q=-160/0, G-P=-160/0, H-O=-161/0, I-N=-157/0, J-M=-171/0

NOTES-
1) All plates are 1.5x3 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 1-4-0 oc.
5) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard