Job	Truss	Truss Type	Qty	Ply	MCKEE/ THE CLARK II FLOOR
69018828	FG1	FLOOR GIRDER	1	1	Job Reference (optional)

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

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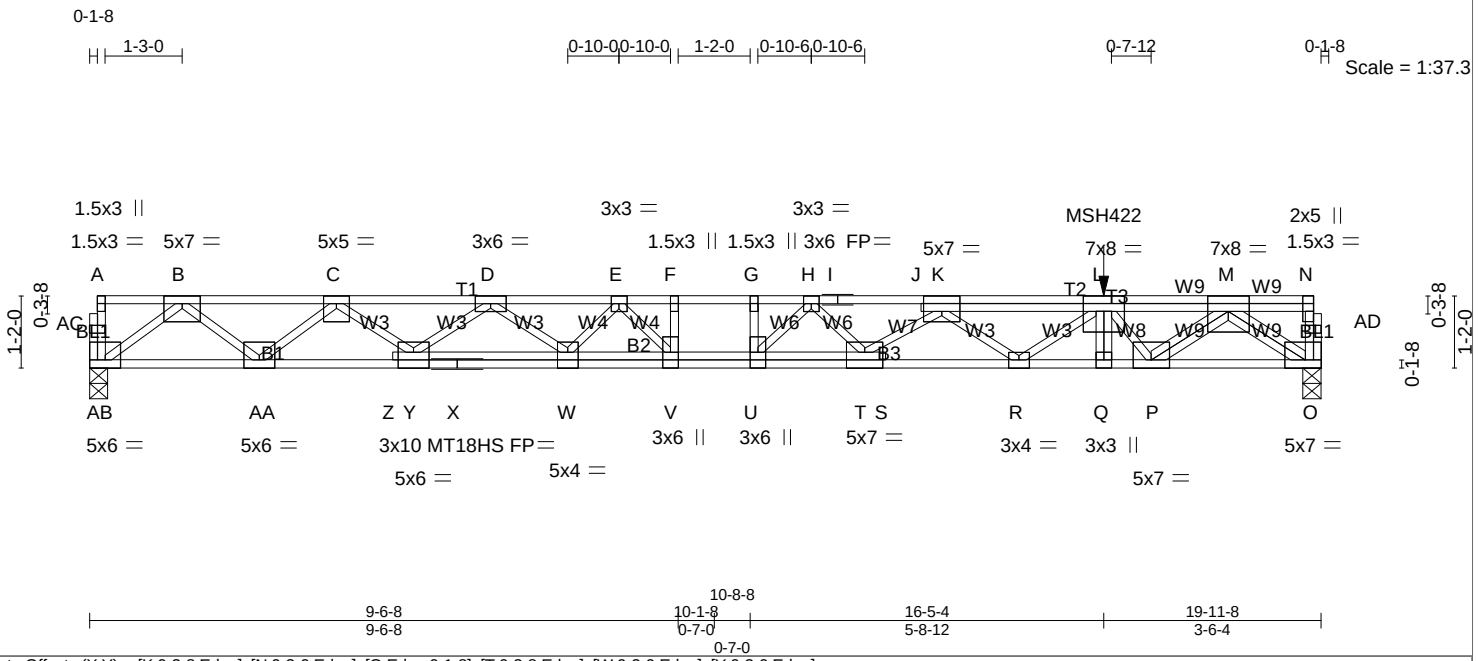

Plate Offsets (X,Y)-- [K:0-3-8,Edge], [N:0-3-0,Edge], [O:Edge,0-1-8], [T:0-3-8,Edge], [W:0-2-0,Edge], [Y:0-3-0,Edge]

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	0.91	Vert(LL)	-0.40	U	>597	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.65	U	>366	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.10	O	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 127 lb	FT = 20%F, 12%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 3-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) AB=1354/0-3-8 (min. 0-1-8), O=1659/0-3-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AB-AC=-46/0, A-AC=-46/0, O-AD=-93/0, N-AD=-93/0, A-B=-3/0, B-C=-2943/0, C-D=-5124/0, D-E=-6676/0, E-F=-7191/0, F-G=-7191/0, G-H=-7191/0, H-I=-6684/0, I-J=-6684/0, J-K=-6610/0, K-L=-5737/0, L-M=-3884/0, M-N=-6/0
BOT CHORD AA-AB=0/1704, Z-AA=0/4191, Y-Z=0/4126, X-Y=0/6083, W-X=0/6083, V-W=0/6994, U-V=0/7191, T-U=0/6971, S-T=0/6262, R-S=0/6361, Q-R=0/5101, P-Q=0/5101, O-P=0/2189
WEBS F-V=-224/0, G-U=-147/0, L-Q=-5/1, B-AB=-2134/0, B-AA=0/1613, C-AA=-1624/0, C-Y=0/1185, D-Y=-1219/0, D-W=0/753, E-W=-617/0, E-V=-28/650, L-R=0/785, K-R=-792/0, K-T=0/415, H-T=-457/0, H-U=-82/533, M-P=0/2208, L-P=-1837/0, M-O=-2679/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) 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.
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.
6) Use USP MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 16-5-4 from the left end to connect truss(es) FG2 (1 ply 2x4 SP) to back face of top chord.
7) Fill all nail holes where hanger is in contact with lumber.
8) 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: O-AB=-10, A-N=-120
Concentrated Loads (lb)
Vert: L=-466(B)

Job	Truss	Truss Type	Qty	Ply	MCKEE/ THE CLARK II FLOOR
69018828	FG2	Floor Girder	1	1	Job Reference (optional)

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

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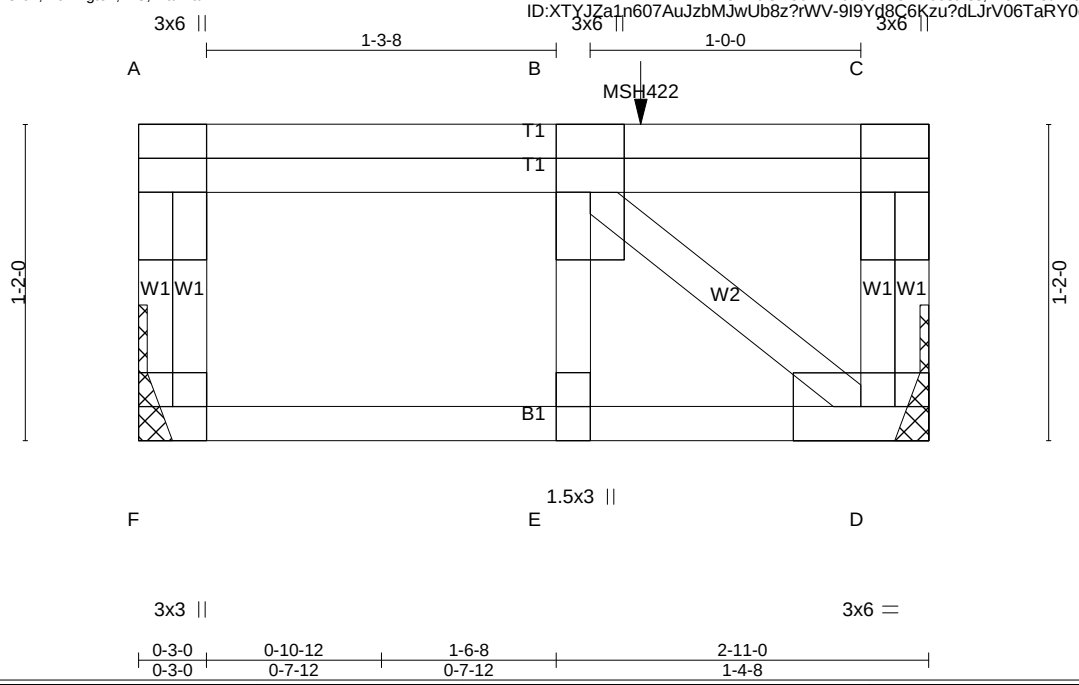

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.97	Vert(LL)	-0.05	E	>608	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.09	E	>371	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.04	Horz(CT)	-0.00	D	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 21 lb	FT = 20%F, 12%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) F=586/Mechanical, D=687/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-F=-502/0, C-D=-585/0, A-B=0/0, B-C=0/0
BOT CHORD E-F=-0/0, D-E=-0/0
WEBS B-D=0/0, B-E=-160/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) 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.
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) Use USP MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 1-10-4 from the left end to connect truss(es) FT14 (1 ply 2x4 SP) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.
6) 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: D-F=-10, A-C=-120
Concentrated Loads (lb)
Vert: B=-926(B)

Job	Truss	Truss Type	Qty	Ply	MCKEE/ THE CLARK II FLOOR
69018828	FT1	Floor	8	1	Job Reference (optional)

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

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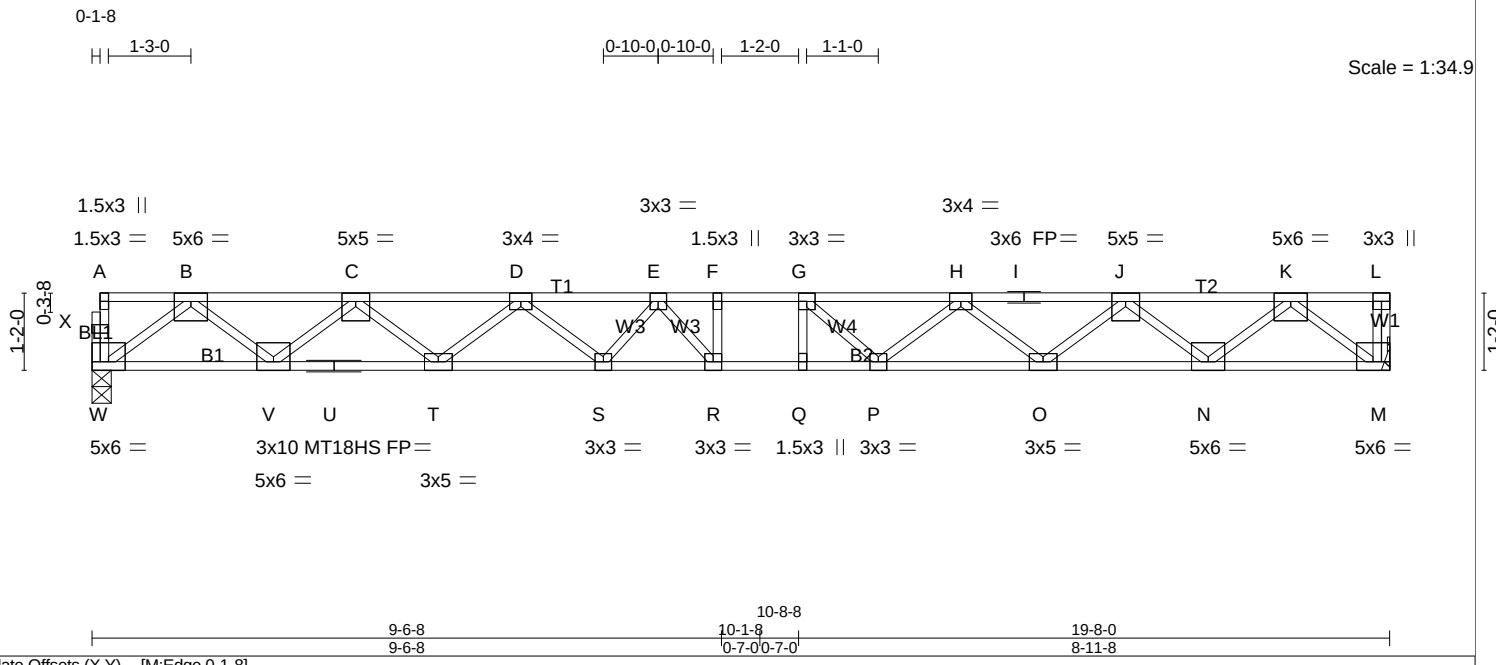

Plate Offsets (X,Y)-- [M:Edge,0-1-8]

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	0.76	Vert(LL)	-0.39	R	>597	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.63	R	>367	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.10	M	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 100 lb	FT = 20%F, 12%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 or 4-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) W=1255/0-3-8 (min. 0-1-8), M=1262/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD W-X=-46/0, A-X=-46/0, L-M=-50/0, A-B=-3/0, B-C=-2707/0, C-D=-4521/0, D-E=-5565/0, E-F=-5843/0, F-G=-5843/0, G-H=-5554/0, H-I=-4523/0, I-J=-4523/0, J-K=-2707/0, K-L=0/0
BOT CHORD V-W=0/1580, U-V=0/3802, T-U=0/3802, S-T=0/5212, R-S=0/5782, Q-R=0/5843, P-Q=0/5843, O-P=0/5218, N-O=0/3800, M-N=0/1581
WEBS F-R=-210/73, G-Q=-152/179, B-W=-1978/0, B-V=0/1468, C-V=-1425/0, C-T=0/936, D-T=-899/0, D-S=0/493, E-S=-435/0, E-R=-266/472, K-M=-1984/0, K-N=0/1466, J-N=-1423/0, J-O=0/942, H-O=-904/0, H-P=0/575, G-P=-630/11

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) 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.
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/ THE CLARK II FLOOR
69018828	FT2	FLOOR	6	1	Job Reference (optional)

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

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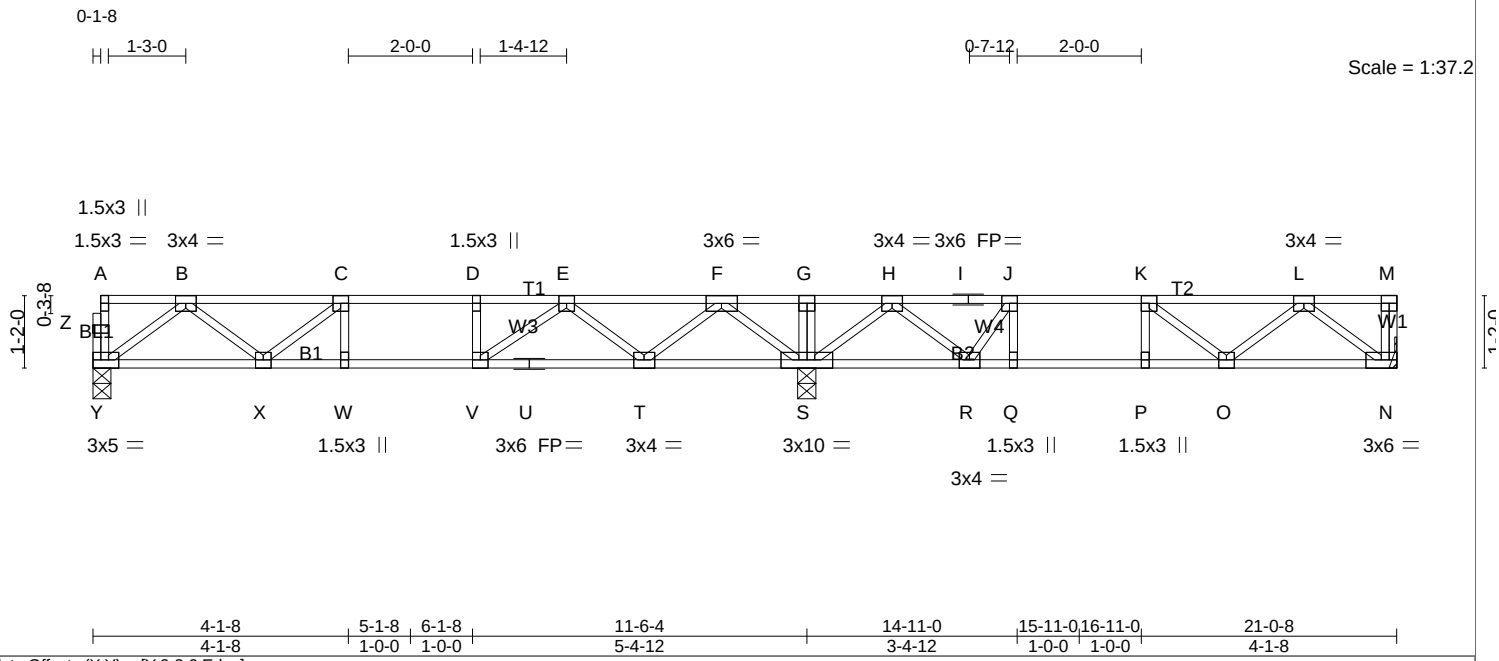

Plate Offsets (X,Y)-- [Y:0-2-0,Edge]

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	0.55	Vert(LL)	-0.08	O-P	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.12	O-P	>974	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 105 lb	FT = 20%F, 12%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, Except:
6-0-0 oc bracing: S-T,R-S
2-2-0 oc bracing: P-Q.

REACTIONS. (lb/size) Y=655/0-3-8 (min. 0-1-8), S=1524/0-3-8 (min. 0-1-8), N=516/Mechanical
Max Grav Y=673(LC 10), S=1524(LC 1), N=563(LC 4)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Y-Z=-43/0, A-Z=-43/0, M-N=-36/0, A-B=-3/0, B-C=-1247/0, C-D=-1675/0, D-E=-1675/0, E-F=-892/0, F-G=0/973, G-H=0/973, H-I=-793/106, I-J=-793/106, J-K=-1120/0, K-L=-945/0, L-M=0/0
BOT CHORD X-Y=0/818, W-X=0/1675, V-W=0/1675, U-V=0/1423, T-U=0/1423, S-T=-38/331, R-S=-390/327, Q-R=0/1120, P-Q=0/1120, O-P=0/1120, N-O=0/684
WEBS C-W=-59/67, D-V=-206/0, J-Q=0/304, K-P=-183/0, G-S=-160/0, B-Y=-1023/0, B-X=0/558, C-X=-546/0, F-S=-1245/0, F-T=0/776, E-T=-750/0, E-V=0/484, H-S=-995/0, H-R=0/723, L-N=-858/0, L-O=0/339, K-O=-223/104, J-R=-746/0

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 2015 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/ THE CLARK II FLOOR
69018828	FT3	Floor	2	1	Job Reference (optional)

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

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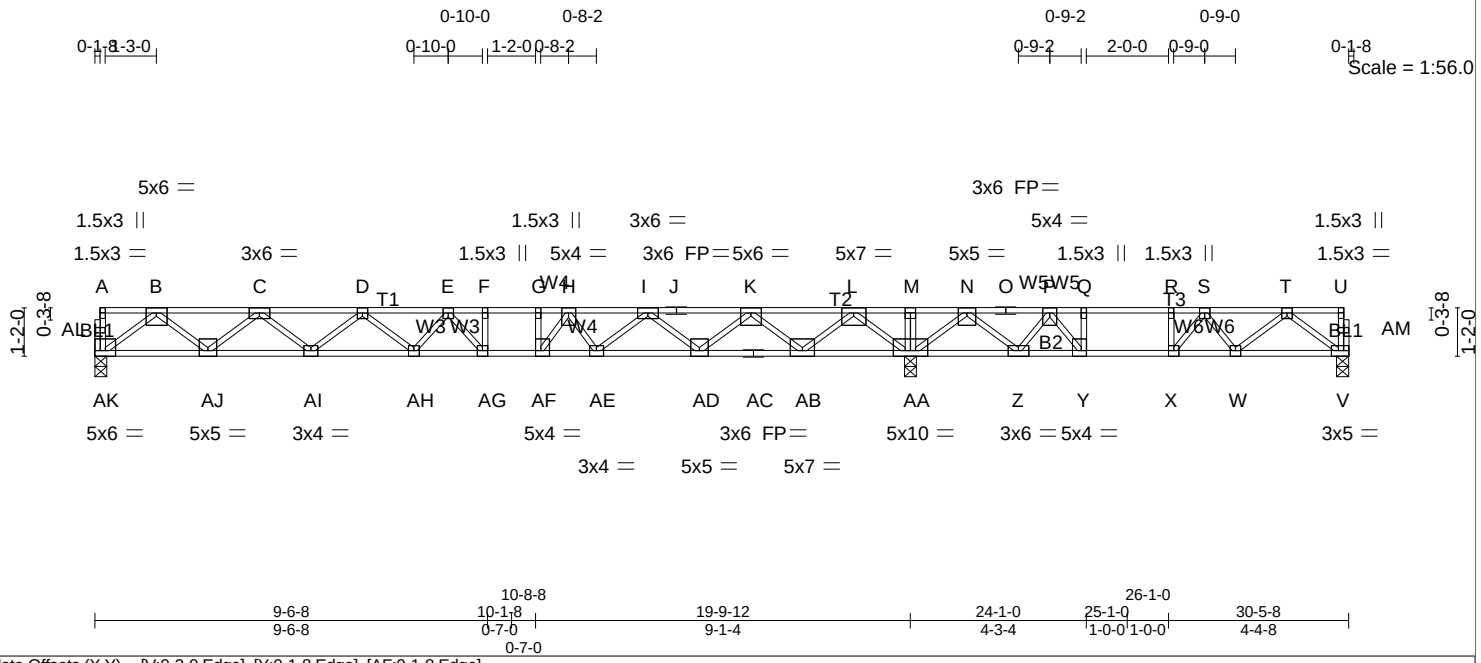

Plate Offsets (X,Y)-- [V:0-2-0,Edge], [Y:0-1-8,Edge], [AF:0-1-8,Edge]

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	0.78	Vert(LL)	-0.30	AG-AH	>789	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.48	AG-AH	>494	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.06	AA	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 154 lb	FT = 20%F, 12%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) V=348/0-3-8 (min. 0-1-8), AK=1097/0-3-8 (min. 0-1-8), AA=2468/0-3-8 (min. 0-1-8)
Max UpliftV=-41(LC 3)
Max GravV=523(LC 4), AK=1111(LC 3), AA=2468(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AK-AL=-46/0, A-AL=-46/0, V-AM=-59/0, U-AM=-59/0, A-B=-3/0, B-C=-2348/0, C-D=-3815/0, D-E=-4532/0, E-F=-4464/0, F-G=-4464/0, G-H=-4464/0, H-I=-3824/0, I-J=-2369/0, J-K=-2369/0, K-L=-117/412, L-M=0/3326, M-N=0/3326, N-O=-85/1828, O-P=-85/1828, P-Q=-913/866, Q-R=-913/866, R-S=-913/866, S-T=-901/227, T-U=-4/0
BOT CHORD AJ-AK=0/1391, AI-AJ=0/3270, AH-AI=0/4339, AG-AH=0/4614, AF-AG=0/4464, AE-AF=0/4146, AD-AE=0/3265, AC-AD=0/1432, AB-AC=0/1432, AA-AB=-1530/0, Z-AA=-2331/0, Y-Z=-1447/492, X-Y=-866/913, W-X=-412/1016, V-W=-85/611
WEBS F-AG=-114/218, G-AF=-464/0, Q-Y=-697/0, R-X=0/366, M-AA=-147/0, B-AK=-1742/0, B-AJ=0/1246, C-AJ=-1200/0, C-AI=0/709, D-AI=-682/0, D-AH=0/313, E-AH=-232/60, E-AG=-513/181, L-AA=-2254/0, L-AB=0/1759, K-AB=-1741/0, K-AD=0/1248, I-AD=-1194/0, I-AE=0/754, H-AE=-625/0, N-AA=-1497/0, N-Z=0/1045, P-Z=-970/0, T-V=-762/108, T-W=-186/377, S-W=-198/316, H-AF=0/830, P-Y=0/1274, S-X=-769/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint V.
4) 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.
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/ THE CLARK II FLOOR
69018828	FT4	Floor	2	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 14:28:39 2019 Page 1
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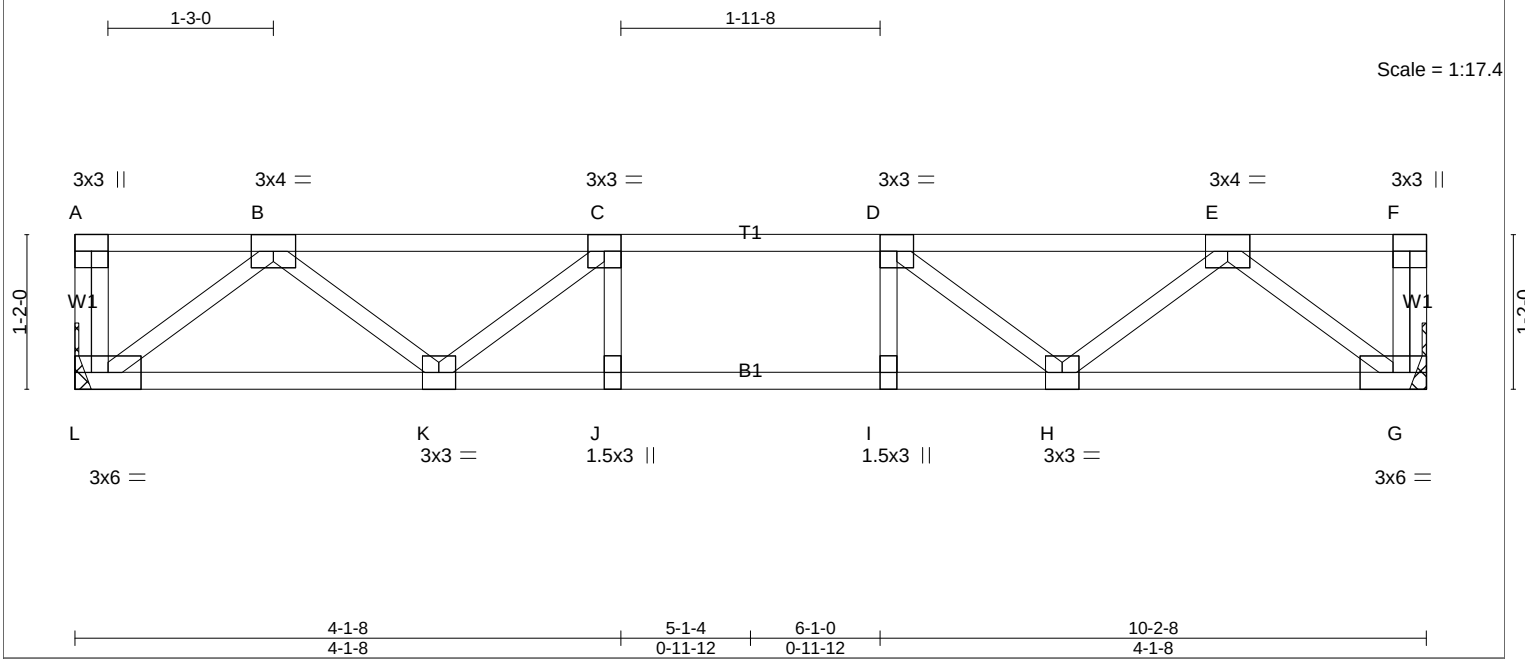

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.06	J-K	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.08	J	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.02	G	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 52 lb	FT = 20%F, 12%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=647/Mechanical, G=647/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-L=-44/0, F-G=-44/0, A-B=0/0, B-C=-1159/0, C-D=-1526/0, D-E=-1159/0, E-F=0/0
BOT CHORD K-L=0/780, J-K=0/1526, I-J=0/1526, H-I=0/1526, G-H=0/780
WEBS C-J=-74/101, D-I=-74/101, B-L=-979/0, B-K=0/493, C-K=-507/0, E-G=-979/0, E-H=0/493, D-H=-507/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) 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.
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/ THE CLARK II FLOOR
69018828	FT5	Floor	2	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 14:28:40 2019 Page 1
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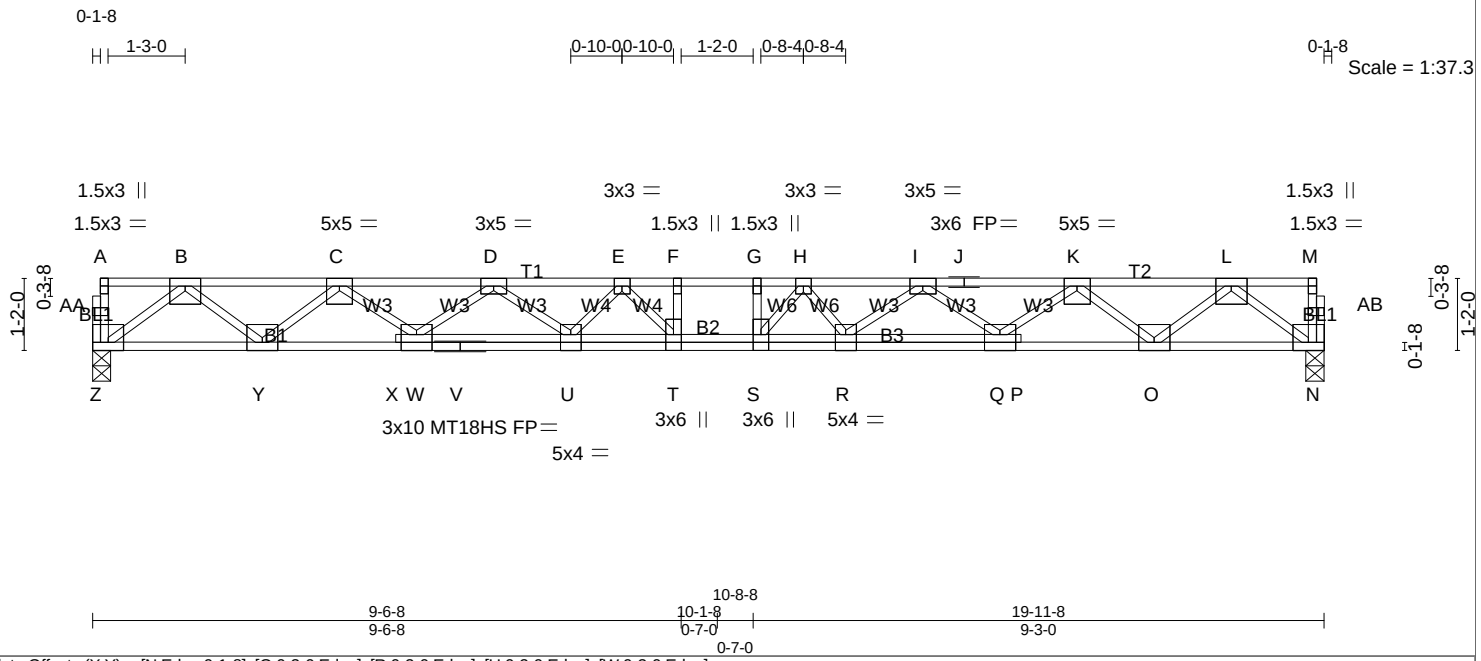

Plate Offsets (X,Y)-- [N:Edge,0-1-8], [Q:0-3-0,Edge], [R:0-2-0,Edge], [U:0-2-0,Edge], [W:0-3-0,Edge]

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	0.69	Vert(LL)	-0.39	S-T	>610	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.63	S-T	>376	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.09	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 115 lb	FT = 20%F, 12%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 4-2-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) Z=1274/0-3-8 (min. 0-1-8), N=1274/0-3-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Z-AA=-46/0, A-AA=-46/0, N-AB=-46/0, M-AB=-46/0, A-B=-3/0, B-C=-2742/0, C-D=-4717/0, D-E=-6068/0, E-F=-6339/0, F-G=-6339/0, G-H=-6339/0, H-I=-6071/0, I-J=-4716/0, J-K=-4716/0, K-L=-2742/0, L-M=-3/0
BOT CHORD Y-Z=0/1599, X-Y=0/3890, W-X=0/3831, V-W=0/5574, U-V=0/5574, T-U=0/6282, S-T=0/6339, R-S=0/6256, Q-R=0/5571, P-Q=0/3831, O-P=0/3891, N-O=0/1599
WEBS F-T=-159/0, G-S=-182/0, B-Z=-2002/0, B-Y=0/1489, C-Y=-1495/0, C-W=0/1049, D-W=-1089/0, D-U=0/627, E-U=-459/0, E-T=-246/443, L-N=-2002/0, L-O=0/1489, K-O=-1495/0, K-Q=0/1048, I-Q=-1087/0, I-R=0/634, H-R=-468/0, H-S=-217/485

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 5x6 MT20 unless otherwise indicated.
4) 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.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ THE CLARK II FLOOR
69018828	FT6	FLOOR	2	1	Job Reference (optional)

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

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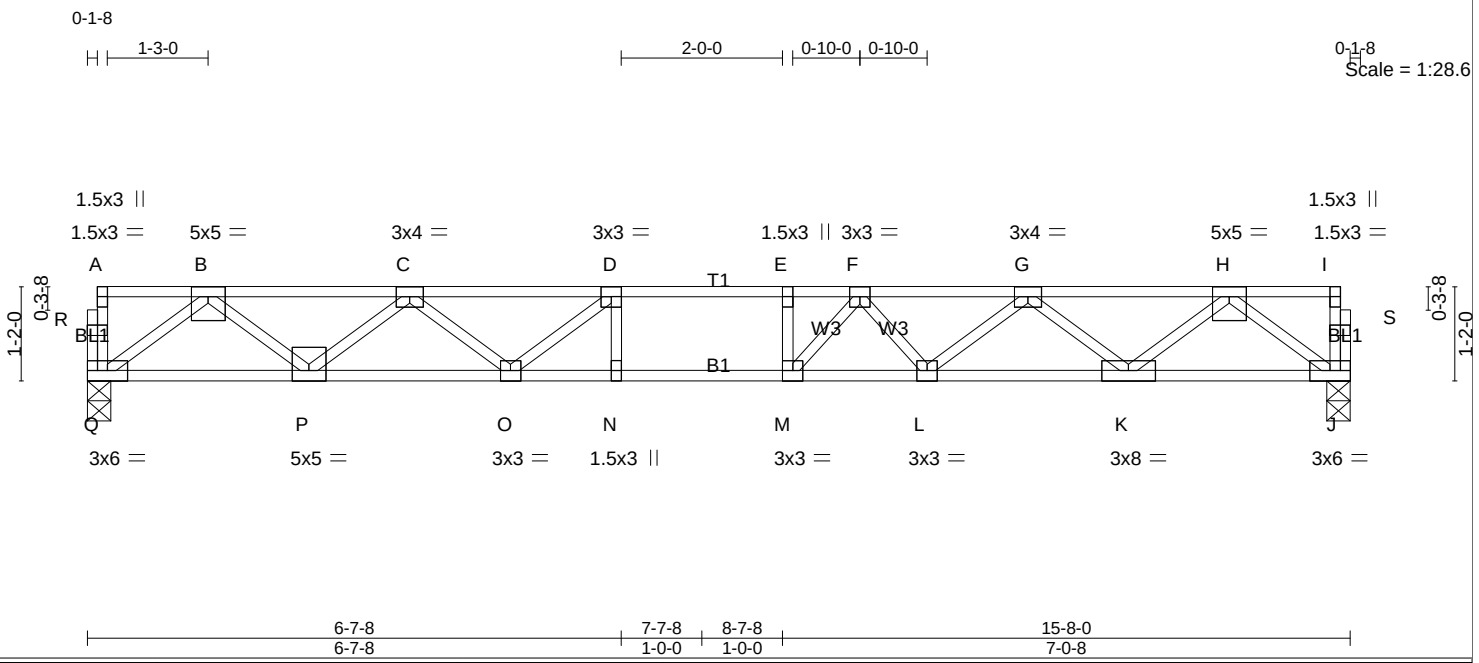

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.72	Vert(LL)	-0.18	L-M	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.30	M-N	>624	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.06	J	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 78 lb	FT = 20%F, 12%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 5-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) Q=995/0-3-8 (min. 0-1-8), J=995/0-3-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Q-R=-49/0, A-R=-48/0, J-S=-44/0, I-S=-44/0, A-B=-3/0, B-C=-2056/0, C-D=-3245/0, D-E=-3659/0, E-F=-3659/0, F-G=-3256/0, G-H=-2053/0, H-I=-3/0
BOT CHORD P-Q=0/1239, O-P=0/2838, N-O=0/3659, M-N=0/3659, L-M=0/3520, K-L=0/2833, J-K=0/1241
WEBS D-N=-102/159, E-M=-282/0, B-Q=-1551/0, B-P=0/1064, C-P=-1018/0, C-O=0/583, D-O=-698/0, H-J=-1553/0, H-K=0/1058, G-K=-1015/0, G-L=0/551, F-L=-444/0, F-M=-92/531

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) 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.
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/ THE CLARK II FLOOR
69018828	FT7	FLOOR	4	1	Job Reference (optional)

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

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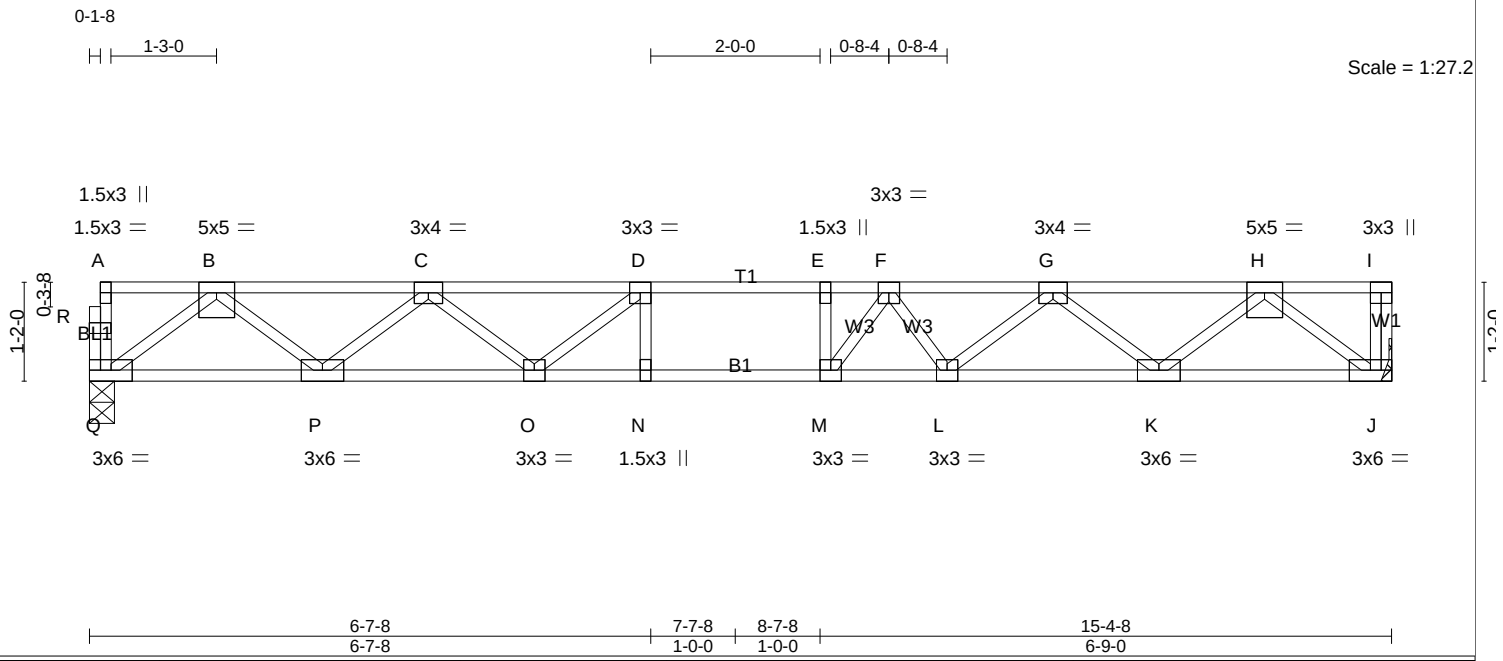

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.65	Vert(LL)	-0.17	M-N	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.27	M-N	>662	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.05	J	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 78 lb	FT = 20%F, 12%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) Q=976/0-3-8 (min. 0-1-8), J=983/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Q-R=-49/0, A-R=-49/0, I-J=-48/0, A-B=-3/0, B-C=-2009/0, C-D=-3151/0, D-E=-3525/0, E-F=-3525/0, F-G=-3165/0, G-H=-2006/0, H-I=0/0
BOT CHORD P-Q=0/1213, O-P=0/2771, N-O=0/3525, M-N=0/3525, L-M=0/3379, K-L=0/2760, J-K=0/1218
WEBS D-N=-112/142, E-M=-316/0, B-Q=-1518/0, B-P=0/1036, C-P=-992/0, C-O=0/552, D-O=-649/0, H-J=-1527/0, H-K=0/1027, G-K=-981/0, G-L=0/528, F-L=-432/0, F-M=-72/561

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) 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.
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/ THE CLARK II FLOOR
69018828	FT8	FLOOR	1	1	Job Reference (optional)

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

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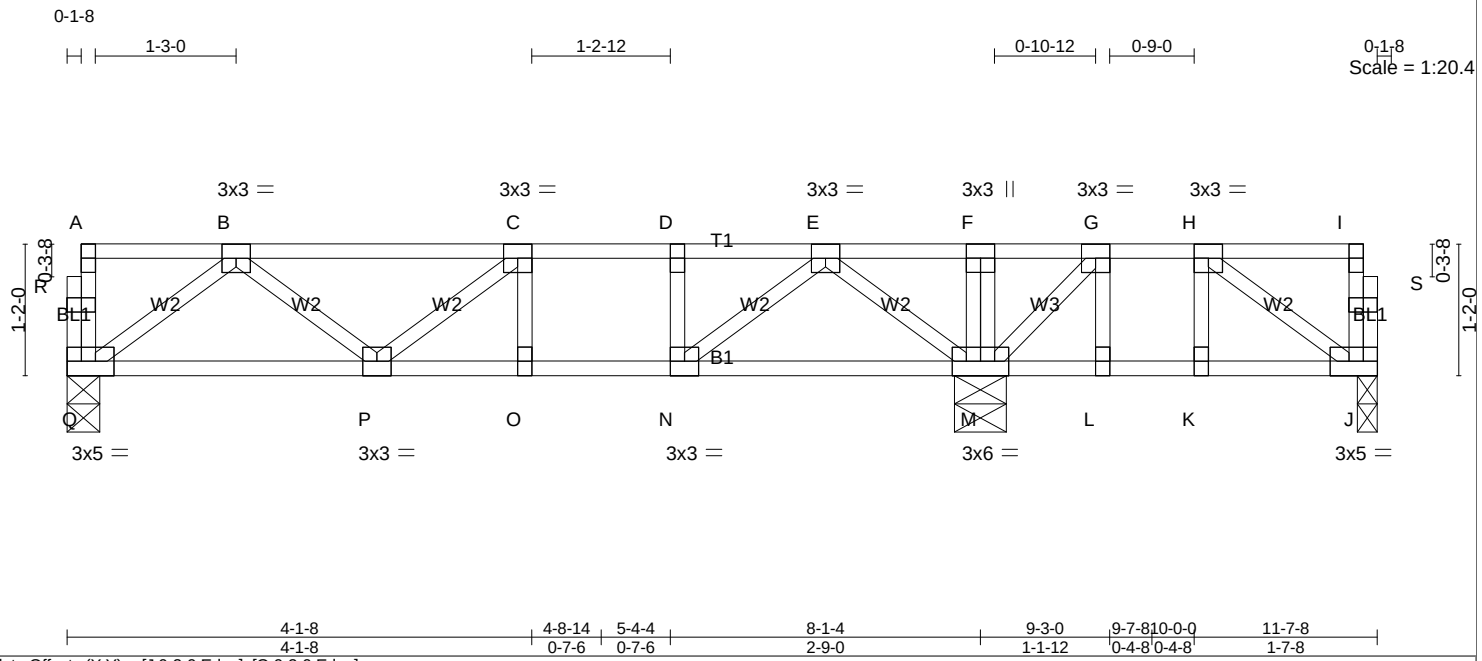

Plate Offsets (X,Y)-- [J:0-2-0,Edge], [Q:0-2-0,Edge]

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	0.41	Vert(LL)	-0.04	O-P	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.06	O-P	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	J	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 63 lb	FT = 20%F, 12%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) Q=507/0-3-8 (min. 0-1-8), J=205/0-2-2 (min. 0-1-8), M=752/0-5-8 (min. 0-1-8)
Max GravQ=510(LC 10), J=237(LC 7), M=752(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Q-R=-30/0, A-R=-30/0, J-S=-81/0, I-S=-81/0, A-B=-2/0, B-C=-830/0, C-D=-962/0, D-E=-962/0, E-F=-84/121, F-G=-85/119, G-H=-222/0, H-I=-5/0
BOT CHORD P-Q=0/624, O-P=0/962, N-O=0/962, M-N=0/575, L-M=0/222, K-L=0/222, J-K=0/222
WEBS F-M=-170/0, B-Q=-780/0, B-P=0/269, C-P=-174/0, C-O=-115/0, E-M=-721/0, E-N=0/518, D-N=-222/0, H-J=-269/0, H-K=-39/1, G-M=-309/0, G-L=0/64

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) J.
4) 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.
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/ THE CLARK II FLOOR
69018828	FT9	FLOOR	1	1	Job Reference (optional)

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

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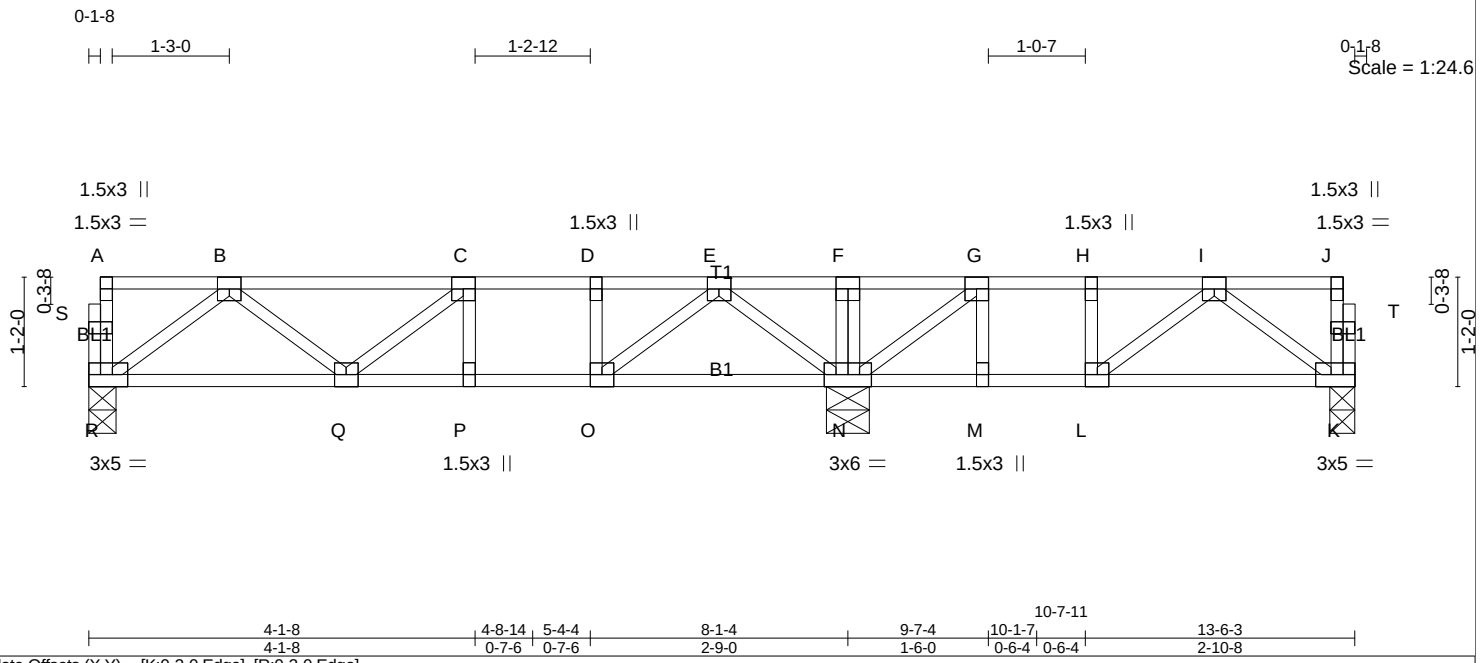

Plate Offsets (X,Y)-- [K:0-2-0,Edge], [R:0-2-0,Edge]

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	0.40	Vert(LL)	-0.04	P-Q	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.06	P-Q	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	K	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 71 lb	FT = 20%F, 12%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) R=513/0-3-8 (min. 0-1-8), K=339/0-3-3 (min. 0-1-8), N=858/0-5-8 (min. 0-1-8)
Max Grav R=519(LC 10), K=360(LC 7), N=858(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD R-S=-31/0, A-S=-31/0, K-T=-59/0, J-T=-59/0, A-B=-2/0, B-C=-854/0, C-D=-1003/0, D-E=-1003/0, E-F=-126/78, F-G=-126/78, G-H=-481/0, H-I=-481/0, I-J=-4/0
BOT CHORD Q-R=0/635, P-Q=0/1003, O-P=0/1003, N-O=0/634, M-N=0/481, L-M=0/481, K-L=0/379
WEBS F-N=-180/0, B-R=-794/0, B-Q=0/285, C-Q=-190/0, C-P=-110/0, E-N=-721/0, E-O=0/515, D-O=-221/0, I-K=-471/0, I-L=0/131, H-L=-85/0, G-N=-527/0, G-M=0/74

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 2015 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/ THE CLARK II FLOOR
69018828	FT10	FLOOR	1	1	Job Reference (optional)

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

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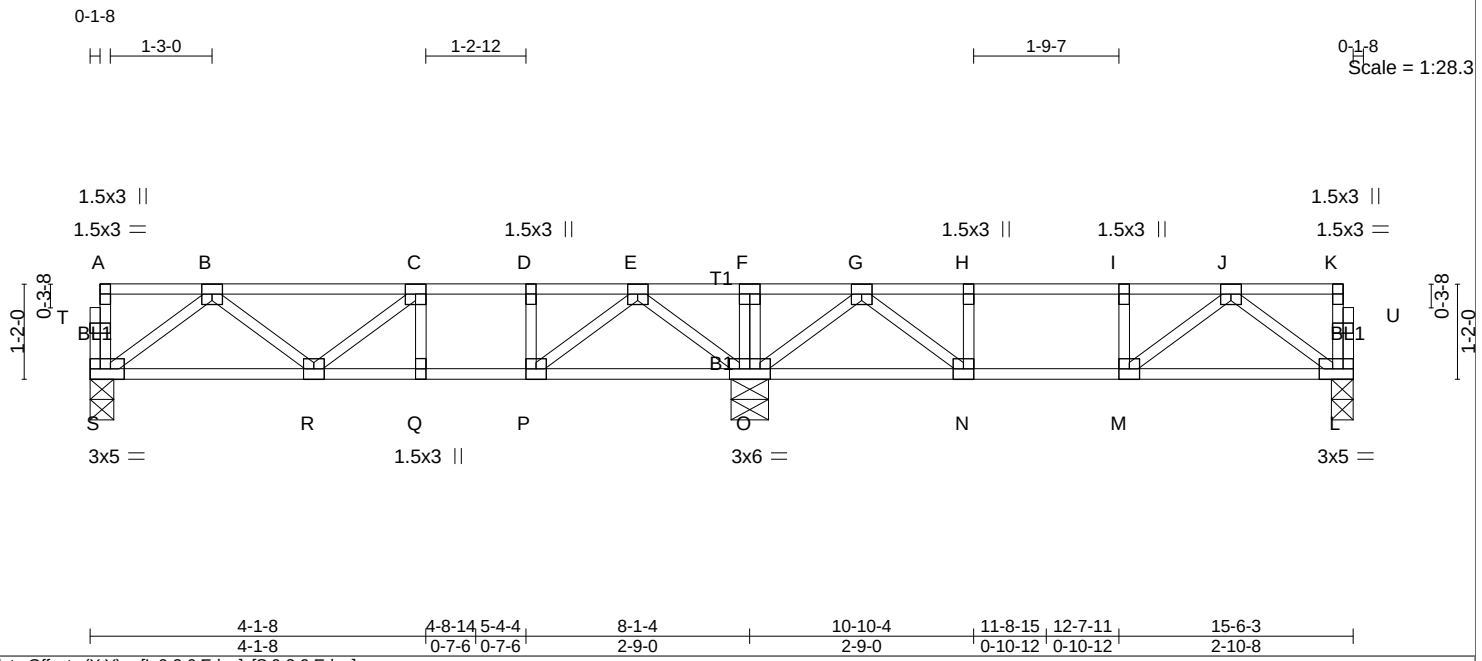

Plate Offsets (X,Y)-- [L:0-2-0,Edge], [S:0-2-0,Edge]

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	0.43	Vert(LL)	-0.04	Q-R	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.06	Q-R	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	L	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 12%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) S=487/0-3-8 (min. 0-1-8), L=440/0-3-3 (min. 0-1-8), O=1043/0-5-8 (min. 0-1-8)
Max Grav S=508(LC 10), L=452(LC 7), O=1043(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD S-T=-30/0, A-T=-30/0, L-U=-65/0, K-U=-65/0, A-B=-2/0, B-C=-825/0, C-D=-952/0, D-E=-952/0, E-F=0/265, F-G=0/265, G-H=-751/0, H-I=-751/0, I-J=-751/0, J-K=-4/0
BOT CHORD R-S=0/621, Q-R=0/952, P-Q=0/952, O-P=0/560, N-O=0/430, M-N=0/751, L-M=0/496
WEBS F-O=-202/0, B-S=-777/0, B-R=0/265, C-R=-163/0, C-Q=-132/0, E-O=-757/0, E-P=0/585, D-P=-250/0, J-L=-618/0, J-M=0/326, I-M=-186/0, G-O=-669/0, G-N=0/473, H-N=-253/0

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 2015 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/ THE CLARK II FLOOR
69018828	FT11	FLOOR	2	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 14:28:44 2019 Page 1
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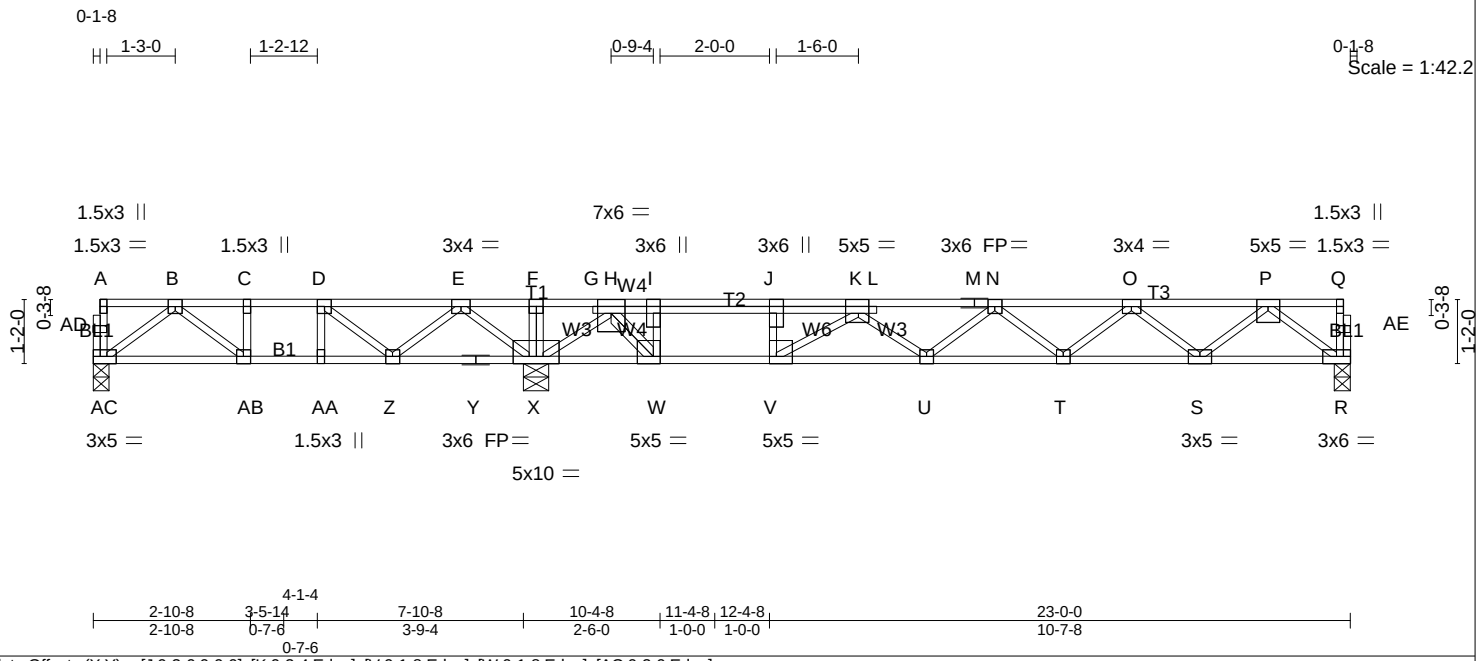

Plate Offsets (X,Y)-- [J:0-3-0,0-0-0], [K:0-2-4,Edge], [V:0-1-8,Edge], [W:0-1-8,Edge], [AC:0-2-0,Edge]

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)	-0.19	U-V	>913	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.32	U-V	>561	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.04	R	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 124 lb	FT = 20%F, 12%E

LUMBER-
TOP CHORD 2x4 SP SS(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 6-0-0 oc bracing.

REACTIONS. (lb/size) AC=317/0-3-8 (min. 0-1-8), X=1778/0-5-8 (min. 0-1-8), R=847/0-3-8 (min. 0-1-8)
Max Grav AC=401(LC 3), X=1778(LC 1), R=867(LC 4)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AC-AD=-62/0, A-AD=-62/0, R-AE=-47/0, Q-AE=-47/0, A-B=-4/0, B-C=-613/132, C-D=-613/132, D-E=-272/471, E-F=0/1479, F-G=0/1481, G-H=0/1468, H-I=-1502/0, I-J=-1502/0, J-K=-1502/0, K-L=-2763/0, L-M=-2781/0, M-N=-2781/0, N-O=-2614/0, O-P=-1738/0, P-Q=-3/0
BOT CHORD AB-AC=0/436, AA-AB=-132/613, Z-AA=-132/613, Y-Z=-787/0, X-Y=-787/0, W-X=-305/124, V-W=0/1502, U-V=0/2624, T-U=0/2846, S-T=0/2369, R-S=0/1070
WEBS I-W=-1587/0, J-V=0/671, F-X=-270/0, B-AC=-542/0, B-AB=-181/226, C-AB=-112/78, E-X=-1014/0, E-Z=0/626, D-Z=-633/0, D-AA=-1/114, H-X=-1603/0, H-W=0/2232, P-R=-1339/0, P-S=0/869, O-S=-821/0, O-T=0/319, N-T=-302/0, N-U=-128/1, K-U=0/247, K-V=-1420/0

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 2015 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/ THE CLARK II FLOOR
69018828	FT13	FLOOR	5	1	Job Reference (optional)

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

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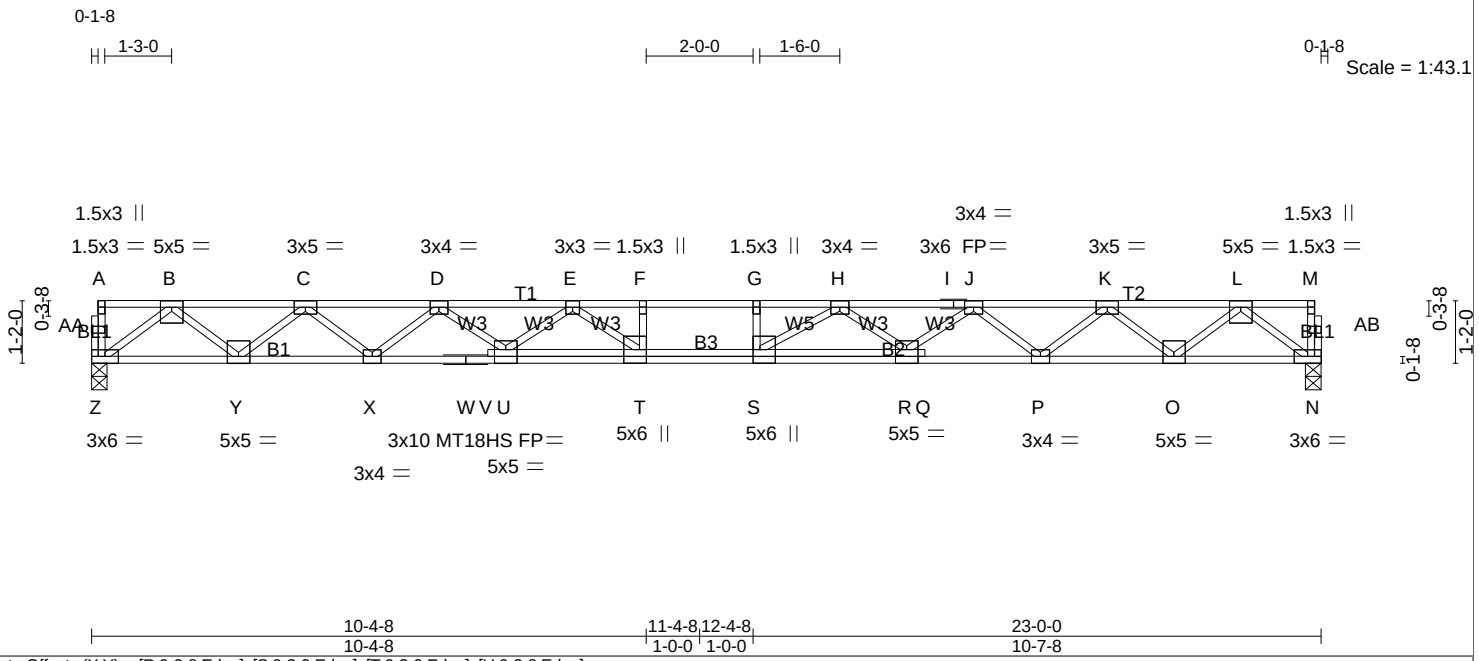

Plate Offsets (X,Y)-- [R:0-2-8,Edge], [S:0-3-0,Edge], [T:0-3-0,Edge], [U:0-2-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.70	Vert(LL)	-0.47	S	>586	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.76	S	>361	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.10	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 124 lb	FT = 20%F, 12%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 4-6-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: U-X,P-R.

REACTIONS. (lb/size) Z=981/0-3-8 (min. 0-1-8), N=981/0-3-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Z-AA=-31/0, A-AA=-31/0, N-AB=-31/0, M-AB=-31/0, A-B=-2/0, B-C=-2170/0, C-D=-3707/0, D-E=-4845/0, E-F=-5665/0, F-G=-5665/0, G-H=-5665/0, H-I=-4853/0, I-J=-4853/0, J-K=-3705/0, K-L=-2171/0, L-M=-2/0
BOT CHORD Y-Z=0/1245, X-Y=0/3062, W-X=0/4383, V-W=0/4383, U-V=0/4315, T-U=0/5348, S-T=0/5665, R-S=0/5336, Q-R=0/4318, P-Q=0/4385, O-P=0/3061, N-O=0/1245
WEBS F-T=-173/0, G-S=-162/0, B-Z=-1560/0, B-Y=0/1205, C-Y=-1160/0, C-X=0/840, D-X=-880/0, D-U=0/586, E-U=-639/0, E-T=0/644, L-N=-1560/0, L-O=0/1205, K-O=-1159/0, K-P=0/838, J-P=-885/0, J-R=0/594, H-R=-613/0, H-S=0/651

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) 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.
4) Required 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/ THE CLARK II FLOOR
69018828	FT14	FLOOR	1	1	Job Reference (optional)

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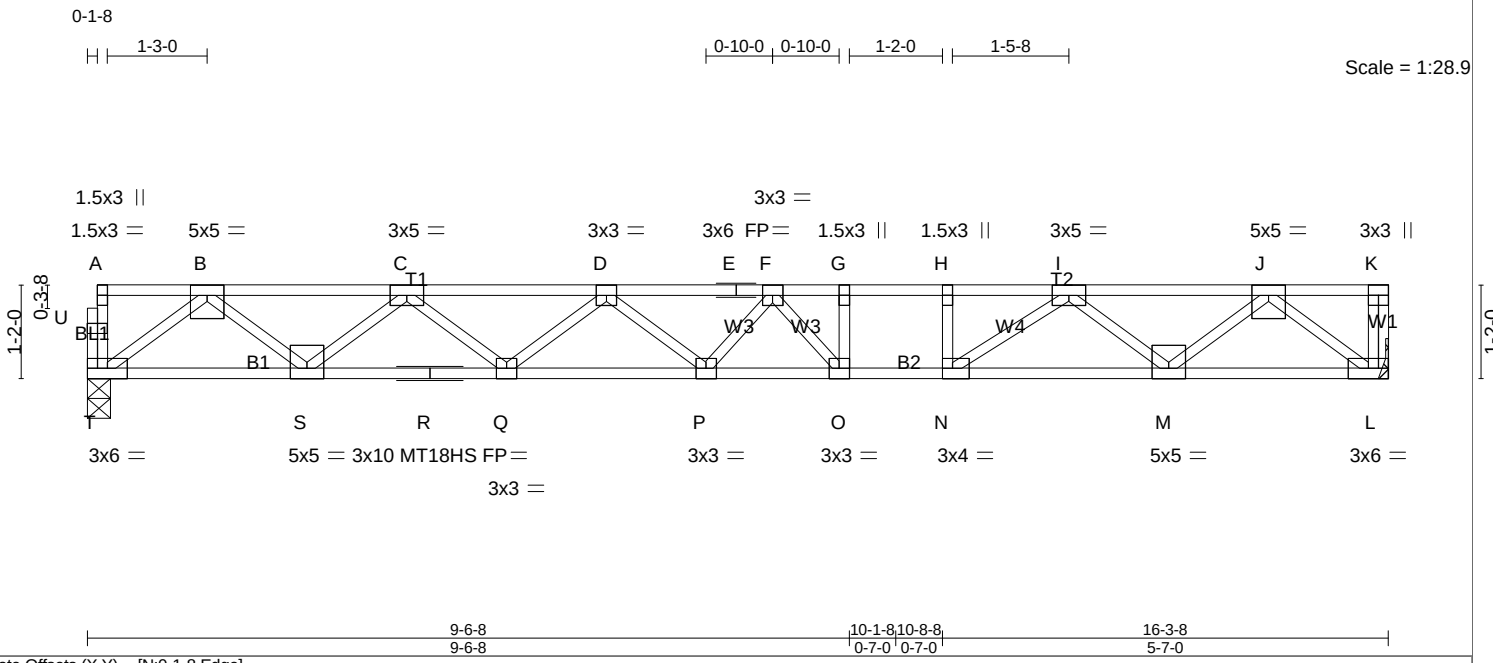

Plate Offsets (X,Y)-- [N:0-1-8,Edge]

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	0.86	Vert(LL)	-0.24	O-P	>818	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.38	O-P	>504	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.06	L	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 83 lb	FT = 20%F, 12%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) T=1035/0-3-8 (min. 0-1-8), L=1043/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD T-U=-46/0, A-U=-46/0, K-L=-46/0, A-B=-3/0, B-C=-2158/0, C-D=-3441/0, D-E=-3990/0, E-F=-3990/0, F-G=-3721/0, G-H=-3721/0, H-I=-3721/0, I-J=-2133/0, J-K=0/0
BOT CHORD S-T=0/1292, R-S=0/2988, Q-R=0/2988, P-Q=0/3879, O-P=0/3992, N-O=0/3721, M-N=0/2979, L-M=0/1294
WEBS G-O=-59/220, H-N=-357/0, B-T=-1617/0, B-S=0/1128, C-S=-1081/0, C-Q=0/589, D-Q=-570/0, D-P=0/232, F-P=-149/109, F-O=-580/60, J-L=-1624/0, J-M=0/1092, I-M=-1102/0, I-N=0/1007

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) 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.
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/ THE CLARK II FLOOR
69018828	FT15	FLOOR	1	1	Job Reference (optional)

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

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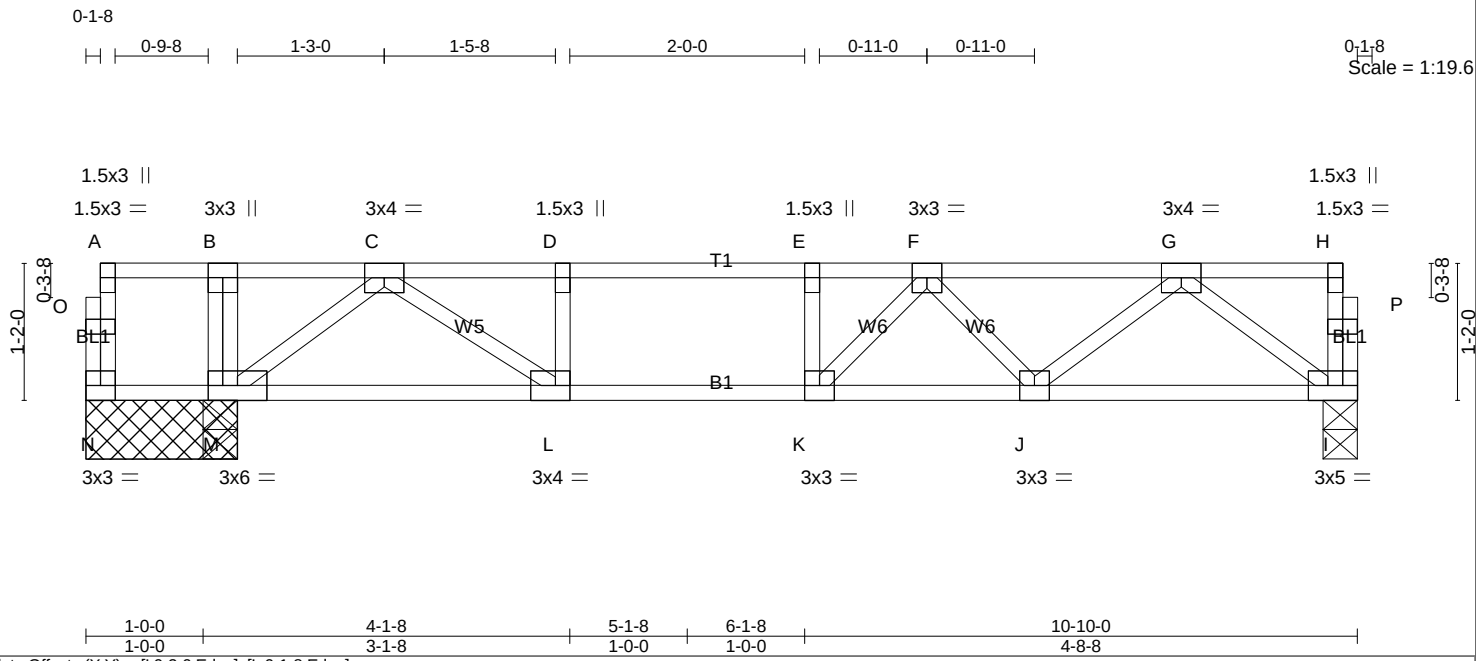

Plate Offsets (X,Y)-- [I:0-2-0,Edge], [L:0-1-8,Edge]

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	0.69	Vert(LL)	-0.09	J-K	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.13	J-K	>885	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	I	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 56 lb	FT = 20%F, 12%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, Except:
6-0-0 oc bracing: M-N.

REACTIONS. (lb/size) N=43/1-3-8 (min. 0-1-8), I=611/0-3-8 (min. 0-1-8), M=707/1-3-8 (min. 0-1-8), M=707/1-3-8 (min. 0-1-8)
Max Grav N=66(LC 10), I=611(LC 4), M=707(LC 1), M=707(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD N-O=-45/4, A-O=-45/4, I-P=-52/0, H-P=-52/0, A-B=-3/0, B-C=-3/0, C-D=-1324/0, D-E=-1324/0, E-F=-1324/0, F-G=-1111/0, G-H=-3/0
BOT CHORD M-N=-0/3, L-M=0/692, K-L=0/1324, J-K=0/1338, I-J=0/731
WEBS D-L=-348/0, E-K=-141/0, G-I=-913/0, G-J=0/495, F-J=-342/0, F-K=-114/198, B-M=-190/0, C-M=-868/0, C-L=0/776

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) 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.
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/ THE CLARK II FLOOR
69018828	KW1	Floor Supported Gable	1	1	Job Reference (optional)

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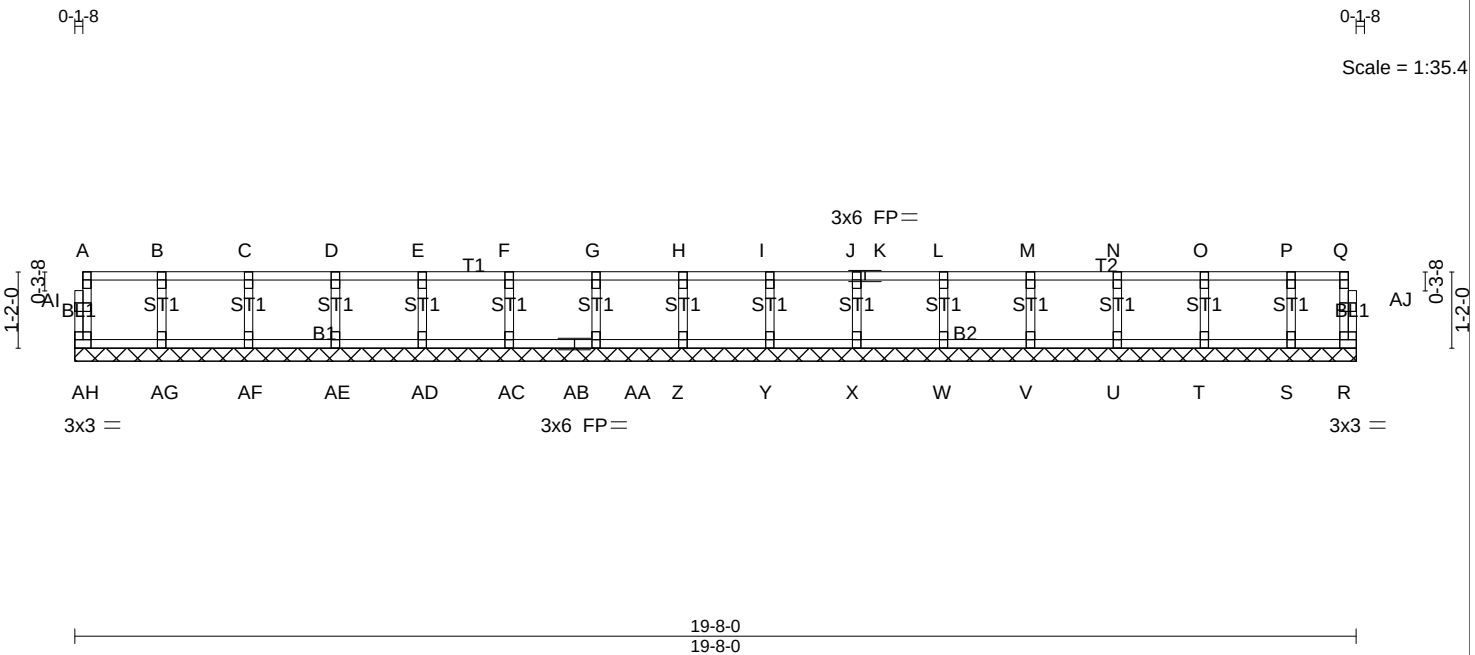

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	R	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 82 lb	FT = 20%F, 12%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) AH=63/19-8-0 (min. 0-1-8), R=43/19-8-0 (min. 0-1-8), AG=173/19-8-0 (min. 0-1-8), AF=174/19-8-0 (min. 0-1-8), AE=173/19-8-0 (min. 0-1-8), AD=173/19-8-0 (min. 0-1-8), AC=173/19-8-0 (min. 0-1-8), AA=173/19-8-0 (min. 0-1-8), Z=173/19-8-0 (min. 0-1-8), Y=173/19-8-0 (min. 0-1-8), X=173/19-8-0 (min. 0-1-8), W=173/19-8-0 (min. 0-1-8), V=174/19-8-0 (min. 0-1-8), U=172/19-8-0 (min. 0-1-8), T=179/19-8-0 (min. 0-1-8), S=145/19-8-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AH-AI=-59/0, A-AI=-59/0, R-AJ=-37/0, Q-AJ=-37/0, 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, H-I=-8/0, I-J=-8/0, J-K=-8/0, K-L=-8/0, L-M=-8/0, M-N=-8/0, N-O=-8/0, O-P=-8/0, P-Q=-8/0
BOT CHORD AG-AH=0/8, AF-AG=0/8, AE-AF=0/8, AD-AE=0/8, AC-AD=0/8, AB-AC=0/8, AA-AB=0/8, Z-AA=0/8, Y-Z=0/8, X-Y=0/8, W-X=0/8, V-W=0/8, U-V=0/8, T-U=0/8, S-T=0/8, R-S=0/8
WEBS B-AG=-158/0, C-AF=-161/0, D-AE=-160/0, E-AD=-160/0, F-AC=-160/0, G-AA=-160/0, H-Z=-160/0, I-Y=-160/0, J-X=-160/0, L-W=-160/0, M-V=-160/0, N-U=-159/0, O-T=-165/0, P-S=-136/0

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 2015 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/ THE CLARK II FLOOR
69018828	KW2	Floor Supported Gable	1	1	Job Reference (optional)

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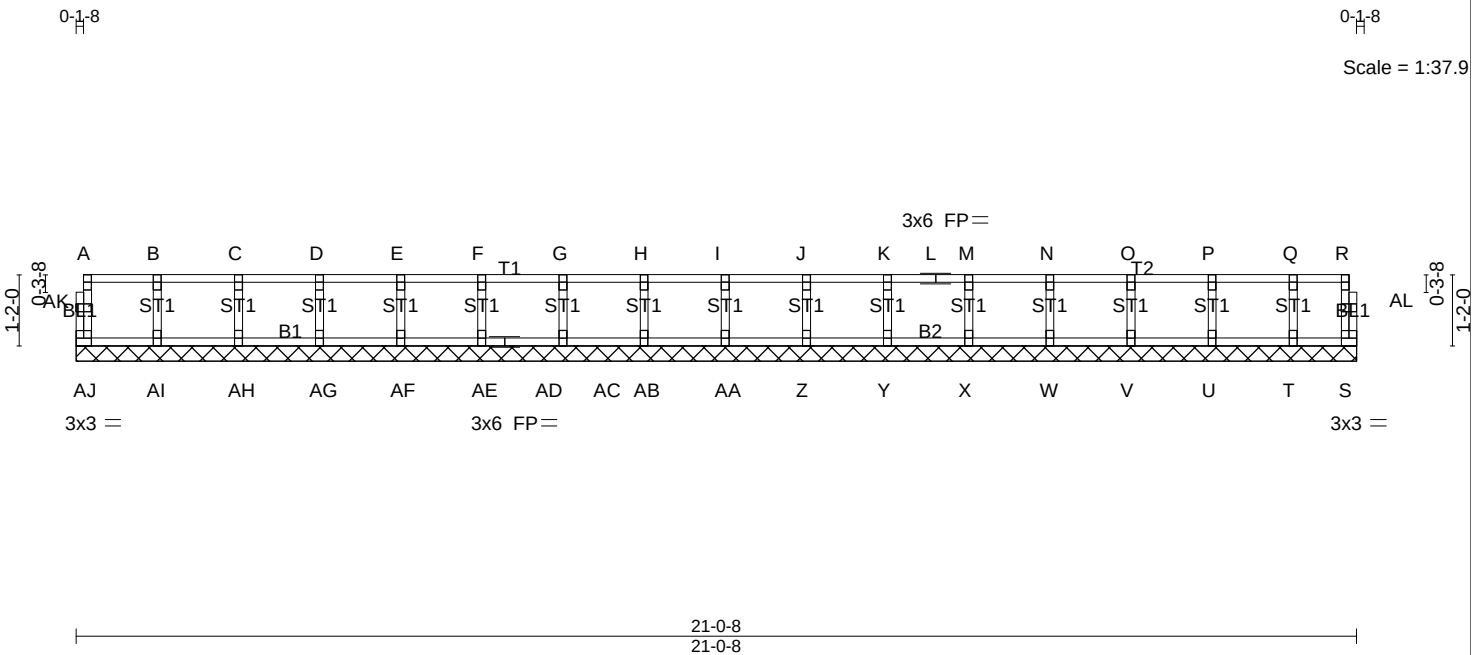

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	S	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 88 lb	FT = 20%F, 12%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) AJ=63/21-0-8 (min. 0-1-8), S=46/21-0-8 (min. 0-1-8), AI=173/21-0-8 (min. 0-1-8), AH=174/21-0-8 (min. 0-1-8), AG=173/21-0-8 (min. 0-1-8), AF=173/21-0-8 (min. 0-1-8), AE=173/21-0-8 (min. 0-1-8), AC=173/21-0-8 (min. 0-1-8), AB=173/21-0-8 (min. 0-1-8), AA=173/21-0-8 (min. 0-1-8), Z=173/21-0-8 (min. 0-1-8), Y=173/21-0-8 (min. 0-1-8), X=173/21-0-8 (min. 0-1-8), W=174/21-0-8 (min. 0-1-8), V=172/21-0-8 (min. 0-1-8), U=179/21-0-8 (min. 0-1-8), T=148/21-0-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AJ-AK=-59/0, A-AK=-59/0, S-AL=-40/0, R-AL=-40/0, 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, H-I=-8/0, I-J=-8/0, J-K=-8/0, K-L=-8/0, L-M=-8/0, M-N=-8/0, N-O=-8/0, O-P=-8/0, P-Q=-8/0, Q-R=-8/0
BOT CHORD AI-AJ=0/8, AH-AI=0/8, AG-AH=0/8, AF-AG=0/8, AE-AF=0/8, AD-AE=0/8, AC-AD=0/8, AB-AC=0/8, AA-AB=0/8, Z-AA=0/8, Y-Z=0/8, X-Y=0/8, W-X=0/8, V-W=0/8, U-V=0/8, T-U=0/8, S-T=0/8
WEBS B-AI=-158/0, C-AH=-161/0, D-AG=-160/0, E-AF=-160/0, F-AE=-160/0, G-AC=-160/0, H-AB=-160/0, I-AA=-160/0, J-Z=-160/0, K-Y=-160/0, M-X=-160/0, N-W=-160/0, O-V=-159/0, P-U=-165/0, Q-T=-139/0

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 2015 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/ THE CLARK II FLOOR
69018828	KW4	Floor Supported Gable	1	1	Job Reference (optional)

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

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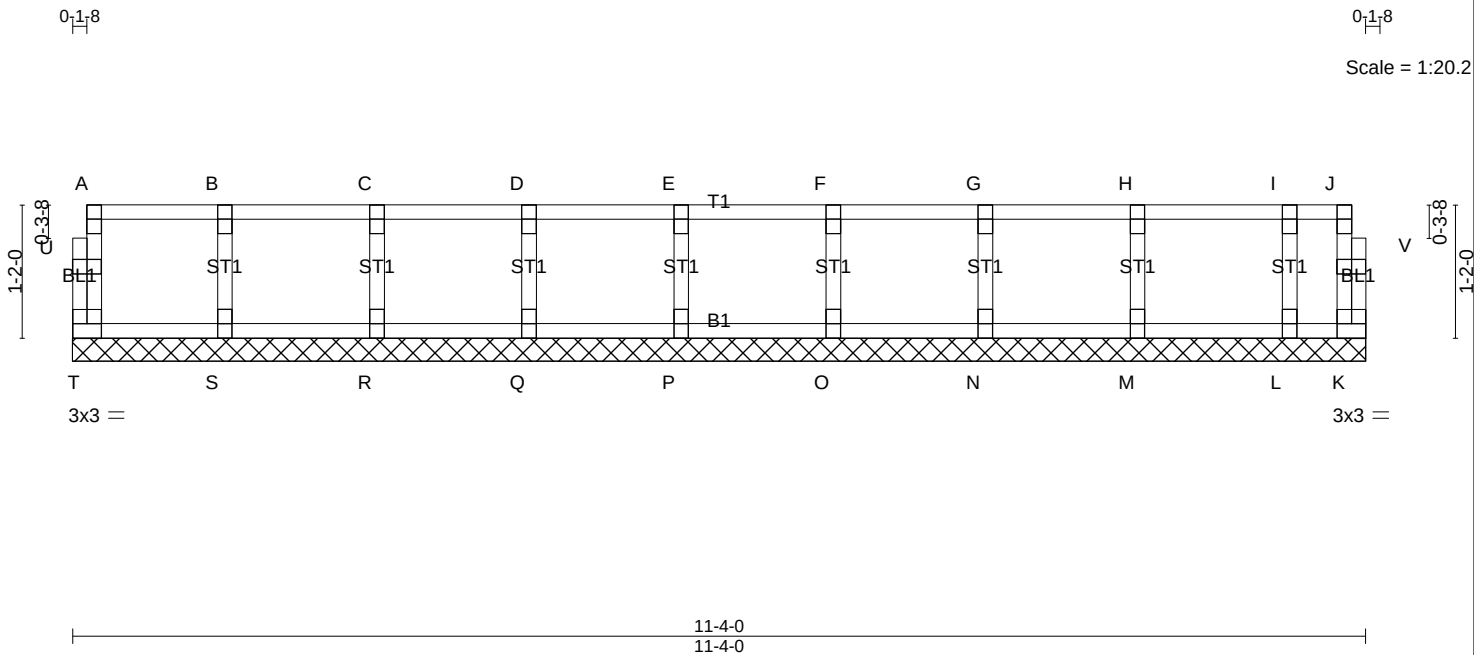

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	K	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 49 lb	FT = 20%F, 12%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) T=62/11-4-0 (min. 0-1-8), K=19/11-4-0 (min. 0-1-8), S=174/11-4-0 (min. 0-1-8), R=173/11-4-0 (min. 0-1-8), Q=173/11-4-0 (min. 0-1-8), P=173/11-4-0 (min. 0-1-8), O=174/11-4-0 (min. 0-1-8), N=171/11-4-0 (min. 0-1-8), M=181/11-4-0 (min. 0-1-8), L=124/11-4-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD T-U=-59/0, A-U=-58/0, K-V=-10/0, J-V=-9/0, 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, H-I=-8/0, I-J=-8/0
BOT CHORD S-T=0/8, R-S=0/8, Q-R=0/8, P-Q=0/8, O-P=0/8, N-O=0/8, M-N=0/8, L-M=0/8, K-L=0/8
WEBS B-S=-159/0, C-R=-161/0, D-Q=-160/0, E-P=-160/0, F-O=-160/0, G-N=-158/0, H-M=-166/0, I-L=-123/0

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 2015 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/ THE CLARK II FLOOR
69018828	KW5	Floor Supported Gable	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 14:28:49 2019 Page 1
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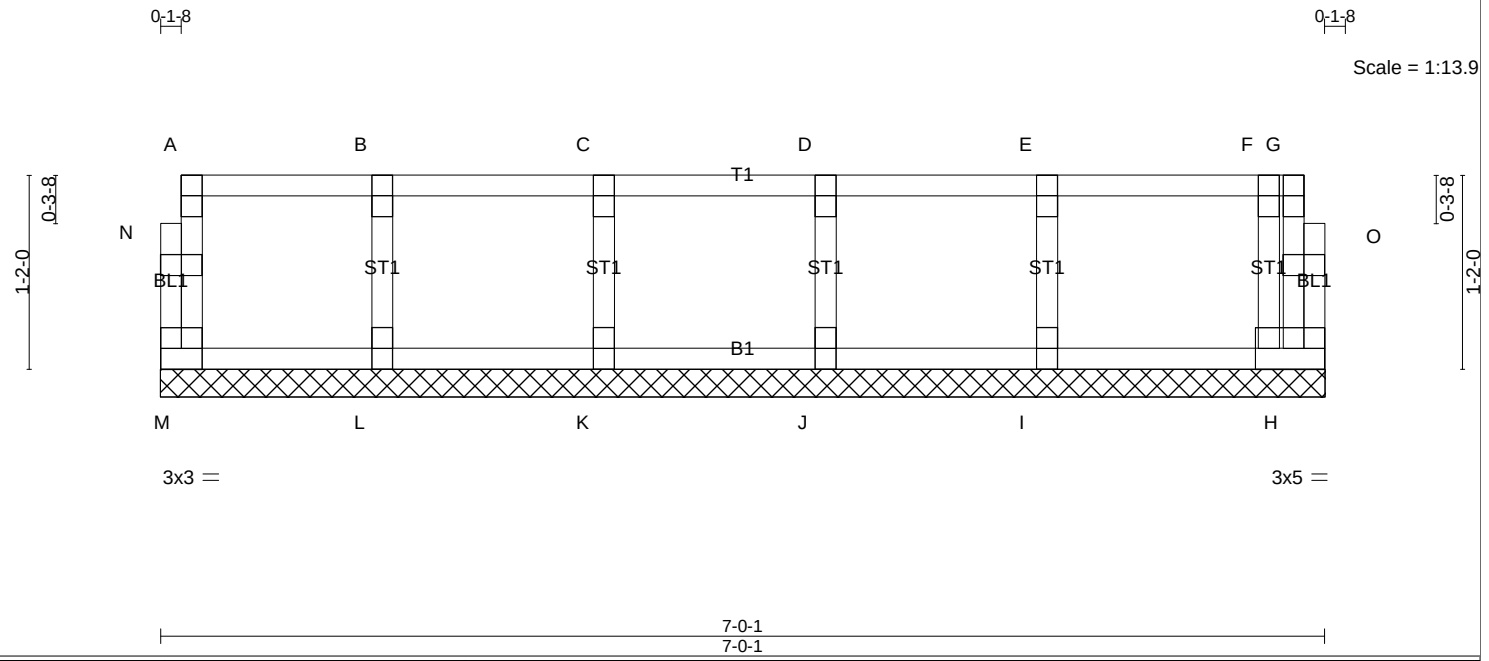

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	H	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 32 lb	FT = 20%F, 12%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) M=73/7-0-1 (min. 0-1-8), H=95/7-0-1 (min. 0-1-8), L=160/7-0-1 (min. 0-1-8), K=178/7-0-1 (min. 0-1-8), J=168/7-0-1 (min. 0-1-8), I=188/7-0-1 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD M-N=-65/0, A-N=-64/0, H-O=0/26, G-O=0/26, A-B=-18/0, B-C=-18/0, C-D=-18/0, D-E=-18/0, E-F=-18/0, F-G=-3/0
BOT CHORD L-M=0/18, K-L=0/18, J-K=0/18, I-J=0/18, H-I=0/18
WEBS B-L=-152/0, C-K=-163/0, D-J=-157/0, E-I=-171/0, F-H=-117/0

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 2015 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