Job	Truss	Truss Type	Qty	Ply	288 NC2015
20063650F	FG1	Floor Girder	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

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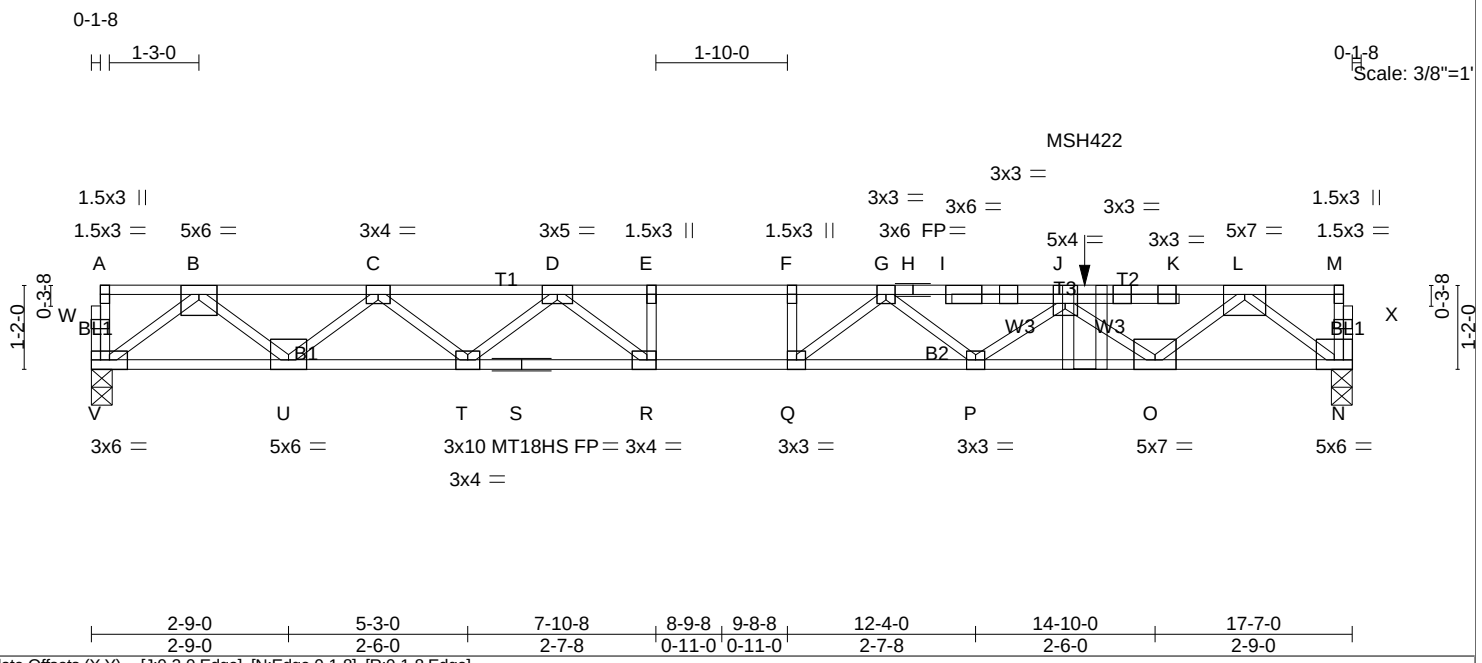

Plate Offsets (X,Y)-- [J:0-2-0,Edge], [N:Edge,0-1-8], [R:0-1-8,Edge]

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	0.83	Vert(LL)	-0.28	Q	>735	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.46	Q	>448	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.08	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 92 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 5-7-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) V=1201/0-3-8, N=1405/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD V-W=-48/0, A-W=-48/0, N-X=-61/0, M-X=-61/0, A-B=-3/0, B-C=-2578/0, C-D=-4245/0, D-E=-5318/0, E-F=-5318/0, F-G=-5318/0, G-H=-4905/0, H-I=-4905/0, I-J=-4910/0, J-K=-3119/0, K-L=-3114/0, L-M=-4/0
BOT CHORD U-V=0/1509, T-U=0/3607, S-T=0/4879, R-S=0/4879, Q-R=0/5318, P-Q=0/5200, O-P=0/4531, N-O=0/1758
WEBS L-N=-2201/0, B-V=-1889/0, L-O=0/1766, B-U=0/1391, J-O=-1799/0, C-U=-1340/0, J-P=0/475, C-T=0/830, G-P=-384/0, D-T=-825/0, G-Q=-233/414, D-R=0/888, E-R=-396/0, F-Q=-216/31

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) Use USP MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 13-10-4 from the left end to connect truss(es) FG2 (1 ply 2x4 SP) to front face of top chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
6) Fill all nail holes where hanger is in contact with lumber.
7) 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: N-V=-10, A-M=-120
Concentrated Loads (lb)
Vert: J=-368(F)

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20063650F	FG2	Floor Girder	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:07:33 2020 Page 1
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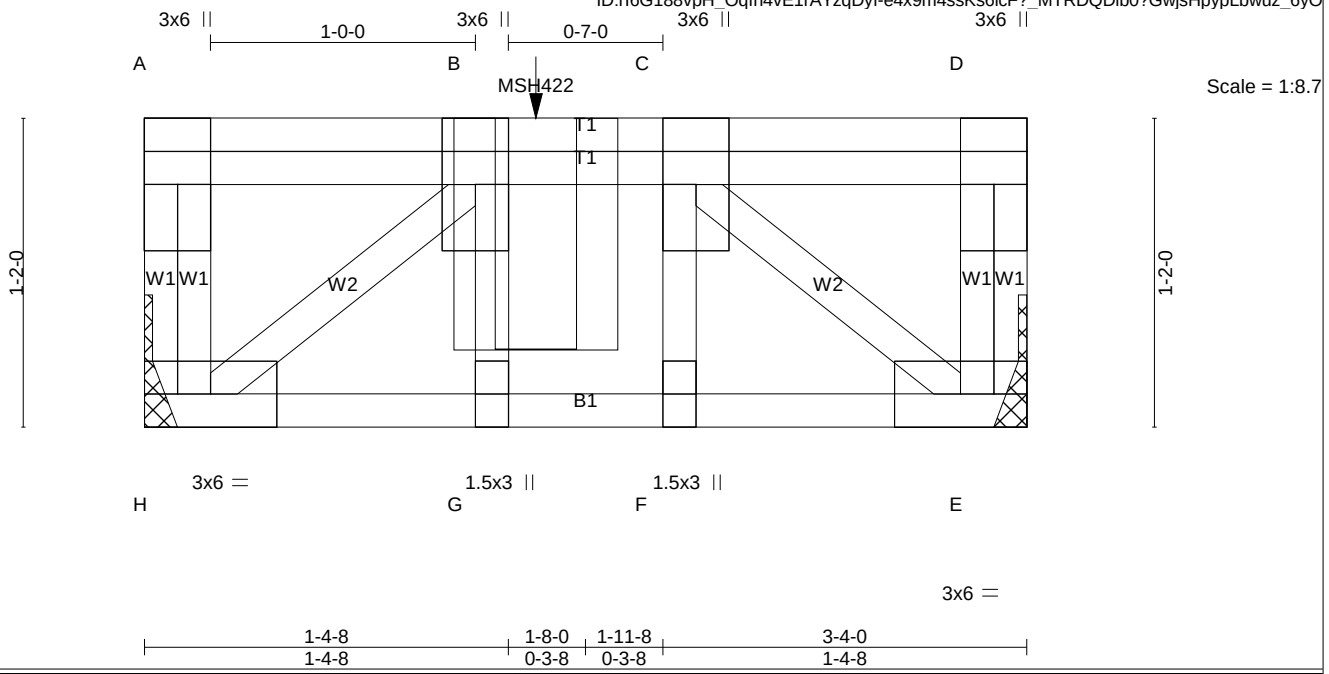

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.01	G	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.01	G	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.00	E	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 26 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 3-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) H=660/Mechanical, E=488/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-H=-158/0, D-E=-11/43, A-B=0/0, B-C=-590/0, C-D=0/0
BOT CHORD G-H=0/590, F-G=0/590, E-F=0/590
WEBS B-H=-765/0, B-G=-65/0, C-E=-765/0, C-F=0/78

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 1-5-12 from the left end to connect truss(es) ft7 (1 ply 2x4 SP) to front face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
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: E-H=-10, A-D=-120
Concentrated Loads (lb)
Vert: B=-747(F)

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20063650F	FT1	Floor	4	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

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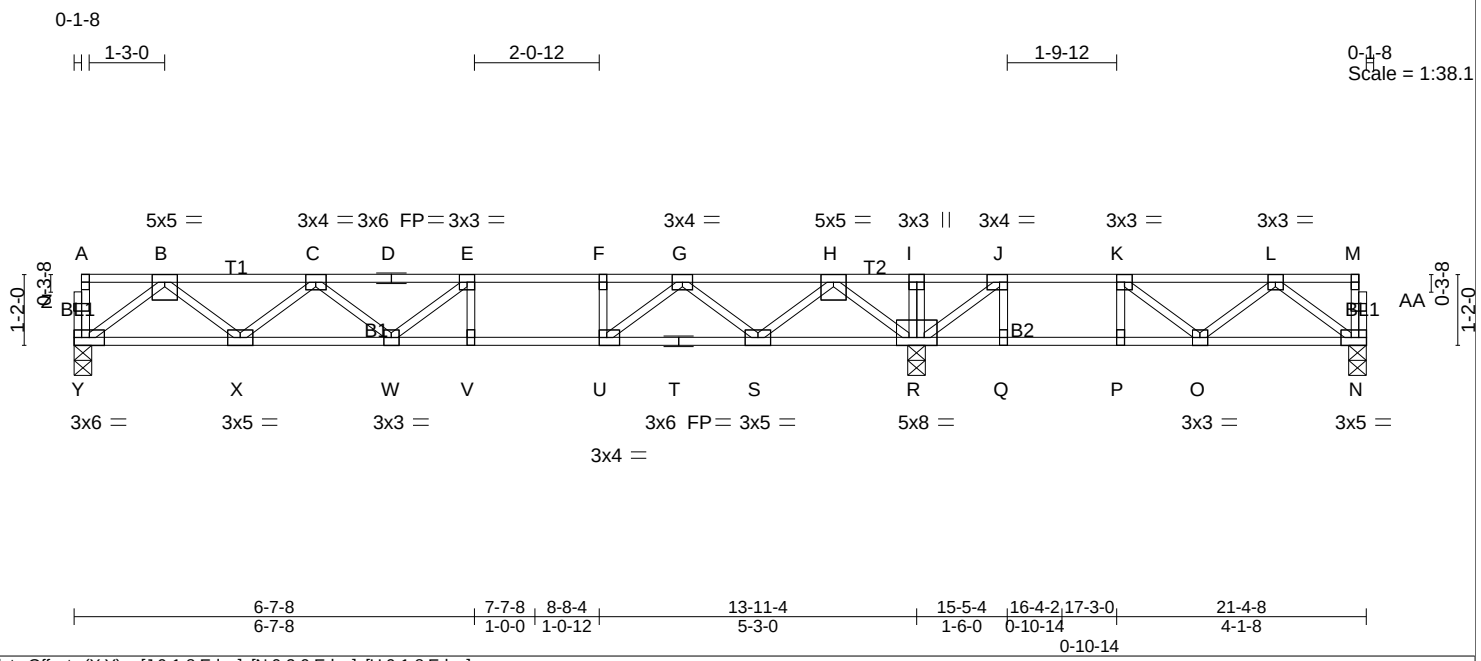

Plate Offsets (X,Y)-- [J:0-1-8,Edge], [N:0-2-0,Edge], [U:0-1-8,Edge]

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)	-0.17	V-W	>989	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.26	V-W	>626	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.04	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 106 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 5-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) Y=867/0-3-8, N=425/0-3-8, R=1439/0-3-8
Max Grav Y=871(LC 10), N=481(LC 4), R=1439(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Y-Z=-50/0, A-Z=-50/0, N-AA=-24/0, M-AA=-24/0, A-B=-3/0, B-C=-1748/0, C-D=-2636/0, D-E=-2636/0, E-F=-2769/0, F-G=-2769/0, G-H=-1570/0, H-I=-83/535, I-J=-83/535, J-K=-784/71, K-L=-757/0, L-M=-1/0
BOT CHORD X-Y=0/1070, W-X=0/2401, V-W=0/2769, U-V=0/2769, T-U=0/2262, S-T=0/2262, R-S=0/879, Q-R=-71/784, P-Q=-71/784, O-P=-71/784, N-O=0/597
WEBS E-V=-174/26, F-U=-317/0, I-R=-54/42, B-Y=-1339/0, B-X=0/883, C-X=-850/0, C-W=0/369, H-R=-1459/0, H-S=0/924, G-S=-946/0, G-U=0/761, L-N=-747/0, L-O=-48/209, K-O=-34/212, K-P=-236/0, J-R=-1068/0, J-Q=0/247, E-W=-360/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 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	288 NC2015
20063650F	FT2	Floor	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:07:38 2020 Page 1
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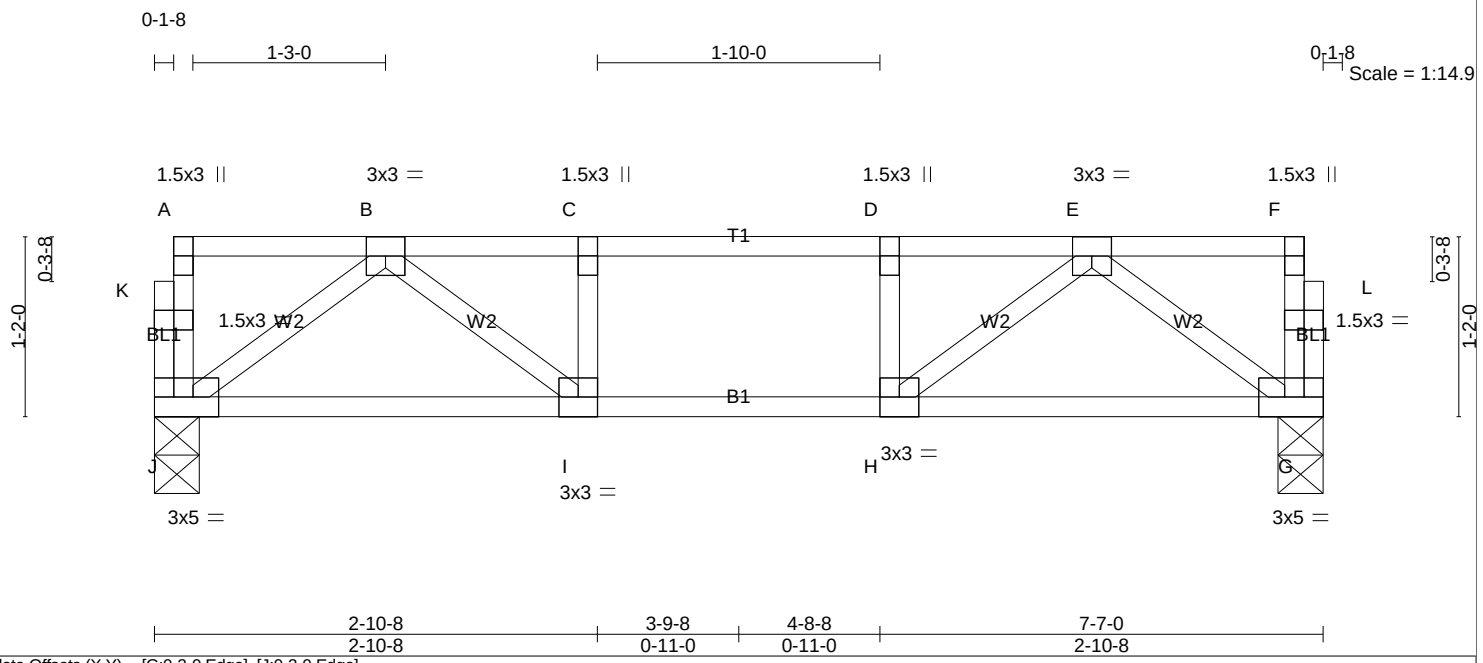

Plate Offsets (X,Y)-- [G:0-2-0,Edge], [J:0-2-0,Edge]

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	0.30	Vert(LL)	-0.03	I-J	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.04	I-J	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	G	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 39 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) J=469/0-3-8, G=469/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD J-K=-67/0, A-K=-67/0, G-L=-67/0, F-L=-67/0, A-B=-4/0, B-C=-809/0, C-D=-809/0, D-E=-809/0, E-F=-4/0
BOT CHORD I-J=0/519, H-I=0/809, G-H=0/519
WEBS B-J=-646/0, B-I=0/412, C-I=-210/0, E-G=-646/0, E-H=0/412, D-H=-210/0

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	288 NC2015
20063650F	FT3	Floor	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

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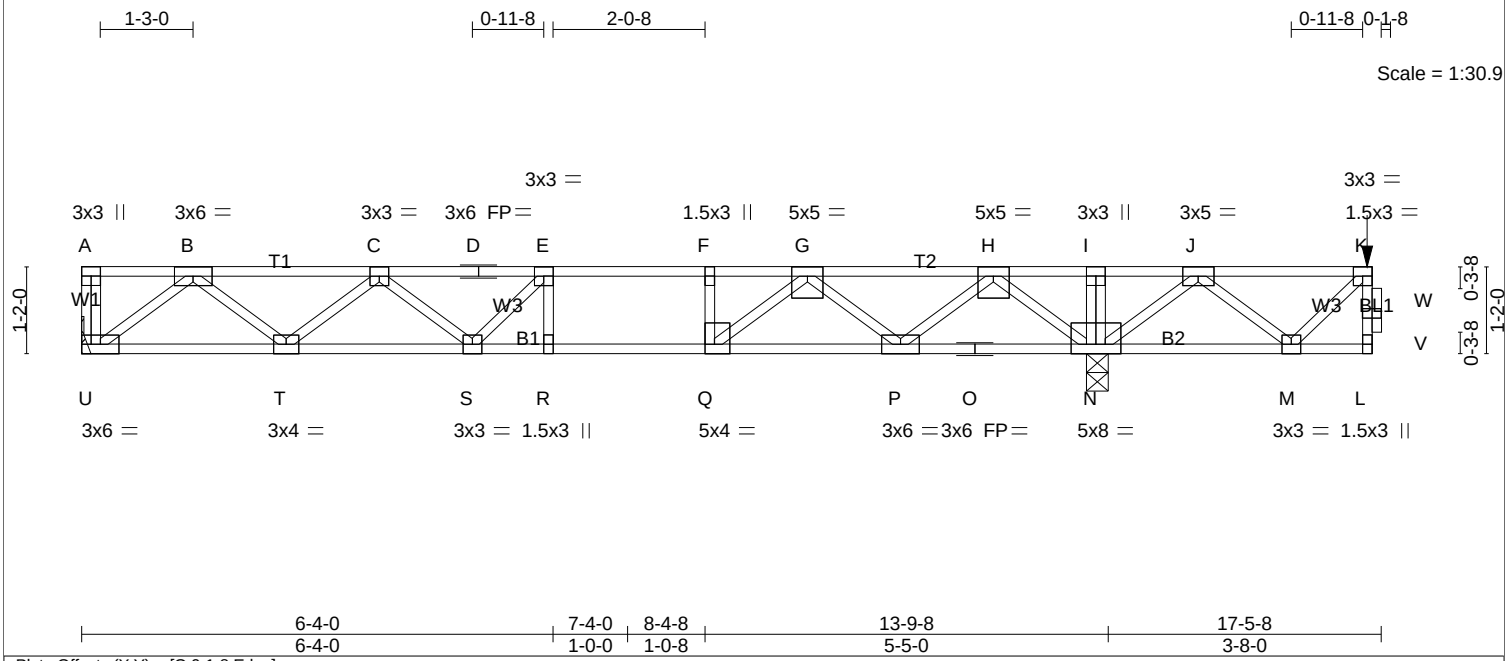

Plate Offsets (X,Y)-- [Q:0-1-8,Edge]

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	0.68	Vert(LL)	-0.13	R-S	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.21	R-S	>775	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.03	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 89 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) U=732/Mechanical, N=1796/0-3-8
Max GravU=822(LC 3), N=1796(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-U=-56/0, L-V=0/7, V-W=0/7, K-W=0/7, A-B=0/0, B-C=-1604/0, C-D=-2359/0, D-E=-2359/0, E-F=-2394/0, F-G=-2394/0, G-H=-1135/862, H-I=0/1847, I-J=0/1847, J-K=0/409
BOT CHORD T-U=0/998, S-T=0/2183, R-S=0/2394, Q-R=0/2394, P-Q=-420/1853, O-P=-1270/436, N-O=-1270/436, M-N=-919/0, L-M=0/0
WEBS E-R=-342/5, F-Q=-456/0, I-N=-104/0, B-U=-1253/0, B-T=0/788, C-T=-754/0, C-S=-137/324, J-N=-1164/0, J-M=0/666, H-N=-1556/0, H-P=0/1032, G-P=-1099/0, G-Q=0/1124, K-M=-585/0, E-S=-260/414

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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: L-U=-10, A-K=-120
Concentrated Loads (lb)
Vert: K=-300

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20063650F	FT4	Floor	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:07:43 2020 Page 1
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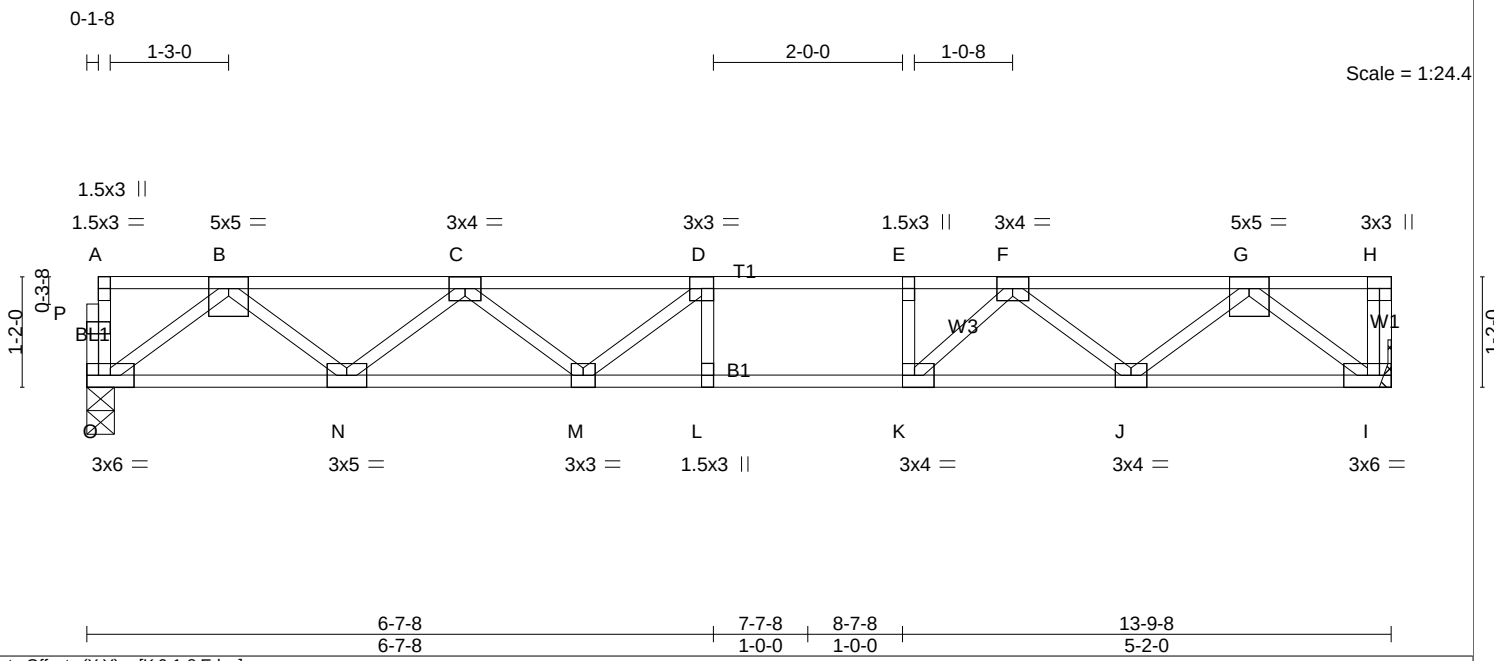

Plate Offsets (X,Y)-- [K:0-1-8,Edge]

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	0.76	Vert(LL)	-0.16	L-M	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.25	L-M	>643	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	I	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 69 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 2-2-0 oc bracing.

REACTIONS. (lb/size) O=873/0-3-8, I=880/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD O-P=-51/0, A-P=-51/0, H-I=-45/0, A-B=-3/0, B-C=-1752/0, C-D=-2644/0, D-E=-2786/0, E-F=-2786/0, F-G=-1728/0, G-H=0/0
BOT CHORD N-O=0/1073, M-N=0/2406, L-M=0/2786, K-L=0/2786, J-K=0/2383, I-J=0/1082
WEBS D-L=-182/42, E-K=-337/0, B-O=-1342/0, B-N=0/884, C-N=-851/0, C-M=0/392, G-I=-1357/0, G-J=0/841, D-M=-399/24, F-J=-853/0, F-K=0/735

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	288 NC2015
20063650F	FT5	Floor	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:07:45 2020 Page 1
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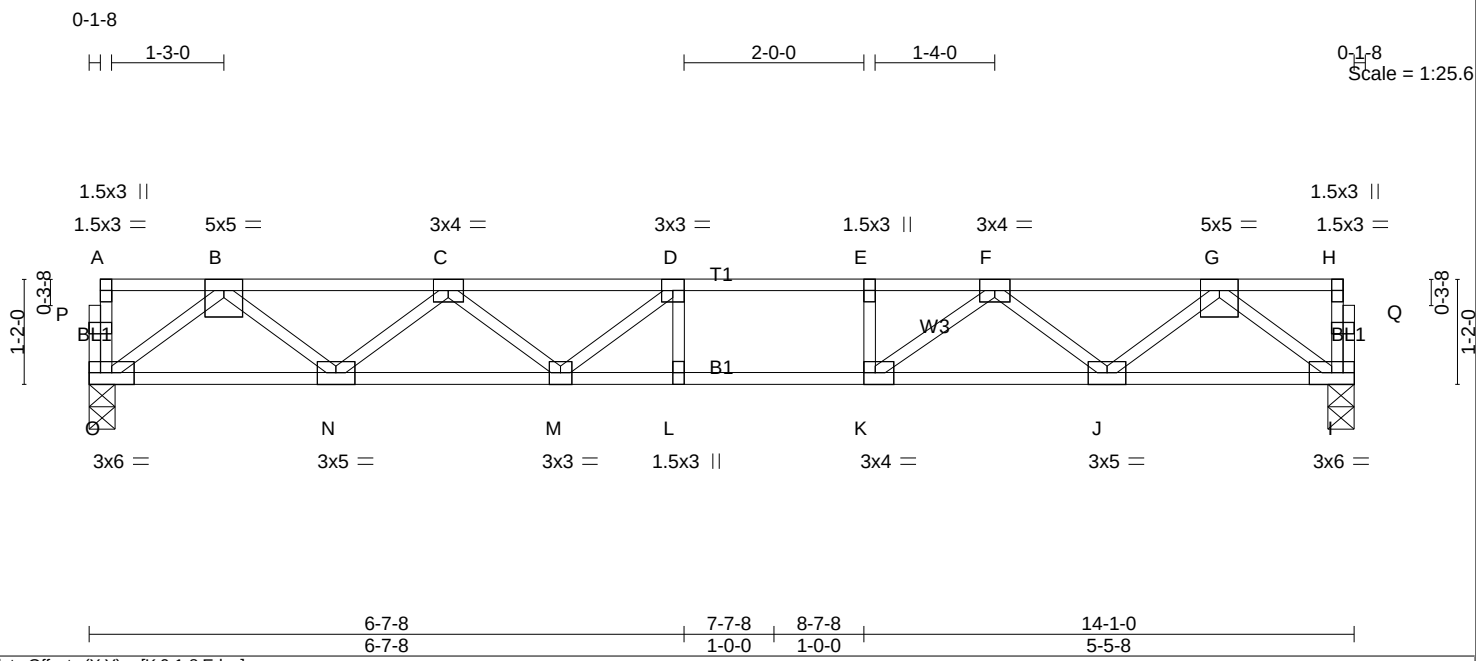

Plate Offsets (X,Y)-- [K:0-1-8,Edge]

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	0.73	Vert(LL)	-0.16	L-M	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.26	L-M	>642	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.04	I	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 70 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, Except:
2-2-0 oc bracing: K-L.

REACTIONS. (lb/size) O=892/0-3-8, I=892/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD O-P=-50/0, A-P=-50/0, I-Q=-41/0, H-Q=-41/0, A-B=-3/0, B-C=-1799/0, C-D=-2737/0, D-E=-2920/0, E-F=-2920/0, F-G=-1778/0, G-H=-2/0
BOT CHORD N-O=0/1098, M-N=0/2473, L-M=0/2920, K-L=0/2920, J-K=0/2446, I-J=0/1107
WEBS D-L=-174/61, E-K=-304/0, B-O=-1374/0, B-N=0/912, C-N=-877/0, C-M=0/422, G-I=-1385/0, G-J=0/874, F-J=-869/0, F-K=0/768, D-M=-447/0

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	288 NC2015
20063650F	FT6	Floor	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

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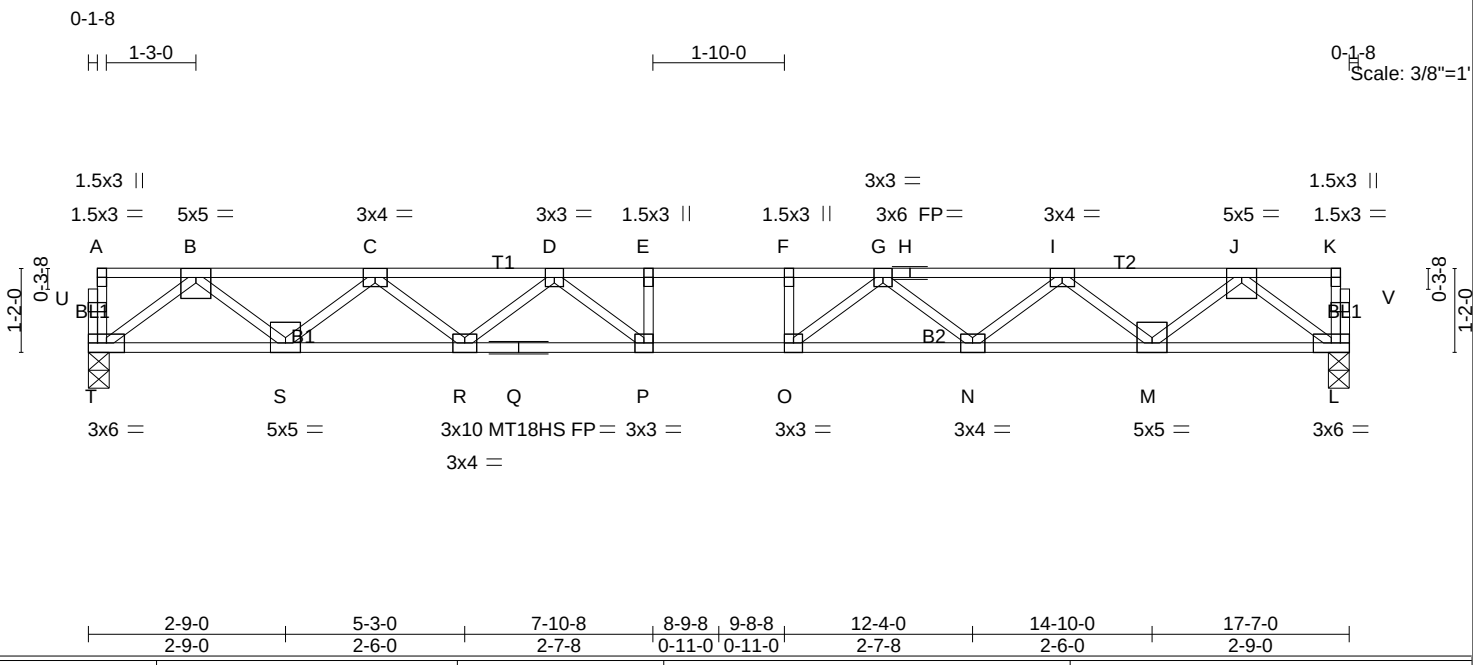

2-9-0	5-3-0	7-10-8	8-9-8	9-8-8	12-4-0	14-10-0	17-7-0
2-9-0	2-6-0	2-7-8	0-11-0	0-11-0	2-7-8	2-6-0	2-9-0

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	0.78	Vert(LL)	-0.28	O-P	>733	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.46	O-P	>451	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.08	L	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 87 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 4-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) T=1119/0-3-8, L=1119/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD T-U=-47/0, A-U=-47/0, L-V=-47/0, K-V=-47/0, A-B=-3/0, B-C=-2369/0, C-D=-3854/0, D-E=-4633/0, E-F=-4633/0, F-G=-4633/0, G-H=-3854/0, H-I=-3854/0, I-J=-2369/0, J-K=-3/0
BOT CHORD S-T=0/1401, R-S=0/3304, Q-R=0/4375, P-Q=0/4375, O-P=0/4633, N-O=0/4375, M-N=0/3304, L-M=0/1401
WEBS J-L=-1754/0, B-T=-1754/0, J-M=0/1260, B-S=0/1260, I-M=-1217/0, C-S=-1217/0, I-N=0/716, C-R=0/716, G-N=-678/0, D-R=-678/0, G-O=-42/657, D-P=-42/657, E-P=-298/0, F-O=-298/0

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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20063650F	FT7	Floor	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:07:53 2020 Page 1
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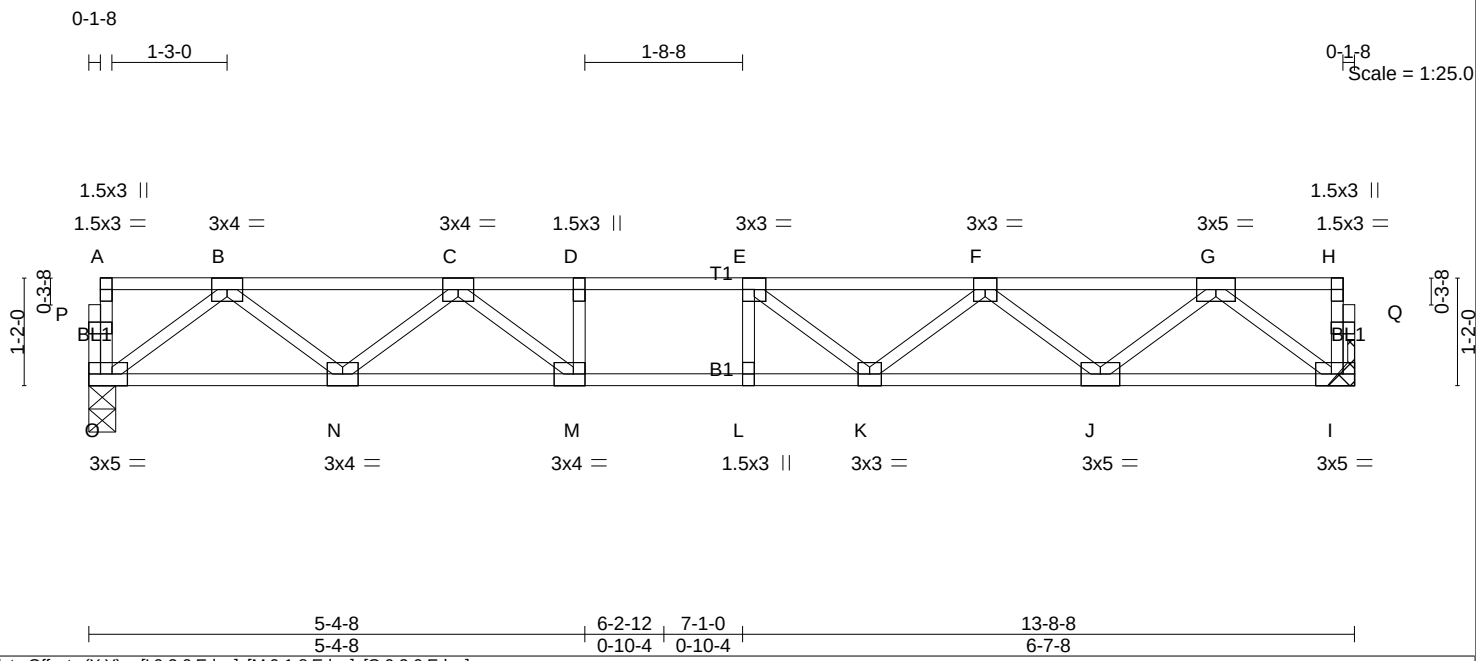

Plate Offsets (X,Y)-- [I:0-2-0,Edge], [M:0-1-8,Edge], [O:0-2-0,Edge]

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)	-0.14	K-L	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.22	K-L	>736	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	I	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 69 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) O=867/0-3-8, I=867/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD O-P=-41/0, A-P=-41/0, I-Q=-50/0, H-Q=-50/0, A-B=-2/0, B-C=-1718/0, C-D=-2768/0, D-E=-2768/0, E-F=-2617/0, F-G=-1738/0, G-H=-3/0
BOT CHORD N-O=0/1074, M-N=0/2358, L-M=0/2768, K-L=0/2768, J-K=0/2384, I-J=0/1066
WEBS G-I=-1334/0, B-O=-1345/0, G-J=0/875, B-N=0/838, F-J=-840/0, C-N=-833/0, F-K=0/381, C-M=0/693, E-K=-395/21, D-M=-274/0, E-L=-173/51

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	288 NC2015
20063650F	FT8	Floor	7	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:07:57 2020 Page 1
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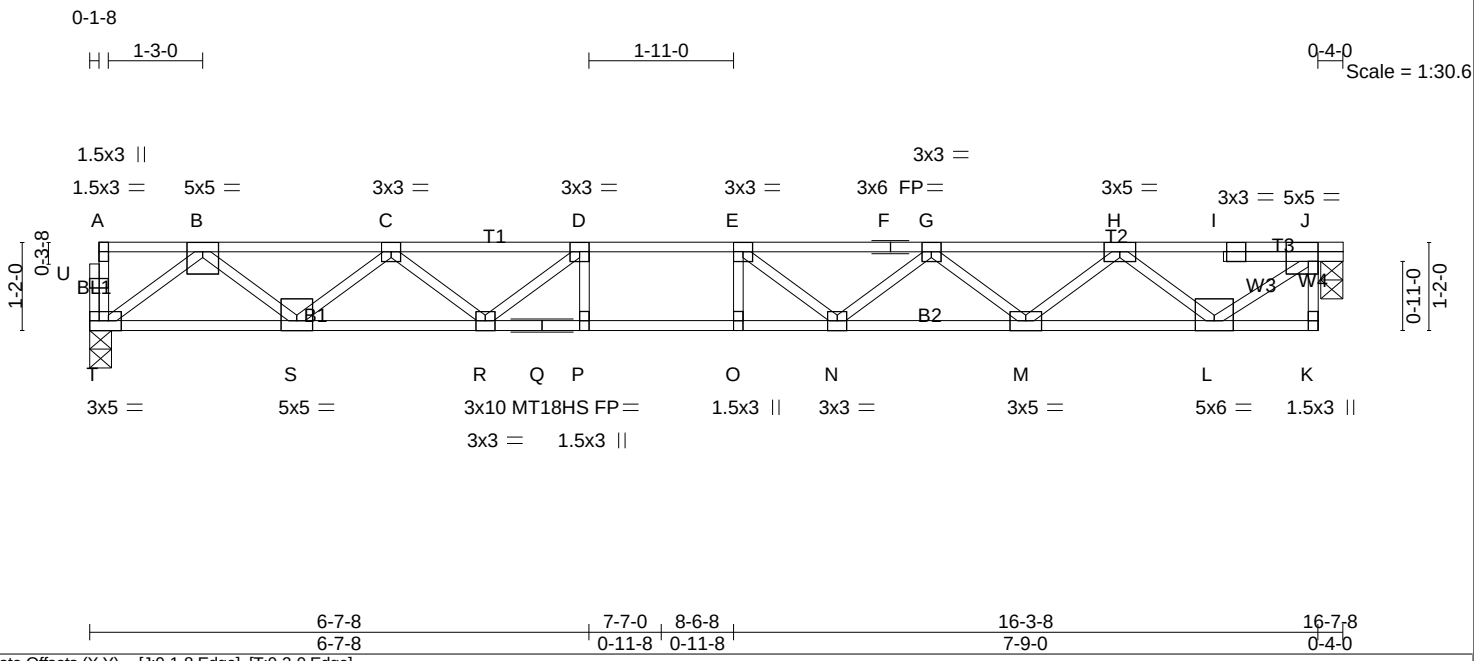

Plate Offsets (X,Y)-- [J:0-1-8,Edge], [T:0-2-0,Edge]

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	0.84	Vert(LL)	-0.22	O	>864	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.36	O	>532	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	-0.01	J	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=1039/0-3-8, J=1047/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD T-U=-48/0, A-U=-47/0, J-K=0/6, A-B=-3/0, B-C=-2169/0, C-D=-3460/0, D-E=-3990/0, E-F=-3803/0, F-G=-3803/0, G-H=-2886/0, H-I=-1179/0, I-J=-1185/0
BOT CHORD S-T=0/1300, R-S=0/2997, Q-R=0/3990, P-Q=0/3990, O-P=0/3990, N-O=0/3990, M-N=0/3542, L-M=0/2206, K-L=0/0
WEBS J-L=0/1471, B-T=-1627/0, H-L=-1337/0, B-S=0/1131, H-M=0/884, C-S=-1078/0, G-M=-854/0, C-R=0/642, G-N=0/447, D-R=-838/0, E-N=-517/66, D-P=-85/258, E-O=-227/117

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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20063650F	FT9	FLOOR	7	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:08:00 2020 Page 1
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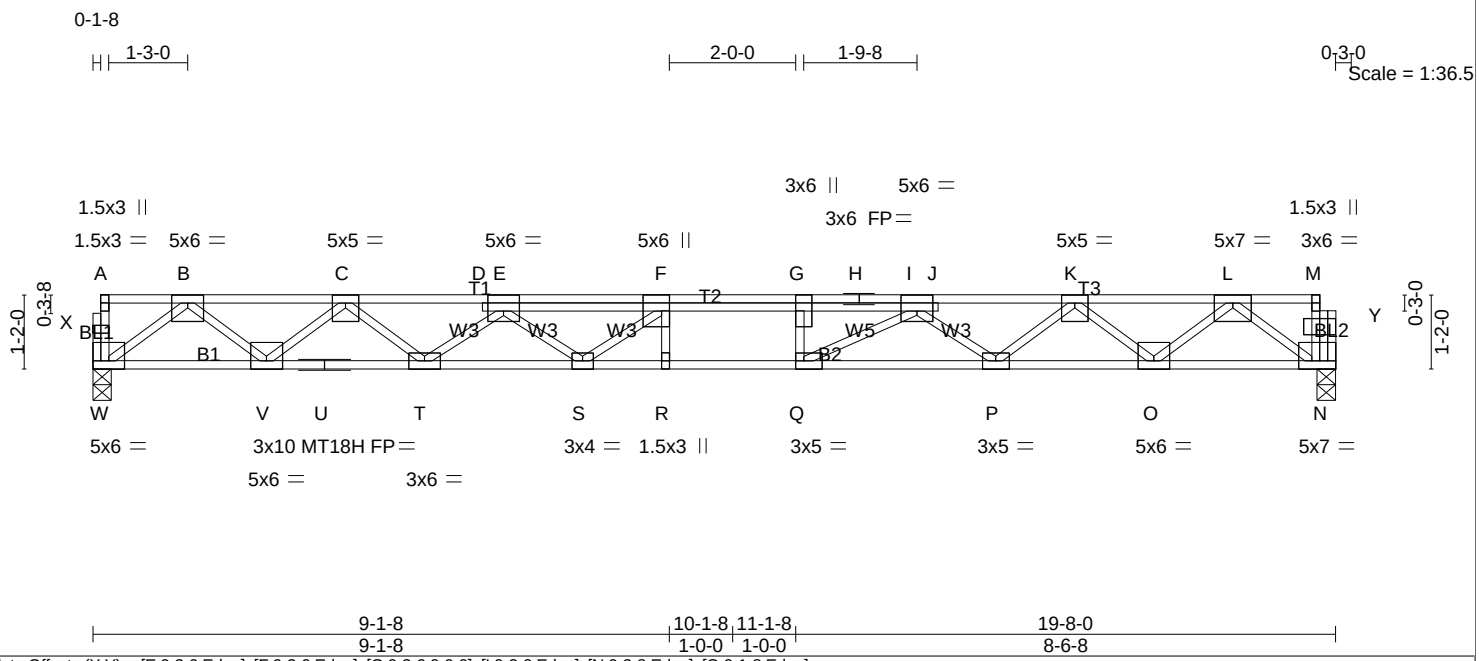

Plate Offsets (X,Y)-- [E:0-3-0,Edge], [F:0-3-0,Edge], [G:0-3-0,0-0-0], [I:0-3-0,Edge], [N:0-2-8,Edge], [Q:0-1-8,Edge]

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	0.47	Vert(LL)	-0.34	R	>691	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.55	Q-R	>425	360	MT18H	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.10	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 107 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 10-0-0 oc bracing.

REACTIONS. (lb/size) W=1250/0-3-8, N=1243/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD W-X=-41/0, A-X=-41/0, N-Y=-43/0, M-Y=-39/0, A-B=-2/0, B-C=-2690/0, C-D=-4531/0, D-E=-4489/0, E-F=-5752/0, F-G=-6142/0, G-H=-6142/0, H-I=-6142/0, I-J=-4512/0, J-K=-4557/0, K-L=-2746/0, L-M=-5/0
BOT CHORD V-W=0/1582, U-V=0/3763, T-U=0/3763, S-T=0/5326, R-S=0/6142, Q-R=0/6142, P-Q=0/5321, O-P=0/3815, N-O=0/1642
WEBS F-R=-74/56, G-Q=-486/0, B-W=-1981/0, B-V=0/1442, C-V=-1396/0, C-T=0/1000, E-T=-1010/0, E-S=0/705, F-S=-729/0, L-N=-2021/0, L-O=0/1437, K-O=-1392/0, K-P=0/966, I-P=-970/0, I-Q=0/1218

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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20063650F	KW1	Floor Supported Gable	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:08:03 2020 Page 1
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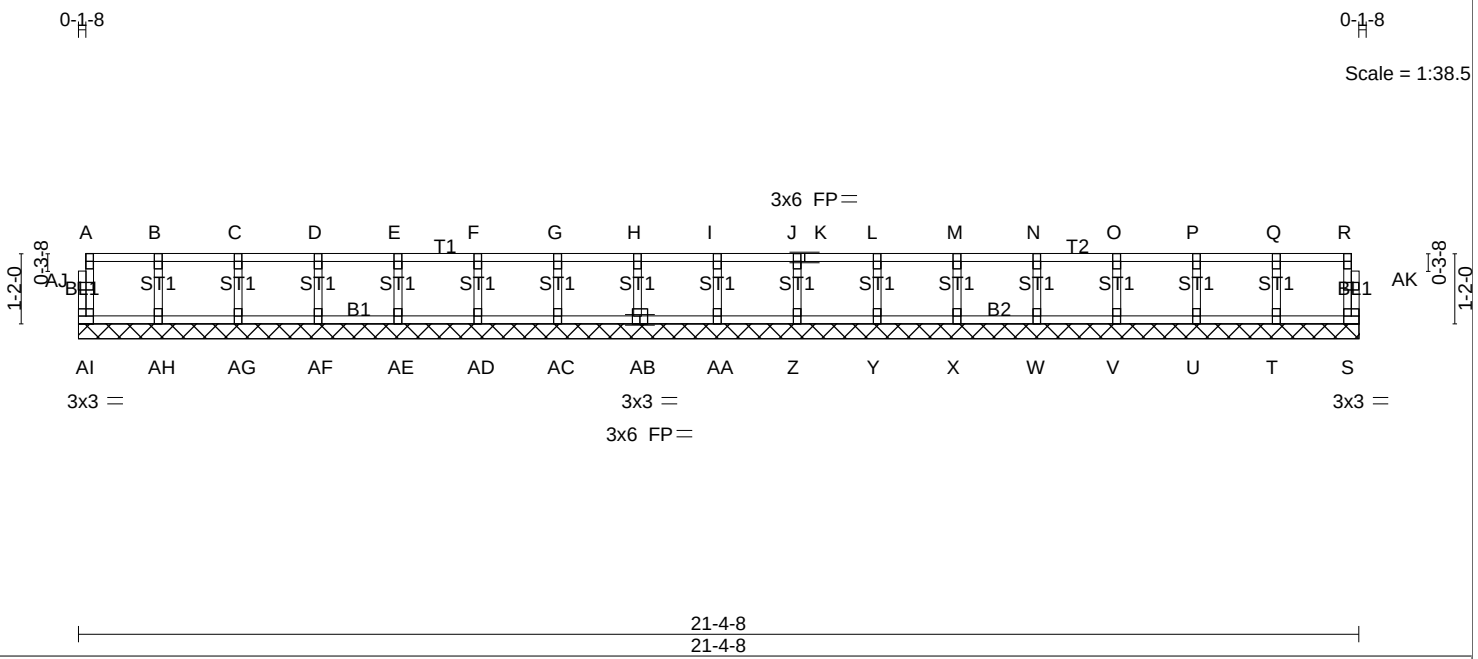

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	S	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 89 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) AI=70/21-4-8, S=66/21-4-8, AH=164/21-4-8, AG=176/21-4-8, AF=173/21-4-8, AE=174/21-4-8, AD=173/21-4-8, AC=174/21-4-8, AB=173/21-4-8, AA=173/21-4-8, Z=173/21-4-8, Y=173/21-4-8, X=173/21-4-8, W=173/21-4-8, V=173/21-4-8, U=173/21-4-8, T=177/21-4-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AI-AJ=-63/0, A-AJ=-62/0, S-AK=-62/0, R-AK=-61/0, A-B=-15/0, B-C=-15/0, C-D=-15/0, D-E=-15/0, E-F=-15/0, F-G=-15/0, G-H=-15/0, H-I=-9/0, I-J=-9/0, J-K=-9/0, K-L=-9/0, L-M=-9/0, M-N=-9/0, N-O=-9/0, O-P=-9/0, P-Q=-9/0, Q-R=-9/0
BOT CHORD AH-AI=0/15, AG-AH=0/15, AF-AG=0/15, AE-AF=0/15, AD-AE=0/15, AC-AD=0/15, AB-AC=0/15, AA-AB=0/9, Z-AA=0/9, Y-Z=0/9, X-Y=0/9, W-X=0/9, V-W=0/9, U-V=0/9, T-U=0/9, S-T=0/9
WEBS B-AH=-154/0, C-AG=-162/0, D-AF=-160/0, E-AE=-160/0, F-AD=-160/0, G-AC=-160/0, H-AB=-160/0, I-AA=-160/0, J-Z=-160/0, L-Y=-160/0, M-X=-160/0, N-W=-160/0, O-V=-160/0, P-U=-160/0, Q-T=-161/0

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	288 NC2015
20063650F	KW2	Floor Supported Gable	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

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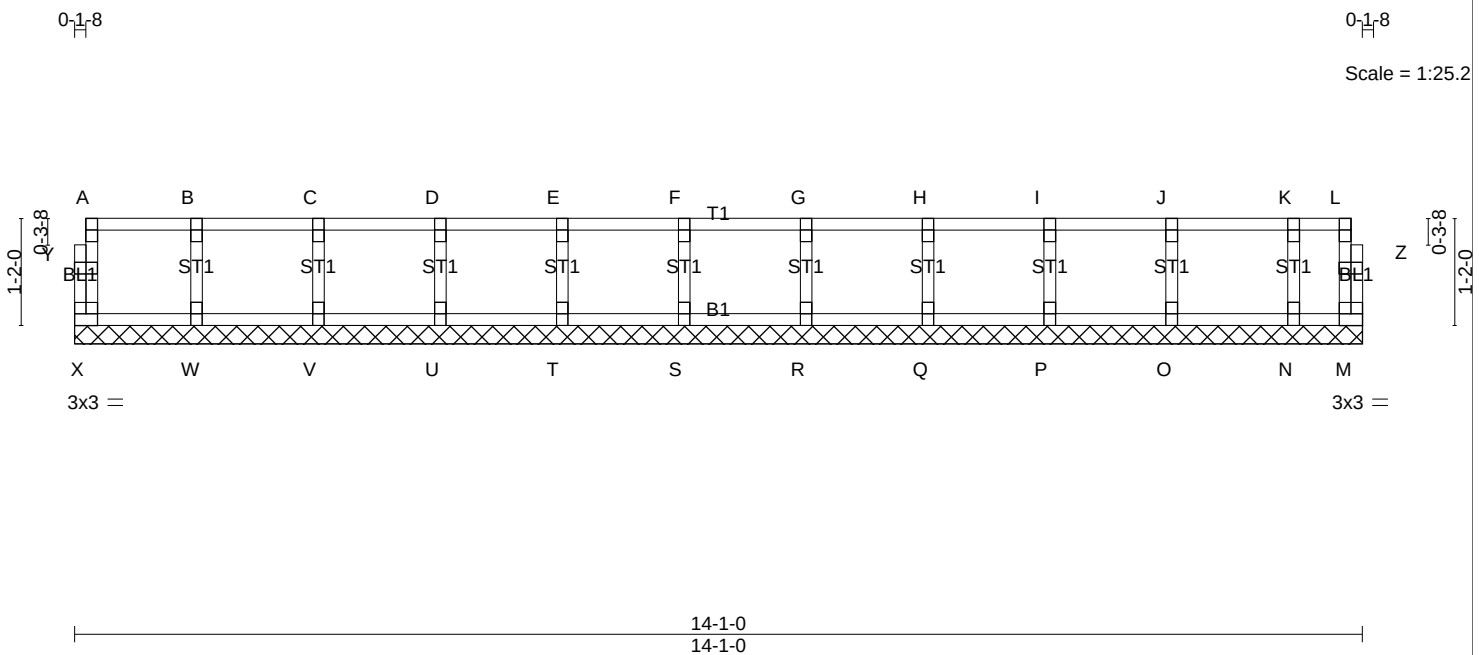

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	M	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 60 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) X=62/14-1-0, M=25/14-1-0, W=174/14-1-0, V=173/14-1-0, U=173/14-1-0, T=173/14-1-0, S=173/14-1-0, R=173/14-1-0, Q=174/14-1-0, P=171/14-1-0, O=181/14-1-0, N=129/14-1-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD X-Y=-59/0, A-Y=-58/0, M-Z=-17/0, L-Z=-17/0, 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
BOT CHORD W-X=0/7, V-W=0/7, U-V=0/7, T-U=0/7, S-T=0/7, R-S=0/7, Q-R=0/7, P-Q=0/7, O-P=0/7, N-O=0/7, M-N=0/7
WEBS B-W=-159/0, C-V=-161/0, D-U=-160/0, E-T=-160/0, F-S=-160/0, G-R=-160/0, H-Q=-160/0, I-P=-158/0, J-O=-166/0, K-N=-126/0

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	288 NC2015
20063650F	KW3	Floor Supported Gable	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:08:07 2020 Page 1
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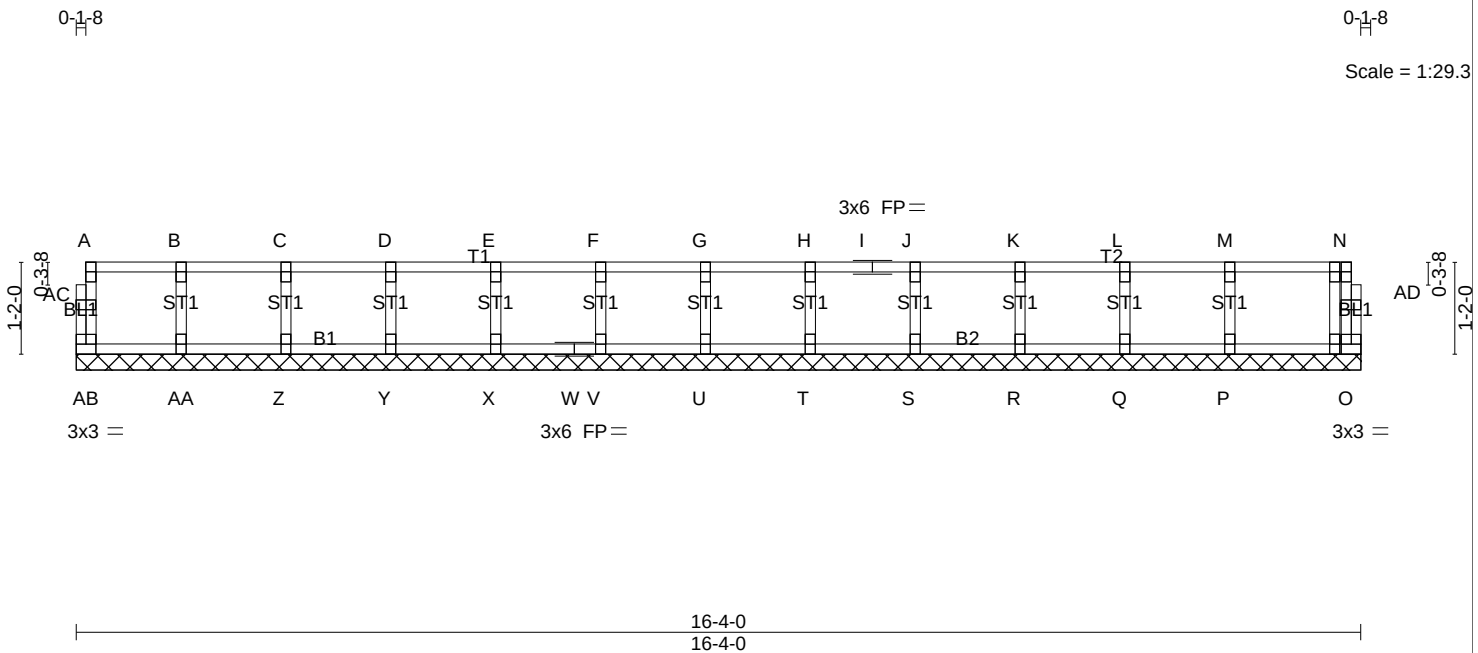

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	O	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 70 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) AB=72/16-4-0, O=88/16-4-0, AA=162/16-4-0, Z=176/16-4-0, Y=173/16-4-0, X=174/16-4-0, V=173/16-4-0, U=173/16-4-0, T=173/16-4-0, S=173/16-4-0, R=175/16-4-0, Q=167/16-4-0, P=197/16-4-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AB-AC=-64/0, A-AC=-63/0, O-AD=-83/0, N-AD=-82/0, A-B=-17/0, B-C=-17/0, C-D=-17/0, D-E=-17/0, E-F=-17/0, F-G=-17/0, G-H=-17/0, H-I=-17/0, I-J=-17/0, J-K=-17/0, K-L=-17/0, L-M=-17/0, M-N=-17/0
BOT CHORD AA-AB=0/17, Z-AA=0/17, Y-Z=0/17, X-Y=0/17, W-X=0/17, V-W=0/17, U-V=0/17, T-U=0/17, S-T=0/17, R-S=0/17, Q-R=0/17, P-Q=0/17, O-P=0/17
WEBS B-AA=-153/0, C-Z=-162/0, D-Y=-159/0, E-X=-160/0, F-V=-160/0, G-U=-160/0, H-T=-160/0, J-S=-160/0, K-R=-161/0, L-Q=-154/0, M-P=-180/0

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	288 NC2015
20063650F	KW5	Floor Supported Gable	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 14:08:10 2020 Page 1
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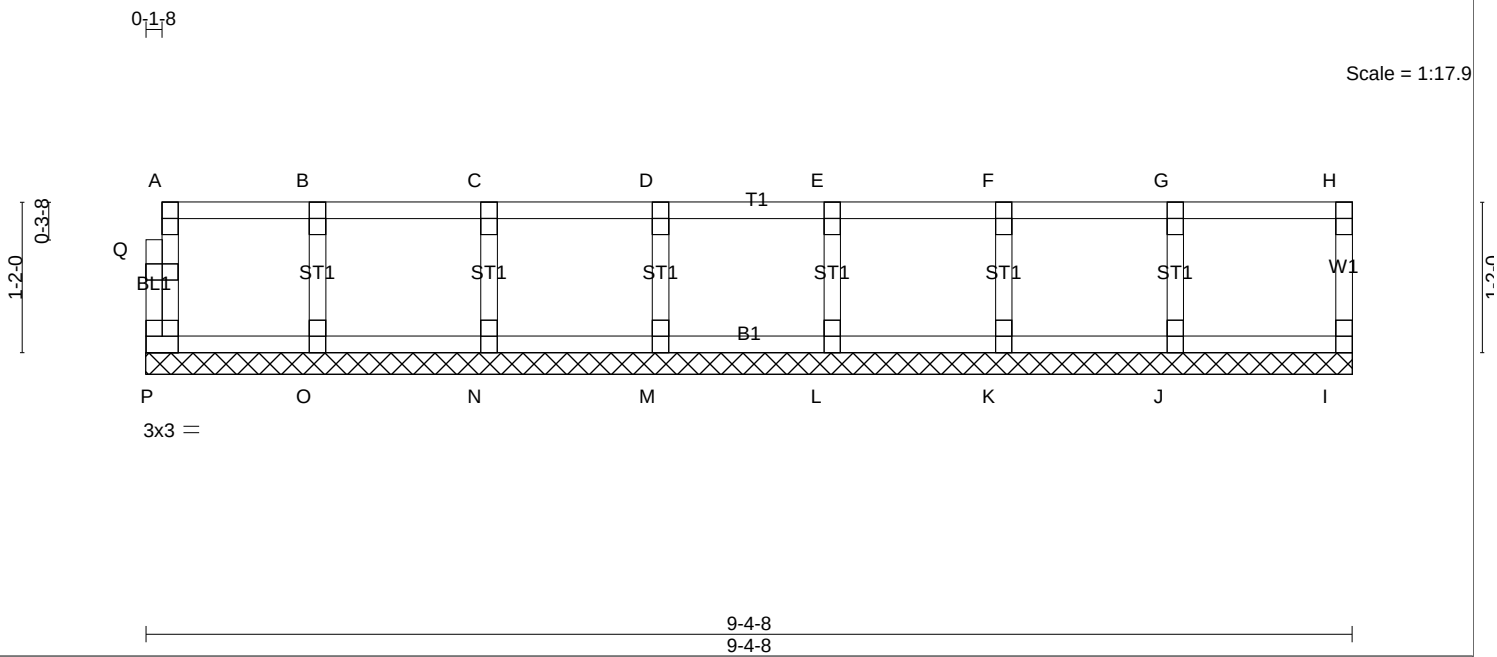

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	I	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 40 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) P=67/9-4-8, I=79/9-4-8, O=169/9-4-8, N=175/9-4-8, M=173/9-4-8, L=174/9-4-8, K=172/9-4-8, J=179/9-4-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD P-Q=-61/0, A-Q=-61/0, H-I=-71/0, A-B=-12/0, B-C=-12/0, C-D=-12/0, D-E=-12/0, E-F=-12/0, F-G=-12/0, G-H=-12/0
BOT CHORD O-P=0/12, N-O=0/12, M-N=0/12, L-M=0/12, K-L=0/12, J-K=0/12, I-J=0/12
WEBS B-O=-156/0, C-N=-161/0, D-M=-160/0, E-L=-161/0, F-K=-158/0, G-J=-168/0

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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard