Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT1	Floor	4	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:05 2020 Page 1
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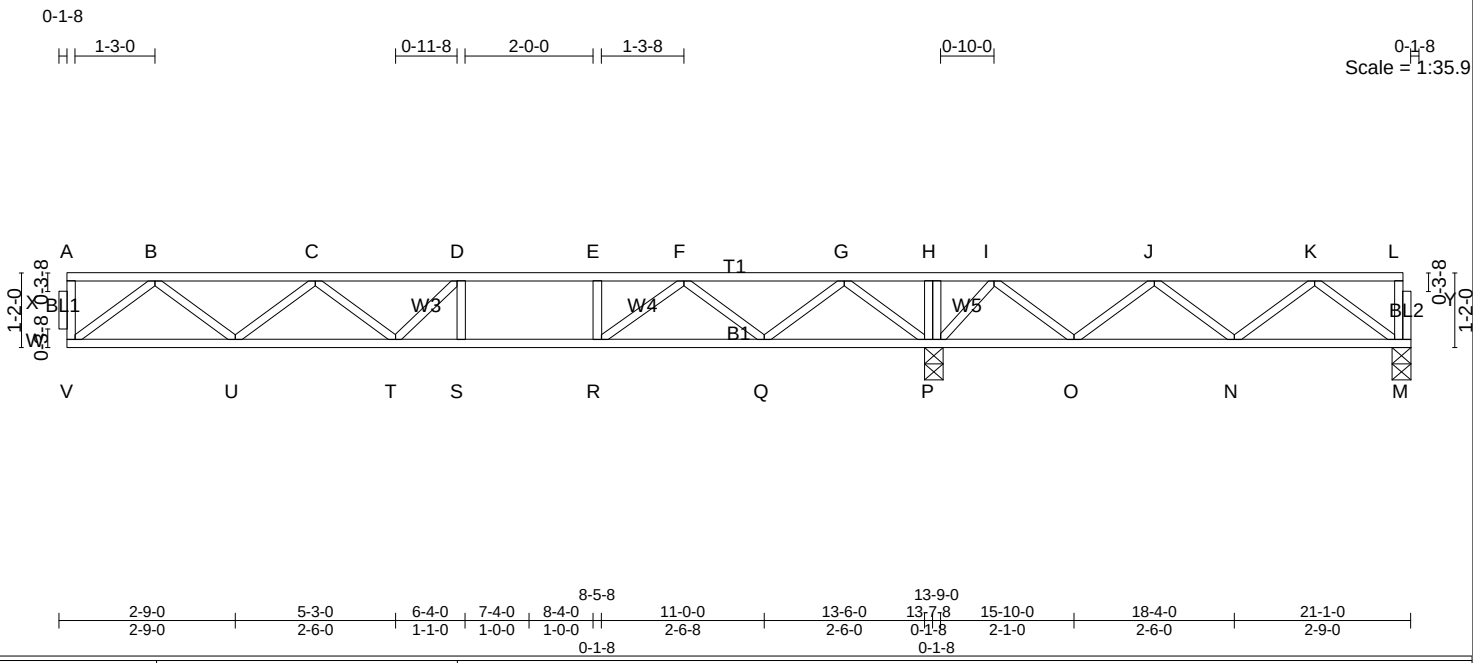

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BCLL	0.0
BCDL	5.0

SPACING- 2-0-0
Plate Grip DOL
Lumber DOL
Rep Stress Incr YES
Code IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT3	Floor	5	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:06 2020 Page 1

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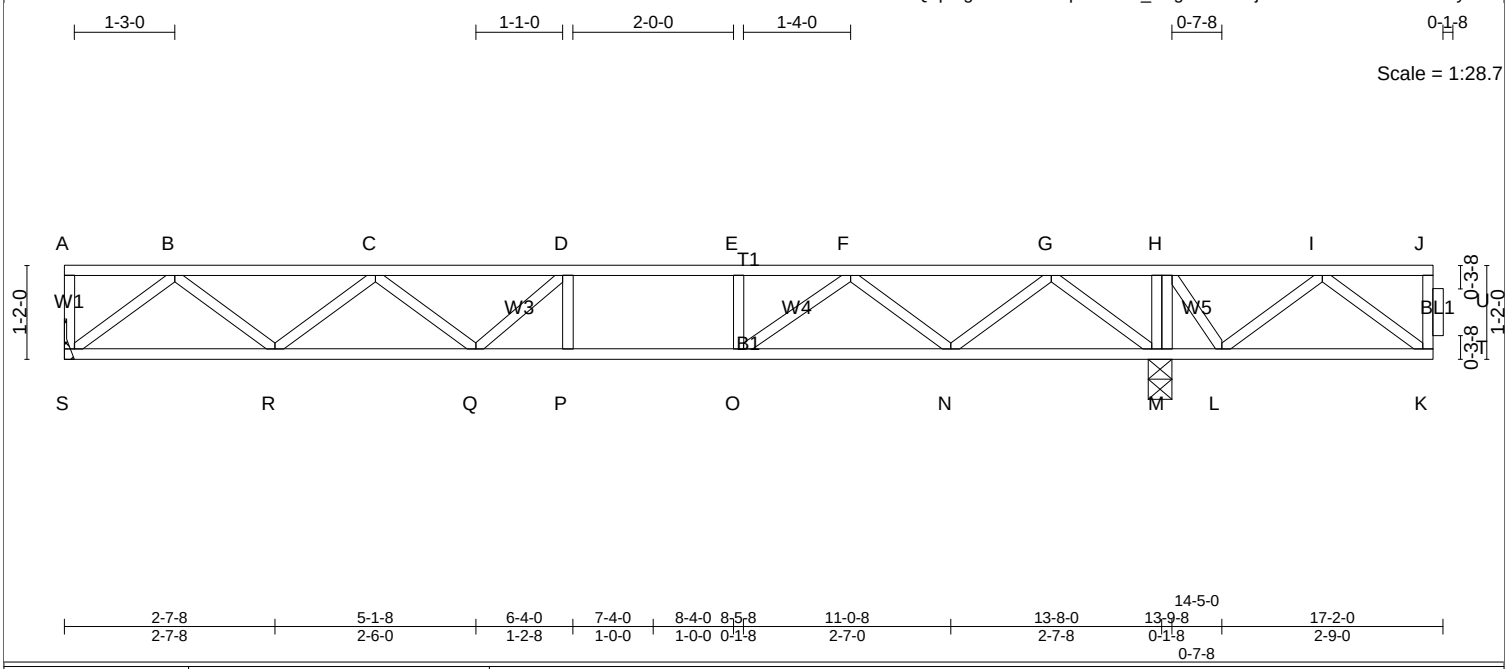

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT4	Floor	3	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:07 2020 Page 1
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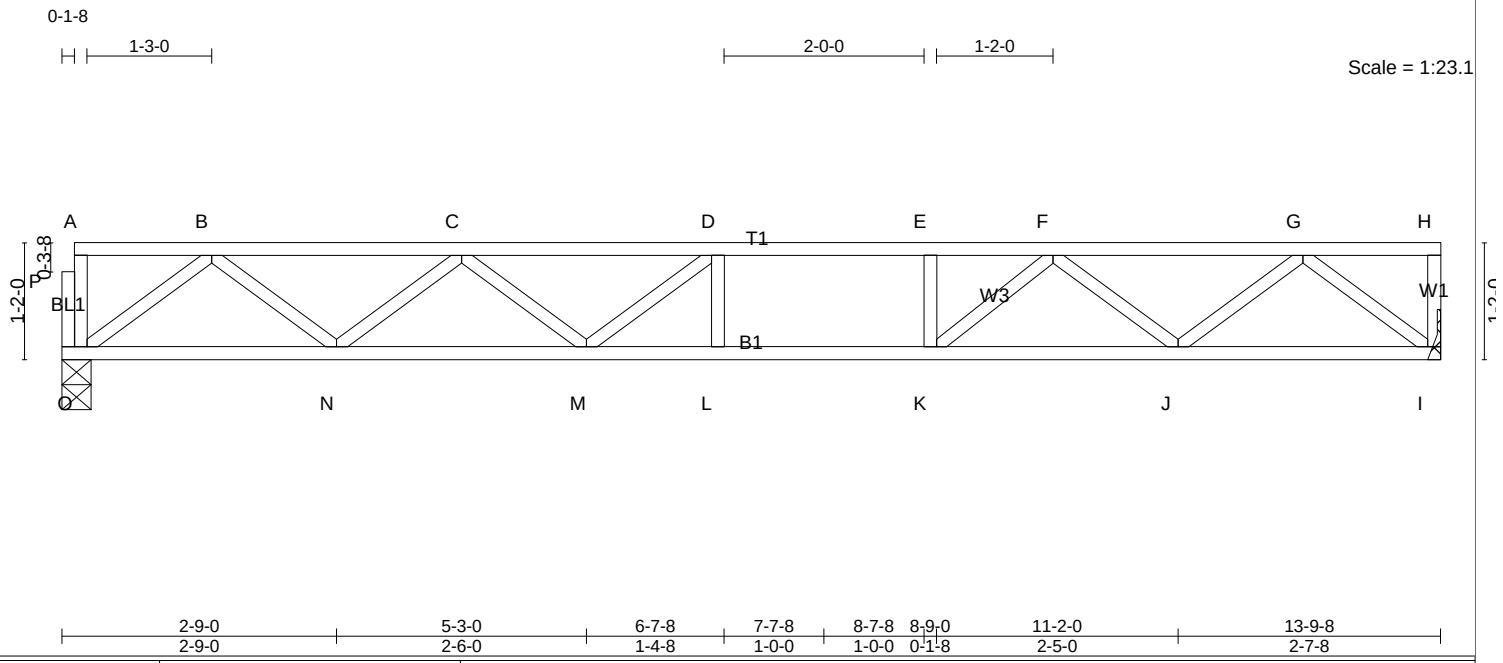

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT5	Floor	5	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:08 2020 Page 1

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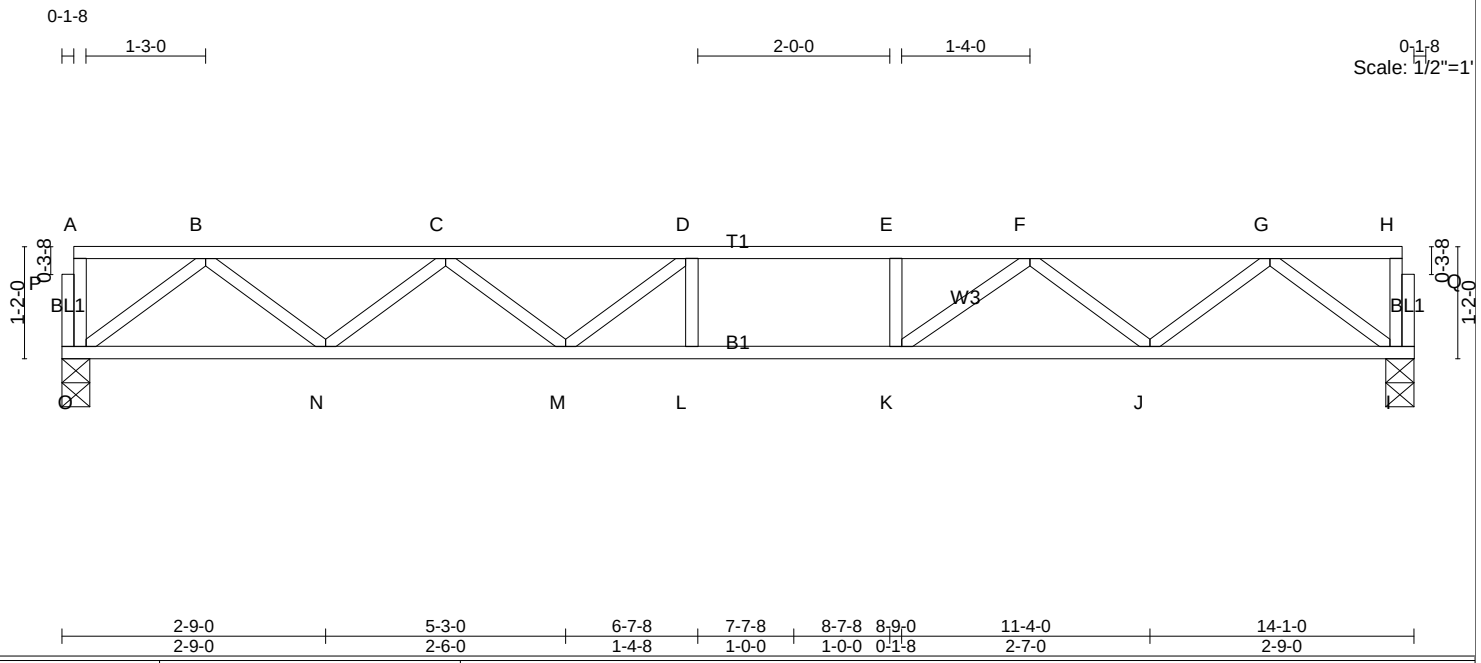

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code IRC2015/TPI2014	

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT6	Floor	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:08 2020 Page 1
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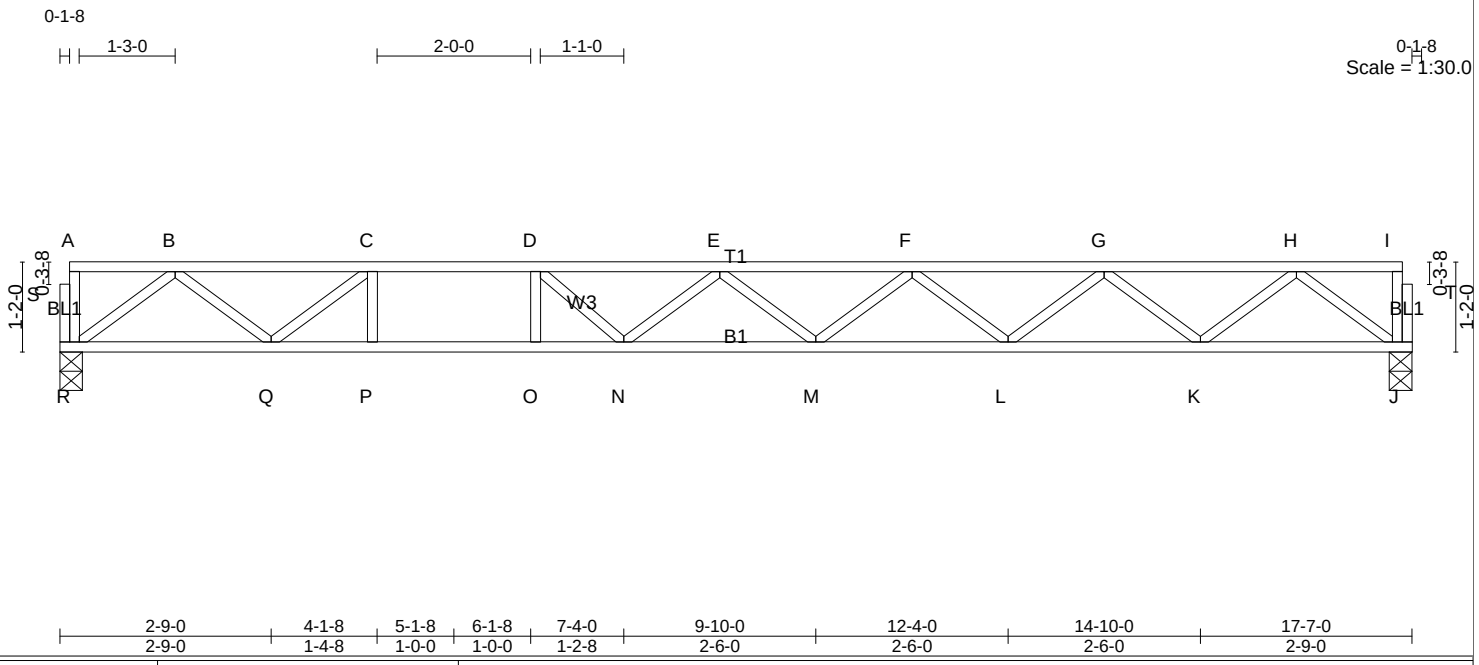

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT7	Floor	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:09 2020 Page 1

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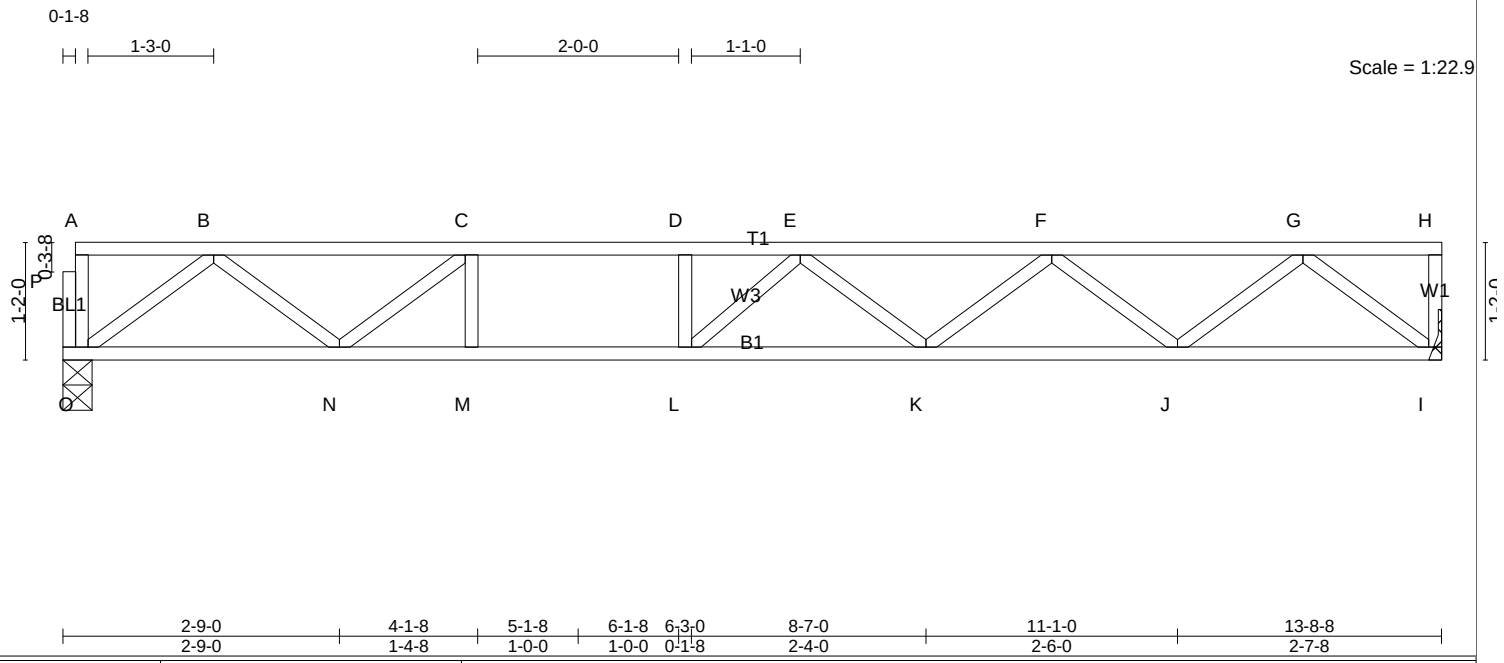

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT8	Floor	7	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:10 2020 Page 1
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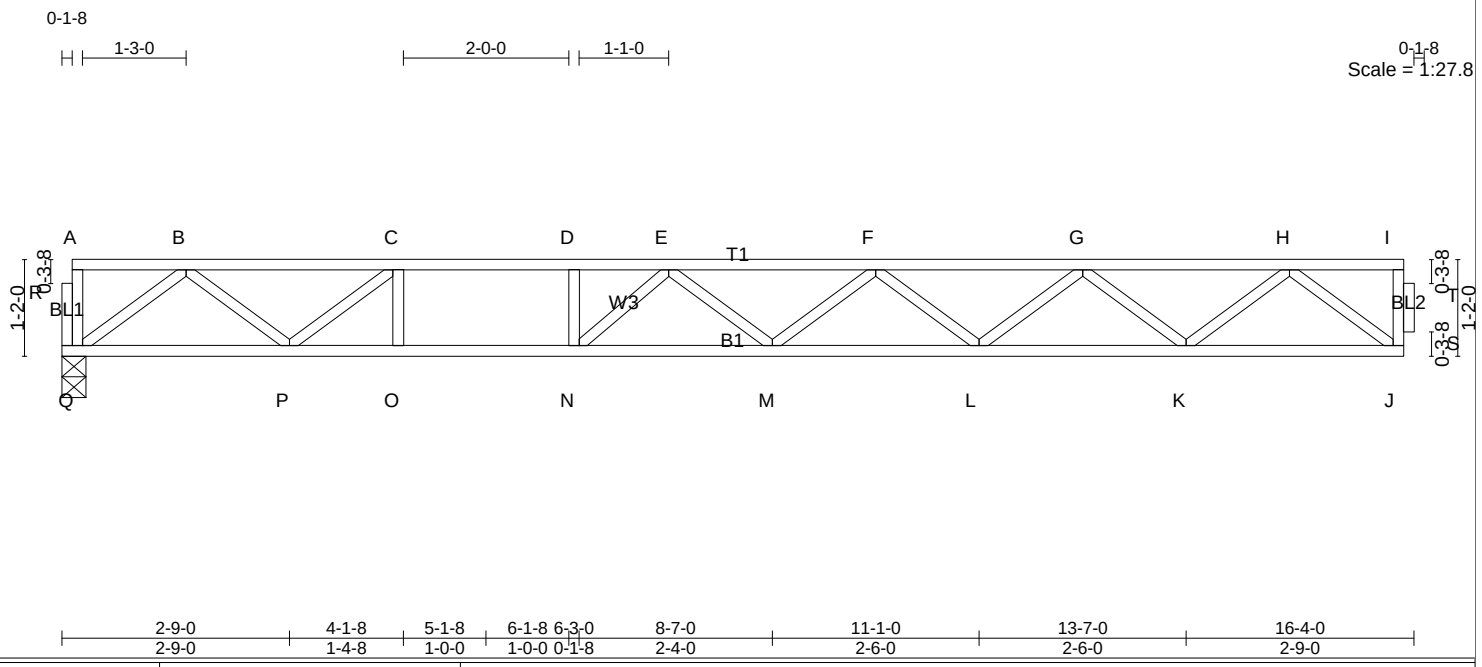

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT9	Floor	7	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:11 2020 Page 1
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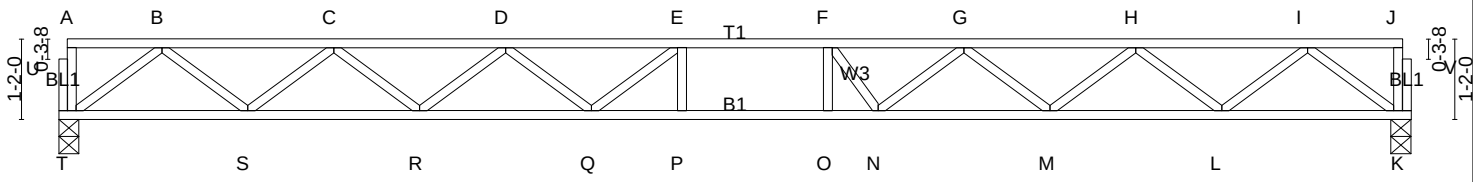

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2-9-0	2-6-0	2-6-0	1-4-8	1-0-0	1-0-0	0-9-8	2-6-0	2-6-0	2-9-0

LOADING (psf)		**SPACING-**	2-0-0
TCLL	40.0	Plate Grip DOL	
TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	KW1	Floor Supported Gable	1	1	Job Reference (optional)

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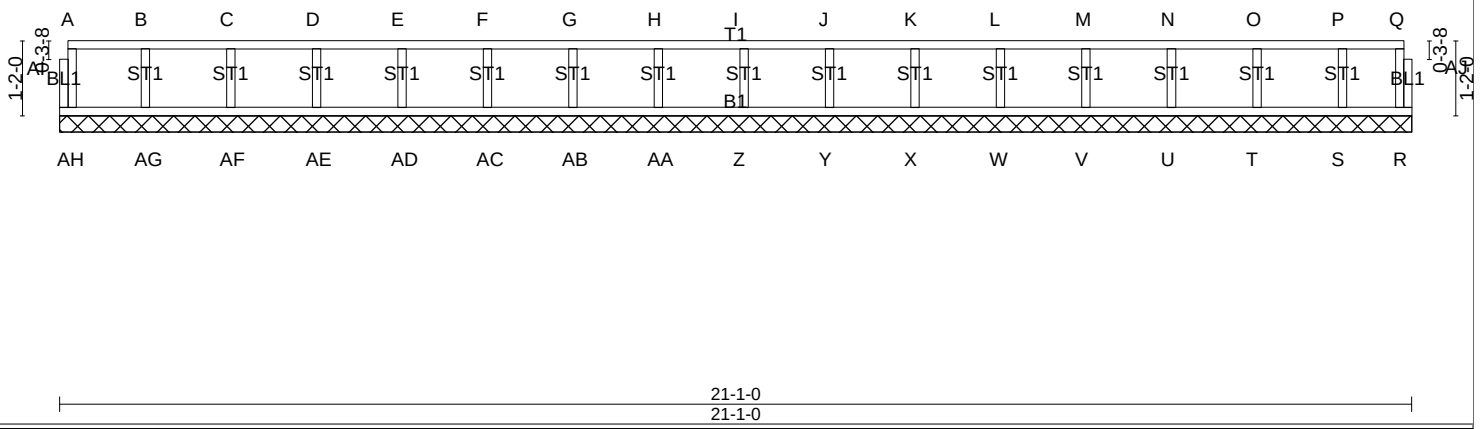

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21-1-0

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	KW2	Floor Supported Gable	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:13 2020 Page 1
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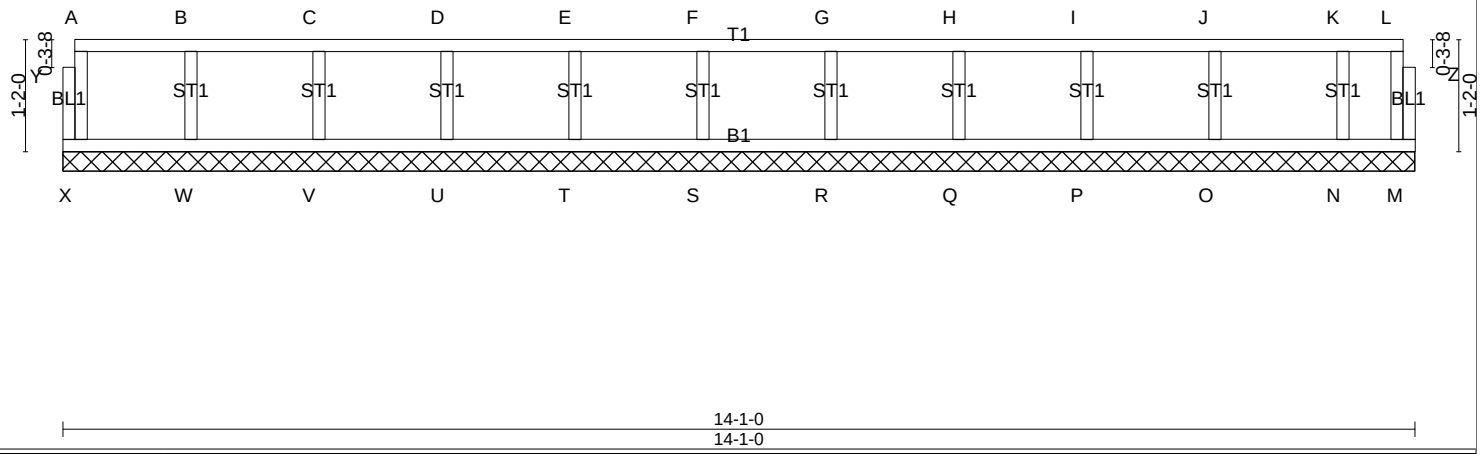

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code IRC2015/TPI2014	

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	KW3	Floor Supported Gable	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:14 2020 Page 1
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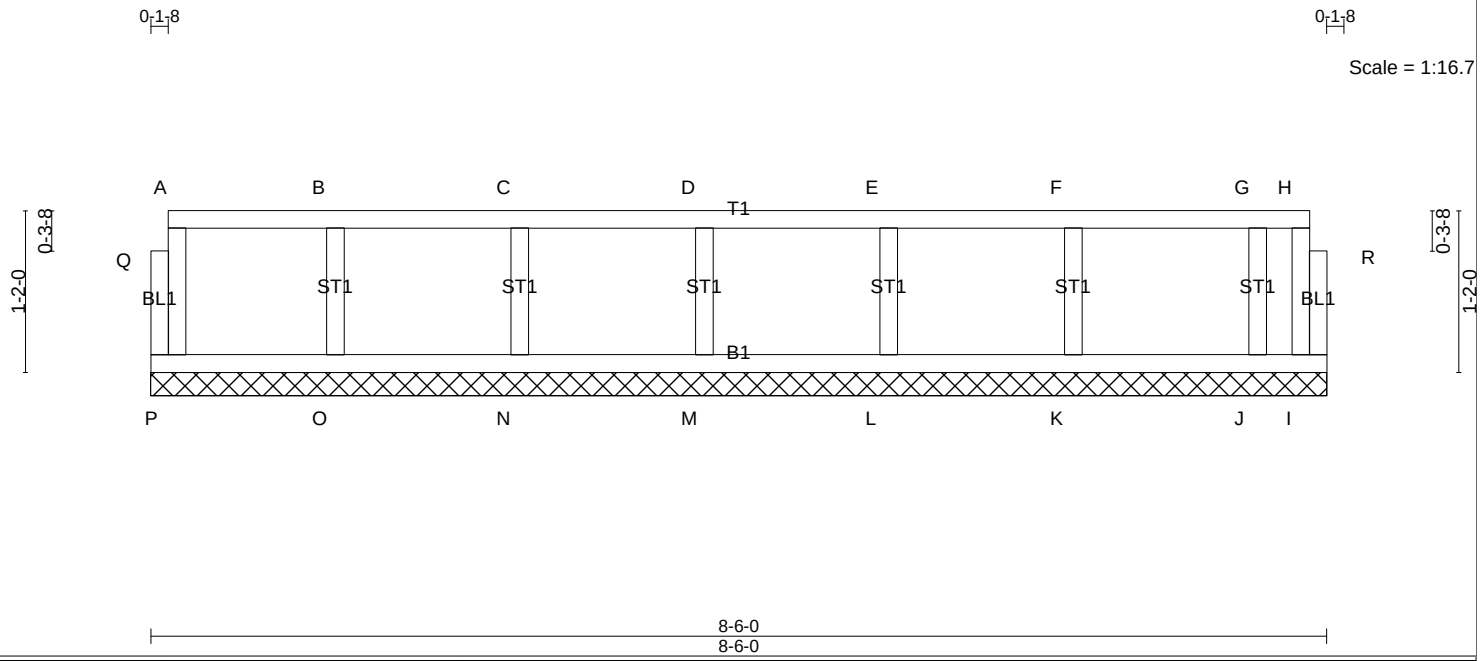

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code IRC2015/TPI2014	

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	KW5	Floor Supported Gable	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:14 2020 Page 1
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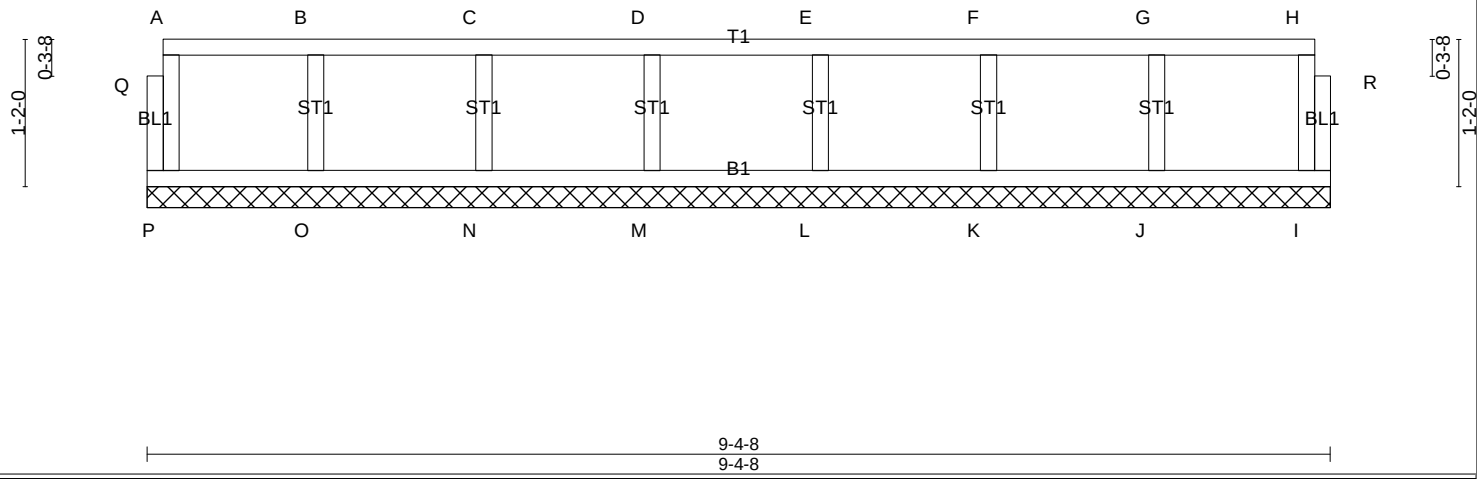

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TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	YES
BCDL	5.0	Code IRC2015/TPI2014	

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FG2	Floor Girder	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:15 2020 Page 1
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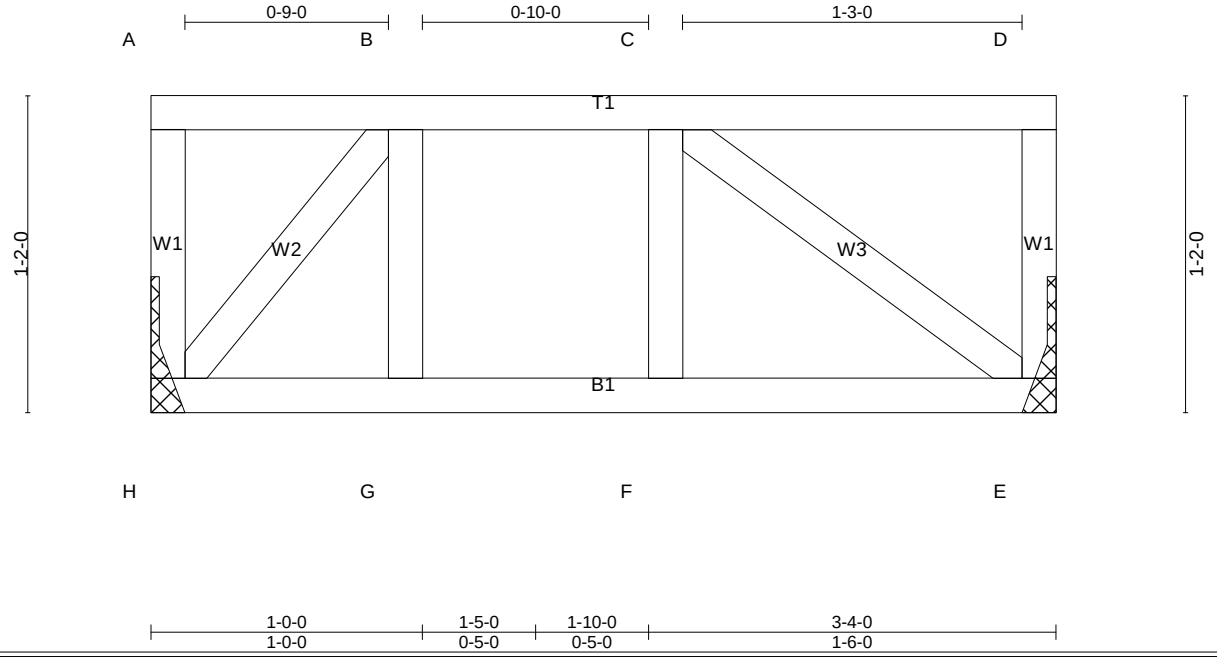

LOADING (psf)		**SPACING-**	2-0-0
TCLL	40.0	Plate Grip DOL	
TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	NO
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FG1	Floor Girder	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 11:28:16 2020 Page 1
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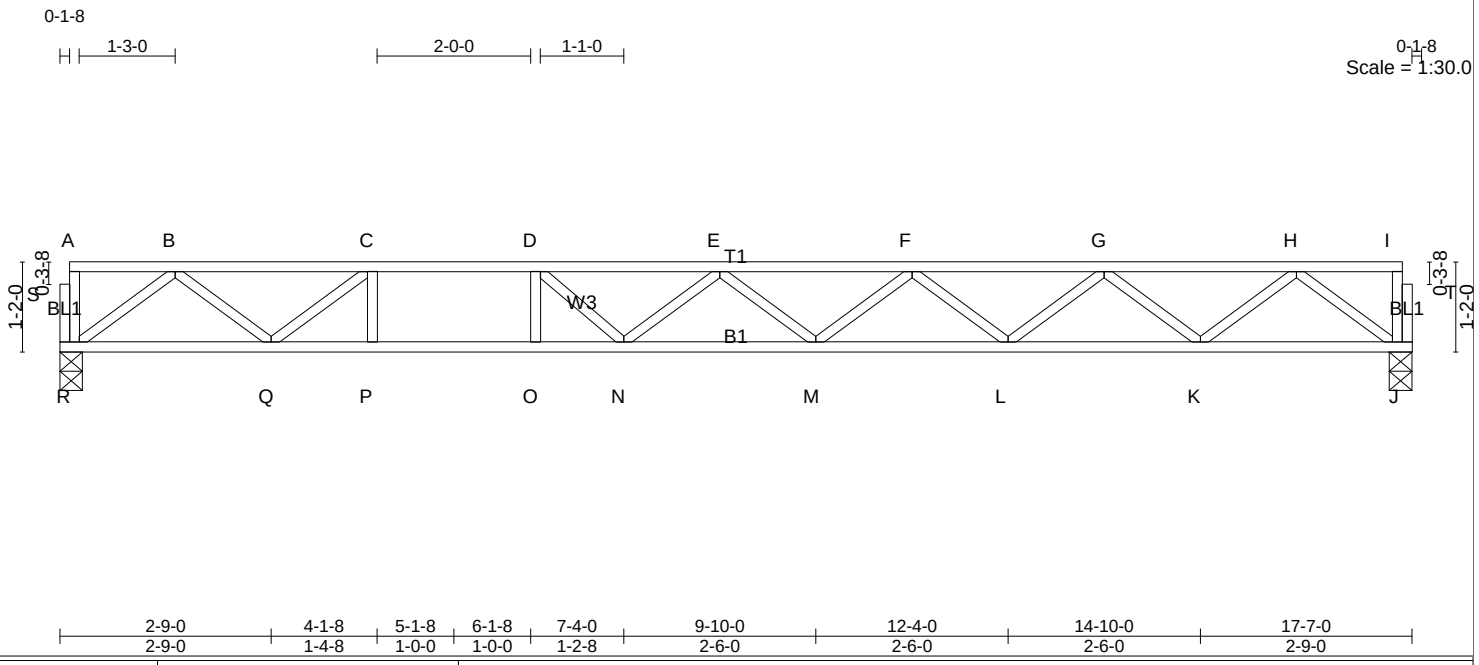

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TCLL	40.0	Plate Grip DOL	
TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	NO
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FC1	Floor	7	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:50:14 2020 Page 1
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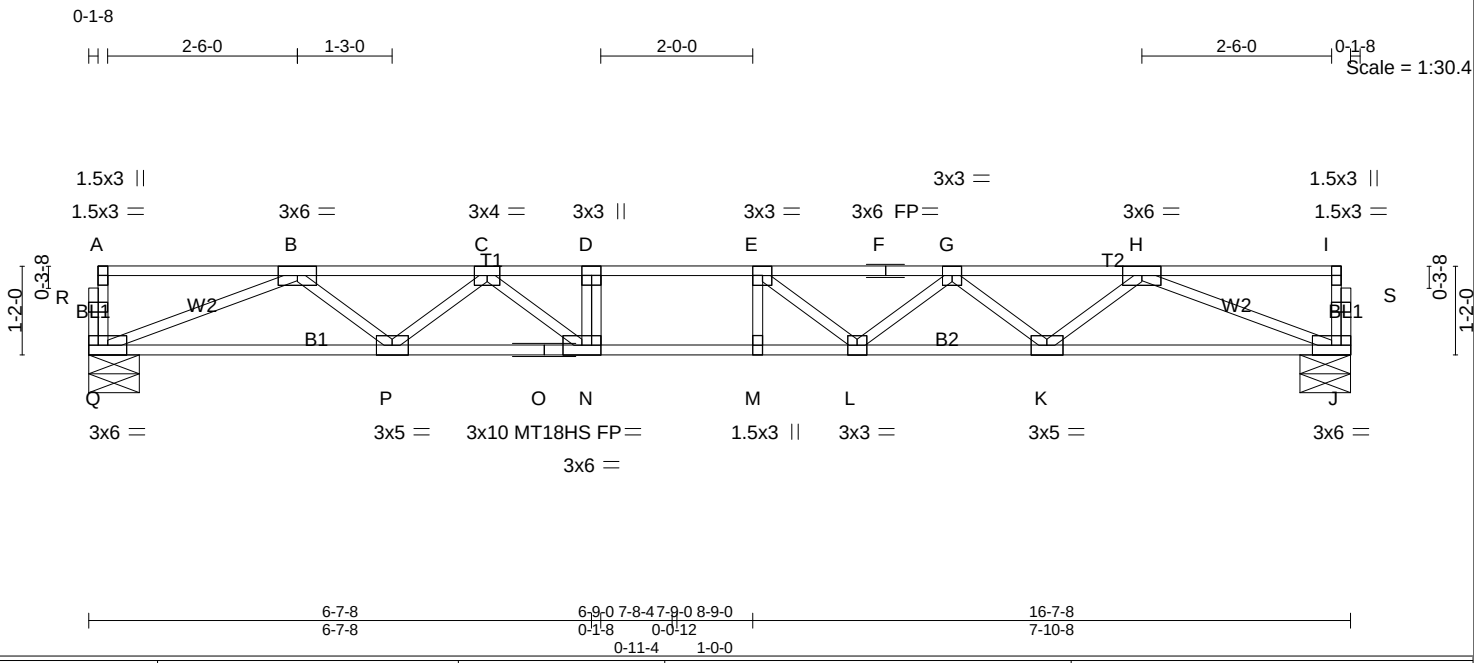

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.97	Vert(LL)	-0.26	M	>744	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.43	M	>459	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.06	J	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 82 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) Q=1057/0-8-0 (min. 0-1-8), J=1057/0-8-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Q-R=-124/0, A-R=-124/0, J-S=-128/0, I-S=-128/0, A-B=-7/0, B-C=-2972/0, C-D=-4110/0, D-E=-4110/0, E-F=-3921/0, F-G=-3921/0, G-H=-2994/0, H-I=-8/0
BOT CHORD P-Q=0/2306, O-P=0/3626, N-O=0/3626, M-N=0/4110, L-M=0/4110, K-L=0/3651, J-K=0/2301
WEBS B-Q=-2472/0, B-P=0/868, C-P=-851/0, C-N=0/839, D-N=-327/0, H-J=-2467/0, H-K=0/903, G-K=-854/0, G-L=0/467, E-L=-531/62, E-M=-212/95

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
20083567CS	FC2	Floor	9	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:50:19 2020 Page 1
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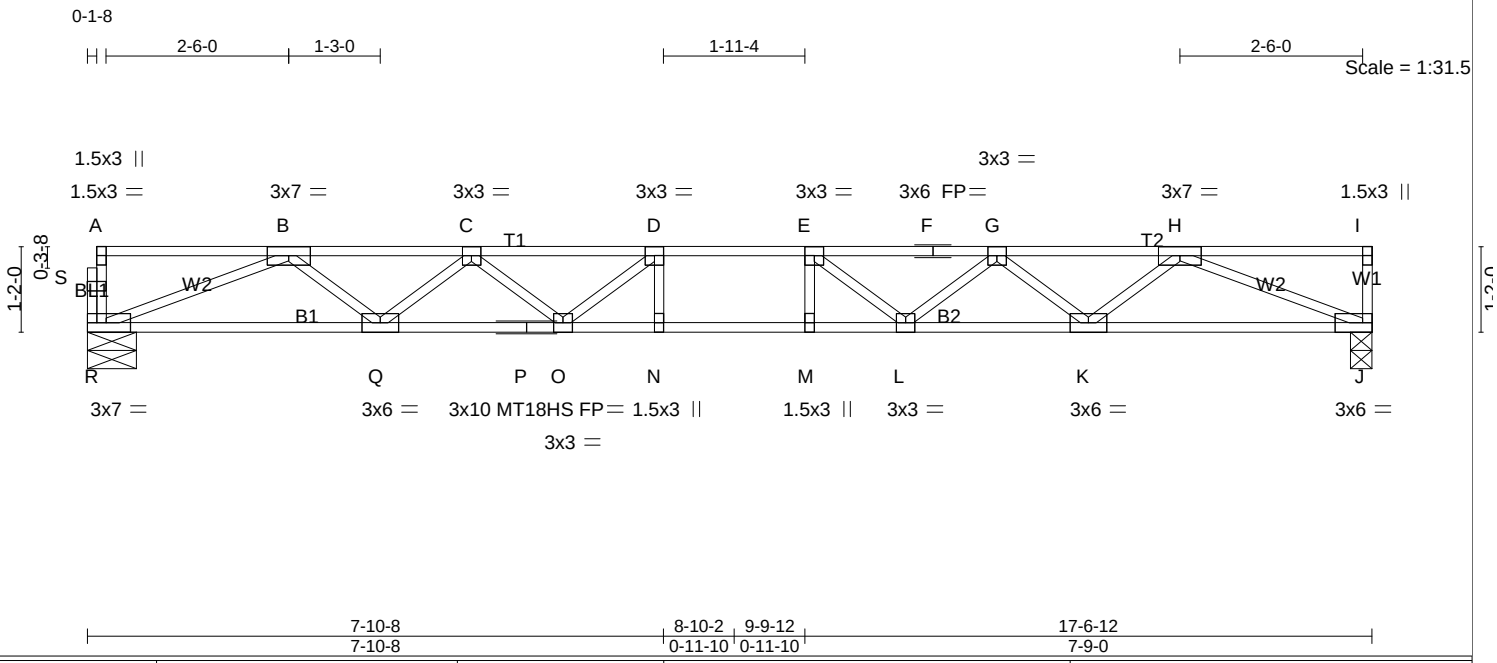

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.29	M-N	>730	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.46	M-N	>448	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.08	J	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 85 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) R=1122/0-8-0 (min. 0-1-8), J=1129/0-3-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD R-S=-128/0, A-S=-127/0, I-J=-127/0, A-B=-8/0, B-C=-3233/0, C-D=-4315/0, D-E=-4672/0, E-F=-4297/0, F-G=-4297/0, G-H=-3196/0, H-I=0/0
BOT CHORD Q-R=0/2466, P-Q=0/3957, O-P=0/3957, N-O=0/4672, M-N=0/4672, L-M=0/4672, K-L=0/3927, J-K=0/2420
WEBS B-R=-2645/0, B-Q=0/998, C-Q=-941/0, C-O=0/559, D-O=-709/0, D-N=-173/201, H-J=-2612/0, H-K=0/1010, G-K=-953/0, G-L=0/570, E-L=-726/0, E-M=-166/208

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	288 NC2015
20083567CS	FC3	Floor	10	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:50:24 2020 Page 1
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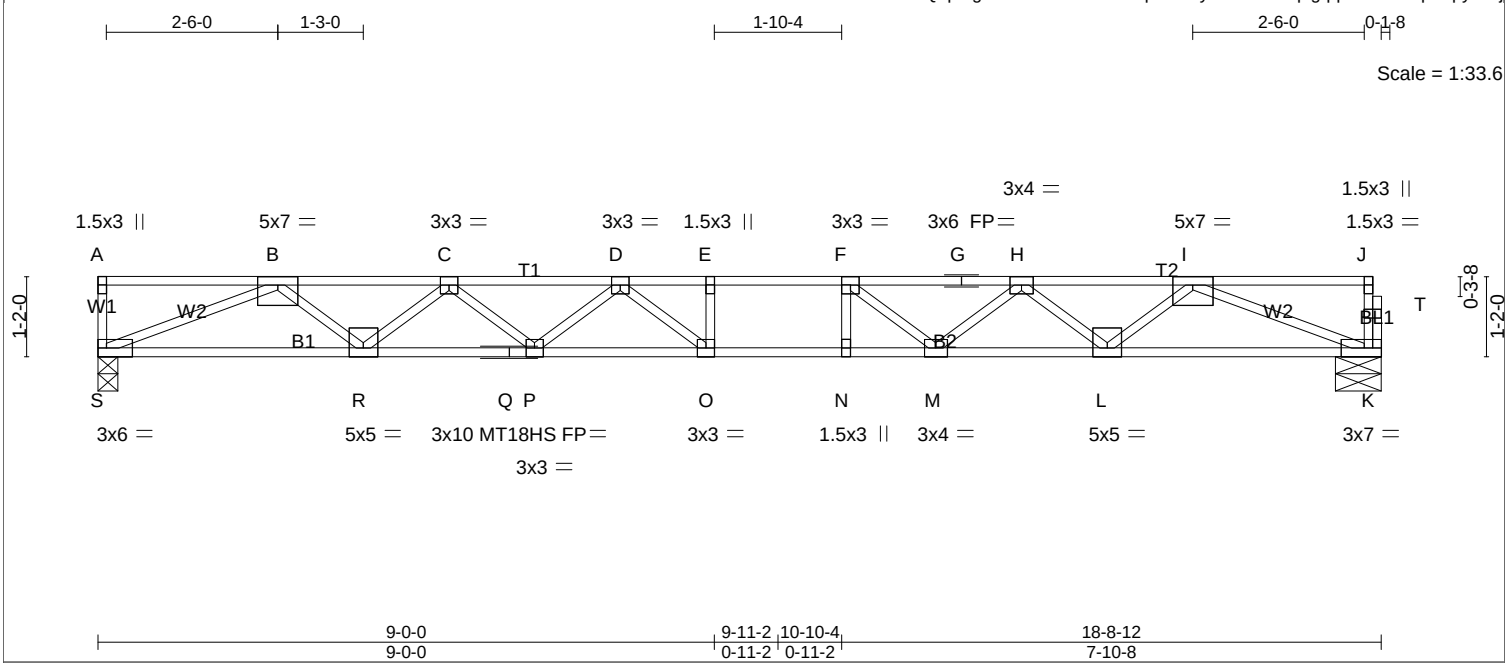

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.36	O	>623	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.58	O-P	>382	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.09	K	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 91 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 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) S=1205/0-3-8 (min. 0-1-8), K=1198/0-8-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-S=-127/0, K-T=-128/0, J-T=-128/0, A-B=0/0, B-C=-3470/0, C-D=-4769/0, D-E=-5295/0, E-F=-5295/0, F-G=-4785/0, G-H=-4785/0, H-I=-3512/0, I-J=-8/0
BOT CHORD R-S=0/2604, Q-R=0/4298, P-Q=0/4298, O-P=0/5194, N-O=0/5295, M-N=0/5295, L-M=0/4319, K-L=0/2658
WEBS B-S=-2811/0, B-R=0/1127, C-R=-1078/0, C-P=0/613, D-P=-553/0, D-O=-224/546, E-O=-231/10, I-K=-2852/0, I-L=0/1112, H-L=-1051/0, H-M=0/690, F-M=-871/0, F-N=-104/226

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	288 NC2015
20083567CS	FC4	Floor	2	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:50:28 2020 Page 1
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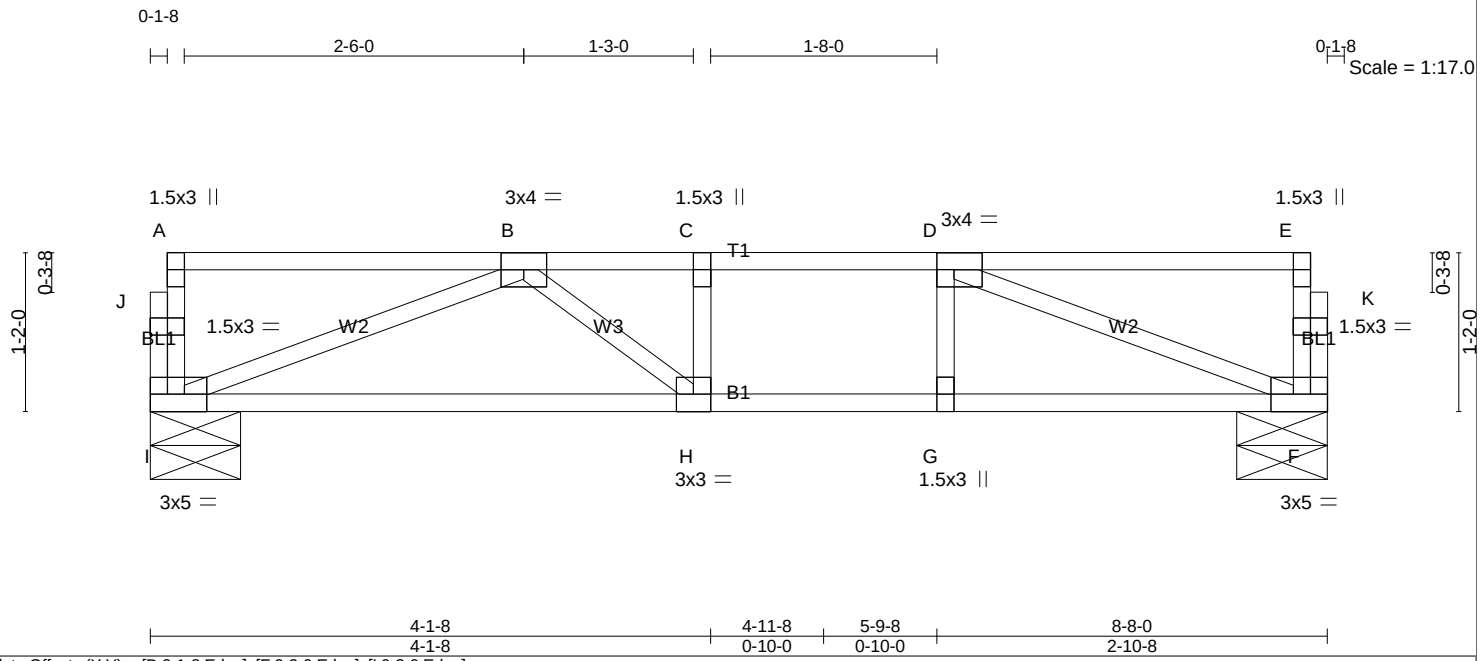

Plate Offsets (X,Y)-- [D:0-1-8,Edge], [F:0-2-0,Edge], [I:0-2-0,Edge]

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	0.50	Vert(LL)	-0.08	H-I	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.13	H-I	>791	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.01	F	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 43 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) I=540/0-8-0 (min. 0-1-8), F=540/0-8-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD I-J=-126/0, A-J=-126/0, F-K=-134/0, E-K=-134/0, A-B=-8/0, B-C=-1067/0, C-D=-1067/0, D-E=-8/0
BOT CHORD H-I=0/998, G-H=0/1067, F-G=0/1067
WEBS B-I=-1065/0, B-H=-15/258, C-H=-110/0, D-F=-1136/0, D-G=0/76

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
20083567CS	FCG	Floor Girder	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC — 8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:50:33 2020 Page 1
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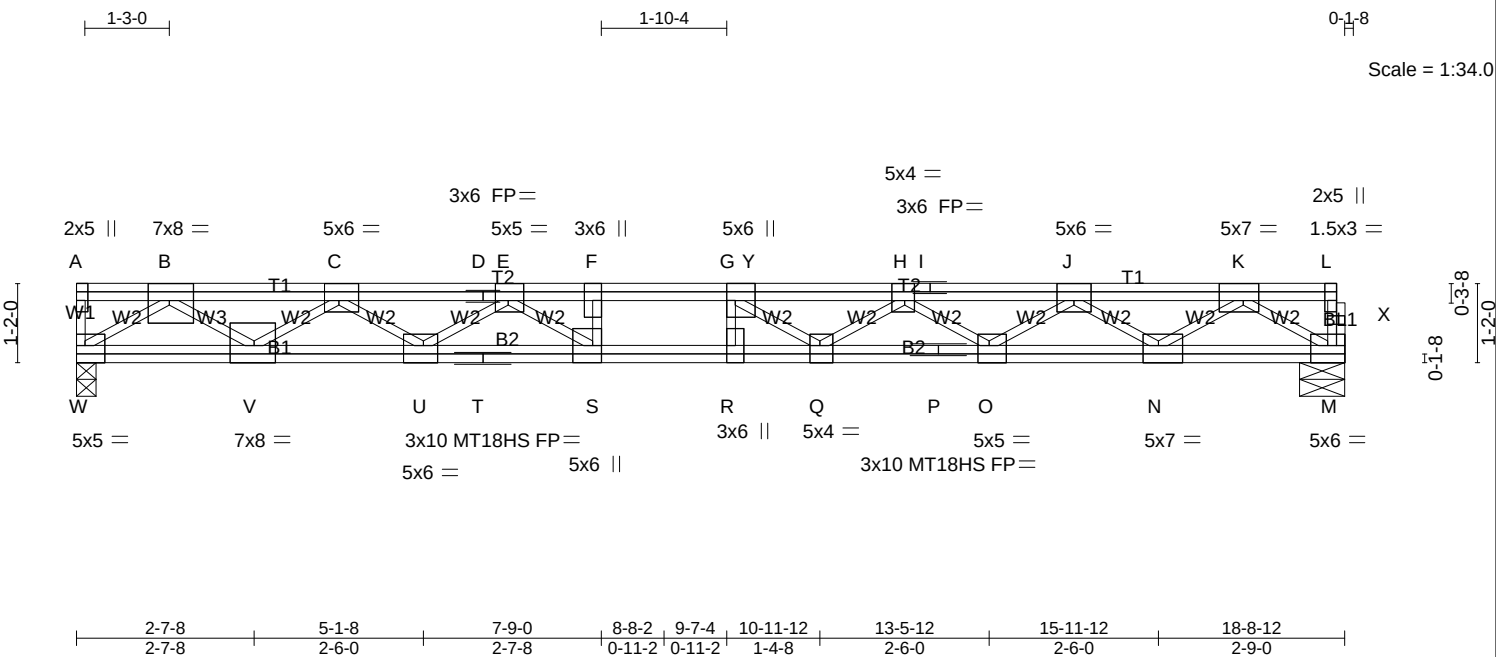

Plate Offsets (X,Y)-- [B:0-3-12,Edge], [C:0-2-8,Edge], [E:0-2-4,Edge], [G:0-3-0,Edge], [H:0-1-12,Edge], [J:0-3-0,Edge], [K:0-2-12,Edge], [L:0-3-0,Edge], [M:Edge,0-3-0], [N:0-2-12,Edge], [O:0-2-0,Edge], [Q:0-1-12,Edge], [R:0-3-0,0-0-0], [S:0-3-0,Edge], [U:0-2-8,Edge], [V:0-3-12,Edge], [W:Edge,0-3-0]

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	0.65	Vert(LL)	-0.35	R	>640	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.56	R-S	>394	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.06	M	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 143 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) *Except*
W3: 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) W=1589/0-3-8 (min. 0-1-8), M=1493/0-8-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-W=-59/0, M-X=-57/0, L-X=-57/0, A-B=0/0, B-C=-3878/0, C-D=-6811/0, D-E=-6811/0, E-F=-8785/0, F-G=-8785/0, G-Y=-8105/0, H-Y=-8105/0, H-I=-6300/0, I-J=-6300/0, J-K=-3612/0, K-L=0/0
BOT CHORD V-W=0/2158, U-V=0/5563, T-U=0/8035, S-T=0/8035, R-S=0/8785, Q-R=0/8785, P-Q=0/7405, O-P=0/7405, N-O=0/5166, M-N=0/2171
WEBS K-M=-2532/0, B-W=-2632/0, K-N=0/1790, B-V=0/2133, J-N=-1928/0, C-V=-2090/0, J-O=0/1405, C-U=0/1547, H-O=-1371/0, E-U=-1518/0, H-Q=0/1021, E-S=0/1303, G-Q=-1180/0, F-S=-562/0, G-R=-223/189

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) 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: M-W=-10, A-D=-120, D-Y=-290(F=-170), L-Y=-120

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FCGA	Floor Girder	1	1	Job Reference (optional)

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

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ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-qsB4k2_BrtZmdDqAHkJpmnN53TEXtKS?l0SgP?yhLkV

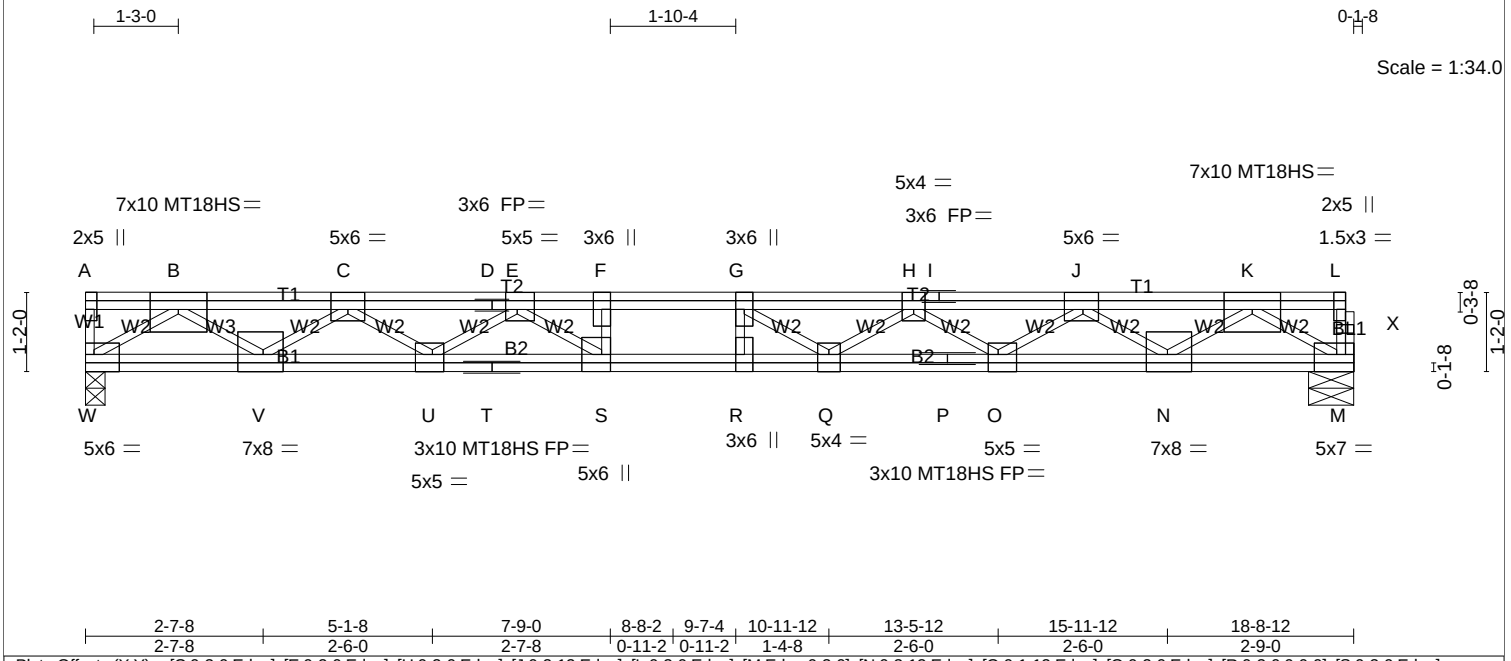

Plate Offsets (X,Y)-- [C:0-3-0,Edge], [E:0-2-0,Edge], [H:0-2-0,Edge], [J:0-2-12,Edge], [L:0-3-0,Edge], [M:Edge,0-3-0], [N:0-3-12,Edge], [O:0-1-12,Edge], [Q:0-2-0,Edge], [R:0-3-0,0-0-0], [S:0-3-0,Edge], [U:0-2-0,Edge], [V:0-3-8,Edge], [W:Edge,0-3-0]

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	0.76	Vert(LL)	-0.37	R	>599	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.60	R	>369	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.06	M	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 143 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) *Except*
W3: 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) W=1894/0-3-8 (min. 0-1-8), M=1894/0-8-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-W=-89/0, M-X=-86/0, L-X=-86/0, A-B=0/0, B-C=-4428/0, C-D=-7388/0, D-E=-7388/0, E-F=-9307/0, F-G=-9307/0, G-H=-9011/0, H-I=-7427/0, I-J=-7427/0, J-K=-4419/0, K-L=0/0
BOT CHORD V-W=0/2548, U-V=0/6266, T-U=0/8547, S-T=0/8547, R-S=0/9307, Q-R=0/9307, P-Q=0/8581, O-P=0/8581, N-O=0/6256, M-N=0/2736
WEBS K-M=-3190/0, B-W=-3108/0, K-N=0/2092, B-V=0/2331, J-N=-2279/0, C-V=-2279/0, J-O=0/1451, C-U=0/1392, H-O=-1431/0, E-U=-1437/0, H-Q=0/805, E-S=0/1412, G-Q=-929/228, F-S=-502/0, G-R=-380/153

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) 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: M-W=-10, A-L=-195(F=-75)

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	FT2	Floor Girder	1	1	Job Reference (optional)

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

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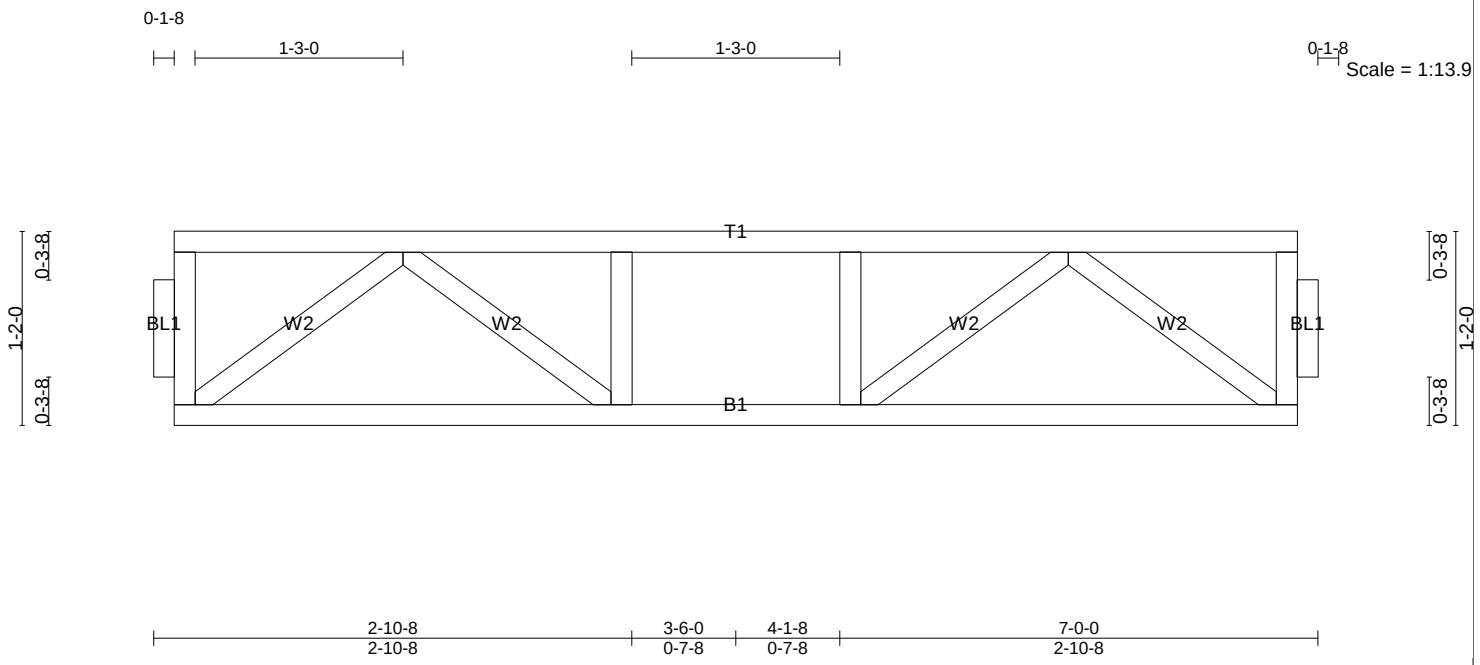

*** Design Problems ***
REVIEW REQUIRED

Analog creation failure

LOADING (psf)		**SPACING-**	2-0-0
TCLL	40.0	Plate Grip DOL	
TCDL	20.0	Lumber DOL	
BCLL	0.0	Rep Stress Incr	NO
BCDL	5.0	Code	IRC2015/TPI2014

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	KC1	Floor Supported Gable	1	1	Job Reference (optional)

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

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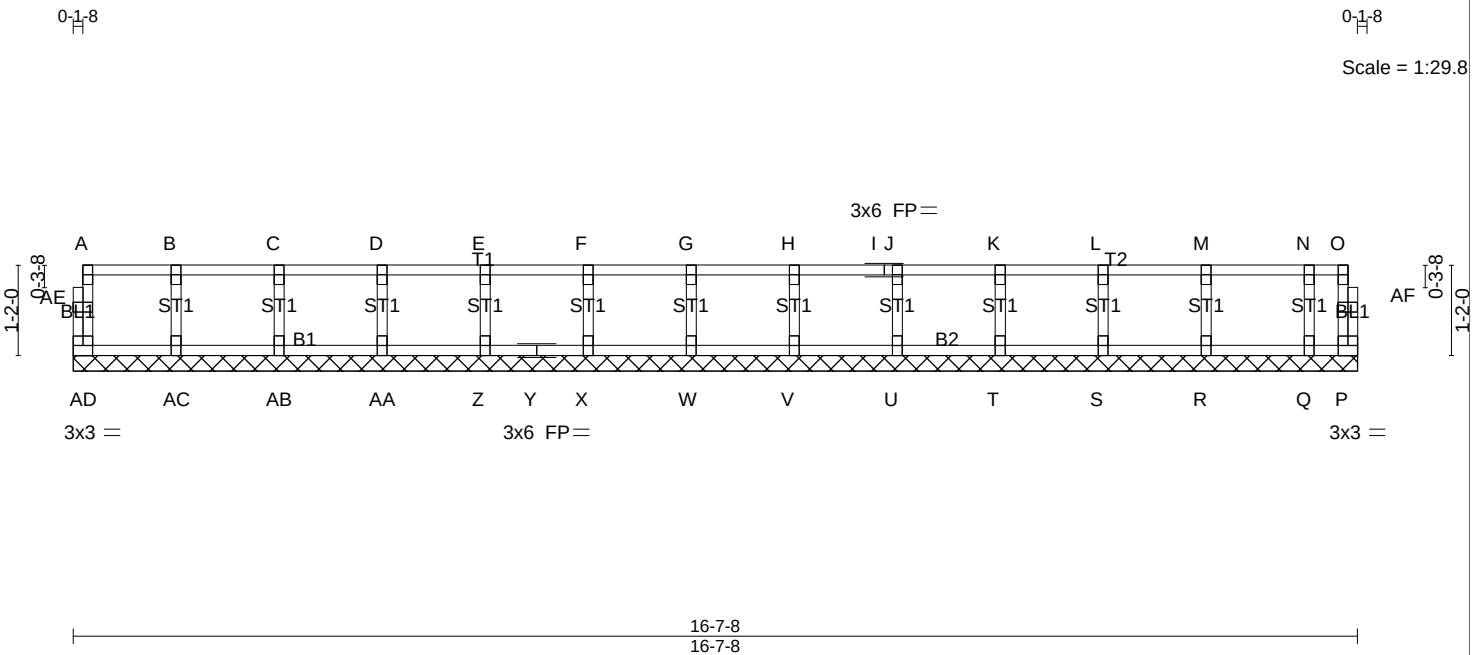

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	P	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		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) AD=62/16-7-8 (min. 0-1-8), P=15/16-7-8 (min. 0-1-8), AC=175/16-7-8 (min. 0-1-8), AB=173/16-7-8 (min. 0-1-8), AA=173/16-7-8 (min. 0-1-8), Z=173/16-7-8 (min. 0-1-8), X=173/16-7-8 (min. 0-1-8), W=173/16-7-8 (min. 0-1-8), V=173/16-7-8 (min. 0-1-8), U=173/16-7-8 (min. 0-1-8), T=174/16-7-8 (min. 0-1-8), S=171/16-7-8 (min. 0-1-8), R=181/16-7-8 (min. 0-1-8), Q=123/16-7-8 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AD-AE=-59/0, A-AE=-58/0, P-AF=-6/0, O-AF=-5/0, 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
BOT CHORD 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, S-T=0/7, R-S=0/7, Q-R=0/7, P-Q=0/7
WEBS B-AC=-159/0, C-AB=-161/0, D-AA=-160/0, E-Z=-160/0, F-X=-160/0, G-W=-160/0, H-V=-160/0, J-U=-160/0, K-T=-160/0, L-S=-158/0, M-R=-166/0, N-Q=-122/0

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
20083567CS	KC2	Floor Supported Gable	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:50:47 2020 Page 1
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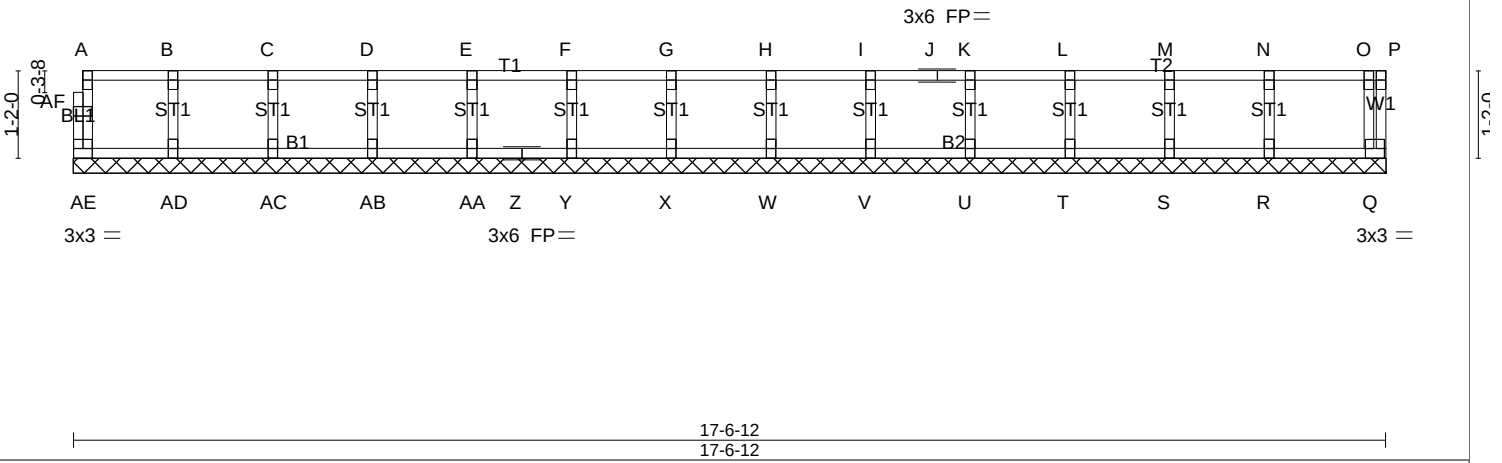

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	Q	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 74 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) AE=70/17-6-12 (min. 0-1-8), Q=98/17-6-12 (min. 0-1-8), AD=164/17-6-12 (min. 0-1-8), AC=176/17-6-12 (min. 0-1-8), AB=173/17-6-12 (min. 0-1-8), AA=174/17-6-12 (min. 0-1-8), Y=173/17-6-12 (min. 0-1-8), X=173/17-6-12 (min. 0-1-8), W=173/17-6-12 (min. 0-1-8), V=173/17-6-12 (min. 0-1-8), U=173/17-6-12 (min. 0-1-8), T=174/17-6-12 (min. 0-1-8), S=170/17-6-12 (min. 0-1-8), R=185/17-6-12 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AE-AF=-63/0, A-AF=-62/0, P-Q=0/32, 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=-15/0, I-J=-15/0, J-K=-15/0, K-L=-15/0, L-M=-15/0, M-N=-15/0, N-O=-15/0, O-P=-5/0
BOT CHORD AD-AE=0/15, AC-AD=0/15, AB-AC=0/15, AA-AB=0/15, Z-AA=0/15, Y-Z=0/15, X-Y=0/15, W-X=0/15, V-W=0/15, U-V=0/15, T-U=0/15, S-T=0/15, R-S=0/15, Q-R=0/15
WEBS B-AD=-154/0, C-AC=-162/0, D-AB=-160/0, E-AA=-160/0, F-Y=-160/0, G-X=-160/0, H-W=-160/0, I-V=-160/0, K-U=-160/0, L-T=-161/0, M-S=-157/0, N-R=-170/0, O-Q=-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 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

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	KC3	Floor Supported Gable	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:50:52 2020 Page 1

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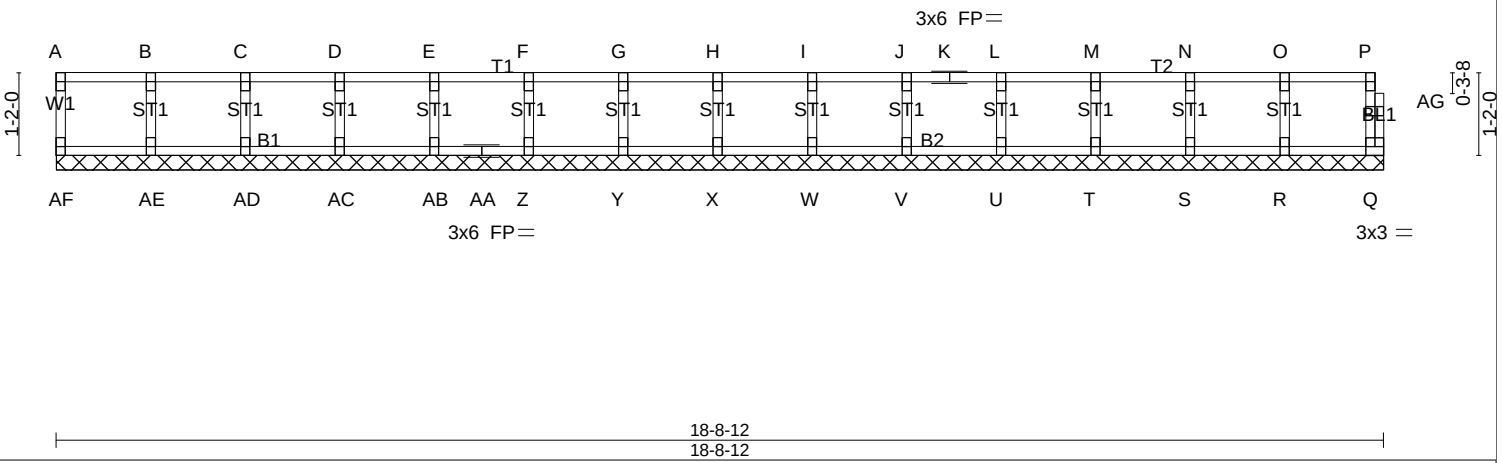

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	Q	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 77 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) AF=77/18-8-12 (min. 0-1-10), Q=70/18-8-12 (min. 0-1-10), AE=176/18-8-12 (min. 0-1-10), AD=173/18-8-12 (min. 0-1-10), AC=173/18-8-12 (min. 0-1-10), AB=173/18-8-12 (min. 0-1-10), Z=173/18-8-12 (min. 0-1-10), Y=173/18-8-12 (min. 0-1-10), X=173/18-8-12 (min. 0-1-10), W=173/18-8-12 (min. 0-1-10), V=173/18-8-12 (min. 0-1-10), U=173/18-8-12 (min. 0-1-10), T=173/18-8-12 (min. 0-1-10), S=173/18-8-12 (min. 0-1-10), R=175/18-8-12 (min. 0-1-10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-AF=-69/0, Q-AG=-65/0, P-AG=-64/0, 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, H-I=-12/0, I-J=-12/0, J-K=-12/0, K-L=-12/0, L-M=-12/0, M-N=-12/0, N-O=-12/0, O-P=-12/0
BOT CHORD AE-AF=0/12, AD-AE=0/12, AC-AD=0/12, AB-AC=0/12, AA-AB=0/12, Z-AA=0/12, Y-Z=0/12, X-Y=0/12, W-X=0/12, V-W=0/12, U-V=0/12, T-U=0/12, S-T=0/12, R-S=0/12, Q-R=0/12
WEBS B-AE=-165/0, C-AD=-159/0, D-AC=-160/0, E-AB=-160/0, F-Z=-160/0, G-Y=-160/0, H-X=-160/0, I-W=-160/0, J-V=-160/0, L-U=-160/0, M-T=-160/0, N-S=-160/0, O-R=-161/0

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Non Standard bearing condition. Review required.
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

Job	Truss	Truss Type	Qty	Ply	288 NC2015
20083567CS	KC4	Floor Supported Gable	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:50:57 2020 Page 1
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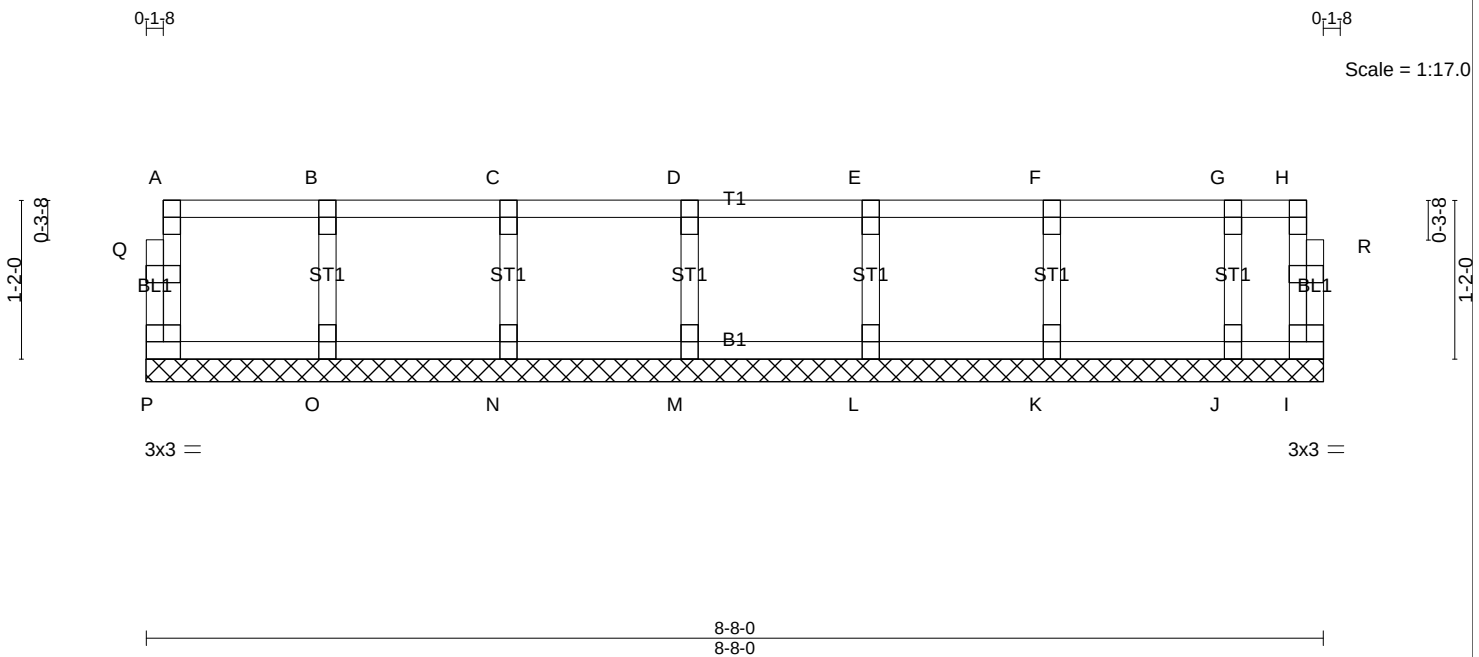

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	I	n/a	n/a		
BCDL	5.0	Code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

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD P-Q=-59/0, A-Q=-58/0, I-R=-10/0, H-R=-10/0, 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=-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	288 NC2015
20083567CS	KW10	Floor Supported Gable	1	1	Job Reference (optional)

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

8.330 s Apr 7 2020 MiTek Industries, Inc. Thu Sep 3 12:51:01 2020 Page 1
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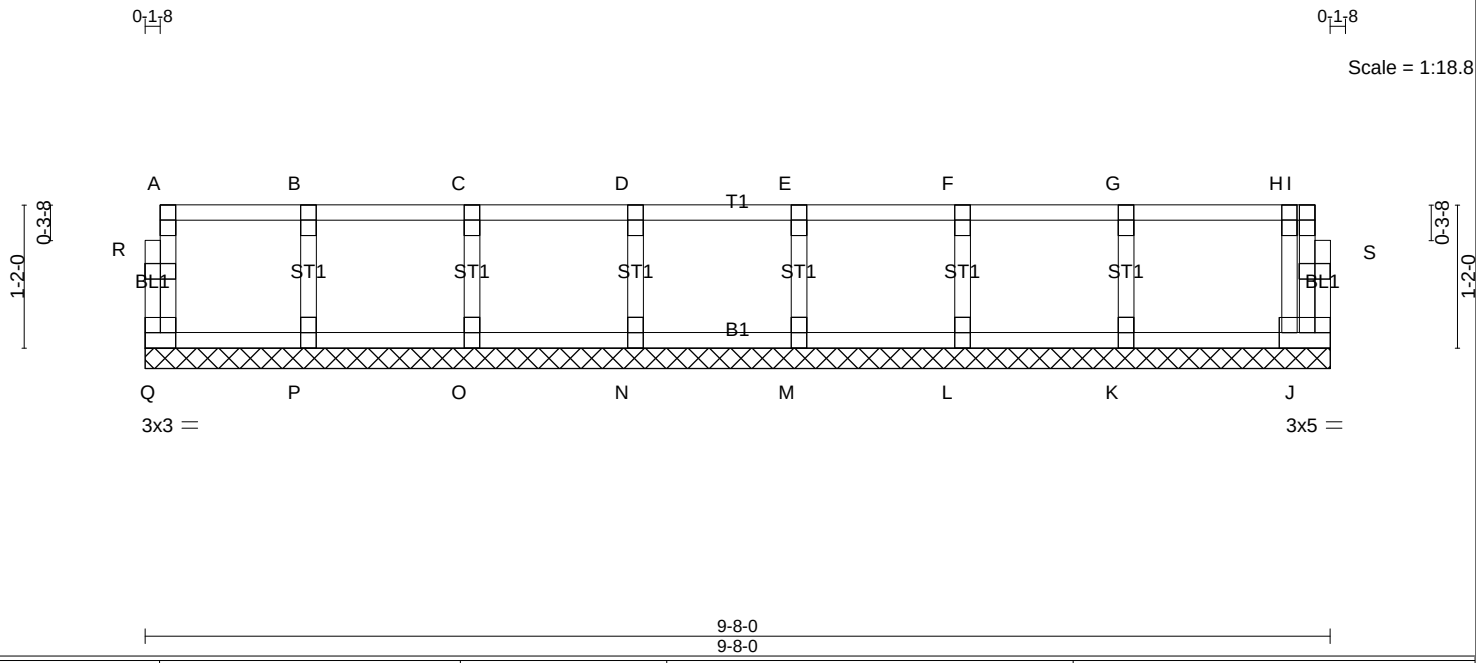

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	J	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 43 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) Q=73/9-8-0 (min. 0-1-8), J=94/9-8-0 (min. 0-1-8), P=161/9-8-0 (min. 0-1-8), O=177/9-8-0 (min. 0-1-8), N=172/9-8-0 (min. 0-1-8), M=175/9-8-0 (min. 0-1-8), L=169/9-8-0 (min. 0-1-8), K=188/9-8-0 (min. 0-1-8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Q-R=-65/0, A-R=-64/0, J-S=0/26, I-S=0/26, A-B=-18/0, B-C=-18/0, C-D=-18/0, D-E=-18/0, E-F=-18/0, F-G=-18/0, G-H=-18/0, H-I=-3/0
BOT CHORD P-Q=0/18, O-P=0/18, N-O=0/18, M-N=0/18, L-M=0/18, K-L=0/18, J-K=0/18
WEBS B-P=-152/0, C-O=-162/0, D-N=-159/0, E-M=-161/0, F-L=-157/0, G-K=-171/0, H-J=-116/0

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