Job	Truss	Truss Type	Qty	Ply	288 NC2015
20032323CS	FC1	Floor	20	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:15 2020 Page 1
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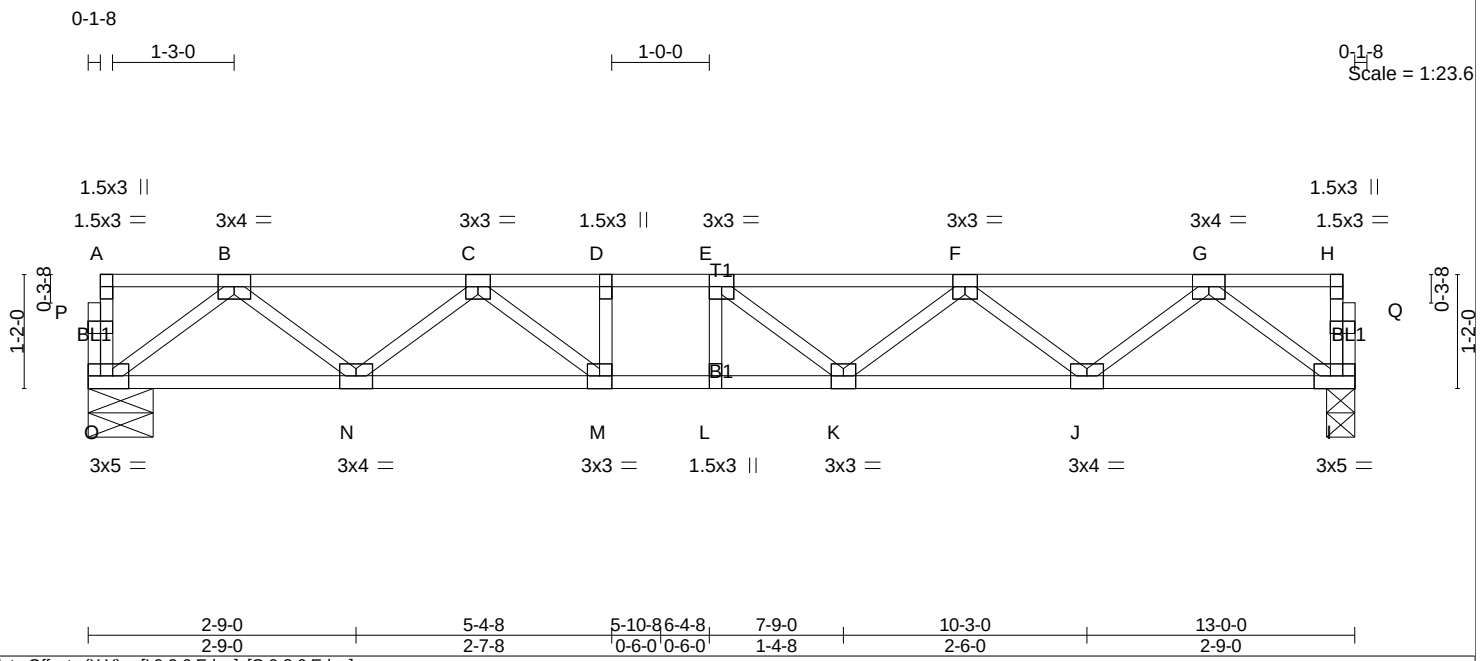

Plate Offsets (X,Y)-- [I:0-2-0,Edge], [O:0-2-0,Edge]

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	0.50	Vert(LL)	-0.11	K-L	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.17	K-L	>886	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	I	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 67 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 2-2-0 oc bracing.

REACTIONS. (lb/size) O=821/0-8-0, I=821/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD O-P=-41/0, A-P=-41/0, I-Q=-49/0, H-Q=-49/0, A-B=-2/0, B-C=-1608/0, C-D=-2502/0, D-E=-2502/0, E-F=-2390/0, F-G=-1623/0, G-H=-3/0
BOT CHORD N-O=0/1014, M-N=0/2186, L-M=0/2502, K-L=0/2502, J-K=0/2212, I-J=0/1006
WEBS G-I=-1259/0, B-O=-1270/0, G-J=0/803, B-N=0/772, F-J=-766/0, C-N=-754/0, F-K=0/310, C-M=0/552, E-K=-305/47, D-M=-195/0, E-L=-159/35

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
20032323CS	FC2	Floor	14	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:16 2020 Page 1
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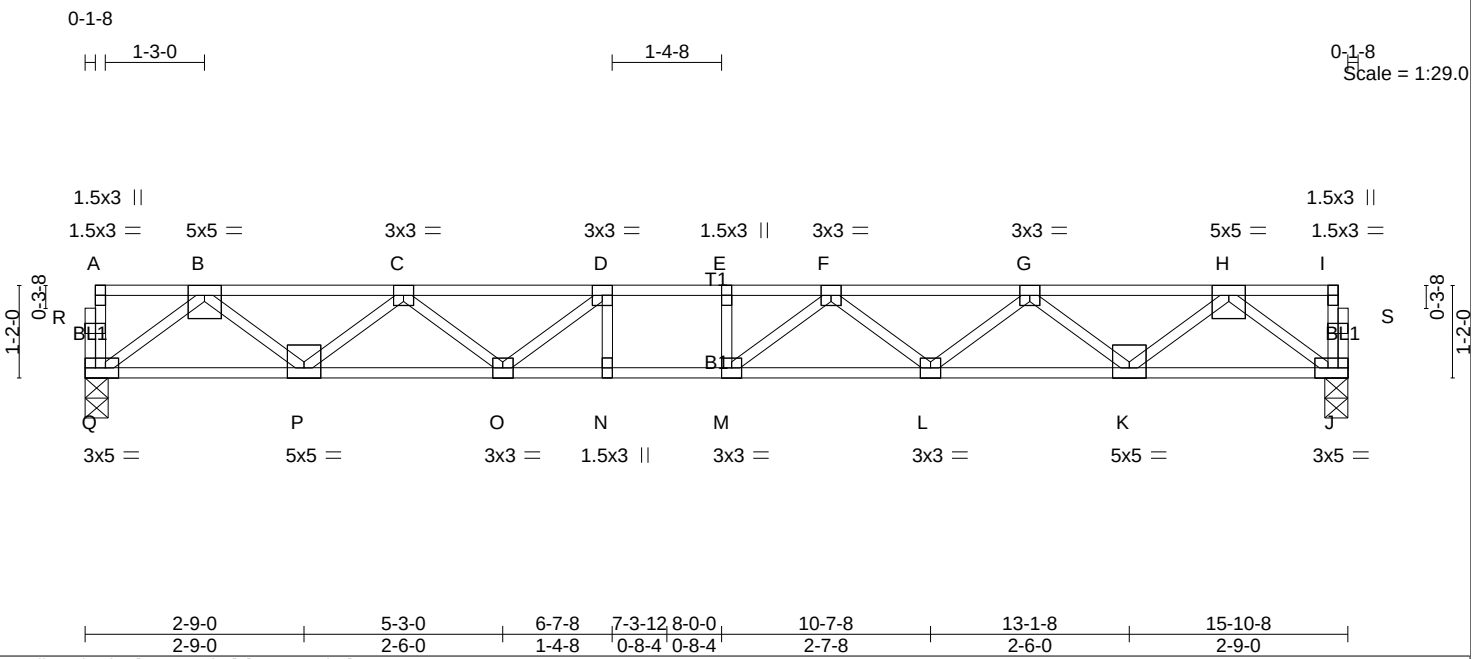

Plate Offsets (X,Y)-- [J:0-2-0,Edge], [Q:0-2-0,Edge]

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	0.62	Vert(LL)	-0.20	L-M	>943	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.33	L-M	>576	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.06	J	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.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) Q=1008/0-3-7, J=1008/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Q-R=-48/0, A-R=-48/0, J-S=-46/0, I-S=-46/0, A-B=-3/0, B-C=-2090/0, C-D=-3310/0, D-E=-3759/0, E-F=-3759/0, F-G=-3317/0, G-H=-2089/0, H-I=-3/0
BOT CHORD P-Q=0/1257, O-P=0/2887, N-O=0/3759, M-N=0/3759, L-M=0/3700, K-L=0/2892, J-K=0/1255
WEBS H-J=-1571/0, B-Q=-1574/0, H-K=0/1085, B-P=0/1085, G-K=-1046/0, C-P=-1036/0, G-L=0/553, C-O=0/592, F-L=-497/0, D-O=-708/0, F-M=-192/399, D-N=-84/179, E-M=-157/13

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
20032323CS	FC2A	Floor	1	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:18 2020 Page 1

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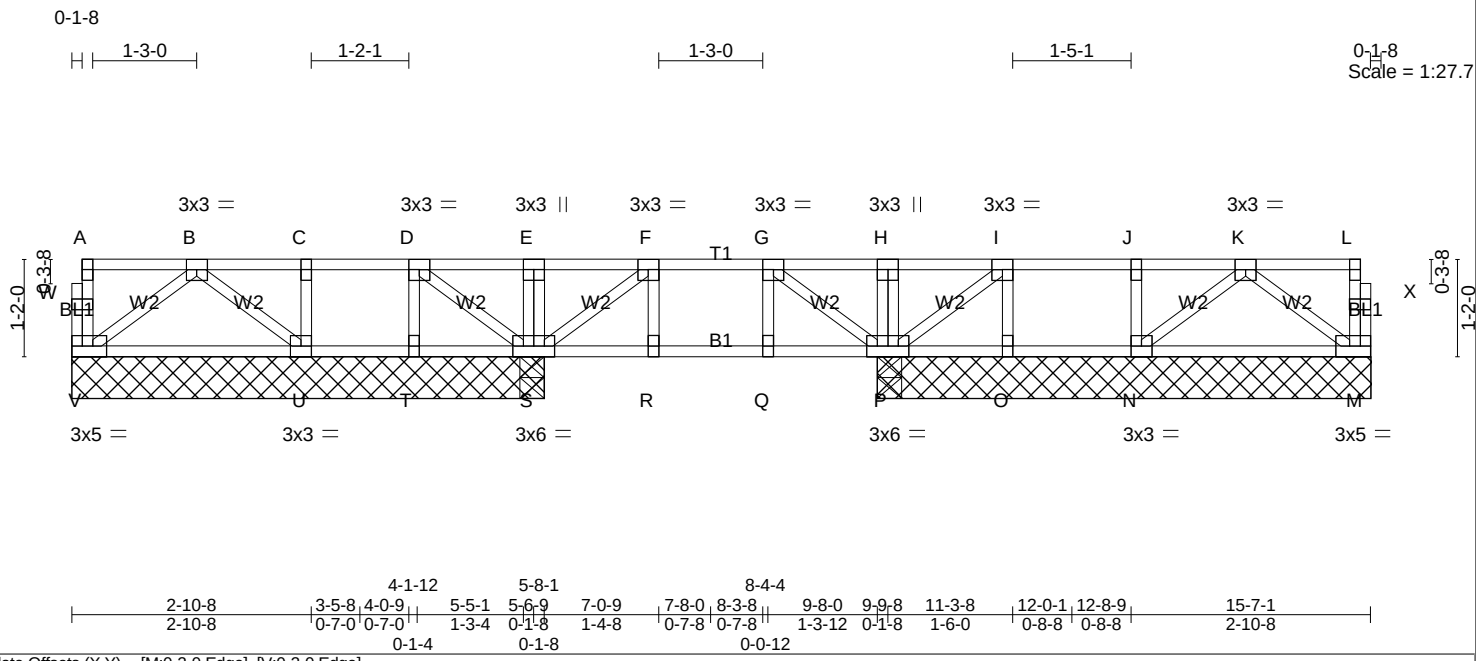

Plate Offsets (X,Y)-- [M:0-2-0,Edge], [V:0-2-0,Edge]

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	0.15	Vert(LL)	-0.00	R	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	-0.00	M-N	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	M	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 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 6-0-0 oc bracing.

REACTIONS. (lb/size) V=145/5-8-1, M=144/5-11-1, S=424/5-8-1, S=424/5-8-1, U=285/5-8-1, T=119/5-8-1, P=424/5-11-1, P=424/5-11-1, N=301/5-11-1, O=137/5-11-1
Max Grav V=153(LC 3), M=151(LC 9), S=440(LC 9), S=424(LC 1), U=288(LC 9), T=160(LC 3), P=440(LC 10), P=424(LC 1), N=304(LC 10), O=174(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD V-W=-63/0, A-W=-63/0, M-X=-64/0, L-X=-64/0, A-B=-4/0, B-C=0/43, C-D=0/43, D-E=0/128, E-F=0/128, F-G=-150/0, G-H=0/129, H-I=0/129, I-J=0/40, J-K=0/40, K-L=-4/0
BOT CHORD U-V=0/109, T-U=-43/0, S-T=-43/0, R-S=0/150, Q-R=0/150, P-Q=0/150, O-P=-40/0, N-O=-40/0, M-N=0/105
WEBS E-S=-180/0, H-P=-175/0, B-V=-132/0, D-S=-104/0, B-U=-175/0, C-U=-151/0, D-T=-154/4, G-P=-304/0, F-S=-309/0, F-R=0/17, G-Q=0/17, K-M=-126/0, I-P=-110/0, K-N=-168/0, I-O=-165/0, J-N=-171/0

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
20032323CS	FC3	Floor	1	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:19 2020 Page 1
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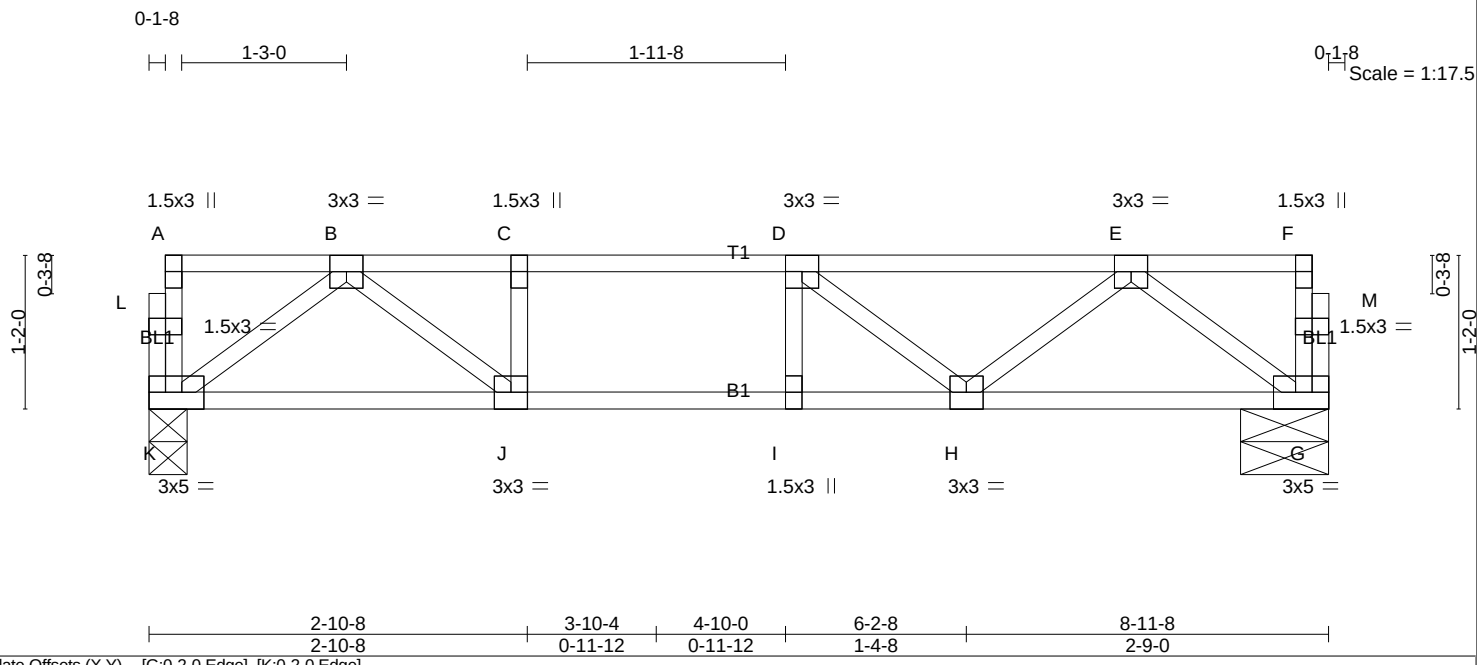

Plate Offsets (X,Y)-- [G:0-2-0,Edge], [K:0-2-0,Edge]

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	0.58	Vert(LL)	-0.07	H-I	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.11	H-I	>965	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.01	G	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 45 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) K=559/0-3-8, G=559/0-8-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD K-L=-77/0, A-L=-77/0, G-M=-29/0, F-M=-29/0, A-B=-5/0, B-C=-1130/0, C-D=-1130/0, D-E=-952/0, E-F=-2/0
BOT CHORD J-K=0/645, I-J=0/1130, H-I=0/1130, G-H=0/690
WEBS E-G=-863/0, B-K=-804/0, E-H=0/341, B-J=0/643, D-H=-291/0, C-J=-295/0, D-I=-120/2

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
20032323CS	FC4	Floor	6	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:20 2020 Page 1
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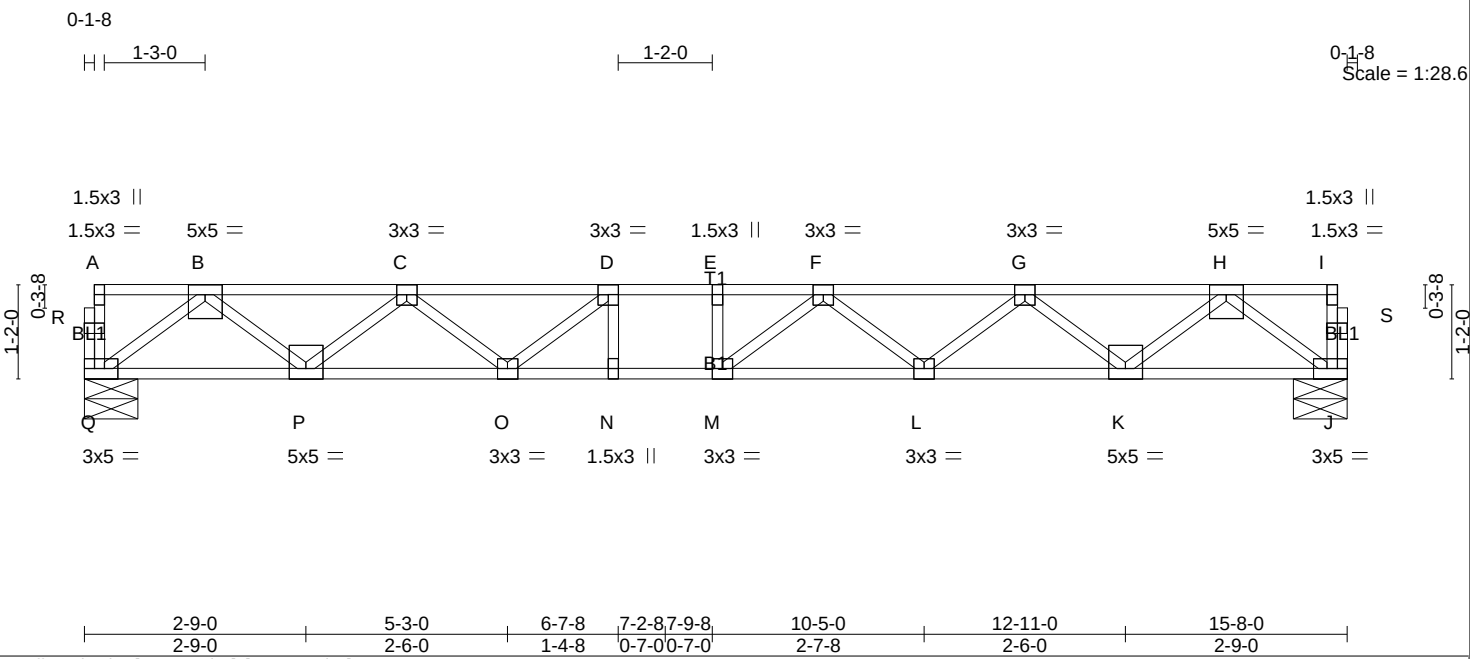

Plate Offsets (X,Y)-- [J:0-2-0,Edge], [Q:0-2-0,Edge]

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	0.52	Vert(LL)	-0.19	M	>995	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.30	L-M	>608	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: 79 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=995/0-8-0, J=995/0-8-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Q-R=-48/0, A-R=-48/0, J-S=-46/0, I-S=-46/0, A-B=-3/0, B-C=-2057/0, C-D=-3243/0, D-E=-3665/0, E-F=-3665/0, F-G=-3250/0, G-H=-2055/0, H-I=-3/0
BOT CHORD P-Q=0/1239, O-P=0/2838, N-O=0/3665, M-N=0/3665, L-M=0/3619, K-L=0/2842, J-K=0/1238
WEBS H-J=-1549/0, B-Q=-1551/0, H-K=0/1064, B-P=0/1065, G-K=-1024/0, C-P=-1017/0, G-L=0/531, C-O=0/566, F-L=-480/0, D-O=-663/0, F-M=-201/369, D-N=-88/167, E-M=-135/24

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
20032323CS	FC5	Floor	11	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:21 2020 Page 1
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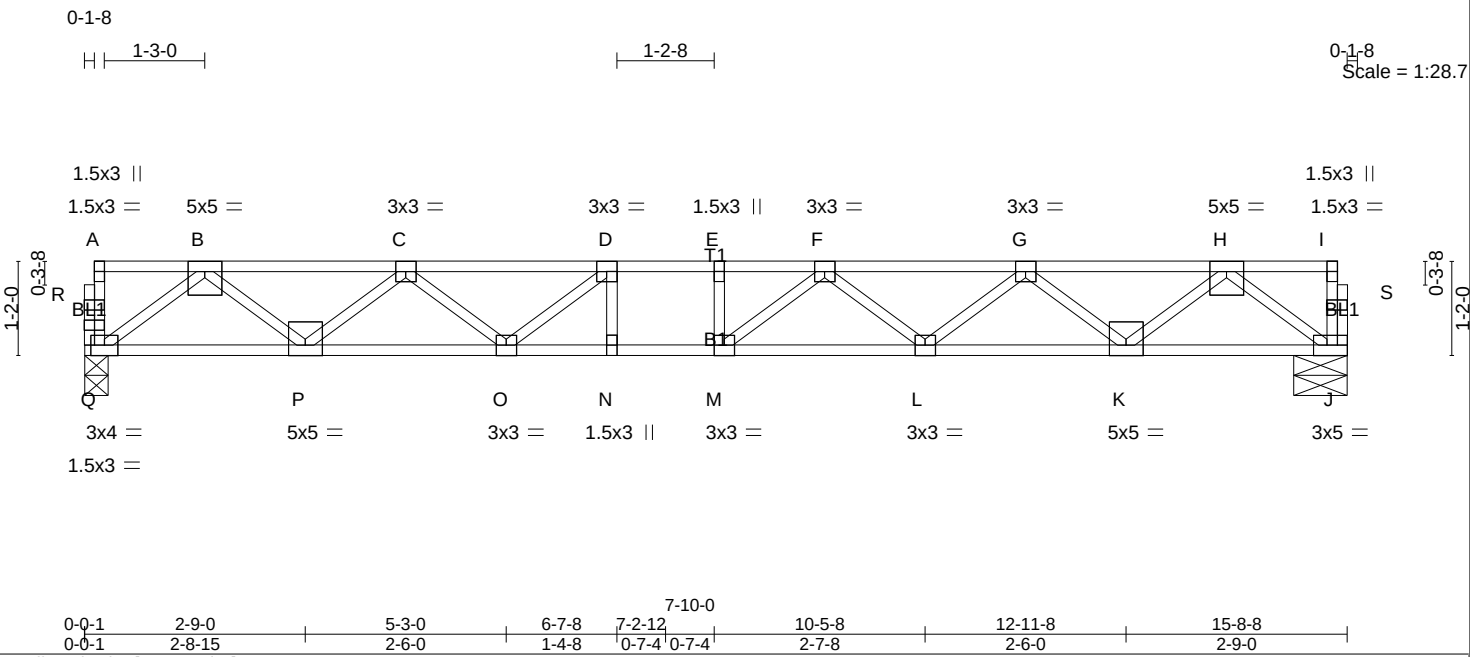

Plate Offsets (X,Y)-- [J:0-2-0,Edge]

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	0.54	Vert(LL)	-0.19	M	>984	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.31	L-M	>601	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: 79 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) J=997/0-8-0, Q=997/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Q-R=-48/0, A-R=-48/0, J-S=-46/0, I-S=-46/0, A-B=-3/0, B-C=-2064/0, C-D=-3257/0, D-E=-3685/0, E-F=-3685/0, F-G=-3264/0, G-H=-2062/0, H-I=-3/0
BOT CHORD P-Q=0/1243, O-P=0/2849, N-O=0/3685, M-N=0/3685, L-M=0/3636, K-L=0/2853, J-K=0/1241
WEBS H-J=-1554/0, B-Q=-1555/0, H-K=0/1068, B-P=0/1069, G-K=-1029/0, C-P=-1022/0, G-L=0/536, C-O=0/572, F-L=-484/0, D-O=-673/0, F-M=-199/376, D-N=-87/169, E-M=-140/21

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
20032323CS	FC6	Floor	1	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:22 2020 Page 1
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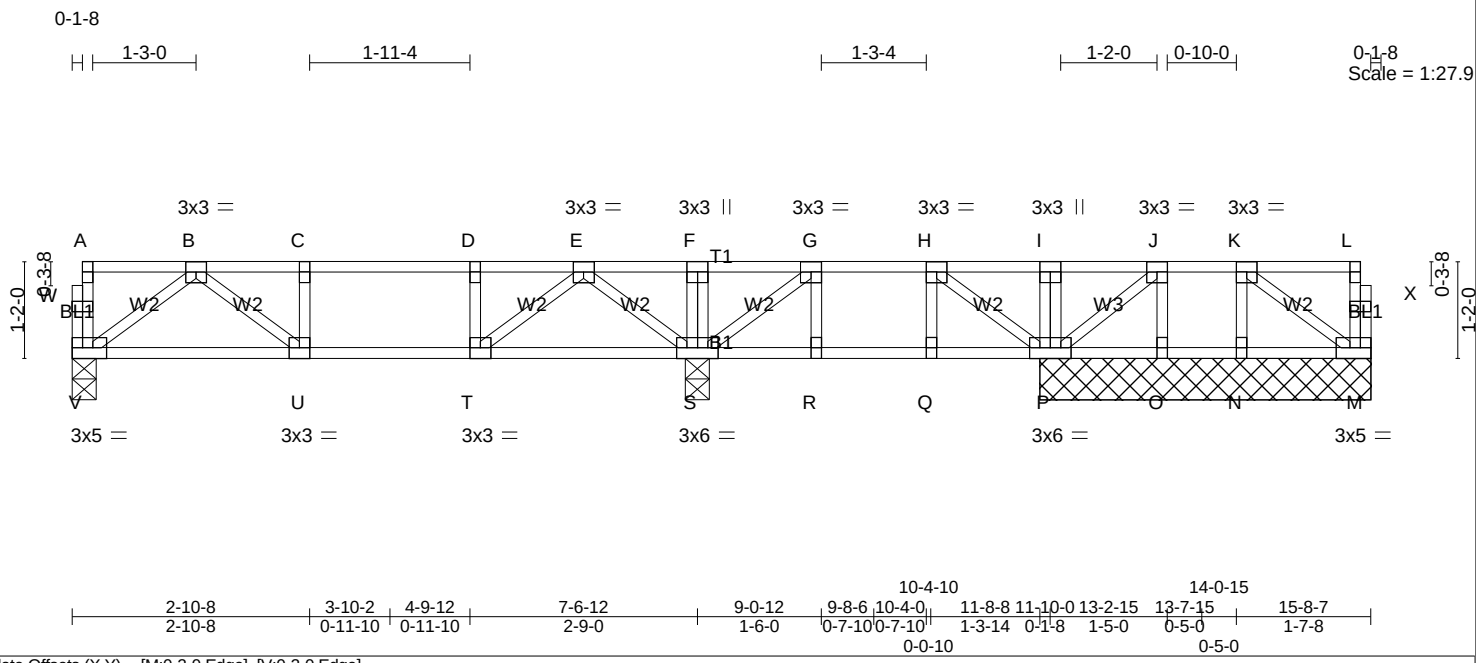

Plate Offsets (X,Y)-- [M:0-2-0,Edge], [V:0-2-0,Edge]

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	0.34	Vert(LL)	-0.03	U-V	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.04	U-V	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	M	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 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 6-0-0 oc bracing.

REACTIONS. (lb/size) V=449/0-3-8, M=56/4-0-0, S=793/0-3-8, P=463/4-0-0, O=36/4-0-0, N=197/4-0-0
Max UpliftO=-19(LC 3)
Max GravV=454(LC 3), M=81(LC 7), S=796(LC 9), P=497(LC 8), O=102(LC 7), N=214(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD V-W=-65/0, A-W=-64/0, M-X=-69/0, L-X=-69/0, A-B=-4/0, B-C=-751/0, C-D=-751/0, D-E=-751/0, E-F=-7/281, F-G=-7/281, G-H=-240/38, H-I=0/216, I-J=0/215, J-K=-14/44, K-L=-4/0
BOT CHORD U-V=0/498, T-U=0/751, S-T=0/398, R-S=-38/240, Q-R=-38/240, P-Q=-38/240, O-P=-44/14, N-O=-44/14, M-N=-44/14
WEBS F-S=-188/0, I-P=-187/0, B-V=-619/0, E-S=-675/0, B-U=0/324, E-T=0/470, C-U=-187/0, D-T=-255/0, H-P=-325/0, G-S=-338/0, G-R=0/23, H-Q=-2/18, K-M=-13/60, J-P=-216/0, J-O=-93/26, K-N=-198/0

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 capable of withstanding 19 lb uplift at joint O.
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	288 NC2015
20032323CS	FC7	Floor	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber — 8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:23 2020 Page 1
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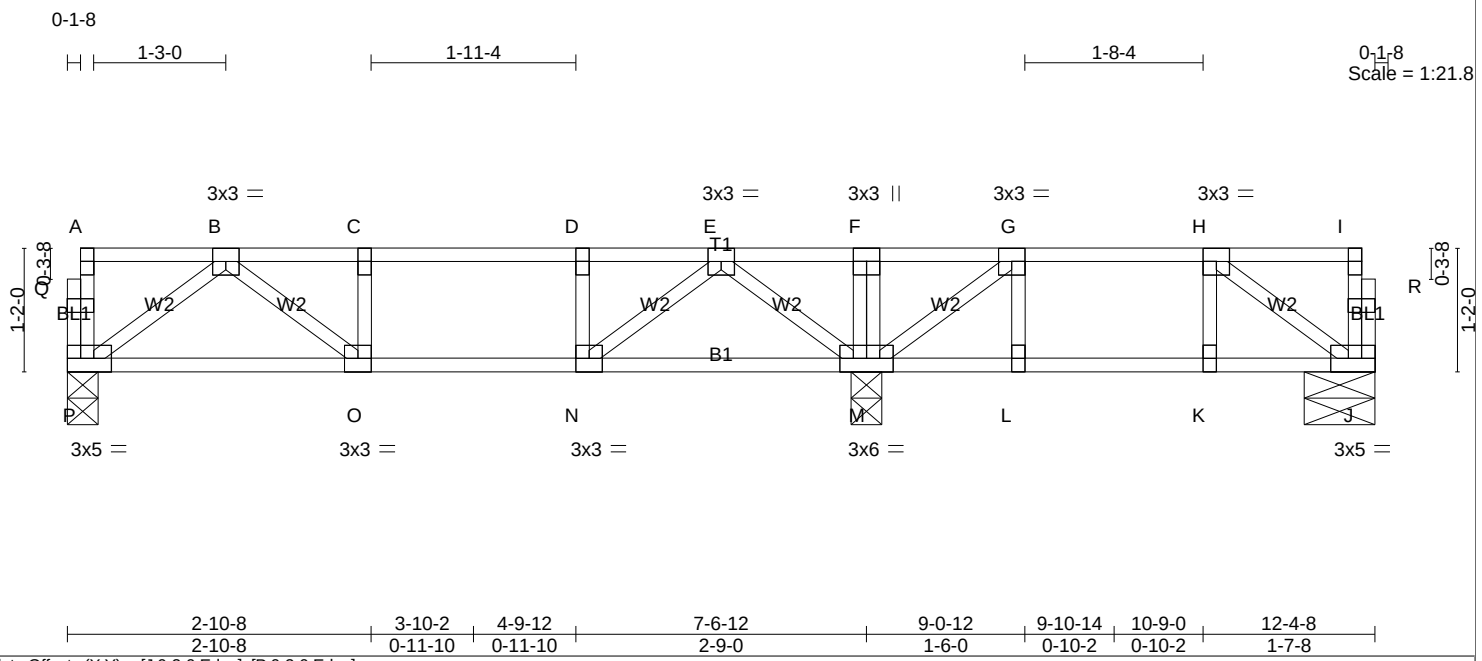

2-10-8	3-10-2	4-9-12	7-6-12	9-0-12	9-10-14	10-9-0	12-4-8
2-10-8	0-11-10	0-11-10	2-9-0	1-6-0	0-10-2	0-10-2	1-7-8

Plate Offsets (X,Y)-- [J:0-2-0,Edge], [P: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	0.33	Vert(LL)	-0.03	O-P	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.30	Vert(CT)	-0.04	O-P	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	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) P=462/0-3-8, J=275/0-8-0, M=825/0-3-8
Max Grav P=469(LC 10), J=298(LC 7), M=825(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD P-Q=-66/0, A-Q=-66/0, J-R=-75/0, I-R=-74/0, A-B=-4/0, B-C=-807/0, C-D=-807/0, D-E=-807/0, E-F=-22/152, F-G=-22/152, G-H=-321/0, H-I=-4/0
BOT CHORD O-P=0/519, N-O=0/807, M-N=0/490, L-M=0/321, K-L=0/321, J-K=0/321
WEBS F-M=-171/0, B-P=-646/0, E-M=-663/0, B-O=0/368, E-N=0/449, C-O=-207/0, D-N=-246/0, H-J=-392/0, G-M=-473/0, G-L=0/44, H-K=-16/16

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
20032323CS	KC1	Floor Supported Gable	2	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:24 2020 Page 1
ID:XTYJZa1n607AuJzbMJwUb8z?rWV-otHa8VUq?jI8z?_rHb?RifCp_XsvWCo2V5MDStzWTKn

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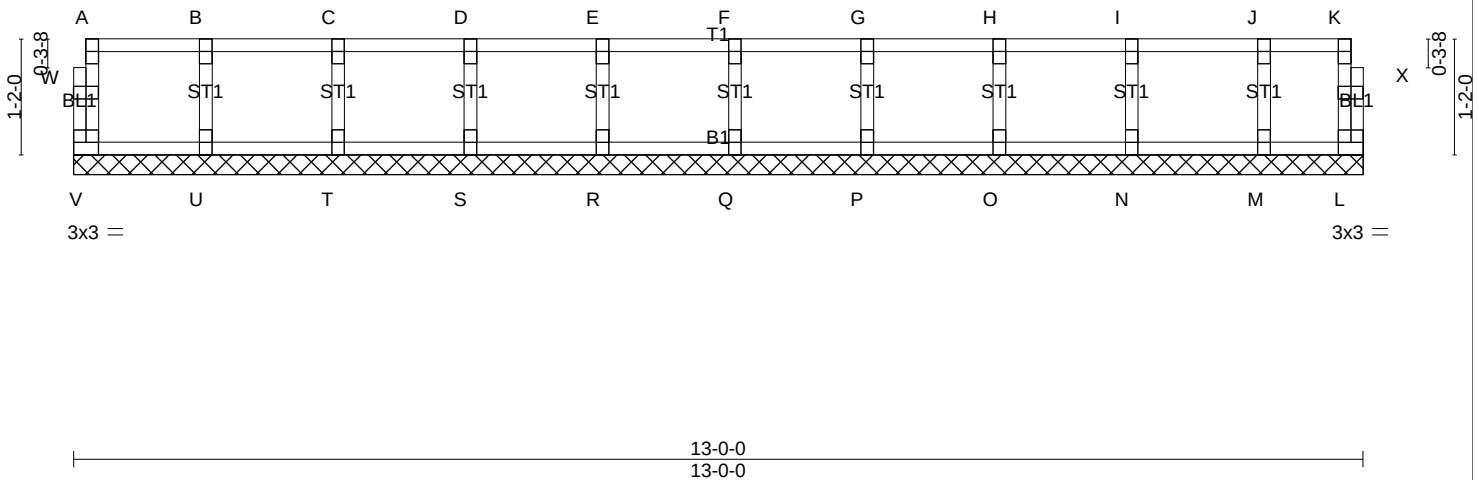

13-0-0
13-0-0

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	0.10	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	L	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							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)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) V=63/13-0-0, L=44/13-0-0, U=173/13-0-0, T=174/13-0-0, S=173/13-0-0, R=173/13-0-0, Q=173/13-0-0, P=174/13-0-0, O=172/13-0-0, N=180/13-0-0, M=144/13-0-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD V-W=-59/0, A-W=-59/0, L-X=-38/0, K-X=-37/0, A-B=-9/0, B-C=-9/0, C-D=-9/0, D-E=-9/0, E-F=-9/0, F-G=-9/0, G-H=-9/0, H-I=-9/0, I-J=-9/0, J-K=-9/0
BOT CHORD U-V=0/9, T-U=0/9, S-T=0/9, R-S=0/9, Q-R=0/9, P-Q=0/9, O-P=0/9, N-O=0/9, M-N=0/9, L-M=0/9
WEBS B-U=-158/0, C-T=-161/0, D-S=-160/0, E-R=-160/0, F-Q=-160/0, G-P=-160/0, H-O=-159/0, I-N=-165/0, J-M=-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	288 NC2015
20032323CS	KC2	Floor Supported Gable	1	1	Job Reference (optional)

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

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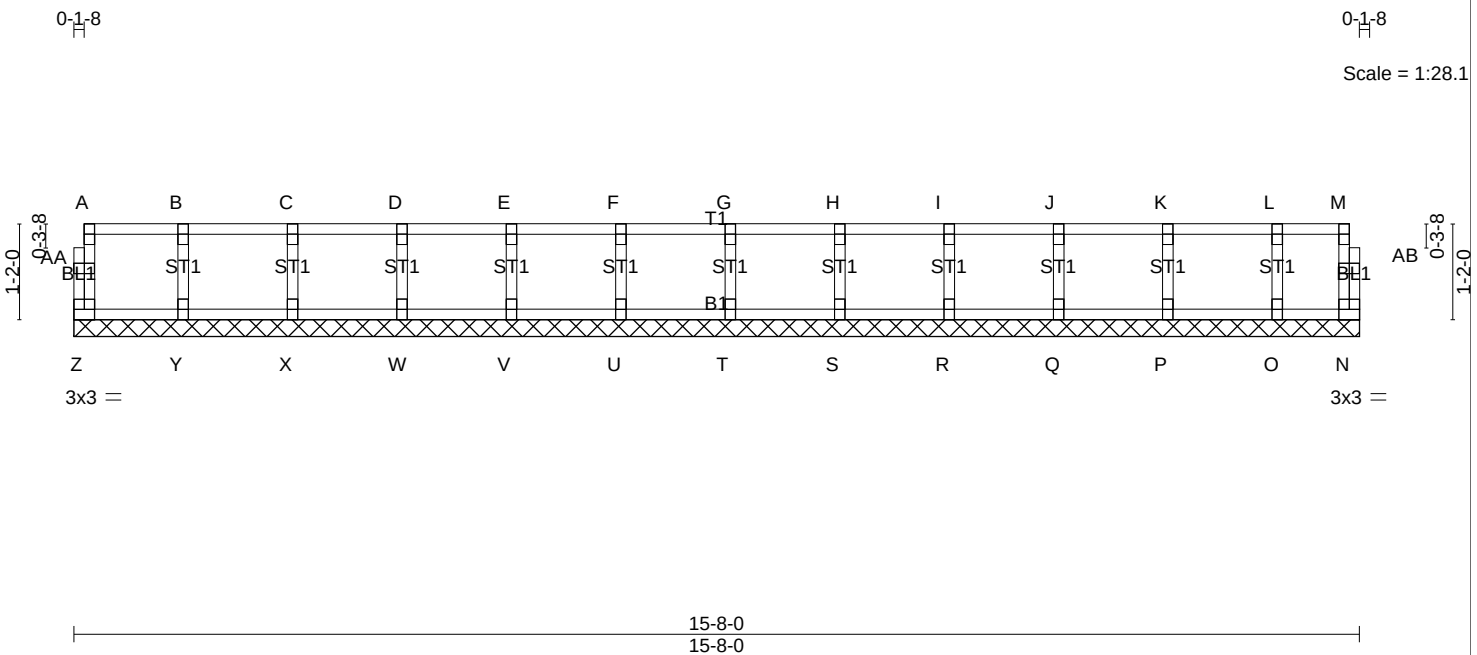

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 66 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) Z=63/15-8-0, N=44/15-8-0, Y=173/15-8-0, X=174/15-8-0, W=173/15-8-0, V=173/15-8-0, U=173/15-8-0, T=173/15-8-0, S=173/15-8-0, R=174/15-8-0, Q=172/15-8-0, P=179/15-8-0, O=144/15-8-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD Z-AA=-59/0, A-AA=-59/0, N-AB=-38/0, M-AB=-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
BOT CHORD 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, Q-R=0/8, P-Q=0/8, O-P=0/8, N-O=0/8
WEBS B-Y=-158/0, C-X=-161/0, D-W=-160/0, E-V=-160/0, F-U=-160/0, G-T=-160/0, H-S=-160/0, I-R=-160/0, J-Q=-159/0, K-P=-165/0, L-O=-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	288 NC2015
20032323CS	KC3	Floor Supported Gable	1	1	Job Reference (optional)

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

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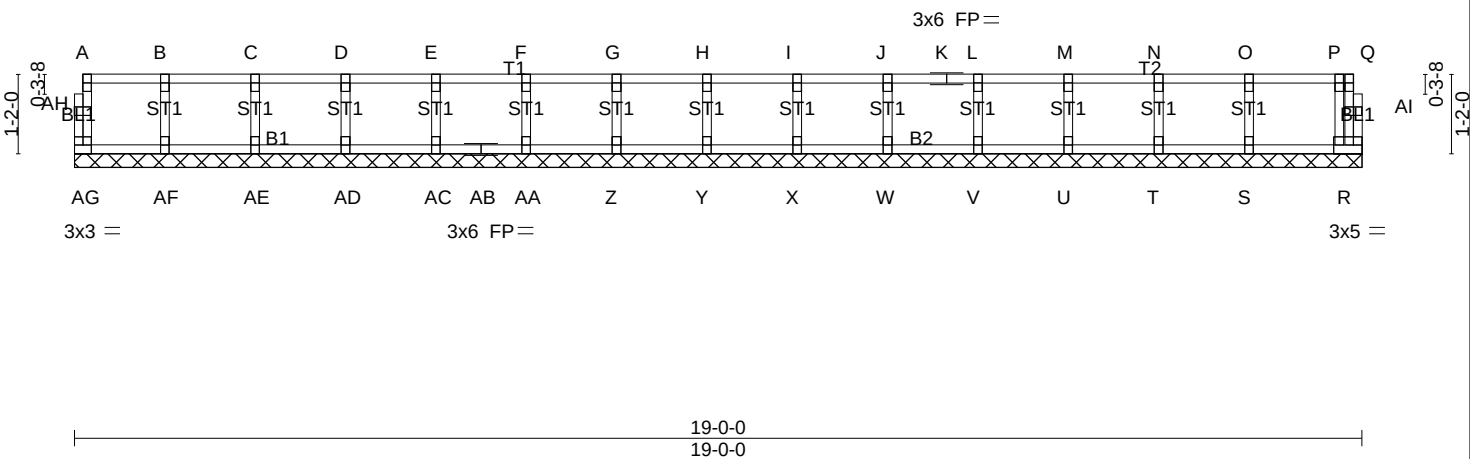

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	R	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 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)
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) AG=72/19-0-0, R=93/19-0-0, AF=162/19-0-0, AE=176/19-0-0, AD=173/19-0-0, AC=174/19-0-0, AA=173/19-0-0, Z=173/19-0-0, Y=173/19-0-0, X=173/19-0-0, W=173/19-0-0, V=173/19-0-0, U=174/19-0-0, T=169/19-0-0, S=189/19-0-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD AG-AH=-64/0, A-AH=-63/0, R-AI=0/24, Q-AI=0/24, 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, N-O=-17/0, O-P=-17/0, P-Q=-2/0
BOT CHORD AF-AG=0/17, AE-AF=0/17, AD-AE=0/17, AC-AD=0/17, AB-AC=0/17, 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
WEBS B-AF=-153/0, C-AE=-162/0, D-AD=-159/0, E-AC=-160/0, F-AA=-160/0, G-Z=-160/0, H-Y=-160/0, I-X=-160/0, J-W=-160/0, L-V=-160/0, M-U=-161/0, N-T=-157/0, O-S=-171/0, P-R=-113/0

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
20032323CS	KC4	Floor Supported Gable	1	1	Job Reference (optional)

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

8.320 s Nov 19 2019 MiTek Industries, Inc. Sat Mar 28 08:51:28 2020 Page 1
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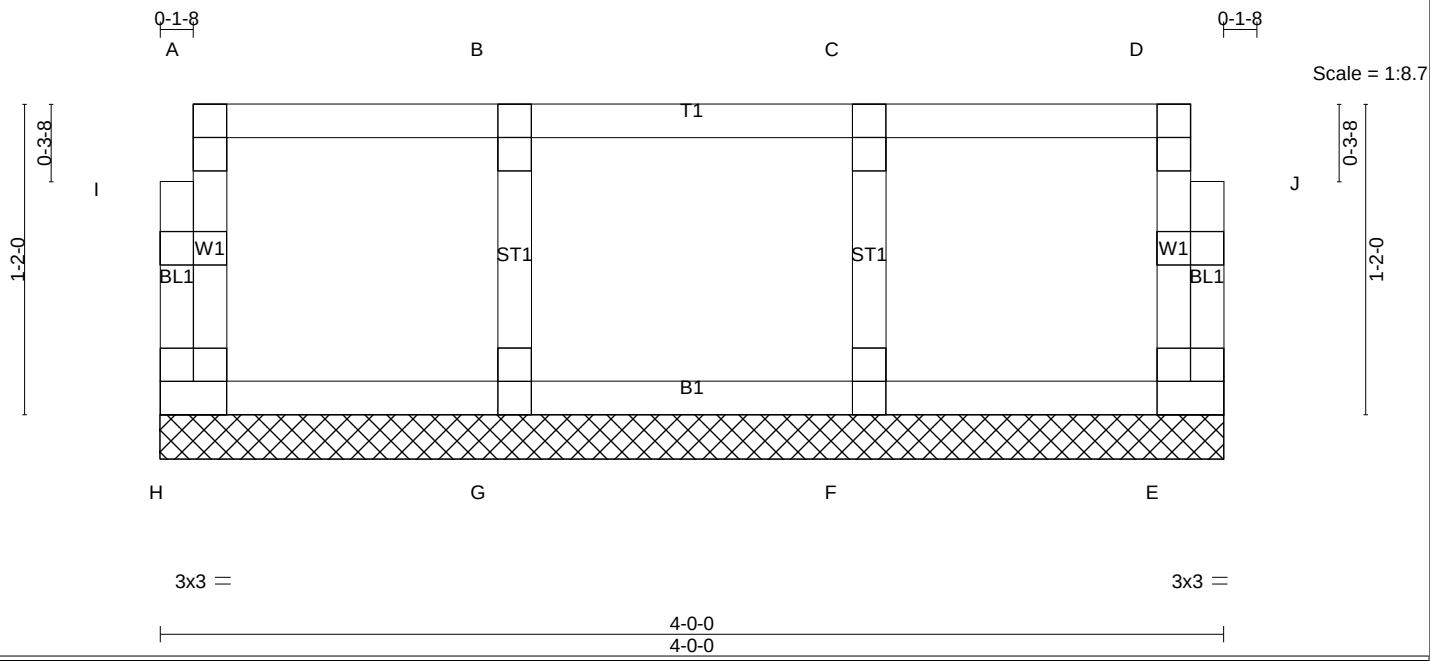

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	E	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							Weight: 19 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 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) H=67/4-0-0, E=67/4-0-0, G=169/4-0-0, F=169/4-0-0

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD H-I=-61/0, A-I=-60/0, E-J=-61/0, D-J=-60/0, A-B=-12/0, B-C=-12/0, C-D=-12/0
BOT CHORD G-H=0/12, F-G=0/12, E-F=0/12
WEBS B-G=-157/0, C-F=-157/0

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