Job	Truss	Truss Type	Qty	Ply	THE NELSON FLOOR CLASSIC
69020343	FG1	Floor Girder	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:54 2019 Page 1
ID:rI6G188vpH_Oqfn4vE1rAYzqDyf-US_YkvnCb0UpDtv7D?A5oj57NbVrQDcLq_k?pezFzUF

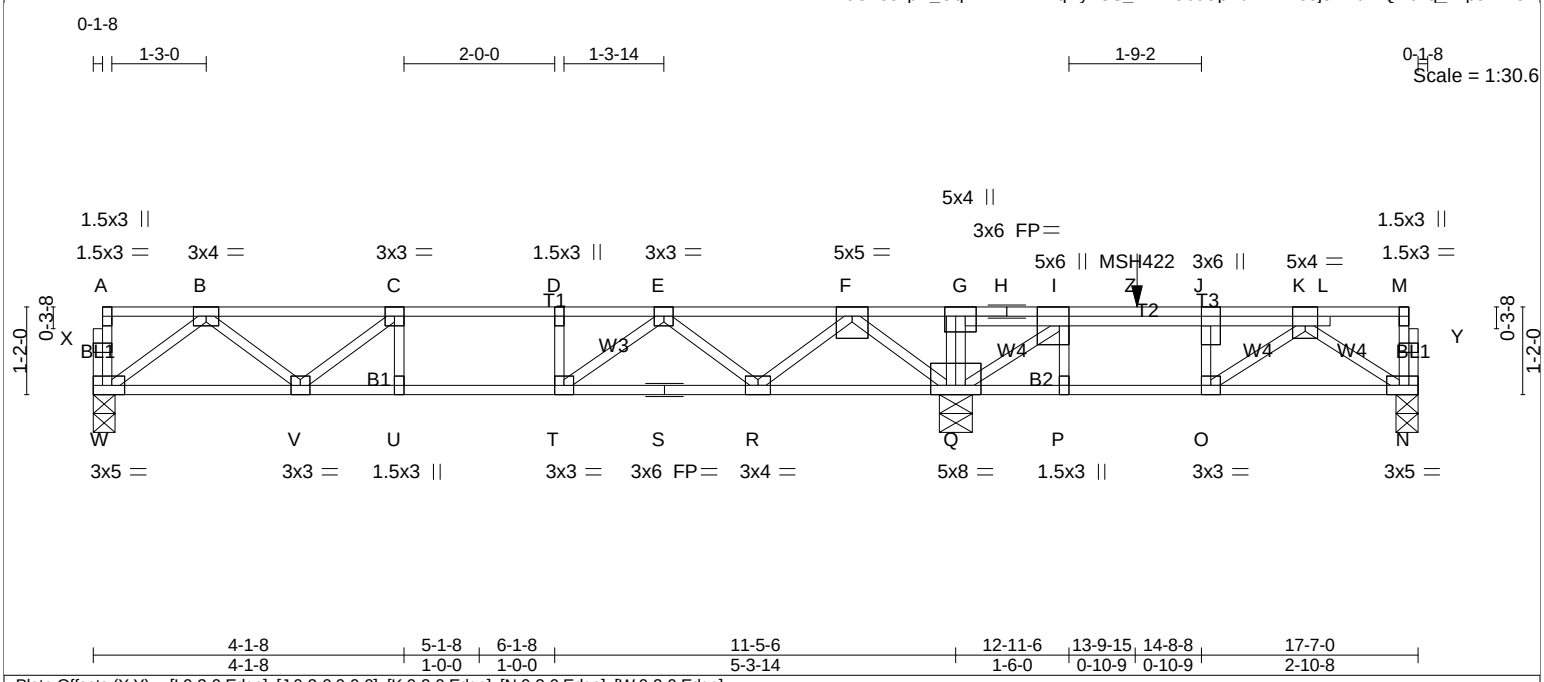


Plate Offsets (X,Y)-- [I:0-3-0,Edge], [J:0-3-0,0-0-0], [K:0-2-0,Edge], [N:0-2-0,Edge], [W:0-2-0,Edge]

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	0.63	Vert(LL)	-0.07	R-T	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.10	R-T	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.02	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 95 lb	FT = 20%F, 12%E

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

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

REACTIONS. (lb/size) W=657/0-3-8 (min. 0-1-8), Q=1376/0-5-4 (min. 0-1-8), N=277/0-3-8 (min. 0-1-8)
Max Grav W=660(LC 10), Q=1376(LC 1), N=362(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1213/0, C-D=-1611/0, D-E=-1611/0, E-F=-816/0, F-G=0/956, G-H=0/959, H-I=0/959, I-Z=-437/124, J-Z=-437/124, J-K=-437/124
BOT CHORD V-W=0/804, U-V=0/1611, T-U=0/1611, S-T=0/1350, R-S=0/1350, Q-R=0/256, P-Q=-124/437, O-P=-124/437, N-O=0/417
WEBS B-W=-1005/0, B-V=0/533, F-Q=-1302/0, F-R=0/747, E-R=-710/0, E-T=0/438, I-Q=-1216/0, K-N=-508/0, K-O=-283/25, C-V=-508/0

NOTES- (8)
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.
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.
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).
8) FG2 CONNECTION:End may be attached to 2 or more ply top chord of 19" maximum depth flat truss girder with USP MSH422 or equal. Follow USP instructions for installation. In addition, install 2x4 #2 SPF in top chord notch and attach to double top chord of girder with two-16d nails each side of carried truss.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: N-W=-10, A-M=-120
Concentrated Loads (lb)
Vert: Z=-73(F)

Job	Truss	Truss Type	Qty	Ply	THE NELSON FLOOR CLASSIC
69020343	FG2	Floor Girder	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:54 2019 Page 1
ID:rI6G188vpH_Oqfn4vE1rAYzqDyf-US_YkvnCb0UpDtv7D?A5oj5F3bejQIJLq_k?pezFzUF

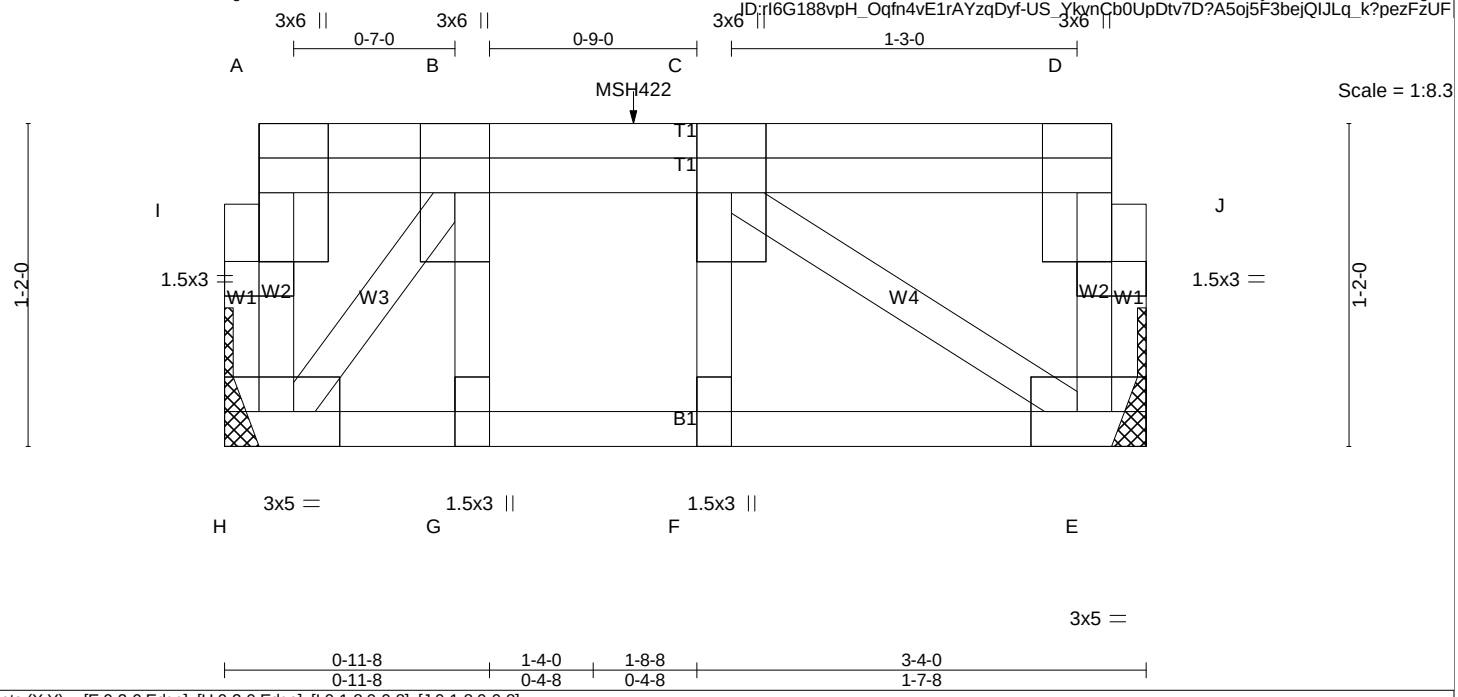


Plate Offsets (X,Y)-- [E:0-2-0,Edge], [H:0-2-0,Edge], [I:0-1-8,0-0-8], [J:0-1-8,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.07	Vert(LL)	-0.00	F	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	-0.00	F	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.00	E	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 25 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=193/Mechanical, E=193/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (7)
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.
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).
7) FT7 CONNECTION :Right end may be attached to 2 or more ply top chord of 19" maximum depth flat truss girder with USP MSH422 or equal. Follow USP instructions for installation. In addition, install 2x4 #2 SPF in top chord notch and attach to double top chord of girder with two-16d nails each side of carried truss.

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

Job	Truss	Truss Type	Qty	Ply	THE NELSON FLOOR CLASSIC
69020343	FT1	Floor	4	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:55 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-yeYwyFoqMKdgr0UJmjhKLxeFR?md9eNV3eTZL4zFzUE

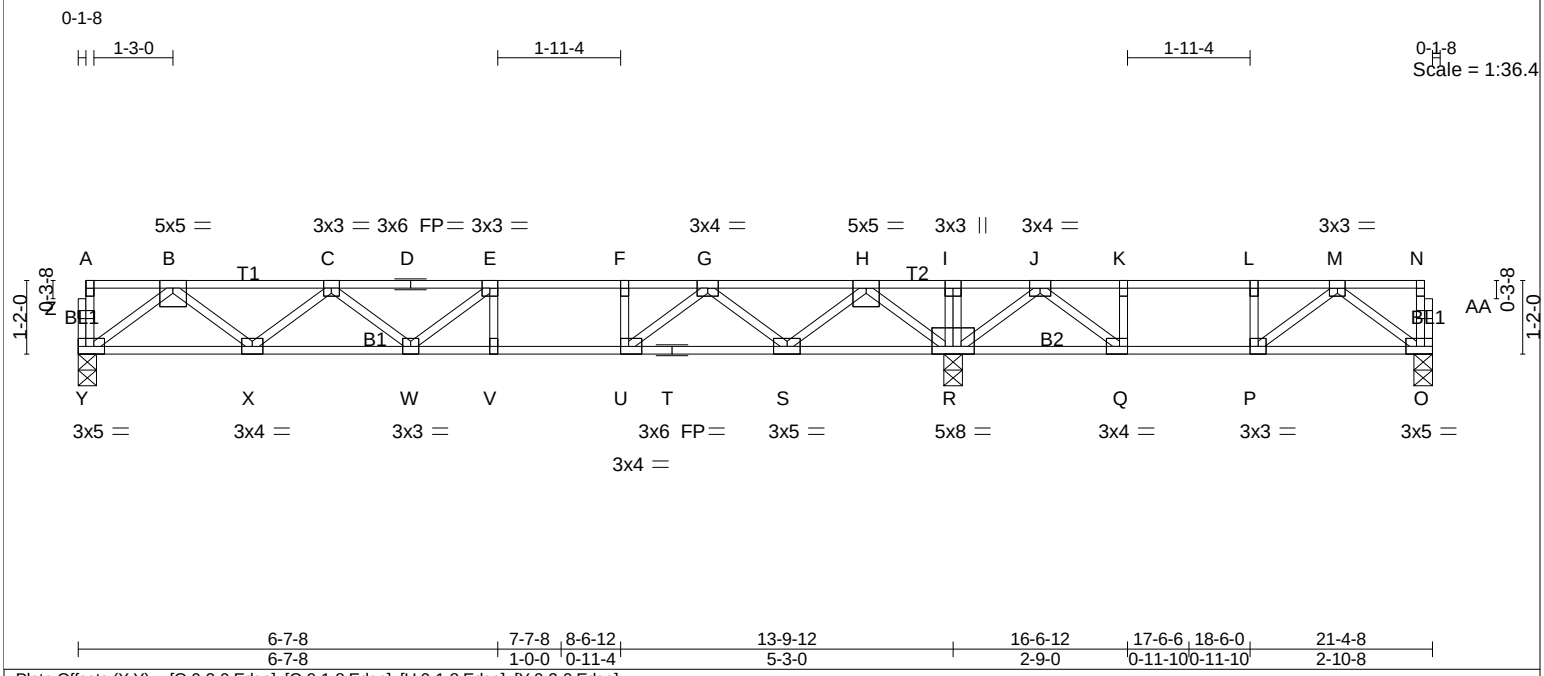


Plate Offsets (X,Y)-- [O:0-2-0,Edge], [Q:0-1-8,Edge], [U:0-1-8,Edge], [Y:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.80	Vert(LL)	-0.16	V-W	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.25	V-W	>651	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.04	O	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 5-10-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) Y=827/0-3-8 (min. 0-1-8), R=1531/0-3-8 (min. 0-1-8), O=374/0-3-8 (min. 0-1-8)
Max Grav Y=838(LC 10), R=1531(LC 1), O=426(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1666/0, C-D=-2474/0, D-E=-2474/0, E-F=-2544/0, F-G=-2544/0, G-H=-1283/0, H-I=0/805, I-J=0/805, J-K=-651/4, K-L=-651/4, L-M=-651/4
BOT CHORD X-Y=0/1026, W-X=0/2283, V-W=0/2544, U-V=0/2544, T-U=0/2006, S-T=0/2006, R-S=0/575, Q-R=-327/239, P-Q=-4/651, O-P=0/459
WEBS F-U=-332/0, B-Y=-1283/0, B-X=0/833, C-X=-803/0, C-W=0/301, H-R=-1438/0, H-S=0/945, G-S=-980/0, J-R=-814/0, J-Q=0/692, K-Q=-345/0, M-O=-571/0, E-W=-260/98, G-U=0/831

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	THE NELSON FLOOR CLASSIC
69020343	FT2	Floor	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:55 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-yeYwyFoqMKdgr0UJmjhKLxeMj?xH9iCV3eTZL4zFzUE

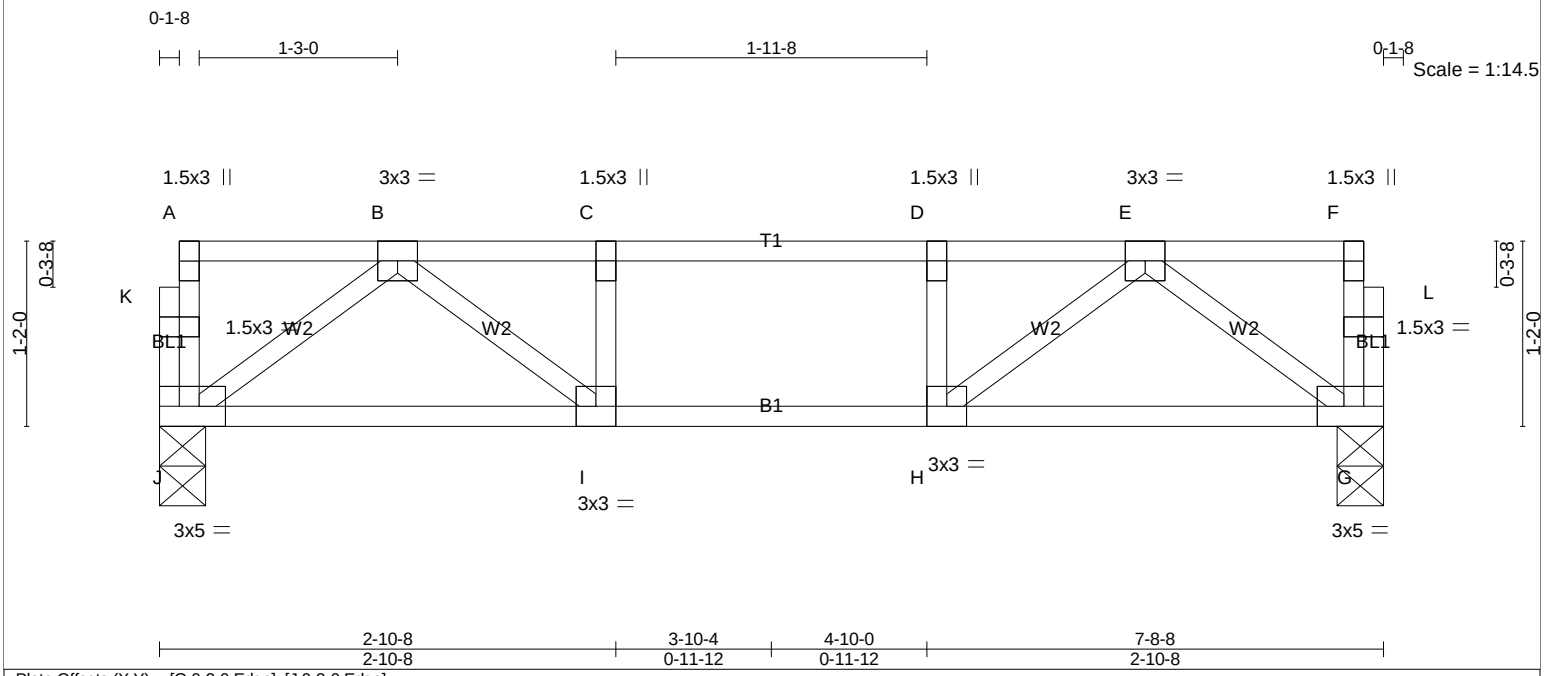


Plate Offsets (X,Y)-- [G:0-2-0,Edge], [J:0-2-0,Edge]

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	0.33	Vert(LL)	-0.03	I-J	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.04	I-J	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	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=477/0-3-8 (min. 0-1-8), G=477/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-834/0, C-D=-834/0, D-E=-834/0
BOT CHORD I-J=0/529, H-I=0/834, G-H=0/529
WEBS B-J=-658/0, B-I=0/432, E-G=-658/0, E-H=0/432

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	THE NELSON FLOOR CLASSIC
69020343	FT3	Floor	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:56 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-Qq6I9bpS7elXSA3WKQCZt8ASpP8Ku4JeHID6tWzFzUD

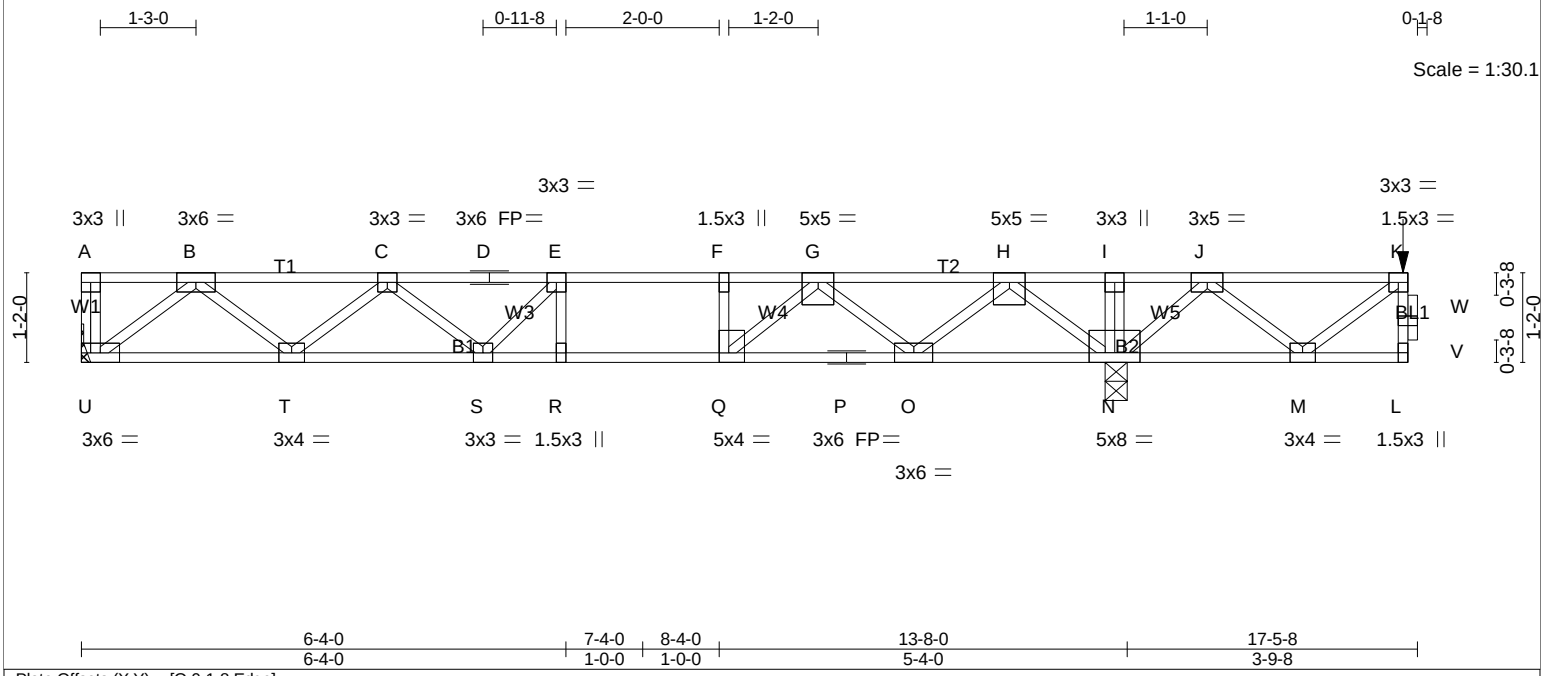


Plate Offsets (X,Y)-- [Q:0-1-8,Edge]

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	0.69	Vert(LL)	-0.13	R-S	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.20	R-S	>792	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.53	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=715/Mechanical, N=1814/0-3-8 (min. 0-1-8)
Max Grav U=810(LC 3), N=1814(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1574/0, C-D=-2300/0, D-E=-2300/0, E-F=-2316/15, F-G=-2316/15, G-H=-1082/946, H-I=0/1951, I-J=0/1950, J-K=0/544
BOT CHORD T-U=0/982, S-T=0/2140, R-S=-15/2316, Q-R=-15/2316, P-Q=-494/1798, O-P=-494/1798, N-O=-1360/389, M-N=-1072/0
WEBS E-R=-352/0, F-Q=-473/0, B-U=-1233/0, B-T=0/770, C-T=-737/0, C-S=-159/304, E-S=-233/443, H-N=-1564/0, H-O=0/1031, G-O=-1106/0, G-Q=0/1123, K-M=-694/0, J-M=0/690, J-N=-1158/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) 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	THE NELSON FLOOR CLASSIC
69020343	FT4	Floor	3	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:56 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-Qq6l9bpS7elXSA3WKQCZt8AQXP6Nu6AeHID6tWzFzUD

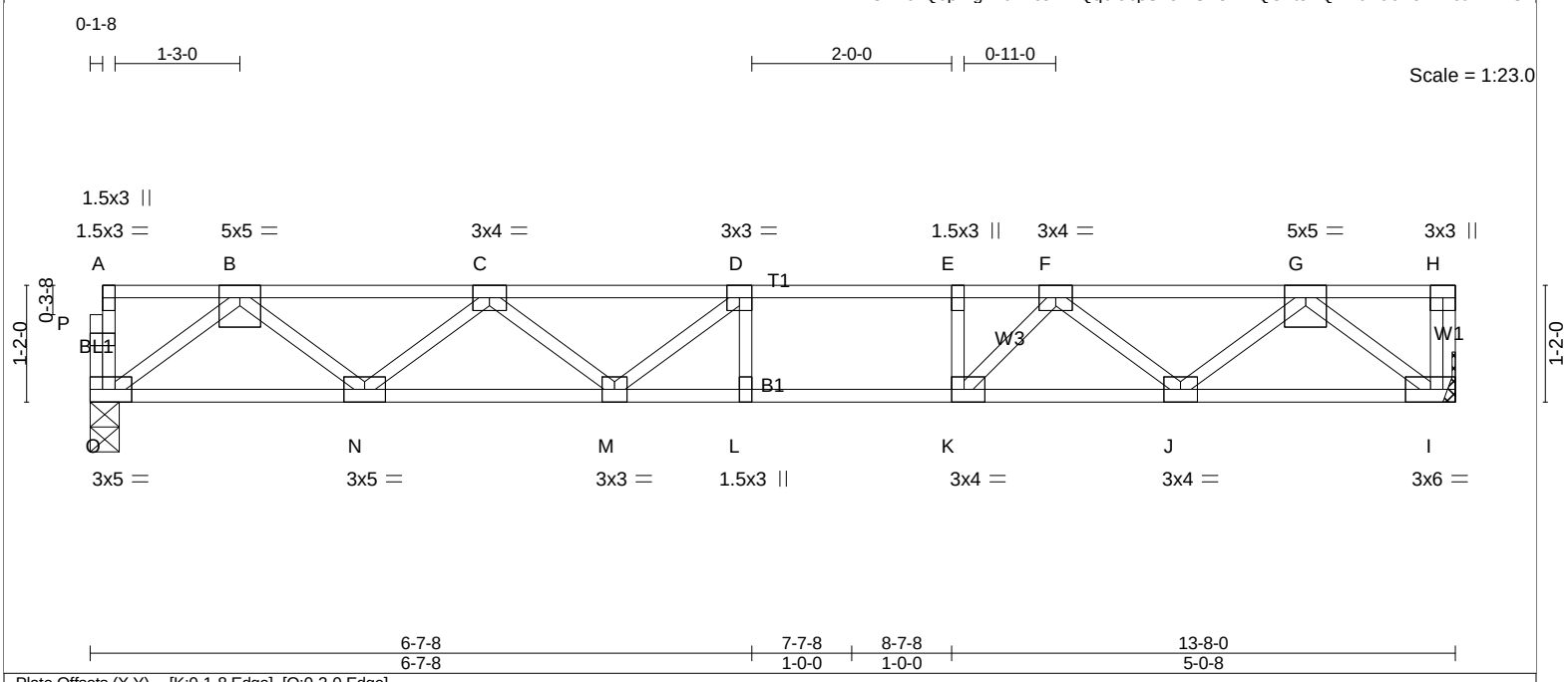


Plate Offsets (X,Y)-- [K:0-1-8,Edge], [O:0-2-0,Edge]

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	0.78	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 5-11-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) O=865/0-3-8 (min. 0-1-8), I=872/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1732/0, C-D=-2603/0, D-E=-2729/0, E-F=-2729/0, F-G=-1707/0
BOT CHORD N-O=0/1062, M-N=0/2377, L-M=0/2729, K-L=0/2729, J-K=0/2358, I-J=0/1071
WEBS E-K=-357/0, B-O=-1328/0, B-N=0/872, C-N=-840/0, C-M=0/379, D-M=-379/35, G-I=-1343/0, G-J=0/828, F-J=-847/0, F-K=0/727

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	THE NELSON FLOOR CLASSIC
69020343	FT5	Floor	5	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:56 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-Qq6I9bpS7elXSA3WKQCZt8AROP6au6zeHID6tWzFzUD

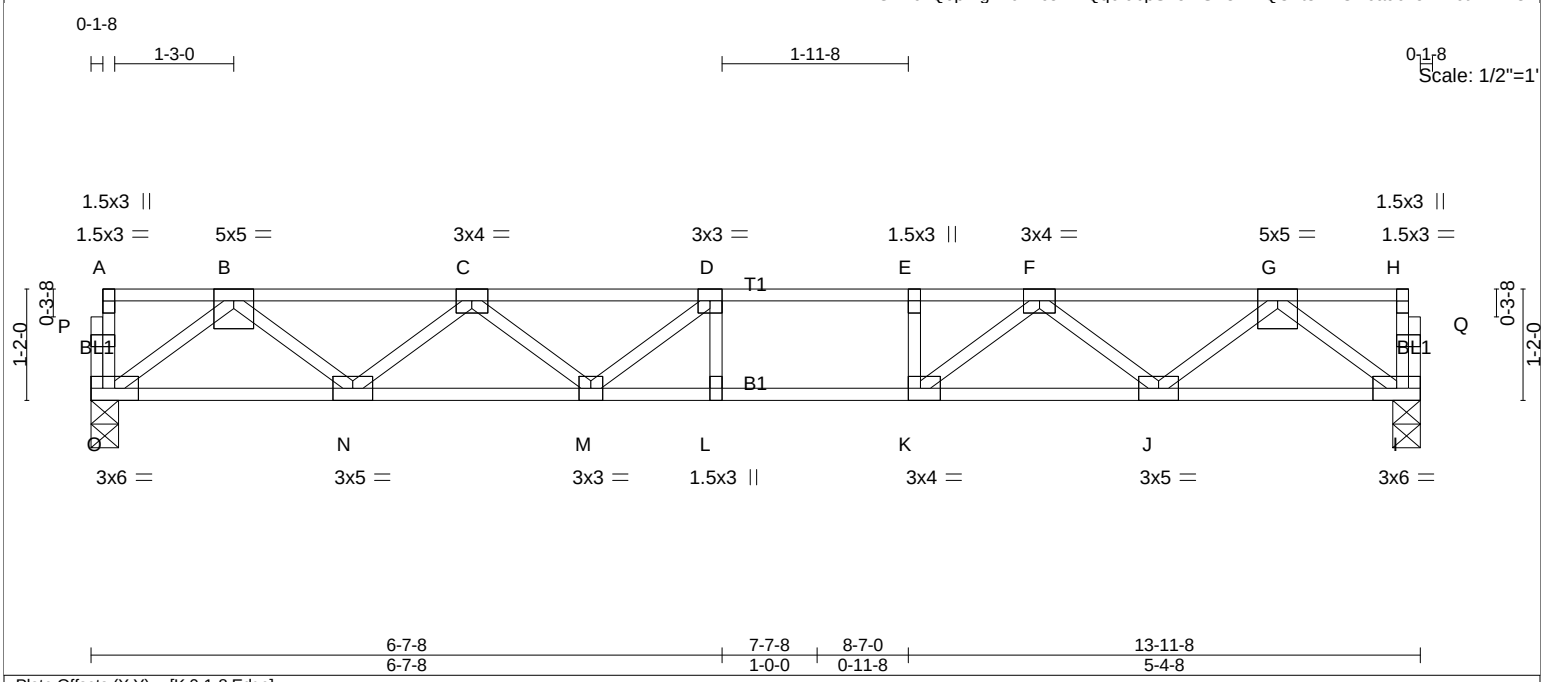


Plate Offsets (X,Y)-- [K:0-1-8,Edge]

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	0.72	Vert(LL)	-0.16	L-M	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.25	L-M	>655	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=884/0-3-8 (min. 0-1-8), I=884/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1779/0, C-D=-2697/0, D-E=-2865/0, E-F=-2865/0, F-G=-1757/0
BOT CHORD N-O=0/1087, M-N=0/2444, L-M=0/2865, K-L=0/2865, J-K=0/2417, I-J=0/1096
WEBS E-K=-306/0, B-O=-1361/0, B-N=0/900, C-N=-866/0, C-M=0/408, G-I=-1372/0, G-J=0/861, F-J=-860/0, D-M=-428/7, F-K=0/748

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	THE NELSON FLOOR CLASSIC
69020343	FT6	Floor	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:57 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-u0ghMxp4uxtO4Keiu8joQMjc8pWcdadoWyyfPzzFzUC

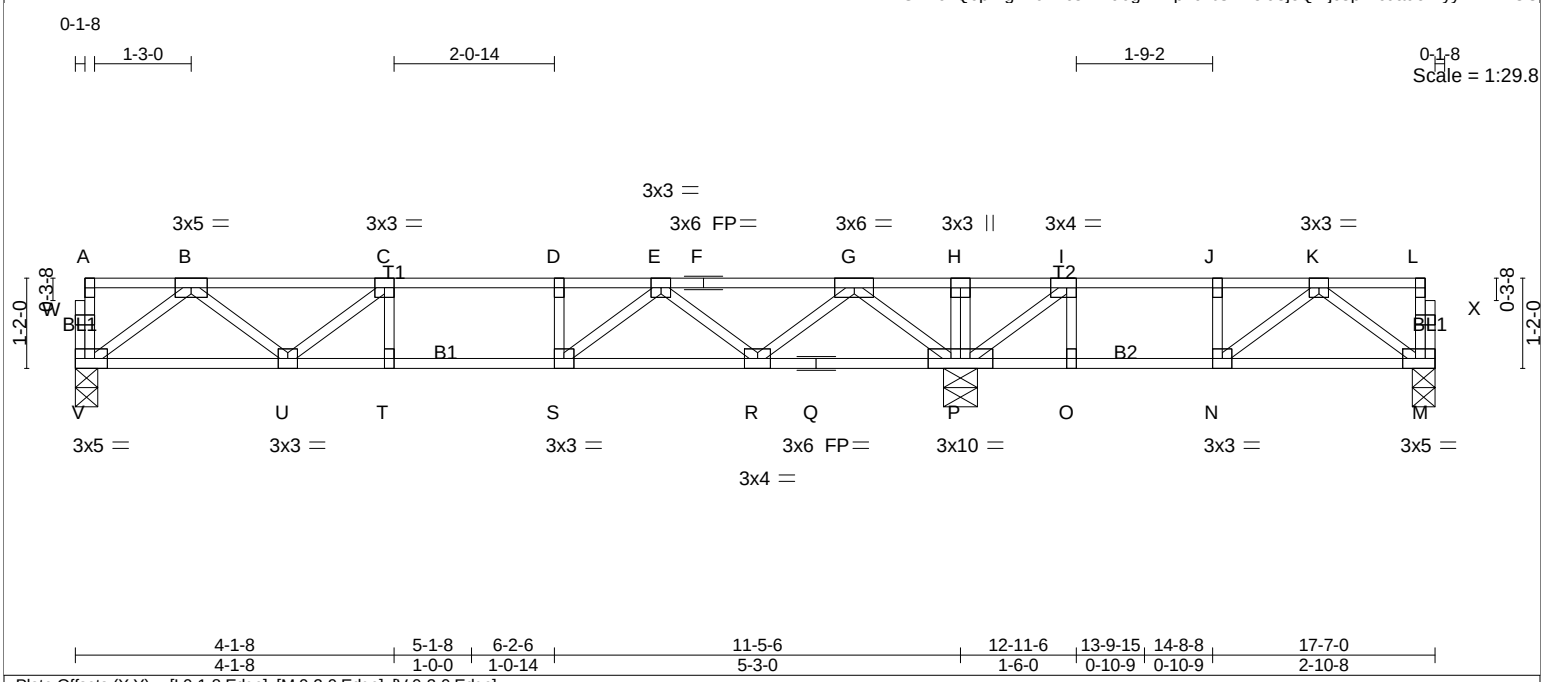


Plate Offsets (X,Y)-- [I:0-1-8,Edge], [M:0-2-0,Edge], [V:0-2-0,Edge]

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	0.72	Vert(LL)	-0.09	R-S	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.13	R-S	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	M	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 88 lb	FT = 20%F, 12%E

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

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

REACTIONS. (lb/size) V=693/0-3-8 (min. 0-1-8), P=1228/0-5-4 (min. 0-1-8), M=317/0-3-8 (min. 0-1-8)
Max Grav V=699(LC 10), P=1228(LC 1), M=374(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1312/0, C-D=-1793/0, D-E=-1793/0, E-F=-1142/0, F-G=-1142/0, G-H=0/502, H-I=0/502, I-J=-485/81, J-K=-485/81
BOT CHORD U-V=0/846, T-U=0/1793, S-T=0/1793, R-S=0/1620, Q-R=0/614, P-Q=0/614, O-P=-81/485, N-O=-81/485, M-N=0/391
WEBS B-V=-1058/0, B-U=0/606, G-P=-1207/0, G-R=0/709, E-R=-656/0, E-S=0/380, I-P=-891/0, K-M=-487/0, C-U=-615/0

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	THE NELSON FLOOR CLASSIC
69020343	FT7	Floor	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:58 2019 Page 1
ID:rI6G188vpH_Oqfn4vE1rAYzqDyf-MDE3aGqjfF?FiUDuSrE1yZGqZCoOM2CxlciDyPzFzUB

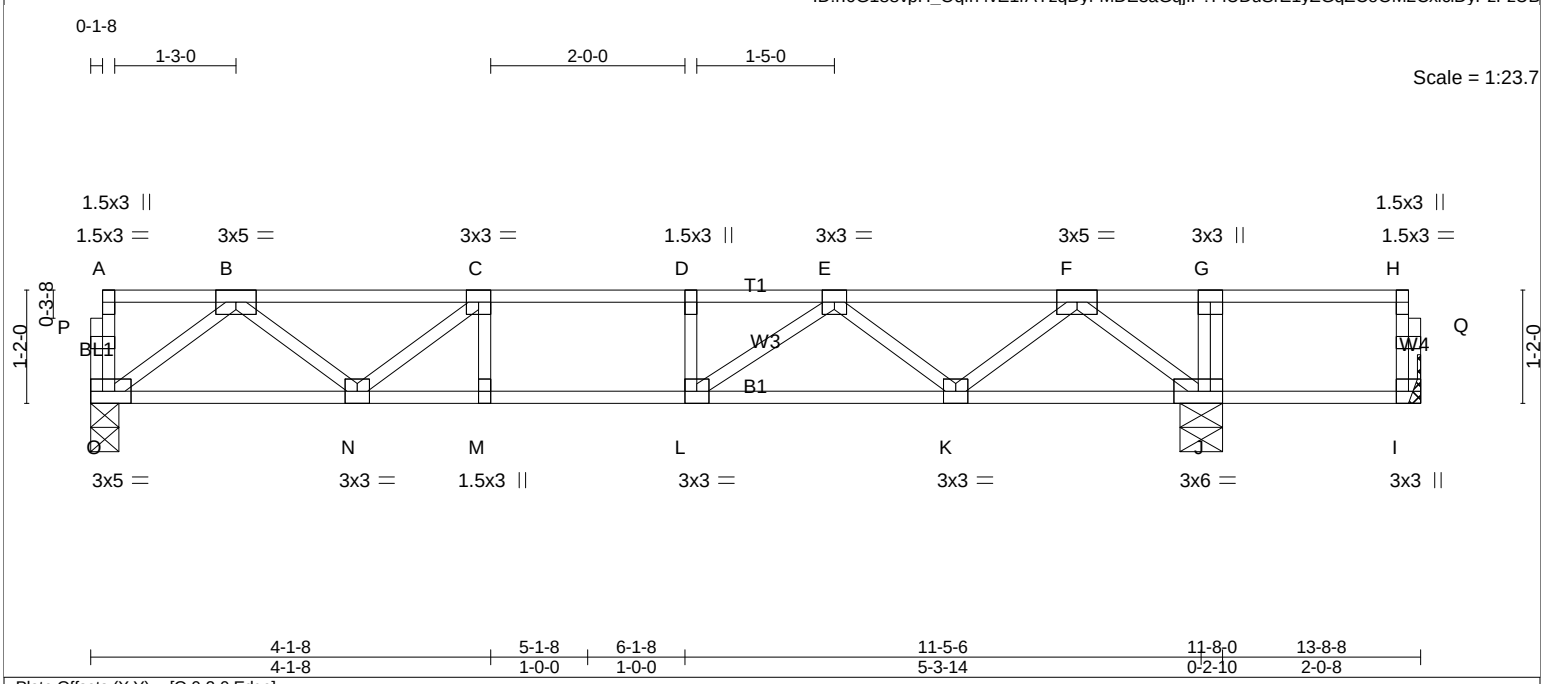


Plate Offsets (X,Y)-- [O:0-2-0,Edge]

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	0.55	Vert(LL)	-0.12	K-L	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.18	K-L	>748	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.03	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 10-0-0 oc bracing, Except:
2-2-0 oc bracing: L-M.

REACTIONS. (lb/size) I=85/Mechanical, O=727/0-3-8 (min. 0-1-8), J=922/0-5-4 (min. 0-1-8)
Max Grav I=100(LC 4), O=729(LC 3), J=922(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1390/0, C-D=-1942/0, D-E=-1942/0, E-F=-1355/0
BOT CHORD N-O=0/880, M-N=0/1942, L-M=0/1942, K-L=0/1817, J-K=0/853
WEBS G-J=-261/0, B-O=-1100/0, B-N=0/664, C-N=-717/0, F-J=-1069/0, F-K=0/660, E-K=-608/0, E-L=-10/379

NOTES- (5)
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.
5) MSH422U: right end may be attached to 2 or more ply top chord of 19" maximum depth flat truss girder with USP MSH422 or equal. Follow USP instructions for installation. In addition, install 2x4 #2 SPF in top chord notch and attach to double top chord of girder with two-16d nails each side of carried truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	THE NELSON FLOOR CLASSIC
69020343	FT8	Floor	7	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:58 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-MDE3aGqjfF?FiUDuSrE1yZGpOCsFM1kxlciDyPzFzUB

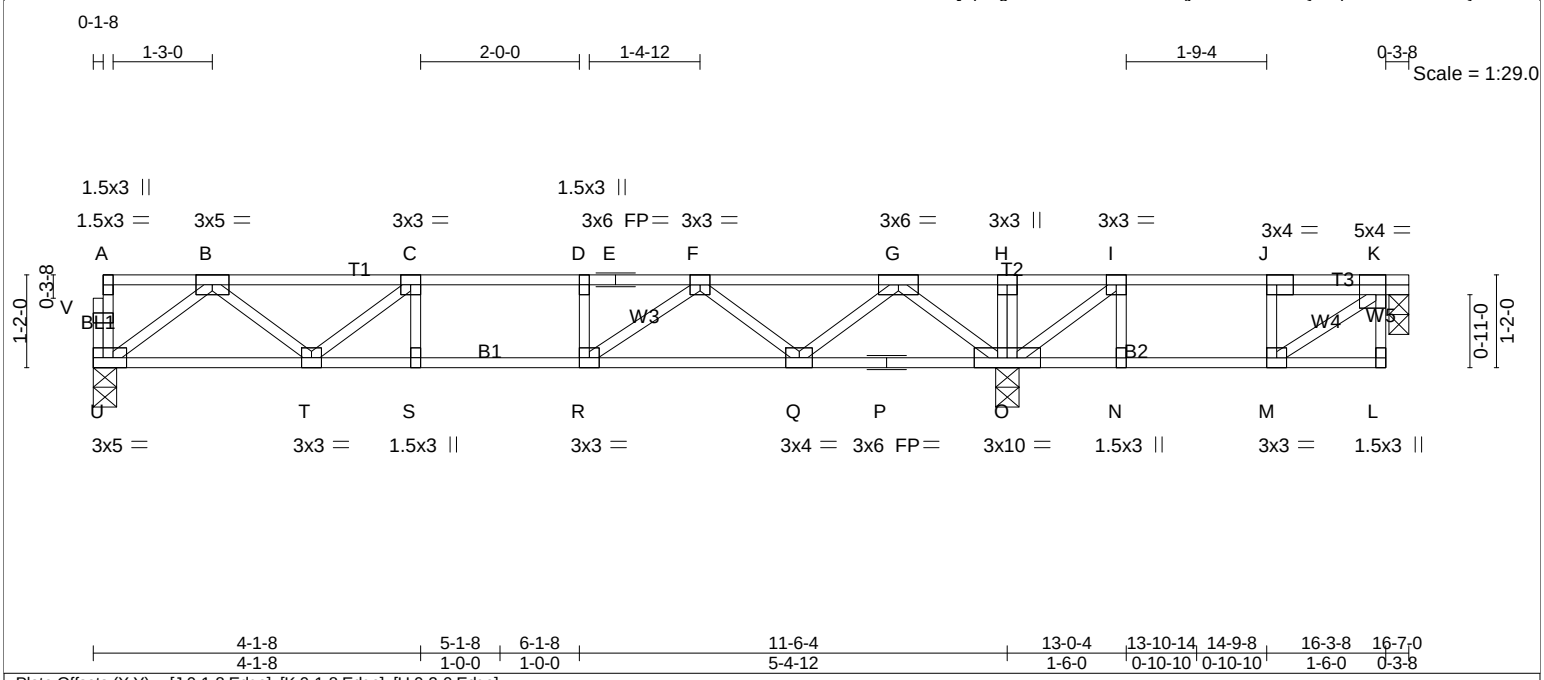


Plate Offsets (X,Y)-- [J:0-1-8,Edge], [K:0-1-8,Edge], [U:0-2-0,Edge]

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	0.63	Vert(LL)	-0.09	Q-R	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.13	Q-R	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.02	O	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 84 lb	FT = 20%F, 12%E

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

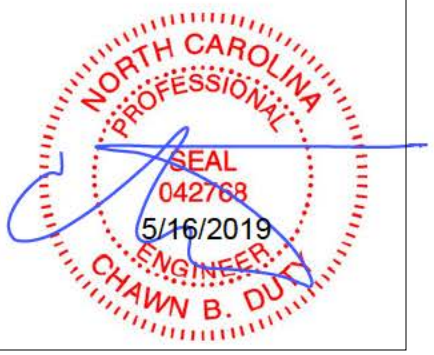
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: N-O,M-N.

REACTIONS. (lb/size) K=189/0-3-0 (min. 0-1-8), U=685/0-3-8 (min. 0-1-8), O=1212/0-3-8 (min. 0-1-8)
Max Grav K=257(LC 4), U=690(LC 10), O=1212(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1290/0, C-D=-1756/0, D-E=-1756/0, E-F=-1756/0, F-G=-1042/0, G-H=0/606, H-I=0/606
BOT CHORD T-U=0/837, S-T=0/1756, R-S=0/1756, Q-R=0/1545, P-Q=0/494, O-P=0/494
WEBS B-U=-1047/0, B-T=0/590, C-T=-594/0, G-O=-1217/0, G-Q=0/727, F-Q=-673/0, F-R=0/426, K-M=-167/255, I-O=-767/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	THE NELSON FLOOR CLASSIC
69020343	FT9	FLOOR	7	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:59 2019 Page 1
ID:9yBxg7ImwjDfCQ1VS03C7BznVFX-qPnRncrLQZ76Jeo4?YlGVno3xcBq5OC5_GRmUrzFzUA

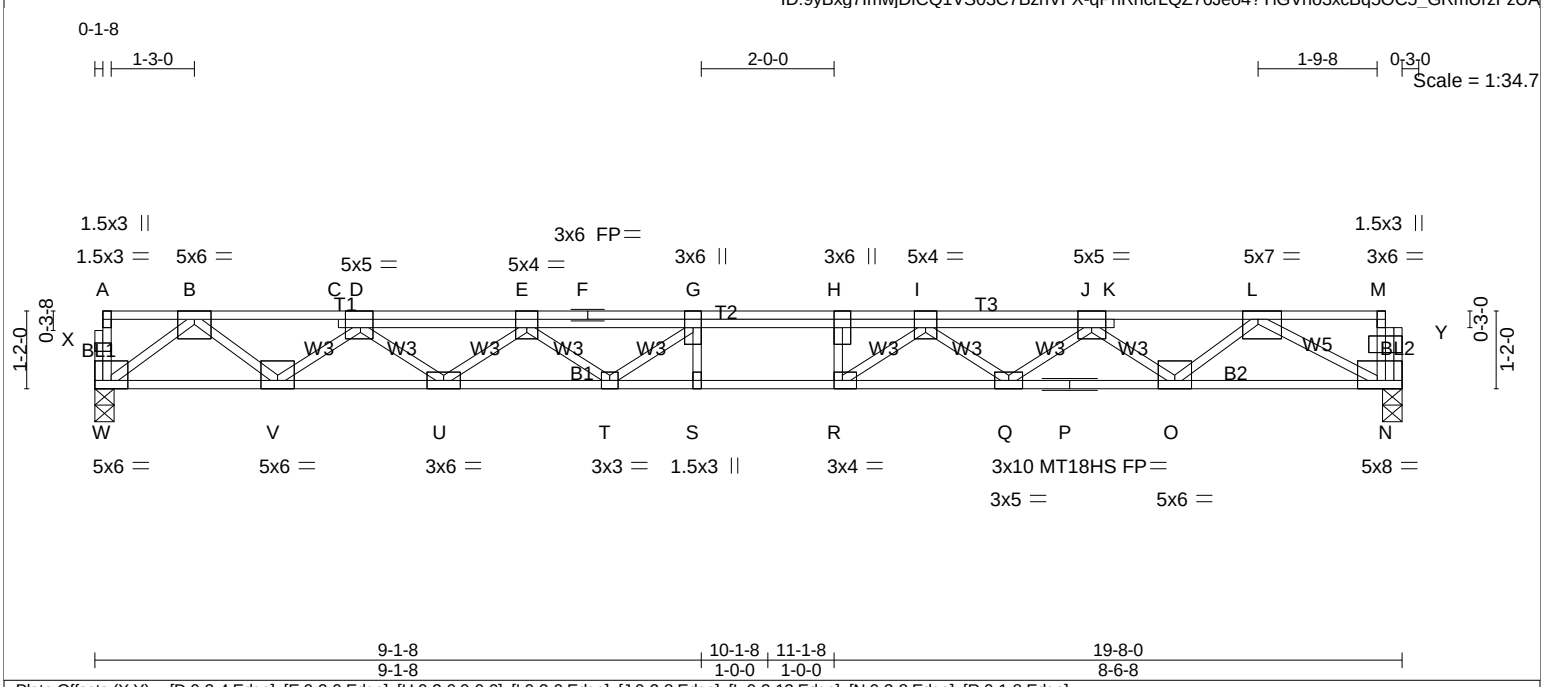


Plate Offsets (X,Y)-- [D:0-2-4,Edge], [E:0-2-0,Edge], [H:0-3-0,0-0-0], [I:0-2-0,Edge], [J:0-2-8,Edge], [L:0-2-12,Edge], [N:0-3-8,Edge], [R:0-1-8,Edge]

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	0.32	Vert(LL)	-0.32	S	>715	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.53	R-S	>440	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.10	N	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 114 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 (min. 0-1-8), N=1243/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2715/0, C-D=-2702/0, D-E=-4728/0, E-F=-5828/0, F-G=-5828/0, G-H=-6106/0, H-I=-6106/0, I-J=-5036/0, J-K=-3207/0, K-L=-3228/0
BOT CHORD V-W=0/1558, U-V=0/3911, T-U=0/5517, S-T=0/6106, R-S=0/6106, Q-R=0/5721, P-Q=0/4326, O-P=0/4326, N-O=0/2160
WEBS H-R=-456/22, B-W=-1950/0, B-V=0/1506, D-V=-1520/0, D-U=0/1038, E-U=-1002/0, E-T=0/616, G-T=-638/18, I-R=-49/890, I-Q=-870/0, J-Q=0/902, J-O=-1394/0, L-O=0/1391, L-N=-2428/0

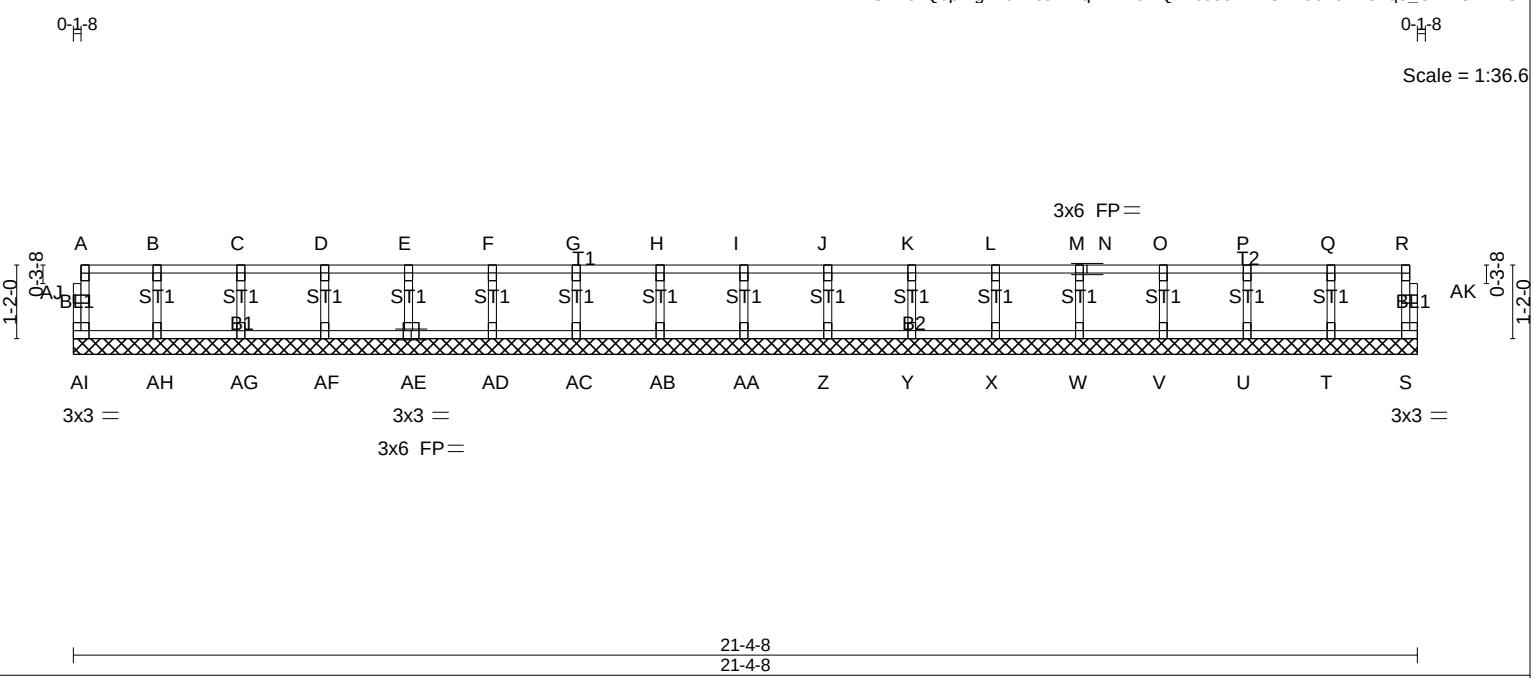
NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 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	THE NELSON FLOOR CLASSIC
69020343	KW1	Floor Supported Gable	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:10:59 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-qPnRncrLQZ76Jeo4?YlGVno6TcMh5Zq5_GRmUrzFzUA



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. All bearings 21-4-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) AI, S, AH, AG, AF, AE, AD, AC, AB, AA, Z, Y, X, W, V, U, T

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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

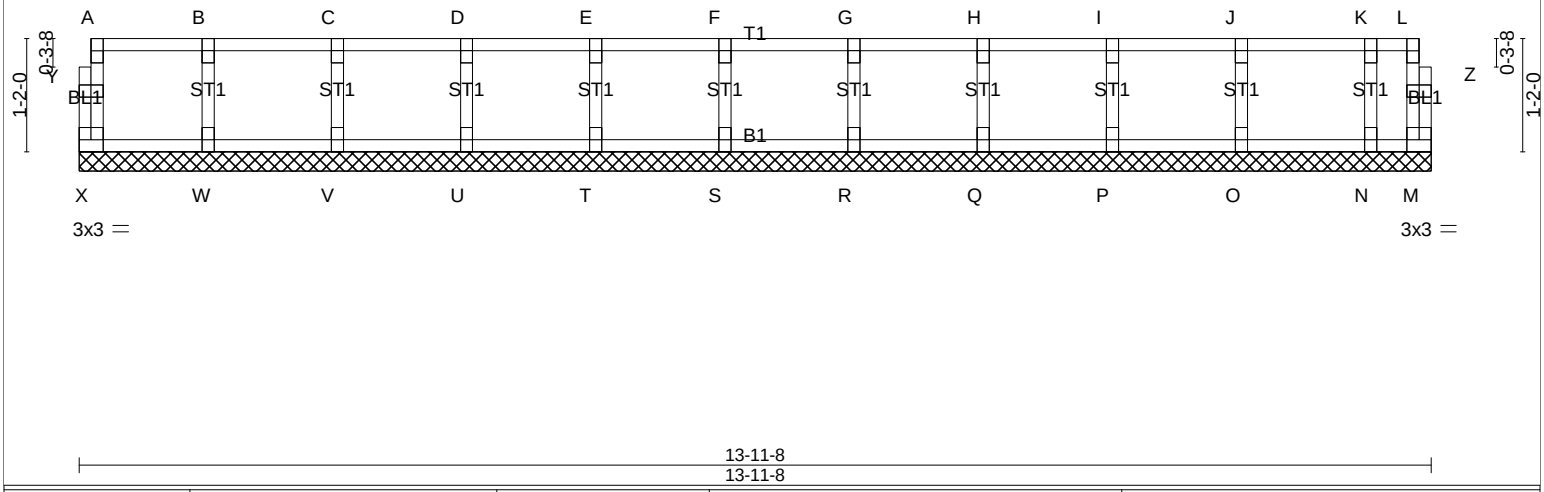
Job	Truss	Truss Type	Qty	Ply	THE NELSON FLOOR CLASSIC
69020343	KW2	Floor Supported Gable	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:11:00 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-JbLp?yszBsFzxoNHZGGV2_LH80itq03ECwBK0IzFzU9

0-1-8 0-1-8

Scale: 1/2"=1'



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. All bearings 13-11-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) X, M, W, V, U, T, S, R, Q, P, O, N

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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

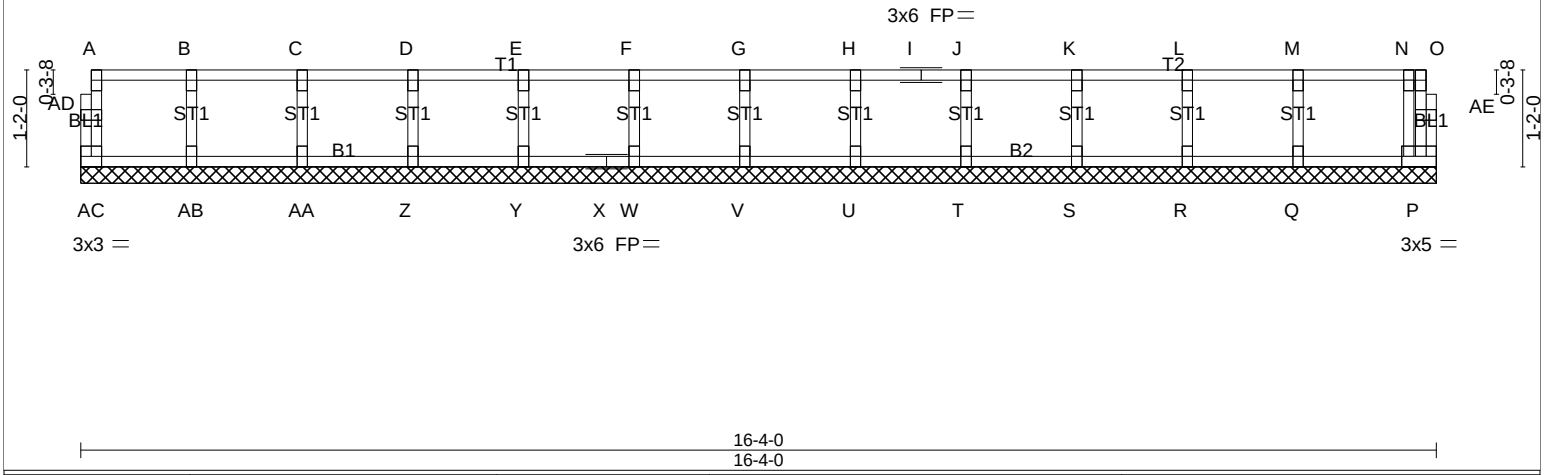
Job	Truss	Truss Type	Qty	Ply	THE NELSON FLOOR CLASSIC
69020343	KW3	Floor Supported Gable	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:11:00 2019 Page 1
ID:xhIzMnvGHv6zQ6pXlgn70Kzc57X-JbLp?yszBsFzxoNHZGGV2_LH20iqq01ECwBK0IzFzU9

0-1-8 0-1-8

Scale = 1:27.8



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.03	Vert(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. All bearings 16-4-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) AC, P, AB, AA, Z, Y, W, V, U, T, S, R, Q

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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.

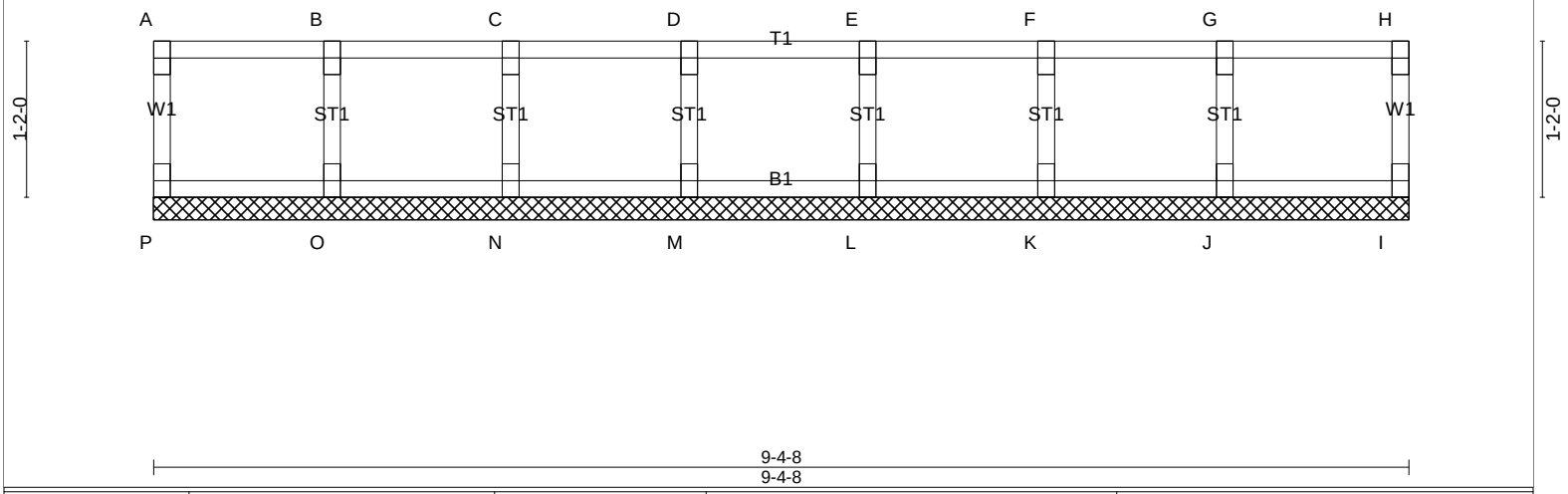
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	THE NELSON FLOOR CLASSIC
69020343	KW5	Floor Supported Gable	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu May 16 10:11:00 2019 Page 1
ID:rI6G188vpH_Oqfn4vE1rAYzqDyf-JbLp?yszBsFzxoNHZGGV2_LH60izq02ECwBK0IzFzU9

Scale = 1:17.1



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. All bearings 9-4-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) P, I, O, N, M, L, K, J

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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