Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	F200	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.51 S Oct 22 2021 Print: 8.510 S Oct 22 2021 MiTek Industries, Inc. Thu Jun 16 10:53:22 — Page: 1

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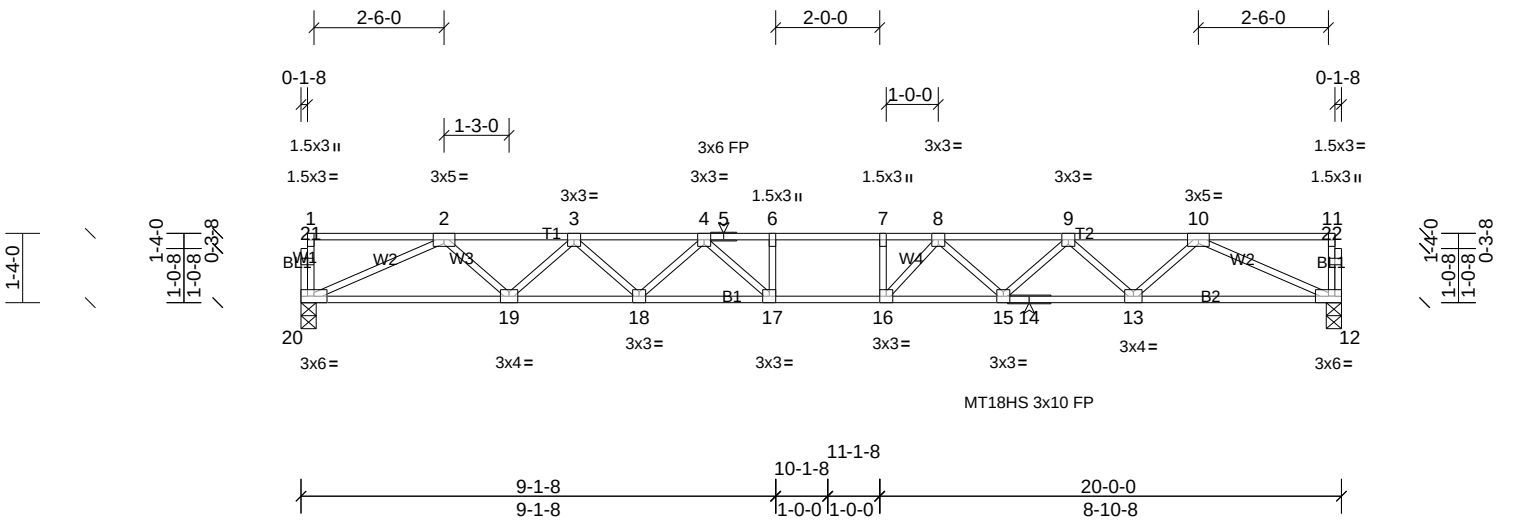

Scale = 1:44.5

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.29	16-17	>803	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.41	16-17	>584	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 101 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.1(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) 12=863/0-3-8, (min. 0-1-8), 20=863/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2224/0, 3-4=-3073/0, 4-5=-3515/0, 5-6=-3515/0, 6-7=-3515/0, 7-8=-3515/0, 8-9=-3070/0, 9-10=-2224/0
BOT CHORD	19-20=0/1665, 18-19=0/2752, 17-18=0/3373, 16-17=0/3515, 15-16=0/3375, 14-15=0/2752, 13-14=0/2752, 12-13=0/1666
WEBS	7-16=-275/25, 2-20=-1829/0, 2-19=0/776, 3-19=-735/0, 3-18=0/447, 4-18=-417/0, 4-17=-122/493, 10-12=-1829/0, 10-13=0/777, 9-13=-733/0, 9-15=0/443, 8-15=-427/0, 8-16=-118/511

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x3 MT20 unless otherwise indicated.
4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	F201	Truss	7	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.51 S Oct 22 2021 Print: 8.510 S Oct 22 2021 MiTek Industries, Inc. Thu Jun 16 10:53:23 — Page: 1

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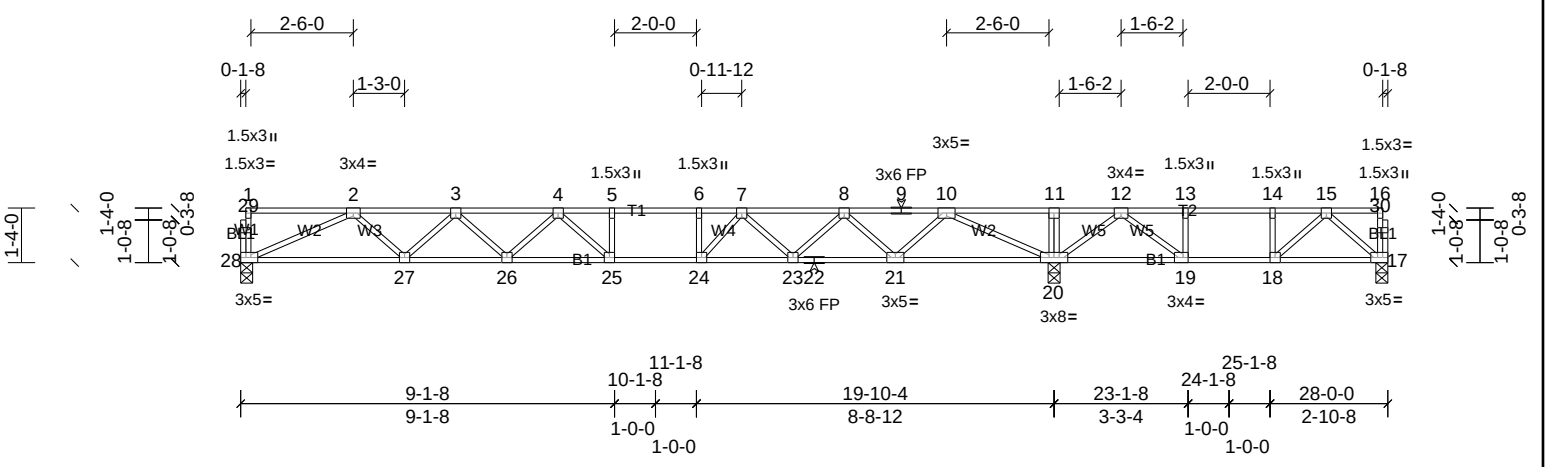


Scale = 1:56.5

Plate Offsets (X, Y): [17:0-2-0,Edge], [19:0-1-8,Edge], [28:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.28	25-26	>860	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.38	25-26	>626	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.06	20	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 141 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	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, Except: 6-0-0 oc bracing: 19-20,18-19,17-18.

REACTIONS (lb/size) 17=163/0-3-8, (min. 0-1-8), 20=1481/0-3-8, (min. 0-1-8), 28=786/0-3-8, (min. 0-1-8)
Max Uplift 17=-74 (LC 3)
Max Grav 17=282 (LC 4), 20=1481 (LC 1), 28=795 (LC 10)

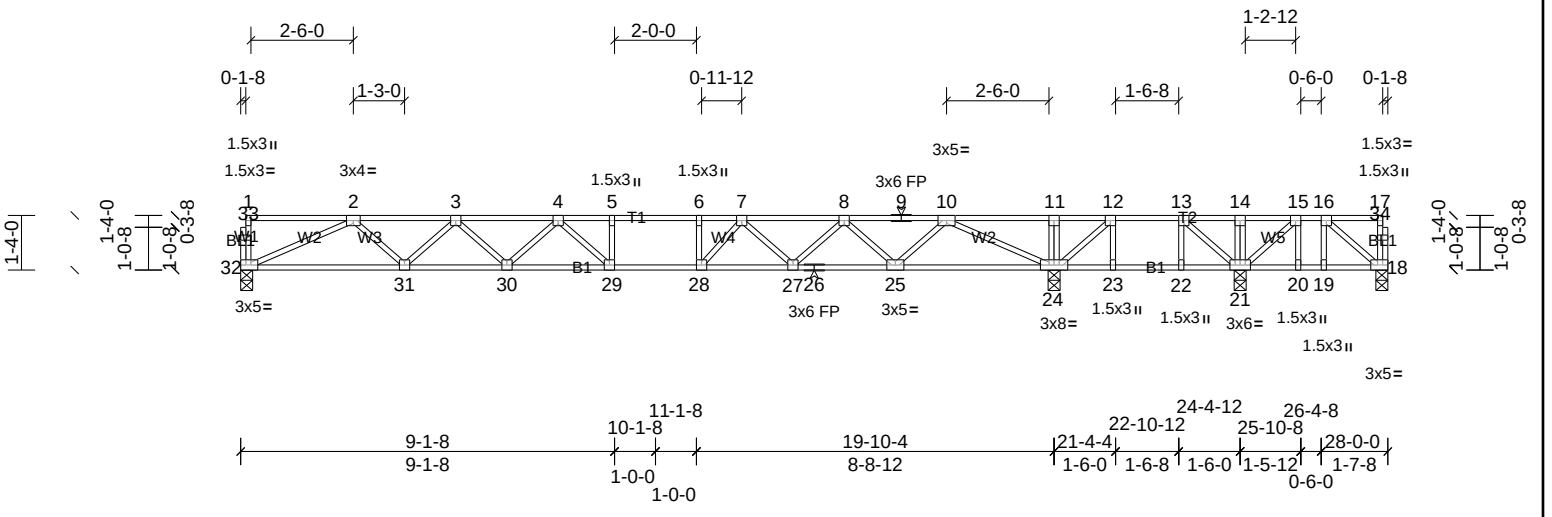
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2005/0, 3-4=-2724/0, 4-5=-2955/0, 5-6=-2955/0, 6-7=-2955/0, 7-8=-2318/0, 8-9=-1344/0, 9-10=-1344/0, 10-11=0/1272, 11-12=0/1267, 12-13=-360/370, 13-14=-360/370, 14-15=-360/370
BOT CHORD	27-28=0/1518, 26-27=0/2466, 25-26=0/2942, 24-25=0/2955, 23-24=0/2705, 22-23=0/1941, 21-22=0/1941, 20-21=0/708, 19-20=-792/44, 18-19=-370/360, 17-18=-113/260
WEBS	6-24=-334/0, 13-19=-335/0, 15-17=-343/149, 15-18=-350/136, 2-28=-1666/0, 2-27=0/677, 3-27=-641/0, 3-26=0/360, 4-26=-303/0, 4-25=-239/319, 10-20=-1953/0, 10-21=0/904, 8-21=-853/0, 8-23=0/544, 7-23=-563/0, 7-24=0/628, 12-20=-742/0, 12-19=0/727

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 17.
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 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	F202	Truss	1	1	Job Reference (optional)



Scale = 1:56.5

Plate Offsets (X, Y): [18:0-2-0,Edge], [32:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.89	Vert(LL)	-0.27	29-30	>879	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.37	29-30	>639	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.05	24	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 147 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	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 6-0-0 oc bracing.

REACTIONS All bearings 0-3-8.

(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 18=-319 (LC 3)

Max Grav All reactions 250 (lb) or less at joint(s) 18 except 21=597 (LC 14), 24=1290 (LC 13), 32=770 (LC 14)

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

TOP CHORD 2-3=-1922/0, 3-4=-2593/0, 4-5=-2744/0, 5-6=-2744/0, 6-7=-2744/0, 7-8=-2033/0, 8-9=-1008/0, 9-10=-1008/0, 10-11=0/1501, 11-12=0/1498, 12-13=0/1205, 13-14=0/1045, 14-15=0/1045, 15-16=0/488

BOT CHORD 31-32=0/1462, 30-31=0/2358, 29-30=0/2780, 28-29=0/2744, 27-28=0/2452, 26-27=0/1630, 25-26=0/1630, 24-25=0/351, 23-24=-1205/0, 22-23=-1205/0, 21-22=-1205/0, 20-21=-488/0, 19-20=-488/0, 18-19=-488/0

WEBS 6-28=-342/0, 13-21=-136/268, 12-24=-502/0, 15-21=-821/0, 16-18=0/640, 15-20=0/254, 2-32=-1605/0, 2-31=0/639, 3-31=-606/0, 3-30=0/327, 4-30=-265/0, 4-29=-256/282, 10-24=-1996/0, 10-25=0/918, 8-25=-871/0, 8-27=0/564, 7-27=-588/0, 7-28=0/644

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 318 lb uplift at joint 18.
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 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	F203	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.51 S Oct 22 2021 Print: 8.510 S Oct 22 2021 MiTek Industries, Inc. Thu Jun 16 10:53:24 — Page: 1

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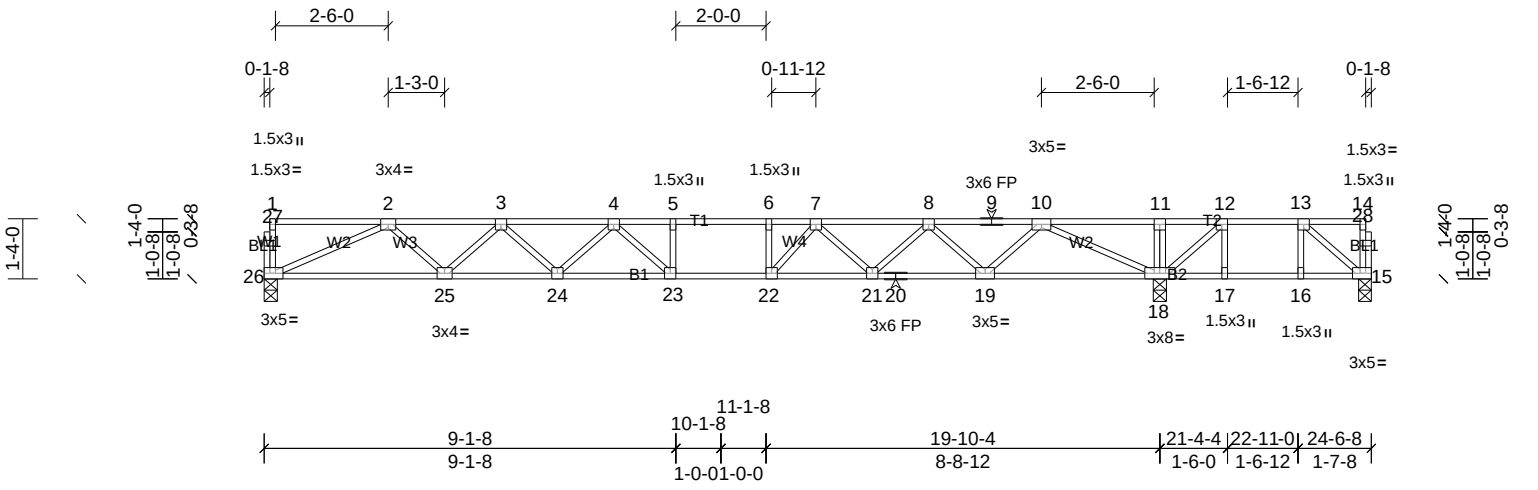


Scale = 1:51.3

Plate Offsets (X, Y): [15:0-2-0,Edge], [26:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.84	Vert(LL)	-0.28	23-24	>850	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.38	23-24	>619	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.06	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 126 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	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, Except: 6-0-0 oc bracing: 17-18,16-17,15-16.

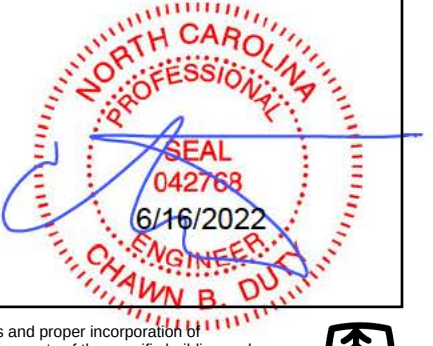
REACTIONS (lb/size) 15=-43/0-3-6, (min. 0-1-8), 18=1364/0-3-8, (min. 0-1-8), 26=805/0-3-8, (min. 0-1-8)
Max Uplift 15=-183 (LC 3)
Max Grav 15=129 (LC 4), 18=1364 (LC 1), 26=808 (LC 10)

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

TOP CHORD	2-3=-2045/0, 3-4=-2790/0, 4-5=-3060/0, 5-6=-3060/0, 6-7=-3060/0, 7-8=-2459/0, 8-9=-1511/0, 9-10=-1511/0, 10-11=0/930, 11-12=0/927, 12-13=-53/399
BOT CHORD	25-26=0/1546, 24-25=0/2519, 23-24=0/3023, 22-23=0/3060, 21-22=0/2831, 20-21=0/2093, 19-20=0/2093, 18-19=0/894, 17-18=-399/53, 16-17=-399/53, 15-16=-399/53
WEBS	6-22=-316/0, 12-18=-797/0, 13-15=-66/526, 2-26=-1697/0, 2-25=0/695, 3-25=-659/0, 3-24=0/376, 4-24=-324/0, 4-23=-203/365, 10-18=-1927/0, 10-19=0/867, 8-19=-818/0, 8-21=0/517, 7-21=-526/0, 7-22=0/591

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 183 lb uplift at joint 15.
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 10-00-00 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.



Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	F205	Truss	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.51 S Oct 22 2021 Print: 8.510 S Oct 22 2021 MiTek Industries, Inc. Thu Jun 16 10:53:24 — Page: 1

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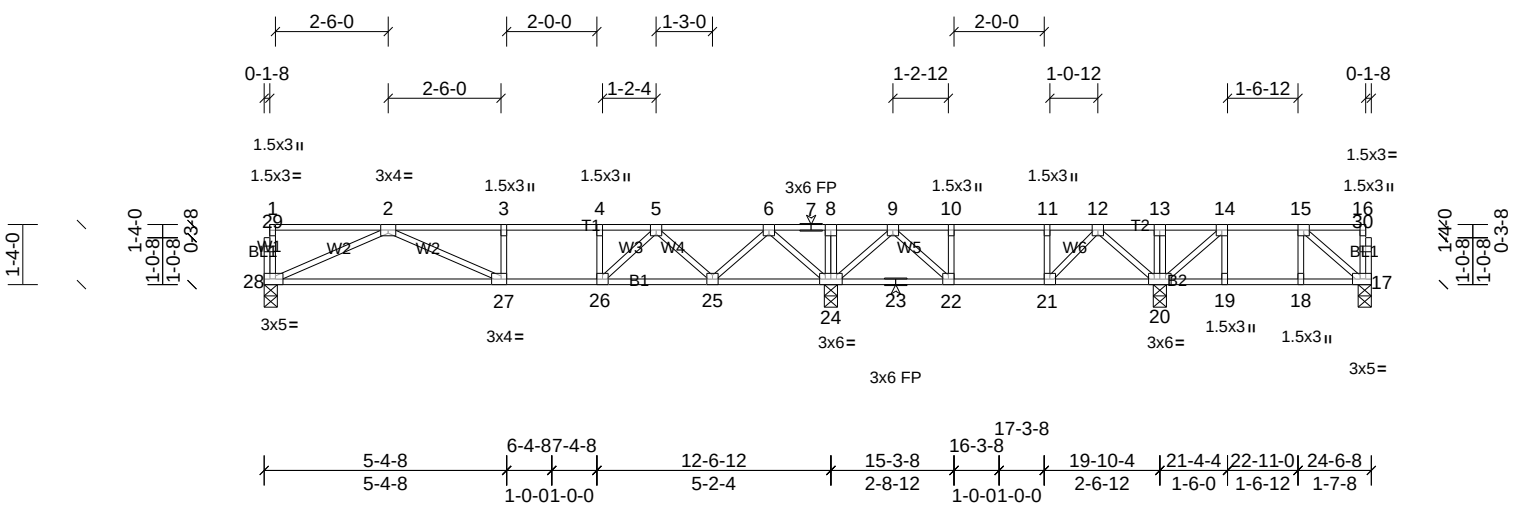


Scale = 1:51.3

Plate Offsets (X, Y): [17:0-2-0,Edge], [27:0-1-8,Edge], [28:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.12	27-28	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.19	27-28	>773	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 127 lb	FT = 20%F, 11%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 6-0-0 oc bracing.

REACTIONS All bearings 0-3-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 17 except 20=532 (LC 11), 24=943 (LC 16), 28=516 (LC 14)

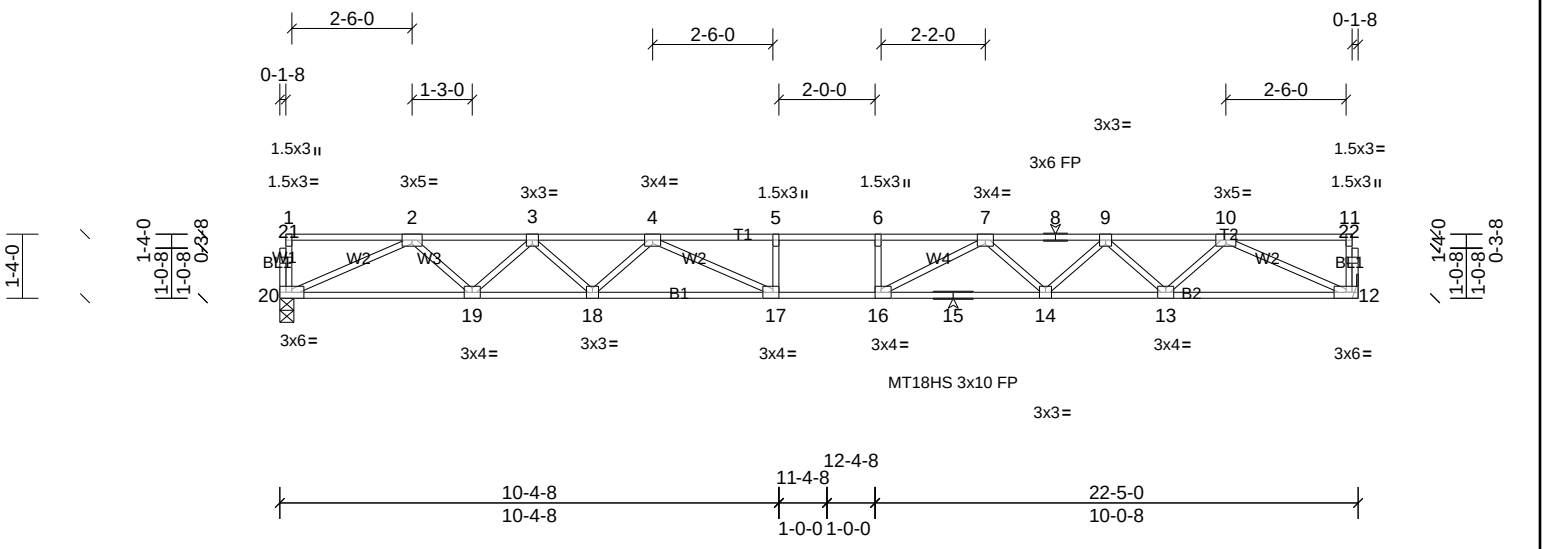
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1259/0, 3-4=-1259/0, 4-5=-1259/0, 5-6=-692/0, 6-7=0/473, 7-8=0/473, 8-9=0/473, 9-10=-381/74, 10-11=-381/74, 11-12=-381/74
BOT CHORD	27-28=0/907, 26-27=0/1259, 25-26=0/1040, 24-25=0/334, 21-22=-74/381
WEBS	6-24=-808/0, 6-25=0/514, 5-25=-509/0, 5-26=0/421, 9-24=-458/0, 9-22=0/356, 12-20=-368/0, 14-20=-336/0, 2-28=-994/0, 2-27=0/389

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	F206	Truss	12	1	Job Reference (optional)



Scale = 1:48.1

Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.39	17	>686	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.53	17-18	>498	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 111 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS (lb/size) 12=809/ Mechanical, (min. 0-1-8), 20=809/0-3-8, (min. 0-1-8)

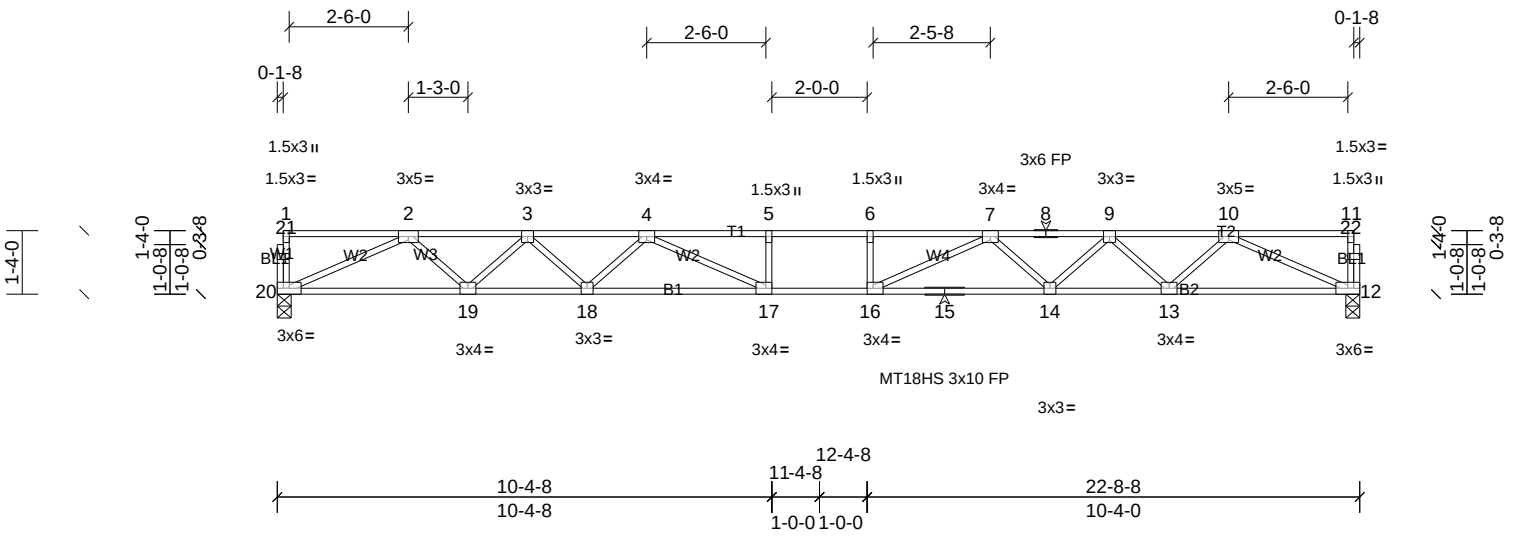
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2135/0, 3-4=-3038/0, 4-5=-3705/0, 5-6=-3705/0, 6-7=-3705/0, 7-8=-3030/0, 8-9=-3030/0, 9-10=-2137/0
BOT CHORD	19-20=0/1580, 18-19=0/2668, 17-18=0/3382, 16-17=0/3705, 15-16=0/3376, 14-15=0/3376, 13-14=0/2668, 12-13=0/1581
WEBS	2-20=-1736/0, 2-19=0/771, 3-19=-741/0, 3-18=0/515, 4-18=-479/0, 4-17=-38/642, 10-12=-1736/0, 10-13=0/774, 9-13=-739/0, 9-14=0/503, 7-14=-481/0, 7-16=-26/643

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 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	F207	Truss	5	1	Job Reference (optional)



Scale = 1:48.5

Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.70	Vert(LL)	-0.40	16-17	>669	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.55	16-17	>488	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.09	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 112 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-9-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=819/0-3-8, (min. 0-1-8), 20=819/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2170/0, 3-4=-3092/0, 4-5=-3805/0, 5-6=-3805/0, 6-7=-3805/0, 7-8=-3091/0, 8-9=-3091/0, 9-10=-2170/0
BOT CHORD	19-20=0/1604, 18-19=0/2713, 17-18=0/3448, 16-17=0/3805, 15-16=0/3448, 14-15=0/3448, 13-14=0/2713, 12-13=0/1604
WEBS	2-20=-1761/0, 2-19=0/787, 3-19=-755/0, 3-18=0/527, 4-18=-496/0, 4-17=-23/677, 10-12=-1761/0, 10-13=0/787, 9-13=-755/0, 9-14=0/526, 7-14=-496/0, 7-16=-21/677

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 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	F208	Truss	2	1	Job Reference (optional)

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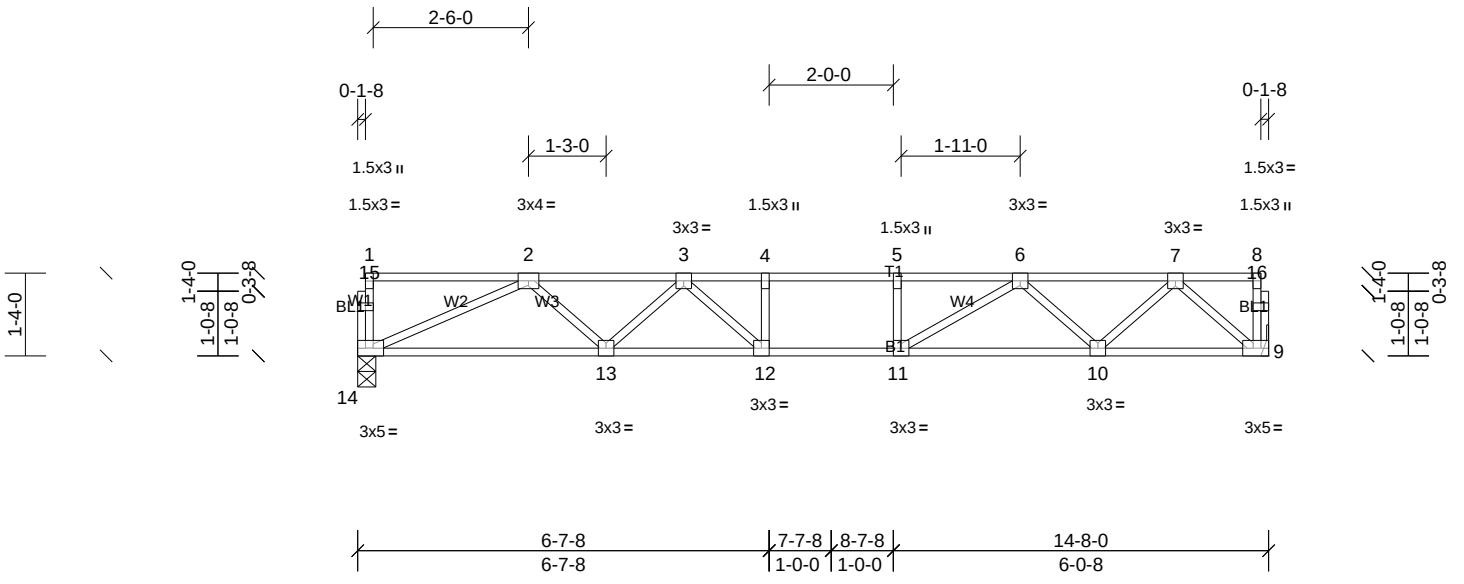


Scale = 1:37.3

Plate Offsets (X, Y): [9:0-2-0,Edge], [14:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.11	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.14	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 74 lb	FT = 20%F, 11%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) 9=524/ Mechanical, (min. 0-1-8), 14=524/0-3-8, (min. 0-1-8)

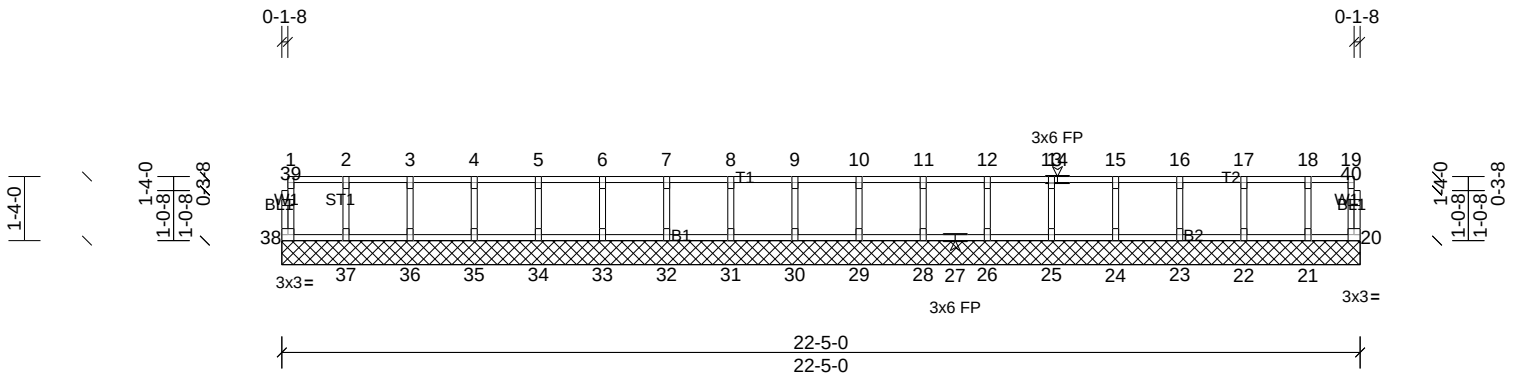
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1228/0, 3-4=-1552/0, 4-5=-1552/0, 5-6=-1552/0, 6-7=-920/0
BOT CHORD	13-14=0/970, 12-13=0/1455, 11-12=0/1552, 10-11=0/1257, 9-10=0/563
WEBS	2-14=-1064/0, 2-13=0/359, 3-13=-316/0, 3-12=-39/304, 7-9=-748/0, 7-10=0/496, 6-10=-469/0, 6-11=0/454

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 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	K200	Truss	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 98 lb	FT = 20%F, 11%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 22-5-0.

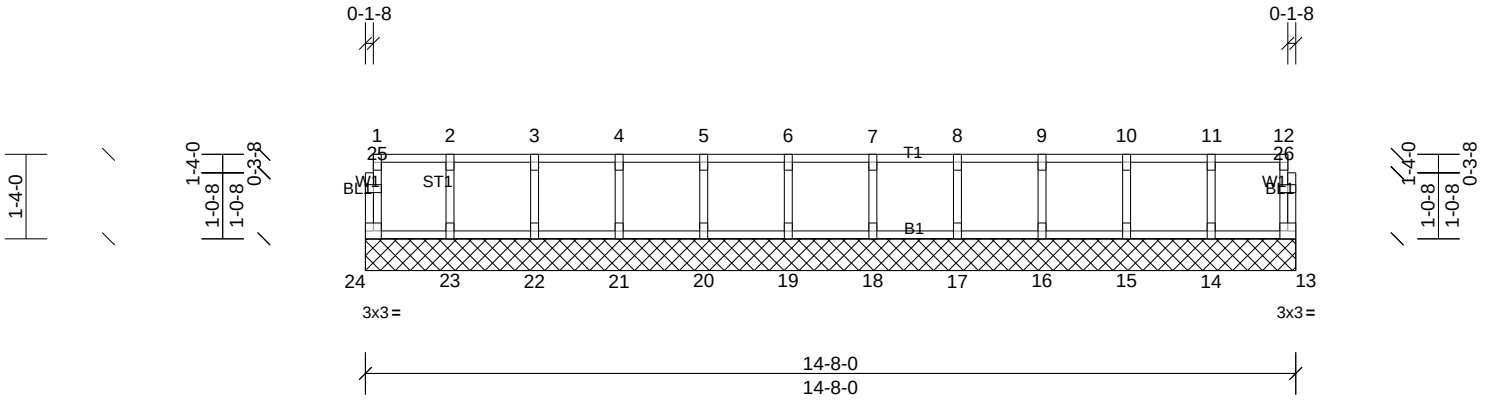
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

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 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	K201	Truss	1	1	Job Reference (optional)



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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 65 lb	FT = 20%F, 11%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 14-8-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

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 10-00-00 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.

Job	Truss	Truss Type	Qty	Ply	PRO BLDRS / SMITHFIELD PLAN 2ND FL
72274660	K202	Truss	1	1	Job Reference (optional)

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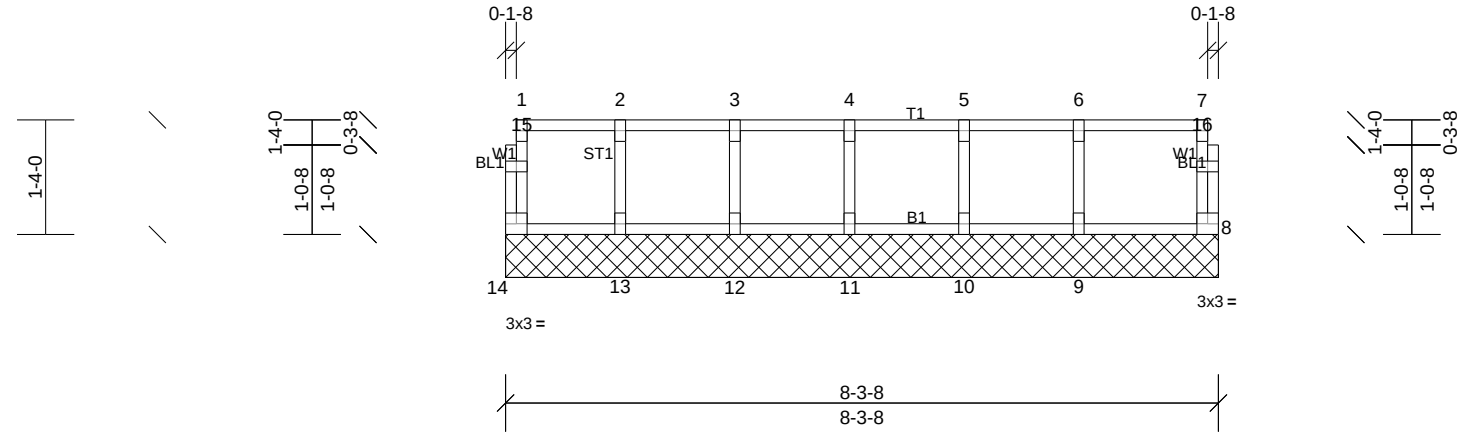

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 38 lb	FT = 20%F, 11%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 8-3-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12, 13, 14

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 10-00-00 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.