Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	F200	Truss	4	1	Job Reference (optional) 27 LDP

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 11:51:14 — Page: 1

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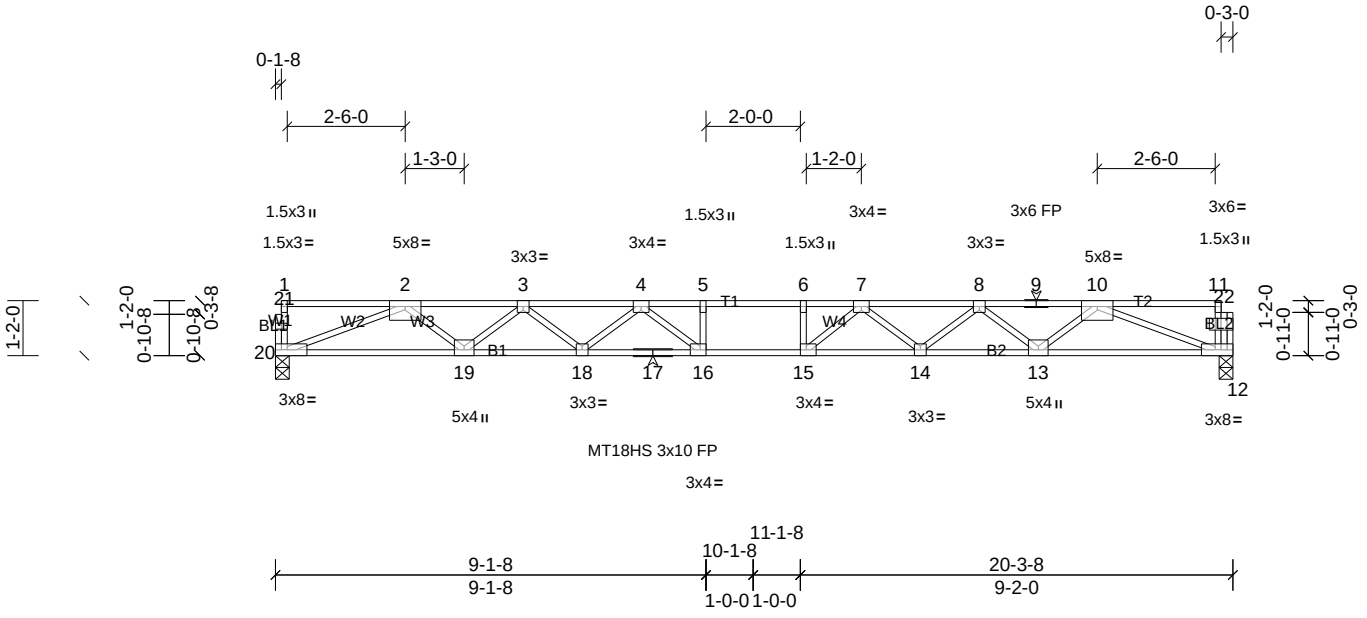


Scale = 1:49

Plate Offsets (X, Y): [12:0-3-8,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.46	15-16	>527	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.63	15-16	>383	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.10	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 100 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)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-11-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

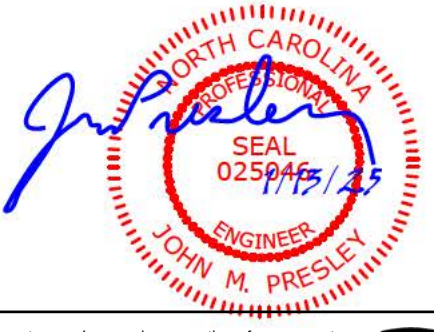
REACTIONS (lb/size) 12=1086/0-3-8, (min. 0-1-8), 20=1093/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-3267/0, 3-4=-4529/0, 4-5=-5213/0, 5-6=-5213/0, 6-7=-5213/0, 7-8=-4551/0, 8-9=-3307/0, 9-10=-3307/0
BOT CHORD	19-20=0/2442, 18-19=0/4050, 17-18=0/4980, 16-17=0/4980, 15-16=0/5213, 14-15=0/4996, 13-14=0/4081, 12-13=0/2489
WEBS	5-16=-309/11, 6-15=-319/20, 2-20=-2620/0, 2-19=0/1074, 3-19=-1019/0, 3-18=0/624, 4-18=-588/0, 4-16=-151/704, 10-12=-2656/0, 10-13=0/1064, 8-13=-1008/0, 8-14=0/612, 7-14=-579/0, 7-15=-161/695

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	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	F201	Truss	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 11:51:14 — Page: 1

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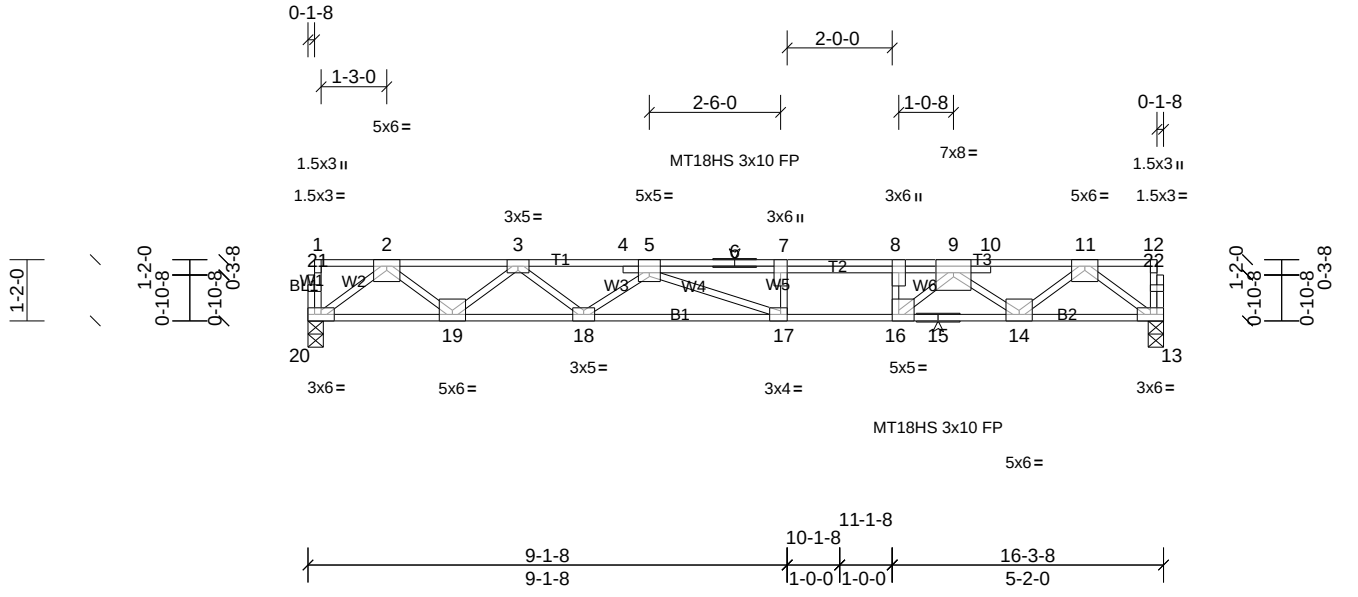

Scale = 1:44.1

Plate Offsets (X, Y): [5:0-2-8,Edge], [8:0-3-0,Edge], [16:0-1-8,Edge], [17:0-1-8,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)	-0.21	17-18	>923	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.46	17-18	>422	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.07	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 90 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)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-7-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 13=1322/0-3-8, (min. 0-1-8), 20=1294/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2720/0, 3-4=-4533/0, 4-5=-4531/0, 5-6=-5301/0, 6-7=-5301/0, 7-8=-5301/0, 8-9=-5301/0, 9-10=-2814/0, 10-11=-2807/0
BOT CHORD	19-20=0/1631, 18-19=0/3789, 17-18=0/5255, 16-17=0/5301, 15-16=0/4057, 14-15=0/4057, 13-14=0/1644
WEBS	8-16=-1106/0, 2-20=-2042/0, 2-19=0/1418, 3-19=-1392/0, 3-18=0/969, 5-18=-916/0, 5-17=-199/508, 11-13=-2058/0, 11-14=0/1513, 9-14=-1588/0, 9-16=0/1840

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) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 13-20=-10, 1-4=-140, 4-9=-176, 9-12=-140

Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	F202	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 11:51:14 — Page: 1

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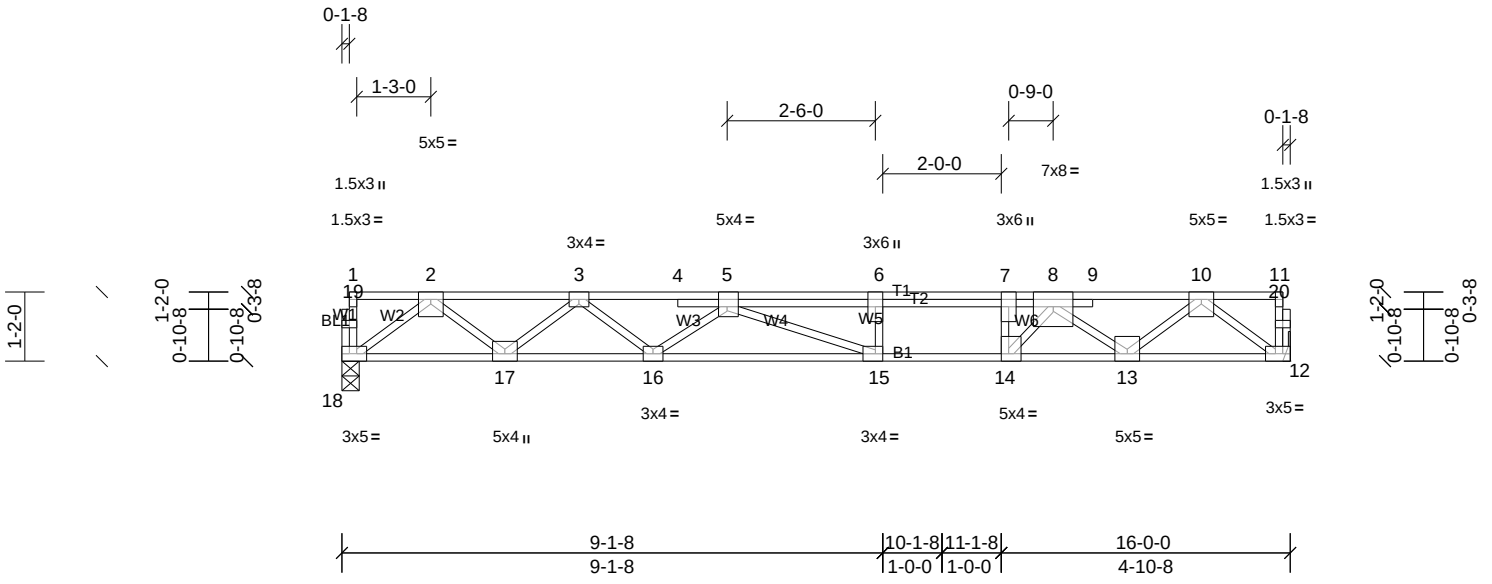


Scale = 1:39

Plate Offsets (X, Y): [5:0-1-12,Edge], [7:0-3-0,Edge], [12:0-2-0,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [18:0-2-0,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	0.97	Vert(LL)	-0.22	15-16	>844	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.39	15-16	>488	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.06	12	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 No.2(flat)
BOT CHORD	2x4 SP SS(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-9-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=1000/ Mechanical, (min. 0-1-8), 18=973/0-3-8, (min. 0-1-8)

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

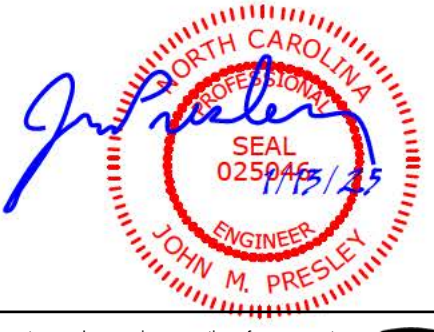
TOP CHORD	2-3=-2055/0, 3-4=-3470/0, 4-5=-3477/0, 5-6=-3974/0, 6-7=-3974/0, 7-8=-3974/0, 8-9=-2140/0, 9-10=-2136/0
BOT CHORD	17-18=0/1227, 16-17=0/2864, 15-16=0/4043, 14-15=0/3974, 13-14=0/3110, 12-13=0/1241
WEBS	7-14=-1071/0, 2-18=-1537/0, 2-17=0/1078, 3-17=-1053/0, 3-16=0/789, 5-16=-728/0, 5-15=-296/415, 10-12=-1553/0, 10-13=0/1166, 8-13=-1237/0, 8-14=0/1550

NOTES

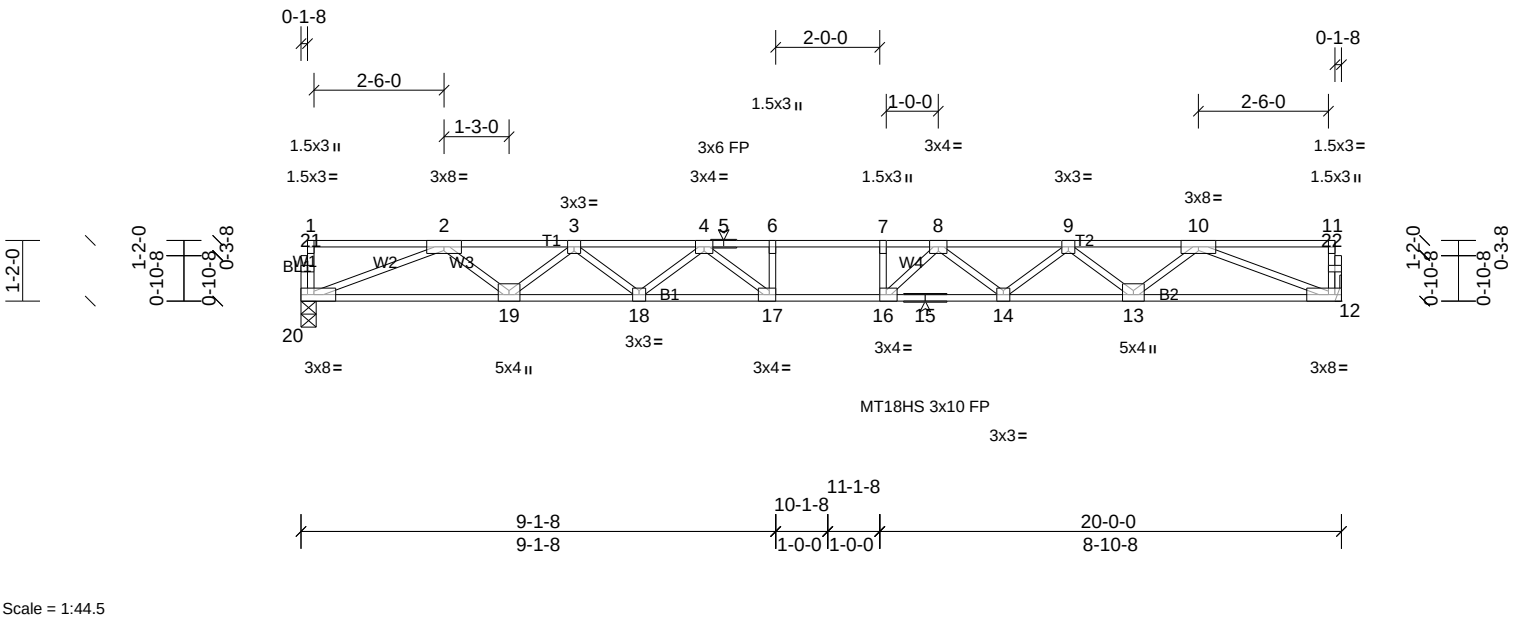
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
3) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 12-18=-10, 1-4=-100, 4-8=-140, 8-11=-100



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	F203	Truss	2	1	Job Reference (optional)



Scale = 1:44.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.44	16-17	>543	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.60	16-17	>395	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.09	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 97 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)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-15 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

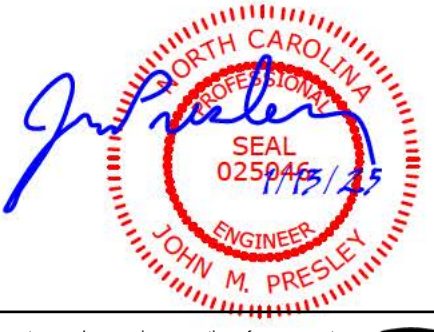
REACTIONS (lb/size) 12=1080/ Mechanical, (min. 0-1-8), 20=1080/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-3220/0, 3-4=-4454/0, 4-5=-5093/0, 5-6=-5093/0, 6-7=-5093/0, 7-8=-5093/0, 8-9=-4449/0, 9-10=-3221/0
BOT CHORD	19-20=0/2411, 18-19=0/3988, 17-18=0/4888, 16-17=0/5093, 15-16=0/4891, 14-15=0/4891, 13-14=0/3987, 12-13=0/2411
WEBS	6-17=-297/18, 7-16=-345/32, 2-20=-2587/0, 2-19=0/1054, 3-19=-1000/0, 3-18=0/606, 4-18=-565/0, 4-17=-166/671, 10-12=-2587/0, 10-13=0/1055, 9-13=-997/0, 9-14=0/601, 8-14=-579/0, 8-16=-159/686

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	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	F204	Truss	4	1	Job Reference (optional)

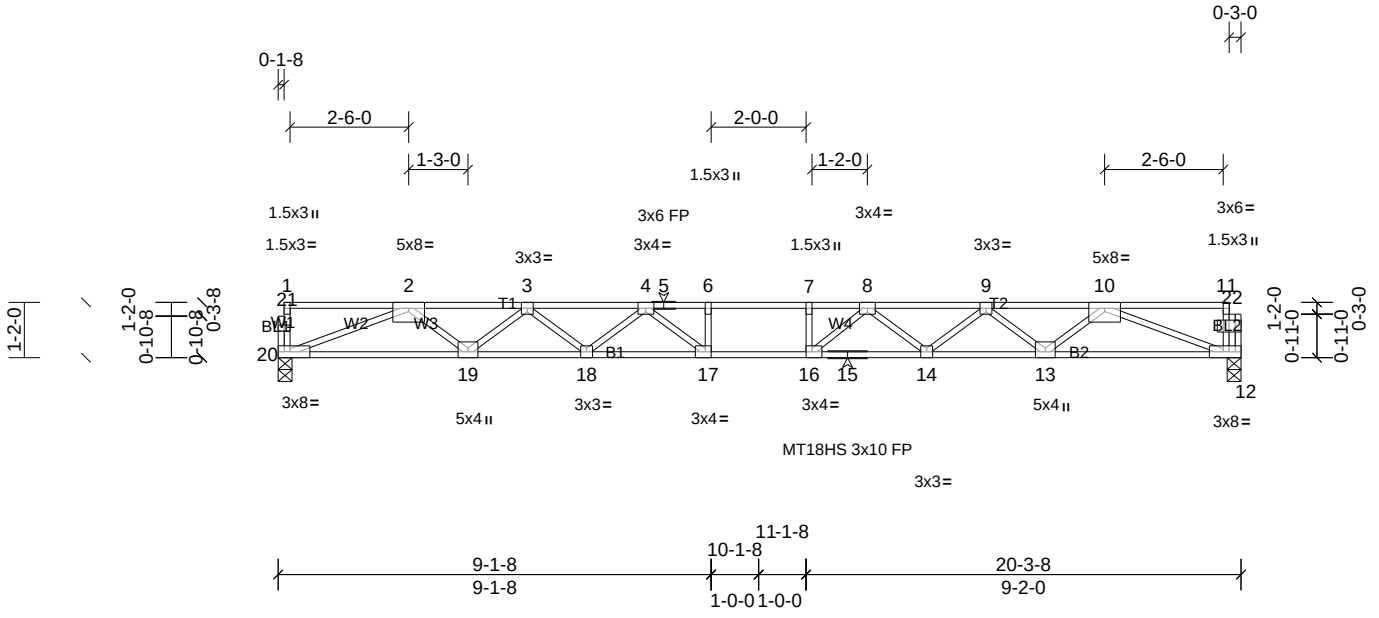


Plate Offsets (X, Y): [12:0-3-8,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.46	16-17	>527	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.63	16-17	>383	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.10	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 100 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)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-11-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=1086/0-3-8, (min. 0-1-8), 20=1093/0-3-8, (min. 0-1-8)

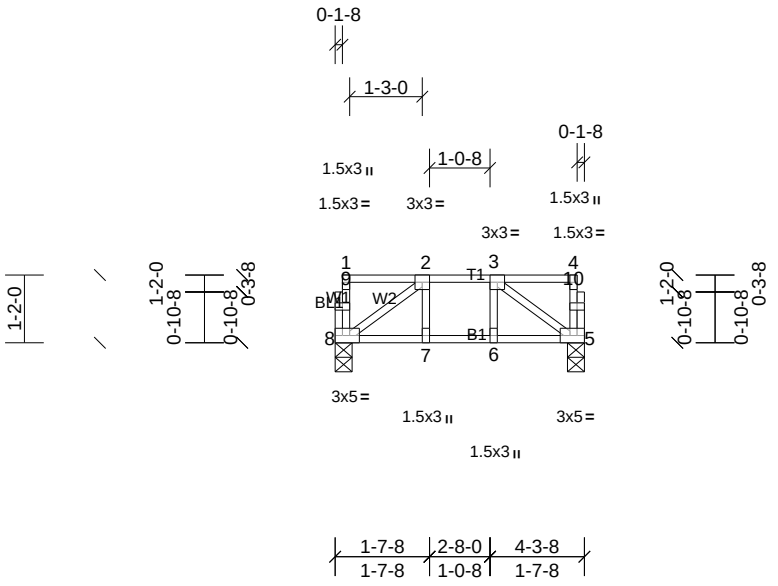
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-3267/0, 3-4=-4529/0, 4-5=-5213/0, 5-6=-5213/0, 6-7=-5213/0, 7-8=-5213/0, 8-9=-4551/0, 9-10=-3307/0
BOT CHORD	19-20=0/2442, 18-19=0/4050, 17-18=0/4980, 16-17=0/5213, 15-16=0/4996, 14-15=0/4996, 13-14=0/4081, 12-13=0/2489
WEBS	6-17=-309/11, 7-16=-319/20, 2-20=-2620/0, 2-19=0/1074, 3-19=-1019/0, 3-18=0/624, 4-18=-588/0, 4-17=-151/704, 10-12=-2656/0, 10-13=0/1064, 9-13=-1008/0, 9-14=0/612, 8-14=-579/0, 8-16=-161/695

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	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	F205	Truss	1	1	Job Reference (optional)



Scale = 1:39.8

Plate Offsets (X, Y): [5:0-2-0,Edge], [8:0-2-0,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	0.11	Vert(LL)	0.00	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.01	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	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)
OTHERS	2x4 SP No.3(flat)

BRACING

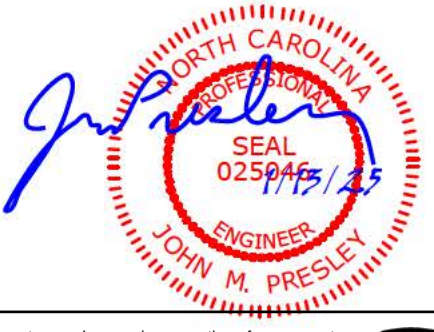
TOP CHORD	Structural wood sheathing directly applied or 4-3-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=216/0-3-8, (min. 0-1-8), 8=216/0-3-8, (min. 0-1-8)

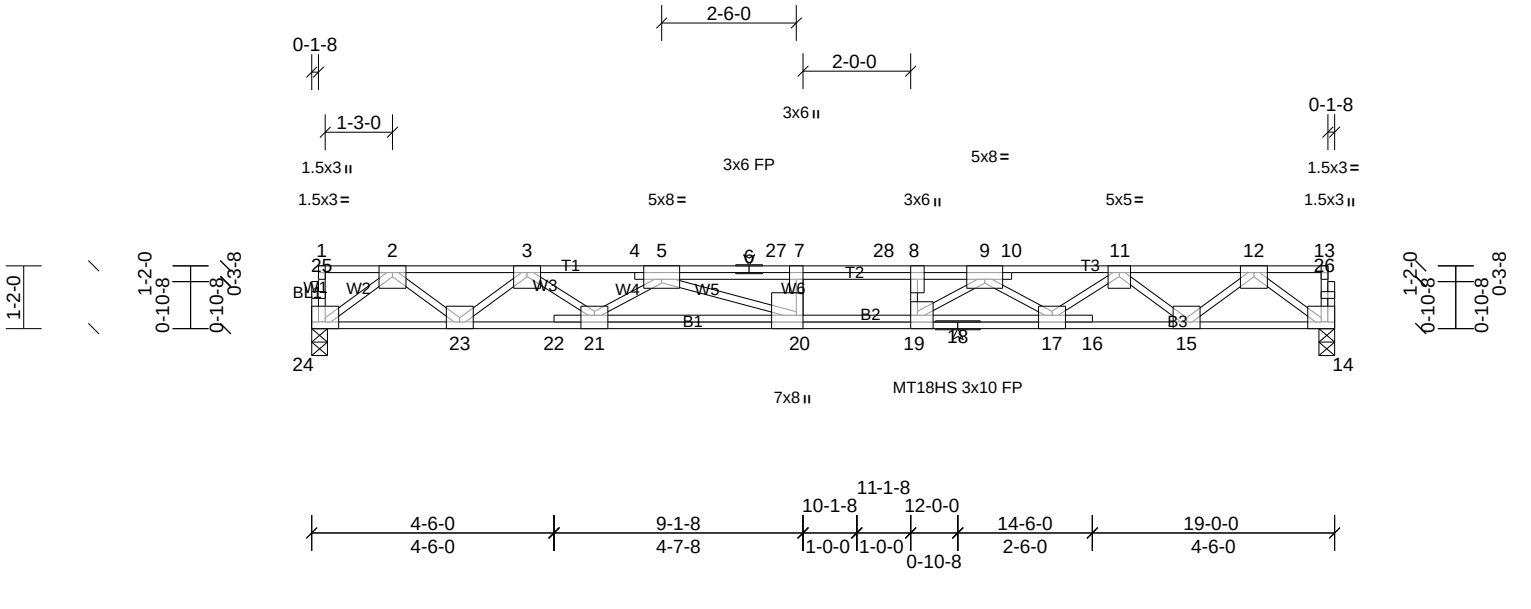
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-5=-258/0, 2-8=-258/0

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 10-00-00 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	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	F206	Truss	15	1	Job Reference (optional)



Scale = 1:43

Plate Offsets (X, Y): [5:0-4-0,Edge], [8:0-3-0,Edge], [9:0-4-0,Edge], [14:Edge,0-1-8], [17:0-3-0,Edge], [19:0-3-0,Edge], [20:0-3-0,Edge], [21:0-3-0,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	0.79	Vert(LL)	-0.26	20-21	>865	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.51	20-21	>440	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.08	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 117 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)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-13 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 14=1434/0-3-8, (min. 0-1-8), 24=1433/0-3-8, (min. 0-1-8)

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

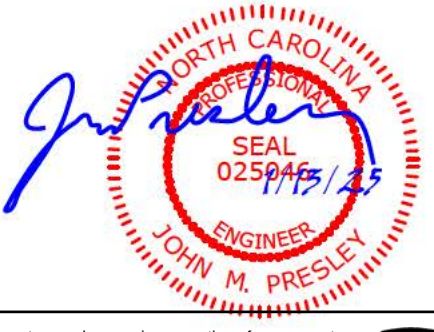
TOP CHORD	2-3=-3048/0, 3-4=-5393/0, 4-5=-5382/0, 5-6=-7407/0, 6-27=-7407/0, 7-27=-7407/0, 7-28=-7407/0, 8-28=-7407/0, 8-9=-7407/0, 9-10=-5314/0, 10-11=-5329/0, 11-12=-3065/0
BOT CHORD	23-24=0/1803, 22-23=0/4349, 21-22=0/4340, 20-21=0/6405, 19-20=0/7407, 18-19=0/6408, 17-18=0/6408, 16-17=0/4341, 15-16=0/4351, 14-15=0/1804
WEBS	7-20=-382/0, 8-19=-606/0, 2-24=-2259/0, 2-23=0/1620, 3-23=-1694/0, 3-21=0/1326, 5-21=-1255/0, 5-20=0/1372, 12-14=-2260/0, 12-15=0/1641, 11-15=-1675/0, 11-17=0/1242, 9-17=-1338/0, 9-19=0/1465

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 5x6 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) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 14-24=-10, 1-27=-140, 27-28=-176, 13-28=-140



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	F207	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 11:51:15 — Page: 1

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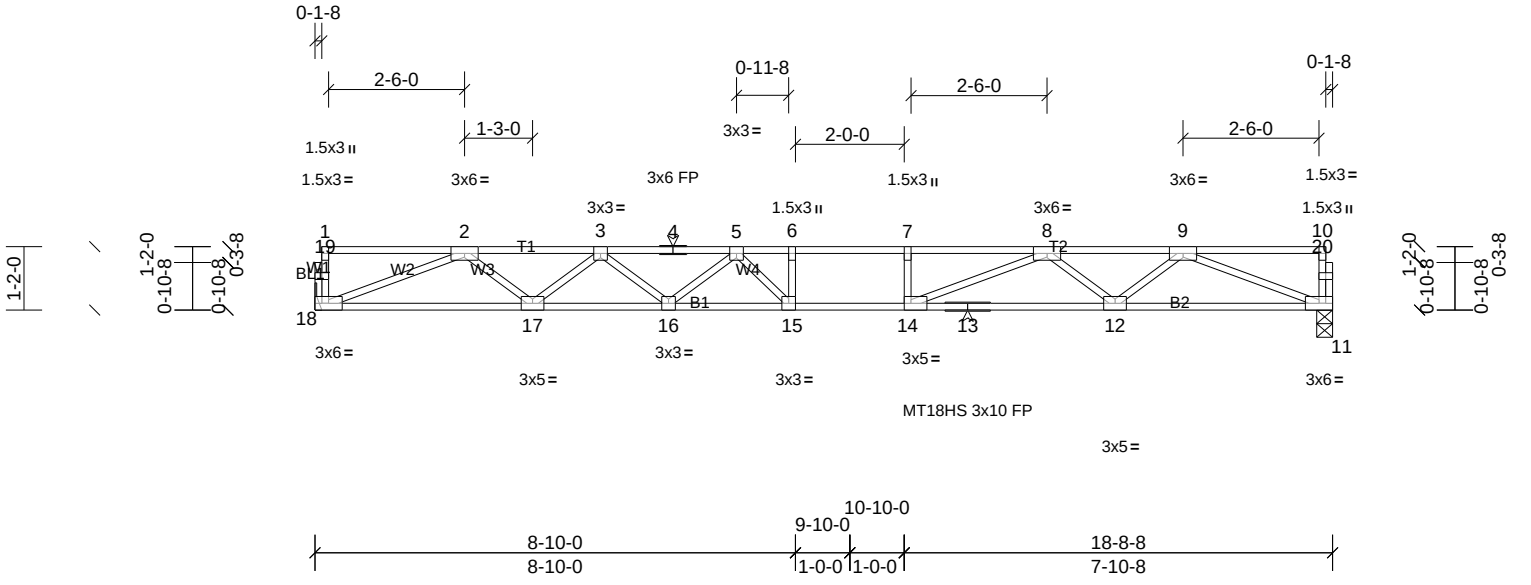


Scale = 1:42.5

Plate Offsets (X, Y): [14:0-1-8,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	0.87	Vert(LL)	-0.35	15	>624	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.49	15-16	>454	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.08	11	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)
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.

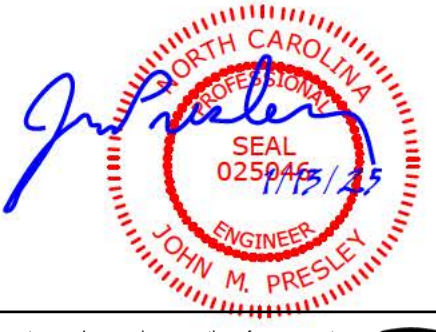
REACTIONS (lb/size) 11=1009/0-3-8, (min. 0-1-8), 18=1009/ Mechanical, (min. 0-1-8)

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

TOP CHORD	2-3=-2957/0, 3-4=-4024/0, 4-5=-4024/0, 5-6=-4436/0, 6-7=-4436/0, 7-8=-4436/0, 8-9=-2958/0
BOT CHORD	17-18=0/2233, 16-17=0/3640, 15-16=0/4368, 14-15=0/4436, 13-14=0/3636, 12-13=0/3636, 11-12=0/2234
WEBS	6-15=-281/87, 7-14=-281/0, 2-18=-2395/0, 2-17=0/942, 3-17=-890/0, 3-16=0/500, 5-16=-481/0, 5-15=-278/548, 9-11=-2397/0, 9-12=0/941, 8-12=-883/0, 8-14=0/1097

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	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	FG1	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 11:51:15 — Page: 1

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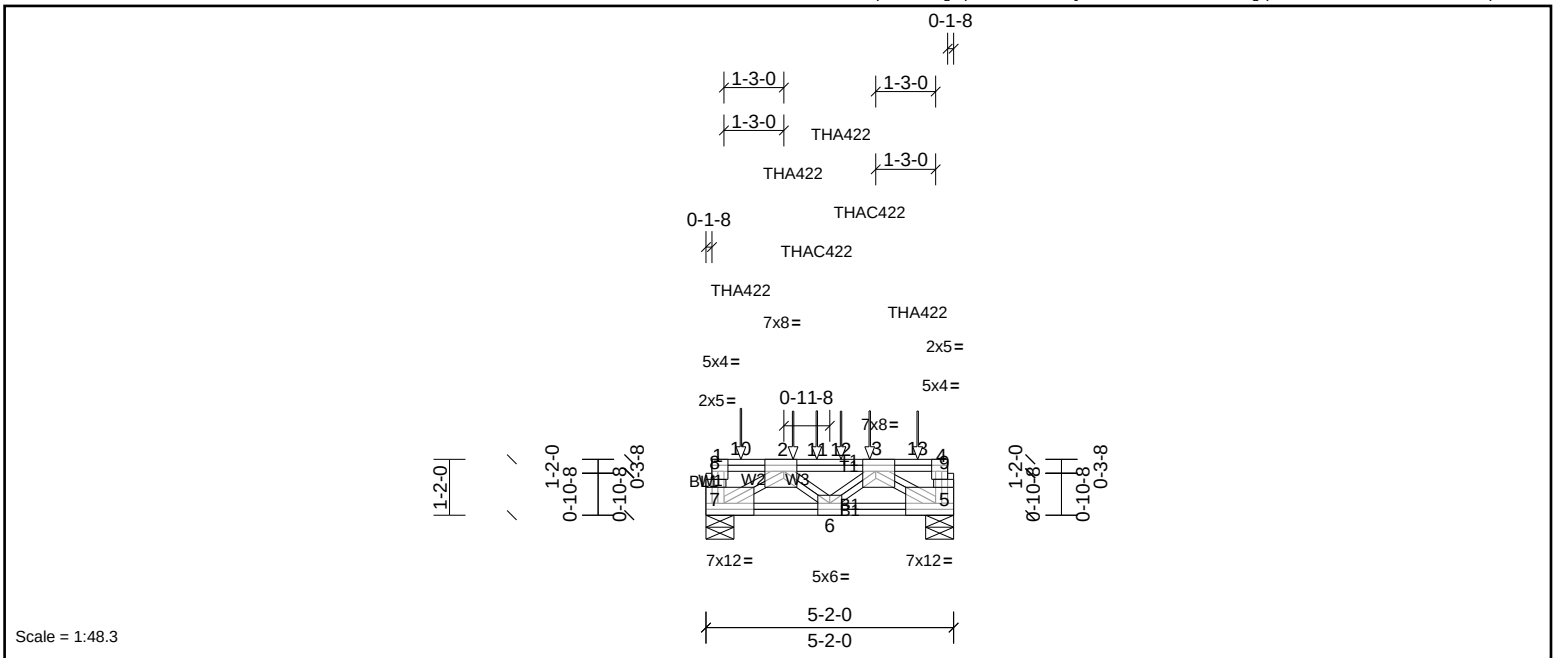


Scale = 1:48.3

Plate Offsets (X, Y): [1:Edge,0-3-0], [2:0-3-4,Edge], [3:0-3-4,Edge], [4:0-1-8,Edge], [5:Edge,0-3-0], [6:0-3-0,Edge], [7:Edge,0-3-0], [8:0-1-8,0-0-11], [9:0-1-8,0-0-11]

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)	-0.03	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.04	6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.02	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 51 lb	FT = 20%F, 12%E

LUMBER

TOP CHORD	2x4 SP No.1(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 5-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=3202/0-7-0, (min. 0-1-10), 7=4036/0-7-0, (min. 0-2-1)

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

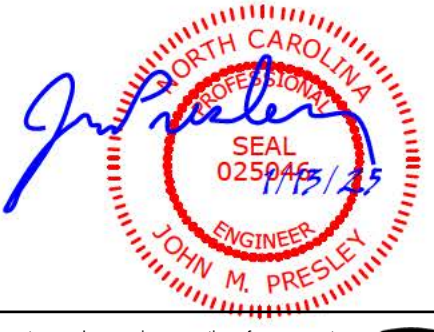
TOP CHORD	7-8=-1058/0, 1-8=-1016/0, 5-9=-440/0, 4-9=-423/0, 2-11=-4403/0, 11-12=-4403/0, 3-12=-4403/0
BOT CHORD	6-7=0/4607, 5-6=0/4230
WEBS	2-7=-5404/0, 2-6=-279/0, 3-5=-5005/0

NOTES

1) 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.
2) 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.
3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 0-8-12 from the left end to connect truss(es) to front face of top chord.
4) Use Simpson Strong-Tie THAC422 (6-16d Girder, 6-16d Truss) or equivalent spaced at 1-1-4 oc max. starting at 2-3-12 from the left end to 3-5-0 to connect truss(es) to front face of top chord.
5) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 1-9-13 from the left end to 4-5-0 to connect truss(es) to back 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).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 5-7=-10, 1-4=-100
   Concentrated Loads (lb)
   Vert: 2=-909 (B), 3=-980 (F), 10=-2011 (F), 11=-980 (F), 12=-909 (B), 13=-934 (B)



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	FG2	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 11:51:16 — Page: 1

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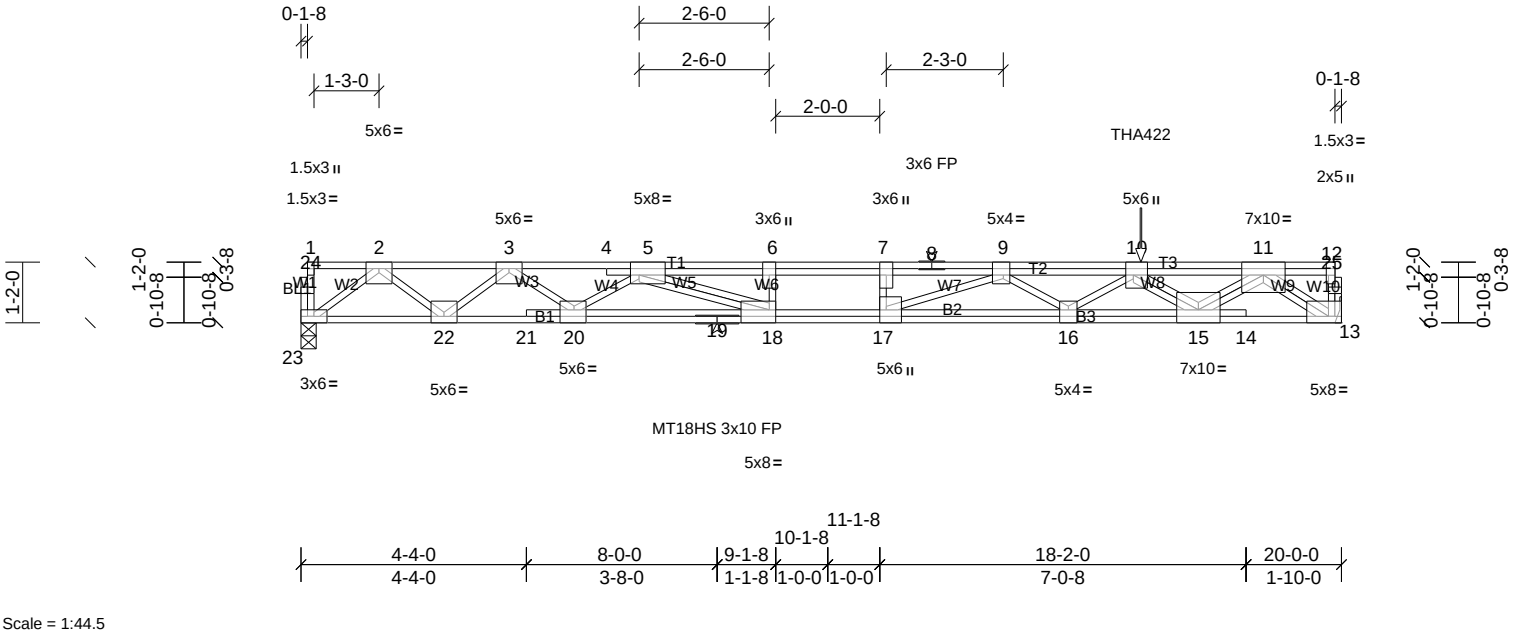


Scale = 1:44.5

Plate Offsets (X, Y): [5:0-2-0,Edge], [7:0-3-0,Edge], [9:0-1-8,Edge], [10:0-3-0,Edge], [12:0-3-0,Edge], [13:Edge,0-1-8], [16:0-2-0,Edge], [17:0-3-0,Edge], [18:0-1-8,Edge], [20:0-2-12,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	0.79	Vert(LL)	-0.36	16-17	>657	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.60	16-17	>394	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.09	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 147 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)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-13 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 13=2068/ Mechanical, (min. 0-1-8), 23=1154/0-3-8, (min. 0-1-8)

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

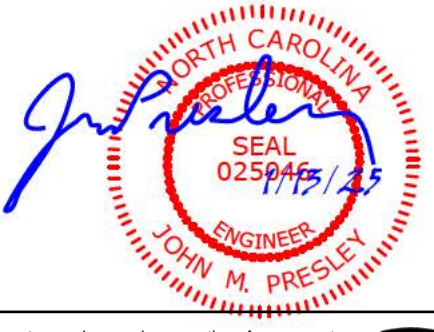
TOP CHORD	2-3=-2623/0, 3-4=-4931/0, 4-5=-4930/0, 5-6=-8106/0, 6-7=-8106/0, 7-8=-8106/0, 8-9=-8106/0, 9-10=-8255/0, 10-11=-5440/0
BOT CHORD	22-23=0/1475, 21-22=0/3810, 20-21=0/3804, 19-20=0/6294, 18-19=0/6294, 17-18=0/8106, 16-17=0/8430, 15-16=0/7907, 14-15=0/2880, 13-14=0/2885
WEBS	6-18=-528/0, 10-16=0/490, 9-16=-425/5, 9-17=-819/627, 10-15=-3121/0, 2-23=-1849/0, 2-22=0/1494, 3-22=-1544/0, 3-20=0/1425, 5-20=-1619/0, 5-18=0/2211, 11-15=0/3183, 11-13=-3524/0

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) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 16-1-12 from the left end to connect truss(es) to back face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
7) Fill all nail holes where hanger is in contact with lumber.
8) 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 (lb/ft)
   Vert: 13-23=-7, 1-4=-67, 4-8=-107, 8-12=-67
   Concentrated Loads (lb)
   Vert: 10=-1530 (B)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 13-23=-7, 1-4=-67, 4-8=-107, 8-12=-67
   Concentrated Loads (lb)
   Vert: 10=-1530 (B)
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 13-23=-7, 1-4=-67, 4-7=-107, 7-8=-54, 8-12=-13
   Concentrated Loads (lb)
   Vert: 10=-584 (B)
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)



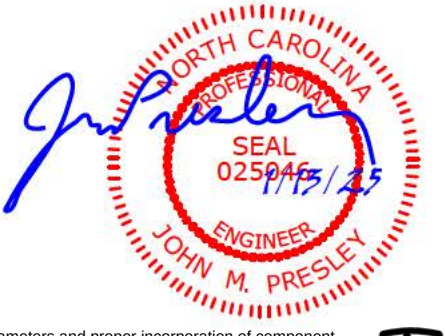
This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

Continued on page 2

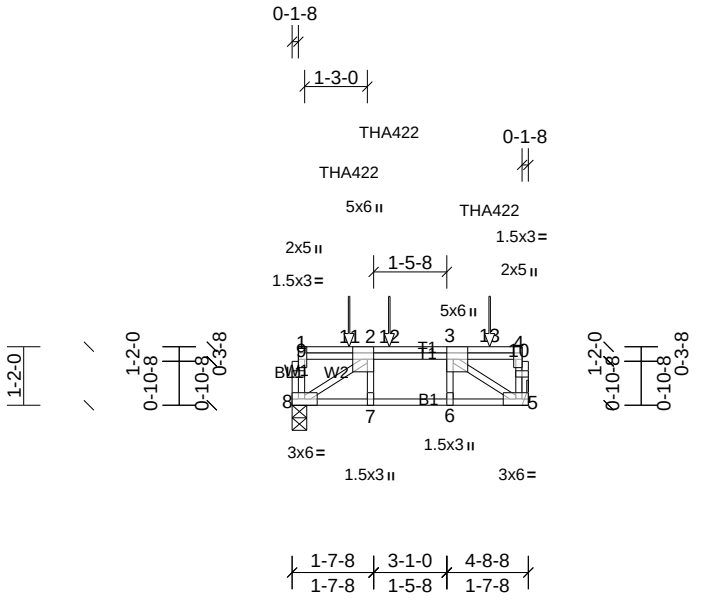
Vert: 13-23=-7, 1-4=-13, 4-6=-54, 6-8=-107, 8-12=-67
Concentrated Loads (lb)
Vert: 10=-1584 (B)

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 13-23=-7, 1-4=-67, 4-7=-107, 7-8=-54, 8-12=-13
Concentrated Loads (lb)
Vert: 10=-584 (B)

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 13-23=-7, 1-4=-13, 4-6=-54, 6-8=-107, 8-12=-67
Concentrated Loads (lb)
Vert: 10=-1584 (B)



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	FG3	Truss	1	1	Job Reference (optional)



Scale = 1:46.1

Plate Offsets (X, Y): [2:0-3-0,Edge], [3:0-3-0,Edge], [4:0-3-0,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	0.81	Vert(LL)	-0.04	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.05	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 32 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 4-8-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=1597/ Mechanical, (min. 0-1-8), 8=1605/0-3-8, (min. 0-1-8)
Max Grav 5=1597 (LC 1), 8=1612 (LC 3)

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

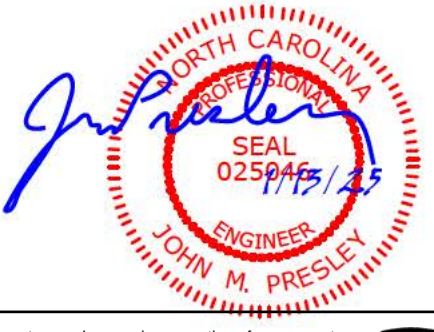
TOP CHORD	8-9=-446/0, 1-9=-445/0, 5-10=-502/28, 4-10=-501/28, 2-12=-1804/0, 3-12=-1804/0
BOT CHORD	7-8=0/1804, 6-7=0/1804, 5-6=0/1804
WEBS	3-5=-2153/0, 2-8=-2156/0

NOTES

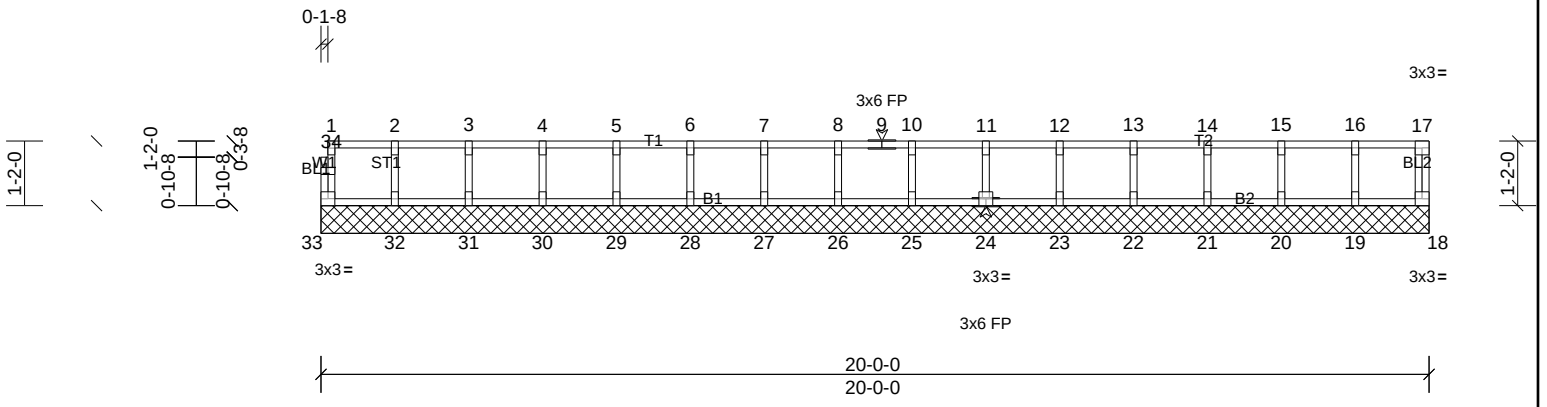
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-1-10 from the left end to 3-11-4 to connect truss(es) 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).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 11=-903 (F), 12=-900 (F), 13=-921 (F)



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	K200	Truss	2	1	Job Reference (optional)



Scale = 1:41.8

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	0.08	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)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							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)
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.

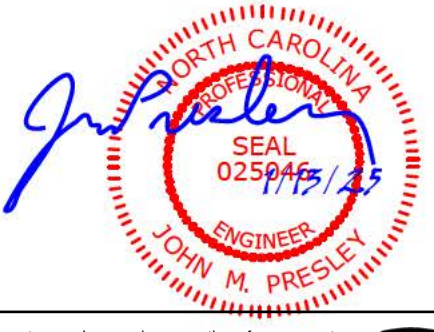
REACTIONS All bearings 20-0-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33

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	MUNGO HOMES - MCDOWELL A 2ND FLR
72500979	K201	Truss	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 13 11:51:16 — Page: 1

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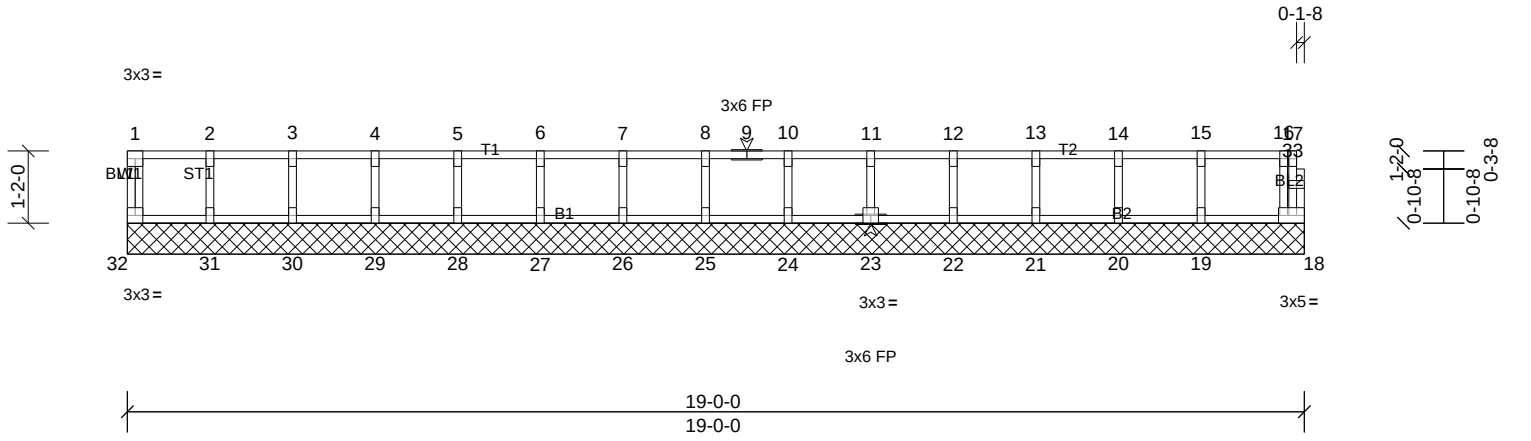

Scale = 1:37.4

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	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	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 81 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 19-0-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32

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.