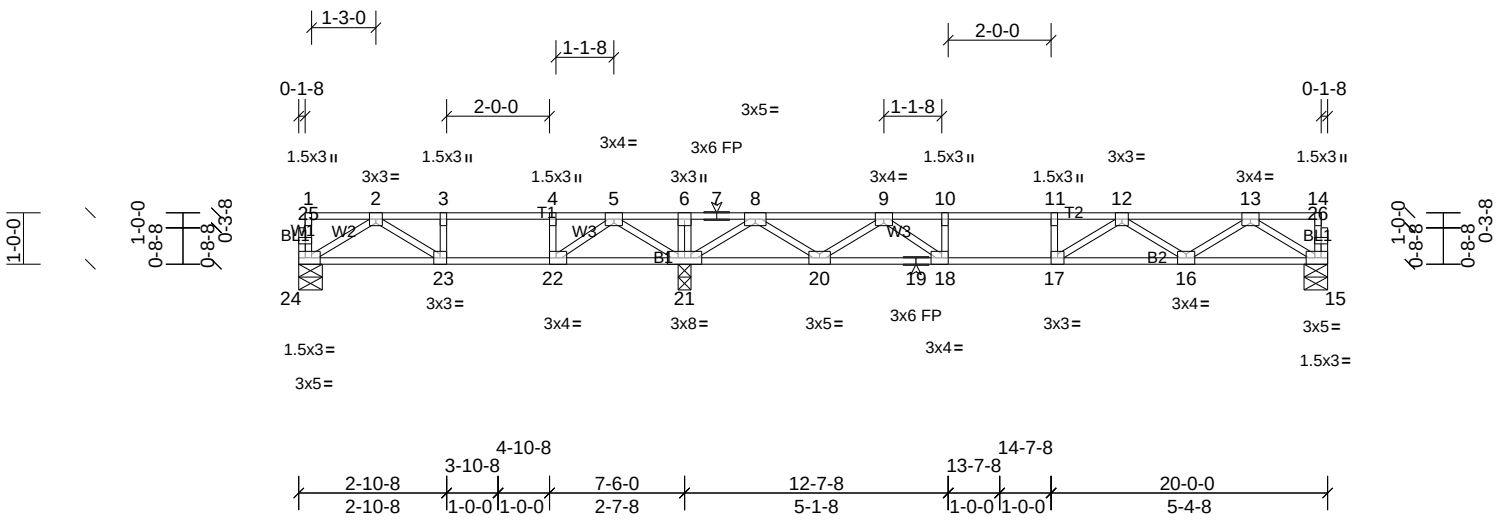
Job	Truss	Truss Type	Qty	Ply	
72342486	1F1	Truss	1	1	Job Reference (optional)



Scale = 1:45

Plate Offsets (X, Y): [15:0-2-0,Edge], [18:0-1-8,Edge], [22:0-1-8,Edge], [24:0-2-0,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)	-0.13	16-17	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.20	16-17	>735	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 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, Except: 6-0-0 oc bracing: 22-23,21-22.

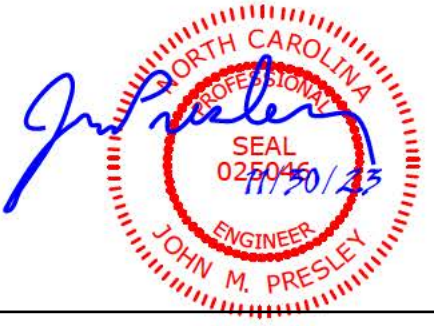
REACTIONS (lb/size) 15=731/0-5-8, (min. 0-1-8), 21=1460/0-3-0, (min. 0-1-8), 24=361/0-5-8, (min. 0-1-8)
Max Grav 15=742 (LC 7), 21=1460 (LC 1), 24=419 (LC 3)

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

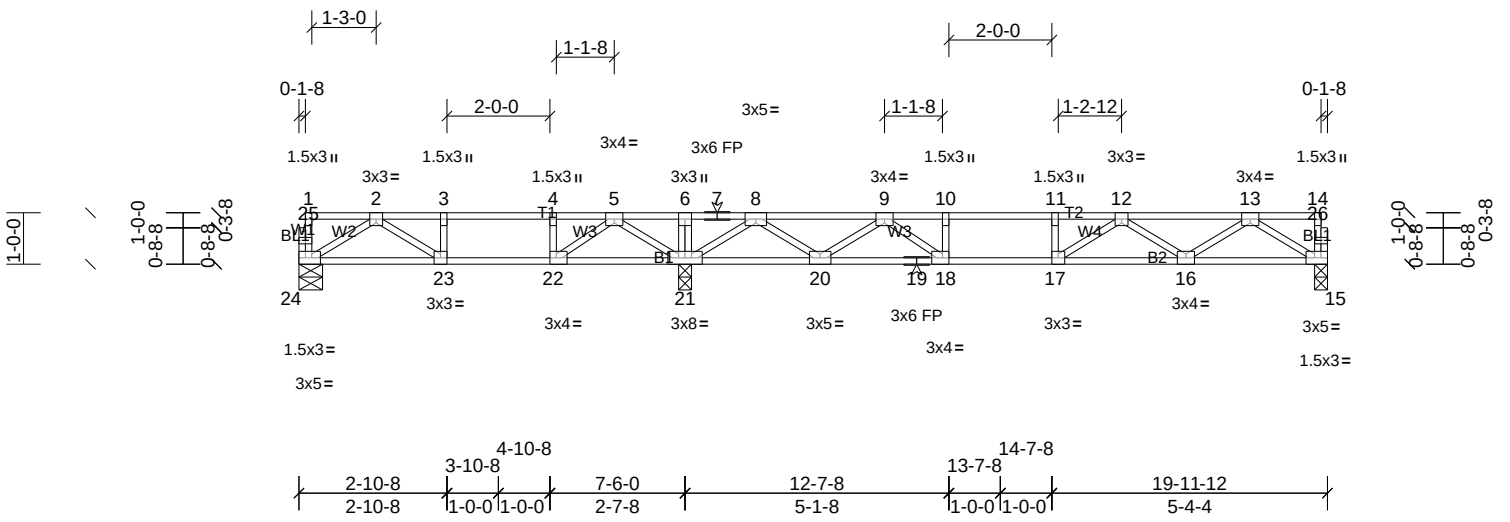
TOP CHORD	2-3=-742/51, 3-4=-742/51, 4-5=-742/51, 5-6=0/999, 6-7=0/999, 7-8=0/999, 8-9=-1226/0, 9-10=-2391/0, 10-11=-2391/0, 11-12=-2391/0, 12-13=-1692/0
BOT CHORD	23-24=0/534, 22-23=-51/742, 21-22=-445/260, 20-21=0/478, 19-20=0/1955, 18-19=0/1955, 17-18=0/2391, 16-17=0/2235, 15-16=0/1086
WEBS	5-21=-907/0, 2-24=-628/0, 5-22=0/786, 8-21=-1478/0, 13-15=-1284/0, 8-20=0/937, 13-16=0/739, 9-20=-930/0, 12-16=-663/0, 9-18=0/723, 12-17=-26/381, 4-22=-378/0, 10-18=-326/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
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	
72342486	1F2	Truss	2	1	Job Reference (optional)



Scale = 1:44.9

Plate Offsets (X, Y): [15:0-2-0,Edge], [18:0-1-8,Edge], [22:0-1-8,Edge], [24:0-2-0,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)	-0.13	16-17	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.20	16-17	>742	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 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, Except: 6-0-0 oc bracing: 22-23,21-22.

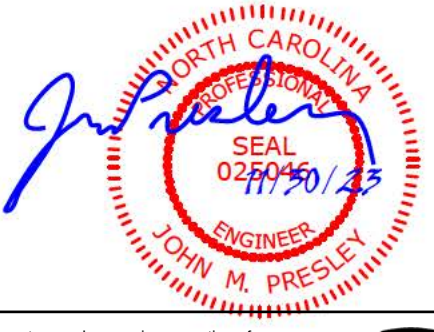
REACTIONS (lb/size) 15=730/0-3-0, (min. 0-1-8), 21=1459/0-3-0, (min. 0-1-8), 24=361/0-5-8, (min. 0-1-8)
Max Grav 15=741 (LC 7), 21=1459 (LC 1), 24=419 (LC 3)

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

TOP CHORD	2-3=-742/50, 3-4=-742/50, 4-5=-742/50, 5-6=0/998, 6-7=0/998, 7-8=0/998, 8-9=-1223/0, 9-10=-2383/0, 10-11=-2383/0, 11-12=-2383/0, 12-13=-1687/0
BOT CHORD	23-24=0/534, 22-23=-50/742, 21-22=-444/260, 20-21=0/477, 19-20=0/1950, 18-19=0/1950, 17-18=0/2383, 16-17=0/2228, 15-16=0/1084
WEBS	4-22=-378/0, 10-18=-325/0, 2-24=-628/0, 5-21=-907/0, 5-22=0/786, 8-21=-1476/0, 8-20=0/936, 9-20=-927/0, 9-18=0/719, 13-15=-1281/0, 13-16=0/737, 12-16=-661/0, 12-17=-27/379

NOTES

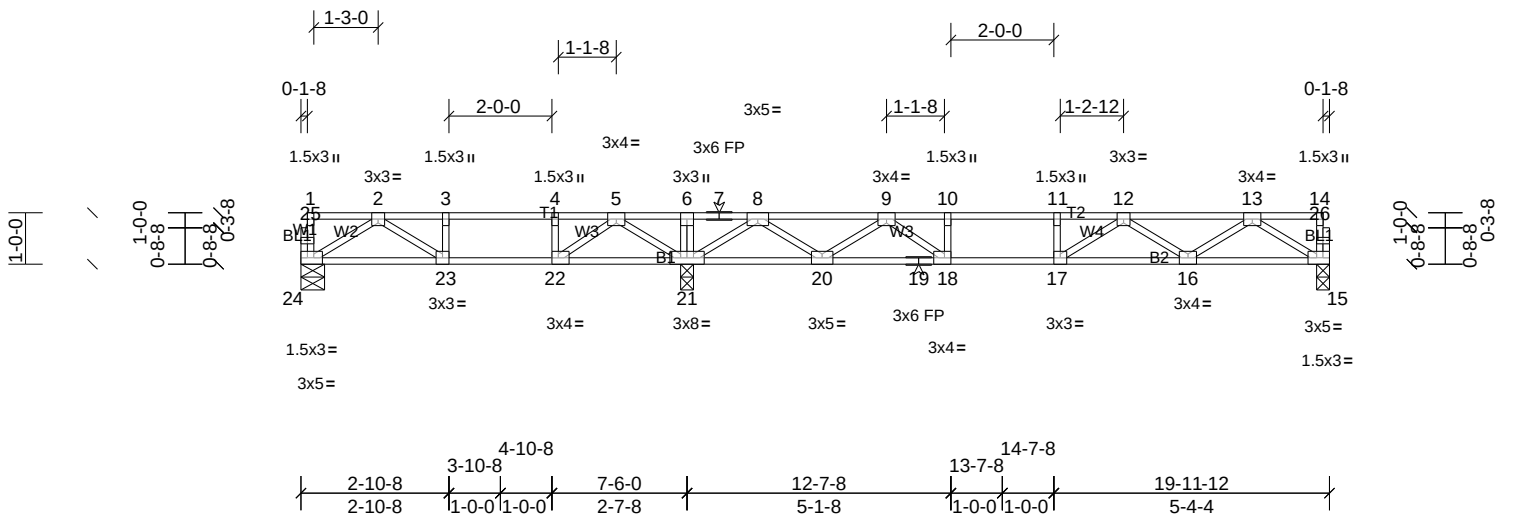
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21, 15.
4) This truss is designed in accordance with the 2015 International Residential Code 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	
72342486	1F3	Truss	6	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd — Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:31:55 — Page: 1

ID:kzeGUS3cRRhI4NOpExDuxwyGhkt-Fr967dKkW9qPmW28s8X0HUEw74iD0nGfWdHWDNyE1YI



Scale = 1:44.9

Plate Offsets (X, Y): [15:0-2-0,Edge], [18:0-1-8,Edge], [22:0-1-8,Edge], [24:0-2-0,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)	-0.13	16-17	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.20	16-17	>742	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 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, Except: 6-0-0 oc bracing: 22-23,21-22.

REACTIONS (lb/size) 15=730/0-3-0, (min. 0-1-8), 21=1459/0-3-0, (min. 0-1-8), 24=361/0-5-8, (min. 0-1-8)

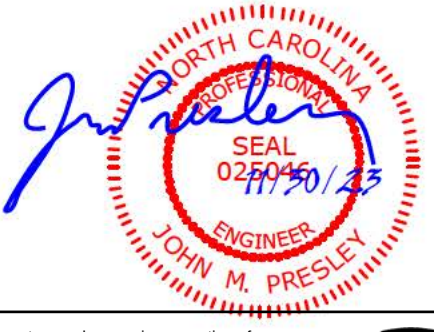
Max Grav 15=741 (LC 7), 21=1459 (LC 1), 24=419 (LC 3)

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

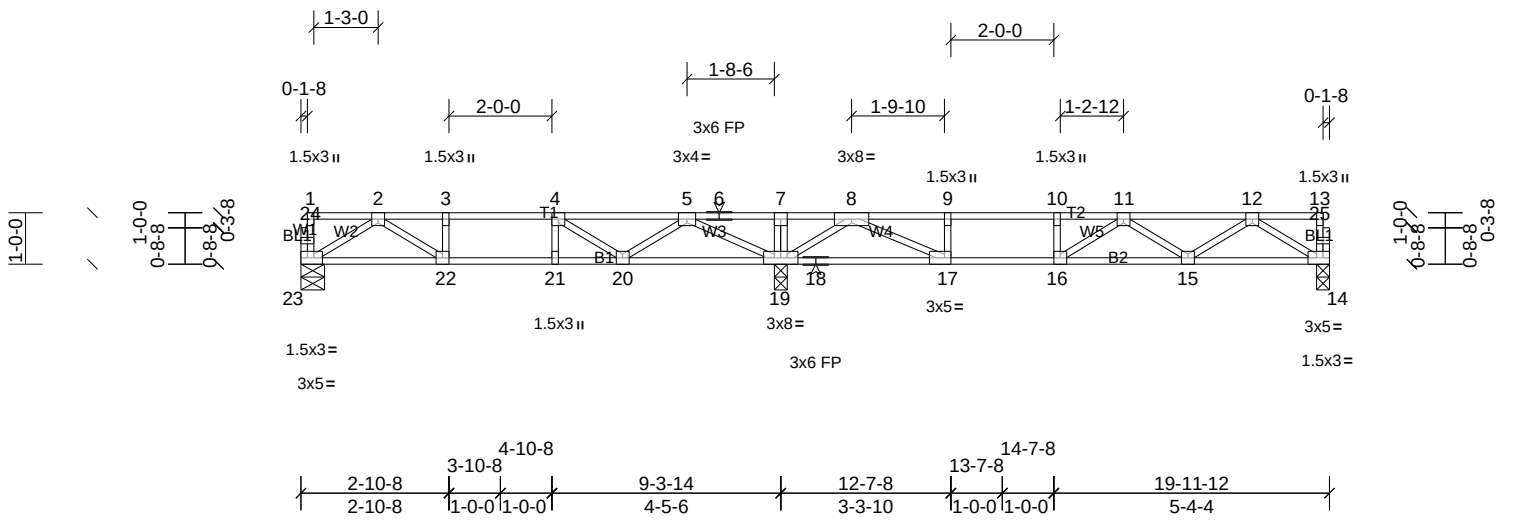
TOP CHORD	2-3=-742/50, 3-4=-742/50, 4-5=-742/50, 5-6=0/998, 6-7=0/998, 7-8=0/998, 8-9=-1223/0, 9-10=-2383/0, 10-11=-2383/0, 11-12=-2383/0, 12-13=-1687/0
BOT CHORD	23-24=0/534, 22-23=-50/742, 21-22=-444/260, 20-21=0/477, 19-20=0/1950, 18-19=0/1950, 17-18=0/2383, 16-17=0/2228, 15-16=0/1084
WEBS	4-22=-378/0, 10-18=-325/0, 2-24=-628/0, 13-15=-1281/0, 13-16=0/737, 12-16=-661/0, 12-17=-27/379, 5-21=-907/0, 5-22=0/786, 8-21=-1476/0, 8-20=0/936, 9-20=-927/0, 9-18=0/719

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15, 21.
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	
72342486	1F4	Truss	2	1	Job Reference (optional)



Scale = 1:44.9

Plate Offsets (X, Y): [14:0-2-0,Edge], [17:0-1-8,Edge], [23:0-2-0,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	0.98	Vert(LL)	-0.15	15-16	>866	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.23	15-16	>553	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 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, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-19.

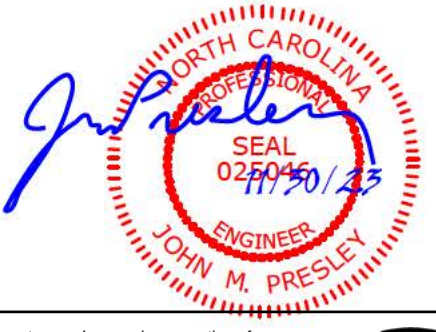
REACTIONS (lb/size) 14=603/0-3-0, (min. 0-1-8), 19=1444/0-3-0, (min. 0-1-8), 23=503/0-5-8, (min. 0-1-8)
Max Grav 14=639 (LC 4), 19=1444 (LC 1), 23=523 (LC 10)

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

TOP CHORD	2-3=-1190/0, 3-4=-1190/0, 4-5=-881/0, 5-6=0/988, 6-7=0/988, 7-8=0/984, 8-9=-1660/0, 9-10=-1660/0, 10-11=-1660/0, 11-12=-1403/0
BOT CHORD	22-23=0/709, 21-22=0/1190, 20-21=0/1190, 19-20=0/486, 18-19=-308/550, 17-18=-308/550, 16-17=0/1660, 15-16=0/1774, 14-15=0/928
WEBS	3-22=-253/0, 9-17=-443/0, 2-23=-834/0, 2-22=0/578, 8-19=-1238/0, 12-14=-1096/0, 12-15=0/579, 11-15=-453/0, 11-16=-329/0, 4-20=-482/0, 5-20=0/537, 5-19=-1334/0, 8-17=0/1377

NOTES

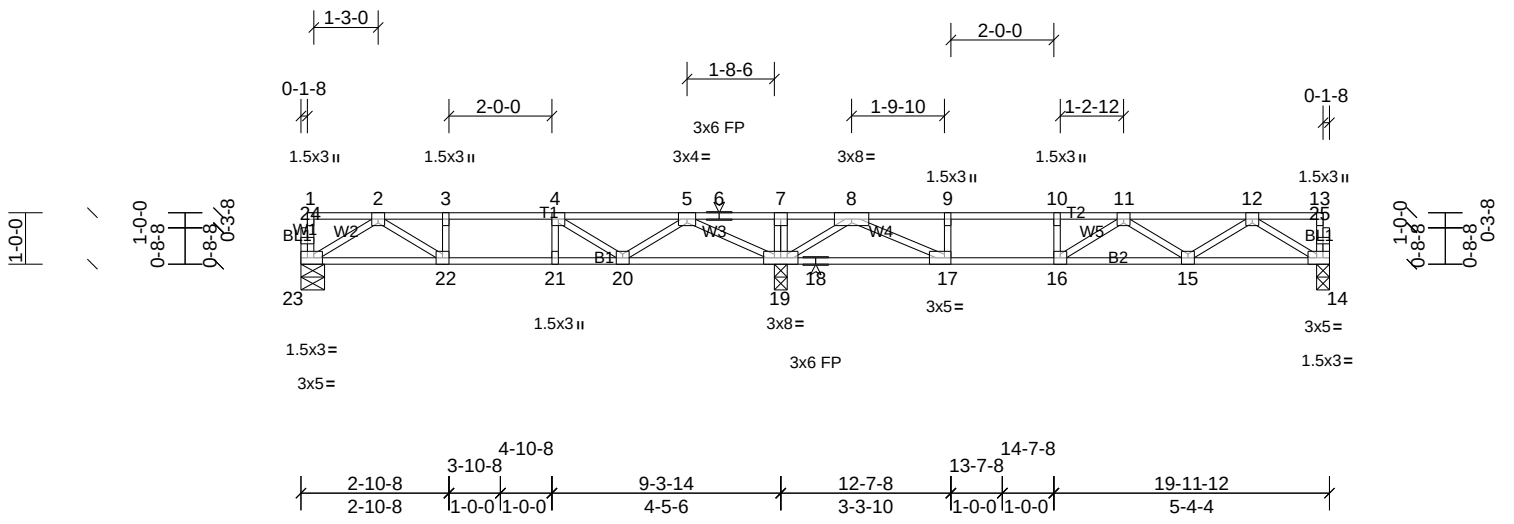
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, 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	
72342486	1F5	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd — Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:31:55 — Page: 1

ID:9T4olNg9b5VDdlC7vrwnI9yGhVu-Fr967dKkW9qPmW28s8X0HUEs34jS0j_fWdHWDNyE1YI



Scale = 1:44.9

Plate Offsets (X, Y): [14:0-2-0,Edge], [17:0-1-8,Edge], [23:0-2-0,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	0.98	Vert(LL)	-0.15	15-16	>866	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.23	15-16	>553	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 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, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-19.

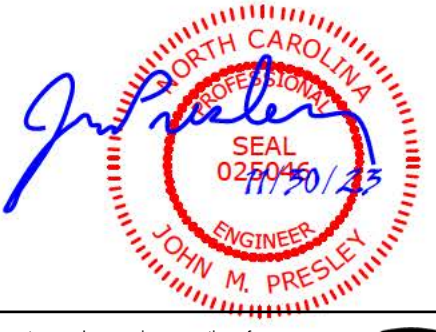
REACTIONS (lb/size) 14=603/0-3-0, (min. 0-1-8), 19=1444/0-3-0, (min. 0-1-8), 23=503/0-5-8, (min. 0-1-8)
Max Grav 14=639 (LC 4), 19=1444 (LC 1), 23=523 (LC 10)

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

TOP CHORD	2-3=-1190/0, 3-4=-1190/0, 4-5=-881/0, 5-6=0/988, 6-7=0/988, 7-8=0/984, 8-9=-1660/0, 9-10=-1660/0, 10-11=-1660/0, 11-12=-1403/0
BOT CHORD	22-23=0/709, 21-22=0/1190, 20-21=0/1190, 19-20=0/486, 18-19=-308/550, 17-18=-308/550, 16-17=0/1660, 15-16=0/1774, 14-15=0/928
WEBS	3-22=-253/0, 9-17=-443/0, 2-23=-834/0, 2-22=0/578, 8-19=-1238/0, 12-14=-1096/0, 12-15=0/579, 11-15=-453/0, 11-16=-329/0, 8-17=0/1377, 4-20=-482/0, 5-20=0/537, 5-19=-1334/0

NOTES

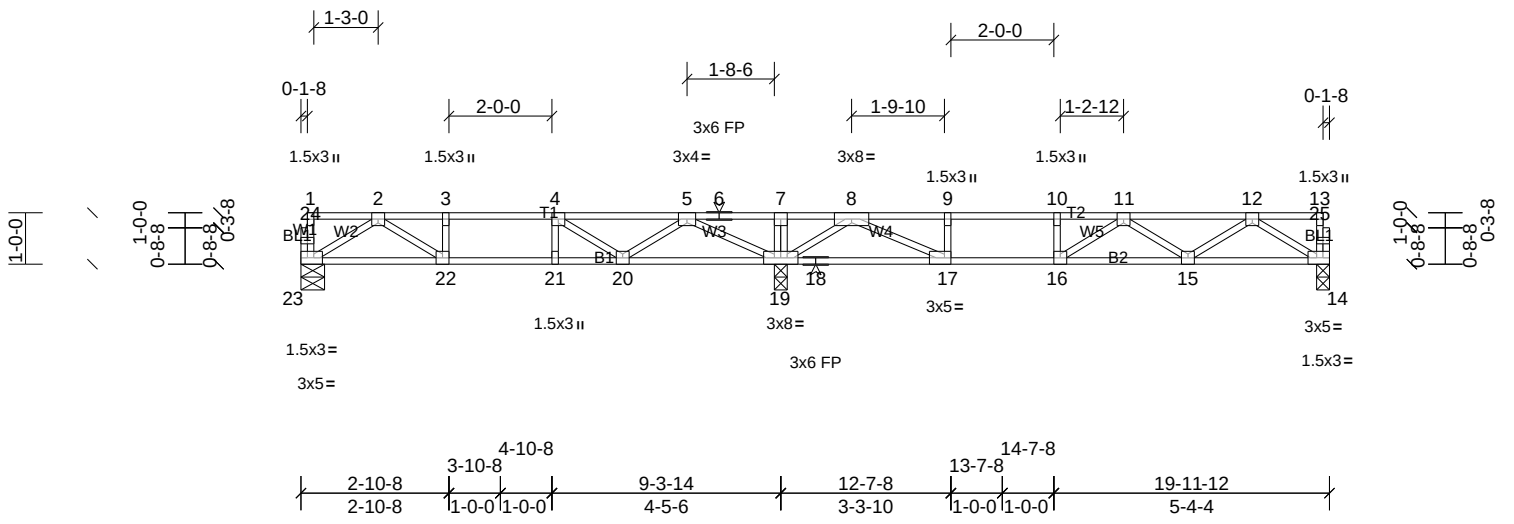
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, 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	
72342486	1F6	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd — Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:31:56 — Page: 1

ID:KaFz38o3?TufSRYF3fdMFTyGhVj-j1jVKzLMHTzGOfdKQs2Fqim1oU3hlADokH14lpyE1YH



Scale = 1:44.9

Plate Offsets (X, Y): [14:0-2-0,Edge], [17:0-1-8,Edge], [23:0-2-0,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	0.98	Vert(LL)	-0.15	15-16	>866	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.23	15-16	>553	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 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, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-19.

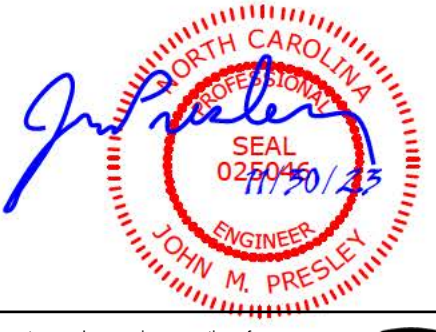
REACTIONS (lb/size) 14=603/0-3-0, (min. 0-1-8), 19=1444/0-3-0, (min. 0-1-8), 23=503/0-5-8, (min. 0-1-8)
Max Grav 14=639 (LC 4), 19=1444 (LC 1), 23=523 (LC 10)

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

TOP CHORD	2-3=-1190/0, 3-4=-1190/0, 4-5=-881/0, 5-6=0/988, 6-7=0/988, 7-8=0/984, 8-9=-1660/0, 9-10=-1660/0, 10-11=-1660/0, 11-12=-1403/0
BOT CHORD	22-23=0/709, 21-22=0/1190, 20-21=0/1190, 19-20=0/486, 18-19=-308/550, 17-18=-308/550, 16-17=0/1660, 15-16=0/1774, 14-15=0/928
WEBS	3-22=-253/0, 9-17=-443/0, 2-23=-834/0, 2-22=0/578, 8-19=-1238/0, 12-14=-1096/0, 12-15=0/579, 11-15=-453/0, 11-16=-329/0, 4-20=-482/0, 5-20=0/537, 5-19=-1334/0, 8-17=0/1377

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	
72342486	1F7	Truss	11	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd — Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:31:56 — Page: 1

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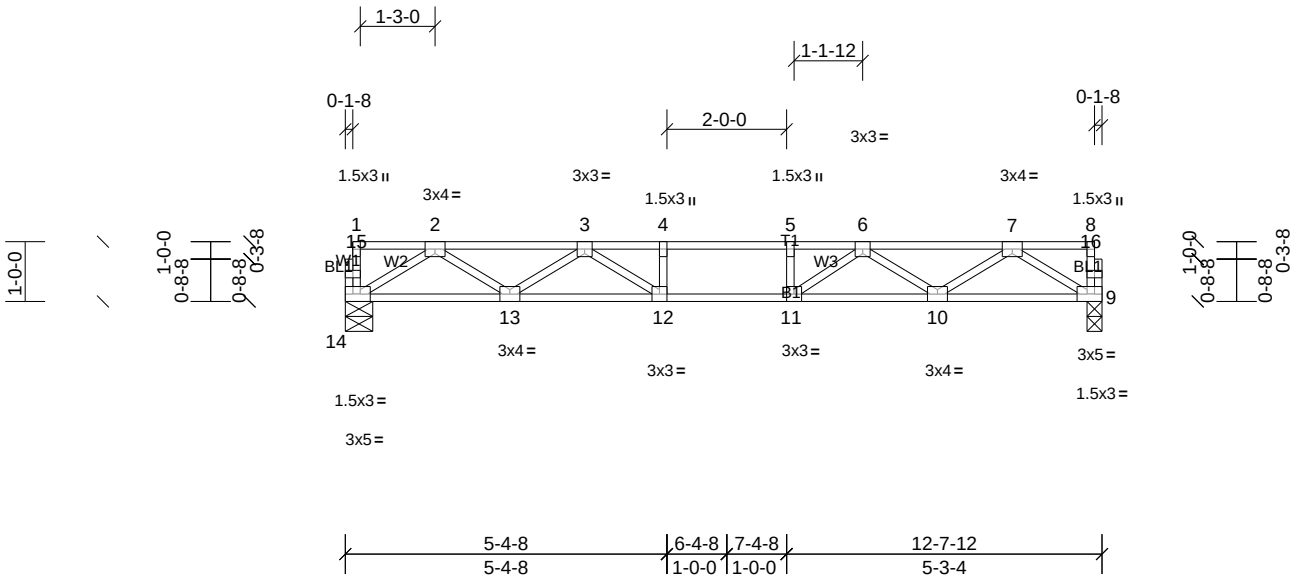


Scale = 1:38.7

Plate Offsets (X, Y): [9:0-2-0,Edge], [14:0-2-0,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)	-0.13	12-13	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.20	12-13	>760	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 61 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.

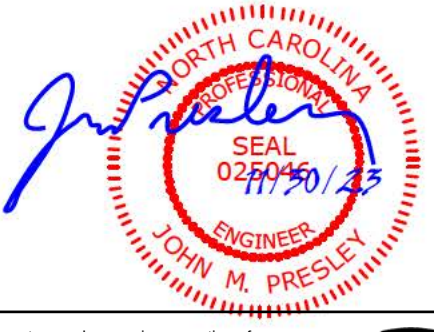
REACTIONS (lb/size) 9=798/0-3-0, (min. 0-1-8), 14=798/0-5-8, (min. 0-1-8)

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

TOP CHORD	2-3=-1850/0, 3-4=-2790/0, 4-5=-2790/0, 5-6=-2790/0, 6-7=-1848/0
BOT CHORD	13-14=0/1173, 12-13=0/2485, 11-12=0/2790, 10-11=0/2486, 9-10=0/1172
WEBS	4-12=-260/0, 5-11=-277/0, 2-14=-1387/0, 2-13=0/827, 3-13=-775/0, 3-12=0/596, 7-9=-1386/0, 7-10=0/824, 6-10=-779/0, 6-11=0/603

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	
72342486	1F8	Truss	7	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd — Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:31:56 — Page: 1

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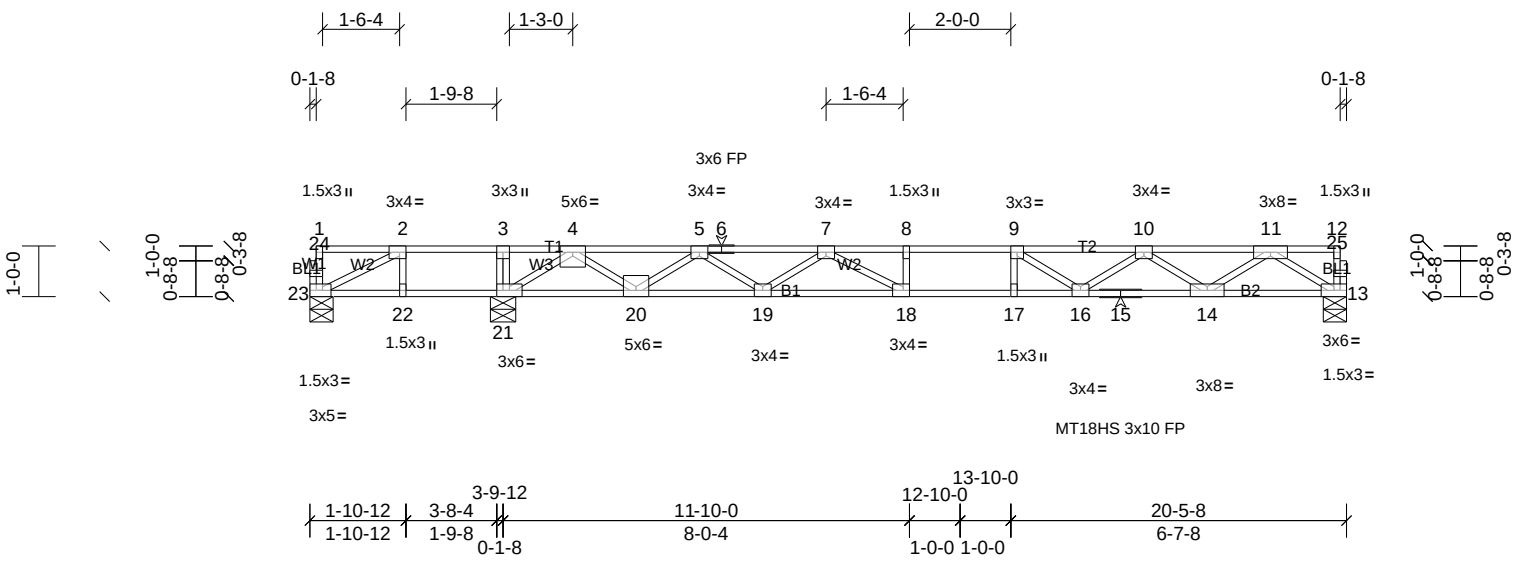


Scale = 1:45.7

Plate Offsets (X, Y): [2:0-1-8,Edge], [18:0-1-8,Edge], [23:0-2-0,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	0.95	Vert(LL)	-0.28	18-19	>707	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.46	18-19	>434	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 97 lb	FT = 20%F, 11%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, Except: 6-0-0 oc bracing: 22-23,21-22.

REACTIONS (lb/size) 13=1026/0-5-8, (min. 0-1-8), 21=1535/0-6-0, (min. 0-1-8), 23=51/0-5-8, (min. 0-1-8)
Max Uplift 23=-140 (LC 4)
Max Grav 13=1026 (LC 1), 21=1536 (LC 8), 23=210 (LC 3)

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

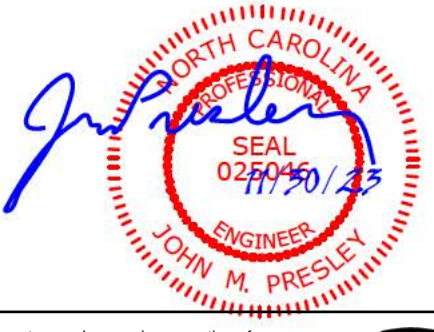
TOP CHORD 2-3=-100/632, 3-4=-100/632, 4-5=-1958/0, 5-6=-3773/0, 6-7=-3773/0, 7-8=-4616/0, 8-9=-4616/0, 9-10=-4039/0, 10-11=-2535/0

BOT CHORD 22-23=-632/100, 21-22=-632/100, 20-21=0/900, 19-20=0/3107, 18-19=0/4351, 17-18=0/4616, 16-17=0/4616, 15-16=0/3503, 14-15=0/3503, 13-14=0/1522

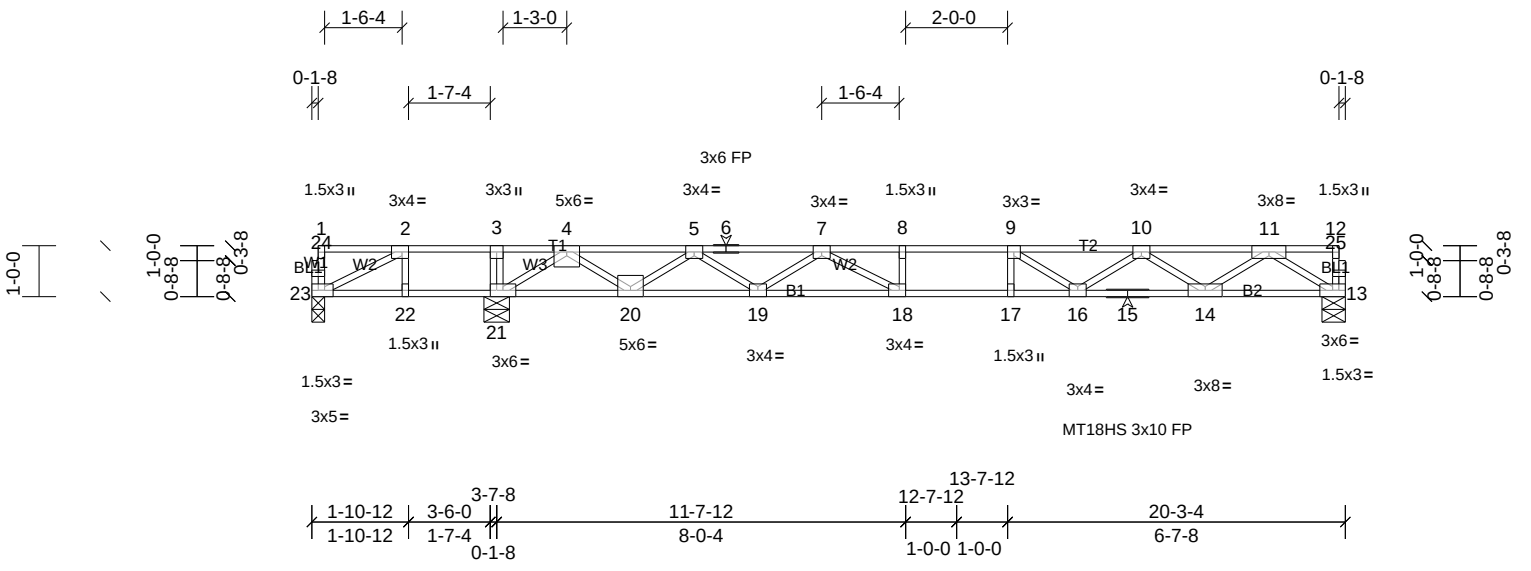
WEBS 3-21=-481/0, 4-21=-1597/0, 4-20=0/1315, 5-20=-1413/0, 5-19=0/828, 7-19=-730/0, 11-13=-1800/0, 11-14=0/1236, 10-14=-1183/0, 10-16=0/711, 9-16=-885/0, 7-18=-55/643, 2-23=-104/718

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 23.
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	
72342486	1F9	Truss	2	1	Job Reference (optional)



Scale = 1:45.4

Plate Offsets (X, Y): [2:0-1-8,Edge], [18:0-1-8,Edge], [23:0-2-0,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	0.96	Vert(LL)	-0.27	18	>723	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.45	18-19	>444	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 96 lb	FT = 20%F, 11%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, Except: 6-0-0 oc bracing: 22-23,21-22.

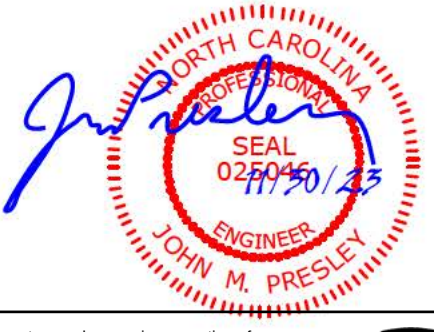
REACTIONS (lb/size) 13=1019/0-5-8, (min. 0-1-8), 21=1570/0-6-0, (min. 0-1-8), 23=-2/0-3-0, (min. 0-1-8)
Max Uplift 23=-185 (LC 4)
Max Grav 13=1019 (LC 1), 21=1570 (LC 1), 23=181 (LC 3)

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

TOP CHORD	2-3=-35/730, 3-4=-35/730, 4-5=-1853/0, 5-6=-3687/0, 6-7=-3687/0, 7-8=-4559/0, 8-9=-4559/0, 9-10=-4000/0, 10-11=-2515/0
BOT CHORD	22-23=-730/35, 21-22=-730/35, 20-21=0/788, 19-20=0/3012, 18-19=0/4276, 17-18=0/4559, 16-17=0/4559, 15-16=0/3476, 14-15=0/3476, 13-14=0/1511
WEBS	3-21=-491/0, 4-21=-1596/0, 4-20=0/1323, 5-20=-1424/0, 5-19=0/838, 7-19=-741/0, 11-13=-1787/0, 11-14=0/1226, 10-14=-1173/0, 10-16=0/698, 9-16=-866/0, 7-18=-34/658, 2-23=-30/829

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 23.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 23.
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.
7) CAUTION, Do not erect truss backwards.



Job	Truss	Truss Type	Qty	Ply	
72342486	1F10	Truss	1	1	Job Reference (optional)

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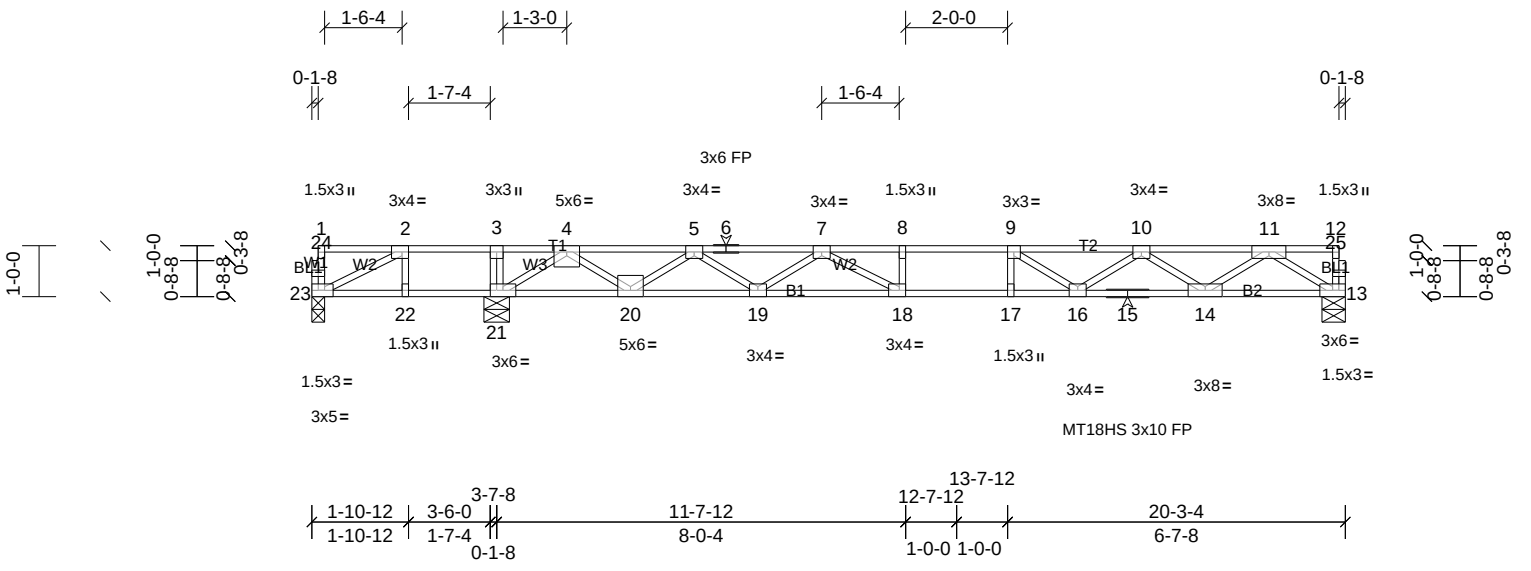


Scale = 1:45.4

Plate Offsets (X, Y): [2:0-1-8,Edge], [18:0-1-8,Edge], [23:0-2-0,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	0.96	Vert(LL)	-0.27	18	>723	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.45	18-19	>444	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 96 lb	FT = 20%F, 11%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, Except: 6-0-0 oc bracing: 22-23,21-22.

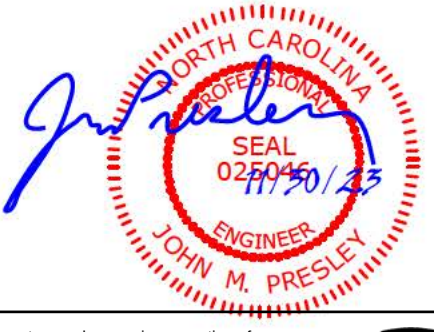
REACTIONS (lb/size) 13=1019/0-5-8, (min. 0-1-8), 21=1570/0-6-0, (min. 0-1-8), 23=-2/0-3-0, (min. 0-1-8)
Max Uplift 23=-185 (LC 4)
Max Grav 13=1019 (LC 1), 21=1570 (LC 1), 23=181 (LC 3)

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

TOP CHORD	2-3=-35/730, 3-4=-35/730, 4-5=-1853/0, 5-6=-3687/0, 6-7=-3687/0, 7-8=-4559/0, 8-9=-4559/0, 9-10=-4000/0, 10-11=-2515/0
BOT CHORD	22-23=-730/35, 21-22=-730/35, 20-21=0/788, 19-20=0/3012, 18-19=0/4276, 17-18=0/4559, 16-17=0/4559, 15-16=0/3476, 14-15=0/3476, 13-14=0/1511
WEBS	3-21=-491/0, 4-21=-1596/0, 4-20=0/1323, 5-20=-1424/0, 5-19=0/838, 7-19=-741/0, 11-13=-1787/0, 11-14=0/1226, 10-14=-1173/0, 10-16=0/698, 9-16=-866/0, 7-18=-34/658, 2-23=-30/829

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 23.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 23.
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.
7) CAUTION, Do not erect truss backwards.



Job	Truss	Truss Type	Qty	Ply	
72342486	1K1	Truss	1	1	Job Reference (optional)

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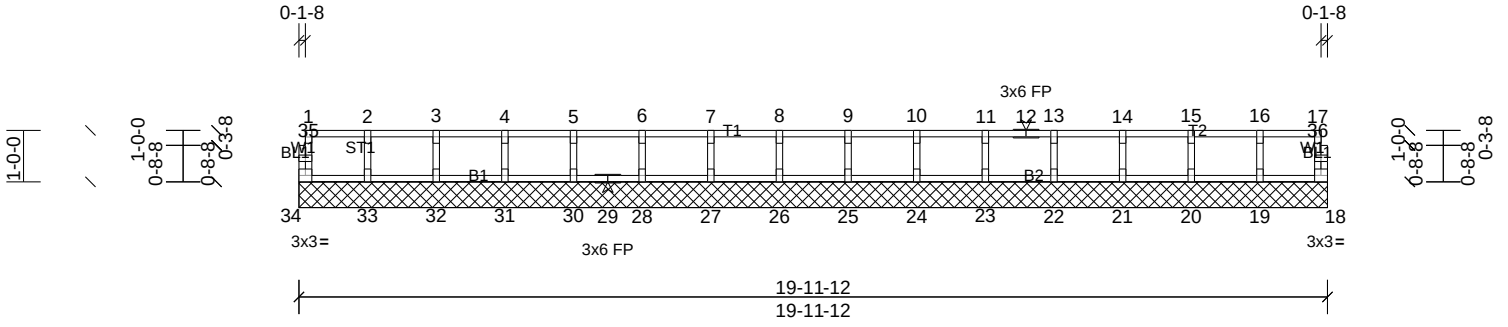


Scale = 1:44.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 79 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.

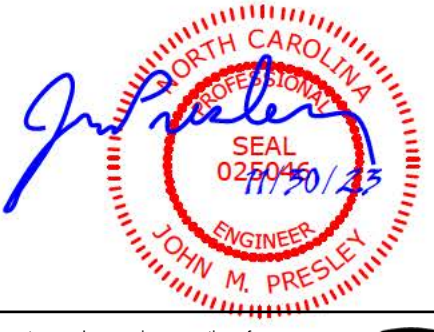
REACTIONS All bearings 19-11-12.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34

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	
72342486	1K6	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd — Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:31:57 — Page: 1

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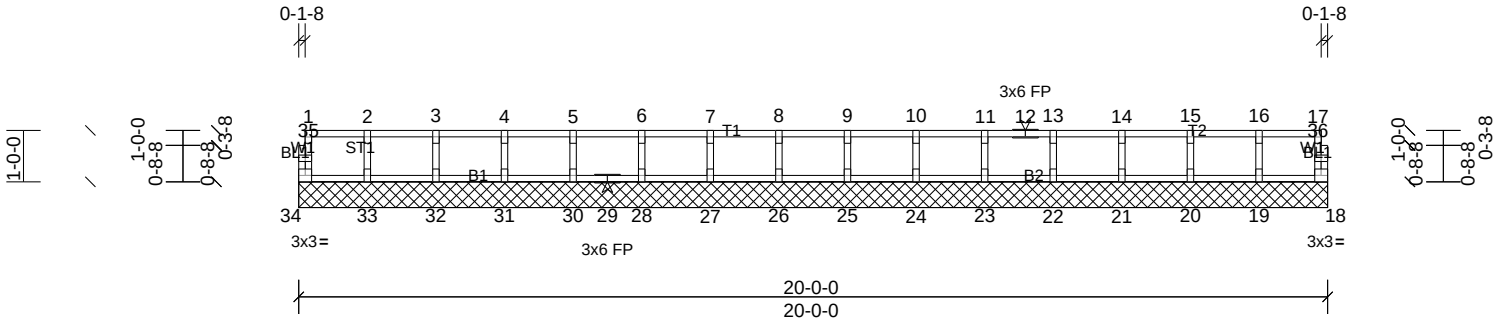


Scale = 1:45

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 79 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.

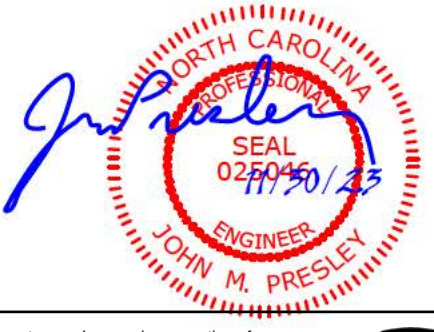
REACTIONS All bearings 20-0-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34

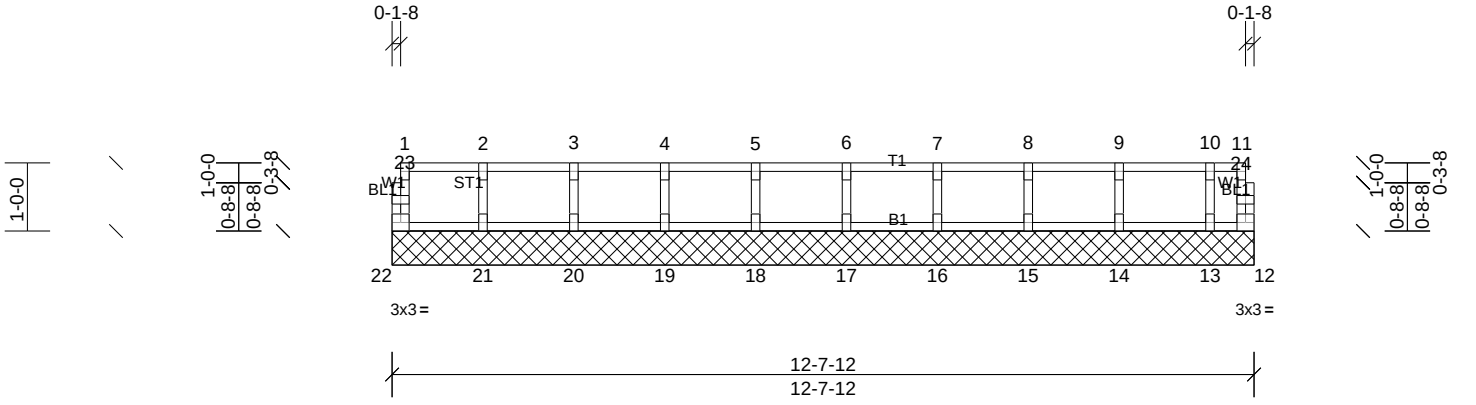
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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	
72342486	1K7	Truss	1	1	Job Reference (optional)



Scale = 1:33.9

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(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 51 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.

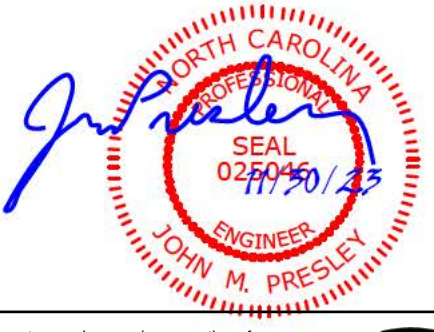
REACTIONS All bearings 12-7-12.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

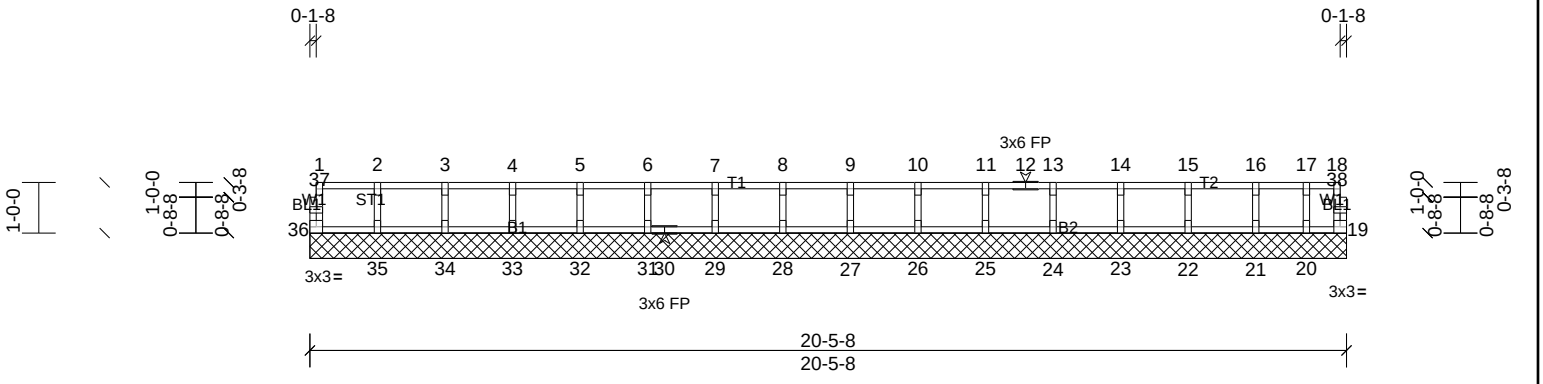
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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	
72342486	1K8	Truss	1	1	Job Reference (optional)



Scale = 1:45.7

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(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	19	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 81 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 20-5-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36

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

NOTES

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