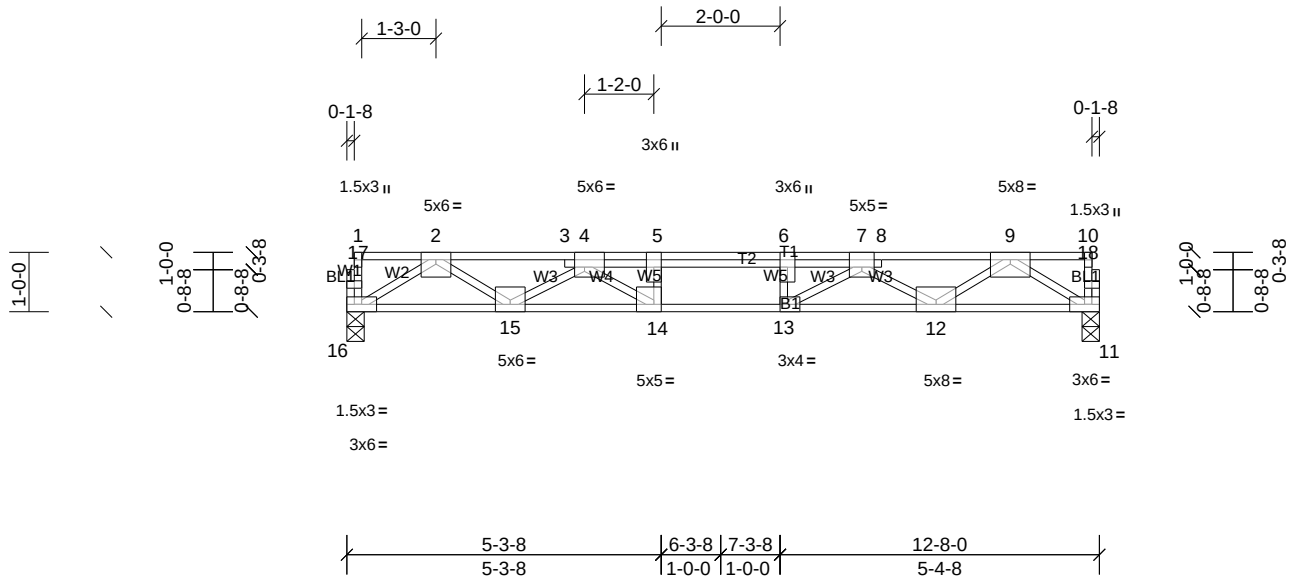
Job	Truss	Truss Type	Qty	Ply	
72342488	2F1	Truss	2	1	Job Reference (optional)



Scale = 1:38.9

Plate Offsets (X, Y): [4:0-2-0,Edge], [6:0-3-0,Edge], [7:0-2-8,Edge], [13:0-1-8,Edge], [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	0.76	Vert(LL)	-0.12	12-13	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.28	12-13	>534	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 68 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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 11=1108/0-3-8, (min. 0-1-8), 16=1021/0-3-8, (min. 0-1-8)
Max Grav 11=1145 (LC 4), 16=1021 (LC 1)

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

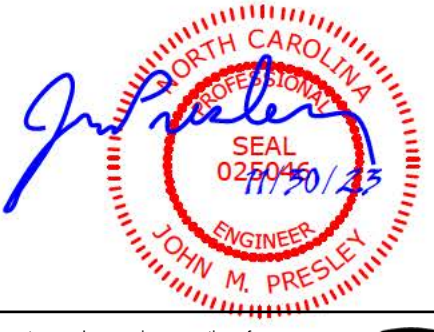
TOP CHORD	2-3=-2569/0, 3-4=-2550/0, 4-5=-5041/0, 5-6=-5041/0, 6-7=-5041/0, 7-8=-2984/0, 8-9=-3006/0
BOT CHORD	15-16=0/1501, 14-15=0/3725, 13-14=0/5041, 12-13=0/4324, 11-12=0/1702
WEBS	5-14=-856/0, 6-13=-573/0, 2-16=-1775/0, 2-15=0/1306, 4-15=-1379/0, 4-14=0/1748, 9-11=-2013/0, 9-12=0/1592, 7-12=-1572/0, 7-13=0/1014

NOTES

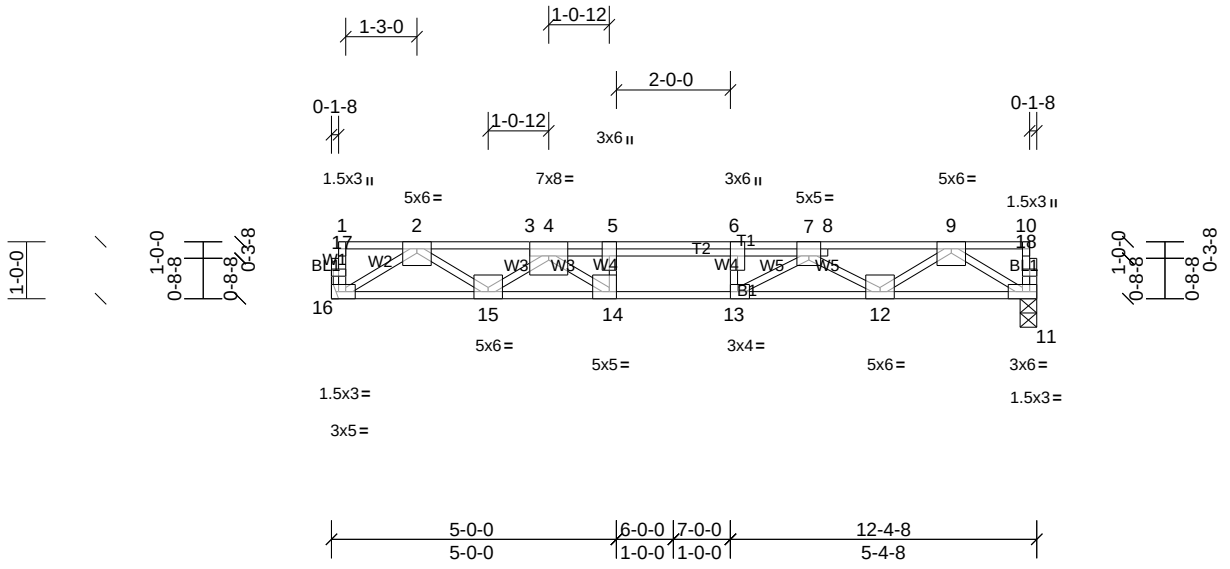
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Load case(s) 1, 3 has/have been modified. Building designer must review loads 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: 11-16=-10, 1-10=-120
   Concentrated Loads (lb)
   Vert: 6=-530
3) Dead + Roof Live (balanced): Lumber Increase=0.90, Plate Increase=0.90
   Uniform Loads (lb/ft)
   Vert: 11-16=-10, 1-10=-40
   Concentrated Loads (lb)
   Vert: 6=-895



Job	Truss	Truss Type	Qty	Ply	
72342488	2F2	Truss	8	1	Job Reference (optional)



Scale = 1:40.6

Plate Offsets (X, Y): [6:0-3-0,Edge], [7:0-2-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [16:0-2-0,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	0.77	Vert(LL)	-0.11	12-13	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.27	12-13	>542	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 67 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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 11=1084/0-3-8, (min. 0-1-8), 16=1007/ Mechanical, (min. 0-1-8)
Max Grav 11=1121 (LC 4), 16=1007 (LC 1)

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

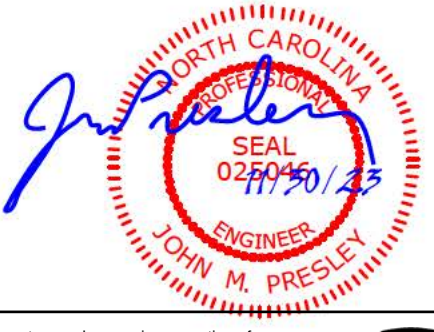
TOP CHORD	2-3=-2551/0, 3-4=-2530/0, 4-5=-4864/0, 5-6=-4864/0, 6-7=-4864/0, 7-8=-2915/0, 8-9=-2936/0
BOT CHORD	15-16=0/1480, 14-15=0/3544, 13-14=0/4864, 12-13=0/4215, 11-12=0/1665
WEBS	2-16=-1750/0, 2-15=0/1307, 4-15=-1251/0, 4-14=0/1782, 9-11=-1969/0, 9-12=0/1551, 7-12=-1526/0, 7-13=0/939, 5-14=-926/0, 6-13=-538/0

NOTES

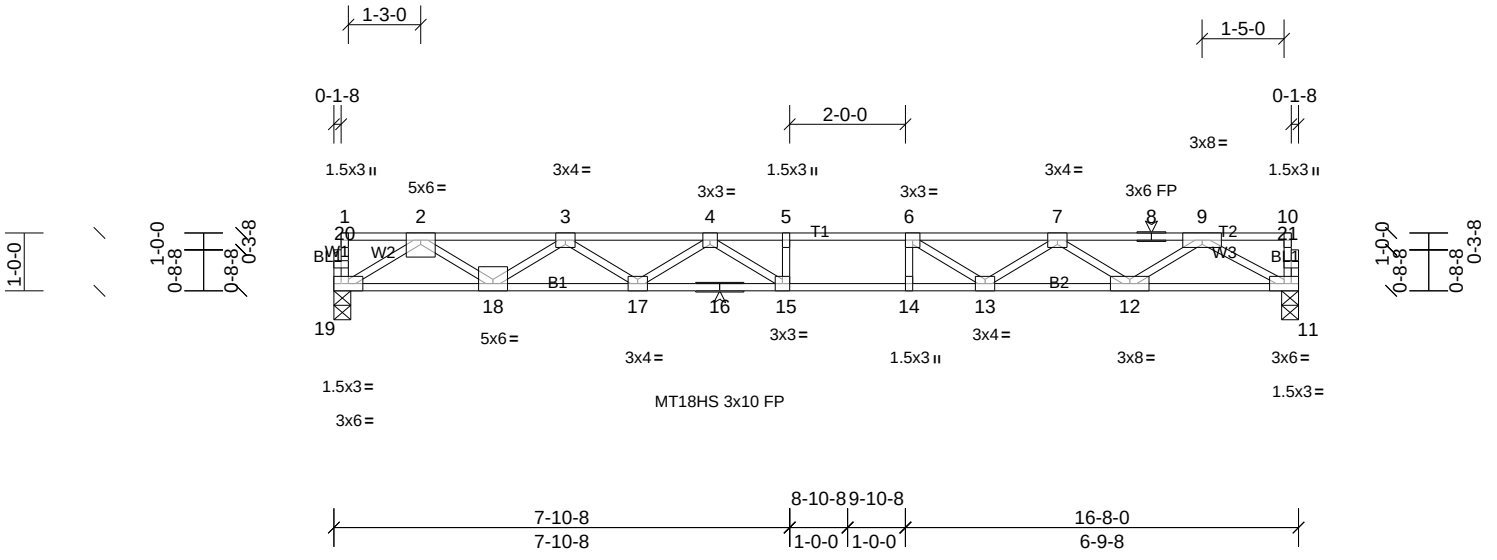
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Load case(s) 1, 3 has/have been modified. Building designer must review loads 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: 11-16=-10, 1-10=-120
   Concentrated Loads (lb)
   Vert: 6=-530
3) Dead + Roof Live (balanced): Lumber Increase=0.90, Plate Increase=0.90
   Uniform Loads (lb/ft)
   Vert: 11-16=-10, 1-10=-40
   Concentrated Loads (lb)
   Vert: 6=-895



Job	Truss	Truss Type	Qty	Ply	
72342488	2F3	Truss	10	1	Job Reference (optional)



Scale = 1:40

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	0.89	Vert(LL)	-0.30	15-17	>655	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.49	15-17	>402	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 79 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.

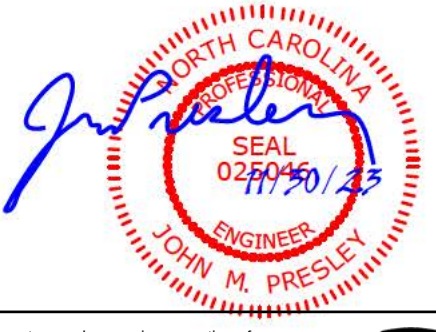
REACTIONS (lb/size) 11=1060/0-3-8, (min. 0-1-8), 19=1060/0-3-8, (min. 0-1-8)

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

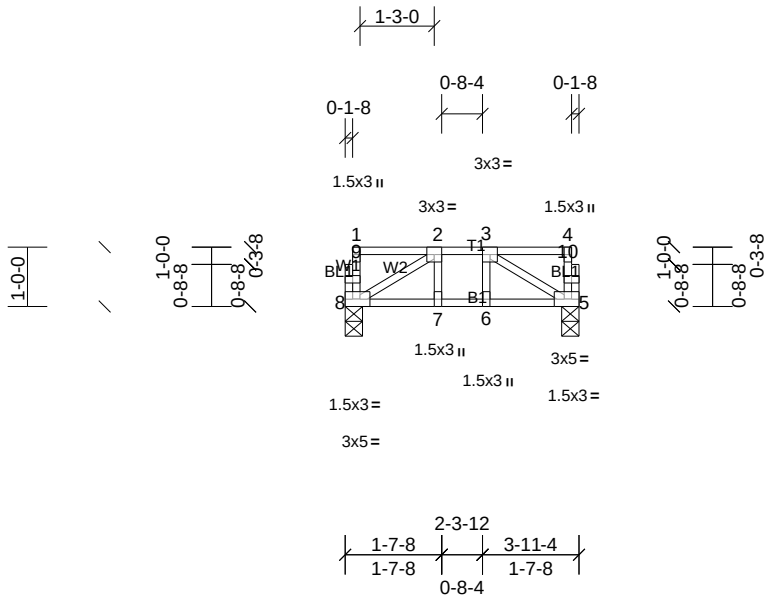
TOP CHORD	2-3=-2633/0, 3-4=-4242/0, 4-5=-4916/0, 5-6=-4916/0, 6-7=-4309/0, 7-8=-2770/0, 8-9=-2770/0
BOT CHORD	18-19=0/1570, 17-18=0/3664, 16-17=0/4762, 15-16=0/4762, 14-15=0/4916, 13-14=0/4916, 12-13=0/3754, 11-12=0/1741
WEBS	2-19=-1857/0, 2-18=0/1298, 3-18=-1258/0, 3-17=0/706, 4-17=-635/0, 4-15=-154/583, 9-11=-1997/0, 9-12=0/1257, 7-12=-1200/0, 7-13=0/738, 6-13=-922/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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	
72342488	2F4	Truss	2	1	Job Reference (optional)



Scale = 1:39

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	0.65	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.39	Vert(CT)	-0.02	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 22 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 3-11-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=980/0-3-8, (min. 0-1-8), 8=980/0-3-8, (min. 0-1-8)

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

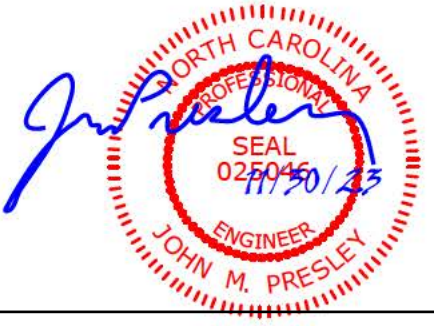
TOP CHORD	8-9=-323/0, 1-9=-322/0, 5-10=-323/0, 4-10=-322/0, 2-3=-1091/0
BOT CHORD	7-8=0/1091, 6-7=0/1091, 5-6=0/1091
WEBS	2-8=-1250/0, 3-5=-1250/0

NOTES

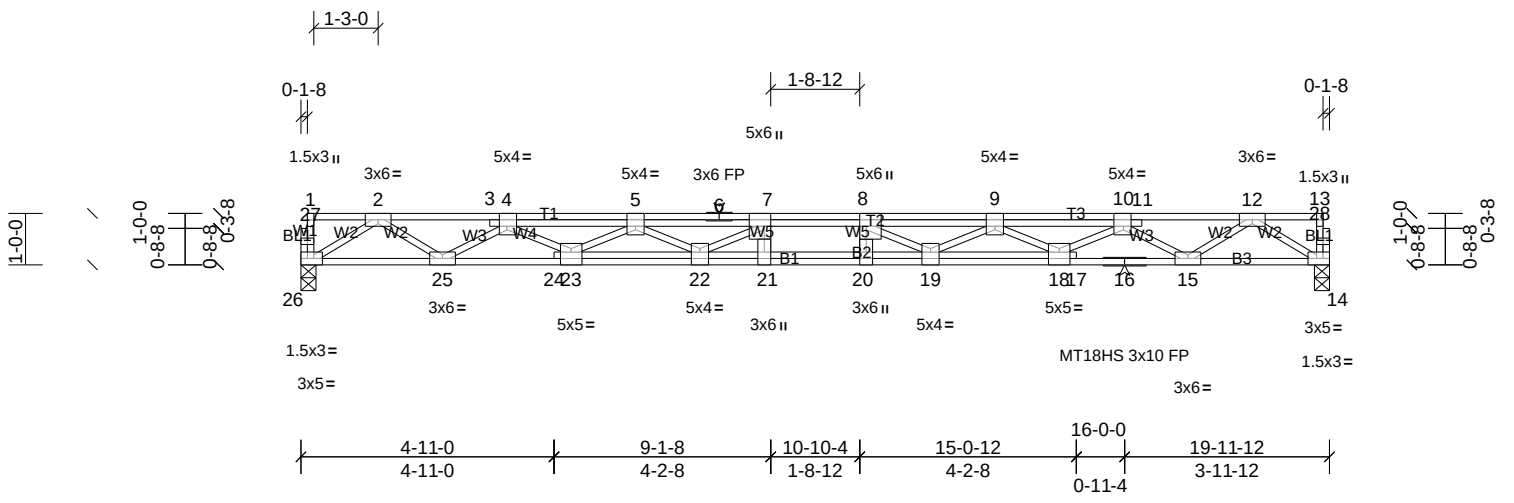
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Load case(s) 1 has/have been modified. Building designer must review loads 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.
5) 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=-540 (F=-420)



Job	Truss	Truss Type	Qty	Ply	
72342488	2G1	Truss	2	1	Job Reference (optional)



Scale = 1:44.9

Plate Offsets (X, Y): [4:0-1-12,Edge], [5:0-2-0,Edge], [7:0-3-0,Edge], [8:0-3-0,Edge], [9:0-2-0,Edge], [10:0-1-12,Edge], [14:0-2-0,Edge], [18:0-2-8,Edge], [19:0-2-0,Edge], [20:0-3-0,Edge], [22:0-2-0,Edge], [23:0-2-8,Edge], [26:0-2-0,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	0.23	Vert(LL)	-0.30	20-21	>780	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.49	20-21	>480	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.07	14	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.1(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.

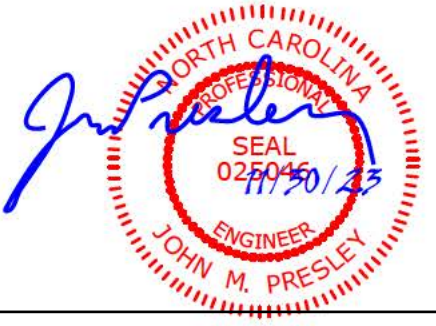
REACTIONS (lb/size) 14=850/0-3-8, (min. 0-1-8), 26=850/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2186/0, 3-4=-2172/0, 4-5=-3997/0, 5-6=-5240/0, 6-7=-5240/0, 7-8=-5473/0, 8-9=-5239/0, 9-10=-3998/0, 10-11=-2175/0, 11-12=-2187/0
BOT CHORD	25-26=0/1252, 24-25=0/3207, 23-24=0/3157, 22-23=0/4828, 21-22=0/5473, 20-21=0/5473, 19-20=0/5473, 18-19=0/4828, 17-18=0/3159, 16-17=0/3209, 15-16=0/3209, 14-15=0/1252
WEBS	12-14=-1481/0, 2-26=-1481/0, 12-15=0/1141, 2-25=0/1140, 10-15=-1219/0, 4-25=-1218/0, 10-18=0/920, 4-23=0/921, 9-18=-968/0, 5-23=-969/0, 9-19=0/555, 5-22=0/554, 8-19=-540/78, 7-22=-540/78

NOTES

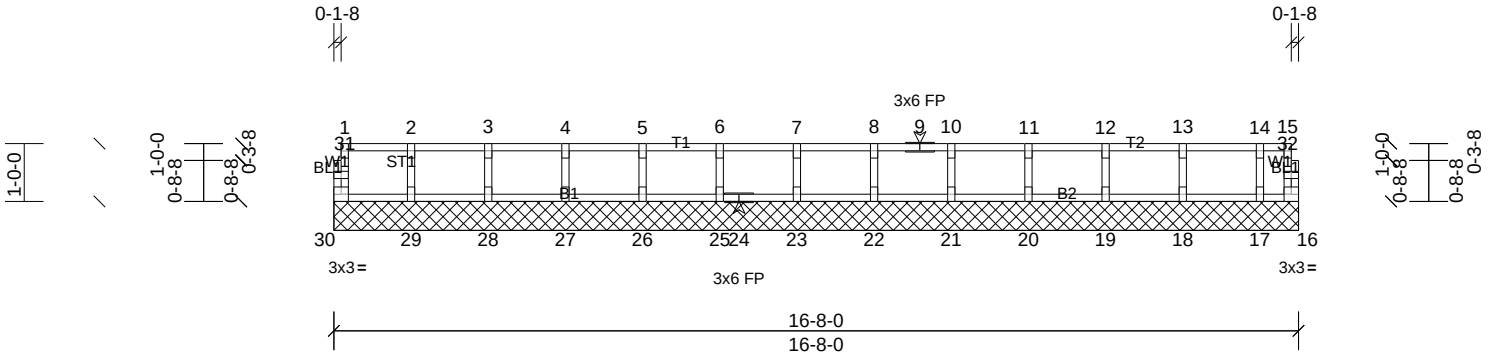
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Required 2x6 strongbacks, 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	
72342488	2K1	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 10:03:29 — Page: 1

ID:jNZS5I?wq1UxJWXlBACDCoyGiPZ-Cd4A3HhcH?uT5KdFwswy8jZXLNfaIIIYDD1EKFyE1yy



Scale = 1:40

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	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 67 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 16-8-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30

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.