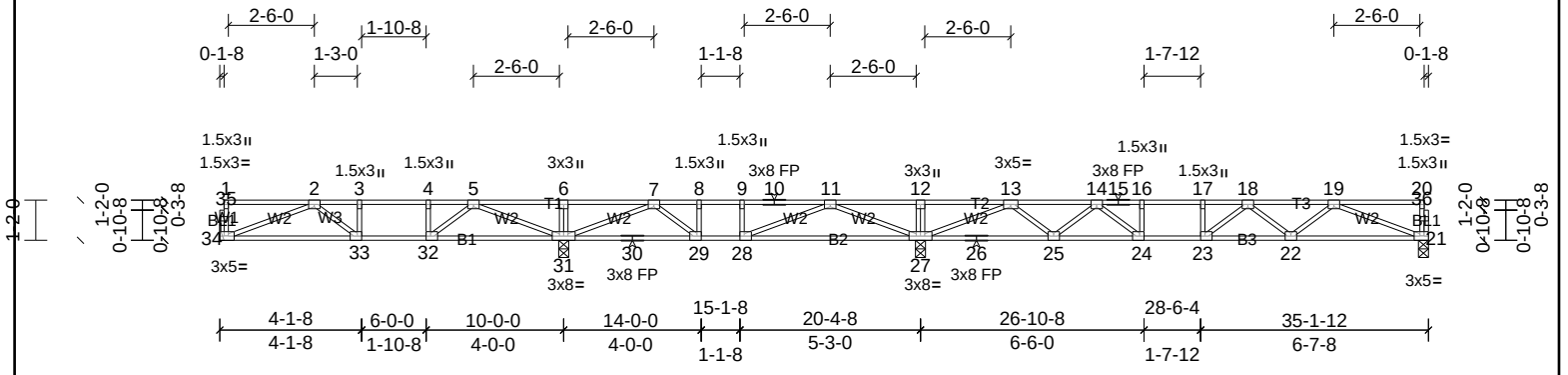
Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT200	Truss	12	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:09 — Page: 1

ID:y3sPYq5TsyrxGJGfp8_dOxzS4An-8YpCY6D0OlJb9LJLc9Z4XkvwDKRaqhQ5u?Uv?qysvf0



Scale = 1:67.2

Plate Offsets (X, Y): [21:0-2-0,Edge], [23:0-1-8,Edge], [24:0-1-8,Edge], [28:0-1-8,Edge], [29:0-1-8,Edge], [32:0-1-8,Edge], [33:0-1-8,Edge], [34:0-2-0,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	0.63	Vert(LL)	-0.13	22-23	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.17	22-23	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	21	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 171 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. except 34= Mechanical

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) except 21=565 (LC 5), 27=1310 (LC 11), 31=918 (LC 3), 34=396 (LC 5)

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

TOP CHORD	2-3=-844/0, 3-4=-844/0, 4-5=-844/0, 5-6=0/496, 6-7=0/496, 7-8=-661/334, 8-9=-661/334, 9-10=-661/334, 10-11=-661/334, 11-12=0/1298, 12-13=0/1298, 13-14=-952/42, 14-15=-1711/0, 15-16=-1711/0, 16-17=-1711/0, 17-18=-1711/0, 18-19=-1471/0
BOT CHORD	33-34=0/746, 32-33=0/844, 31-32=-2/593, 30-31=-283/501, 29-30=-283/501, 28-29=-334/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 22-23=0/1704, 21-22=0/1185
WEBS	5-31=-950/0, 2-34=-797/0, 5-32=0/425, 11-27=-1175/0, 7-31=-810/11, 11-28=0/617, 7-29=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-622/0, 18-22=-303/0, 14-24=0/577, 16-24=-253/0

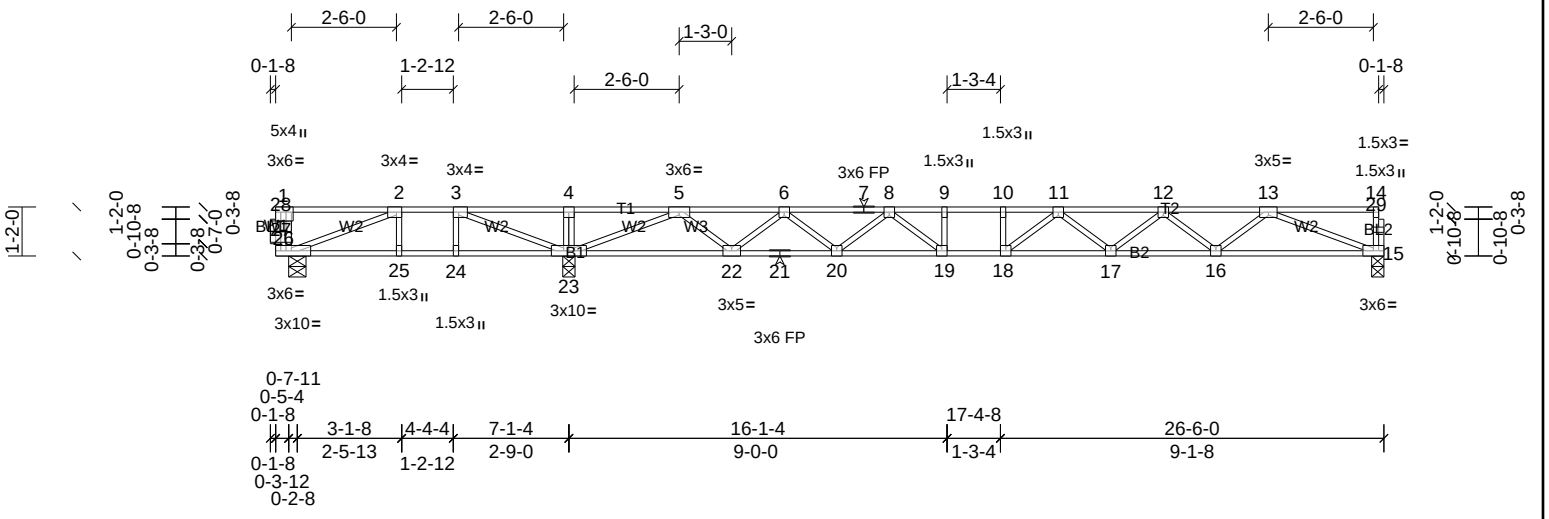
NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT201	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:09 — Page: 1

ID:nCDgotAERob5_Ejp9P41dCzS4Ah-8YpCY6D0OlJb9LJLc9Z4XkvsxKNWqfl5u?Uv?qysvf0



Scale = 1:55.1

Plate Offsets (X, Y): [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge], [27:0-4-8,Edge], [28:0-4-8,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)	-0.30	17-18	>781	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.41	17-18	>571	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 133 lb	FT = 20%F, 11%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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 15=749/0-3-8, (min. 0-1-8), 23=1506/0-3-8, (min. 0-1-8), 26=34/0-4-15, (min. 0-1-8)
Max Uplift 26=-178 (LC 4)
Max Grav 15=757 (LC 7), 23=1506 (LC 1), 26=221 (LC 3)

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

TOP CHORD 2-3=-253/711, 3-4=0/1805, 4-5=0/1805, 5-6=-1242/0, 6-7=-2370/0, 7-8=-2370/0, 8-9=-3104/0, 9-10=-3104/0, 10-11=-3104/0, 11-12=-2920/0, 12-13=-2180/0

BOT CHORD 25-26=-711/253, 24-25=-711/253, 23-24=-711/253, 22-23=0/512, 21-22=0/1930, 20-21=0/1930, 19-20=0/2806, 18-19=0/3104, 17-18=0/3134, 16-17=0/2668, 15-16=0/1661

WEBS 3-23=-1424/0, 5-23=-2251/0, 13-15=-1782/0, 5-22=0/976, 13-16=0/676, 6-22=-926/0, 12-16=-635/0, 6-20=0/594, 12-17=0/328, 8-20=-590/0, 11-17=-279/0, 8-19=0/598, 11-18=-291/285, 9-19=-264/0, 2-26=-271/760

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 178 lb uplift at joint 26.
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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT202	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:10 — Page: 1

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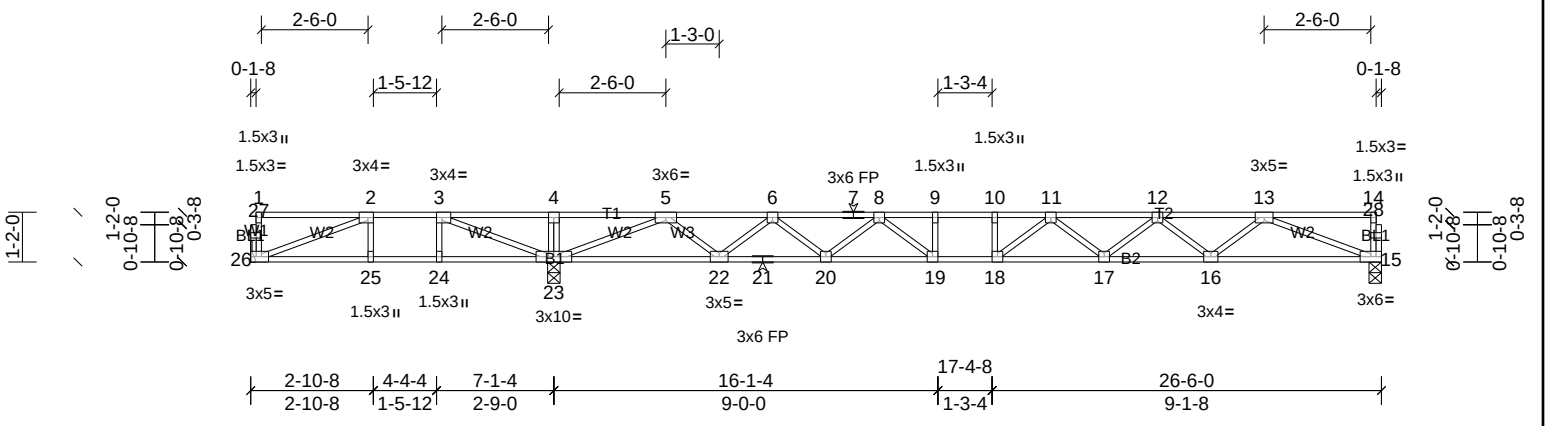


Scale = 1:54.2

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,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	0.82	Vert(LL)	-0.30	17-18	>766	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.41	17-18	>560	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 130 lb	FT = 20%F, 11%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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 15=758/0-3-8, (min. 0-1-8), 23=1474/0-3-8, (min. 0-1-8), 26=68/ Mechanical, (min. 0-1-8)
Max Uplift 26=-145 (LC 4)
Max Grav 15=767 (LC 7), 23=1474 (LC 1), 26=232 (LC 3)

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

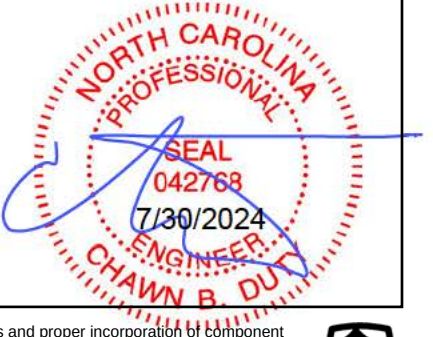
TOP CHORD 2-3=-290/615, 3-4=0/1655, 4-5=0/1655, 5-6=-1381/0, 6-7=-2488/0, 7-8=-2488/0, 8-9=-3192/0, 9-10=-3192/0, 10-11=-3192/0, 11-12=-2977/0, 12-13=-2216/0

BOT CHORD 25-26=-615/290, 24-25=-615/290, 23-24=-615/290, 22-23=0/663, 21-22=0/2058, 20-21=0/2058, 19-20=0/2912, 18-19=0/3192, 17-18=0/3203, 16-17=0/2714, 15-16=0/1685

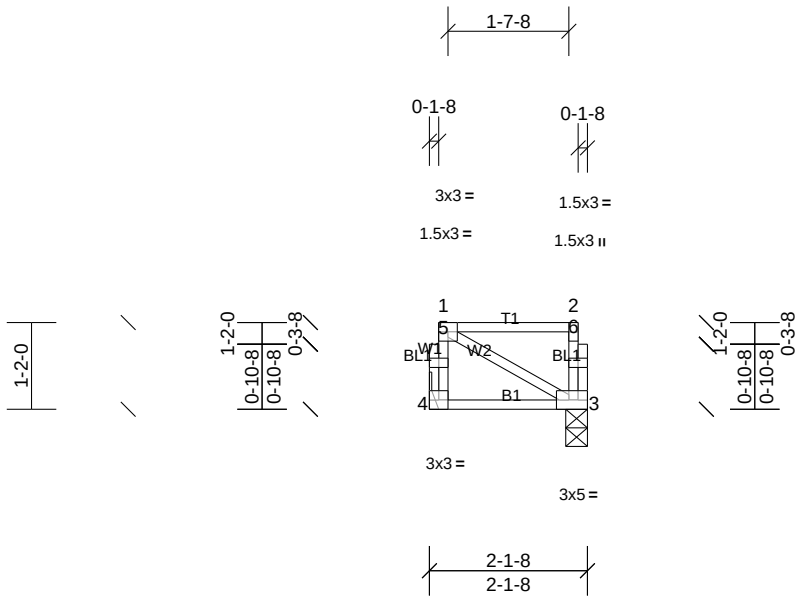
WEBS 3-23=-1364/0, 2-26=-305/663, 5-23=-2228/0, 13-15=-1807/0, 5-22=0/963, 13-16=0/691, 6-22=-913/0, 12-16=-649/0, 6-20=0/582, 12-17=0/341, 8-20=-576/0, 11-17=-295/0, 8-19=0/586, 11-18=-279/301, 9-19=-258/0

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 145 lb uplift at joint 26.
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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT203	Truss	1	1	Job Reference (optional)



Scale = 1:31.1

Plate Offsets (X, Y): [3:0-2-0,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	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 14 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 2-1-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=97/0-3-8, (min. 0-1-8), 4=97/ Mechanical, (min. 0-1-8)

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

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.

Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT204	Truss	6	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:10 — Page: 1

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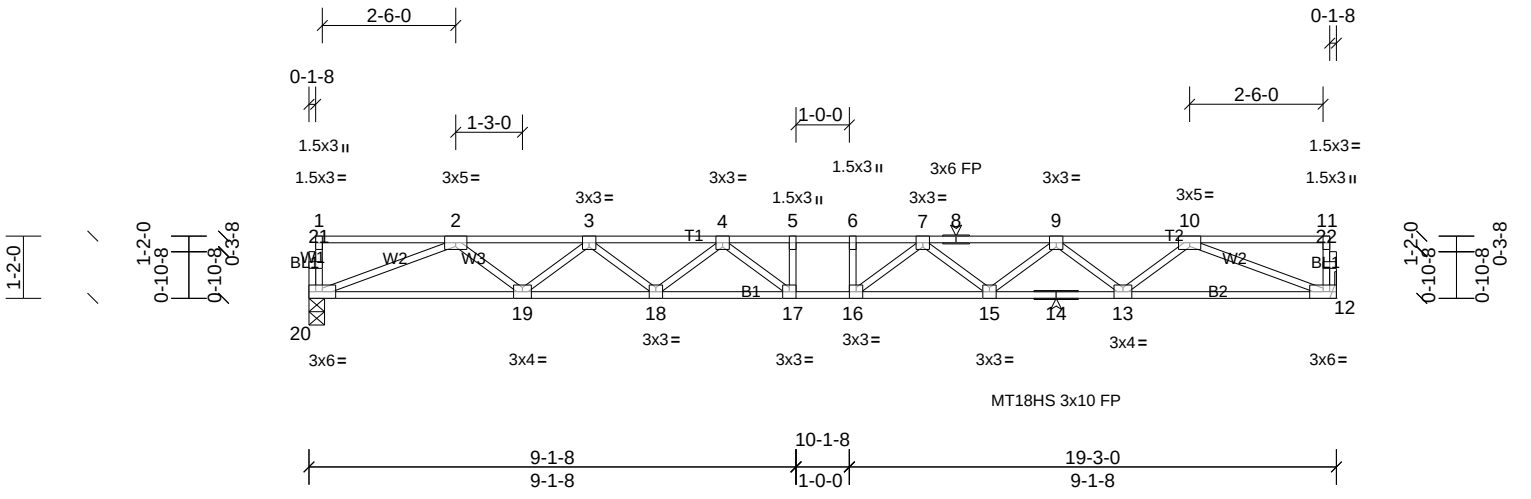


Scale = 1:43.4

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	0.50	Vert(LL)	-0.34	16-17	>675	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.46	16-17	>491	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.08	12	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.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.

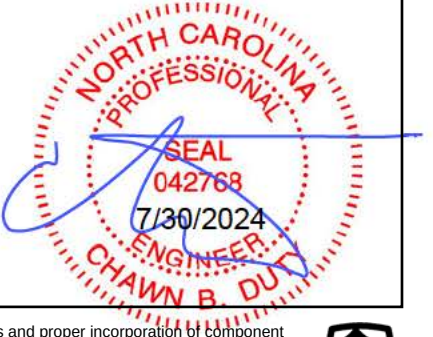
REACTIONS (lb/size) 12=831/ Mechanical, (min. 0-1-8), 20=831/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2455/0, 3-4=-3362/0, 4-5=-3787/0, 5-6=-3787/0, 6-7=-3787/0, 7-8=-3362/0, 8-9=-3362/0, 9-10=-2455/0
BOT CHORD	19-20=0/1847, 18-19=0/3028, 17-18=0/3673, 16-17=0/3787, 15-16=0/3673, 14-15=0/3028, 13-14=0/3028, 12-13=0/1847
WEBS	10-12=-1982/0, 2-20=-1982/0, 10-13=0/791, 2-19=0/791, 9-13=-746/0, 3-19=-746/0, 9-15=0/434, 3-18=0/434, 7-15=-406/0, 4-18=-406/0, 7-16=-158/414, 4-17=-158/414

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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT205	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:11 — Page: 1

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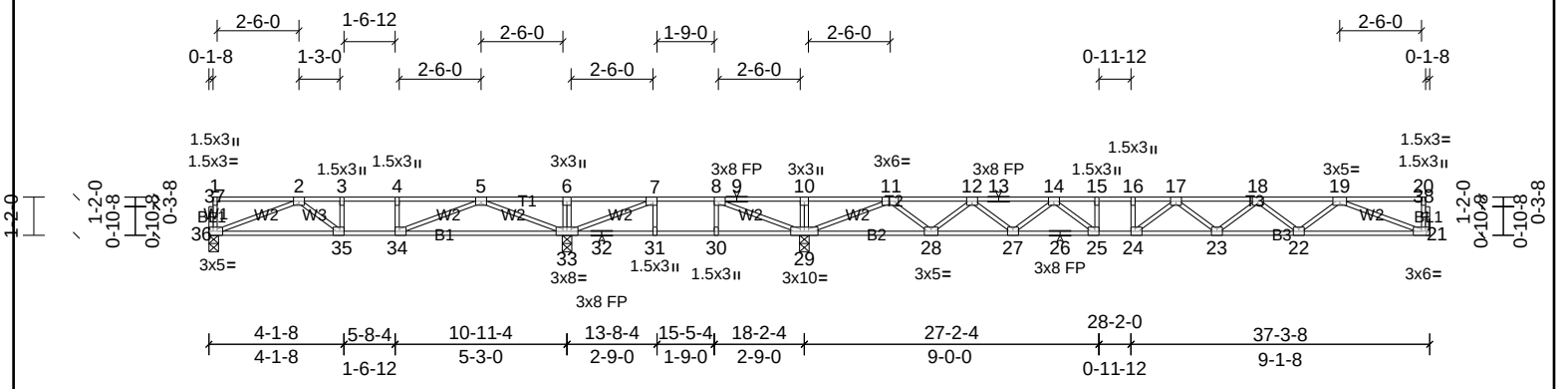


Scale = 1:70.4

Plate Offsets (X, Y): [7:0-1-8,Edge], [8:0-1-8,Edge], [24:0-1-8,Edge], [25:0-1-8,Edge], [34:0-1-8,Edge], [35:0-1-8,Edge], [36:0-2-0,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	0.91	Vert(LL)	-0.28	23-24	>810	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.38	23-24	>593	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.05	21	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 182 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 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS All bearings 0-3-8. except 21= Mechanical

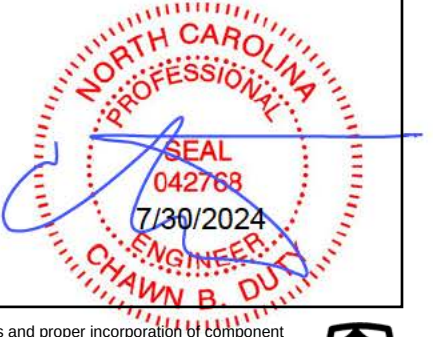
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) except 21=732 (LC 4), 29=1375 (LC 4), 33=864 (LC 3), 36=399 (LC 3)

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

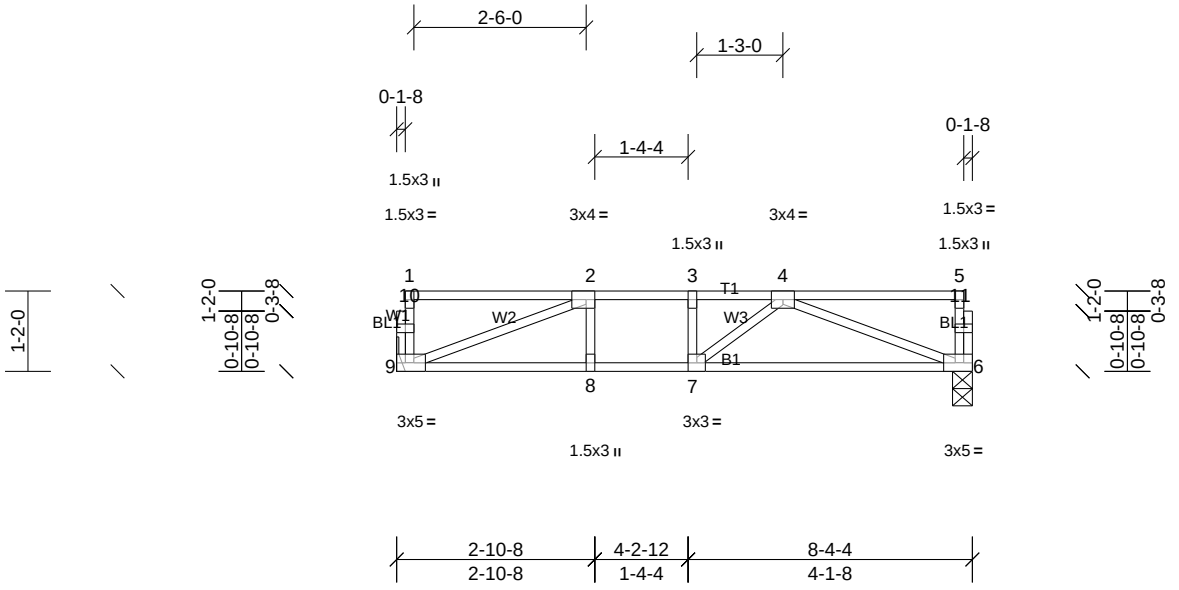
TOP CHORD	2-3=-880/85, 3-4=-880/85, 4-5=-880/85, 5-6=0/1235, 6-7=0/1235, 7-8=-21/1351, 8-9=0/1950, 9-10=0/1950, 10-11=0/1950, 11-12=-1029/0, 12-13=-2165/0, 13-14=-2165/0, 14-15=-2888/0, 15-16=-2888/0, 16-17=-2888/0, 17-18=-2764/0, 18-19=-2086/0
BOT CHORD	35-36=0/759, 34-35=-85/880, 33-34=-478/369, 32-33=-1351/21, 31-32=-1351/21, 30-31=-1351/21, 29-30=-1351/21, 28-29=-202/298, 27-28=0/1724, 26-27=0/2600, 25-26=0/2600, 24-25=0/2888, 23-24=0/2948, 22-23=0/2543, 21-22=0/1598
WEBS	6-33=-261/0, 5-33=-1250/0, 2-36=-811/0, 5-34=0/746, 7-33=-497/283, 8-29=-987/0, 11-29=-2220/0, 19-21=-1714/0, 11-28=0/969, 19-22=0/635, 12-28=-926/0, 18-22=-594/0, 12-27=0/594, 18-23=0/288, 14-27=-586/0, 14-25=0/575, 17-24=-320/226

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT206	Truss	1	1	Job Reference (optional)



Scale = 1:33.6

Plate Offsets (X, Y): [2:0-1-8,Edge], [6:0-2-0,Edge], [9:0-2-0,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	0.34	Vert(LL)	-0.05	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.08	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 42 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) 6=352/0-3-7, (min. 0-1-8), 9=352/ Mechanical, (min. 0-1-8)

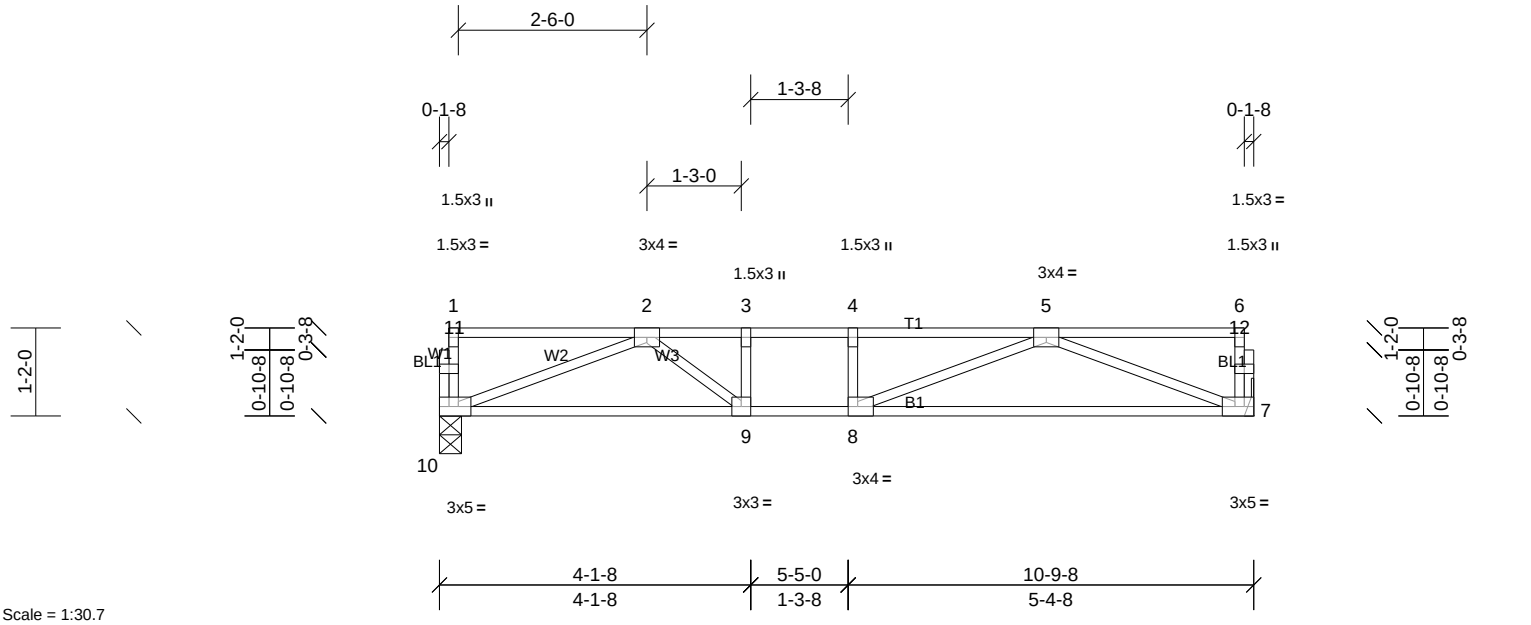
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-676/0, 3-4=-676/0
BOT CHORD	8-9=0/676, 7-8=0/676, 6-7=0/642
WEBS	4-6=-685/0, 2-9=-720/0

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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT207	Truss	4	1	Job Reference (optional)



Scale = 1:30.7

Plate Offsets (X, Y): [7:0-2-0,Edge], [8:0-1-8,Edge], [10:0-2-0,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	0.43	Vert(LL)	-0.09	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.17	7-8	>762	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 54 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) 7=459/ Mechanical, (min. 0-1-8), 10=459/0-3-8, (min. 0-1-8)

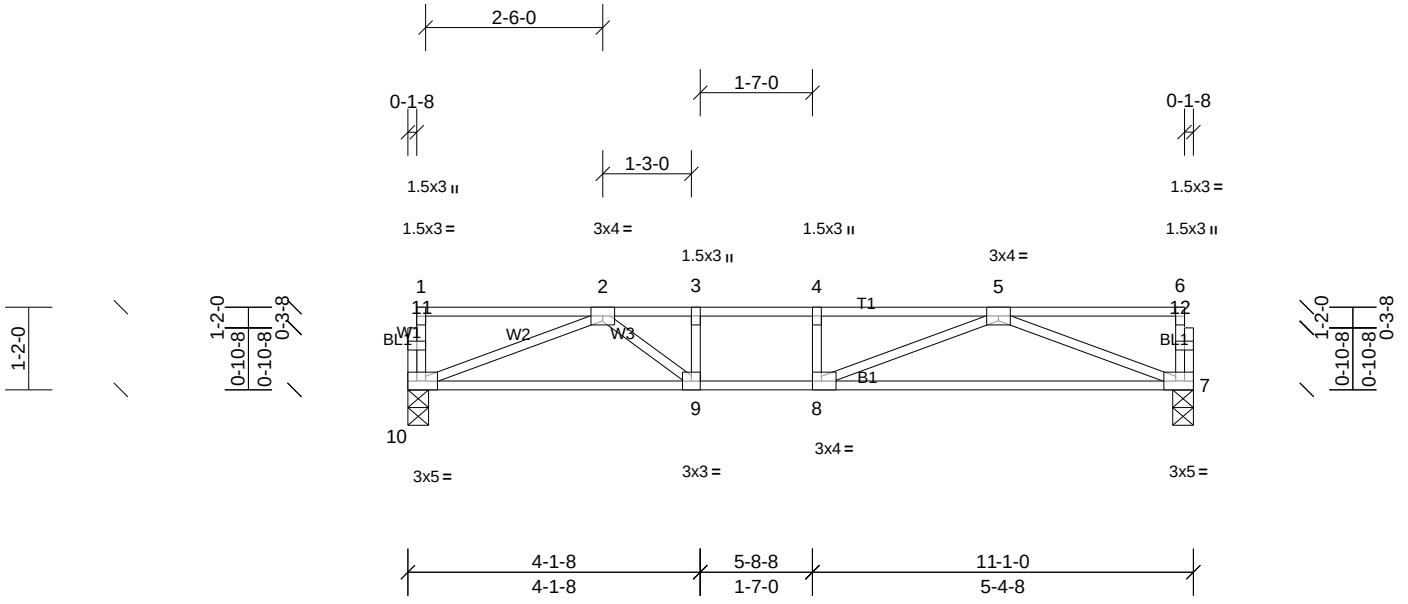
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1164/0, 3-4=-1164/0, 4-5=-1164/0
BOT CHORD	9-10=0/915, 8-9=0/1164, 7-8=0/911
WEBS	5-7=-975/0, 2-10=-979/0, 5-8=0/363, 2-9=0/415

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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT208	Truss	4	1	Job Reference (optional)



Scale = 1:32.6

Plate Offsets (X, Y): [7:0-2-0,Edge], [8:0-1-8,Edge], [10:0-2-0,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	0.50	Vert(LL)	-0.11	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.19	7-8	>684	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 54 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) 7=472/0-3-8, (min. 0-1-8), 10=472/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-1222/0, 3-4=-1222/0, 4-5=-1222/0
BOT CHORD	9-10=0/947, 8-9=0/1222, 7-8=0/943
WEBS	5-7=-1009/0, 2-10=-1013/0, 5-8=0/398, 2-9=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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT209	Truss	1	1	Job Reference (optional)

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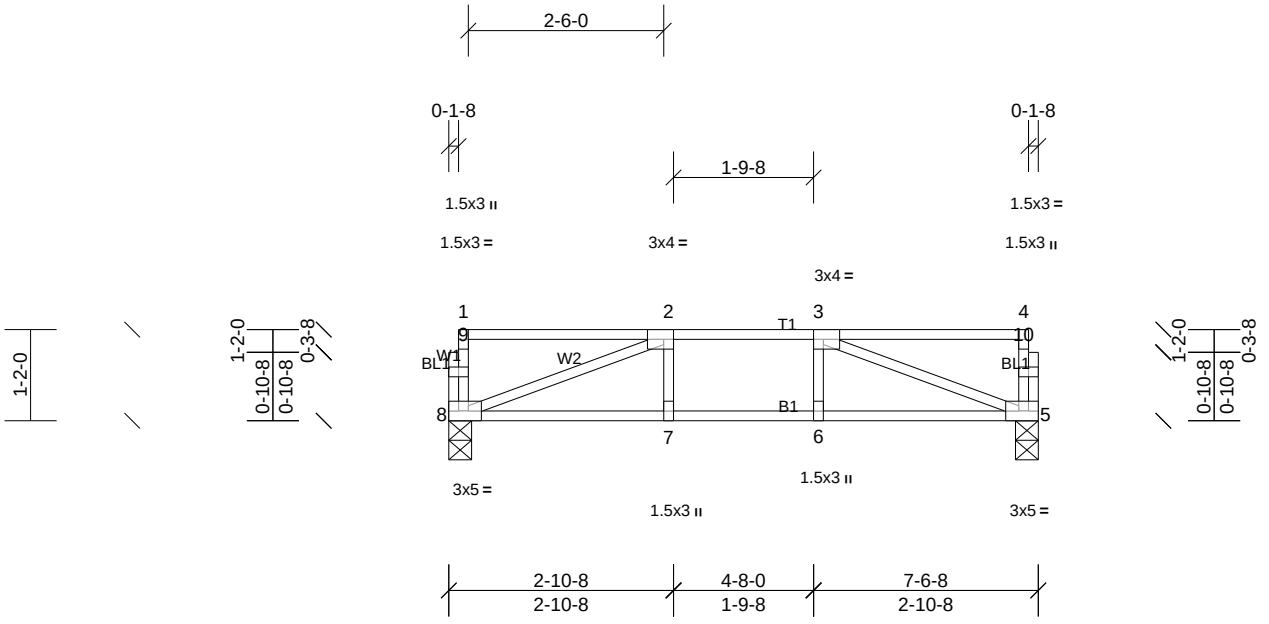


Scale = 1:29.6

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [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	0.47	Vert(LL)	-0.05	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.06	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							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 (lb/size) 5=395/0-3-8, (min. 0-1-8), 8=395/0-3-8, (min. 0-1-8)

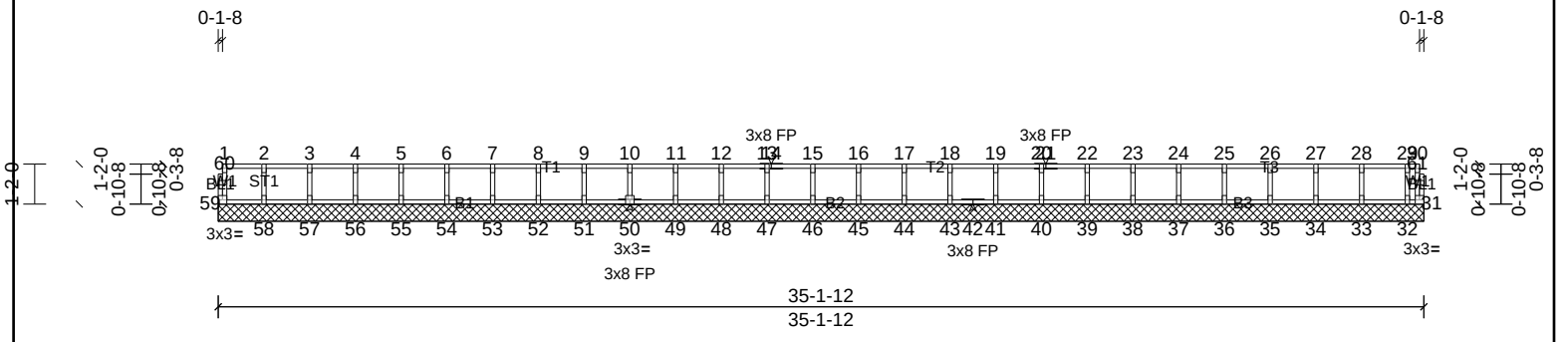
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-706/0
BOT CHORD	7-8=0/706, 6-7=0/706, 5-6=0/706
WEBS	3-5=-750/0, 2-8=-750/0

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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	KW200	Truss	1	1	Job Reference (optional)



Scale = 1:67.2

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	0.06	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)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 145 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 35-1-12.

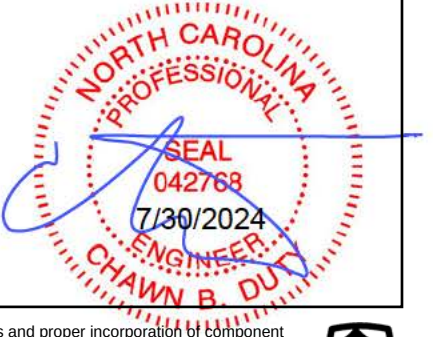
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 31

Max Grav All reactions 250 (lb) or less at joint(s) 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31.
6) 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.
7) 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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	KW201	Truss	1	1	Job Reference (optional)

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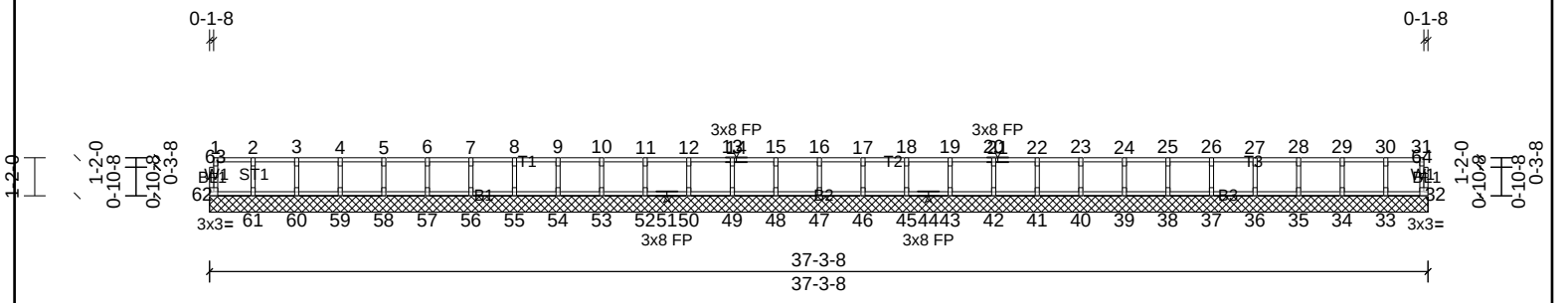

Scale = 1:70.4

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	0.06	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	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 152 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 37-3-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62

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.