Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A 2ND FL OW
72432442	FT200	Truss	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 16 07:51:43 — Page: 1

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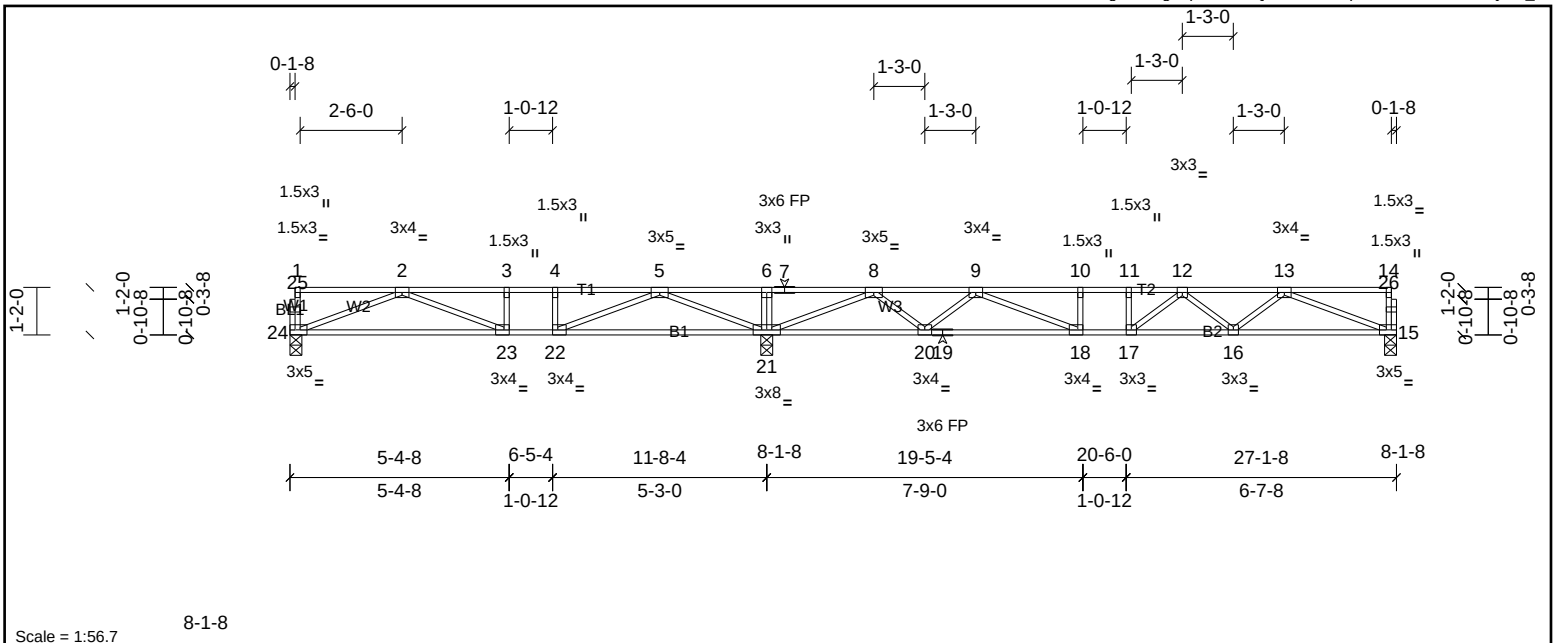


Scale = 1:56.7

Plate Offsets (X, Y): [15:0-2-0,Edge], [18:0-1-8,Edge], [22:0-1-8,Edge], [23:0-1-8,Edge], [24:0-2-0,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	0.72	Vert(LL)	-0.13	18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.19	23-24	>728	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 133 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 6-0-0 oc bracing.

REACTIONS (lb/size) 15=560/0-3-8, (min. 0-1-8), 21=1436/0-3-8, (min. 0-1-8), 24=359/0-3-8, (min. 0-1-8)

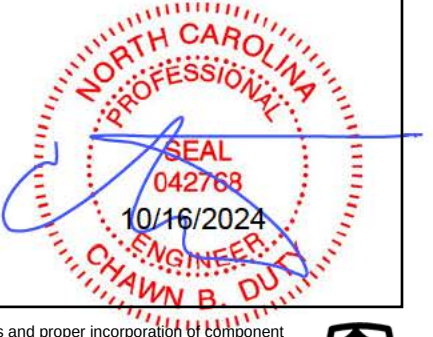
Max Grav 15=583 (LC 4), 21=1436 (LC 1), 24=434 (LC 3)

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

TOP CHORD	2-3=-1044/227, 3-4=-1044/227, 4-5=-1044/227, 5-6=0/1524, 6-7=0/1524, 7-8=0/1524, 8-9=-914/67, 9-10=-1874/0, 10-11=-1874/0, 11-12=-1874/0, 12-13=-1533/0
BOT CHORD	23-24=-21/850, 22-23=-227/1044, 21-22=-714/427, 20-21=-259/394, 19-20=0/1399, 18-19=0/1399, 17-18=0/1874, 16-17=0/1800, 15-16=0/1230
WEBS	5-21=-1405/0, 2-24=-910/24, 5-22=0/919, 4-22=-273/0, 8-21=-1755/0, 13-15=-1318/0, 8-20=0/716, 13-16=0/395, 9-20=-673/0, 12-16=-347/0, 9-18=0/672

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
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) CAUTION, Do not erect truss backwards.



Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A 2ND FL OW
72432442	FT201	Truss	8	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 16 07:51:43 — Page: 1

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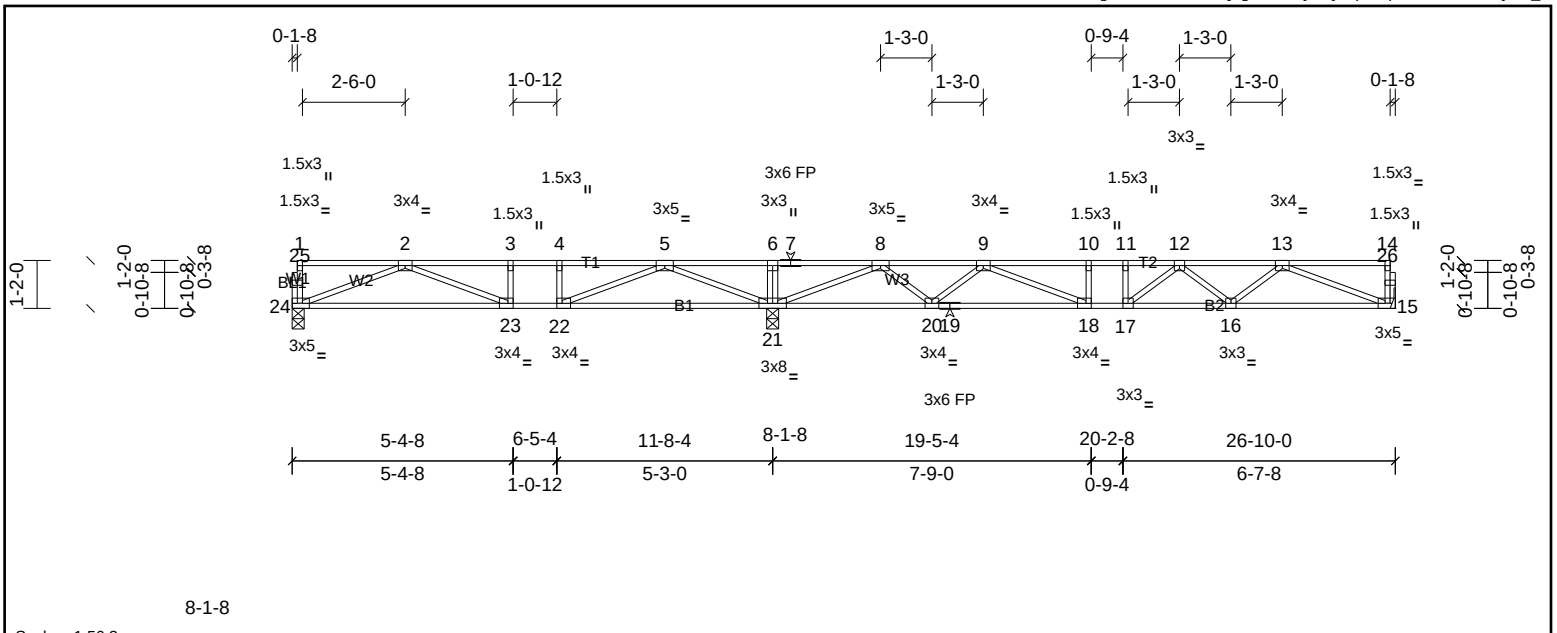


Scale = 1:56.3

Plate Offsets (X, Y): [15:0-2-0,Edge], [18:0-1-8,Edge], [22:0-1-8,Edge], [23:0-1-8,Edge], [24:0-2-0,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	0.71	Vert(LL)	-0.12	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.19	23-24	>734	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 132 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 6-0-0 oc bracing.

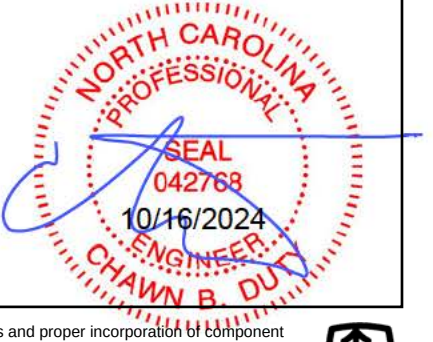
REACTIONS (lb/size) 15=547/ Mechanical, (min. 0-1-8), 21=1419/0-3-8, (min. 0-1-8), 24=363/0-3-8, (min. 0-1-8)
Max Grav 15=572 (LC 4), 21=1419 (LC 1), 24=434 (LC 3)

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

TOP CHORD	2-3=-1044/203, 3-4=-1044/203, 4-5=-1044/203, 5-6=0/1488, 6-7=0/1488, 7-8=0/1488, 8-9=-908/75, 9-10=-1810/0, 10-11=-1810/0, 11-12=-1810/0, 12-13=-1491/0
BOT CHORD	23-24=-11/851, 22-23=-203/1044, 21-22=-678/427, 20-21=-265/405, 19-20=0/1375, 18-19=0/1375, 17-18=0/1810, 16-17=0/1746, 15-16=0/1201
WEBS	5-21=-1396/0, 2-24=-910/12, 5-22=0/908, 4-22=-270/0, 8-21=-1720/0, 13-15=-1287/0, 8-20=0/696, 13-16=0/377, 9-20=-652/0, 12-16=-331/0, 9-18=0/628

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
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) CAUTION, Do not erect truss backwards.



Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A 2ND FL OW
72432442	FT202	Truss	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 16 07:51:44 — Page: 1

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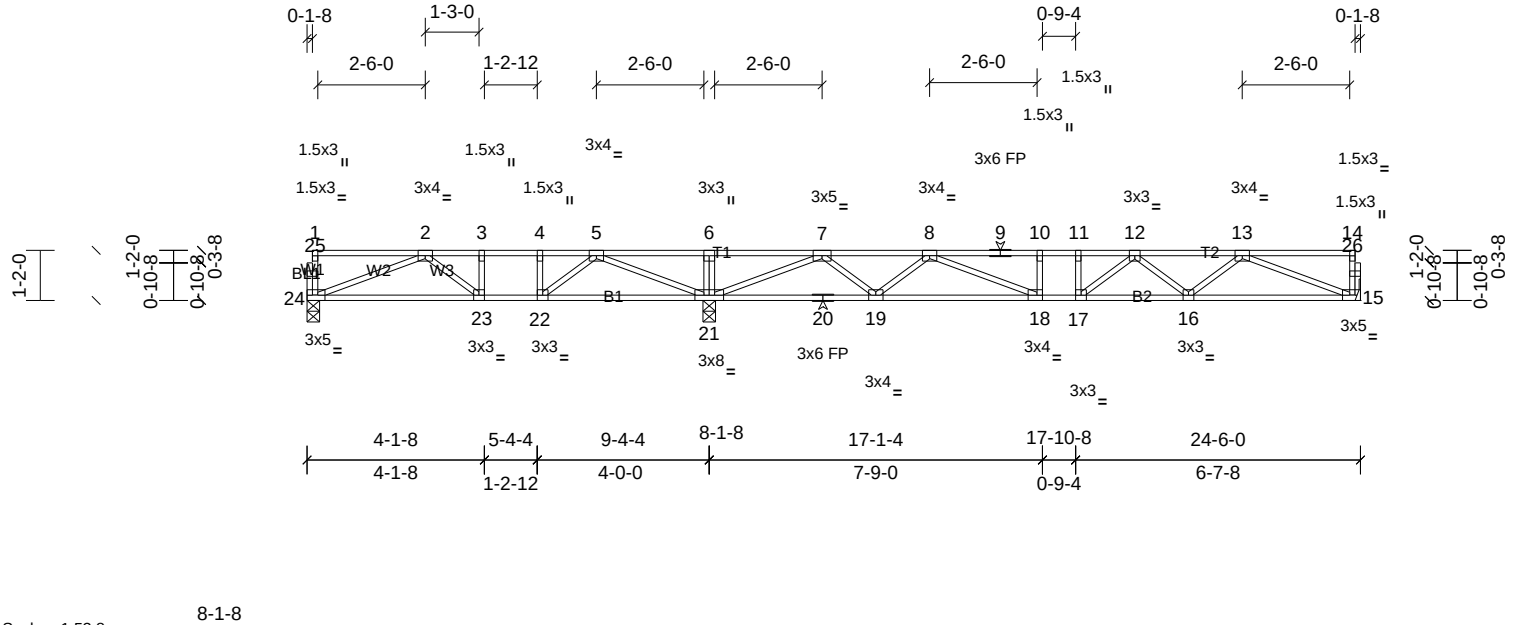


Scale = 1:53.8

8-1-8

Plate Offsets (X, Y): [15:0-2-0,Edge], [18:0-1-8,Edge], [24:0-2-0,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	0.68	Vert(LL)	-0.12	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.16	18-19	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 122 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 6-0-0 oc bracing.

REACTIONS (lb/size) 15=562/ Mechanical, (min. 0-1-8), 21=1315/0-3-8, (min. 0-1-8), 24=248/0-3-8, (min. 0-1-8)

Max Uplift 24=-23 (LC 4)

Max Grav 15=574 (LC 4), 21=1315 (LC 1), 24=339 (LC 3)

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

TOP CHORD 2-3=-614/335, 3-4=-614/335, 4-5=-614/335, 5-6=0/1297, 6-7=0/1297, 7-8=-939/0, 8-9=-1829/0, 9-10=-1829/0, 10-11=-1829/0, 11-12=-1829/0, 12-13=-1501/0

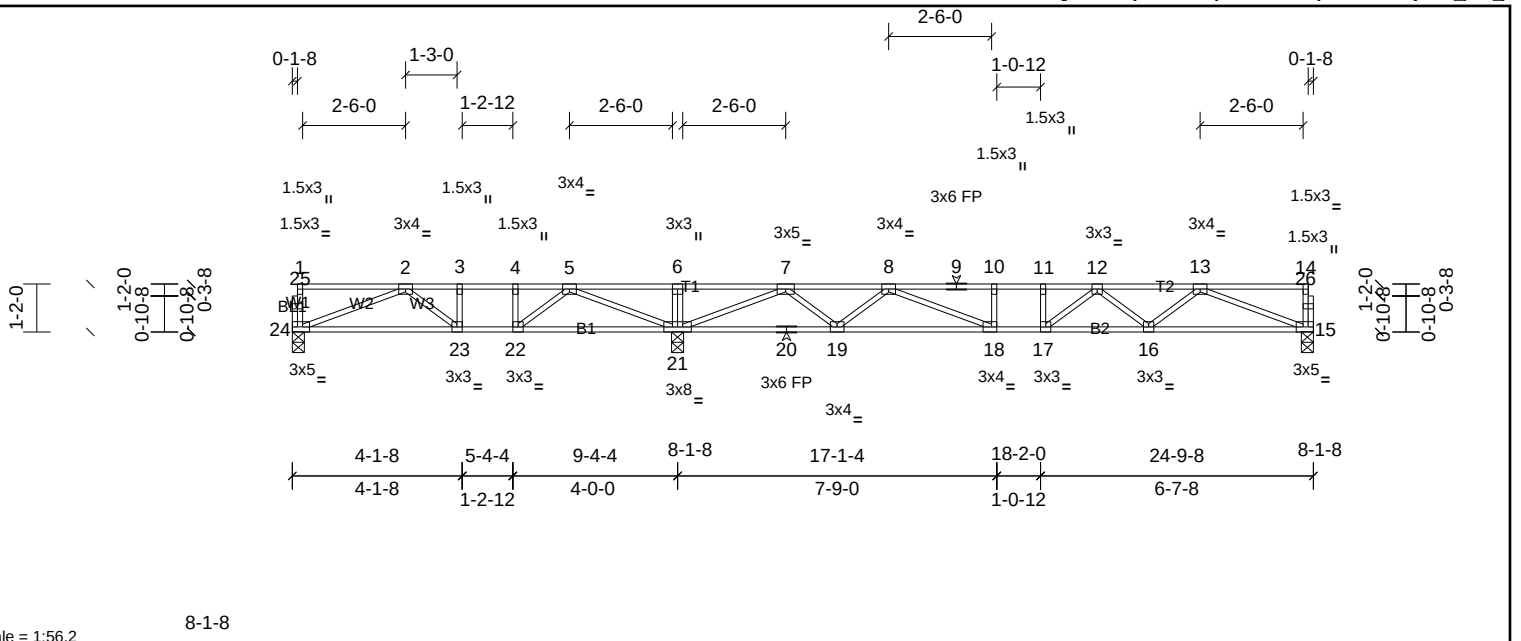
BOT CHORD 23-24=-137/607, 22-23=-335/614, 21-22=-643/366, 20-21=-83/437, 19-20=-83/437, 18-19=0/1402, 17-18=0/1829, 16-17=0/1759, 15-16=0/1208

WEBS 5-21=-1149/0, 2-24=-648/148, 5-22=0/605, 2-23=-289/9, 4-22=-293/0, 7-21=-1684/0, 13-15=-1295/0, 7-19=0/677, 13-16=0/382, 8-19=-630/0, 12-16=-336/0, 8-18=0/581

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 capable of withstanding 23 lb uplift at joint 24.
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 - GRAYSON FRMH A 2ND FL OW
72432442	FT203	Truss	2	1	Job Reference (optional)



Scale = 1:56.2

Plate Offsets (X, Y): [15:0-2-0,Edge], [18:0-1-8,Edge], [24:0-2-0,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	0.69	Vert(LL)	-0.12	18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.17	18-19	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 122 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 6-0-0 oc bracing.

REACTIONS (lb/size) 15=573/0-3-8, (min. 0-1-8), 21=1333/0-3-8, (min. 0-1-8), 24=243/0-3-8, (min. 0-1-8)
Max Uplift 24=-28 (LC 4)
Max Grav 15=585 (LC 4), 21=1333 (LC 1), 24=338 (LC 3)

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

TOP CHORD	2-3=-610/360, 3-4=-610/360, 4-5=-610/360, 5-6=0/1339, 6-7=0/1339, 7-8=-944/0, 8-9=-1892/0, 9-10=-1892/0, 10-11=-1892/0, 11-12=-1892/0, 12-13=-1543/0
BOT CHORD	23-24=-151/605, 22-23=-360/610, 21-22=-678/362, 20-21=-82/425, 19-20=-82/425, 18-19=0/1425, 17-18=0/1892, 16-17=0/1813, 15-16=0/1236
WEBS	5-21=-1162/0, 2-24=-645/163, 5-22=0/618, 2-23=-302/7, 4-22=-299/0, 7-21=-1721/0, 13-15=-1325/0, 7-19=0/698, 13-16=0/399, 8-19=-653/0, 12-16=-351/0, 8-18=0/626, 12-17=-143/269

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 capable of withstanding 28 lb uplift at joint 24.
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 - GRAYSON FRMH A 2ND FL OW
72432442	FT204	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 16 07:51:44 — Page: 1

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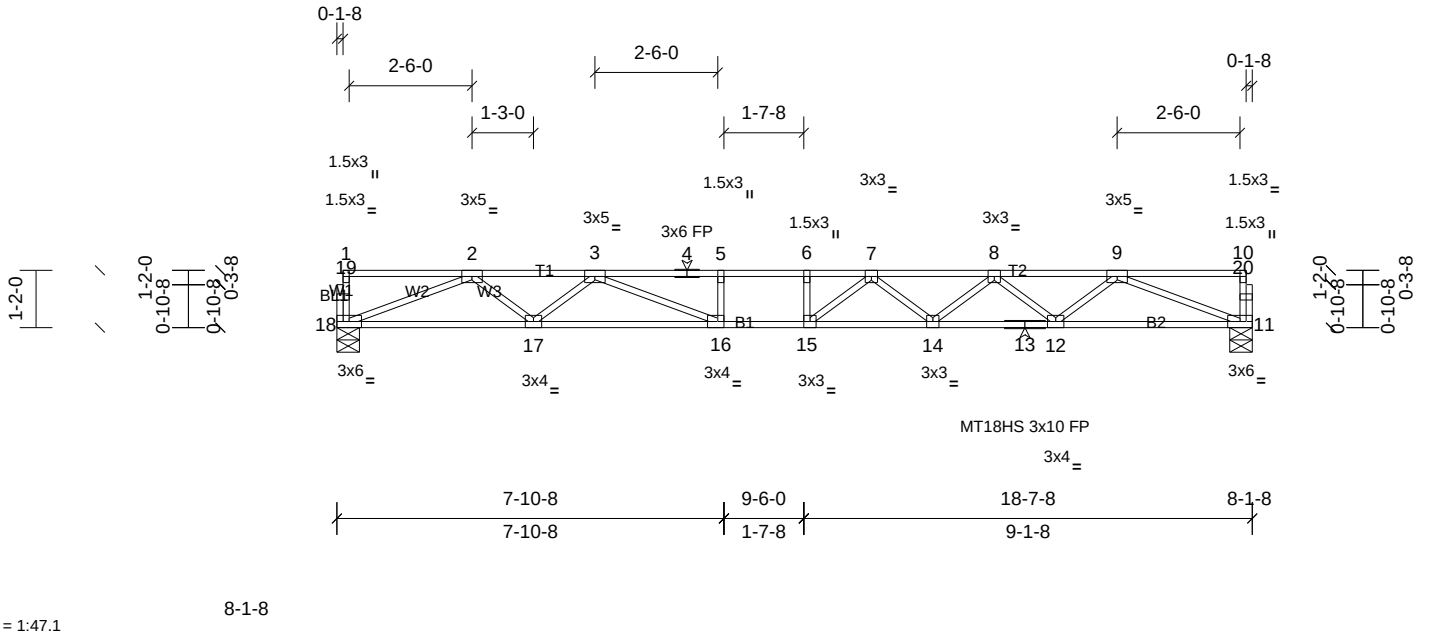


8-1-8

Scale = 1:47.1

Plate Offsets (X, Y): [16:0-1-8,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	0.69	Vert(LL)	-0.31	14-15	>703	360	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.43	14-15	>510	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 91 lb	FT = 20%F, 12%E

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

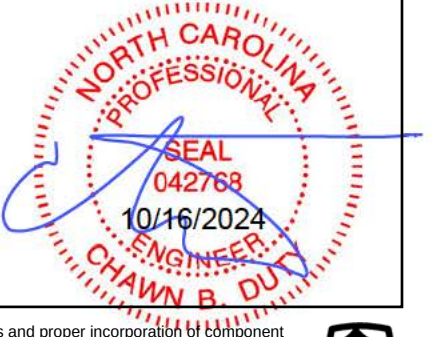
REACTIONS (lb/size) 11=803/0-5-8, (min. 0-1-8), 18=803/0-5-8, (min. 0-1-8)

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

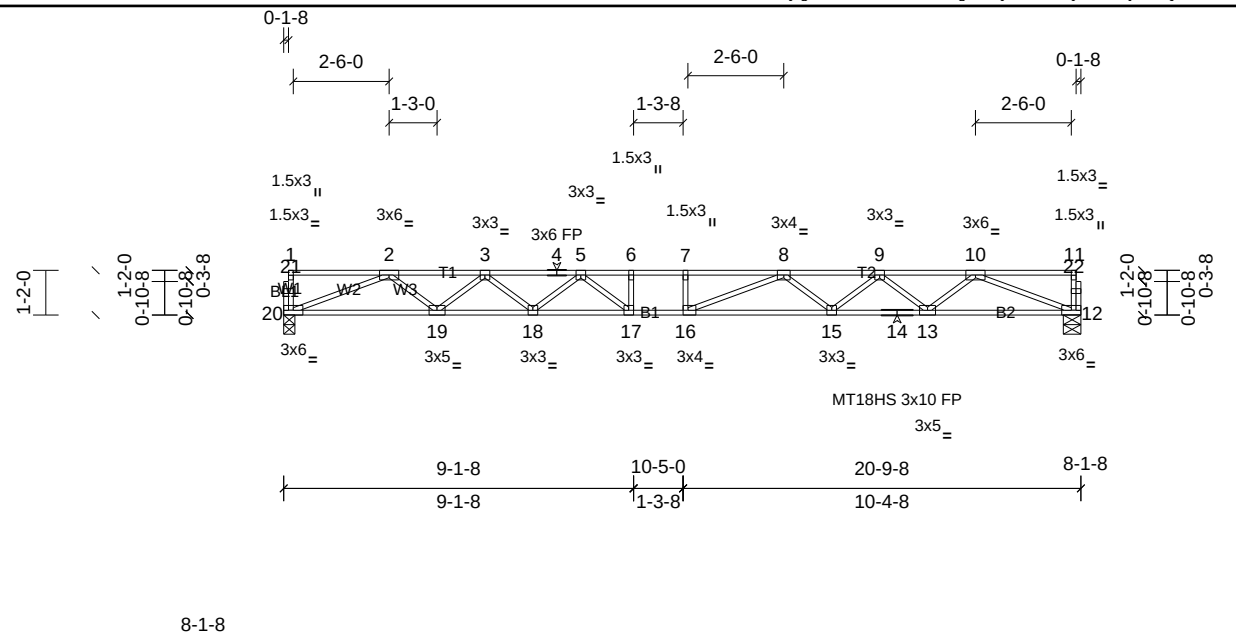
TOP CHORD	2-3=-2353/0, 3-4=-3519/0, 4-5=-3519/0, 5-6=-3519/0, 6-7=-3519/0, 7-8=-3199/0, 8-9=-2352/0
BOT CHORD	17-18=0/1779, 16-17=0/2892, 15-16=0/3519, 14-15=0/3470, 13-14=0/2894, 12-13=0/2894, 11-12=0/1778
WEBS	9-11=-1907/0, 2-18=-1908/0, 9-12=0/747, 2-17=0/747, 8-12=-706/0, 3-17=-701/0, 8-14=0/397, 3-16=0/848, 7-14=-353/0, 7-15=-227/407

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
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 - GRAYSON FRMH A 2ND FL OW
72432442	FT205	Truss	6	1	Job Reference (optional)



Scale = 1:60.3

8-1-8

Plate Offsets (X, Y): [16:0-1-8,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	0.86	Vert(LL)	-0.48	15-16	>518	360	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.66	15-16	>374	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.09	12	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 102 lb	FT = 20%F, 12%E

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

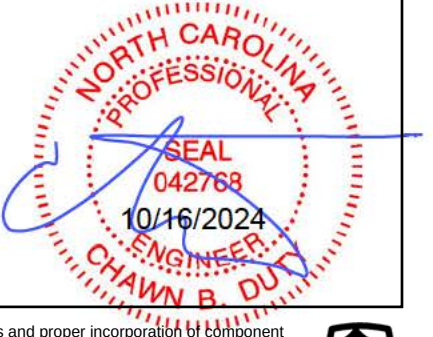
REACTIONS (lb/size) 12=899/0-5-8, (min. 0-1-8), 20=899/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2707/0, 3-4=-3766/0, 4-5=-3766/0, 5-6=-4423/0, 6-7=-4423/0, 7-8=-4423/0, 8-9=-3794/0, 9-10=-2701/0
BOT CHORD	19-20=0/2017, 18-19=0/3359, 17-18=0/4171, 16-17=0/4423, 15-16=0/4185, 14-15=0/3359, 13-14=0/3359, 12-13=0/2017
WEBS	10-12=-2164/0, 2-20=-2165/0, 10-13=0/891, 2-19=0/899, 9-13=-856/0, 3-19=-848/0, 9-15=0/566, 3-18=0/530, 8-15=-509/0, 5-18=-527/0, 8-16=-156/611, 5-17=-95/601

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
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 - GRAYSON FRMH A 2ND FL OW
72432442	FT206	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 16 07:51:45 — Page: 1

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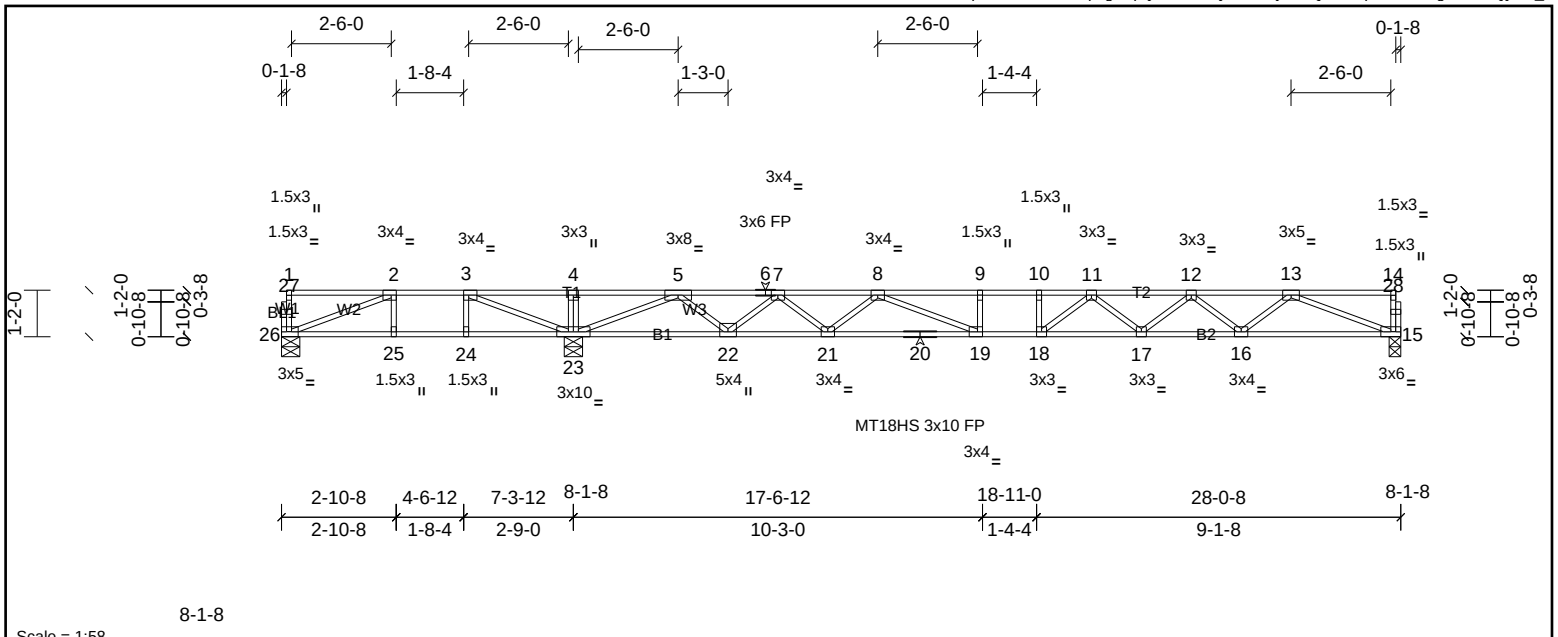


Scale = 1:58

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [19:0-1-8,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	0.91	Vert(LL)	-0.36	18-19	>696	360	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.48	18-19	>512	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.07	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 137 lb	FT = 20%F, 12%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 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: 25-26,24-25,23-24.

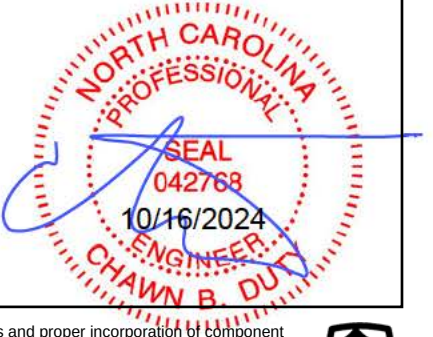
REACTIONS (lb/size) 15=815/0-3-8, (min. 0-1-8), 23=1556/0-5-8, (min. 0-1-8), 26=64/0-5-8, (min. 0-1-8)
Max Uplift 26=-156 (LC 4)
Max Grav 15=824 (LC 7), 23=1556 (LC 1), 26=238 (LC 3)

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

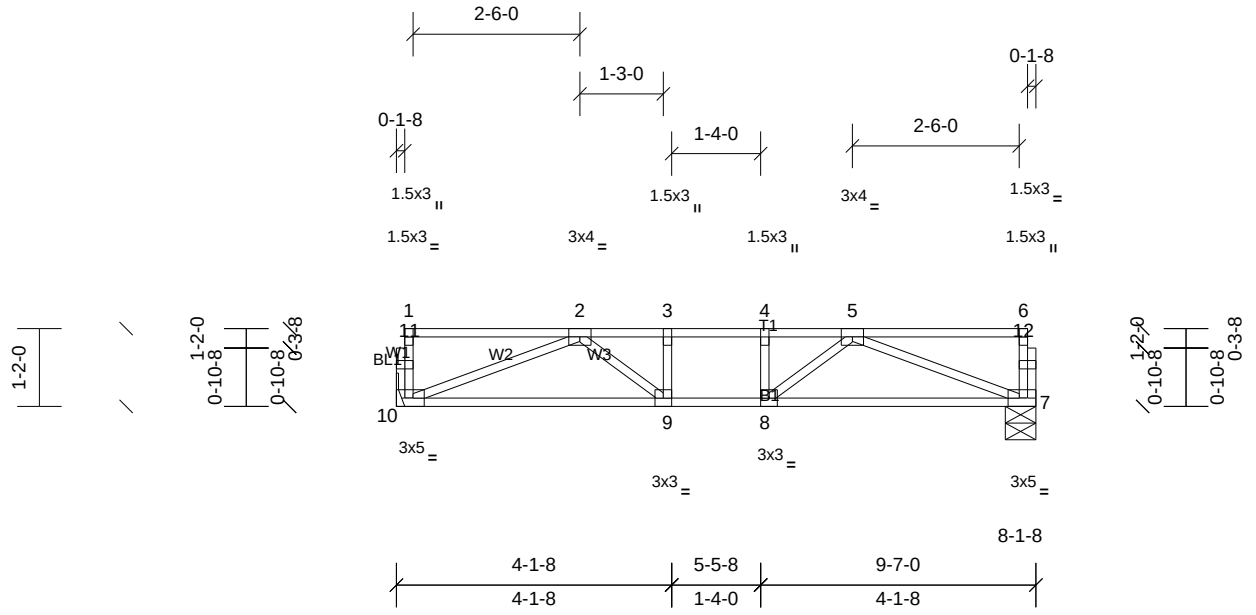
TOP CHORD	2-3=-298/679, 3-4=0/1806, 4-5=0/1806, 5-6=-1468/0, 6-7=-1468/0, 7-8=-2740/0, 8-9=-3721/0, 9-10=-3721/0, 10-11=-3721/0, 11-12=-3316/0, 12-13=-2427/0
BOT CHORD	25-26=-679/298, 24-25=-679/298, 23-24=-679/298, 22-23=0/681, 21-22=0/2219, 20-21=0/3232, 19-20=0/3232, 18-19=0/3721, 17-18=0/3619, 16-17=0/2992, 15-16=0/1827
WEBS	3-23=-1470/0, 2-26=-312/732, 5-23=-2397/0, 13-15=-1961/0, 5-22=0/1052, 13-16=0/780, 7-22=-1008/0, 12-16=-735/0, 7-21=0/700, 12-17=0/422, 8-21=-664/0, 11-17=-393/0, 8-19=0/788, 11-18=-219/439

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 1.5x3 MT20 unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 26.
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 - GRAYSON FRMH A 2ND FL OW
72432442	FT207	Truss	3	1	Job Reference (optional)



Scale = 1:34.7

Plate Offsets (X, Y): [7:0-2-0,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	0.30	Vert(LL)	-0.04	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.06	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 48 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.

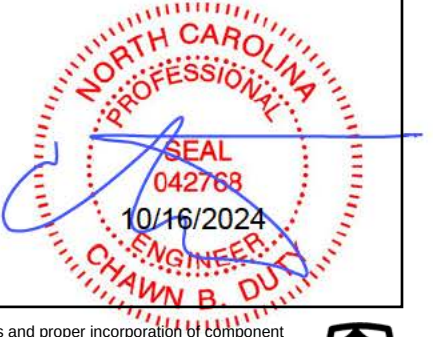
REACTIONS (lb/size) 7=406/0-5-8, (min. 0-1-8), 10=406/ Mechanical, (min. 0-1-8)

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

TOP CHORD	2-3=-907/0, 3-4=-907/0, 4-5=-907/0
BOT CHORD	9-10=0/776, 8-9=0/907, 7-8=0/776
WEBS	5-7=-830/0, 2-10=-830/0, 5-8=0/277, 2-9=0/277

NOTES

1) Unbalanced floor live loads have been considered for this design.
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 - GRAYSON FRMH A 2ND FL OW
72432442	FT208	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 16 07:51:45 — Page: 1

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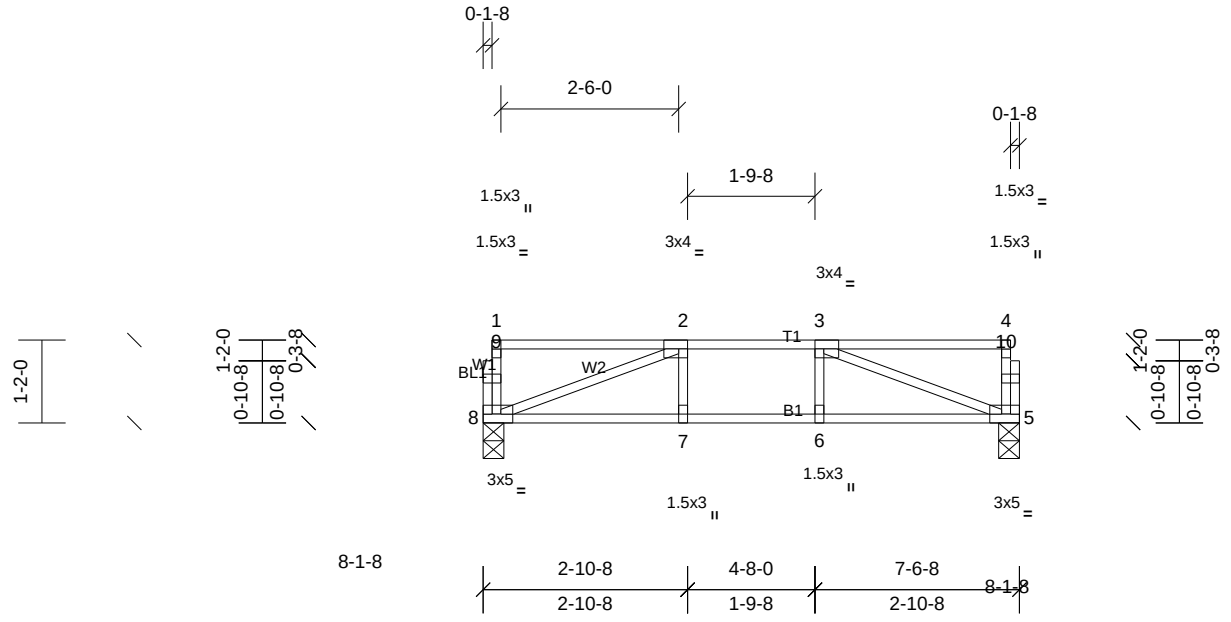


Scale = 1:32.5

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	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.04	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.05	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 38 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.

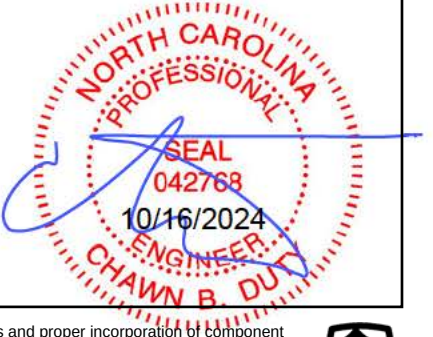
REACTIONS (lb/size) 5=316/0-3-8, (min. 0-1-8), 8=316/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-565/0
BOT CHORD	7-8=0/565, 6-7=0/565, 5-6=0/565
WEBS	2-8=-600/0, 3-5=-600/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
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 - GRAYSON FRMH A 2ND FL OW
72432442	FT209	Truss	7	1	Job Reference (optional)

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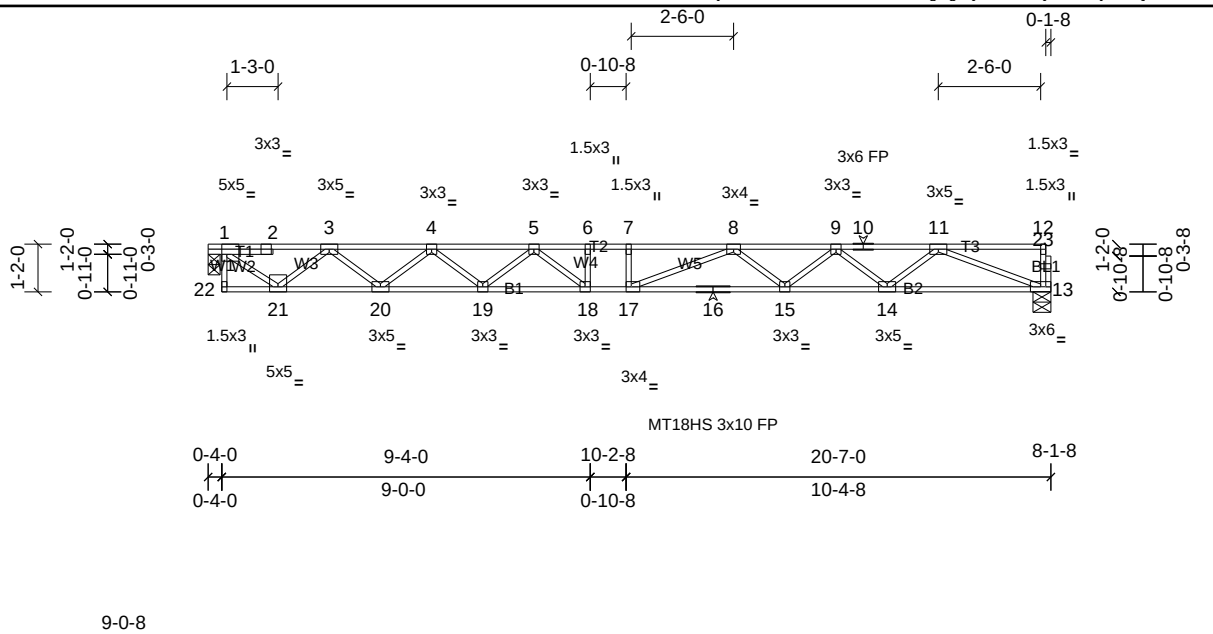


Scale = 1:56.5

Plate Offsets (X, Y): [1:0-1-8,Edge], [17:0-1-8,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	0.78	Vert(LL)	-0.42	15-17	>570	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.59	15-17	>410	240	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.01	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 102 lb	FT = 20%F, 12%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 4-3-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

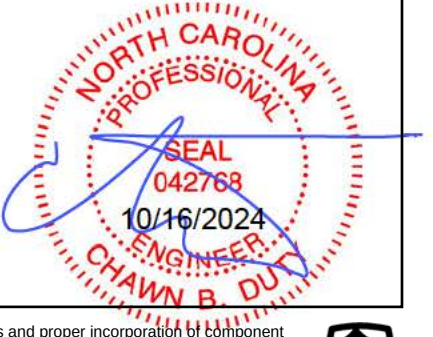
REACTIONS (lb/size) 1=883/0-3-8, (min. 0-1-8), 13=878/0-5-4, (min. 0-1-8)

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

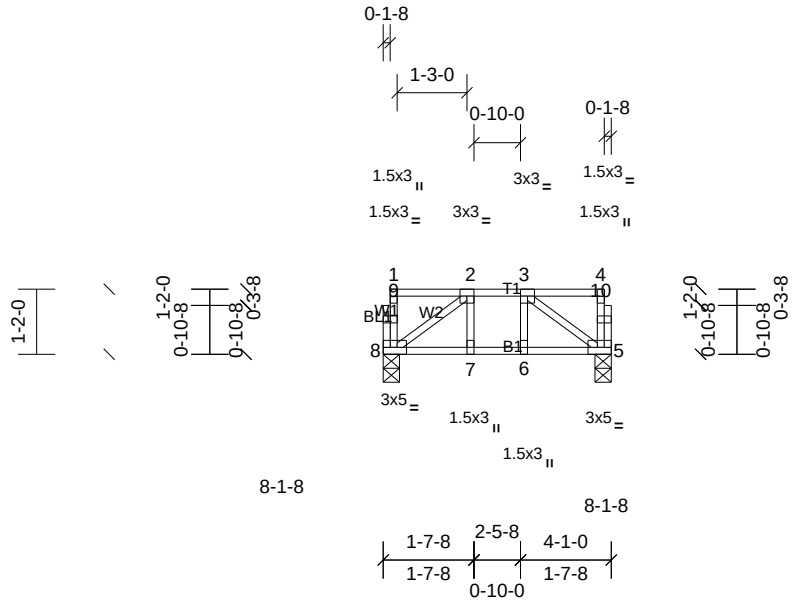
TOP CHORD	1-2=-1026/0, 2-3=-1023/0, 3-4=-2589/0, 4-5=-3622/0, 5-6=-4226/0, 6-7=-4226/0, 7-8=-4226/0, 8-9=-3663/0, 9-10=-2624/0, 10-11=-2624/0
BOT CHORD	20-21=0/1919, 19-20=0/3232, 18-19=0/4004, 17-18=0/4226, 16-17=0/4030, 15-16=0/4030, 14-15=0/3256, 13-14=0/1964
WEBS	11-13=-2107/0, 1-21=0/1276, 3-21=-1166/0, 11-14=0/859, 3-20=0/872, 9-14=-822/0, 4-20=-837/0, 9-15=0/531, 4-19=0/508, 8-15=-478/0, 5-19=-498/0, 8-17=-179/538, 5-18=-104/532

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.



Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A 2ND FL OW
72432442	FT210	Truss	2	1	Job Reference (optional)



Scale = 1:41.4

Plate Offsets (X, Y): [5:0-2-0,Edge], [8:0-2-0,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	0.09	Vert(LL)	0.00	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	0.00	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 24 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 4-1-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=164/0-3-8, (min. 0-1-8), 8=164/0-3-8, (min. 0-1-8)

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

NOTES

1) Unbalanced floor live loads have been considered for this design.
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 - GRAYSON FRMH A 2ND FL OW
72432442	FT211	Truss	4	1	Job Reference (optional)

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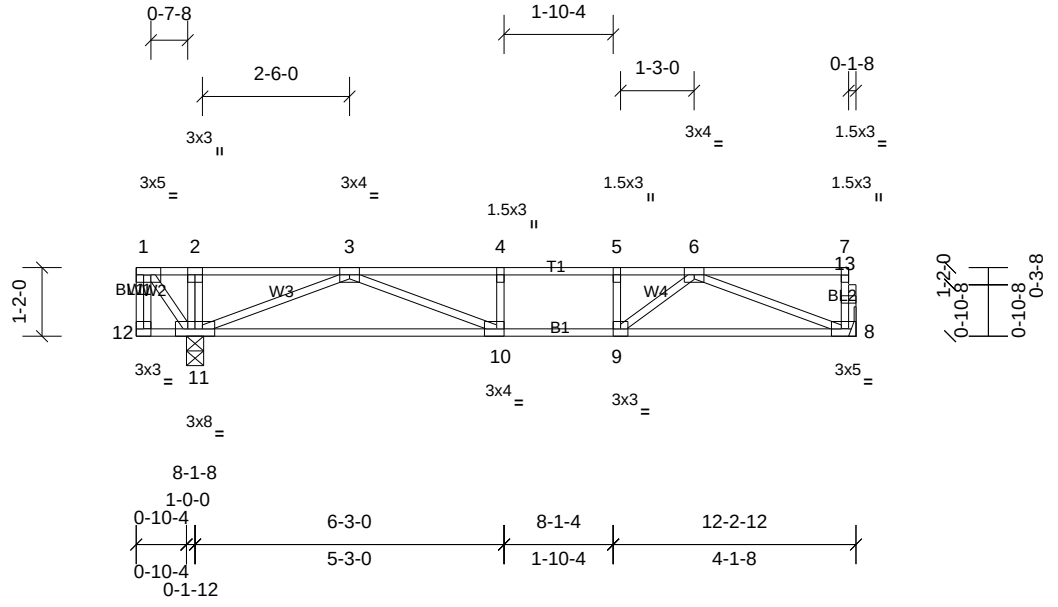

Scale = 1:39.3

Plate Offsets (X, Y): [1:0-2-0,Edge], [8:0-2-0,Edge], [10:0-1-8,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	0.50	Vert(LL)	-0.10	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.15	10-11	>908	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 63 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 (lb/size) 8=457/ Mechanical, (min. 0-1-8), 11=842/0-3-8, (min. 0-1-8)
Max Grav 8=459 (LC 4), 11=842 (LC 1)

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

TOP CHORD	3-4=-1158/0, 4-5=-1158/0, 5-6=-1158/0
BOT CHORD	10-11=0/776, 9-10=0/1158, 8-9=0/914
WEBS	1-11=-342/0, 3-11=-1031/0, 6-8=-978/0, 3-10=0/520, 6-9=0/416

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
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) CAUTION, Do not erect truss backwards.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 250 lb down at 0-1-8 on top chord. The design/ selection of such connection device(s) is the responsibility of others.
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: 8-12=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 1=-250 (F)

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A 2ND FL OW
72432442	FT212	Truss	4	1	Job Reference (optional)

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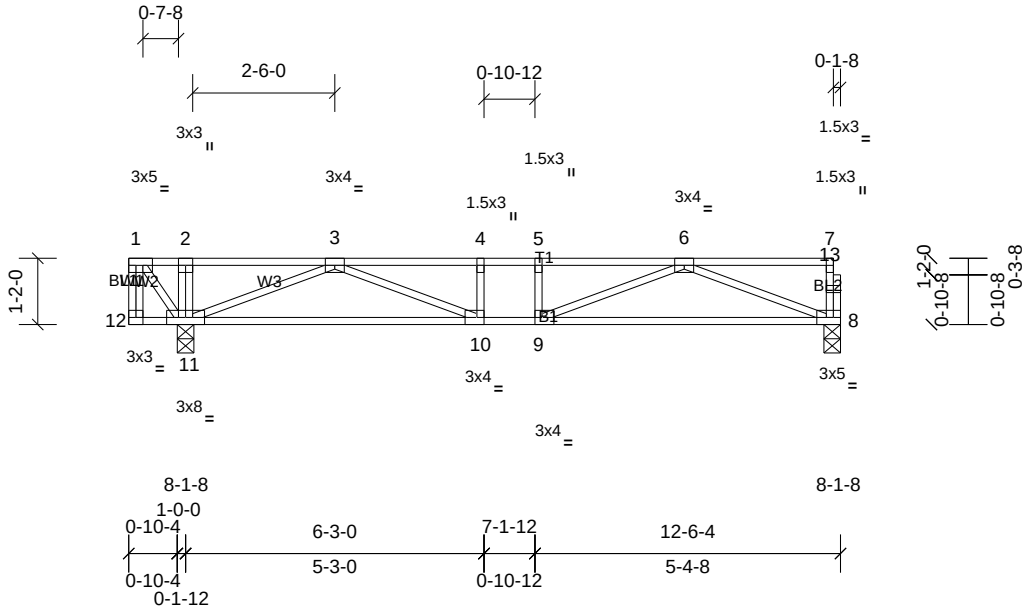

Scale = 1:40.7

Plate Offsets (X, Y): [1:0-2-0,Edge], [8:0-2-0,Edge], [9:0-1-8,Edge], [10:0-1-8,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	0.41	Vert(LL)	-0.08	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.14	8-9	>951	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 65 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 (lb/size) 8=470/0-3-8, (min. 0-1-8), 11=855/0-3-8, (min. 0-1-8)
Max Grav 8=473 (LC 4), 11=855 (LC 1)

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

TOP CHORD	3-4=-1264/0, 4-5=-1264/0, 5-6=-1264/0
BOT CHORD	10-11=0/805, 9-10=0/1264, 8-9=0/948
WEBS	1-11=-347/0, 3-11=-1069/0, 6-8=-1015/0, 3-10=0/559, 6-9=0/402

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
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) CAUTION, Do not erect truss backwards.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 250 lb down at 0-1-8 on top chord. The design/ selection of such connection device(s) is the responsibility of others.
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: 8-12=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 1=-250 (F)

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A 2ND FL OW
72432442	FT213	Truss	3	1	Job Reference (optional)

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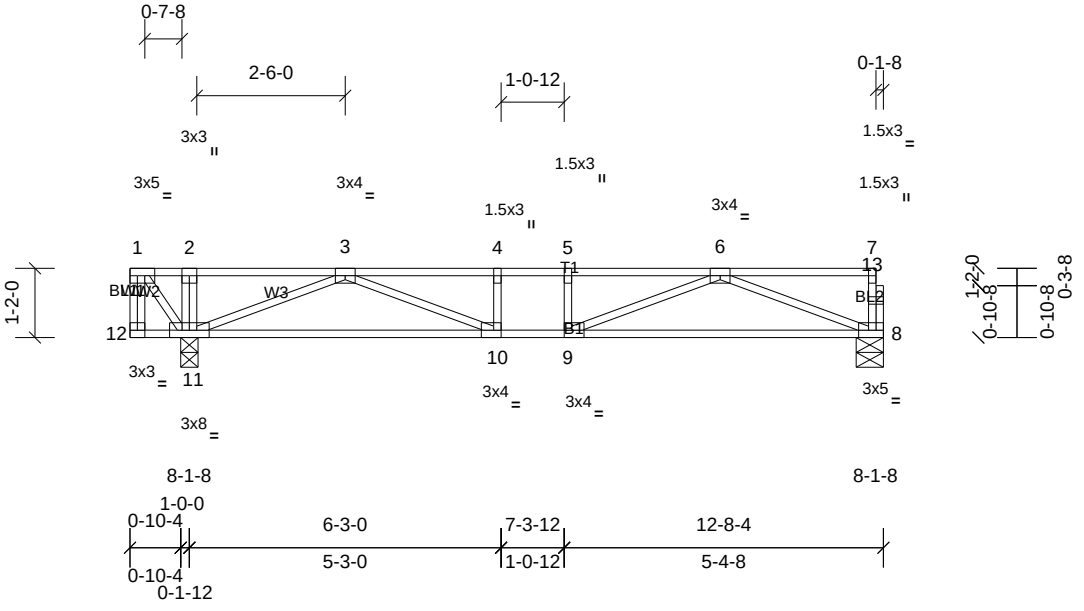


Scale = 1:39

Plate Offsets (X, Y): [1:0-2-0,Edge], [8:0-2-0,Edge], [9:0-1-8,Edge], [10:0-1-8,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	0.42	Vert(LL)	-0.09	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.16	8-9	>884	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 66 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 (lb/size) 8=478/0-5-8, (min. 0-1-8), 11=862/0-3-8, (min. 0-1-8)
Max Grav 8=480 (LC 4), 11=862 (LC 1)

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

TOP CHORD	3-4=-1299/0, 4-5=-1299/0, 5-6=-1299/0
BOT CHORD	10-11=0/822, 9-10=0/1299, 8-9=0/967
WEBS	1-11=-348/0, 3-11=-1087/0, 6-8=-1035/0, 3-10=0/583, 6-9=0/423

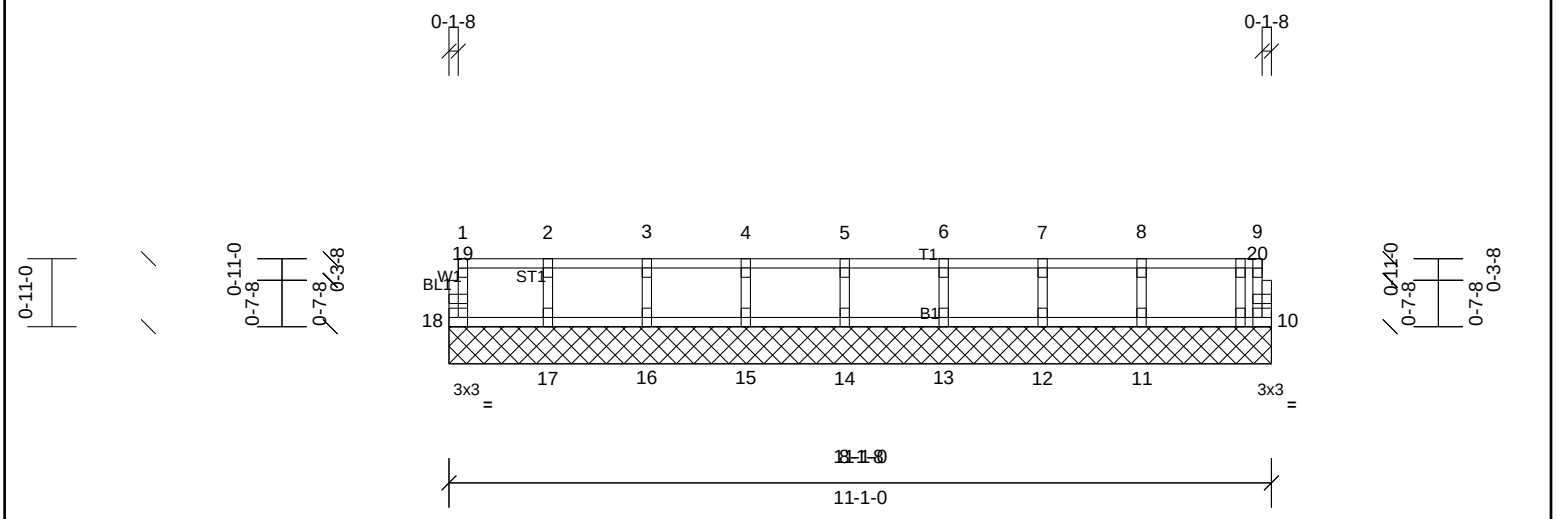
NOTES

1) Unbalanced floor live loads have been considered for this design.
2) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
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) CAUTION, Do not erect truss backwards.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 250 lb down at 0-1-8 on top chord. The design/ selection of such connection device(s) is the responsibility of others.
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: 8-12=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 1=-250 (F)

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A 2ND FL OW
72432442	FT214	Truss	1	1	Job Reference (optional)



Scale = 1:31.2

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	0.09	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	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 44 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 11-1-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15, 16, 17, 18

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

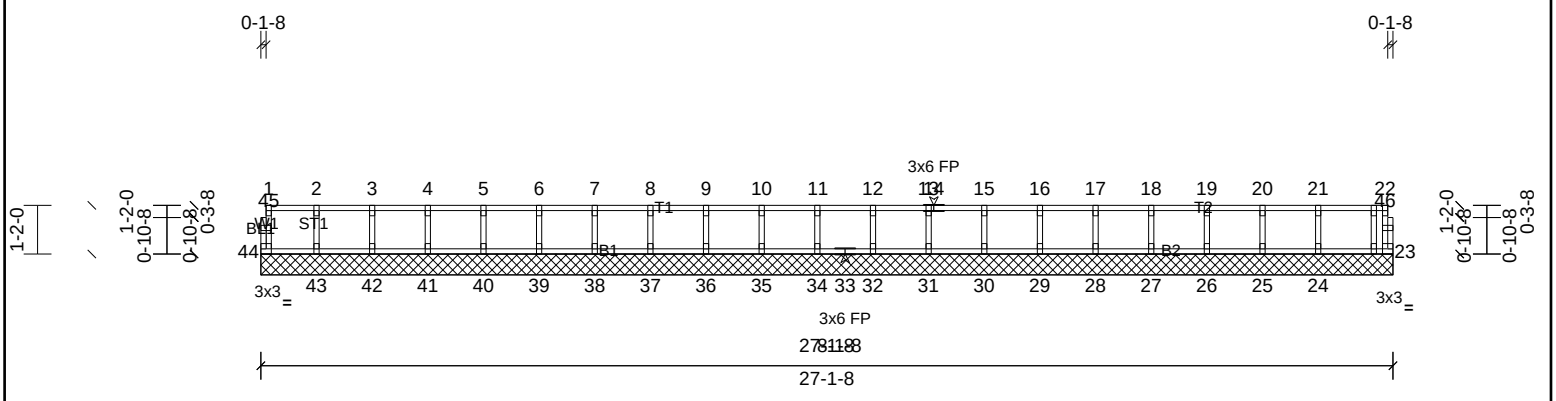
NOTES

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) 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 - GRAYSON FRMH A 2ND FL OW
72432442	KW200	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley — Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Oct 16 07:51:46 — Page: 1

ID:1698BnUVCmxvrPK0qFVeJKzgEew-Qe9jWyCUju2RydHil4xgatSCd1tZf9wqtz_YjsySw_h



Scale = 1:55.4

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	23	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 113 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 27-1-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44

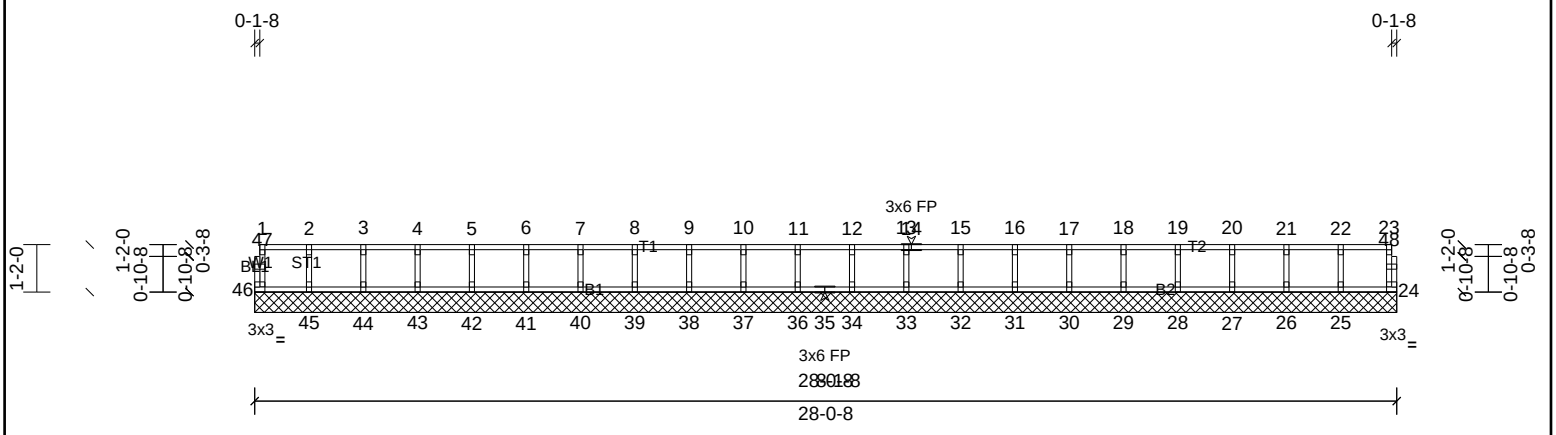
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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) 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.

NORTH CAROLINA PROFESSIONAL SEAL 042768 ENGINEER CHAWN B. DU 10/16/2024

Job	Truss	Truss Type	Qty	Ply	HH Hunt - GRAYSON FRMH A 2ND FL OW
72432442	KW201	Truss	1	1	Job Reference (optional)



Scale = 1:56.8

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)	0.00	24	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 115 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.

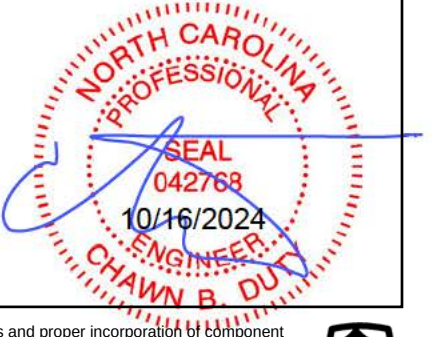
REACTIONS All bearings 28-0-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46

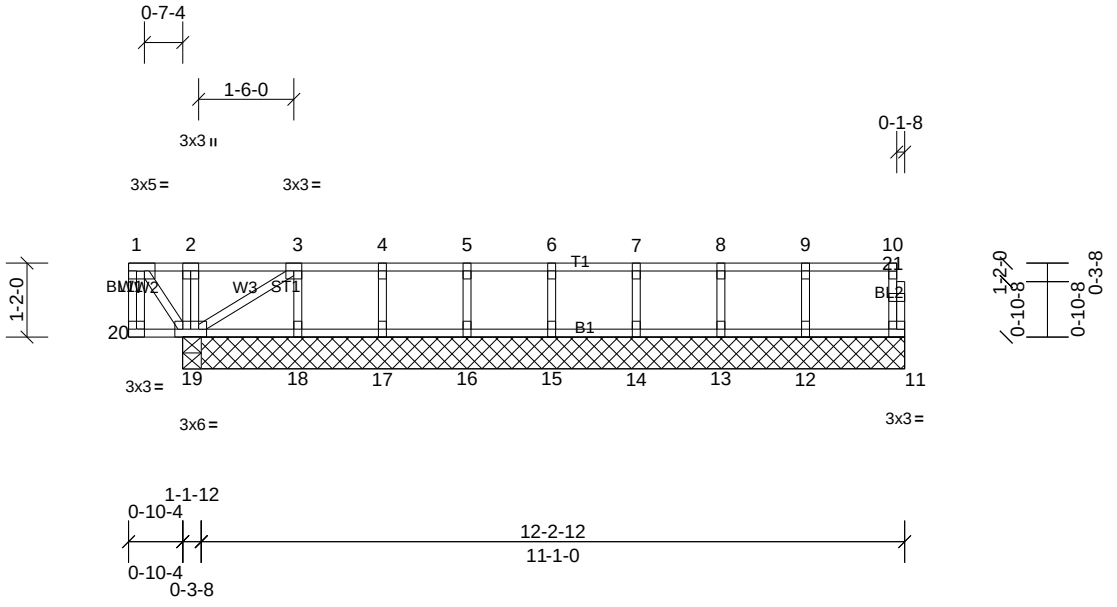
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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) 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 - GRAYSON FRMH A 2ND FL OW
72432442	KW202	Truss	1	1	Job Reference (optional)



Scale = 1:36.5

Plate Offsets (X, Y): [1:0-2-0,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	0.17	Vert(LL)	0.00	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	0.00	18-19	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 58 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 11-4-8.

(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 18=-116 (LC 3)

Max Grav All reactions 250 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 18 except 19=544 (LC 1)

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

WEBS 1-19=-355/0, 3-19=-272/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
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 115 lb uplift at joint 18.
6) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
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.
8) CAUTION, Do not erect truss backwards.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 250 lb down at 0-1-8 on top chord. The design/ selection of such connection device(s) is the responsibility of others.
10) 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: 11-20=-8, 1-10=-80
   Concentrated Loads (lb)
   Vert: 1=-250 (F)