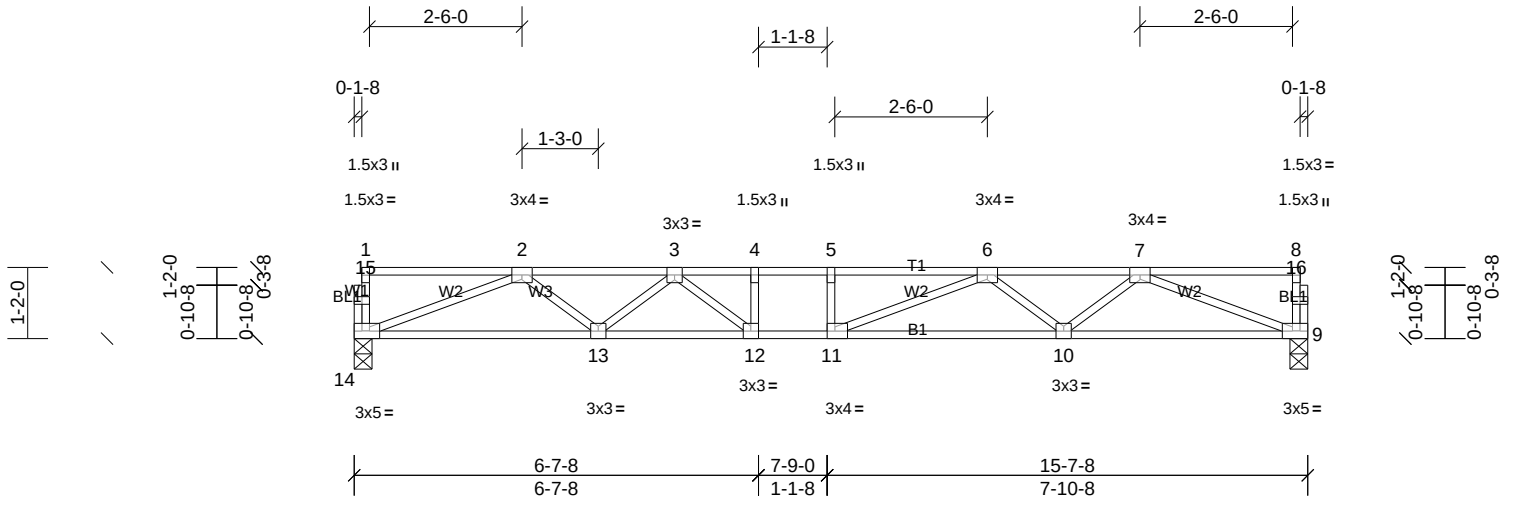
Job	Truss	Truss Type	Qty	Ply	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F201	Truss	8	1	Job Reference (optional)



Scale = 1:37.9

Plate Offsets (X, Y): [9:0-2-0,Edge], [11:0-1-8,Edge], [14:0-2-0,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)	-0.18	10-11	>998	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.26	10-11	>713	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 77 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=671/0-3-8, (min. 0-1-8), 14=671/0-3-8, (min. 0-1-8)

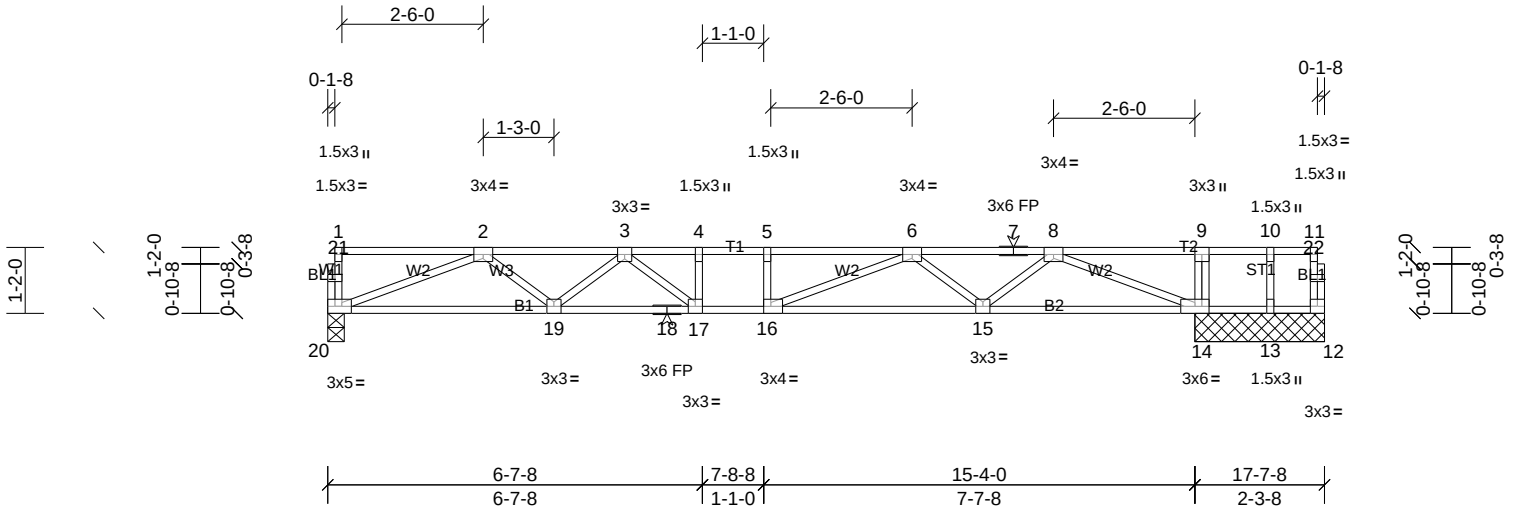
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1853/0, 3-4=-2475/0, 4-5=-2475/0, 5-6=-2475/0, 6-7=-1874/0
BOT CHORD	13-14=0/1449, 12-13=0/2235, 11-12=0/2475, 10-11=0/2249, 9-10=0/1450
WEBS	7-9=-1554/0, 2-14=-1554/0, 7-10=0/553, 2-13=0/526, 6-10=-488/0, 3-13=-497/0, 6-11=-36/451, 3-12=-3/475

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F202	Truss	1	1	Job Reference (optional)



Scale = 1:40.9

Plate Offsets (X, Y): [16:0-1-8,Edge], [20:0-2-0,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	0.42	Vert(LL)	-0.18	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.25	15-16	>733	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 87 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 2-3-8. except 20=0-3-8

(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 13

Max Grav All reactions 250 (lb) or less at joint(s) 12, 13 except 14=834 (LC 1), 20=663 (LC 1)

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

TOP CHORD 2-3=-1822/0, 3-4=-2418/0, 4-5=-2418/0, 5-6=-2418/0, 6-7=-1779/0, 7-8=-1779/0

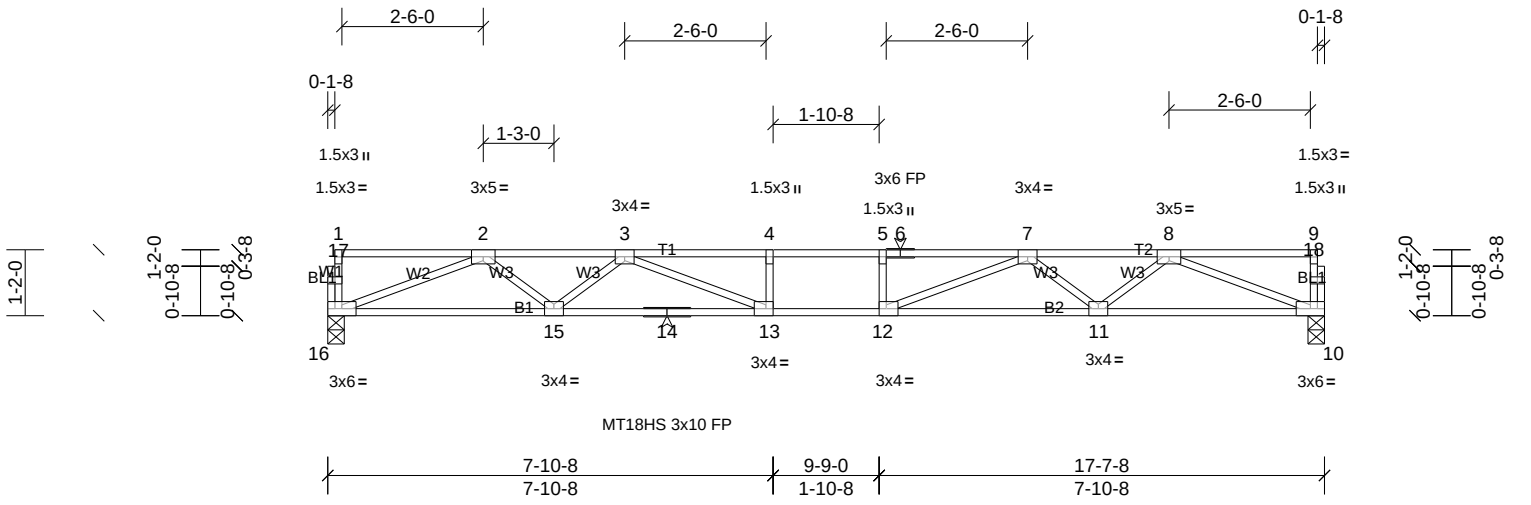
BOT CHORD 19-20=0/1428, 18-19=0/2193, 17-18=0/2193, 16-17=0/2418, 15-16=0/2175, 14-15=0/1351

WEBS 8-14=-1451/0, 2-20=-1531/0, 8-15=0/557, 2-19=0/514, 6-15=-515/0, 3-19=-482/0, 6-16=0/263, 3-17=0/287

NOTES

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 13.
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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F203	Truss	5	1	Job Reference (optional)



Scale = 1:40.9

Plate Offsets (X, Y): [12:0-1-8,Edge], [13:0-1-8,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	0.61	Vert(LL)	-0.27	13-15	>778	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.36	13-15	>572	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 85 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 2-2-0 oc bracing.

REACTIONS (lb/size) 10=759/0-3-8, (min. 0-1-8), 16=759/0-3-8, (min. 0-1-8)

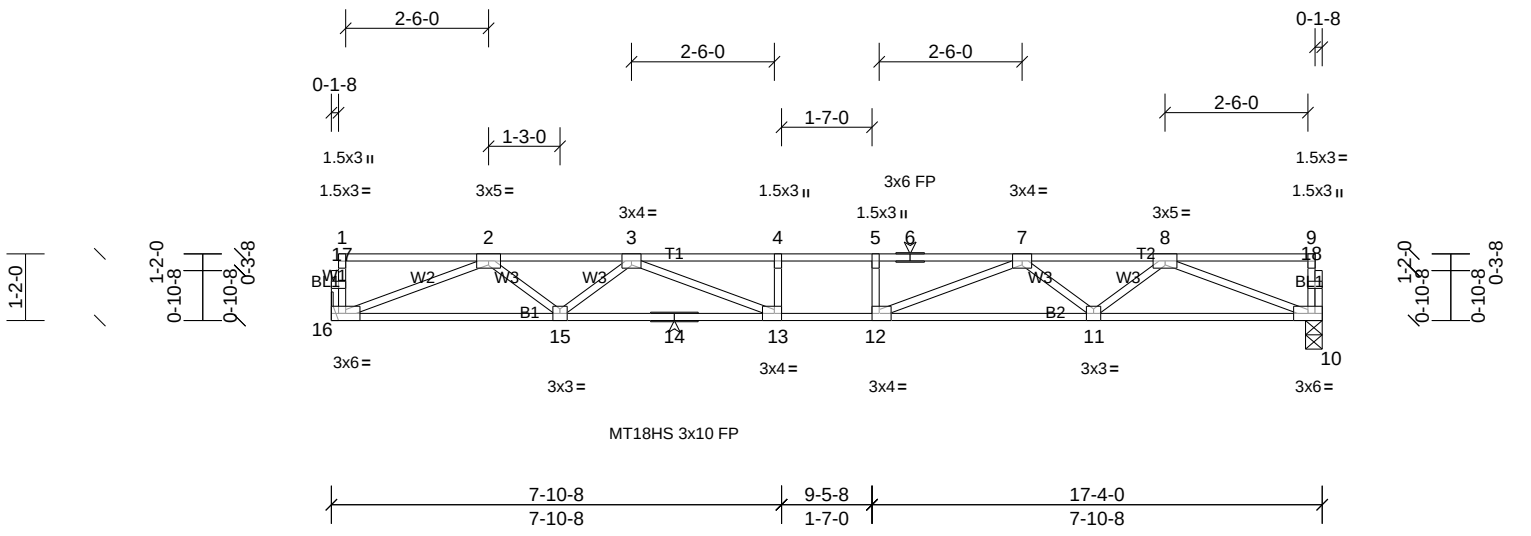
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2193/0, 3-4=-3165/0, 4-5=-3165/0, 5-6=-3165/0, 6-7=-3165/0, 7-8=-2193/0
BOT CHORD	15-16=0/1668, 14-15=0/2676, 13-14=0/2676, 12-13=0/3165, 11-12=0/2676, 10-11=0/1668
WEBS	8-10=-1790/0, 2-16=-1790/0, 8-11=0/683, 2-15=0/683, 7-11=-629/0, 3-15=-629/0, 7-12=0/749, 3-13=0/749

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F204	Truss	5	1	Job Reference (optional)



Scale = 1:40.5

Plate Offsets (X, Y): [12:0-1-8,Edge], [13:0-1-8,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	0.58	Vert(LL)	-0.24	12-13	>839	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.33	12-13	>613	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 84 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) 10=746/0-3-8, (min. 0-1-8), 16=746/ Mechanical, (min. 0-1-8)

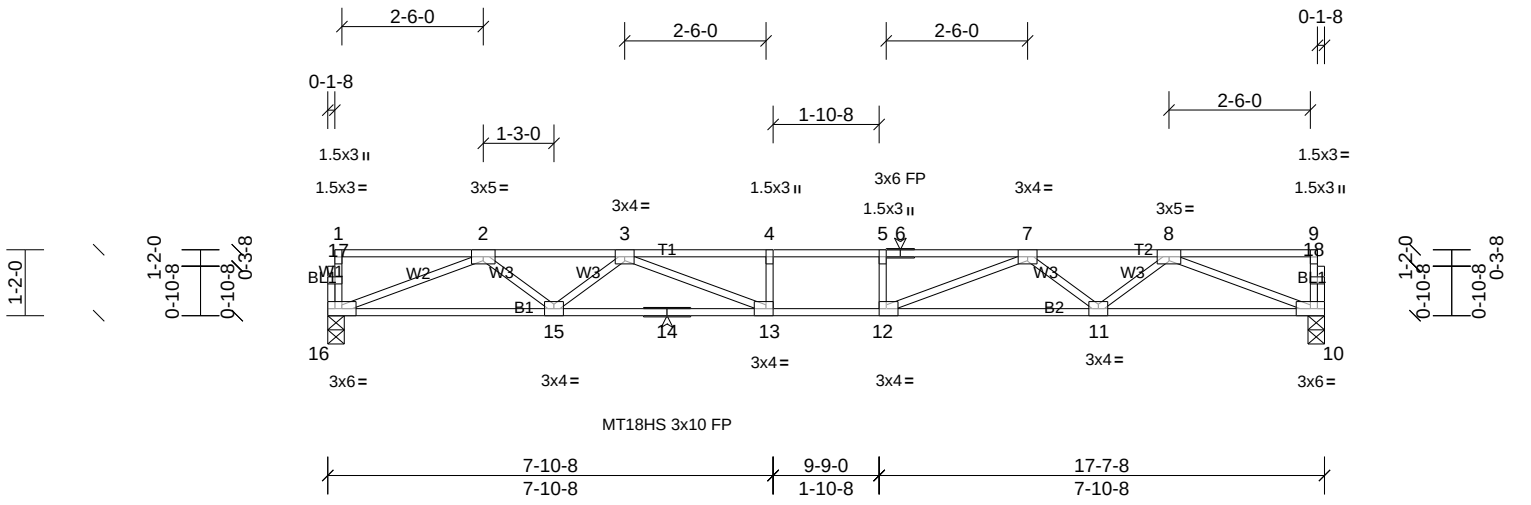
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2146/0, 3-4=-3067/0, 4-5=-3067/0, 5-6=-3067/0, 6-7=-3067/0, 7-8=-2146/0
BOT CHORD	15-16=0/1636, 14-15=0/2614, 13-14=0/2614, 12-13=0/3067, 11-12=0/2614, 10-11=0/1636
WEBS	8-10=-1755/0, 2-16=-1755/0, 8-11=0/664, 2-15=0/664, 7-11=-610/0, 3-15=-610/0, 7-12=0/699, 3-13=0/699

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F205	Truss	6	1	Job Reference (optional)



Scale = 1:40.9

Plate Offsets (X, Y): [12:0-1-8,Edge], [13:0-1-8,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	0.61	Vert(LL)	-0.27	11-12	>778	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.36	11-12	>572	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 85 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 2-2-0 oc bracing.

REACTIONS (lb/size) 10=759/0-3-8, (min. 0-1-8), 16=759/0-3-8, (min. 0-1-8)

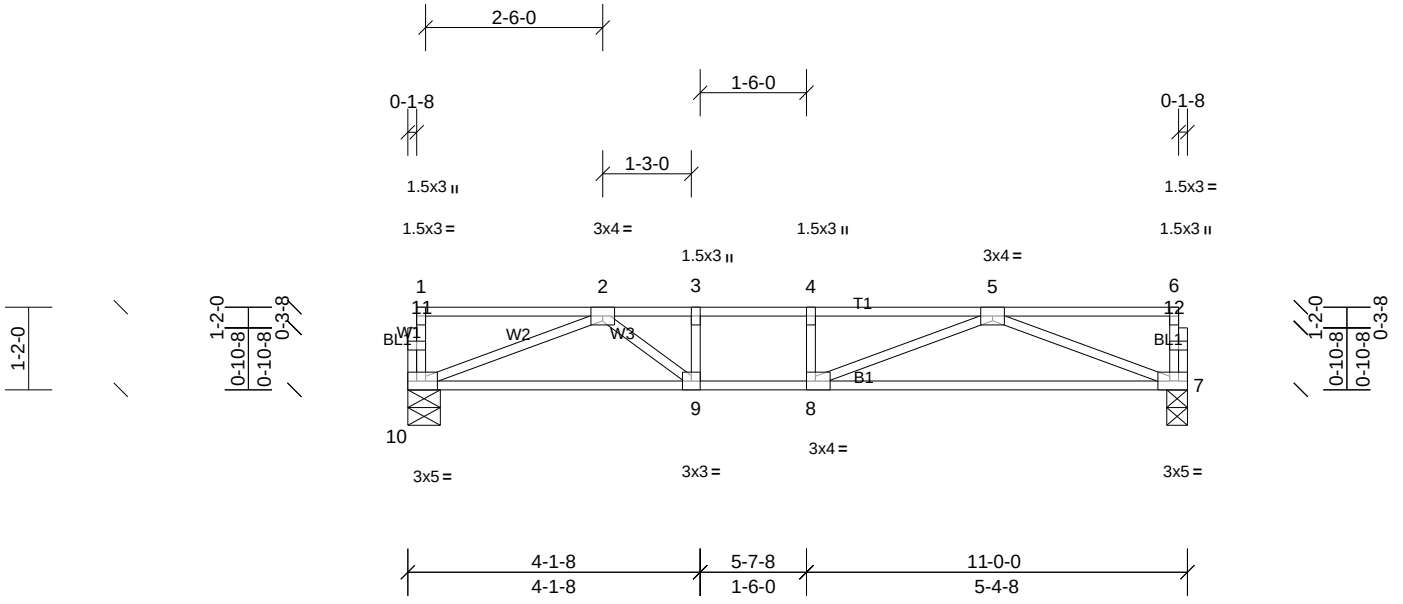
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2193/0, 3-4=-3165/0, 4-5=-3165/0, 5-6=-3165/0, 6-7=-3165/0, 7-8=-2193/0
BOT CHORD	15-16=0/1668, 14-15=0/2676, 13-14=0/2676, 12-13=0/3165, 11-12=0/2676, 10-11=0/1668
WEBS	8-10=-1790/0, 2-16=-1790/0, 8-11=0/683, 2-15=0/683, 7-11=-629/0, 3-15=-629/0, 7-12=0/749, 3-13=0/749

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F206	Truss	13	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	0.49	Vert(LL)	-0.11	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.18	7-8	>705	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=468/0-3-8, (min. 0-1-8), 10=468/0-5-8, (min. 0-1-8)

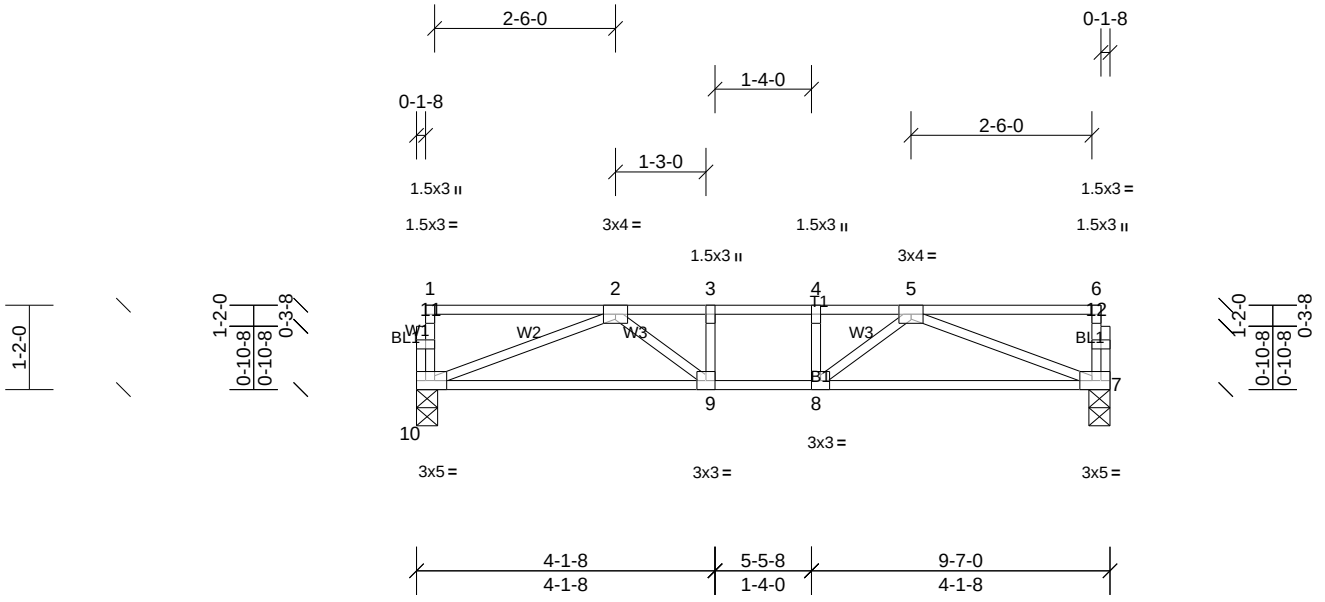
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1205/0, 3-4=-1205/0, 4-5=-1205/0
BOT CHORD	9-10=0/937, 8-9=0/1205, 7-8=0/933
WEBS	5-7=-999/0, 2-10=-1003/0, 5-8=0/388, 2-9=0/442

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F207	Truss	4	1	Job Reference (optional)



Scale = 1:32

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	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.06	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 48 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=405/0-3-8, (min. 0-1-8), 10=405/0-3-8, (min. 0-1-8)

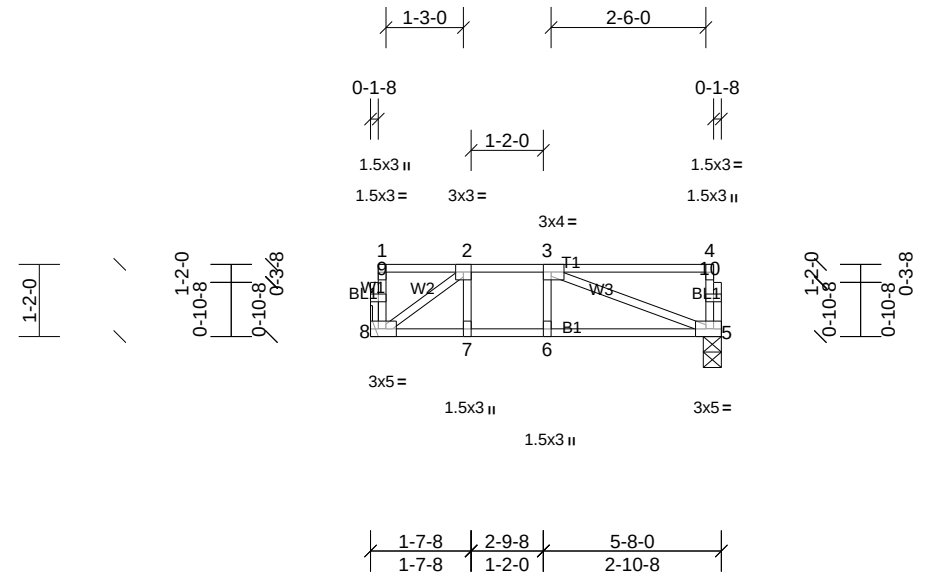
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-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=-829/0, 2-10=-829/0, 5-8=0/277, 2-9=0/277

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F208	Truss	2	1	Job Reference (optional)



Scale = 1:37.4

Plate Offsets (X, Y): [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	0.39	Vert(LL)	-0.03	5-6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.32	Vert(CT)	-0.04	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 30 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 5-8-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=233/0-3-8, (min. 0-1-8), 8=233/ Mechanical, (min. 0-1-8)

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

TOP CHORD	2-3=-311/0
BOT CHORD	7-8=0/311, 6-7=0/311, 5-6=0/311
WEBS	3-5=-327/0, 2-8=-382/0

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F209	Truss	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Kevin Ouzts — Run: 8.51 S Oct 22 2021 Print: 8.510 S Oct 22 2021 MiTek Industries, Inc. Thu Jul 14 08:27:43 — Page: 1

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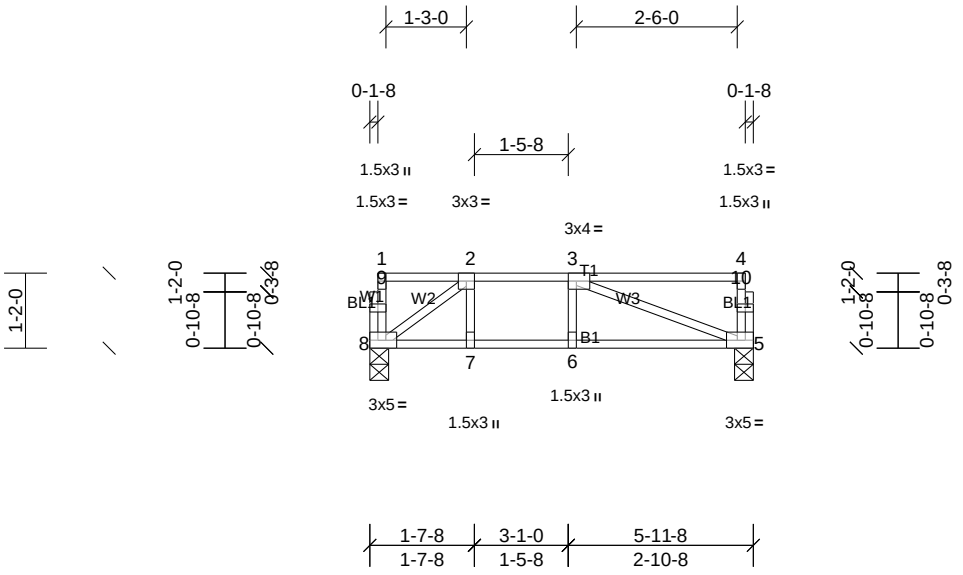

Scale = 1:36

Plate Offsets (X, Y): [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	0.40	Vert(LL)	-0.04	5-6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.05	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 31 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 5-11-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=246/0-3-8, (min. 0-1-8), 8=246/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-338/0
BOT CHORD	7-8=0/338, 6-7=0/338, 5-6=0/338
WEBS	3-5=-356/0, 2-8=-415/0

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F210	Truss	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Kevin Ouzts — Run: 8.51 S Oct 22 2021 Print: 8.510 S Oct 22 2021 MiTek Industries, Inc. Thu Jul 14 08:27:43 — Page: 1

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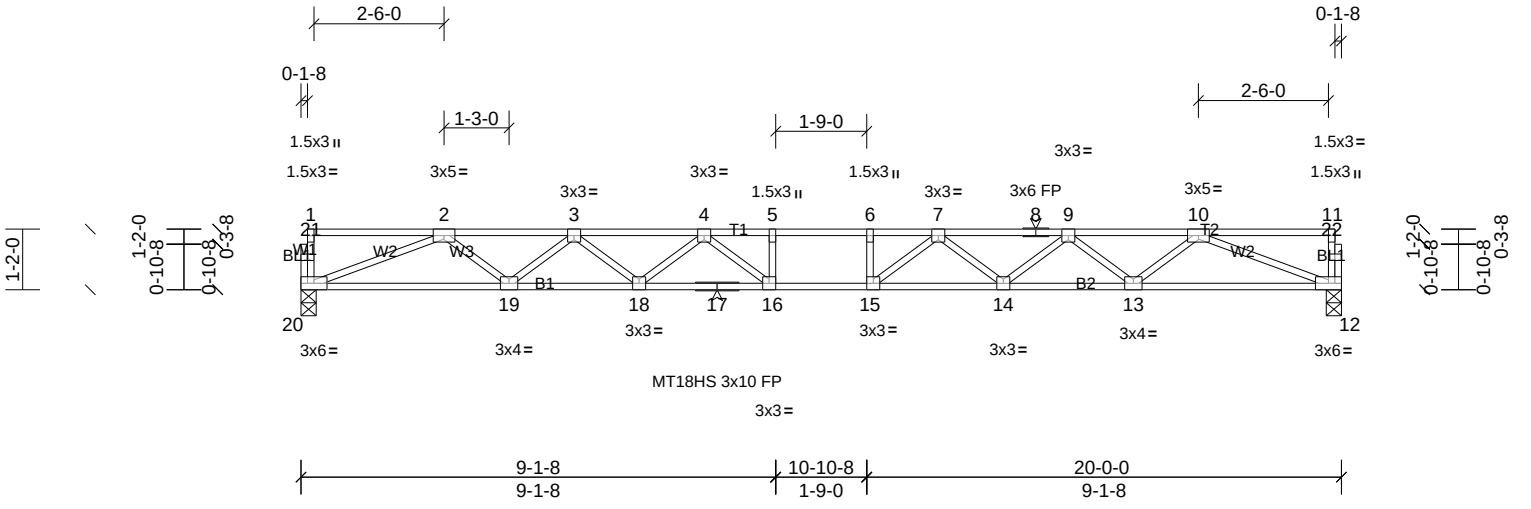


Scale = 1:44.5

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	0.58	Vert(LL)	-0.39	15-16	>607	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.54	15-16	>442	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 98 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 5-7-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=863/0-3-8, (min. 0-1-8), 20=863/0-3-8, (min. 0-1-8)

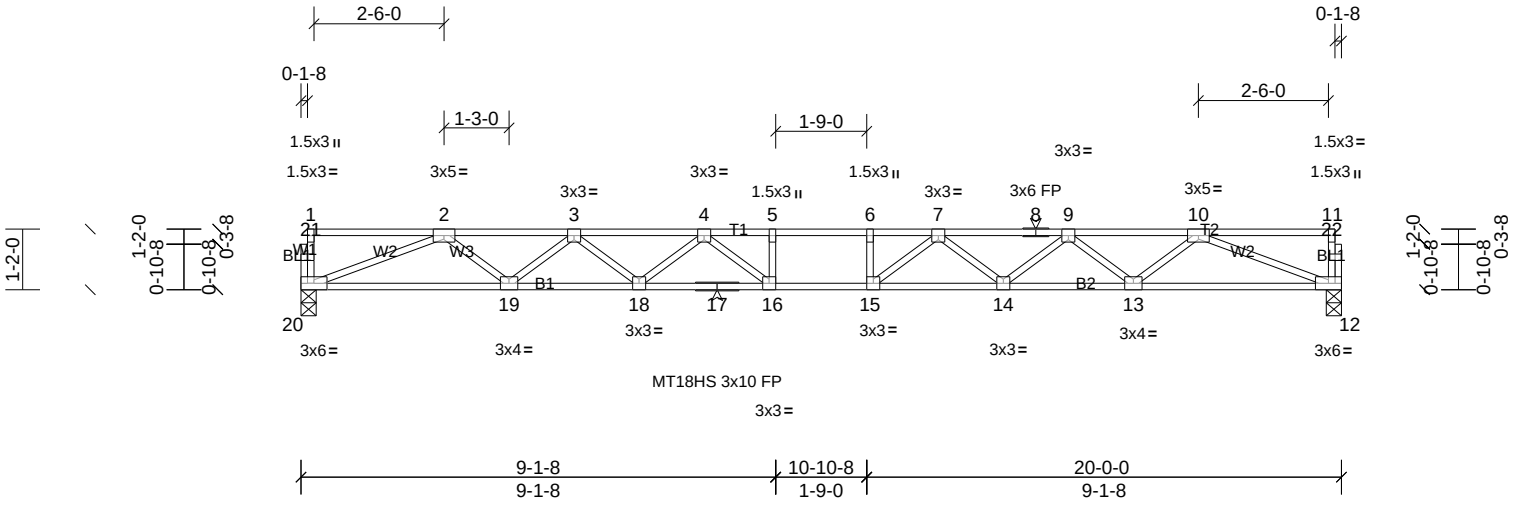
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2575/0, 3-4=-3559/0, 4-5=-4077/0, 5-6=-4077/0, 6-7=-4077/0, 7-8=-3559/0, 8-9=-3559/0, 9-10=-2575/0
BOT CHORD	19-20=0/1928, 18-19=0/3188, 17-18=0/3909, 16-17=0/3909, 15-16=0/4077, 14-15=0/3909, 13-14=0/3188, 12-13=0/1928
WEBS	10-12=-2069/0, 2-20=-2069/0, 10-13=0/842, 2-19=0/842, 9-13=-798/0, 3-19=-798/0, 9-14=0/483, 3-18=0/483, 7-14=-456/0, 4-18=-456/0, 7-15=-132/527, 4-16=-132/527

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F211	Truss	10	1	Job Reference (optional)



Scale = 1:44.5

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	0.58	Vert(LL)	-0.39	15-16	>607	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.54	15-16	>442	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 98 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 5-7-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=863/0-3-8, (min. 0-1-8), 20=863/0-3-8, (min. 0-1-8)

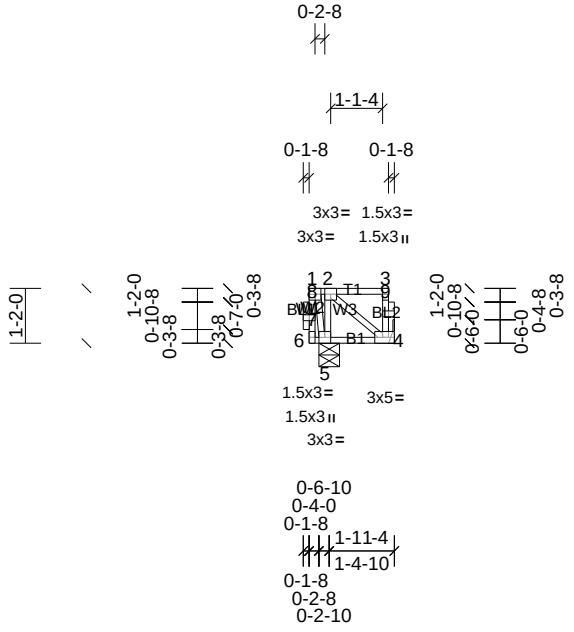
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2575/0, 3-4=-3559/0, 4-5=-4077/0, 5-6=-4077/0, 6-7=-4077/0, 7-8=-3559/0, 8-9=-3559/0, 9-10=-2575/0
BOT CHORD	19-20=0/1928, 18-19=0/3188, 17-18=0/3909, 16-17=0/3909, 15-16=0/4077, 14-15=0/3909, 13-14=0/3188, 12-13=0/1928
WEBS	10-12=-2069/0, 2-20=-2069/0, 10-13=0/842, 2-19=0/842, 9-13=-798/0, 3-19=-798/0, 9-14=0/483, 3-18=0/483, 7-14=-456/0, 4-18=-456/0, 7-15=-132/527, 4-16=-132/527

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F212	Truss	8	1	Job Reference (optional)



Scale = 1:49.2

Plate Offsets (X, Y): [4:0-2-0,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	4-5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 15 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 1-11-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 4=8/ Mechanical, (min. 0-1-8), 5=350/0-5-4, (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) 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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 4-6=-8, 1-3=-80
   Concentrated Loads (lb)
   Vert: 1=-220

Job	Truss	Truss Type	Qty	Ply	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	F213	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Kevin Ouzts — Run: 8.51 S Oct 22 2021 Print: 8.510 S Oct 22 2021 MiTek Industries, Inc. Thu Jul 14 08:27:43 — Page: 1

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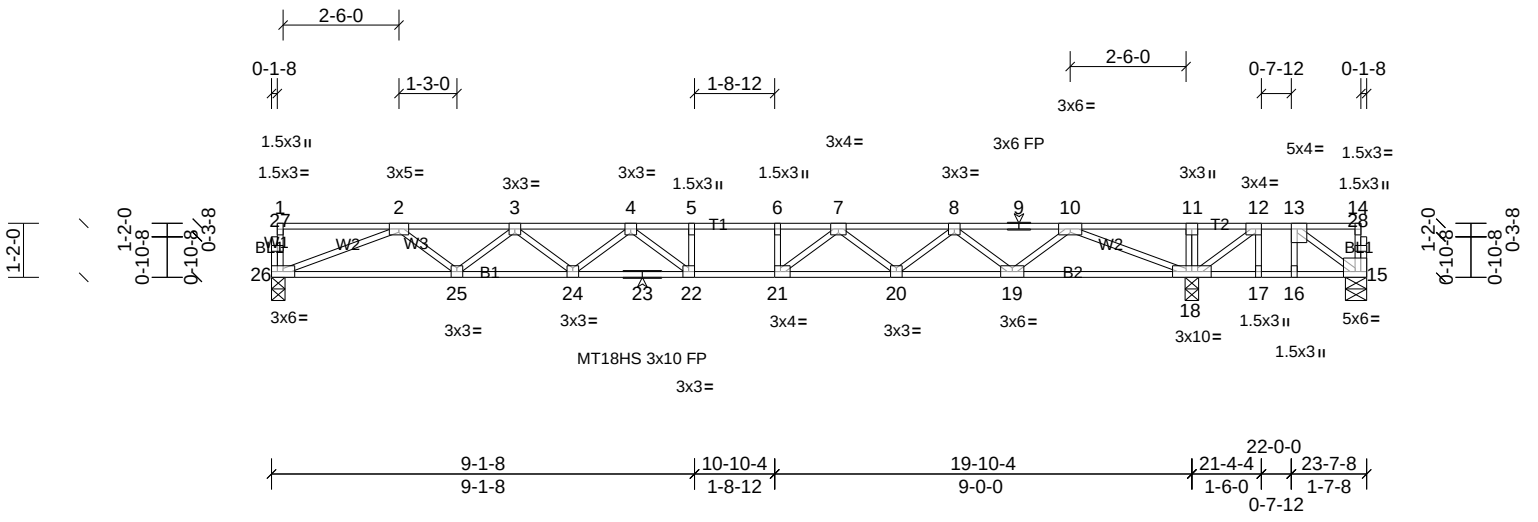


Scale = 1:49.9

Plate Offsets (X, Y): [12:0-1-8,Edge], [13:0-1-8,Edge], [15:Edge,0-1-8], [21:0-1-8,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	0.91	Vert(LL)	-0.30	22-24	>798	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.41	22-24	>580	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.05	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 119 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 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 15=-451/0-5-8, (min. 0-1-8), 18=1750/0-3-8, (min. 0-1-8), 26=747/0-3-8, (min. 0-1-8)
Max Uplift 15=-562 (LC 3)
Max Grav 15=-12 (LC 4), 18=1750 (LC 1), 26=749 (LC 10)

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

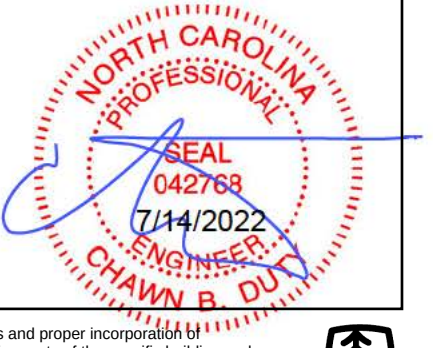
TOP CHORD 2-3=-2148/0, 3-4=-2875/0, 4-5=-2997/0, 5-6=-2997/0, 6-7=-2997/0, 7-8=-2088/0, 8-9=-849/0, 9-10=-849/0, 10-11=0/2136, 11-12=0/2133, 12-13=0/1019

BOT CHORD 25-26=0/1640, 24-25=0/2628, 23-24=0/3070, 22-23=0/3070, 21-22=0/2997, 20-21=0/2590, 19-20=0/1596, 17-18=-1019/0, 16-17=-1019/0, 15-16=-1019/0

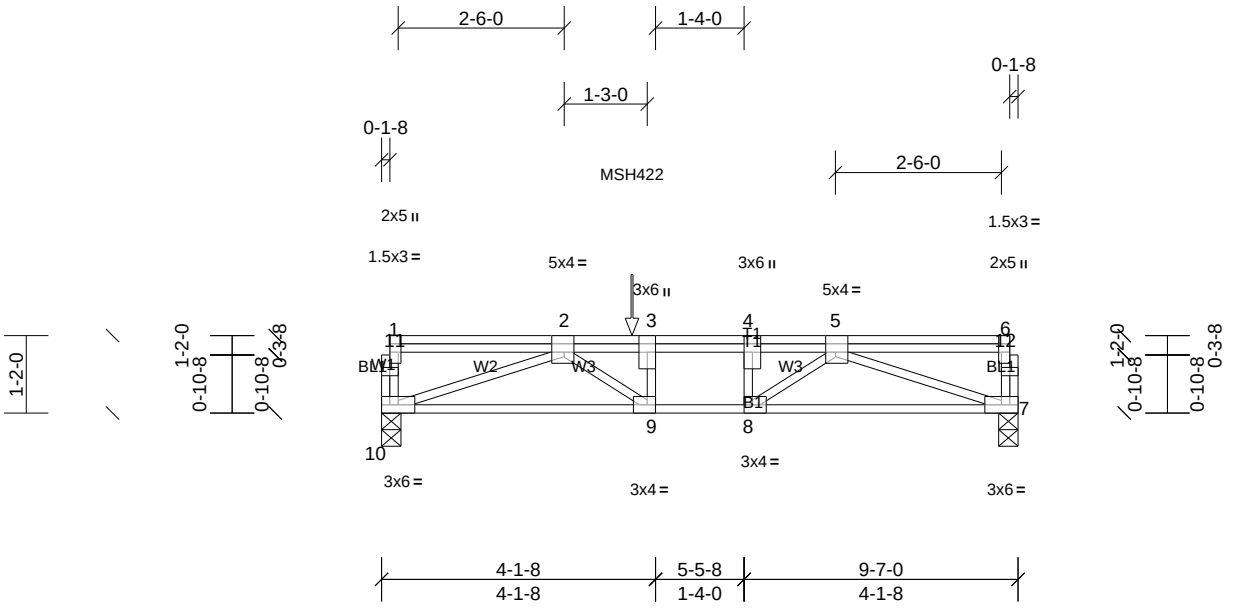
WEBS 10-18=-2320/0, 2-26=-1759/0, 10-19=0/1030, 2-25=0/661, 8-19=-978/0, 3-25=-625/0, 8-20=0/645, 3-24=0/322, 7-20=-658/0, 4-24=-268/0, 7-21=0/706, 4-22=-315/278, 6-21=-306/0, 12-18=-1461/0, 13-15=0/1265, 12-17=0/403, 13-16=-387/0

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 562 lb uplift at joint 15.
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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	FG1	Truss	1	1	Job Reference (optional)



Scale = 1:34.8

Plate Offsets (X, Y): [2:0-1-12,Edge], [4:0-3-0,Edge], [5:0-1-12,Edge], [6:0-3-0,Edge], [8:0-1-8,Edge], [9:0-1-8,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	0.30	Vert(LL)	-0.05	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.08	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.02	7	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) 7=520/0-3-8, (min. 0-1-8), 10=563/0-3-8, (min. 0-1-8)

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

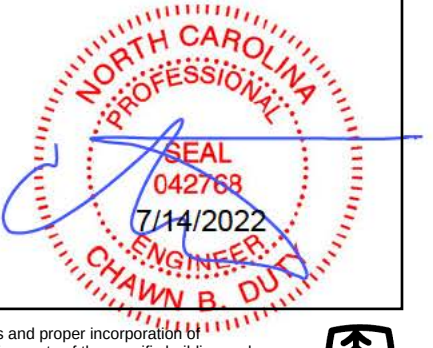
TOP CHORD	2-3=-1499/0, 3-4=-1499/0, 4-5=-1499/0
BOT CHORD	9-10=0/1221, 8-9=0/1499, 7-8=0/1097
WEBS	5-7=-1164/0, 2-10=-1297/0, 5-8=0/668, 2-9=0/484, 3-9=-274/0, 4-8=-357/0

NOTES

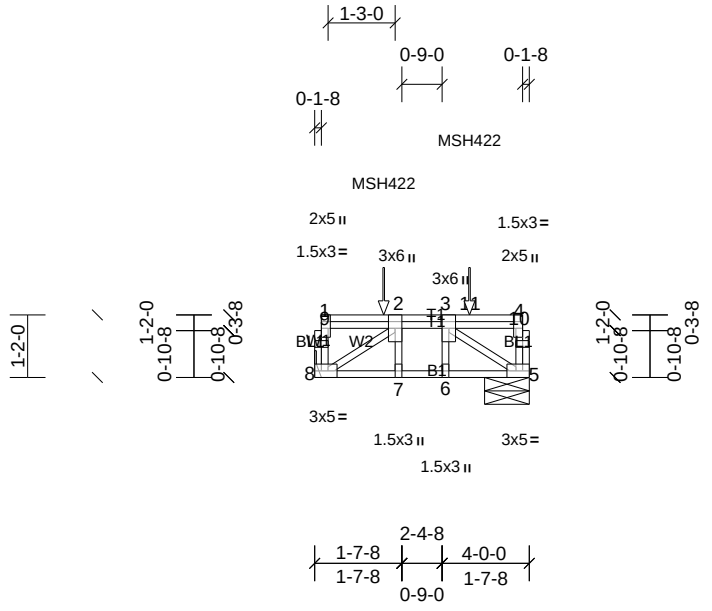
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 3-9-4 from the left end to connect truss(es) to front face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-8, 1-6=-80
   Concentrated Loads (lb)
   Vert: 3=-272 (F)



Job	Truss	Truss Type	Qty	Ply	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	FG2	Truss	1	1	Job Reference (optional)



Scale = 1:43.1

Plate Offsets (X, Y): [4:0-3-0,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	0.15	Vert(LL)	0.00	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.01	6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 28 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 4-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=349/0-10-0, (min. 0-1-8), 8=309/ Mechanical, (min. 0-1-8)
Max Grav 5=389 (LC 4), 8=336 (LC 3)

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

TOP CHORD	2-3=-396/0
BOT CHORD	7-8=0/396, 6-7=0/396, 5-6=0/396
WEBS	3-5=-474/0, 2-8=-479/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 1-7-3 oc max. starting at 1-3-7 from the left end to 2-10-10 to connect truss(es) to back face of top chord.
5) Fill all nail holes where hanger is in contact with lumber.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 5-8=-8, 1-4=-80
Concentrated Loads (lb)
Vert: 2=-169 (B), 11=-169 (B)

Job	Truss	Truss Type	Qty	Ply	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	FG3	Truss	1	1	Job Reference (optional)

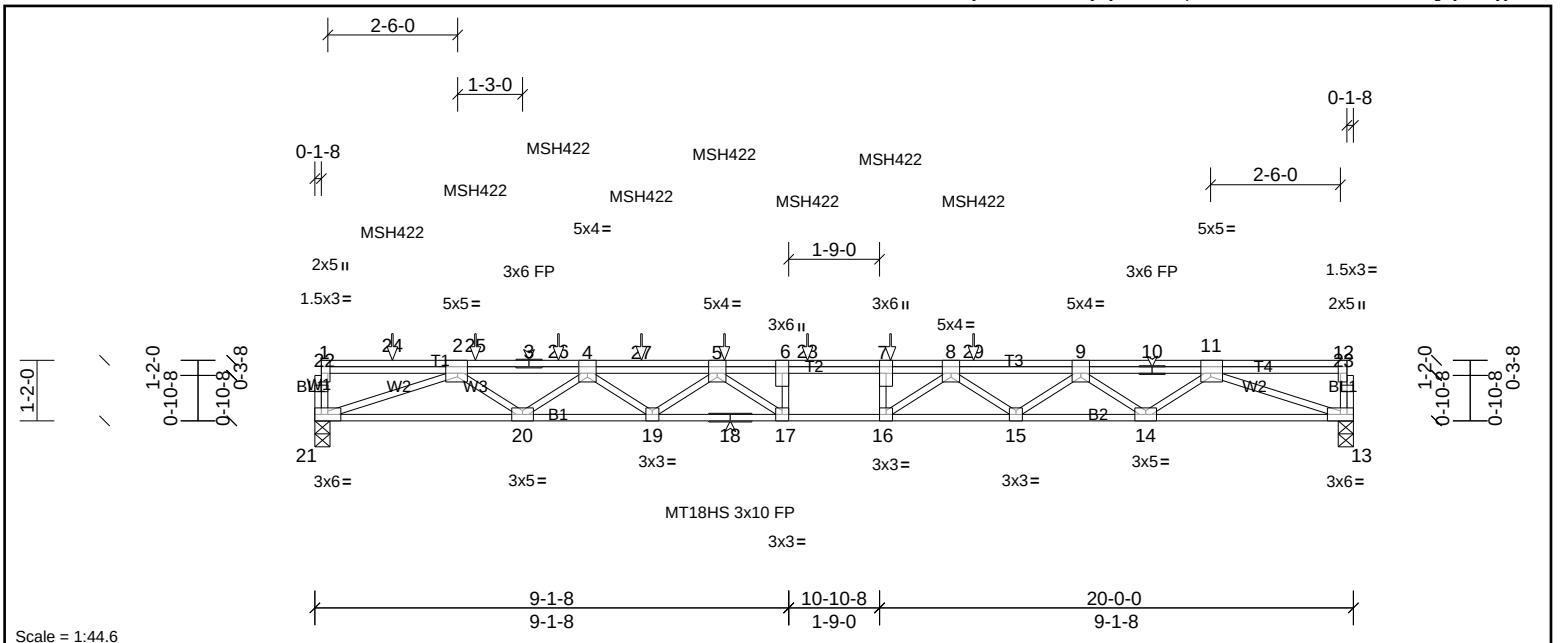


Plate Offsets (X, Y): [2:0-2-4,Edge], [4:0-2-0,Edge], [5:0-2-0,Edge], [7:0-3-0,Edge], [8:0-2-0,Edge], [9:0-2-0,Edge], [11:0-2-4,Edge], [12:0-3-0,Edge]

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)	-0.33	16-17	>715	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.46	16-17	>521	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.09	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 125 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) 13=863/0-3-8, (min. 0-1-8), 21=863/0-3-8, (min. 0-1-8)

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

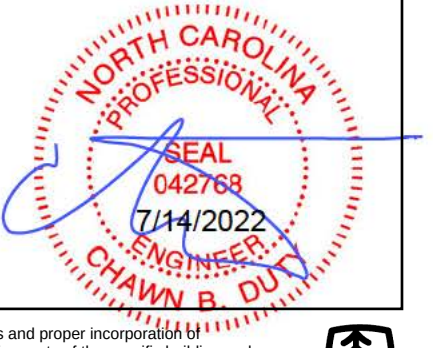
TOP CHORD	2-25=-2713/0, 3-25=-2713/0, 3-26=-2713/0, 4-26=-2713/0, 4-27=-3761/0, 5-27=-3761/0, 5-6=-4315/0, 6-28=-4315/0, 7-28=-4315/0, 7-8=-4315/0, 8-29=-3761/0, 9-29=-3761/0, 9-10=-2713/0, 10-11=-2713/0
BOT CHORD	20-21=0/2014, 19-20=0/3375, 18-19=0/4123, 17-18=0/4123, 16-17=0/4315, 15-16=0/4123, 14-15=0/3375, 13-14=0/2014
WEBS	11-13=-2143/0, 2-21=-2143/0, 11-14=0/888, 2-20=0/888, 9-14=-842/0, 4-20=-842/0, 9-15=0/490, 4-19=0/490, 8-15=-460/0, 5-19=-460/0, 8-16=-123/595, 5-17=-146/572, 6-17=-298/77, 7-16=-310/64

NOTES

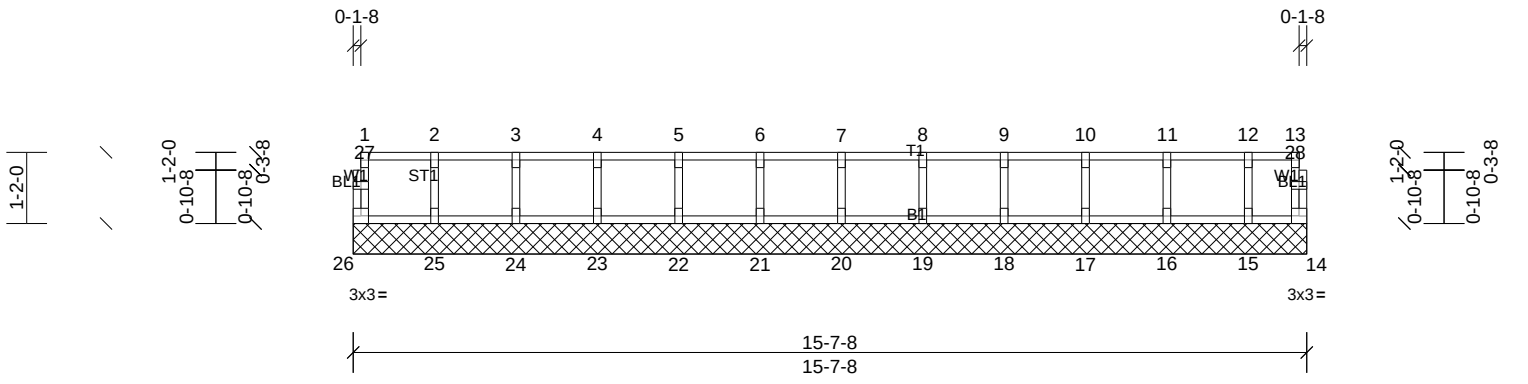
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, 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.
5) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 1-7-3 oc max. starting at 1-5-15 from the left end to 12-8-4 to connect truss(es) to back face of top chord.
6) Fill all nail holes where hanger is in contact with lumber.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 13-21=-8, 1-12=-80



Job	Truss	Truss Type	Qty	Ply	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	KW1	Truss	1	1	Job Reference (optional)



Scale = 1:37.9

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 66 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 15-7-8.

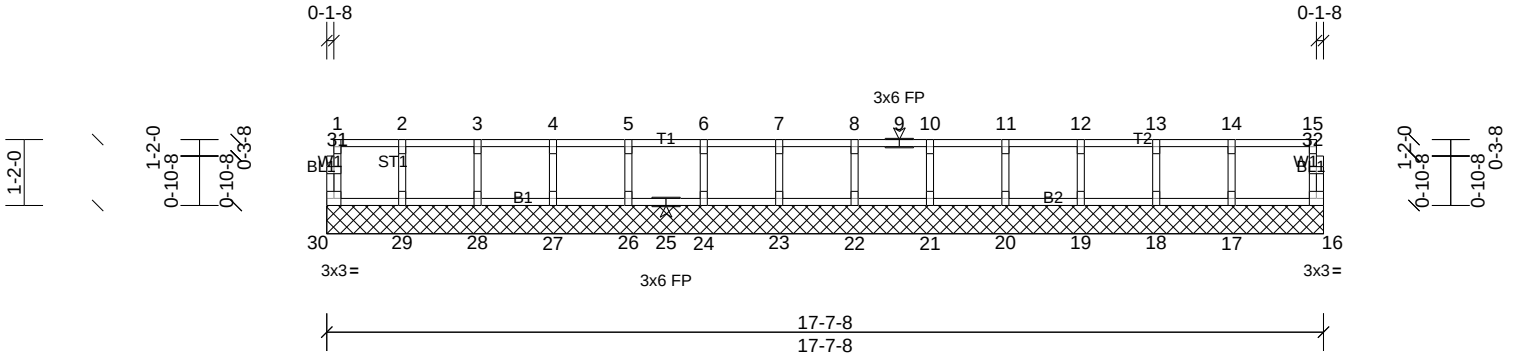
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	KW2	Truss	1	1	Job Reference (optional)



Scale = 1:40.9

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	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	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 73 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 17-7-8.

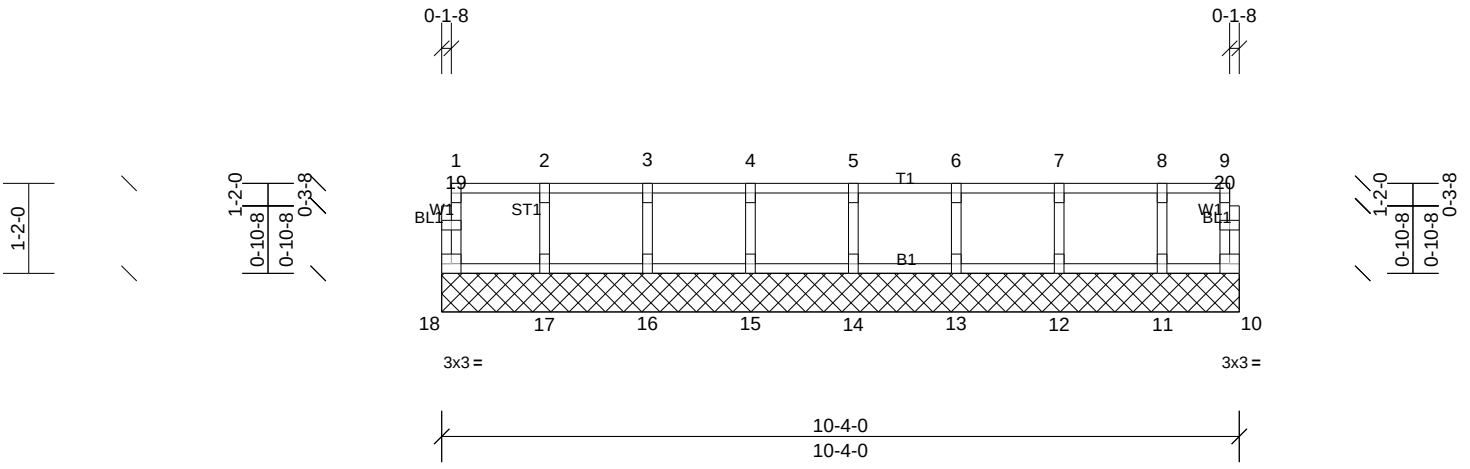
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30

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.

Job	Truss	Truss Type	Qty	Ply	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	KW3	Truss	1	1	Job Reference (optional)



Scale = 1:30

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 45 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.

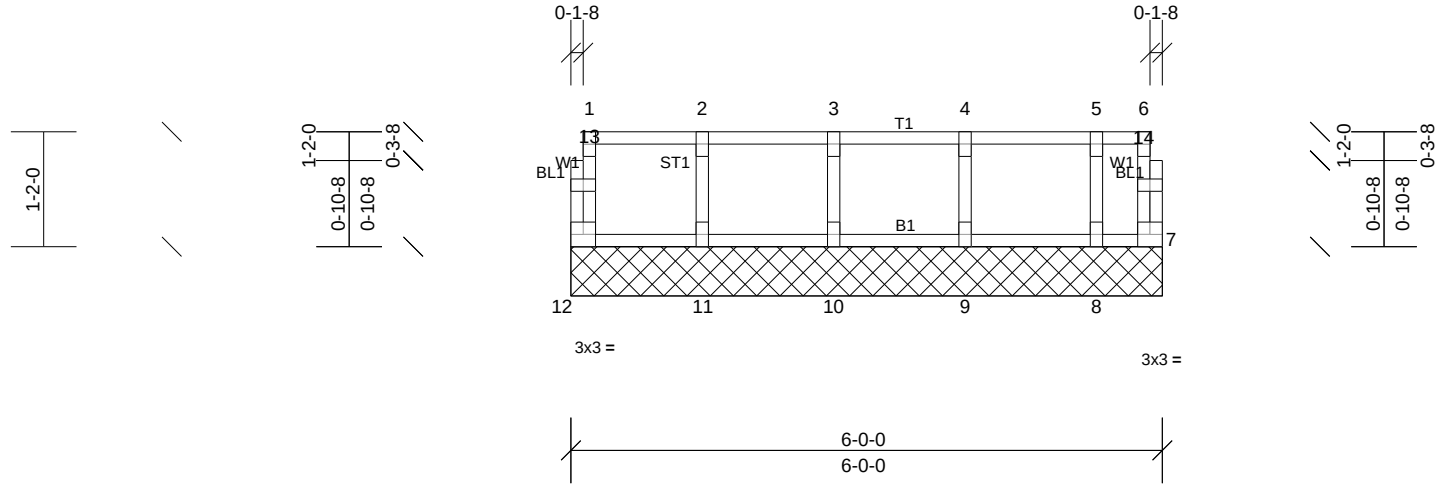
REACTIONS All bearings 10-4-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15, 16, 17, 18

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) 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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	KW4	Truss	1	1	Job Reference (optional)



Scale = 1:23.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 28 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.

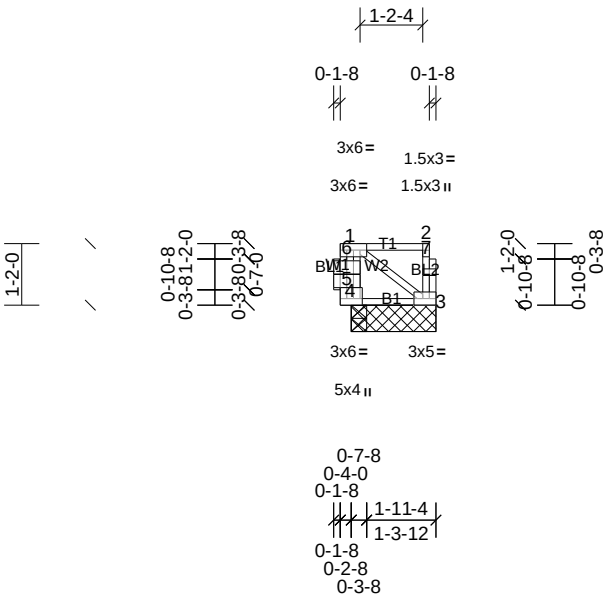
REACTIONS All bearings 6-0-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 7, 8, 9, 10, 11, 12

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	PBS\PLAN # 3 THE CARY MODEL 2F
72284505	KW5	Truss	1	1	Job Reference (optional)



Scale = 1:43.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 15 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 1-11-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=76/1-7-4, (min. 0-1-8), 4=302/1-7-4, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-284/0, 5-6=-295/0, 1-6=-284/0

NOTES

1) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
2) 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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 3-4=-10, 1-2=-100
Concentrated Loads (lb)
Vert: 1=-220