Job	Truss	Truss Type	Qty	Ply	RED DOOR\WESTOVER CLASSIC 2F
72270104	F200	Truss	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.51 S Oct 22 2021 Print: 8.510 S Oct 22 2021 MiTek Industries, Inc. Mon May 02 12:42:36 — Page: 1

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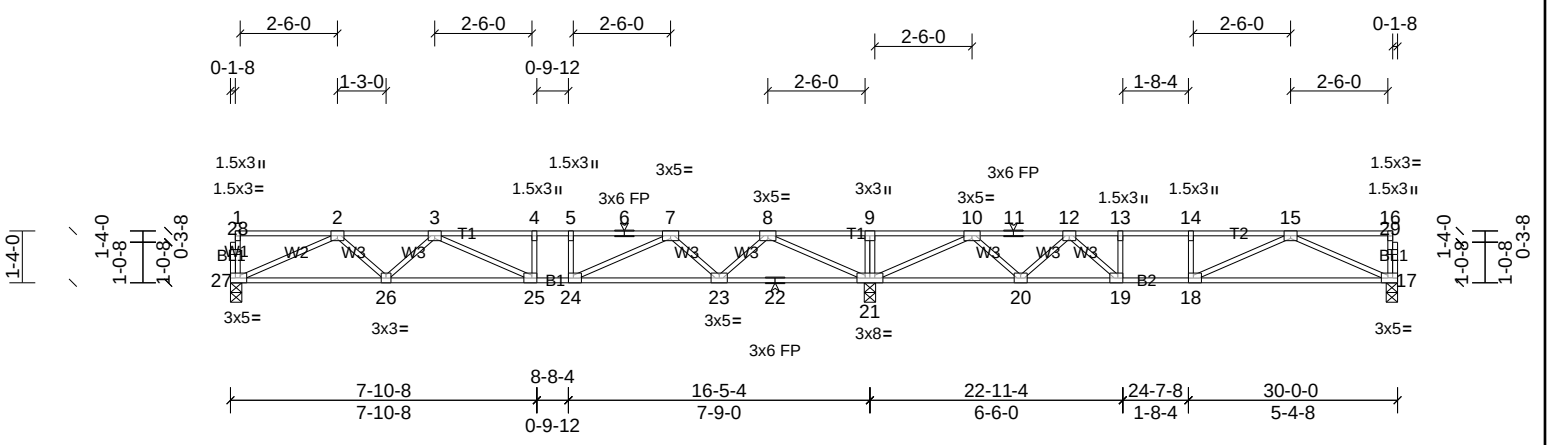

Scale = 1:59.5

Plate Offsets (X, Y): [17:0-2-0,Edge], [18:0-1-8,Edge], [19:0-1-8,Edge], [24:0-1-8,Edge], [25:0-1-8,Edge], [27:0-2-0,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	0.90	Vert(LL)	-0.17	25-26	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.27	17-18	>604	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.05	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 150 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 6-0-0 oc bracing.

REACTIONS (lb/size) 17=557/0-3-8, (min. 0-1-8), 21=1957/0-3-8, (min. 0-1-8), 27=746/0-3-8, (min. 0-1-8)

Max Grav 17=635 (LC 4), 21=1957 (LC 1), 27=789 (LC 3)

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

TOP CHORD 2-3=-1863/0, 3-4=-2358/0, 4-5=-2358/0, 5-6=-2358/0, 6-7=-2358/0, 7-8=-1123/236, 8-9=0/1944, 9-10=0/1944, 10-11=-881/531, 11-12=-881/531, 12-13=-1537/50, 13-14=-1537/50, 14-15=-1537/50

BOT CHORD 26-27=0/1457, 25-26=0/2215, 24-25=0/2358, 23-24=-32/1700, 22-23=-471/519, 21-22=-471/519, 20-21=-757/455, 19-20=-312/1287, 18-19=-50/1537, 17-18=0/1115

WEBS 9-21=-280/0, 8-21=-2104/0, 2-27=-1598/0, 8-23=0/911, 2-26=0/564, 7-23=-879/0, 3-26=-490/0, 7-24=0/930, 3-25=-269/282, 5-24=-268/0, 10-21=-1788/0, 15-17=-1222/0, 10-20=0/698, 15-18=-140/467, 12-20=-699/0, 12-19=0/691, 13-19=-343/0

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	RED DOOR\WESTOVER CLASSIC 2F
72270104	F201	Truss	3	1	Job Reference (optional)

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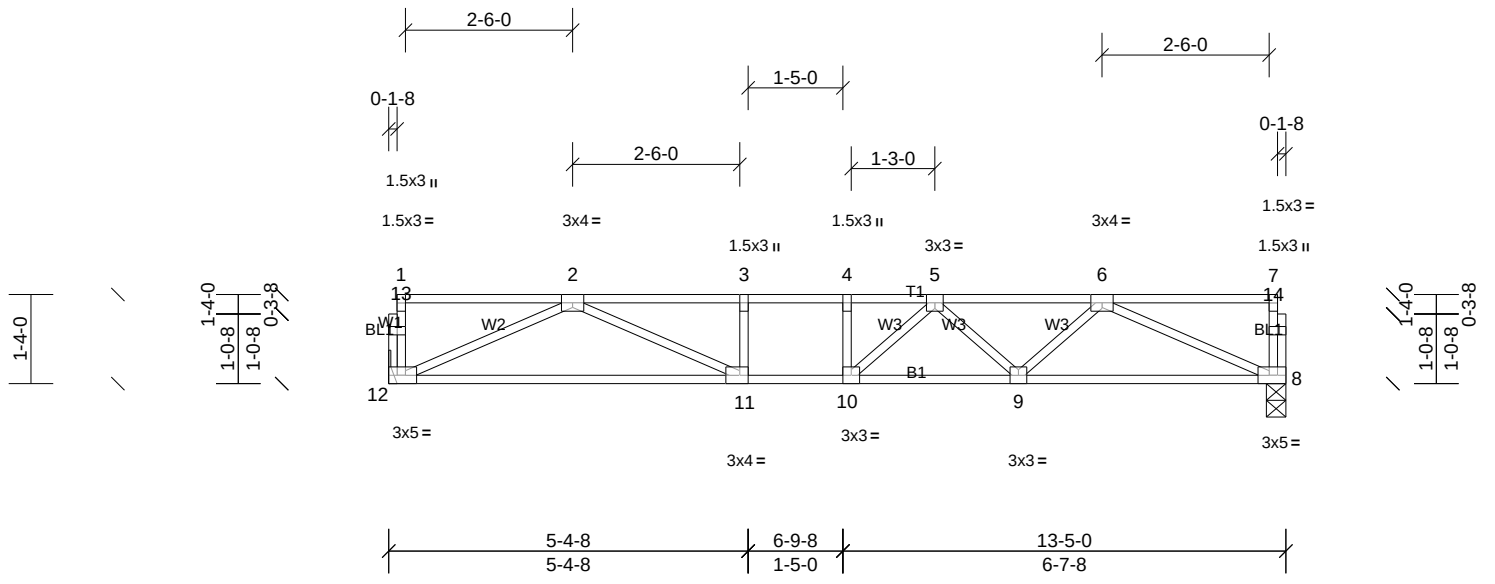


Scale = 1:34.6

Plate Offsets (X, Y): [8:0-2-0,Edge], [11:0-1-8,Edge], [12:0-2-0,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	0.46	Vert(LL)	-0.13	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.17	11-12	>903	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 68 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.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=718/0-3-8, (min. 0-1-8), 12=718/ Mechanical, (min. 0-1-8)

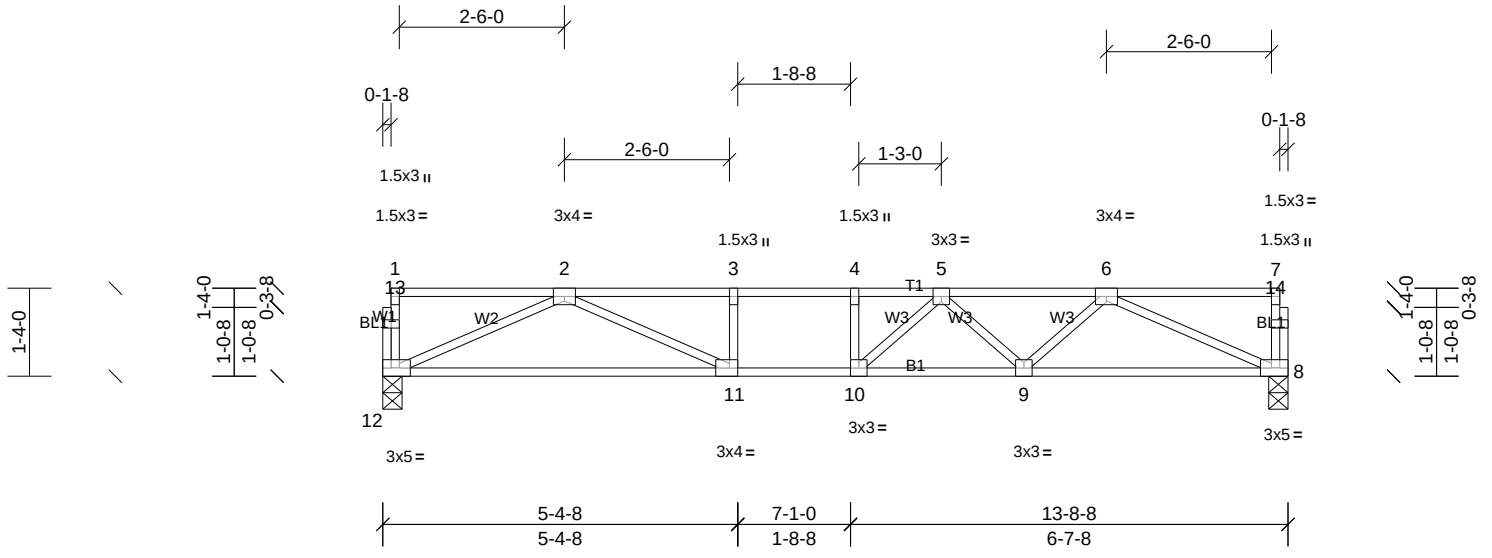
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1944/0, 3-4=-1944/0, 4-5=-1944/0, 5-6=-1624/0
BOT CHORD	11-12=0/1297, 10-11=0/1944, 9-10=0/1894, 8-9=0/1306
WEBS	6-8=-1432/0, 2-12=-1422/0, 6-9=0/443, 2-11=0/758, 5-9=-375/0, 5-10=-140/329

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	RED DOOR\WESTOVER CLASSIC 2F
72270104	F202	Truss	12	1	Job Reference (optional)



Scale = 1:35

Plate Offsets (X, Y): [8:0-2-0,Edge], [11:0-1-8,Edge], [12:0-2-0,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	0.57	Vert(LL)	-0.16	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.19	9-10	>837	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 69 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) 8=734/0-3-8, (min. 0-1-8), 12=734/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2024/0, 3-4=-2024/0, 4-5=-2024/0, 5-6=-1677/0
BOT CHORD	11-12=0/1331, 10-11=0/2024, 9-10=0/1960, 8-9=0/1341
WEBS	6-8=-1471/0, 2-12=-1459/0, 6-9=0/466, 2-11=0/814, 5-9=-395/0, 5-10=-130/361, 3-11=-256/0

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	RED DOOR\WESTOVER CLASSIC 2F
72270104	F203	Truss	3	1	Job Reference (optional)

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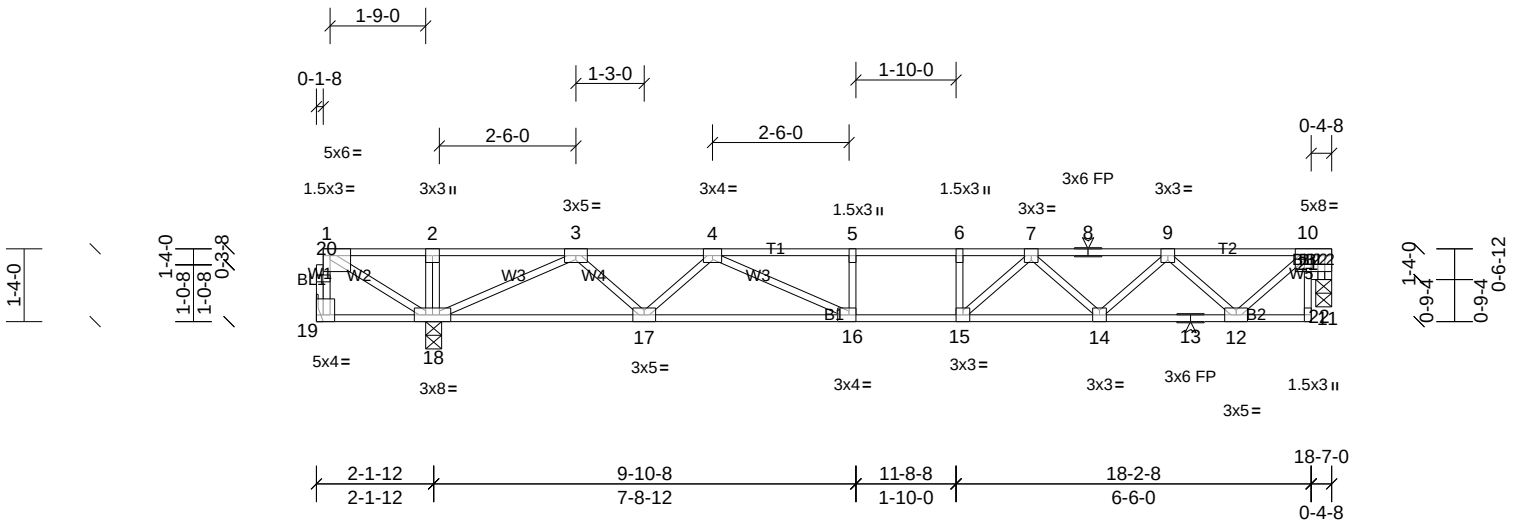

Scale = 1:42.4

Plate Offsets (X, Y): [1:Edge,0-1-8], [10:0-2-0,Edge], [16:0-1-8,Edge], [19:Edge,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	0.88	Vert(LL)	-0.17	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.22	14-15	>880	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.02	22	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.2(flat)
WEBS	2x4 SP No.3(flat) *Except* 11-10:2x4 SP No.2(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18.

REACTIONS (lb/size) 18=2238/0-3-8, (min. 0-1-8), 19=560/ Mechanical, (min. 0-1-8), 22=737/0-3-8, (min. 0-1-8)
Max Grav 18=2238 (LC 1), 19=1314 (LC 3), 22=738 (LC 4)

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

TOP CHORD	19-20=-1312/0, 1-20=-1310/0, 1-2=0/1696, 2-3=0/1698, 3-4=-806/0, 4-5=-2129/0, 5-6=-2129/0, 6-7=-2129/0, 7-8=-1775/0, 8-9=-1775/0, 9-10=-817/0
BOT CHORD	16-17=0/1408, 15-16=0/2129, 14-15=0/2067, 13-14=0/1439, 12-13=0/1439
WEBS	3-18=-2066/0, 10-12=0/909, 9-12=-864/0, 3-17=0/881, 9-14=0/467, 4-17=-841/0, 7-14=-406/0, 4-16=0/812, 7-15=-109/329, 5-16=-281/0, 2-18=-273/0, 1-18=-2023/0, 10-22=-853/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) Bearing at joint(s) 22 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 11-19=-10, 1-10=-100
Concentrated Loads (lb)
Vert: 1=-1560

Job	Truss	Truss Type	Qty	Ply	RED DOOR\WESTOVER CLASSIC 2F
72270104	F204	Truss	2	1	Job Reference (optional)

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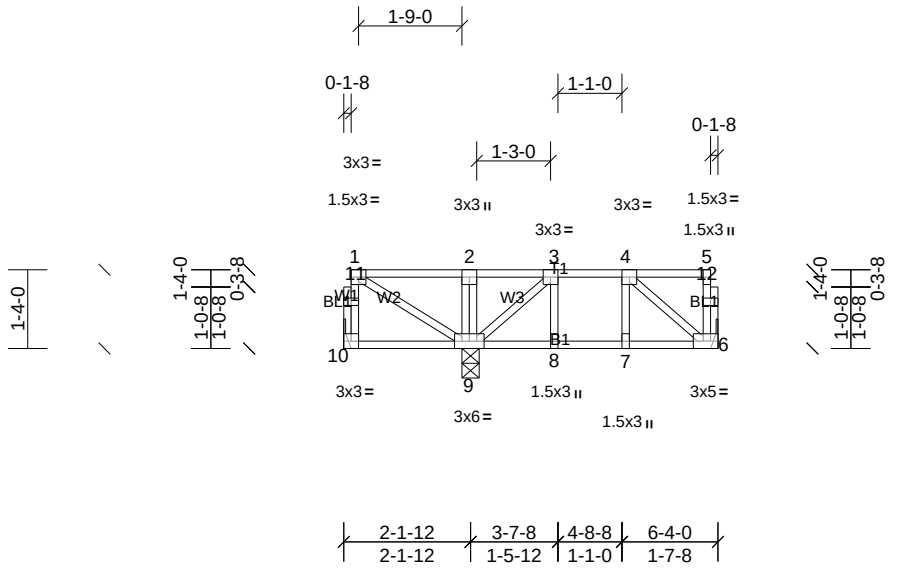


Scale = 1:39.2

Plate Offsets (X, Y): [6:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	0.00	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	0.00	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 39 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=140/ Mechanical, (min. 0-1-8), 9=273/0-3-8, (min. 0-1-8), 10=1078/ Mechanical, (min. 0-1-8)

Max Grav 6=140 (LC 8), 9=297 (LC 7), 10=1106 (LC 8)

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

TOP CHORD 10-11=-1102/0, 1-11=-1100/0

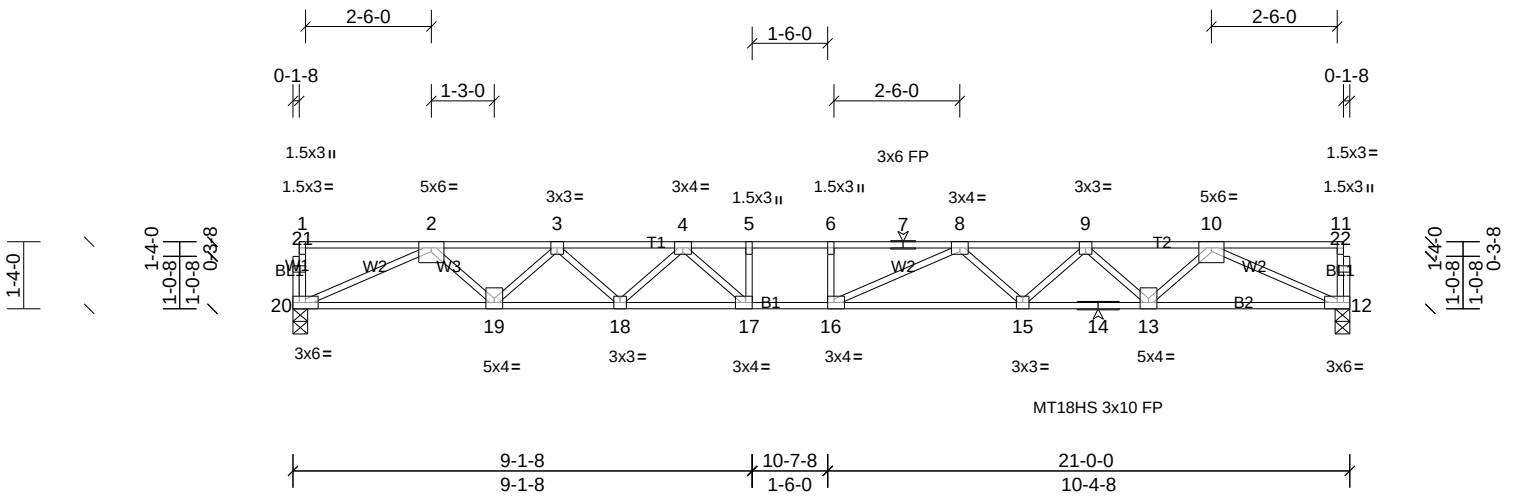
NOTES

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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
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.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1054 lb down at 0-2-4 on top chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 6-10=-7, 1-5=-67
   Concentrated Loads (lb)
   Vert: 1=-1054

Job	Truss	Truss Type	Qty	Ply	RED DOOR\WESTOVER CLASSIC 2F
72270104	F205	Truss	9	1	Job Reference (optional)



Scale = 1:46

Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.42	15-16	>589	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.59	15-16	>423	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.09	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 106 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=1135/0-3-8, (min. 0-1-8), 20=1135/0-3-8, (min. 0-1-8)

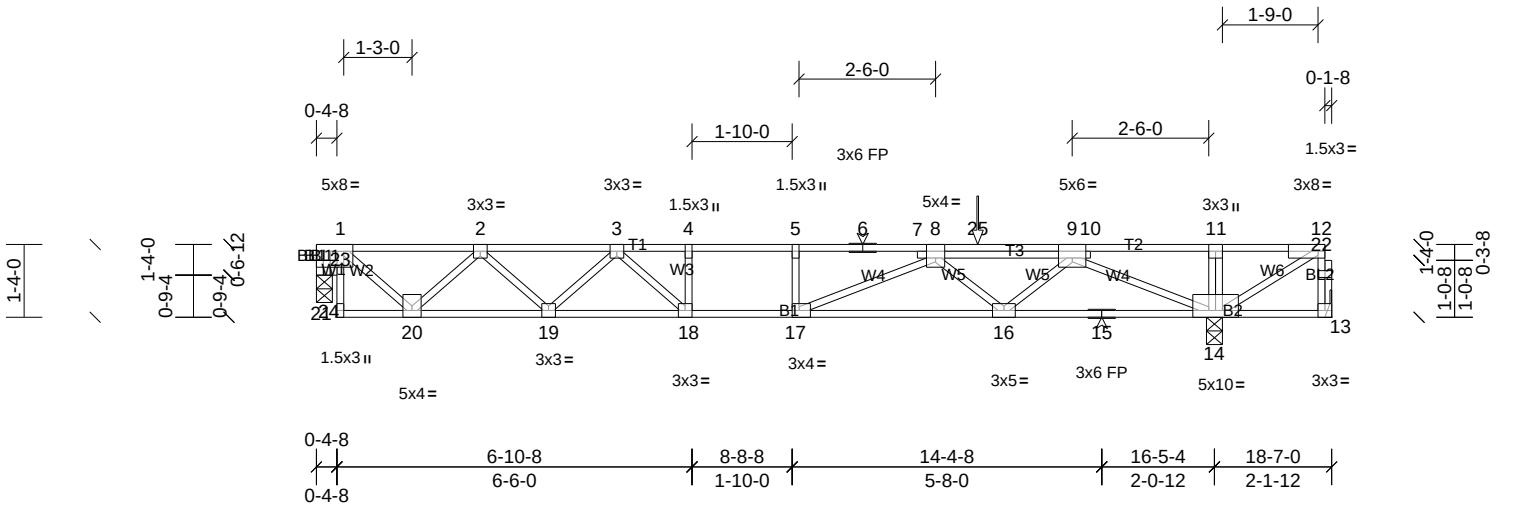
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-2959/0, 3-4=-4122/0, 4-5=-4865/0, 5-6=-4865/0, 6-7=-4865/0, 7-8=-4865/0, 8-9=-4154/0, 9-10=-2952/0
BOT CHORD	19-20=0/2202, 18-19=0/3673, 17-18=0/4572, 16-17=0/4865, 15-16=0/4587, 14-15=0/3673, 13-14=0/3673, 12-13=0/2201
WEBS	10-12=-2418/0, 2-20=-2418/0, 10-13=0/1044, 2-19=0/1052, 9-13=-1003/0, 3-19=-993/0, 9-15=0/669, 3-18=0/625, 8-15=-602/0, 4-18=-625/0, 8-16=-160/714, 4-17=-97/734, 5-17=-322/1

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	RED DOOR\WESTOVER CLASSIC 2F
72270104	FG1	Truss	1	1	Job Reference (optional)



Scale = 1:42.4

Plate Offsets (X, Y): [1:0-2-0,Edge], [8:0-2-0,Edge], [9:0-3-0,Edge], [12:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.74	Vert(LL)	-0.16	18-19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.21	18-19	>921	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.02	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 100 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) *Except* 21-1:2x4 SP No.2(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=380/ Mechanical, (min. 0-1-8), 14=2574/0-3-8, (min. 0-1-8), 24=761/0-3-8, (min. 0-1-8)
Max Grav 13=1020 (LC 4), 14=2593 (LC 8), 24=762 (LC 3)

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

TOP CHORD	13-22=-1018/0, 12-22=-1017/0, 1-2=-847/0, 2-3=-1853/0, 3-4=-2278/0, 4-5=-2278/0, 5-6=-2278/0, 6-7=-2278/0, 7-8=-2267/0, 8-25=-991/0, 9-25=-991/0, 9-10=0/2046, 10-11=0/2098, 11-12=0/2091
BOT CHORD	19-20=0/1495, 18-19=0/2173, 17-18=0/2278, 16-17=0/1642, 15-16=0/307, 14-15=0/307
WEBS	11-14=-286/0, 9-14=-2522/0, 1-20=0/949, 2-20=-901/0, 9-16=0/935, 2-19=0/498, 8-16=-892/0, 3-19=-444/0, 8-17=0/711, 3-18=-33/417, 12-14=-2474/0, 1-24=-877/0

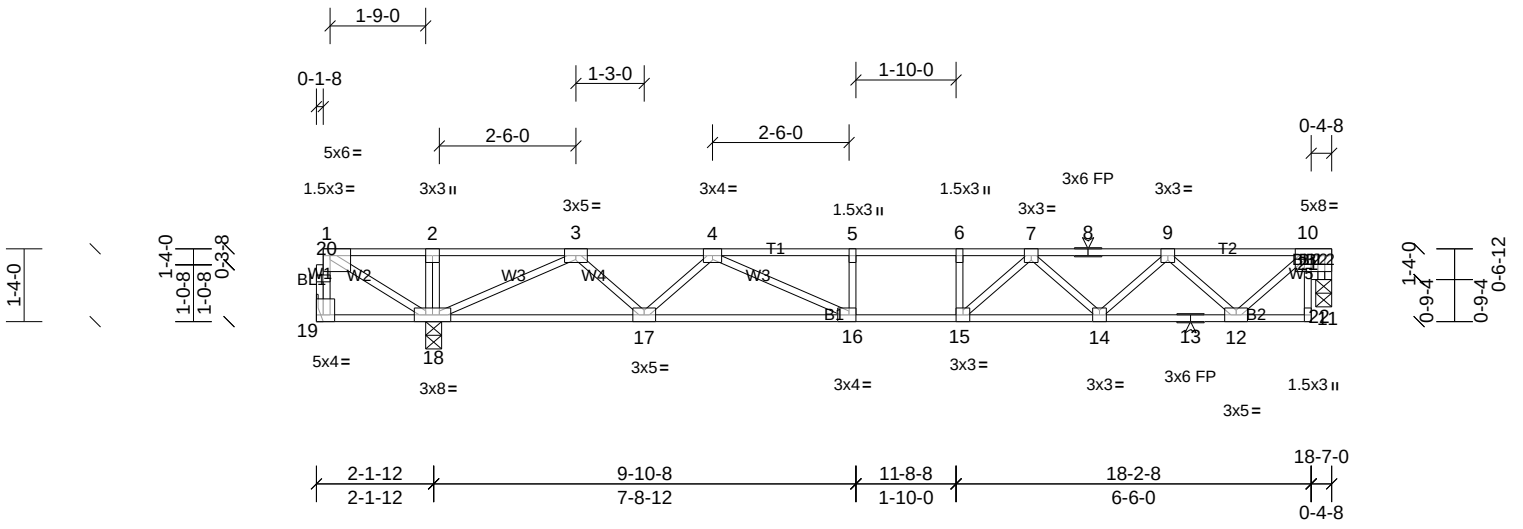
NOTES

1) Unbalanced floor live loads have been considered for this design.
2) Bearing at joint(s) 24 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 259 lb down at 12-1-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 13-21=-10, 1-12=-100
   Concentrated Loads (lb)
   Vert: 12=-1560, 25=-179

Job	Truss	Truss Type	Qty	Ply	RED DOOR\WESTOVER CLASSIC 2F
72270104	FG2	Truss	1	1	Job Reference (optional)



Scale = 1:42.4

Plate Offsets (X, Y): [1:Edge,0-1-8], [10:0-2-0,Edge], [16:0-1-8,Edge], [19:Edge,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	0.88	Vert(LL)	-0.17	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.22	14-15	>880	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.02	22	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.2(flat)
WEBS	2x4 SP No.3(flat) *Except* 11-10:2x4 SP No.2(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18.

REACTIONS (lb/size) 18=2238/0-3-8, (min. 0-1-8), 19=560/ Mechanical, (min. 0-1-8), 22=737/0-3-8, (min. 0-1-8)
Max Grav 18=2238 (LC 1), 19=1314 (LC 3), 22=738 (LC 4)

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

TOP CHORD	19-20=-1312/0, 1-20=-1310/0, 1-2=0/1696, 2-3=0/1698, 3-4=-806/0, 4-5=-2129/0, 5-6=-2129/0, 6-7=-2129/0, 7-8=-1775/0, 8-9=-1775/0, 9-10=-817/0
BOT CHORD	16-17=0/1408, 15-16=0/2129, 14-15=0/2067, 13-14=0/1439, 12-13=0/1439
WEBS	2-18=-273/0, 1-18=-2023/0, 3-18=-2066/0, 10-12=0/909, 9-12=-864/0, 3-17=0/881, 9-14=0/467, 4-17=-841/0, 7-14=-406/0, 4-16=0/812, 7-15=-109/329, 5-16=-281/0, 10-22=-853/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) Bearing at joint(s) 22 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1560 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 11-19=-10, 1-10=-100
Concentrated Loads (lb)
Vert: 1=-1560

Job	Truss	Truss Type	Qty	Ply	RED DOOR\WESTOVER CLASSIC 2F
72270104	FG3	Truss	1	1	Job Reference (optional)

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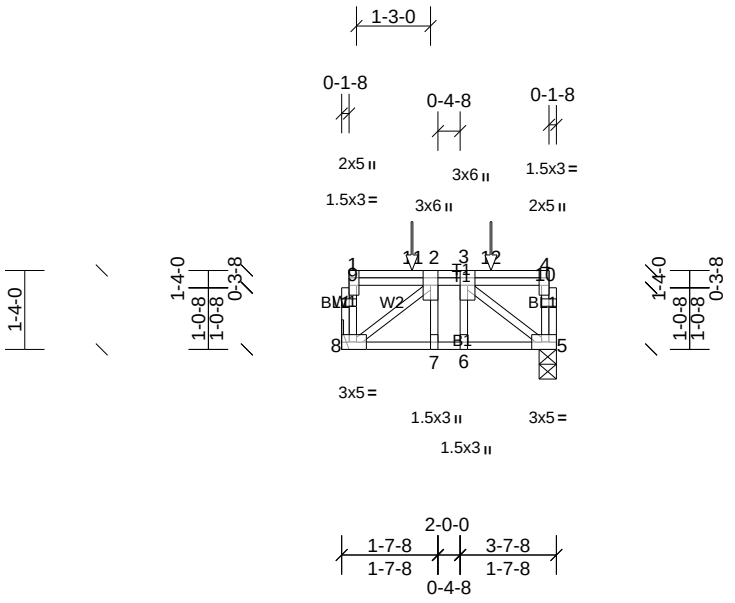


Scale = 1:39.1

Plate Offsets (X, Y): [4:Edge,0-1-8], [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	0.10	Vert(LL)	0.00	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	0.00	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 29 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-7-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=255/0-3-8, (min. 0-1-8), 8=251/ Mechanical, (min. 0-1-8)
Max Grav 5=285 (LC 4), 8=279 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-5=-291/0, 2-8=-291/0

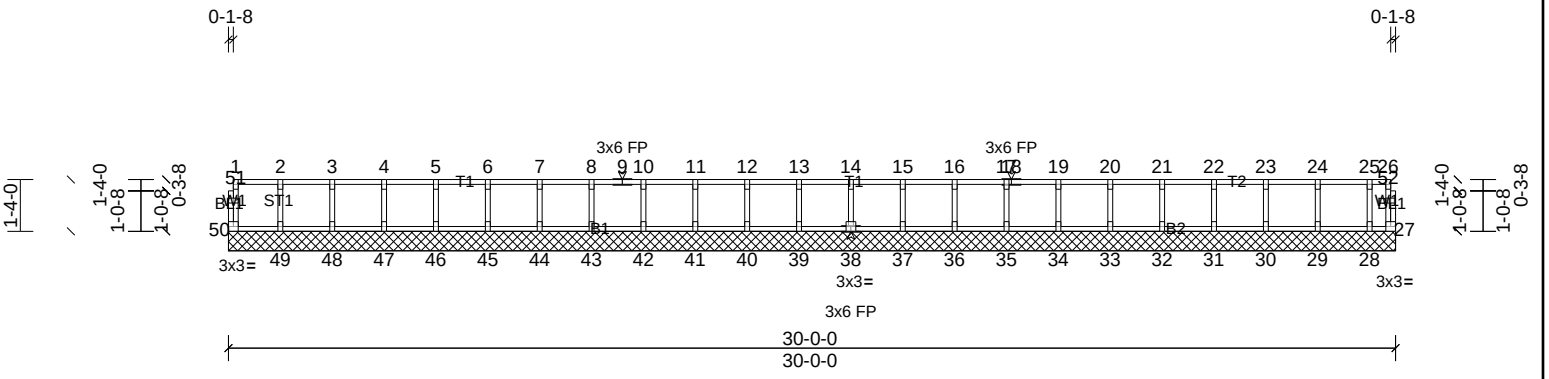
NOTES

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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 127 lb down at 1-2-4, and 127 lb down at 2-6-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 11=-74, 12=-74

Job	Truss	Truss Type	Qty	Ply	RED DOOR\WESTOVER CLASSIC 2F
72270104	L201	Truss	1	1	Job Reference (optional)



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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)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 130 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 30-0-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50

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	RED DOOR\WESTOVER CLASSIC 2F
72270104	L202	Truss	1	1	Job Reference (optional)

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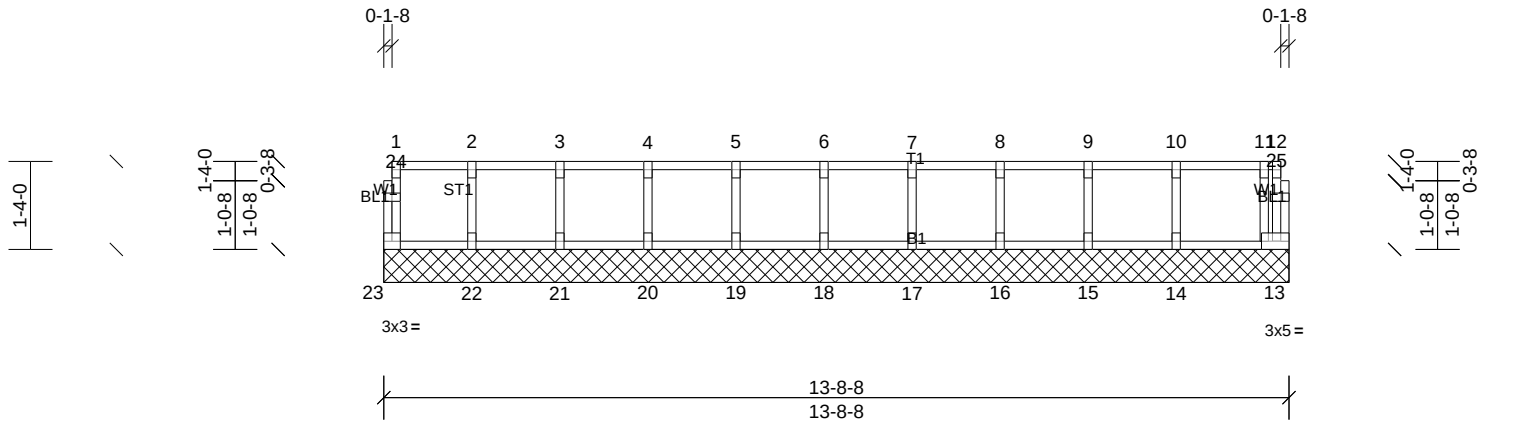

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 62 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 13-8-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23

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.