

Job 72433237	Truss 2F1	Truss Type Truss	Qty 5	Ply 1	PBS/GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Oct 28 21:41:40

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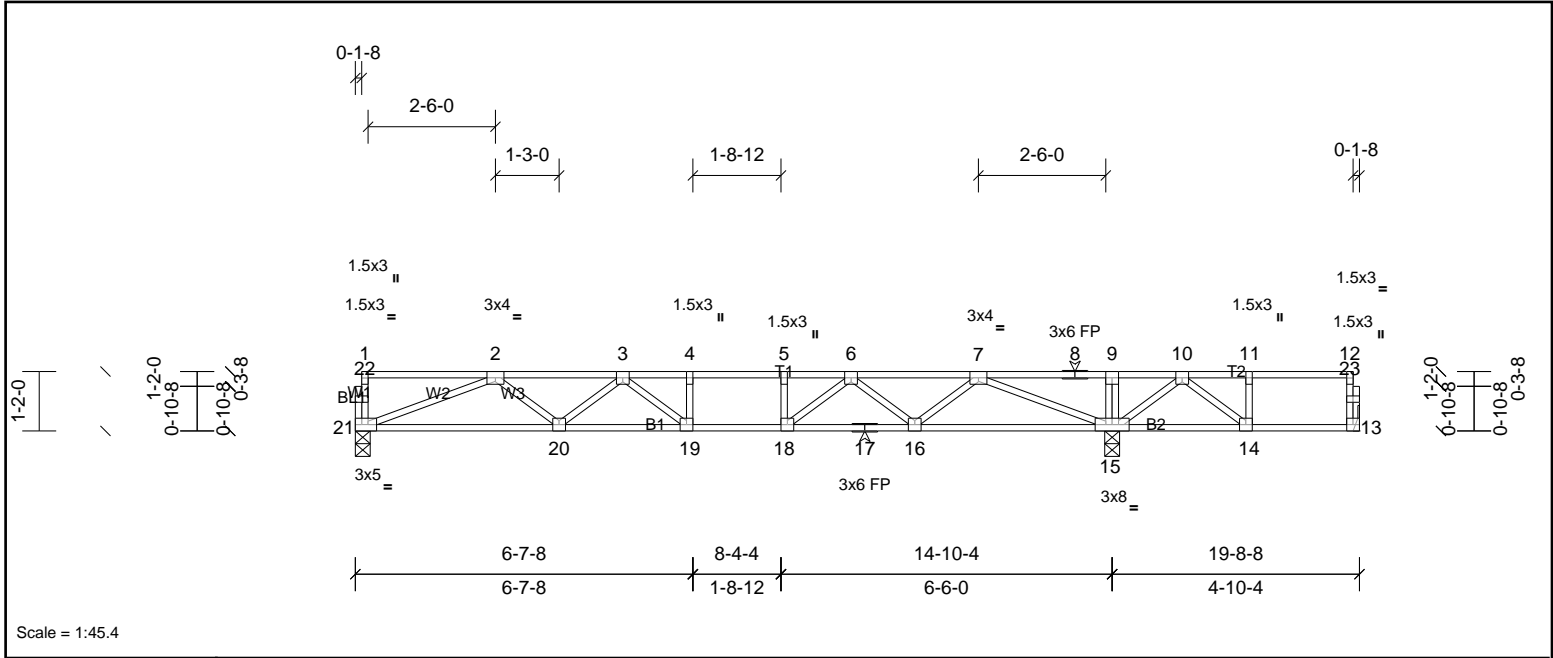


Plate Offsets (X, Y): [21:0-2-0,Edge]

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	0.56	Vert(LL)	-0.14	19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.18	19-20	>958	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 96 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

**REACTIONS** (lb/size) 13=47/ Mechanical, (min. 0-1-8), 15=1065/0-3-8, (min. 0-1-8), 21=590/0-3-8, (min. 0-1-8)  
 Max Uplift 13=-20 (LC 3)  
 Max Grav 13=79 (LC 4), 15=1065 (LC 1), 21=616 (LC 3)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1659/0, 3-4=-2073/0, 4-5=-2073/0, 5-6=-2073/0, 6-7=-1472/0, 7-8=0/672, 8-9=0/672, 9-10=0/664  
 BOT CHORD 20-21=0/1314, 19-20=0/1961, 18-19=0/2073, 17-18=0/1852, 16-17=0/1852, 15-16=-109/1065, 14-15=-307/0  
 WEBS 10-15=-444/0, 10-14=0/396, 7-15=-1540/0, 2-21=-1409/0, 7-16=0/567, 2-20=0/448, 6-16=-543/0, 3-20=-393/0, 6-18=0/536, 3-19=-146/277

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 3x3 MT20 unless otherwise indicated.
  - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 13.
  - 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.



This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



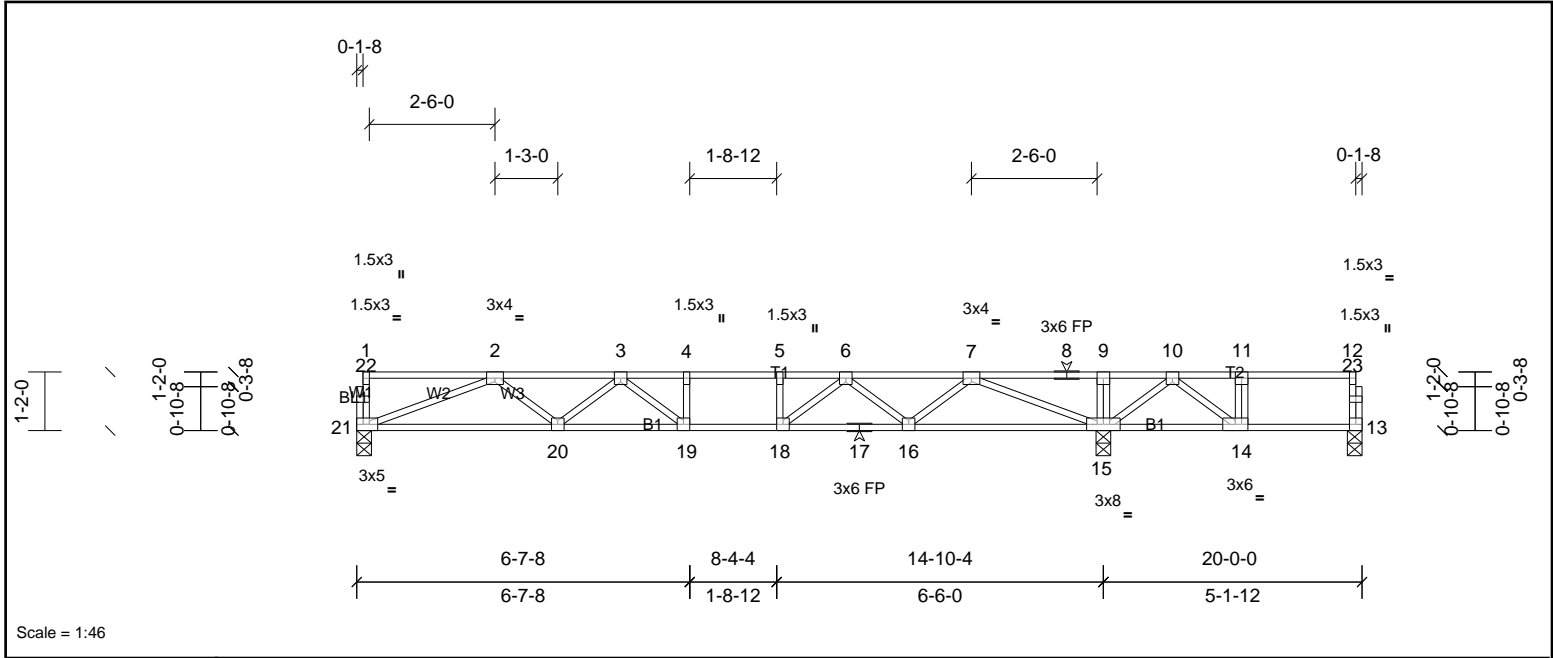
Job 72433237	Truss 2F2	Truss Type Truss	Qty 8	Ply 1	PBS/GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Scale = 1:46

Plate Offsets (X, Y):		[21:0-2-0,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	0.57	Vert(LL)	-0.14	19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.18	19	>958	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 99 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	13=61/0-3-8, (min. 0-1-8), 15=1079/0-3-8, (min. 0-1-8), 21=587/0-3-8, (min. 0-1-8)
Max Uplift	13=-10 (LC 3)	
Max Grav	13=88 (LC 4), 15=1079 (LC 1), 21=617 (LC 3)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1662/0, 3-4=-2079/0, 4-5=-2079/0, 5-6=-2079/0, 6-7=-1480/0, 7-8=0/707, 8-9=0/707, 9-10=0/700
BOT CHORD	20-21=0/1316, 19-20=0/1964, 18-19=0/2079, 17-18=0/1859, 16-17=0/1859, 15-16=-156/1074, 14-15=-329/0
WEBS	10-15=-468/0, 10-14=0/417, 7-15=-1546/0, 2-21=-1411/0, 7-16=0/570, 2-20=0/449, 6-16=-548/0, 3-20=-394/0, 6-18=0/545, 3-19=-156/270

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 3x3 MT20 unless otherwise indicated.
  - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 13.
  - 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.



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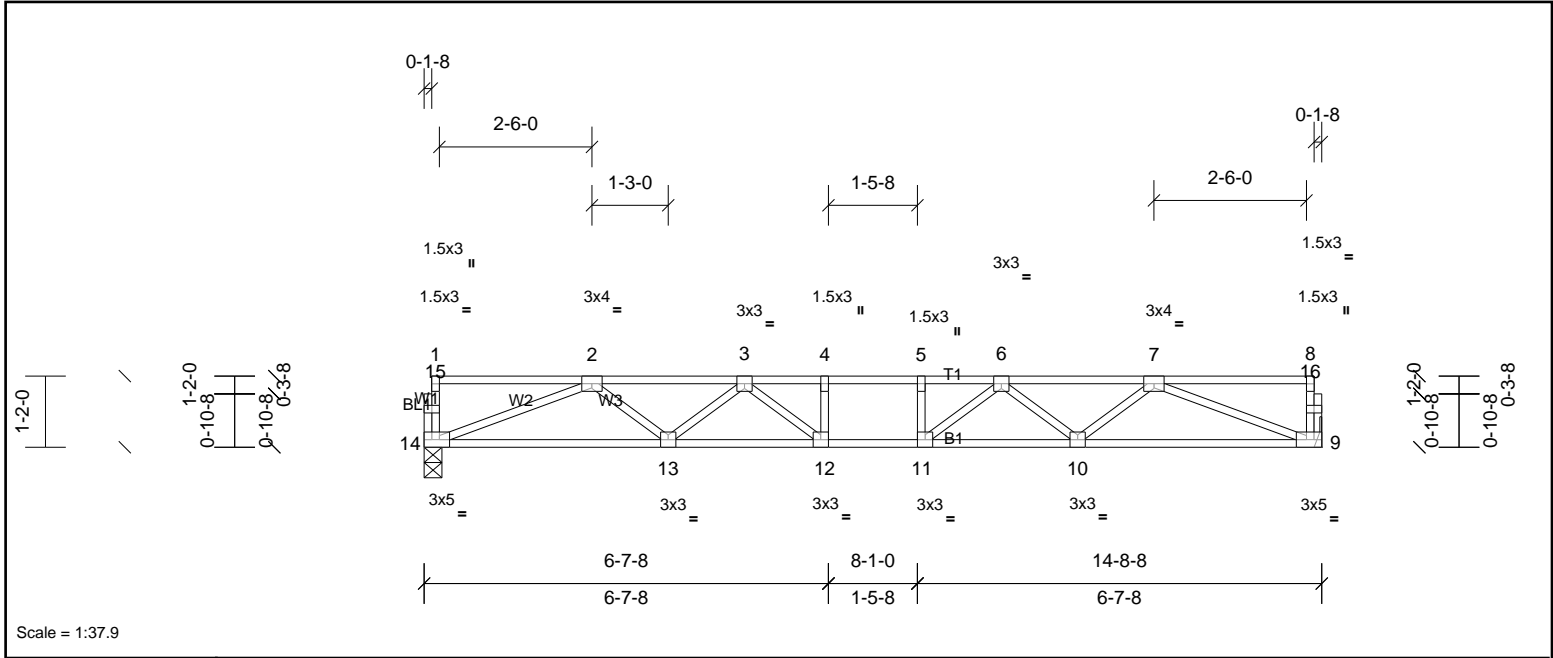
Job 72433237	Truss 2F3	Truss Type Truss	Qty 1	Ply 1	PBS/GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Scale = 1:37.9

Plate Offsets (X, Y):	[9:0-2-0,Edge], [14:0-2-0,Edge]											
<b>Loading</b>	(psf)	<b>Spacing</b>	1-7-3	<b>CSI</b>		<b>DEFL</b>	in	(loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	40.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.13	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.62	Vert(CT)	-0.18	11-12	>964	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 73 lb	FT = 20%F, 11%E

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

<b>REACTIONS</b>	(lb/size)	9=631/ Mechanical, (min. 0-1-8), 14=631/0-3-8, (min. 0-1-8)
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		2-3=-1710/0, 3-4=-2181/0, 4-5=-2181/0, 5-6=-2181/0, 6-7=-1710/0
BOT CHORD		13-14=0/1350, 12-13=0/2034, 11-12=0/2181, 10-11=0/2034, 9-10=0/1350
WEBS		7-9=-1447/0, 2-14=-1447/0, 7-10=0/469, 2-13=0/469, 6-10=-421/0, 3-13=-421/0, 6-11=-43/379, 3-12=-43/379

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - 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.



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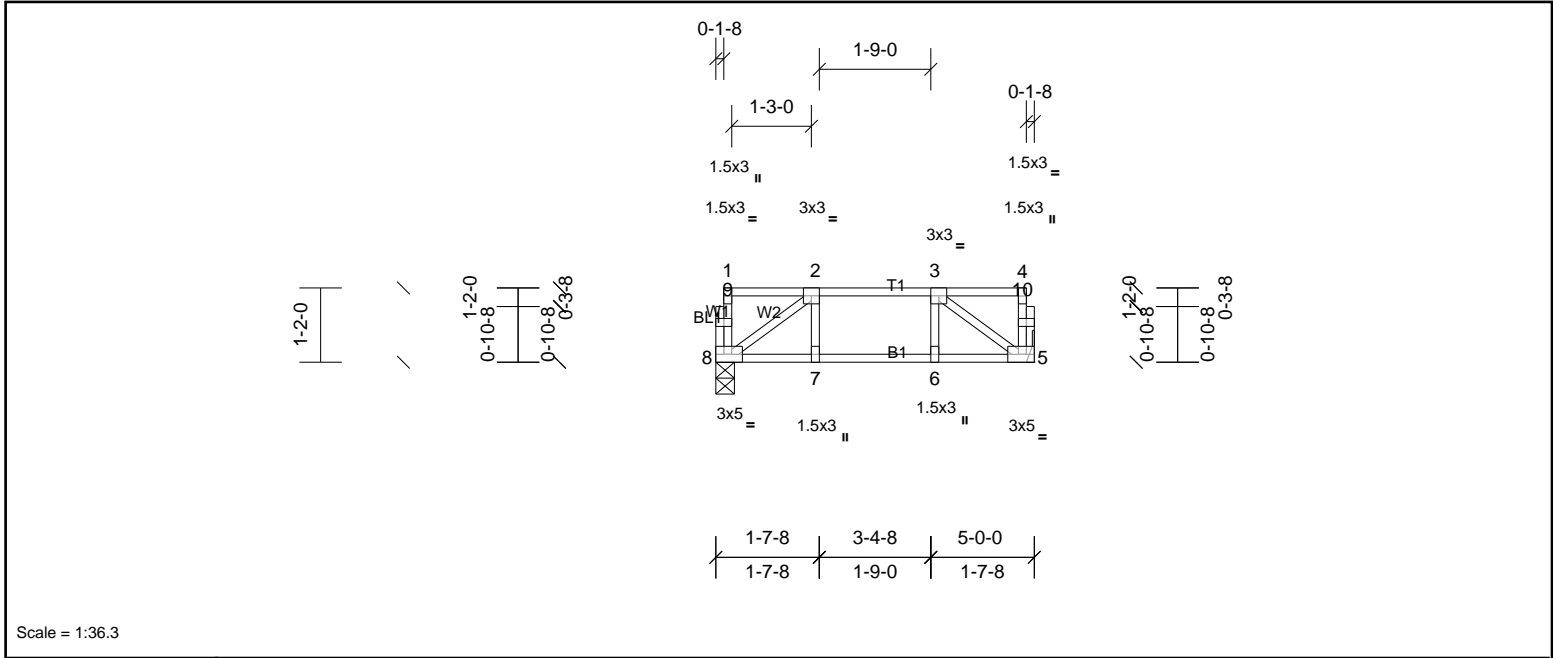
Job 72433237	Truss 2F4	Truss Type Truss	Qty 1	Ply 1	PBS\GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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Scale = 1:36.3

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	0.13	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.01	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 27 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

**REACTIONS** (lb/size) 5=204/ Mechanical, (min. 0-1-8), 8=204/0-3-8, (min. 0-1-8)  
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 3-5=-271/0, 2-8=-271/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - 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.



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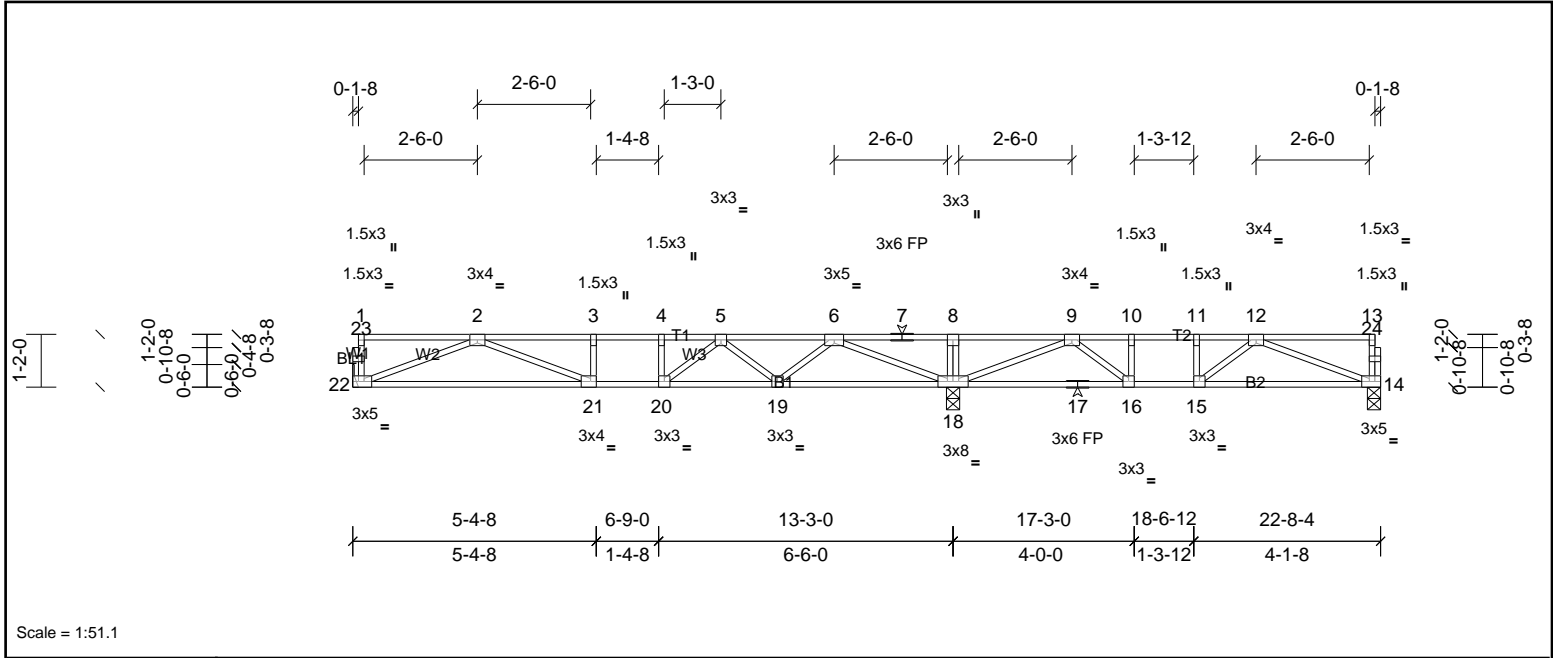
Job 72433237	Truss 2F5	Truss Type Truss	Qty 3	Ply 1	PBS\GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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Scale = 1:51.1

Plate Offsets (X, Y): [14:0-2-0,Edge], [21:0-1-8,Edge], [22:0-2-0,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	0.69	Vert(LL)	-0.12	21-22	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.21	21-22	>750	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 112 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

**REACTIONS** (lb/size) 14=372/0-3-8, (min. 0-1-8), 18=1463/0-3-8, (min. 0-1-8), 22=621/Mechanical, (min. 0-1-8)  
 Max Grav 14=448 (LC 4), 18=1463 (LC 1), 22=638 (LC 3)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1810/0, 3-4=-1810/0, 4-5=-1810/0, 5-6=-1172/0, 6-7=0/1131, 7-8=0/1131, 8-9=0/1131, 9-10=-868/170, 10-11=-868/170, 11-12=-868/170  
 BOT CHORD 21-22=0/1301, 20-21=0/1810, 19-20=0/1596, 18-19=-26/718, 17-18=-452/587, 16-17=-452/587, 15-16=-170/868, 14-15=-25/819  
 WEBS 8-18=-296/0, 6-18=-1769/0, 2-22=-1394/0, 6-19=0/624, 2-21=0/549, 5-19=-593/0, 5-20=0/491, 9-18=-1293/0, 12-14=-874/27, 9-16=0/632, 10-16=-309/0

- 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.



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Job 72433237	Truss 2F6	Truss Type Truss	Qty 4	Ply 1	PBS\GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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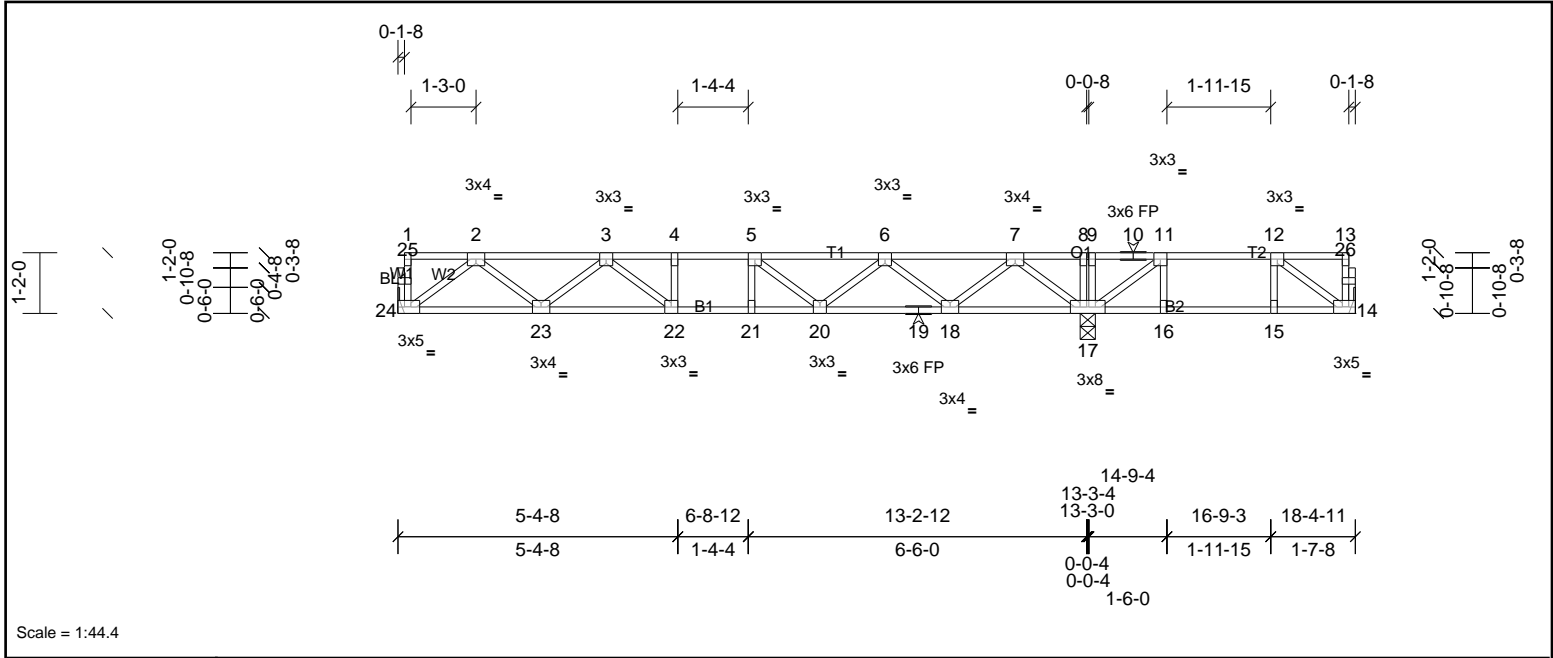


Plate Offsets (X, Y):	[14:0-2-0,Edge], [24:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI	DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.12	20-21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.17	20-21	>934	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.04	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 93 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	
	14=263/ Mechanical, (min. 0-1-8), 17=989/0-3-8, (min. 0-1-8), 24=713/ Mechanical, (min. 0-1-8)	
	Max Grav	14=267 (LC 4), 17=989 (LC 1), 24=714 (LC 10)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1407/0, 3-4=-2224/0, 4-5=-2224/0, 5-6=-2115/0, 6-7=-1410/0, 11-12=-298/0
BOT CHORD	23-24=0/882, 22-23=0/1918, 21-22=0/2224, 20-21=0/2224, 19-20=0/1934, 18-19=0/1934, 17-18=0/874, 16-17=0/298, 15-16=0/298, 14-15=0/298
WEBS	11-17=-361/0, 12-14=-364/0, 7-17=-1087/0, 2-24=-1103/0, 7-18=0/697, 2-23=0/684, 6-18=-686/0, 3-23=-665/0, 6-20=0/313, 3-22=0/550, 5-20=-321/61

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - All plates are 1.5x3 MT20 unless otherwise indicated.
  - 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.
  - CAUTION, Do not erect truss backwards.
  - Top chord over the bearing at 13-3-0 is required to be field cut at time of installation. No plates are to be damaged or disturbed.



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Job 72433237	Truss 2F7	Truss Type Truss	Qty 2	Ply 1	PBS/GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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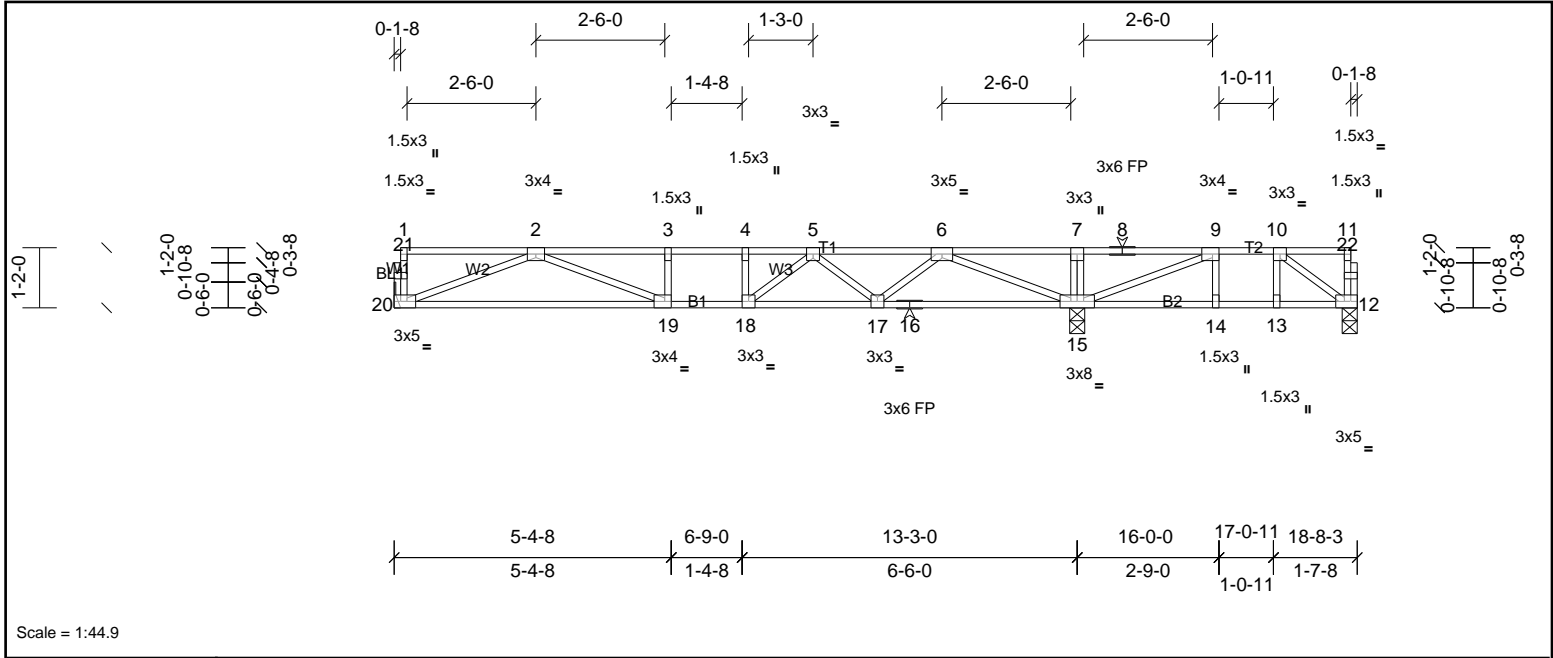


Plate Offsets (X, Y): [9:0-1-8,Edge], [12:0-2-0,Edge], [19:0-1-8,Edge], [20:0-2-0,Edge]

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	0.60	Vert(LL)	-0.12	19-20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.21	19-20	>763	360		
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: 93 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	12=89/0-3-8, (min. 0-1-8), 15=1291/0-3-8, (min. 0-1-8), 20=636/Mechanical, (min. 0-1-8)
Max Uplift	12=-88 (LC 3)	
Max Grav	12=204 (LC 4), 15=1291 (LC 1), 20=650 (LC 10)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1875/0, 3-4=-1875/0, 4-5=-1875/0, 5-6=-1281/0, 6-7=0/962, 7-8=0/962, 8-9=0/962
BOT CHORD	19-20=0/1331, 18-19=0/1875, 17-18=0/1685, 16-17=0/840, 15-16=0/840
WEBS	7-15=-275/0, 6-15=-1750/0, 2-20=-1426/0, 6-17=0/603, 2-19=0/595, 5-17=-565/0, 5-18=0/465, 9-15=-951/0, 10-12=-246/303

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - All plates are 1.5x3 MT20 unless otherwise indicated.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 12.
  - 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.
  - CAUTION, Do not erect truss backwards.



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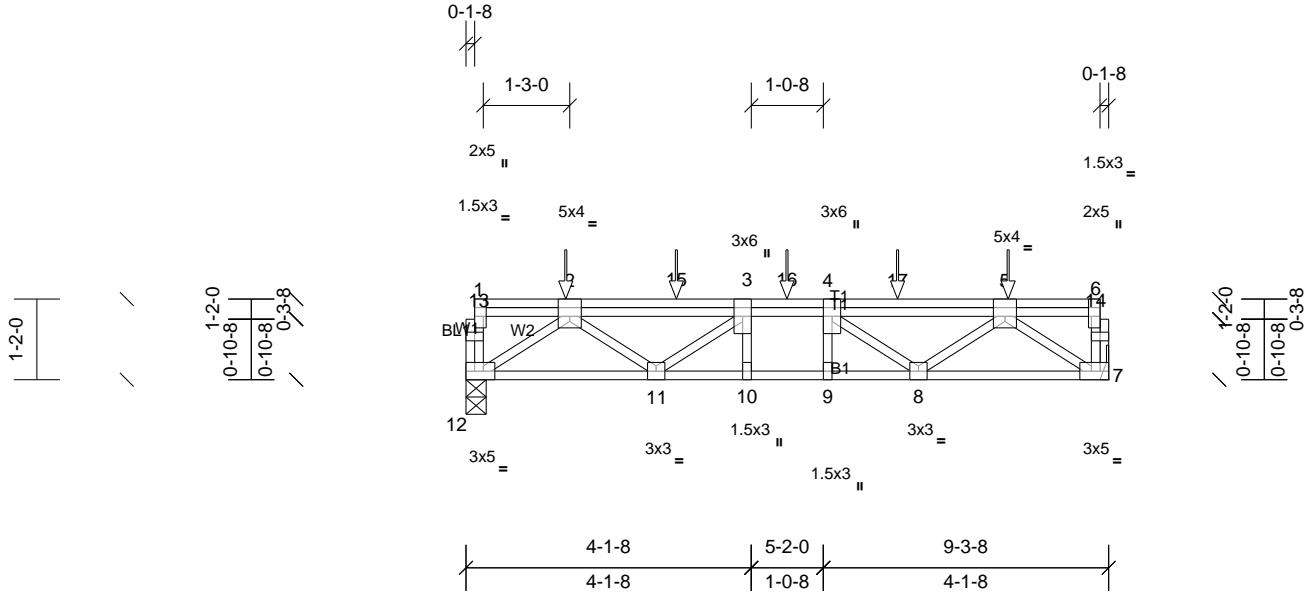
Job 72433237	Truss 2FG1	Truss Type Truss	Qty 1	Ply 1	PBS/GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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UFPI Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Scale = 1:33.5

Plate Offsets (X, Y): [2:0-2-0,Edge], [5:0-2-0,Edge], [6:Edge,0-1-8], [7:0-2-0,Edge], [12:0-2-0,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	0.22	Vert(LL)	-0.03	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.41	Vert(CT)	-0.04	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 61 lb	FT = 20%F, 11%E

LUMBER	BRACING
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

**REACTIONS** (lb/size) 7=432/ Mechanical, (min. 0-1-8), 12=432/0-3-8, (min. 0-1-8)  
Max Grav 7=473 (LC 4), 12=473 (LC 3)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-15=-815/0, 3-15=-815/0, 3-16=-1024/0, 4-16=-1024/0, 4-17=-815/0, 5-17=-815/0  
BOT CHORD 11-12=0/638, 10-11=0/1024, 9-10=0/1024, 8-9=0/1024, 7-8=0/637  
WEBS 5-7=-781/0, 2-12=-782/0, 5-8=0/388, 2-11=0/388, 4-8=-391/0, 3-11=-391/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - 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.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 67 lb down and 84 lb up at 1-5-5, 67 lb down and 84 lb up at 3-0-8, 67 lb down and 84 lb up at 4-7-11, and 67 lb down and 84 lb up at 6-2-14, and 67 lb down and 84 lb up at 7-10-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00  
Uniform Loads (lb/ft)  
Vert: 7-12=-8, 1-6=-80  
Concentrated Loads (lb)  
Vert: 5=-16, 2=-16, 15=-16, 16=-16, 17=-16



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Job 72433237	Truss 2FG2	Truss Type Truss	Qty 1	Ply 1	PBS/GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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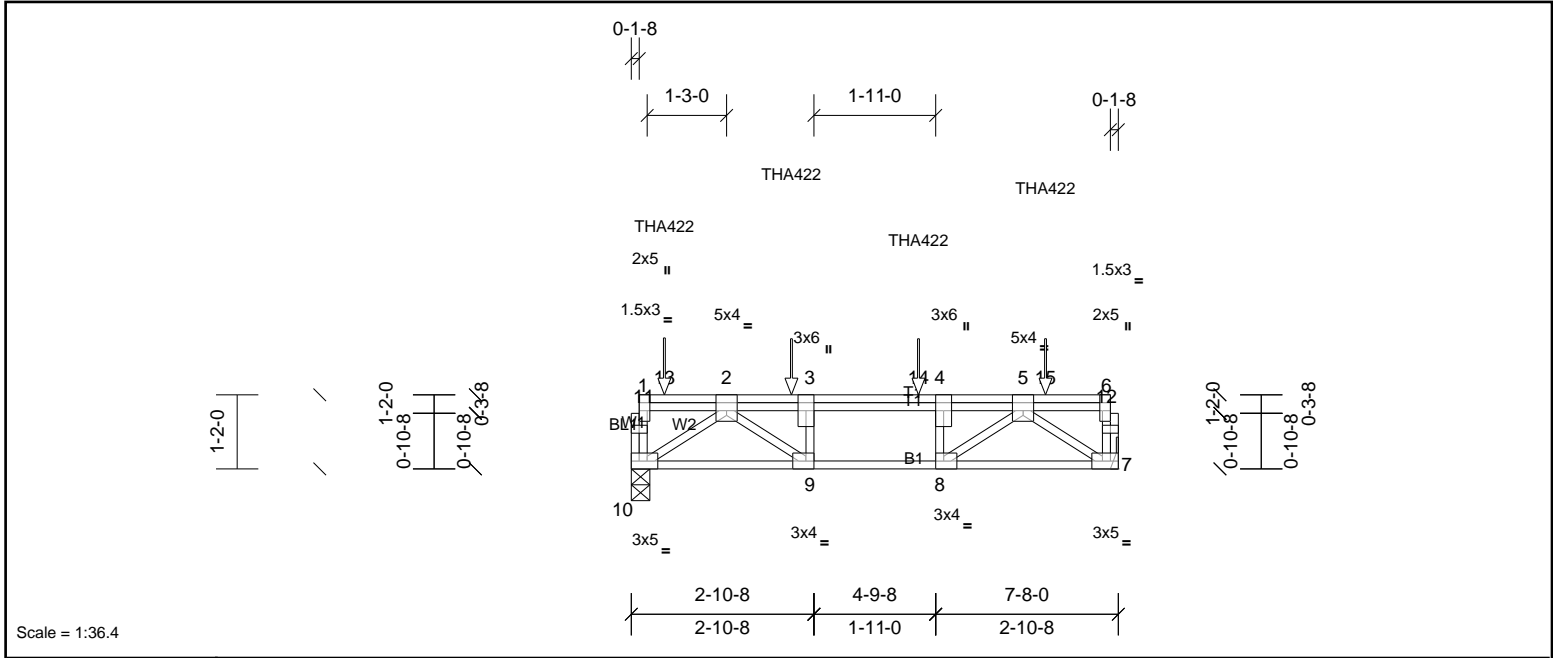


Plate Offsets (X, Y): [2:0-2-0,Edge], [4:0-3-0,Edge], [5:0-2-0,Edge], [6:0-3-0,Edge], [7:0-2-0,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge], [10:0-2-0,Edge]

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	0.30	Vert(LL)	-0.03	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.04	7-8	>999	360		
BCLL	0.0	Rep Stress Incr		NO	0.41	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 49 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	7=718/ Mechanical, (min. 0-1-8), 10=789/0-3-8, (min. 0-1-8)
	Max Grav	7=744 (LC 4), 10=868 (LC 3)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1356/0, 3-14=-1356/0, 4-14=-1356/0, 4-5=-1356/0
BOT CHORD	9-10=0/883, 8-9=0/1356, 7-8=0/880
WEBS	5-7=-1072/0, 2-10=-1066/0, 5-8=0/866, 2-9=0/791, 3-9=-429/0, 4-8=-483/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - 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.
  - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-6-4 from the left end to 6-6-4 to connect truss(es) to front face of top chord.
  - Fill all nail holes where hanger is in contact with lumber.
  - 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=-10, 1-6=-100
	Concentrated Loads (lb)
	Vert: 3=-167 (F), 13=-200 (F), 14=-167 (F), 15=-169 (F)



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Job 72433237	Truss 2FG3	Truss Type Truss	Qty 1	Ply 1	PBS/GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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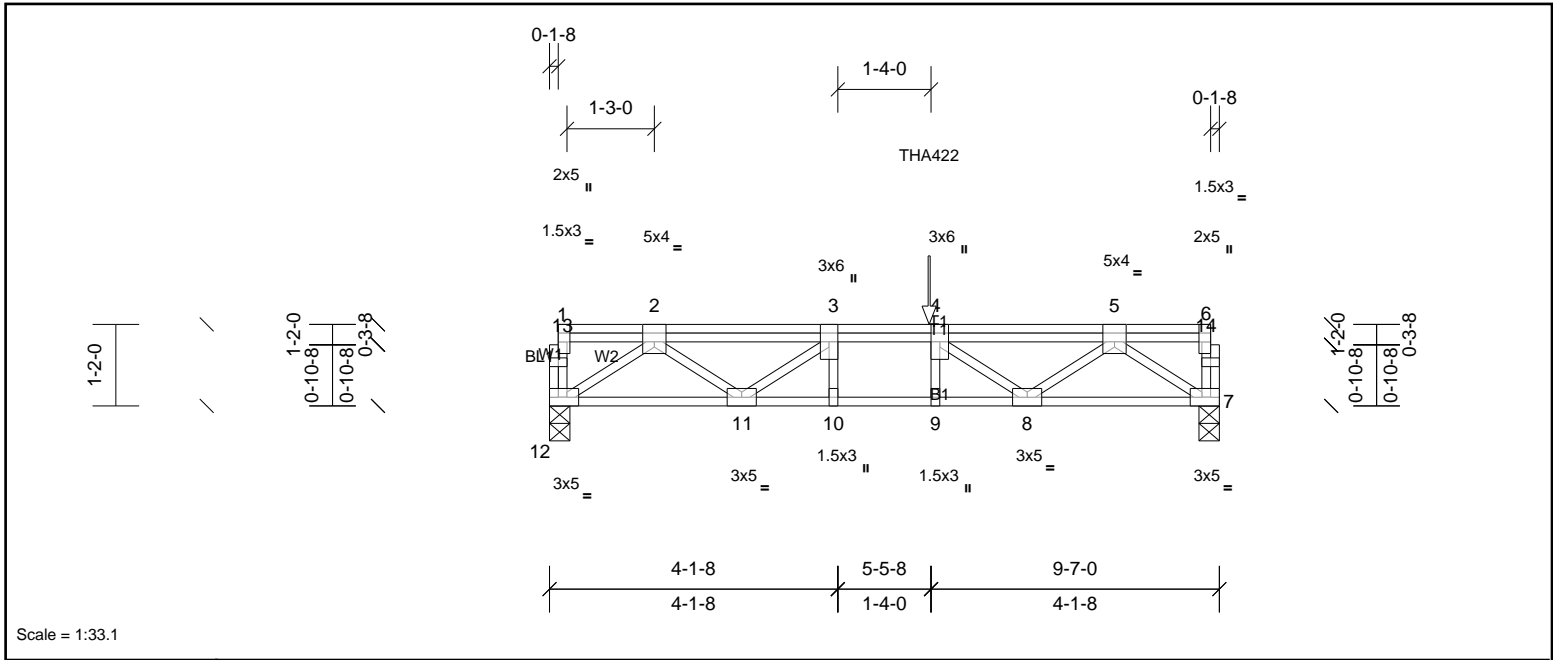


Plate Offsets (X, Y): [2:0-2-0,Edge], [5:0-2-0,Edge], [6:0-3-0,Edge], [7:0-2-0,Edge], [12:0-2-0,Edge]

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	0.49	Vert(LL)	-0.07	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.10	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 62 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	7=880/0-3-8, (min. 0-1-8), 12=779/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		2-3=-1702/0, 3-4=-2490/0, 4-5=-1887/0
BOT CHORD		11-12=0/975, 10-11=0/2490, 9-10=0/2490, 8-9=0/2490, 7-8=0/1215
WEBS		5-7=-1491/0, 2-12=-1191/0, 5-8=0/898, 2-11=0/976, 4-8=-813/0, 3-11=-1073/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - 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.
  - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 5-5-3 from the left end to connect truss(es) to back face of top chord.
  - Fill all nail holes where hanger is in contact with lumber.
  - 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

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00  
Uniform Loads (lb/ft)  
Vert: 7-12=-10, 1-6=-100  
Concentrated Loads (lb)  
Vert: 4=-644 (B)



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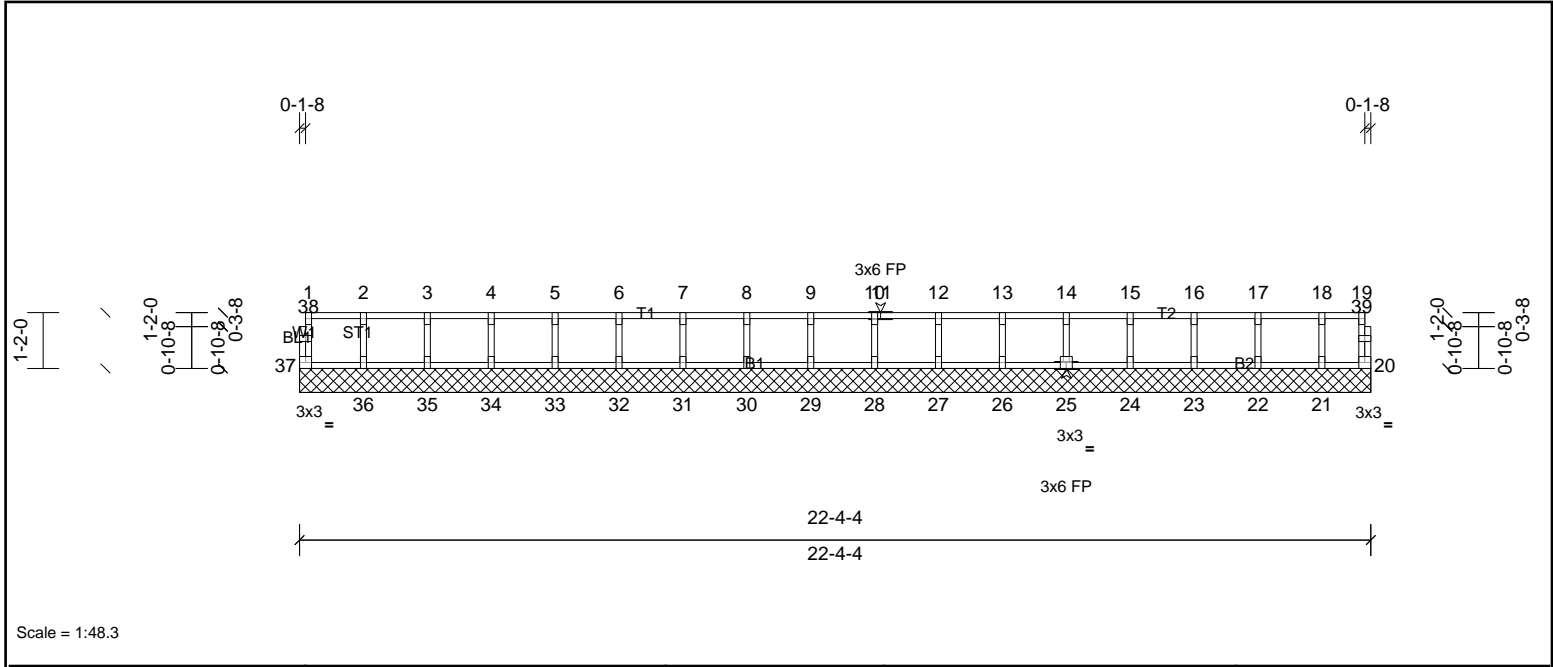
Job 72433237	Truss 2KW1	Truss Type Truss	Qty 1	Ply 1	PBS\GUILFORD FRENCH COUNTRY RH 2ND Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Scale = 1:48.3

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)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 93 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

**REACTIONS** All bearings 22-4-4.  
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37

**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.



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