

Job 72514377	Truss F200	Truss Type Truss	Qty 10	Ply 1	MUNGO HOMES-TURNER 2ND FLOOR Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:18

Page: 1

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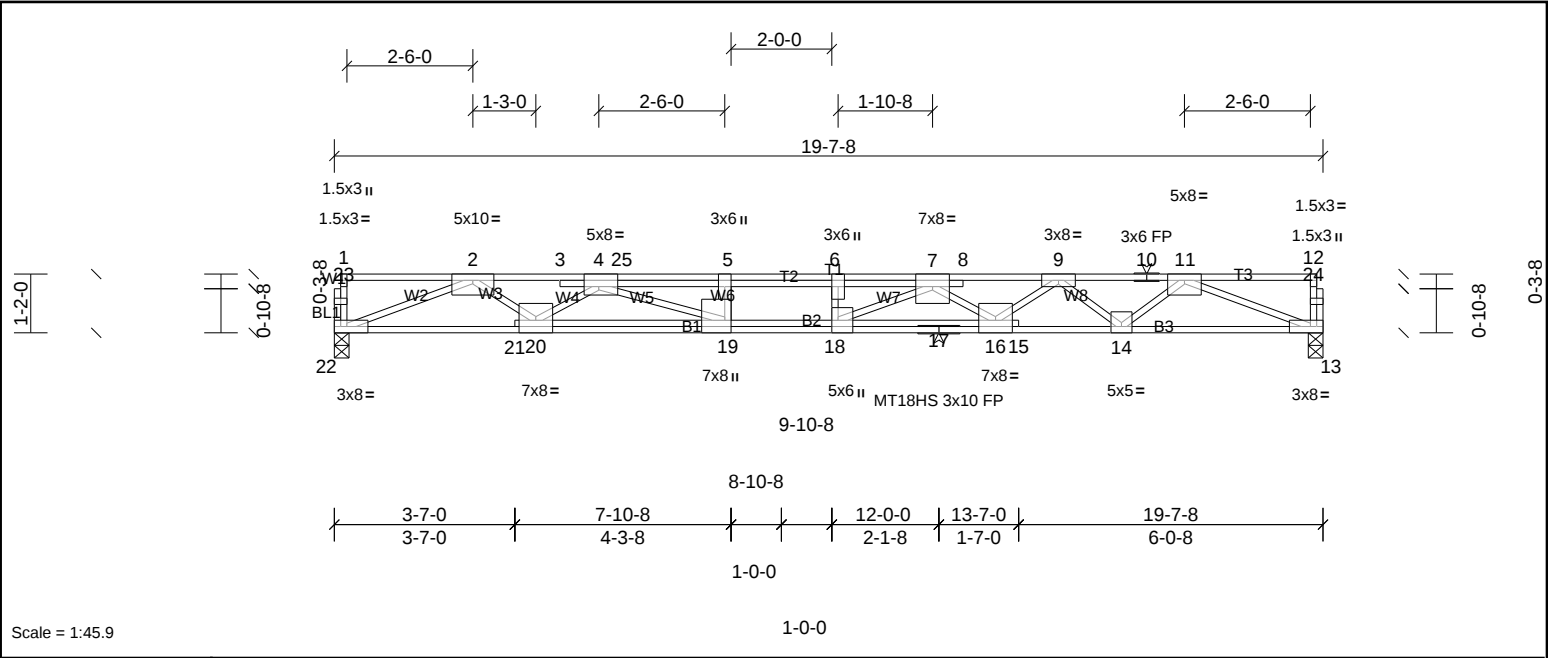


Plate Offsets (X, Y): [4:0-3-8,Edge], [6:0-3-0,Edge], [18:0-3-0,Edge], [19:0-3-0,Edge]

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	0.82	Vert(LL)	-0.32	16-18	>716	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.61	16-18	>381	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.10	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 120 lb	FT = 20%F, 11%E

LUMBER				BRACING	
TOP CHORD	2x4 SP SS(flat)			TOP CHORD	Structural wood sheathing directly applied or 4-8-9 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(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)	13=1301/0-3-8, (min. 0-1-8), 22=1507/0-3-8, (min. 0-1-8)
FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD		2-3=-4691/0, 3-4=-4695/0, 4-25=-7896/0, 5-25=-7896/0, 5-6=-7896/0, 6-7=-7896/0, 7-8=-6005/0, 8-9=-6016/0, 9-10=-4006/0, 10-11=-4006/0
BOT CHORD		21-22=0/3375, 20-21=0/3342, 19-20=0/6099, 18-19=0/7896, 17-18=0/6996, 16-17=0/6996, 15-16=0/5034, 14-15=0/5073, 13-14=0/2960
WEBS		5-19=-530/0, 6-18=-463/0, 2-22=-3620/0, 2-20=0/1672, 4-20=-1746/0, 4-19=0/2058, 11-13=-3178/0, 11-14=0/1361, 9-14=-1389/0, 9-16=0/1197, 7-16=-1215/0, 7-18=0/1398

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - 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.
 - Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 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.
- LOAD CASE(S)** Standard
- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 13-22=-10, 1-25=-140, 7-25=-176, 7-12=-100



Job 72514377	Truss F201	Truss Type Truss	Qty 2	Ply 1	MUNGO HOMES-TURNER 2ND FLOOR Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:15
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Page: 1

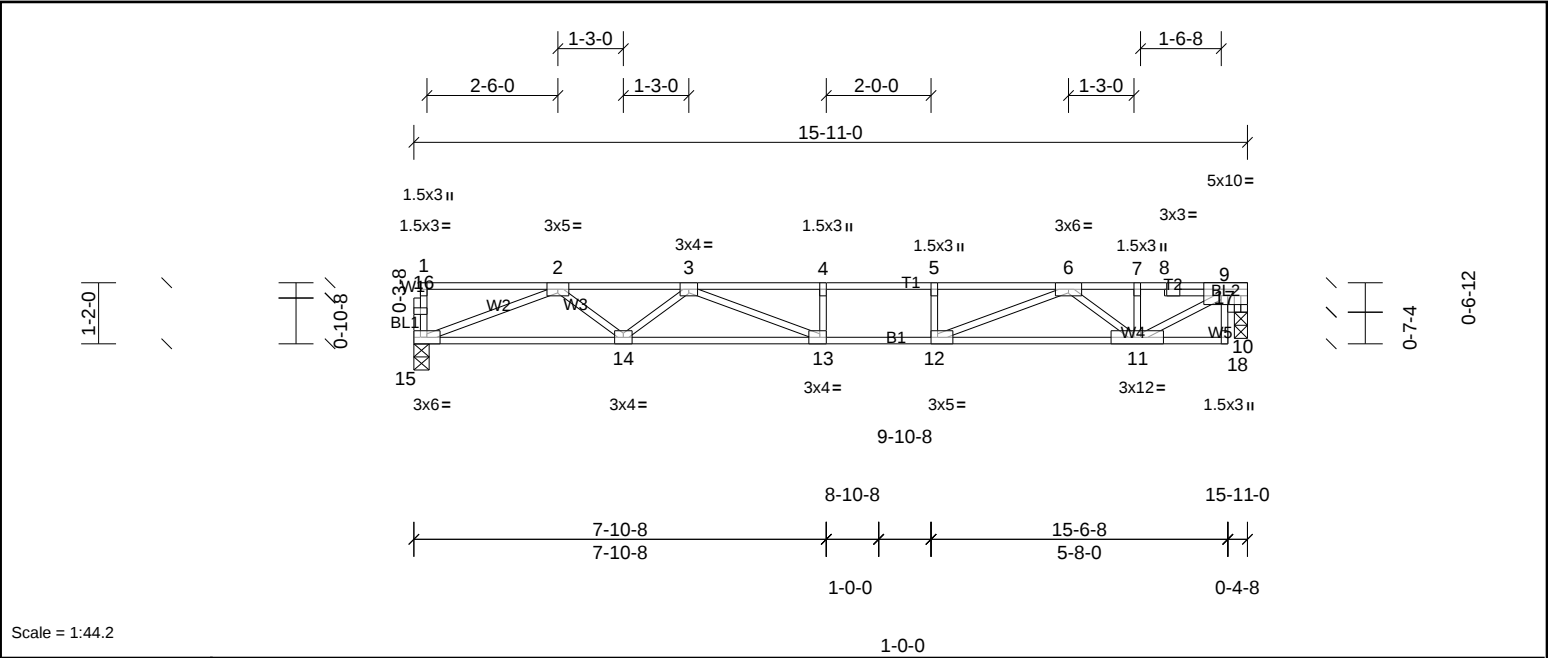


Plate Offsets (X, Y): [9:0-4-0,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge]

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	0.96	Vert(LL)	-0.33	13-14	>562	480	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.44	13-14	>423	360	
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.04	18	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							
										Weight: 79 lb	FT = 20%F, 11%E

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

REACTIONS (lb/size) 15=852/0-3-8, (min. 0-1-8), 18=831/0-3-0, (min. 0-1-8)

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

TOP CHORD 2-3=-2399/0, 3-4=-3139/0, 4-5=-3139/0, 5-6=-3139/0, 6-7=-1382/0, 7-8=-1382/0, 8-9=-1384/0

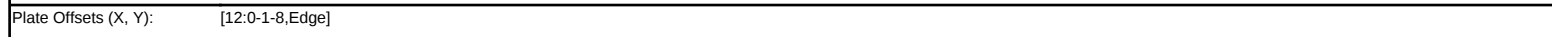
BOT CHORD 14-15=0/1847, 13-14=0/2876, 12-13=0/3139, 11-12=0/2123

WEBS 5-12=-320/0, 2-15=-1981/0, 2-14=0/718, 3-14=-620/0, 3-13=-50/626, 9-11=0/1434, 6-11=-945/0, 6-12=0/1194, 9-18=-926/0

- NOTES
- Unbalanced floor live loads have been considered for this design.
 - The Fabrication Tolerance at joint 9 = 3%, joint 9 = 3%
 - Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
 - 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.
 - 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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LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.3(flat)		2-2-0 oc bracing: 11-12.
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size) 9=855/0-3-8, (min. 0-1-8), 14=855/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2411/0, 3-4=-3175/0, 4-5=-3175/0, 5-6=-3175/0, 6-7=-2371/0
BOT CHORD	13-14=0/1856, 12-13=0/2893, 11-12=0/3175, 10-11=0/2895, 9-10=0/1850
WEBS	5-11=-455/0, 2-14=-1990/0, 2-13=0/722, 3-13=-627/0, 3-12=-11/618, 7-9=-1984/0, 7-10=0/678, 6-10=-682/0, 6-11=0/755

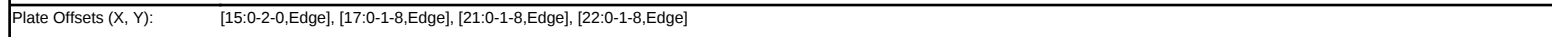
NOTES

- 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.



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LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.3(flat)		6-0-0 oc bracing: 17-18.
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	15=517/0-3-8, (min. 0-1-8), 18=1492/0-3-8, (min. 0-1-8), 24=807/0-3-8, (min. 0-1-8)
	Max Grav	15=592 (LC 4), 18=1492 (LC 1), 24=817 (LC 10)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		2-3=-2276/0, 3-4=-2847/0, 4-5=-2847/0, 5-6=-2847/0, 6-7=-1282/0, 7-8=0/778, 8-9=0/778, 9-10=0/778, 10-11=-877/0, 11-27=-877/0, 12-27=-877/0, 12-13=-877/0
BOT CHORD		23-24=0/1761, 22-23=0/2707, 21-22=0/2847, 20-21=0/2016, 19-20=0/2016, 18-19=0/551, 17-18=-293/408, 16-17=0/877, 15-16=0/637
WEBS		5-21=-336/0, 11-17=-397/0, 2-24=-1888/0, 2-23=0/670, 3-23=-561/0, 3-22=-106/441, 7-18=-1387/0, 7-19=0/970, 6-19=-986/0, 6-21=0/1045, 10-18=-831/0, 10-17=0/824, 13-15=-793/0, 13-16=-104/306

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) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 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.

LOAD CASE(S)

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 15-24=-10, 1-27=-100, 14-27=-176



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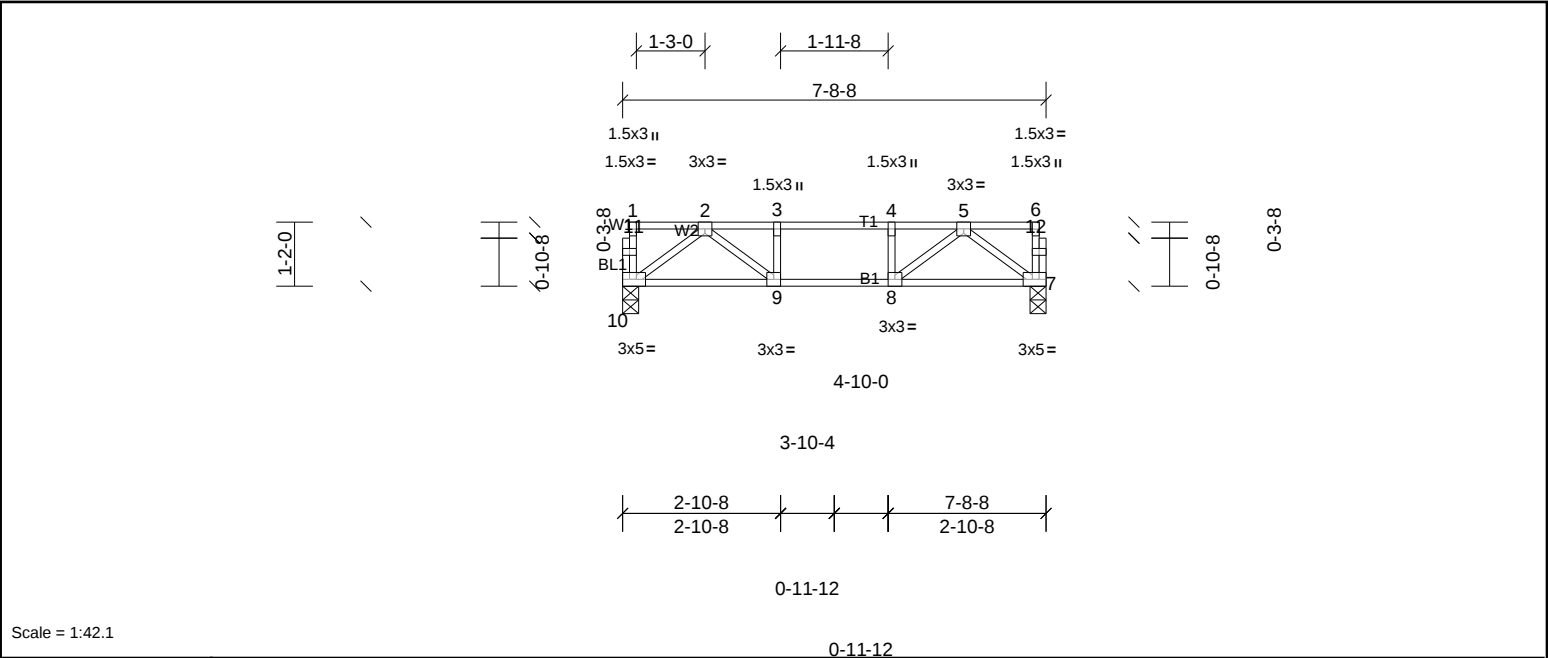
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-TURNER 2ND FLOOR
72514377	F204	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:20

Page: 1

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Scale = 1:42.1

Plate Offsets (X, Y): [7:0-2-0,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	0.38	Vert(LL)	-0.03	9-10	>999	480	MT20	244/190
TCDL	48.0	Lumber DOL	1.00	BC	0.39	Vert(CT)	-0.05	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 39 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=683/0-3-8, (min. 0-1-8), 10=683/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1192/0, 3-4=-1192/0, 4-5=-1192/0	
BOT CHORD	9-10=0/760, 8-9=0/1192, 7-8=0/760	
WEBS	3-9=-324/0, 4-8=-324/0, 2-10=-946/0, 2-9=0/595, 5-7=-946/0, 5-8=0/595	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - 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.
 - 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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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	0.75	Vert(LL)	-0.18	9-10	>752	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.29	9-10	>480	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TP12014	Matrix-SH							Weight: 56 lb	FT = 20%F, 11%E

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.

TOP CHORD	2-3=-1690/0, 3-4=-1690/0, 4-5=-1690/0
BOT CHORD	9-10=0/1256, 8-9=0/1690, 7-8=0/1260
WEBS	4-8=-291/0, 2-10=-1345/0, 2-9=0/592, 5-7=-1349/0, 5-8=0/654

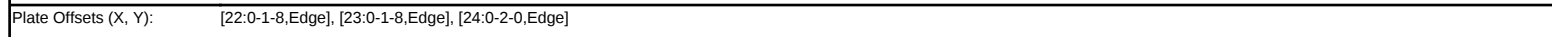
- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened 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.



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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:21 Page: 1
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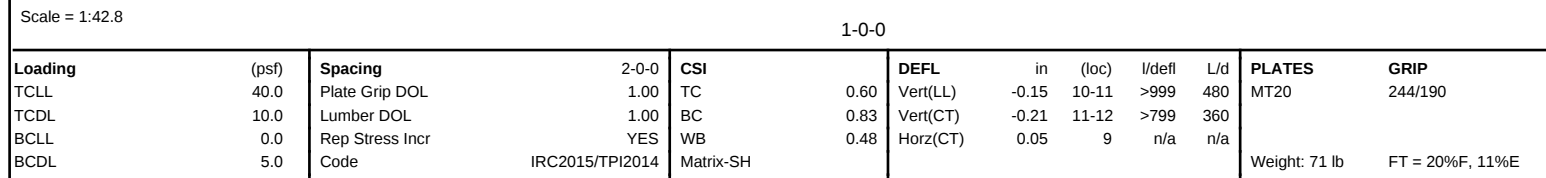


LUMBER		BRACING	
TOP CHORD	2x4 SP SS(flat)	TOP CHORD	2-0-0 oc purlins (6-0-0 max.): 1-14
BOT CHORD	2x4 SP SS(flat)		(Switched from sheeted: Spacing > 2-0-0).
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
OTHERS	2x4 SP No.3(flat)		6-0-0 oc bracing: 22-23,20-22.
REACTIONS	(lb/size)	15=1139/0-3-8, (min. 0-1-8), 20=1909/0-3-8, (min. 0-1-8), 24=535/0-3-8, (min. 0-1-8)	
	Max Grav	15=1161 (LC 7), 20=1909 (LC 1), 24=586 (LC 3)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-1396/90, 3-4=-1396/90, 4-5=-1396/90, 5-6=0/1340, 6-7=0/1340, 7-8=-2375/0, 8-9=-2375/0, 9-10=-3609/0, 10-11=-3609/0, 11-12=-3609/0, 12-13=-3128/0		
BOT CHORD	23-24=0/1153, 22-23=-90/1396, 21-22=-484/794, 20-21=-484/794, 19-20=0/1557, 18-19=0/3209, 17-18=0/3609, 16-17=0/3629, 15-16=0/2540		
WEBS	4-22=-430/0, 6-20=-327/0, 10-18=-786/0, 2-24=-1234/0, 2-23=-193/262, 5-20=-1592/0, 5-22=0/951, 7-20=-2652/0, 7-19=0/1119, 9-19=-1173/0, 9-18=0/1112, 13-15=-2724/0, 13-16=0/765, 12-16=-651/0, 12-17=-265/199		

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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. Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD	2x4 SP No.2(flat)		
WEBS	2x4 SP No.3(flat)	BOT CHORD	
OTHERS	2x4 SP No.3(flat)		
REACTIONS	(lb/size)	9=766/0-3-8, (min. 0-1-8), 14=766/0-3-8, (min. 0-1-8)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-2052/0, 3-4=-2557/0, 4-5=-2557/0, 5-6=-2557/0, 6-7=-2055/0		
BOT CHORD	13-14=0/1630, 12-13=0/2438, 11-12=0/2557, 10-11=0/2428, 9-10=0/1632		
WEBS	4-12=-375/23, 2-14=-1747/0, 2-13=0/548, 3-13=-503/0, 3-12=-75/536, 7-9=-1749/0, 7-10=0/551, 6-10=-485/0, 6-11=-68/448		

- 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.



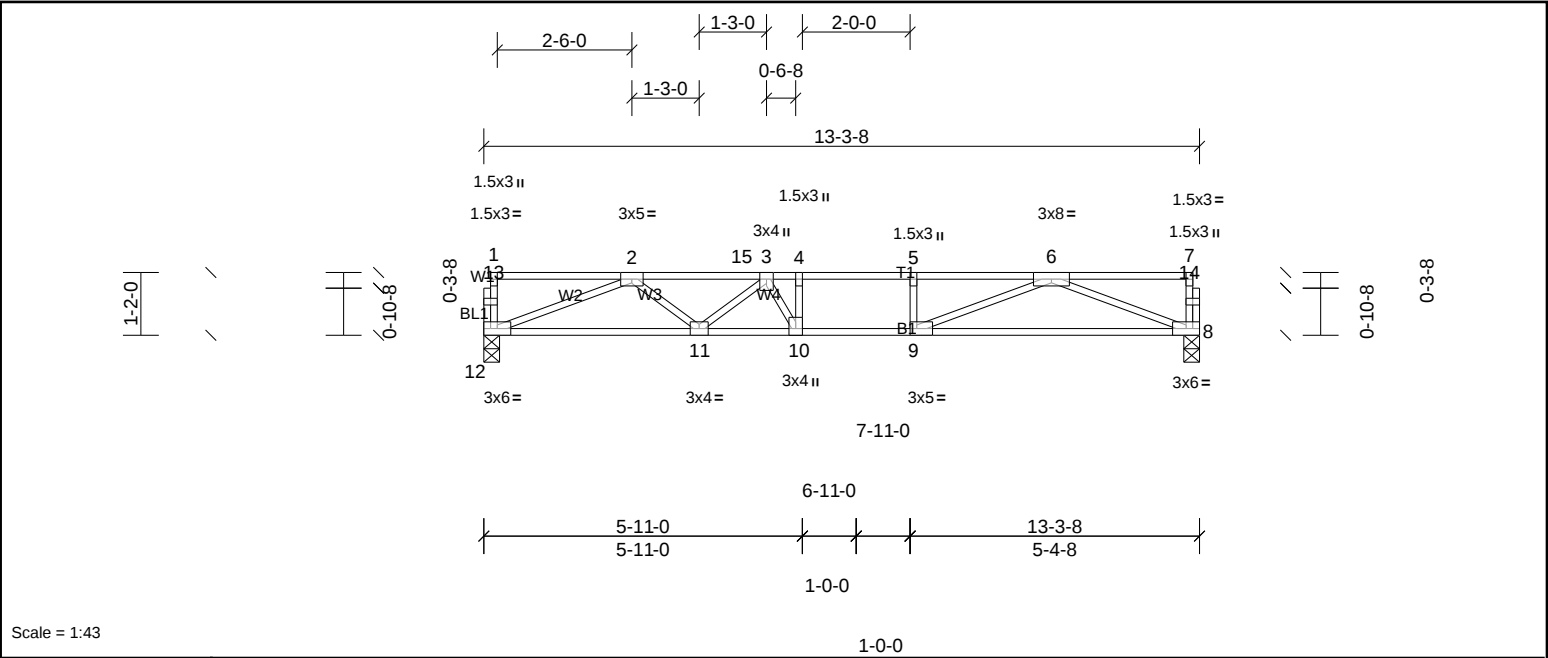
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Job 72514377	Truss F208	Truss Type Truss	Qty 3	Ply 1	MUNGO HOMES-TURNER 2ND FLOOR Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:27
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Page: 1



Scale = 1:43

Plate Offsets (X, Y): [9:0-1-8,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	0.81	Vert(LL)	-0.13	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.30	8-9	>527	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.05	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 65 lb	FT = 20%F, 11%E

LUMBER	BRACING
TOP CHORD 2x4 SP No.1(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)	8=1138/0-3-8, (min. 0-1-8), 12=915/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-15=-2601/0, 3-15=-2601/0, 3-4=-3366/0, 4-5=-3366/0, 5-6=-3366/0	
BOT CHORD	11-12=0/2004, 10-11=0/3167, 9-10=0/3366, 8-9=0/2364	
WEBS	4-10=-549/0, 5-9=-374/0, 2-12=-2149/0, 2-11=0/777, 3-11=-737/0, 3-10=0/742, 6-8=-2532/0, 6-9=0/1150	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - 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.
 - Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 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.

LOAD CASE(S)	Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (lb/ft)	
Vert: 8-12=-10, 1-15=-100, 7-15=-176	



Job 72514377	Truss F209	Truss Type Truss	Qty 11	Ply 1	MUNGO HOMES-TURNER 2ND FLOOR Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:27
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Page: 1

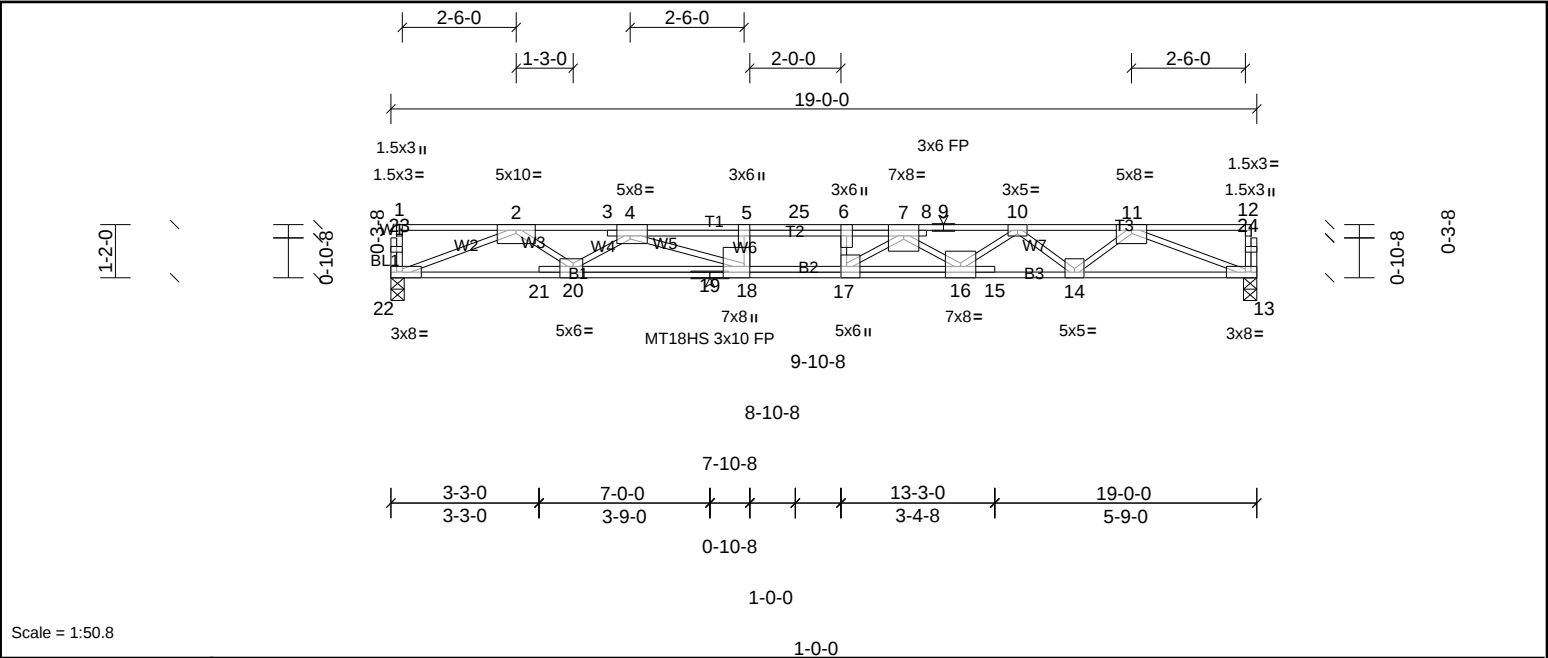


Plate Offsets (X, Y): [4:0-3-8,Edge], [6:0-3-0,Edge], [17:0-3-0,Edge], [18:0-3-0,Edge], [20:0-2-8,Edge]

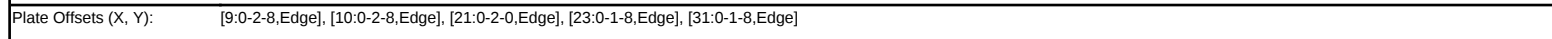
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.28	16-17	>802	480	MT18HS 244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.56	16-17	>405	360	MT20 244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.09	13	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 115 lb FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP SS(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-10-1 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(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)	13=1441/0-3-8, (min. 0-1-8), 22=1436/0-3-8, (min. 0-1-8)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-4409/0, 3-4=-4403/0, 4-5=-7406/0, 5-25=-7406/0, 6-25=-7406/0, 6-7=-7406/0, 7-8=-6082/0, 8-9=-6100/0, 9-10=-6100/0, 10-11=-4240/0		
BOT CHORD	21-22=0/3209, 20-21=0/3201, 19-20=0/5687, 18-19=0/5687, 17-18=0/7406, 16-17=0/6909, 15-16=0/5295, 14-15=0/5308, 13-14=0/3208		
WEBS	5-18=-493/0, 6-17=-435/0, 2-22=-3442/0, 2-20=0/1525, 4-20=-1584/0, 4-18=0/1971, 11-13=-3442/0, 11-14=0/1343, 10-14=-1390/0, 10-16=0/1006, 7-16=-1004/0, 7-17=0/961		

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - 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.
 - Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 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.
- LOAD CASE(S)** Standard
- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 13-22=-10, 1-25=-140, 7-25=-176, 7-12=-140



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:25 Page: 1
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LUMBER			BRACING	
TOP CHORD	2x4 SP SS(flat)		TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing.
BOT CHORD	2x4 SP SS(flat)			
WEBS	2x4 SP No.3(flat)		BOT CHORD	
OTHERS	2x4 SP No.3(flat)			
REACTIONS	(lb/size)	21=290/0-3-8, (min. 0-1-8), 25=2696/0-3-8, (min. 0-1-8), 33=983/0-3-8, (min. 0-1-8)		
	Max Uplift	21=-119 (LC 3)		
	Max Grav	21=435 (LC 4), 25=2696 (LC 1), 33=1008 (LC 3)		

FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2952/0, 3-4=-4426/0, 4-5=-4426/0, 5-6=-4426/0, 6-7=-4144/0, 7-8=-4144/0, 8-9=-4135/0, 9-10=-3241/0, 10-11=-742/0, 11-12=0/3587, 12-13=0/3597, 13-14=0/3596, 14-15=0/2138, 15-16=0/2138, 16-17=-757/949, 17-18=-757/949, 18-19=-757/949	
BOT CHORD	32-33=0/2230, 31-32=0/3630, 30-31=0/4426, 29-30=0/4372, 28-29=0/3855, 27-28=0/2596, 26-27=0/2596, 25-26=-1378/0, 24-25=-2569/0, 23-24=-1643/238, 22-23=-949/757, 21-22=-416/775	
WEBS	4-31=-274/0, 5-30=-373/115, 13-25=-273/0, 17-23=-554/0, 18-22=-7/292, 2-32=0/940, 9-28=-834/0, 3-32=-882/0, 3-31=0/1025, 10-26=-2353/0, 10-28=0/877, 9-29=0/412, 14-24=0/1004, 16-24=-1089/0, 16-23=0/1217, 19-21=-827/448, 19-22=-651/0, 2-33=-2393/0, 11-25=-2691/0, 14-25=-1408/0, 11-26=0/2177, 6-29=-407/0, 6-30=-259/561	

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 21.
 - 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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
 - 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.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 21-33=-10, 1-20=-100

Concentrated Loads (lb)

Vert: 10=-600



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 SBCE and Truss Plant Institute.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-TURNER 2ND FLOOR
72514377	FG2	Truss	2	1	Job Reference (optional)

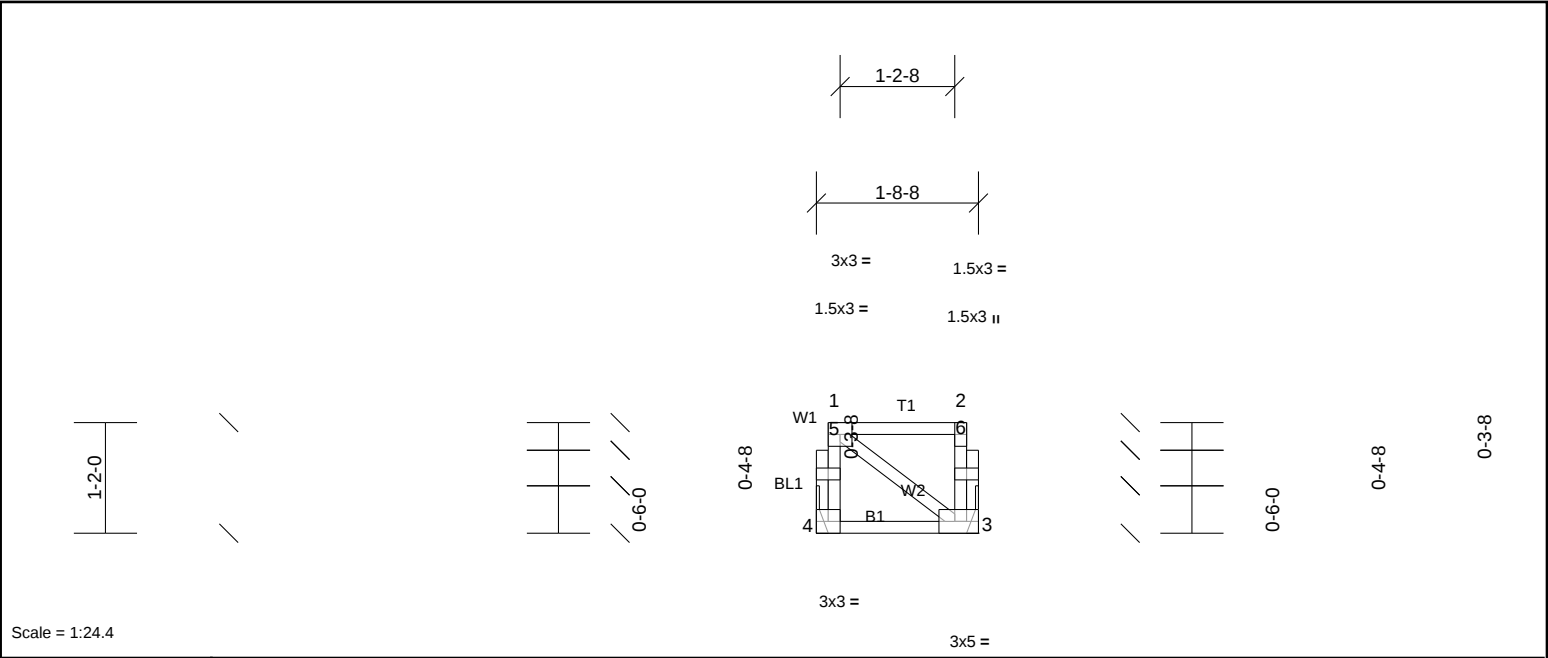


Plate Offsets (X, Y): [3:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.84	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: 12 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 1-8-8 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) 3=382/ Mechanical, 4=382/ Mechanical

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

TOP CHORD 4-5=-375/0, 1-5=-375/0, 3-6=-375/0, 2-6=-375/0

- NOTES**
- 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.
 - Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
 - 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.

LOAD CASE(S) Standard

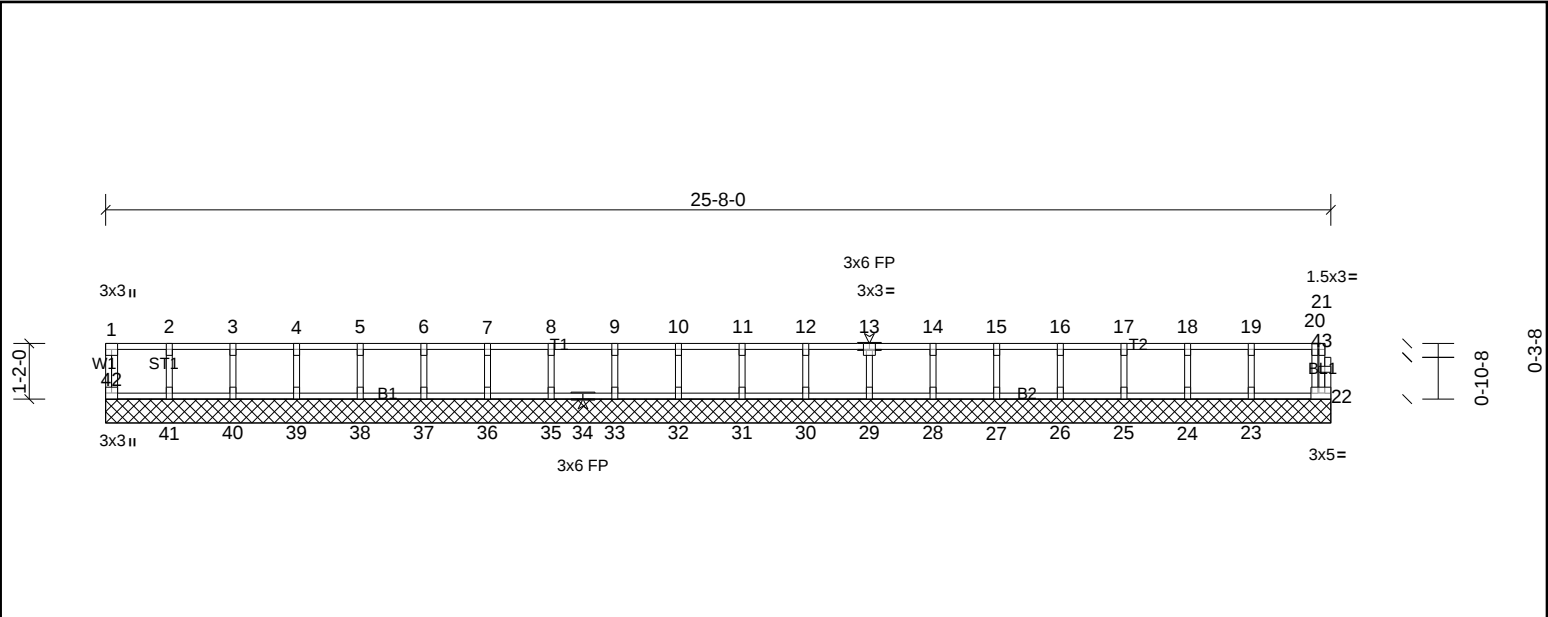
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 3-4=-10, 1-2=-562



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-TURNER 2ND FLOOR
72514377	K200	Truss	1	1	Job Reference (optional)

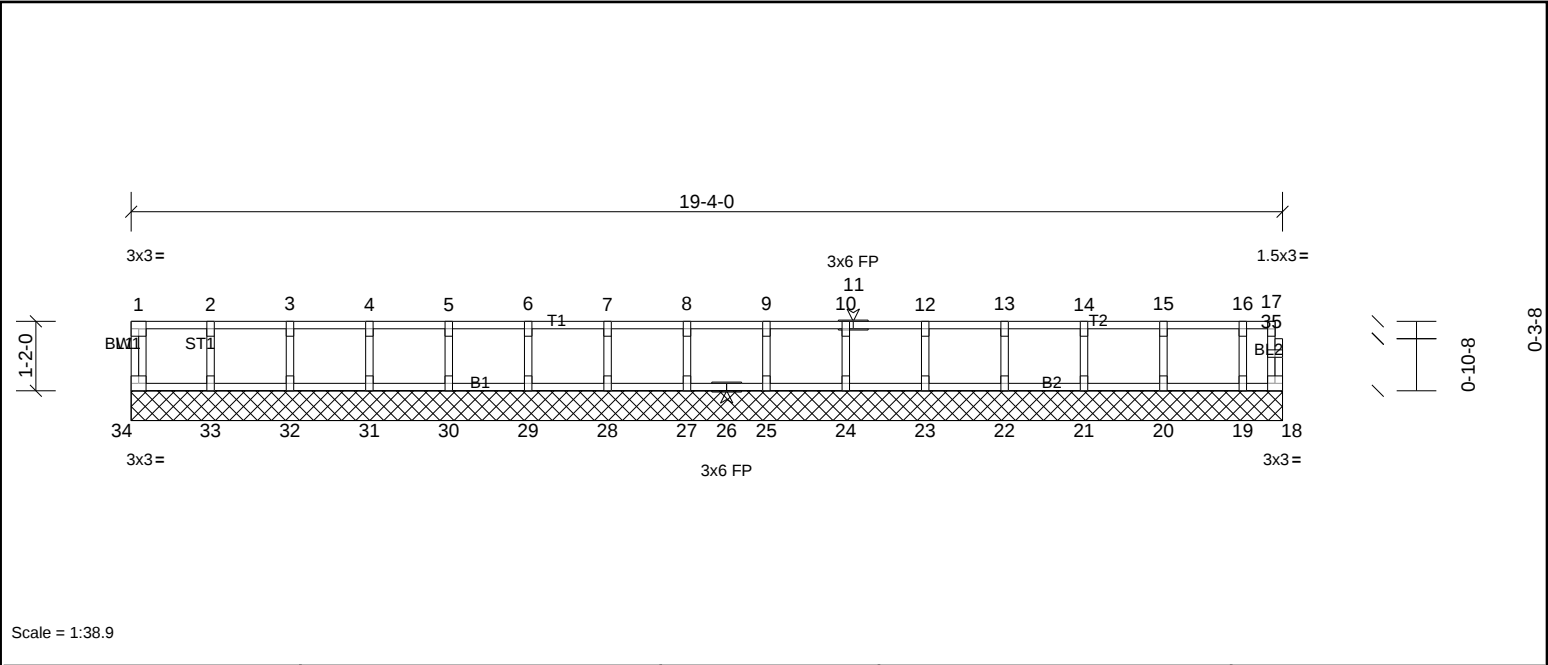


Scale = 1:48.5												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	22	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 107 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" oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.
- REACTIONS**
All bearings 25'-8".
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42
- FORCES**
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- NOTES**
1) All plates are 1.5x3 (I) 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" 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'-0" 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	MUNGO HOMES-TURNER 2ND FLOOR
72514377	K201	Truss	1	1	Job Reference (optional)

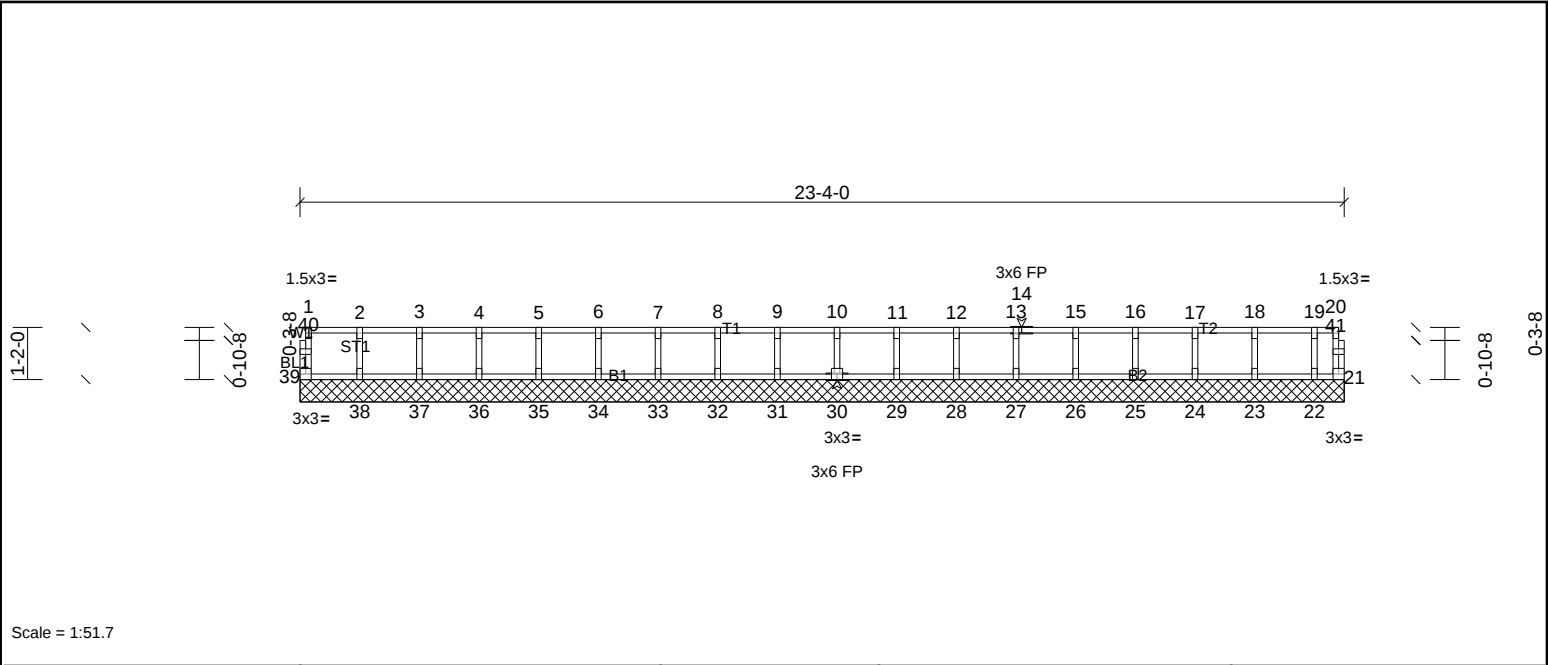


Loading	(psf)	Spacing	2'-0'-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 82 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" oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
REACTIONS	All bearings 19'-4"-0.		
	(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
NOTES			
1)	All plates are 1.5x3 (J) 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'-0"-0 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	MUNGO HOMES-TURNER 2ND FLOOR
72514377	K202	Truss	1	1	Job Reference (optional)



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	21	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 97 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.

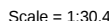
REACTIONS
All bearings 23-4-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39

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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:25 Page: 1
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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. Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD	2x4 SP No.2(flat)		
WEBS	2x4 SP No.3(flat)	BOT CHORD	
OTHERS	2x4 SP No.3(flat)		

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	2-15=-255/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 (1) MT20 unless otherwise indicated.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 14.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 8) 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 SBCE and Truss Plate Institute.



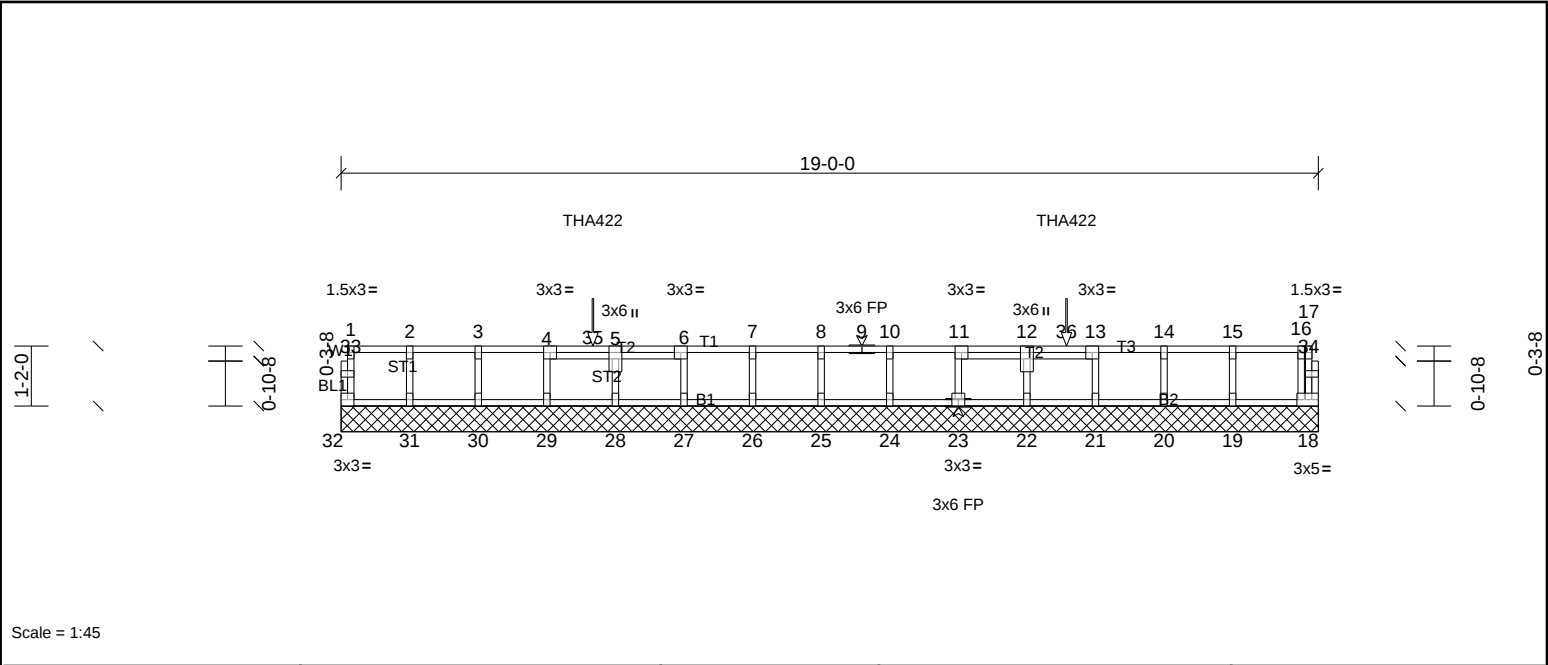
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-TURNER 2ND FLOOR
72514377	K204	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon May 19 14:46:26

Page: 1

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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	0.18	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	NO	WB	0.09	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 87 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 19-0-0.
(lb) - Max Grav	All reactions 250 (lb) or less at joint(s) 18, 19, 20, 23, 24, 25, 26, 27, 29, 30, 31, 32 except 21=318 (LC 1), 22=317 (LC 1), 28=398 (LC 1)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	5-28=-384/0, 12-22=-303/0, 13-21=-304/0

- NOTES**
- All plates are 1.5x3 (II) MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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.
 - 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 9-2-8 oc max. starting at 4-10-12 from the left end to 14-1-4 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: 18-32=-10, 1-17=-100
Concentrated Loads (lb)
Vert: 35=-303 (B), 36=-303 (B)

