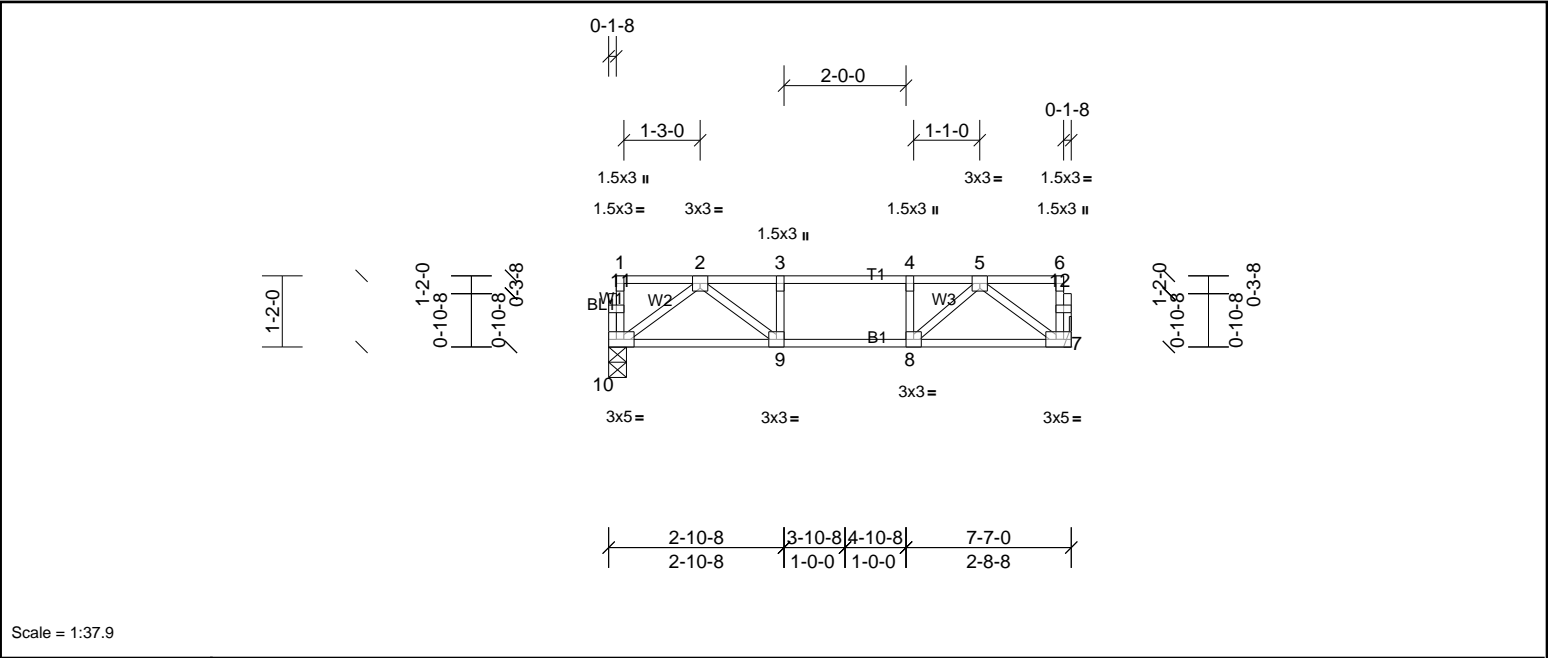




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	F202	Truss	1	1	Job Reference (optional)



Scale = 1:37.9

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	0.33	Vert(LL)	-0.03	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.04	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	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=397/ Mechanical, (min. 0'-1'-8), 10=397/0'-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=-680/0, 3-4=-680/0, 4-5=-680/0  
BOT CHORD 9-10=0/437, 8-9=0/680, 7-8=0/437  
WEBS 2-10=-544/0, 2-9=0/355, 5-7=-544/0, 5-8=0/375

- 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'-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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:53 Page: 1  
ID:FogodrQdAJ2S4tDz1dGQAyyE?Sn-Daf?m3w92\_m9GMH\_PiHVAL?WZobQQamc7fN4FzzdMOS

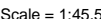


Plate Offsets (X, Y):	[14:0-2-0,Edge], [15:0-1-8,Edge], [22:0-2-0,Edge]
-----------------------	---

<b>LUMBER</b>		<b>BRACING</b>	
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.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 19-20.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
<b>REACTIONS</b>	(lb/size)	14=681/0-3-8, (min. 0-1-8), 19=1483/0-3-8, (min. 0-1-8), 22=535/0-3-8, (min. 0-1-8)	
	Max Grav	14=687 (LC 7), 19=1483 (LC 1), 22=607 (LC 3)	
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-924/0, 3-4=-924/0, 4-5=-924/0, 5-6=0/579, 6-7=0/590, 7-8=0/590, 8-9=-1550/0, 9-10=-2073/0, 10-11=-2073/0, 11-12=-2073/0		
BOT CHORD	21-22=0/659, 20-21=0/924, 19-20=-53/639, 18-19=0/1124, 17-18=0/1937, 16-17=0/1937, 15-16=0/2073, 14-15=0/1422		
WEBS	4-20=-701/0, 6-19=-318/0, 10-16=-289/0, 2-22=-820/0, 2-21=-30/338, 5-19=-936/0, 5-20=0/904, 12-14=-1523/0, 12-15=0/732, 8-19=-1680/0, 8-18=0/575, 9-18=-534/0, 9-16=-7/455		

- NOTES**

  - 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 1.5x3 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) 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.
  - 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: 14-22=-10, 1-6=-176, 6-13=-100



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-RUSSELL 2ND FLR
72500819	F204	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:53

Page: 1

ID:r1axiF0kt35eqFuBri7h64yE?S1-DAf?m3w92\_m9GMH\_PjHVAL?SQobVOVmc7fN4FzzdMOS

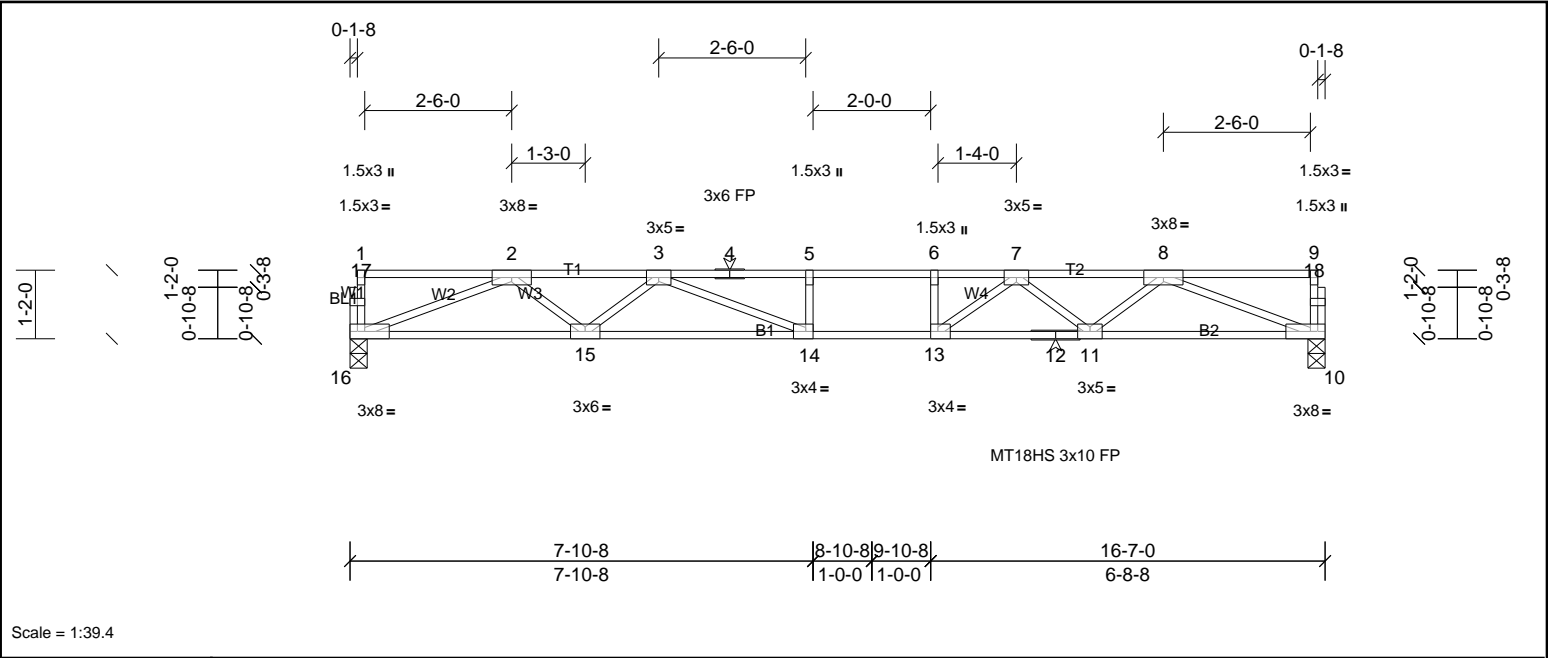
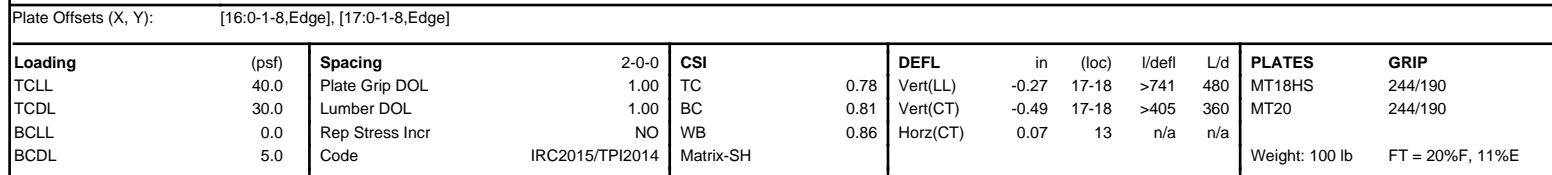


Plate Offsets (X, Y):												[13:0-1-8,Edge], [14:0-1-8,Edge]					
Loading		(psf)	Spacing		2-0-0	CSI		DEFL		in	(loc)	I/defl	L/d	PLATES		GRIP	
TCLL		40.0	Plate Grip DOL		1.00	TC		0.97		Vert(LL)		-0.27	14-15	>720	480	MT18HS 244/190	
TCDL		30.0	Lumber DOL		1.00	BC		0.72		Vert(CT)		-0.50	14-15	>391	360	MT20 244/190	
BCLL		0.0	Rep Stress Incr		YES	WB		0.78		Horz(CT)		0.07	10	n/a	n/a		
BCDL		5.0	Code		IRC2015/TPI2014	Matrix-SH										Weight: 80 lb FT = 20%F, 11%E	

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD	2x4 SP SS(flat)	BOT CHORD	
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
<b>REACTIONS</b>	(lb/size)	10=1216/0-3-8, (min. 0-1-8), 16=1216/0-3-8, (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=-3460/0, 3-4=-4734/0, 4-5=-4734/0, 5-6=-4734/0, 6-7=-4734/0, 7-8=-3415/0		
BOT CHORD	15-16=0/2658, 14-15=0/4189, 13-14=0/4734, 12-13=0/4165, 11-12=0/4165, 10-11=0/2654		
WEBS	5-14=-275/0, 6-13=-412/0, 2-16=-2850/0, 2-15=0/1044, 3-15=-950/0, 3-14=0/889, 8-10=-2846/0, 8-11=0/990, 7-11=-976/0, 7-13=0/959		
<b>NOTES</b>			
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.		



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:53 Page: 1  
ID:z4viZKaDoV0\_zU\_D54TIW\_yE?RI-Da?m3w92\_m9GMH\_PjHVAL?VQoa2OUXc7fN4FzzdMOS



<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3470/0, 3-4=-4759/0, 4-5=-4759/0, 5-6=-4759/0, 6-23=-3174/0, 7-23=-3174/0, 7-8=0/998, 8-9=0/998, 9-10=0/992
BOT CHORD	18-19=0/2664, 17-18=0/4205, 16-17=0/4759, 15-16=0/4003, 14-15=0/4003, 13-14=0/2339, 12-13=-477/0
WEBS	4-17=-278/0, 5-16=-435/0, 9-13=-324/0, 2-19=-2856/0, 2-18=0/1049, 3-18=-957/0, 3-17=0/895, 7-13=-3141/0, 7-14=0/1126, 6-14=-1129/0, 6-16=0/1224, 10-12=0/515, 10-13=-797/0

- 

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.

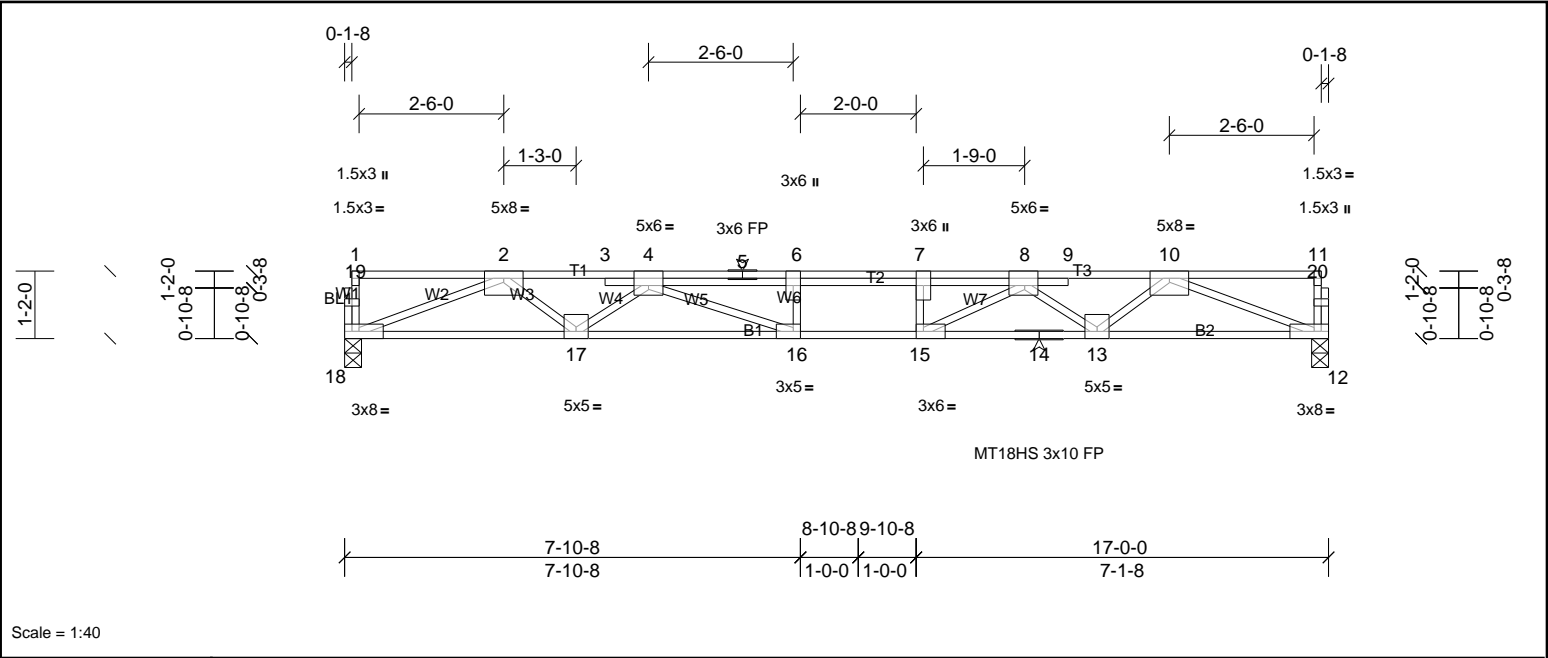
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	F206	Truss	6	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:54

Page: 1

ID:w?5J7e0kZYtl0k8Ce68zayE?Qk-hNDO\_Pxnolu0uWsAyQokiZYh3Bwx7xUIMl6eoPzdMOR



Scale = 1:40

Plate Offsets (X, Y): [4:0-3-0,Edge], [7:0-3-0,Edge], [8:0-2-12,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge]

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	0.72	Vert(LL)	-0.22	16-17	>934	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.46	16-17	>435	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.09	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 93 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-8-5 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)	12=1330/0-3-8, (min. 0-1-8), 18=1360/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-4028/0, 3-4=-4036/0, 4-5=-5943/0, 5-6=-5943/0, 6-7=-5943/0, 7-8=-5943/0, 8-9=-3887/0, 9-10=-3884/0	
BOT CHORD	17-18=0/2993, 16-17=0/5068, 15-16=0/5943, 14-15=0/4871, 13-14=0/4871, 12-13=0/2923	
WEBS	6-16=-395/0, 7-15=-621/0, 2-18=-3210/0, 2-17=0/1347, 4-17=-1321/0, 4-16=0/1206, 10-12=-3135/0, 10-13=0/1251, 8-13=-1254/0, 8-15=0/1464	

- 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
1)	Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
	Uniform Loads (lb/ft)
	Vert: 12-18=-10, 1-3=-140, 3-7=-176, 7-11=-140





Job 72500819	Truss F207	Truss Type Truss	Qty 4	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:54

Page: 1

ID:DdXO9rlsgxZTAiZlcyYnyeyE?QM-hNDO\_Pxnolu0uWsAyQokiZYfaBx47xglMI6eoPzdMOR

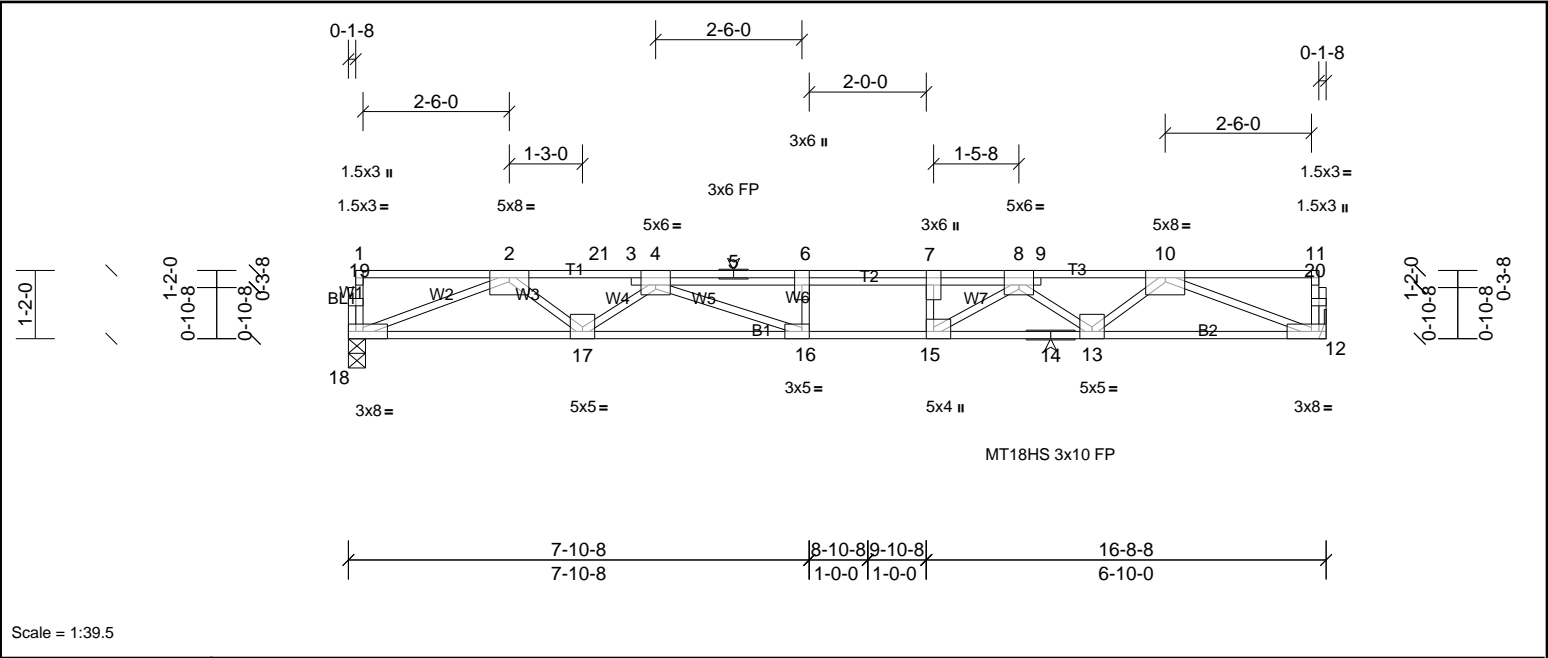


Plate Offsets (X, Y): [4:0-3-0,Edge], [7:0-3-0,Edge], [8:0-3-0,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge]

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	0.88	Vert(LL)	-0.21	16-17	>946	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.45	16-17	>437	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 90 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-11-2 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) 12=1312/ Mechanical, (min. 0-1-8), 18=1342/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-21=-3947/0, 3-21=-3947/0, 3-4=-3940/0, 4-5=-5760/0, 5-6=-5760/0, 6-7=-5760/0, 7-8=-5760/0, 8-9=-3778/0, 9-10=-3800/0

BOT CHORD 17-18=0/2953, 16-17=0/4941, 15-16=0/5760, 14-15=0/4748, 13-14=0/4748, 12-13=0/2882

WEBS 6-16=-374/0, 7-15=-697/0, 2-18=-3167/0, 2-17=0/1293, 4-17=-1263/0, 4-16=0/1134, 10-12=-3091/0, 10-13=0/1195, 8-13=-1204/0, 8-15=0/1432

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) 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.

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.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 12-18=-10, 1-21=-140, 7-21=-176, 7-11=-140



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:54 Page: 1  
ID:jHq03Cnxq0m89H4Hdh6wJfYE?FQ-hNDO\_Pxnolu0uWsAyQokiZYfQBw37yVIMl6eoPzdMOR



<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP SS(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-4-14 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)		
<b>REACTIONS</b>			
	(lb/size)	13=1163/ Mechanical, (min. 0-1-8), 22=1213/0-3-8, (min. 0-1-8)	
	Max Grav	13=1179 (LC 4), 22=1213 (LC 1)	
<b>FORCES</b>			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-4059/0, 3-4=-4059/0, 4-5=-4059/0, 5-25=-6735/0, 6-25=-6735/0, 6-7=-6059/0, 7-8=-6159/0, 8-9=-5276/0, 9-10=-3700/0, 10-11=-3700/0		
BOT CHORD	21-22=0/1861, 20-21=0/4059, 19-20=0/6621, 18-19=0/6571, 17-18=0/6571, 16-17=0/5837, 15-16=0/5837, 14-15=0/4654, 13-14=0/2845		
WEBS	3-21=-1260/0, 4-20=0/588, 2-22=-2150/0, 2-21=0/2864, 11-13=-2997/0, 11-14=0/1088, 9-14=-1212/0, 9-15=0/790, 8-15=-712/0, 8-17=0/409, 6-17=-511/0, 5-20=-2798/0		

**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 Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 7-8-12 from the left end to connect truss(es) to front 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: 13-22=-10, 1-12=-100  
     Concentrated Loads (lb)  
         Vert: 25=-216 (F)



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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:54 Page: 1  
ID:9wPDsvsVaW4cYkLCLVRSonyE\_LD-hNDO\_Pxnolu0uWsAyQokiZYe9Bxy7x1IMi6eoPzdMOR

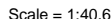


Plate Offsets (X, Y):	[4:0-3-0,Edge], [6:0-3-0,Edge], [7:0-2-8,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge]
-----------------------	--

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-10-5 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat)		
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3(flat)		

<b>REACTIONS</b>	(lb/size)	12=1299/0-3-8, (min. 0-1-8), 18=1310/0-3-8, (min. 0-1-8)
------------------	-----------	--

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

TOP CHORD 2-3=-3825/0, 3-4=-3798/0, 4-5=-5674/0, 5-6=-5674/0, 6-7=-5674/0, 7-8=-3718/0, 8-9=-3749/0, 9-10=-3749/0

BOT CHORD 17-18=0/2873, 16-17=0/4772, 15-16=0/4772, 14-15=0/5674, 13-14=0/4681, 12-13=0/2851

WEBS 5-15=-353/0, 6-14=-803/0, 10-12=-3058/0, 10-13=0/1169, 7-13=-1184/0, 7-14=0/1564, 2-18=-3081/0, 2-17=0/1239, 4-17=-1203/0, 4-15=0/1071

## 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 Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 7-8-12 from the left end to connect truss(es) to back face of top chord, skewed 0.0 deg to the right, sloping 0.0 deg. down.
- 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
--------------	----------

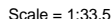
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00  
Uniform Loads (lb/ft)  
Vert: 12-18=-10, 1-11=-140  
Concentrated Loads (lb)  
Vert: 5=-176 (B)



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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:54 Page: 1  
ID:2YMeRnnRhJzYswzaSXeT7yE?!?-hNDO Pxnolu0uWsAyQokiZYsSB3m77alMI6eoPzdMOR



<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 3-5-0 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)	4=316/ Mechanical, (min. 0-1-8), 5=316/ Mechanical, (min. 0-1-8)	
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
BOT CHORD	4-5=0/376		
WEBS	2-4=-437/0. 2-5=-437/0		

- 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) 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.
  - 3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 1'-10-4" from the left end to connect truss(es) to back face of top chord.
  - 4) Fill all nail holes where hanger is in contact with lumber.
  - 5) 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: 4-5=-10, 1-3=-100
	Concentrated Loads (lb)
	Vert: 2=-297 (B)



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	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	FG4	Truss	1	1	Job Reference (optional)

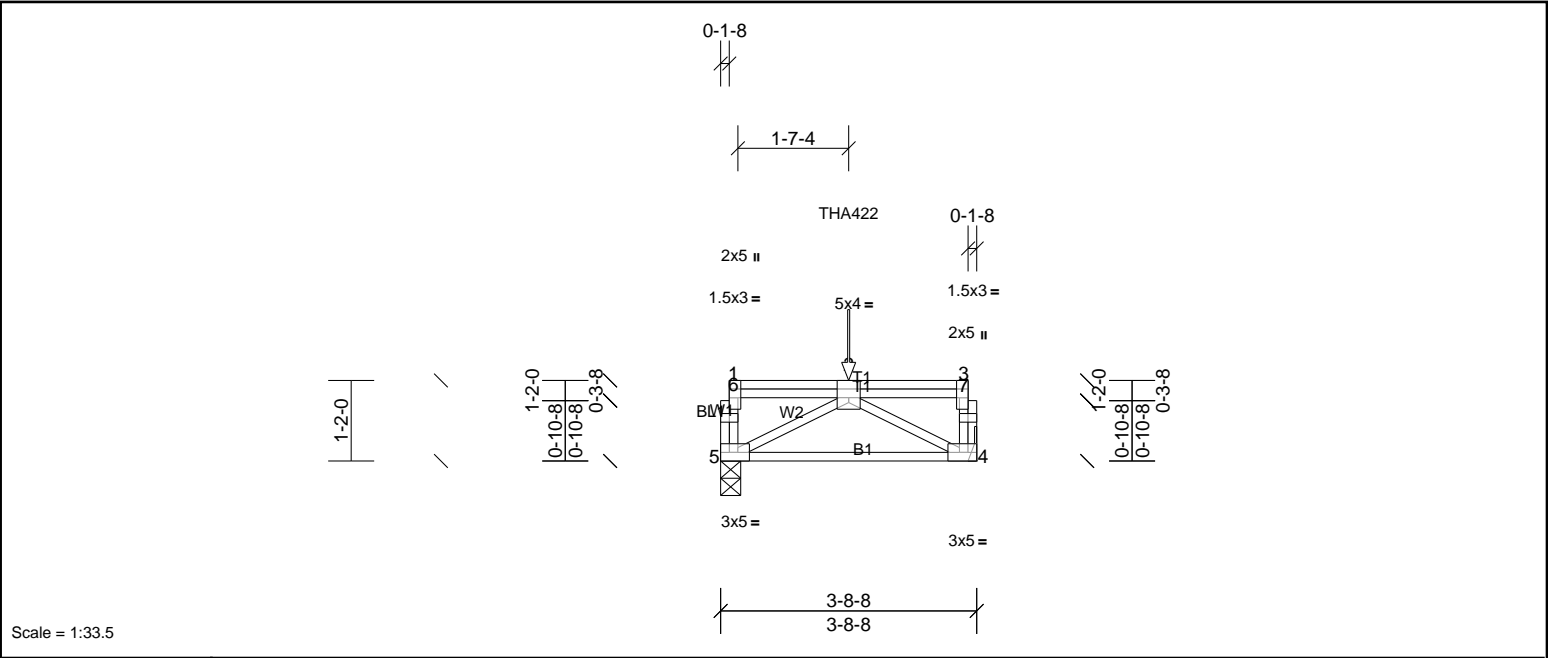


Plate Offsets (X, Y): [2:0-2-0,Edge], [3:0-3-0,Edge], [4:0-2-0,Edge], [5:0-2-0,Edge]

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.01	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 26 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 3-8-8 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)	4=790/ Mechanical, (min. 0-1-8), 5=790/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
BOT CHORD	4-5=0/1193	
WEBS	2-4=-1364/0, 2-5=-1364/0	

- 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.
  - 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 1-10-4 from the left end 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: 4-5=-10, 1-3=-100	
Concentrated Loads (lb)	
Vert: 2=-1212 (F)	



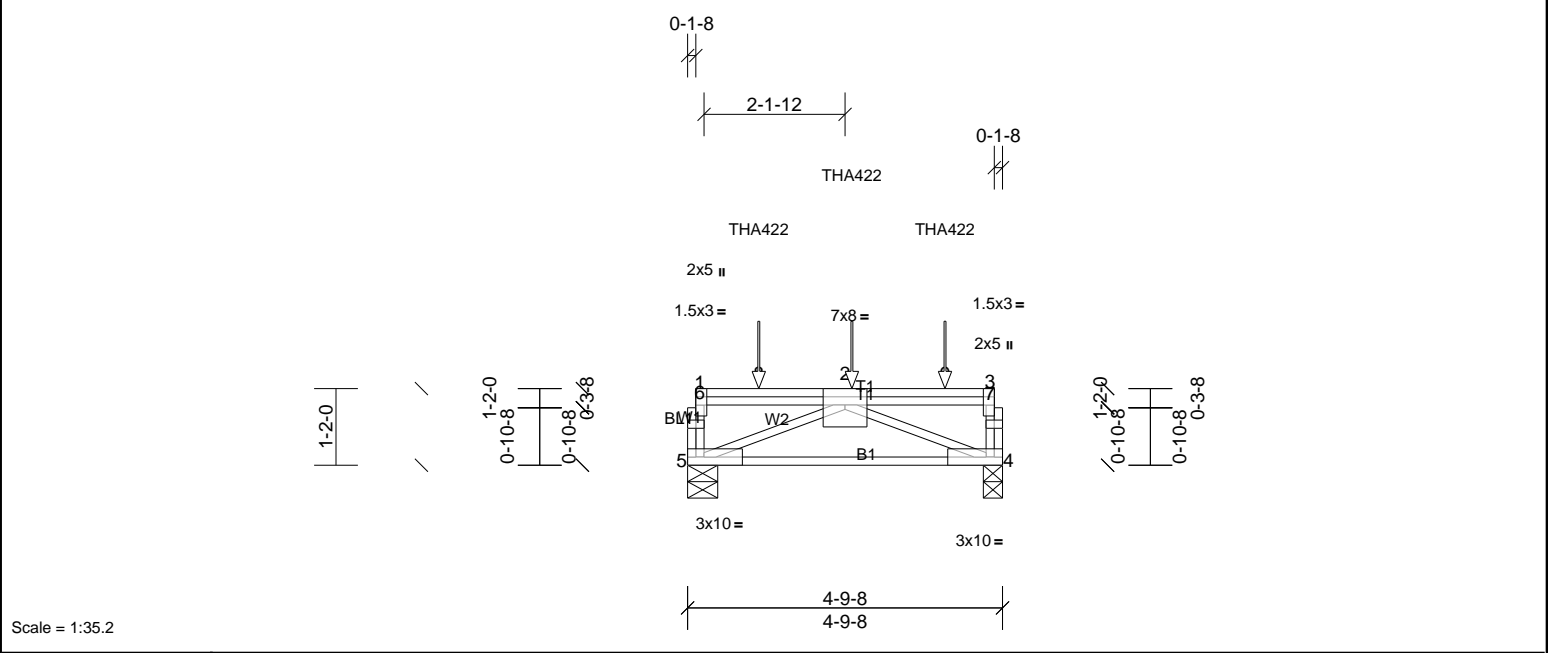
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	FG5	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:54

Page: 1

ID:5QsKfPUOdLX8ZxMONo8?X\_yE?DD-hNDO\_Pxnolu0uWsAyQokiZYd?BxH7xulMI6eoPzdMOR



Scale = 1:35.2

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

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	0.98	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.06	4-5	>897	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.02	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 32 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-9-8 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) 4=2163/0-3-8, (min. 0-1-8), 5=2045/0-5-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 5-6=-706/0, 1-6=-704/0, 4-7=-827/0, 3-7=-825/0  
BOT CHORD 4-5=0/3103  
WEBS 2-5=-3330/0, 2-4=-3321/0

- 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.
  - 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 1-5-0 oc max. starting at 1-1-0 from the left end to 3-11-0 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

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00  
Uniform Loads (lb/ft)  
Vert: 4-5=-10, 1-3=-140  
Concentrated Loads (lb)  
Vert: 2=-1172 (F), 8=-1179 (F), 9=-1194 (F)



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	FG6	Truss	1	1	Job Reference (optional)

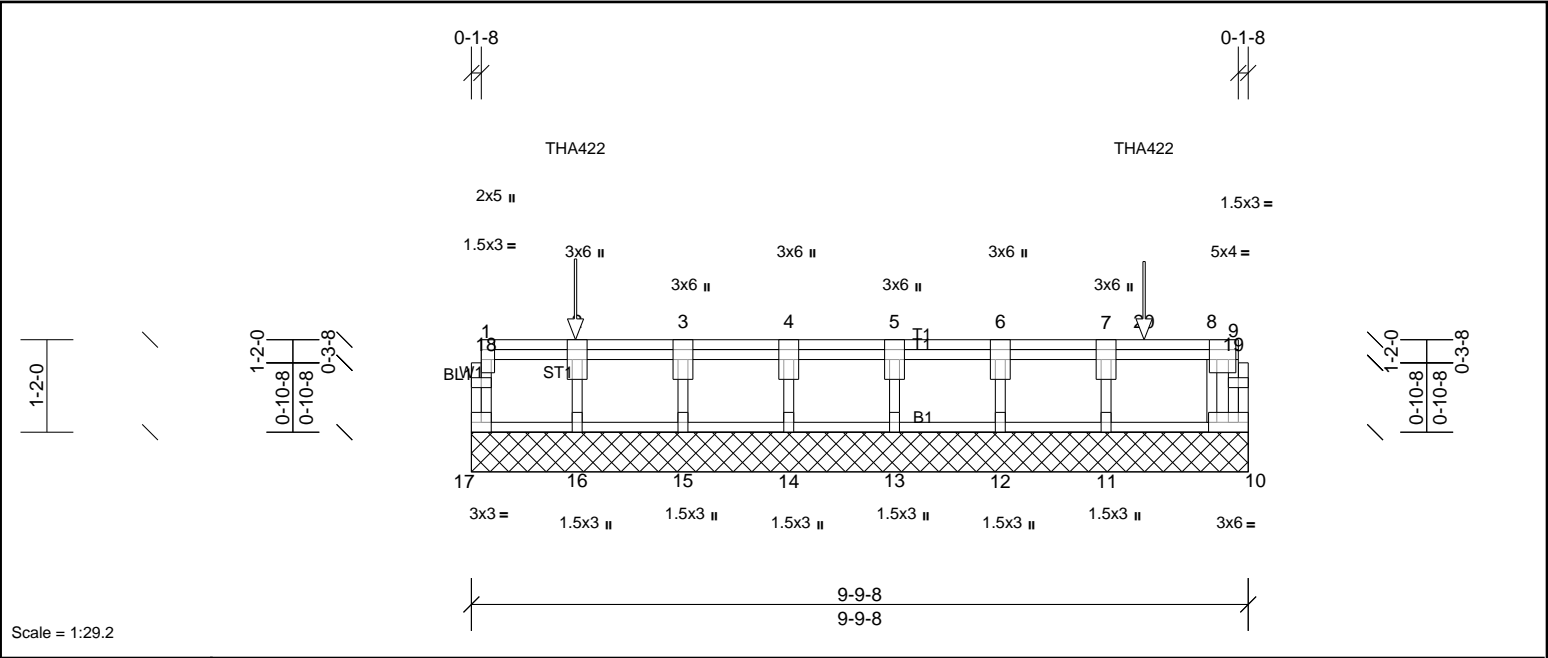


Plate Offsets (X, Y):		[9:0-2-0,Edge]										
<b>Loading</b>	(psf)	<b>Spacing</b>	2-0-0	<b>CSI</b>		<b>DEFL</b>	in	(loc)	I/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.26	Horiz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 56 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)		

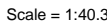
<b>REACTIONS</b>		All bearings 9-9-8.
(lb) - Max Grav		All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 17 except 10=274 (LC 1), 11=751 (LC 1), 16=1127 (LC 1)
<b>FORCES</b>		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
<b>WEBS</b>		2-16=-1134/0, 7-11=-723/0, 8-10=-313/0

- 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.
  - 7) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 7-2-0 oc max. starting at 1-3-12 from the left end to 8-5-12 to connect truss(es) to front face of top chord.
  - 8) Fill all nail holes where hanger is in contact with lumber.
  - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

<b>LOAD CASE(S)</b>		Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00		
Uniform Loads (lb/ft)		
Vert: 10-17=-10, 1-9=-100		
Concentrated Loads (lb)		
Vert: 2=-1079 (F), 20=-690 (F)		



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:55 Page: 1  
ID:ruGW4FruRtlE6el7KXzYJ1yE?Yi-AZmmBlyPZc0tVgRMW8JzFm50jbSpsbxbubBKrzdMOQ



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, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33

**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.



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.





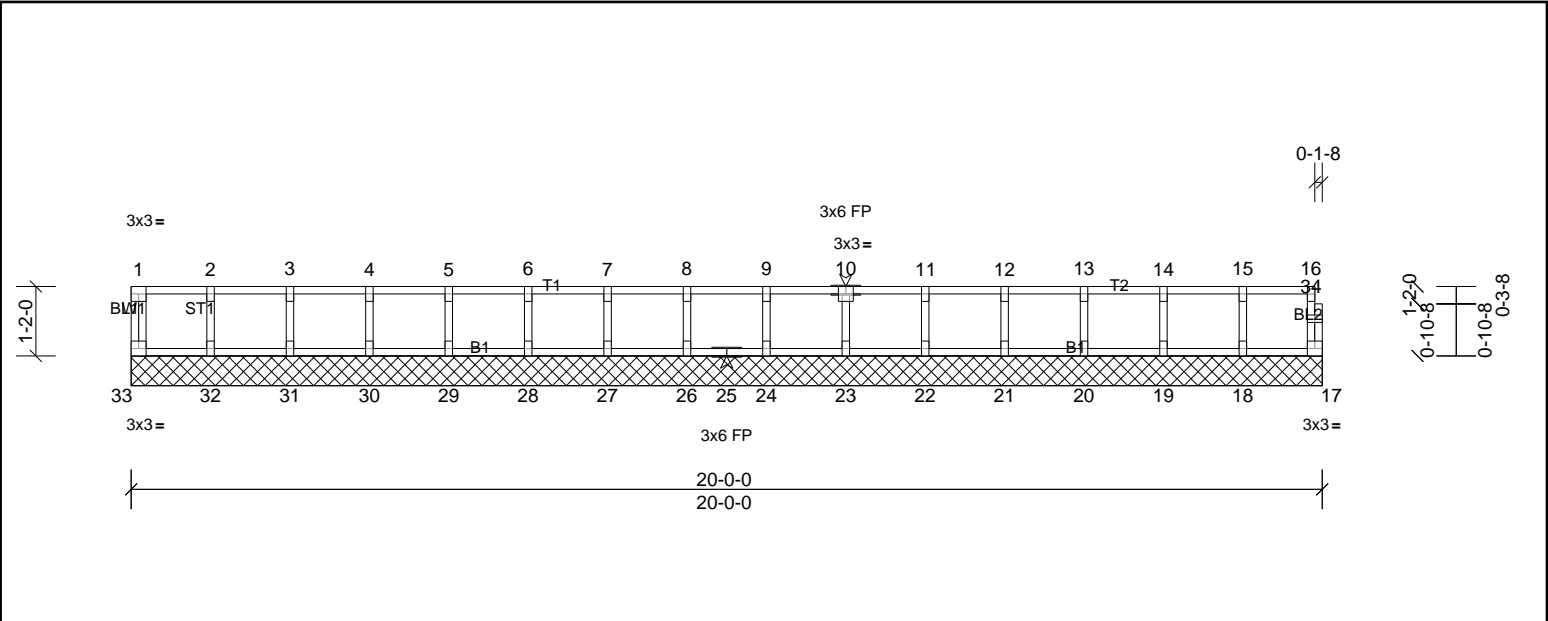
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	K201	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:55

Page: 1

ID:KdulQDGrBdiGp0wrtN5mDPyE?Y9-AZmmBlyPZc0tVgRMW8JzFm50tbS0sbzubysBKrzdMOQ



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	0.08	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	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 84 lb	FT = 20%F, 11%E

LUMBER	BRACING
TOP CHORD	TOP CHORD
BOT CHORD	BOT CHORD
WEBS	
OTHERS	

**REACTIONS** All bearings 20-0-0.

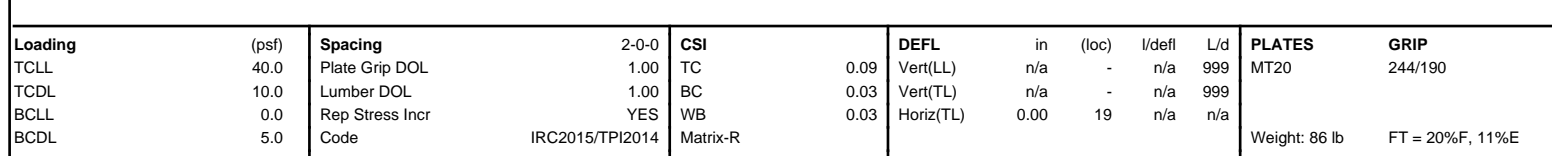
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33

**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: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:55 Page: 1  
ID: C8lW8c2MXM9nTeQ4z6ZvXyE?Xi-AZmmBlyPZc0tVgRMW8JzFm50gbSjsbubysBKrzdMOQ



<b>REACTIONS</b>	All bearings 20-5-8.
(lb) - Max Grav	All reactions 250 (lb) or less at joint(s) 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34
<b>FORCES</b>	(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.



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.

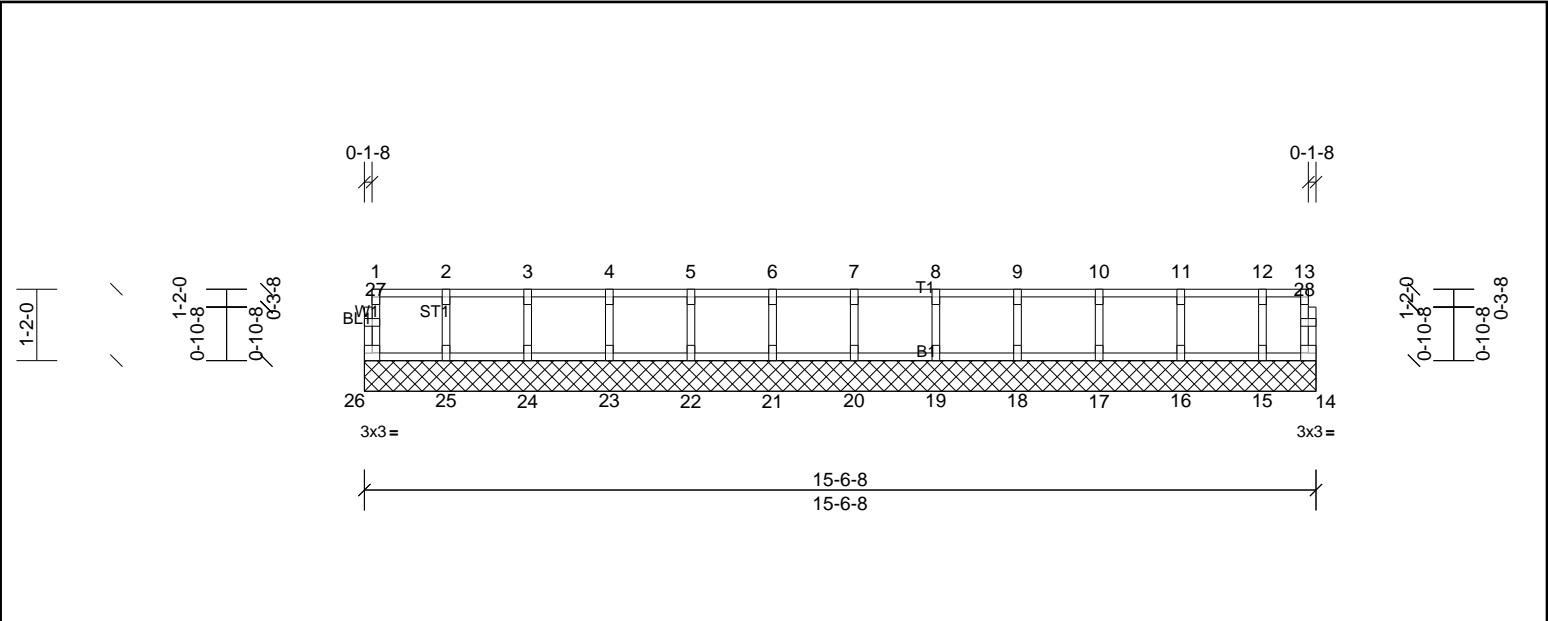
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	K203	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Mar 07 10:01:55

Page: 1

ID:hOGwAMxz?qlKXdCc985uVDyE?XH-AZmmBlyPZc0tVgRMW8JzFm50obSxsbyubysBKrzdMOQ



Scale = 1:37.8												
<b>Loading</b>	(psf)	<b>Spacing</b>	2-0-0	<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	0.08	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	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 66 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 15-6-8.  
(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.

