

Job 72500435	Truss F200	Truss Type Truss	Qty 5	Ply 1	MUNGO HOMES - TELFAIR 2ND FLR Job Reference (optional)	31 CBR
-----------------	---------------	---------------------	----------	----------	---	--------

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. Tue Jan 07 11:44:26

Page: 1

ID:a?q6?771yTv6SHVH?OIZqv2z8gqv-pZChGCL7xWddlcaQVldyU3v?0USxGP6BI3?s14zxmJ

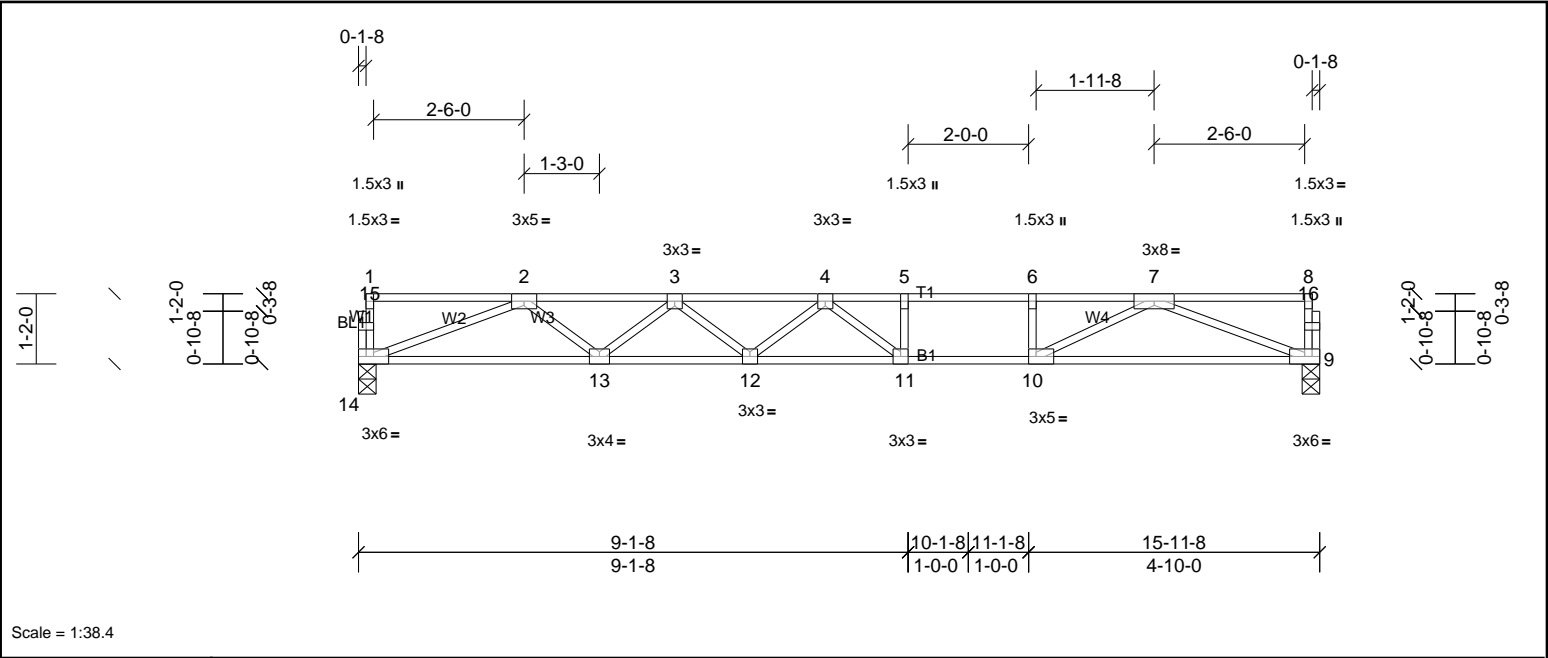


Plate Offsets (X, Y):		[10:0-1-8,Edge]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.71	Vert(LL)	-0.32	11-12	>595	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.43	11-12	>439	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 77 lb	FT = 20%F, 12%E

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

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

REACTIONS (lb/size) 9=858/0-3-8, (min. 0-1-8), 14=858/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2391/0, 3-4=-3135/0, 4-5=-2950/0, 5-6=-2950/0, 6-7=-2950/0
BOT CHORD 13-14=0/1852, 12-13=0/2903, 11-12=0/3260, 10-11=0/2950, 9-10=0/1854
WEBS 6-10=-421/0, 2-14=-1986/0, 2-13=0/700, 3-13=-667/0, 3-12=0/302, 4-11=-561/170, 7-9=-1987/0, 7-10=0/1281

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



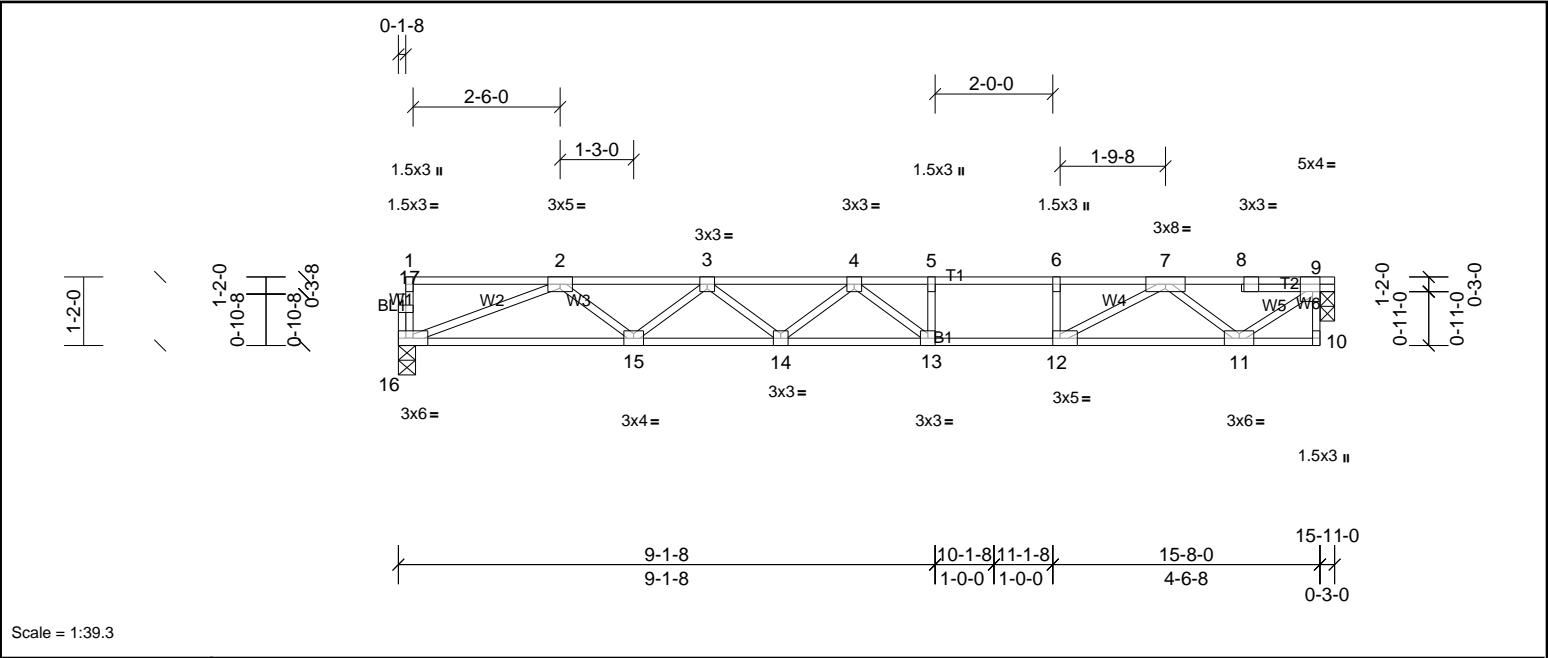
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F201	Truss	1	1	Job Reference (optional)

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. Tue Jan 07 11:44:26

Page: 1

ID:a?q6?71yTv6SHVH?OIzqv2z8gqv-pZChGCL7xWddlcaQVldyU3v0YUS1GP4BI3?s14zxmJ



Scale = 1:39.3

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

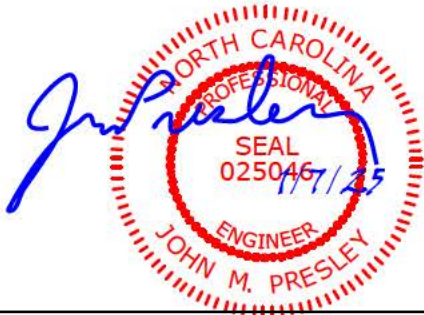
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.67	Vert(LL)	-0.30	13-14	>627	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.41	13-14	>458	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 78 lb	FT = 20%F, 12%E

LUMBER		BRACING	
TOP CHORD	2x4 SP SS(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.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS (lb/size) 9=851/0-2-15, (min. 0-1-8), 16=845/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2344/0, 3-4=-3059/0, 4-5=-2840/0, 5-6=-2840/0, 6-7=-2840/0, 7-8=-903/0, 8-9=-908/0
BOT CHORD 15-16=0/1821, 14-15=0/2842, 13-14=0/3166, 12-13=0/2840, 11-12=0/1765
WEBS 6-12=-432/0, 2-16=-1952/0, 2-15=0/681, 3-15=-648/0, 3-14=0/283, 4-13=-564/137, 9-11=0/1127, 7-11=-1122/0, 7-12=0/1286

- NOTES
- Unbalanced floor live loads have been considered for this design.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
 - 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.
 - Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - CAUTION, Do not erect truss backwards.



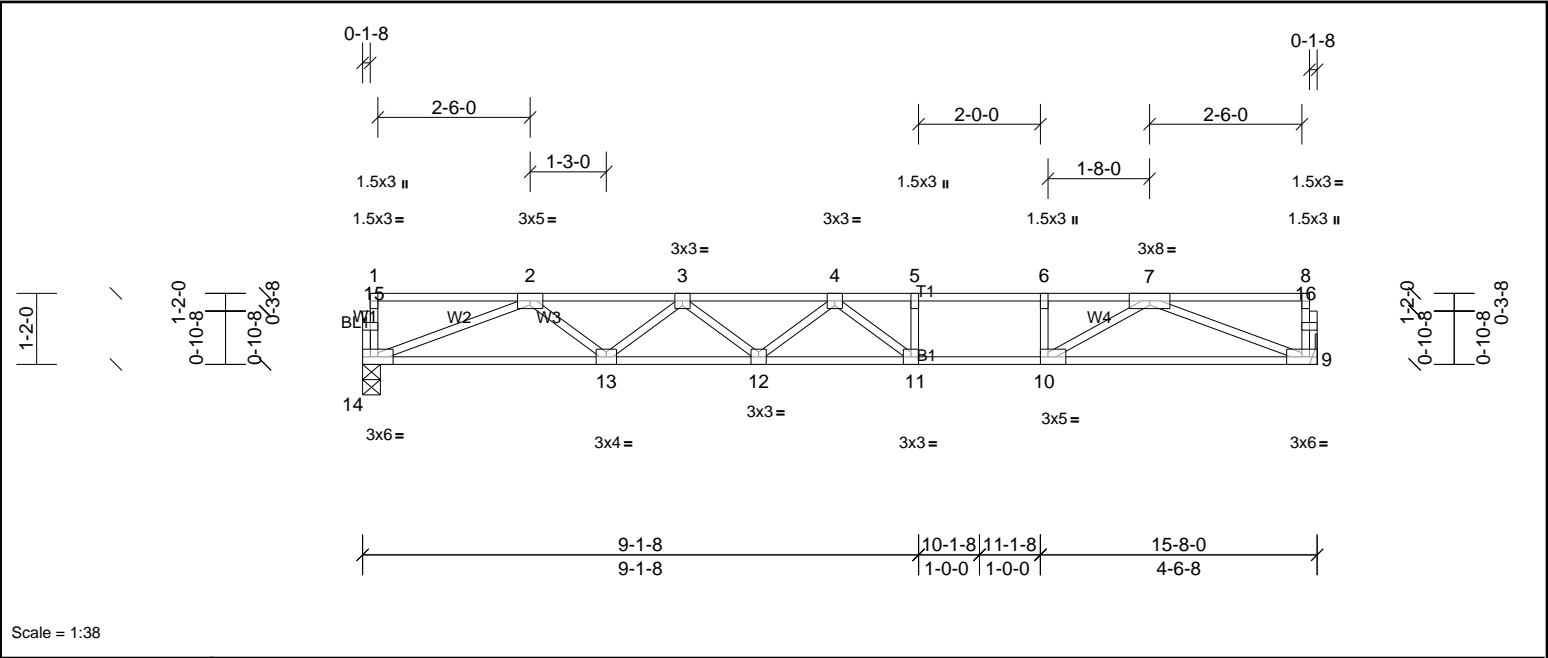
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F202	Truss	3	1	Job Reference (optional)

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. Tue Jan 07 11:44:26

Page: 1

ID:a?q6?71yTv6SHVH?OIzqv2z8gqv-pZChGCL7xWddlcaQVldyU3v04US1GQgBI3?s14zxmJ



Scale = 1:38									
Plate Offsets (X, Y): [10:0-1-8,Edge]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	L/d
TCLL	40.0	Plate Grip DOL	1.00	TC	0.70	Vert(LL)	-0.31	11-12	>598
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.42	11-12	>440
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.05	9	n/a
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH					
					PLATES		GRIP		
					MT20		244/190		
					Weight: 76 lb		FT = 20%F, 12%E		

LUMBER		BRACING	
TOP CHORD	2x4 SP SS(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.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
REACTIONS	(lb/size)	9=842/ Mechanical, (min. 0-1-8), 14=842/0-3-8, (min. 0-1-8)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-2331/0, 3-4=-3039/0, 4-5=-2798/0, 5-6=-2798/0, 6-7=-2798/0		
BOT CHORD	13-14=0/1812, 12-13=0/2825, 11-12=0/3142, 10-11=0/2798, 9-10=0/1819		
WEBS	6-10=-449/0, 2-14=-1943/0, 2-13=0/675, 3-13=-643/0, 3-12=0/279, 4-11=-585/131, 7-9=-1949/0, 7-10=0/1207		
NOTES			
1)	Unbalanced floor live loads have been considered for this design.		
2)	This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.		
3)	Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.		



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F203	Truss	10	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. Tue Jan 07 11:44:27

Page: 1

ID:gybFDKc1Jhrnb30WAXcCoLz1jXX-Hmm3UYMliplUwm9d3S9B1HR9Atpl?o3KzjlQZXxmli

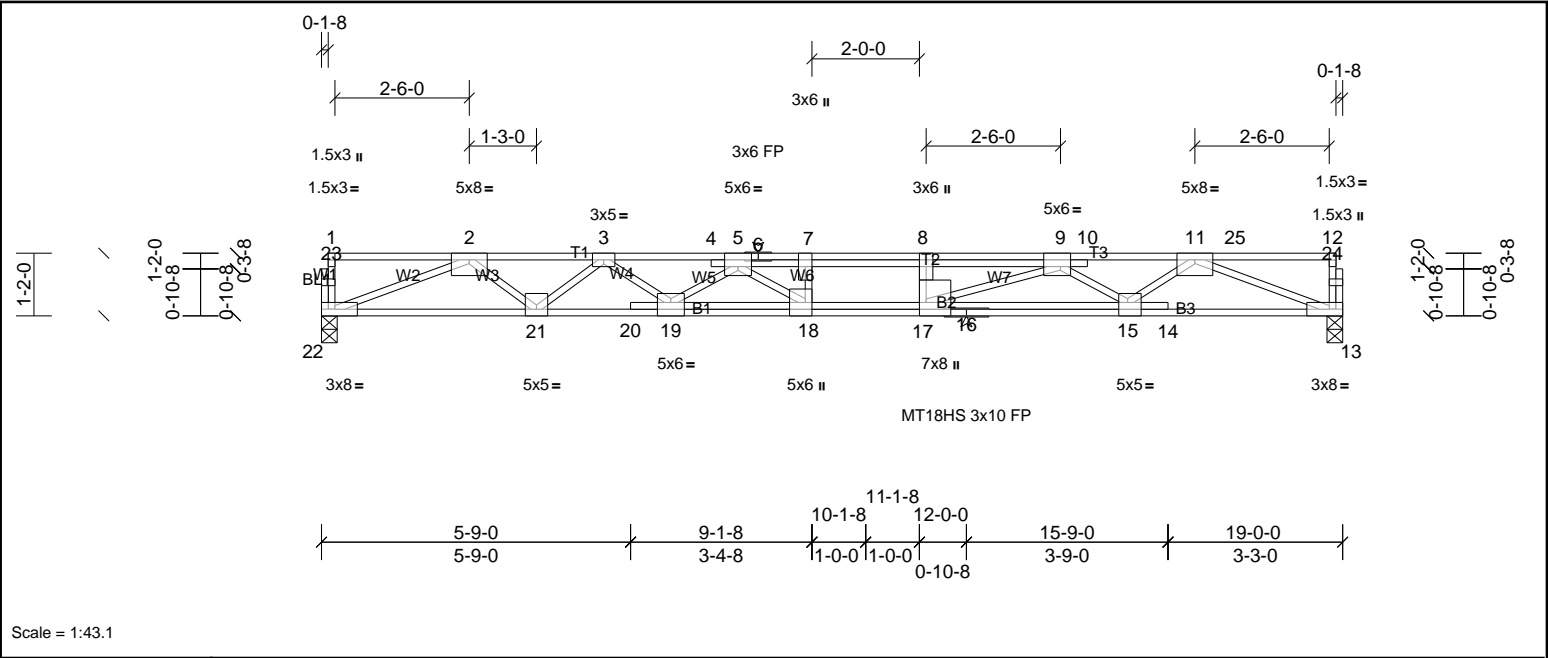


Plate Offsets (X, Y): [5:0-3-0,Edge], [8:0-3-0,Edge], [9:0-2-4,Edge], [15:0-2-0,Edge], [17:0-3-0,Edge], [18:0-3-0,Edge], [19:0-3-0,Edge]

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	0.81	Vert(LL)	-0.30	18-19	>760	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.49	18-19	>456	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.08	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 115 lb	FT = 20%F, 12%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-9-13 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=1397/0-3-8, (min. 0-1-8), 22=1160/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-3494/0, 3-4=-5117/0, 4-5=-5099/0, 5-6=-6511/0, 6-7=-6511/0, 7-8=-6511/0, 8-9=-6511/0, 9-10=-4074/0, 10-11=-4079/0

BOT CHORD 21-22=0/2608, 20-21=0/4397, 19-20=0/4386, 18-19=0/5883, 17-18=0/6511, 16-17=0/5184, 15-16=0/5184, 14-15=0/3016, 13-14=0/3024

WEBS 7-18=-468/0, 8-17=-407/0, 2-22=-2799/0, 2-21=0/1154, 3-21=-1175/0, 3-19=0/916, 5-19=-949/0, 5-18=0/1118, 9-17=0/1553, 9-15=-1370/0, 11-15=0/1341, 11-13=-3240/0

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: 13-22=-10, 1-5=-100, 5-25=-140, 12-25=-176



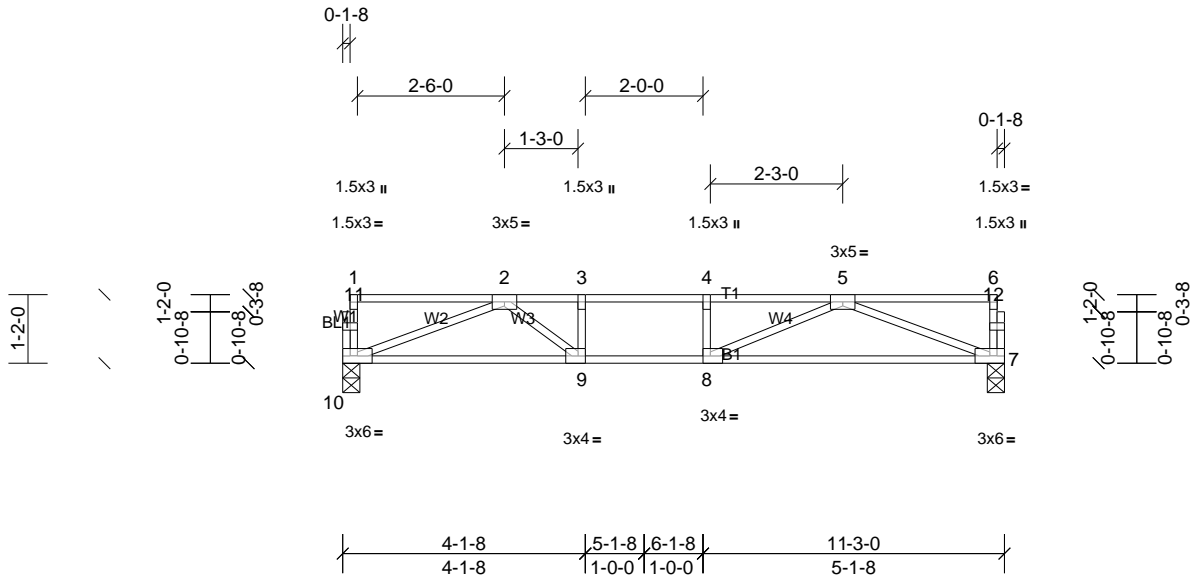
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F204	Truss	2	1	Job Reference (optional)

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. Tue Jan 07 11:44:27

Page: 1

ID:a?q6?71yTv6SHVH?OlZqv2z8qqv-Hmm3UYMliplUwm9d3S9B1HR8LtmS?uNKzjIQZXxmll



Scale = 1:39.3

Plate Offsets (X, Y): [8:0-1-8,Edge], [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	0.86	Vert(LL)	-0.15	7-8	>859	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.29	7-8	>454	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 55 lb	FT = 20%F, 12%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-6-0 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=816/0-3-8, (min. 0-1-8), 10=816/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2128/0, 3-4=-2128/0, 4-5=-2128/0
BOT CHORD 9-10=0/1647, 8-9=0/2128, 7-8=0/1639
WEBS 3-9=-377/0, 2-10=-1762/0, 2-9=0/751, 5-7=-1754/0, 5-8=0/668

- 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.



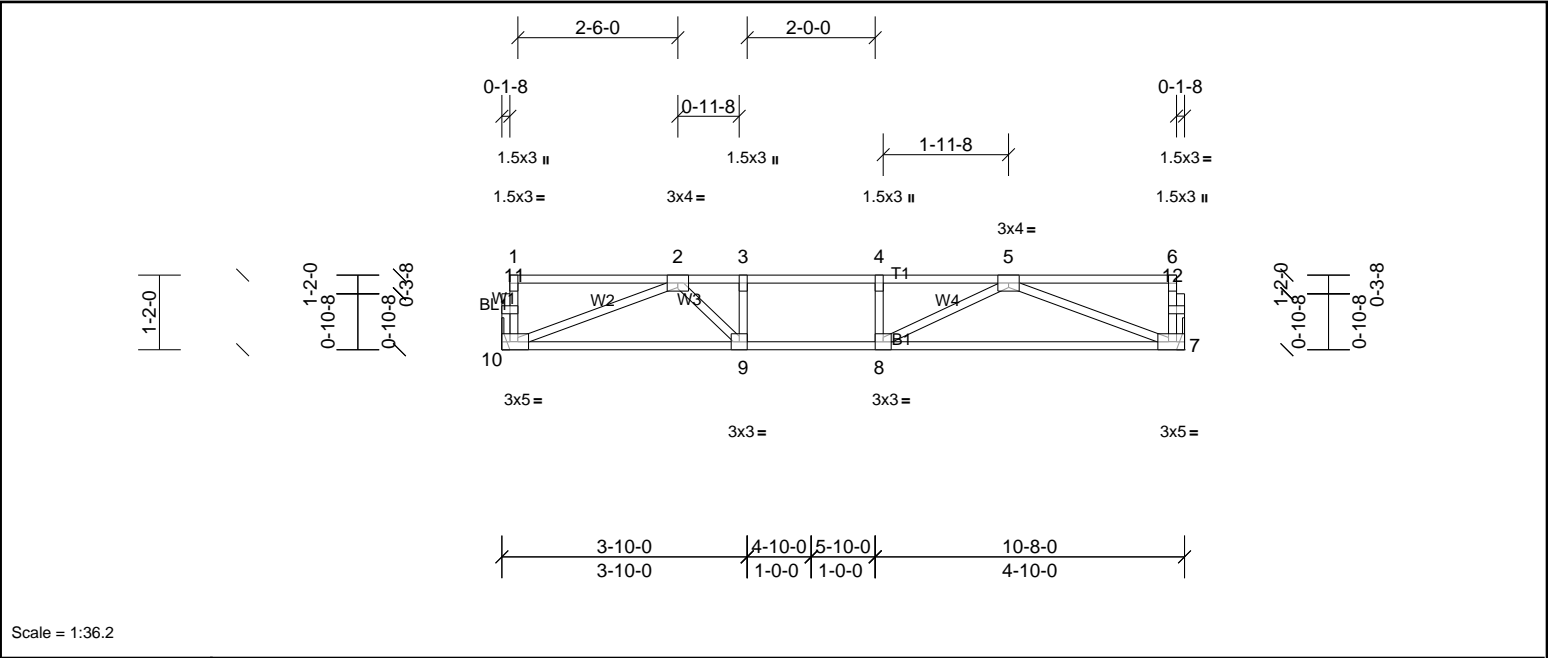
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F205	Truss	3	1	Job Reference (optional)

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. Tue Jan 07 11:44:27

Page: 1

ID:a?q6?71yTv6SHVH?OlZqv2z8gqv-Hmm3UYMlplUwm9d3S9B1HRBitqa?wkKzjIQZXxmll



Scale = 1:36.2

Plate Offsets (X, Y): [7:0-2-0,Edge], [10:0-2-0,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	0.65	Vert(LL)	-0.12	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.19	7-8	>647	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 52 lb	FT = 20%F, 12%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=567/ Mechanical, (min. 0-1-8), 10=567/ Mechanical, (min. 0-1-8)

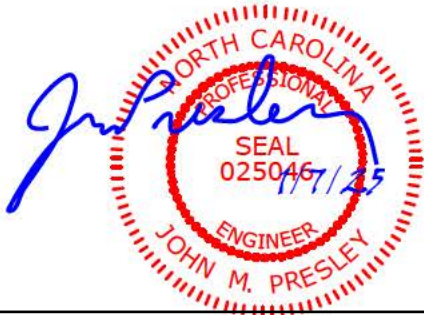
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1396/0, 3-4=-1396/0, 4-5=-1396/0

BOT CHORD 9-10=0/1129, 8-9=0/1396, 7-8=0/1112

WEBS 3-9=-308/0, 2-10=-1207/0, 2-9=0/534, 5-7=-1190/0, 5-8=0/458

- 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.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F206	Truss	1	1	Job Reference (optional)

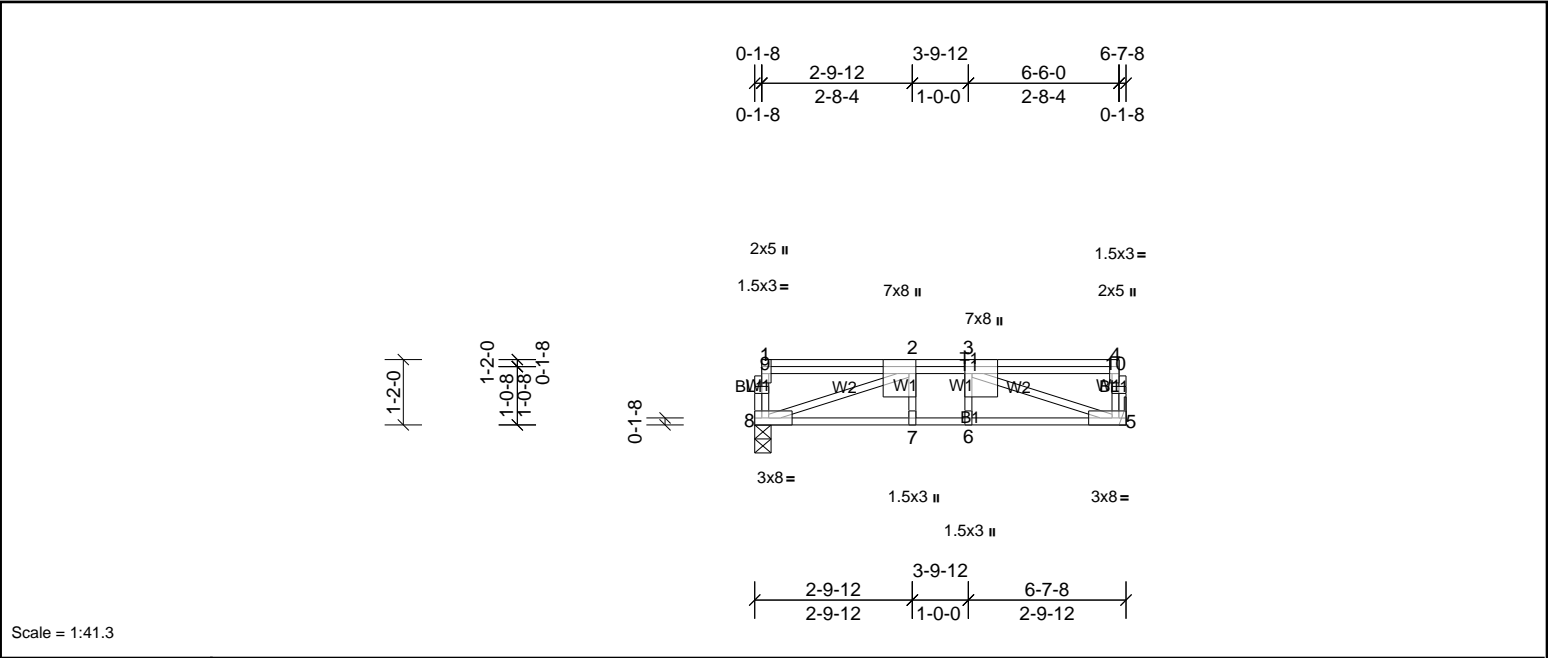


Plate Offsets (X, Y): [2:0-3-0,Edge], [3:0-3-0,Edge], [4:0-3-0,Edge]													
Loading		(psf)	Spacing	2-0-0	CSI	DEFL		in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL		40.0	Plate Grip DOL	1.00	TC	0.67	Vert(LL)	-0.09	5-6	>865	480	MT20	244/190
TCDL		10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.12	5-6	>623	360		
BCLL		0.0	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.02	5	n/a	n/a		
BCDL		5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 44 lb	FT = 20%F, 12%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)	5=1247/ Mechanical, (min. 0-1-8), 8=1002/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	5-10=-254/0, 4-10=-253/0, 2-3=-2660/0	
BOT CHORD	7-8=0/2660, 6-7=0/2660, 5-6=0/2660	
WEBS	2-8=-2829/0, 3-5=-2815/0	

- 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.

LOAD CASE(S)	Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (lb/ft)	
Vert: 5-8=-10, 1-4=-100	
Concentrated Loads (lb)	
Vert: 3=-1560	



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F207	Truss	2	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. Tue Jan 07 11:44:27

Page: 1

ID:a?q6?71yTv6SHVH?OIzqvZz8gqv-Hmm3UYMIplUwm9d3S9B1HRAvtPL?rsKzjIQZXxmIl

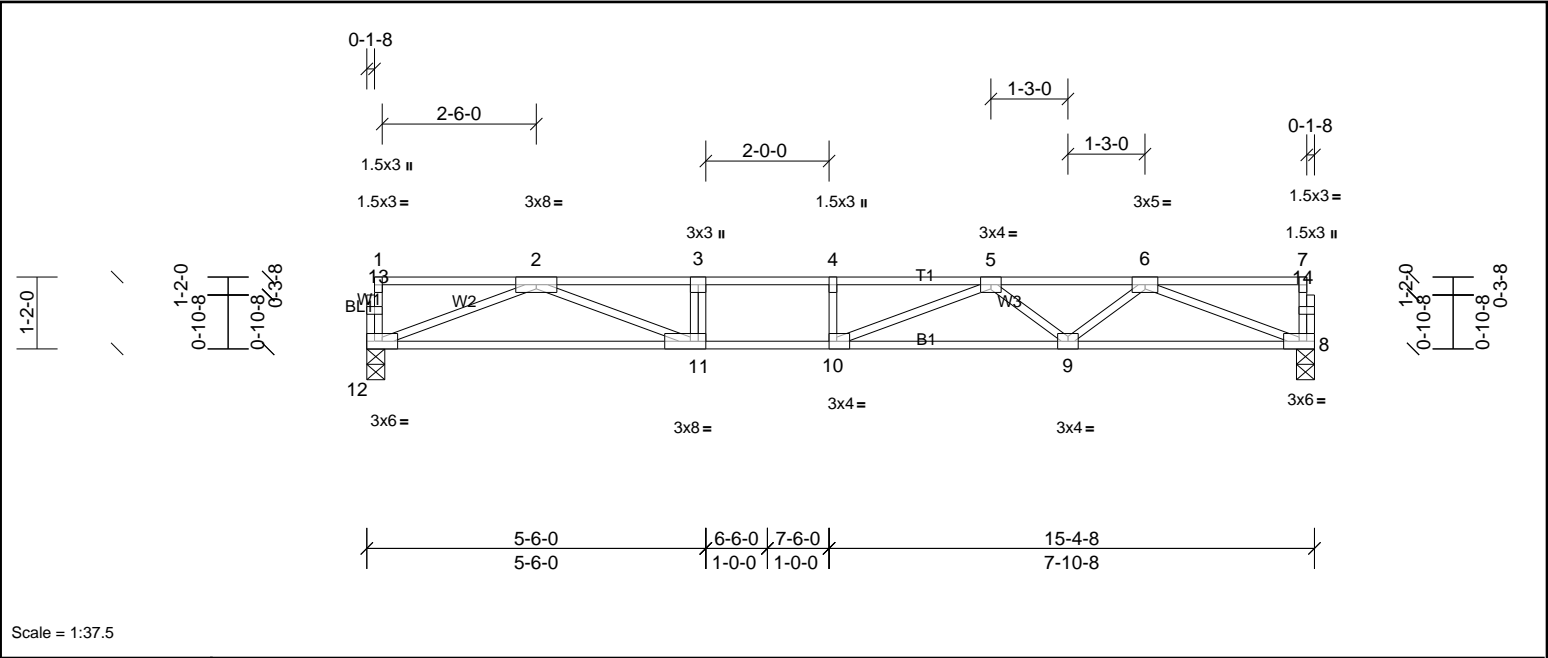


Plate Offsets (X, Y): [10:0-1-8,Edge], [11:0-3-0,Edge]												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.26	9-10	>694	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.45	9-10	>402	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.05	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 75 lb	FT = 20%F, 12%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 8=900/0-3-8, (min. 0-1-8), 12=900/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3169/0, 3-4=-3169/0, 4-5=-3169/0, 5-6=-2511/0
BOT CHORD 11-12=0/1944, 10-11=0/3169, 9-10=0/3000, 8-9=0/1947
WEBS 3-11=-378/0, 2-12=-2084/0, 2-11=0/1350, 6-8=-2087/0, 6-9=0/735, 5-9=-636/0, 5-10=-51/486

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



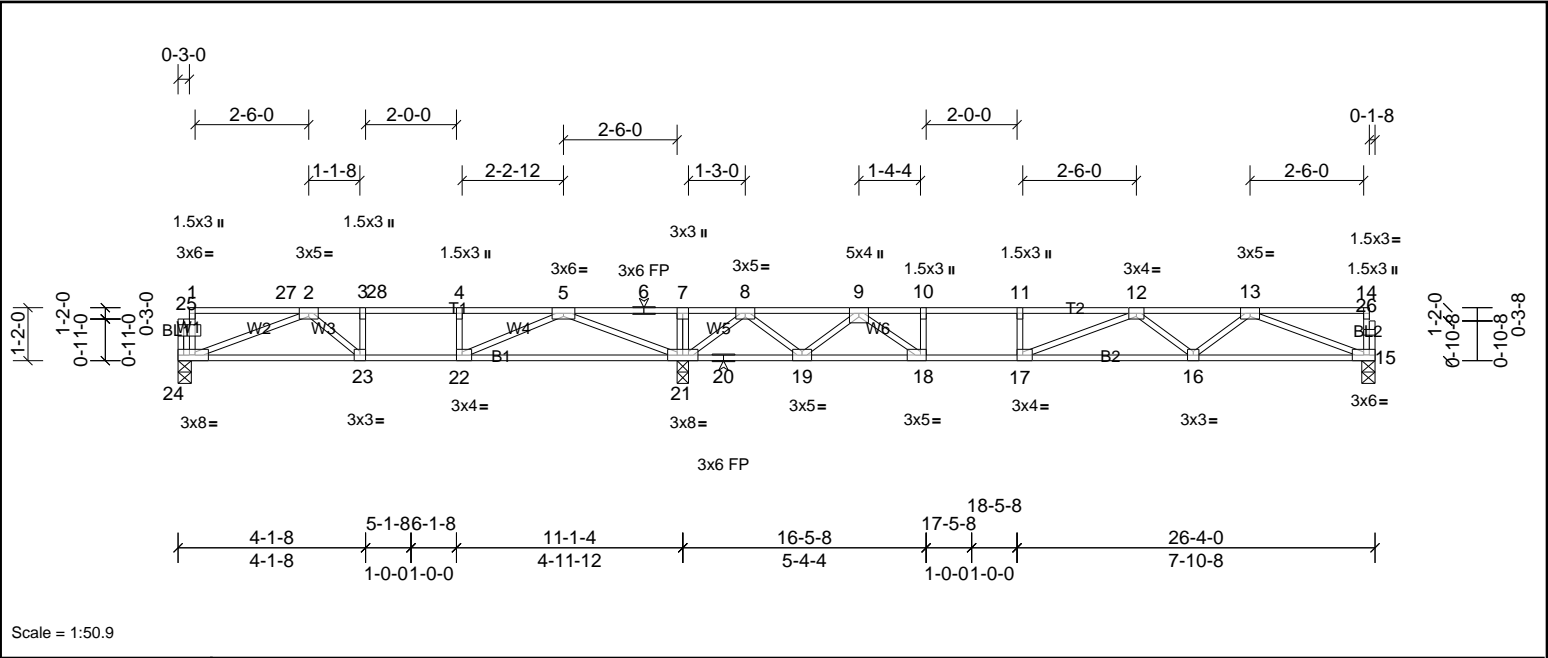
Job 72500435	Truss F208	Truss Type Truss	Qty 6	Ply 1	MUNGO HOMES - TELFAIR 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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. Tue Jan 07 11:44:28

Page: 1

ID:a?q6?771yTv6SHVH?OIZqv2z8gqv-Hmm3UYMlplUwm9d3S9B1HRAgTpC?iBKzjIQZxzmil



Scale = 1:50.9

Plate Offsets (X, Y): [17:0-1-8,Edge], [18:0-1-8,Edge], [22:0-1-8,Edge], [24:0-3-8,Edge]

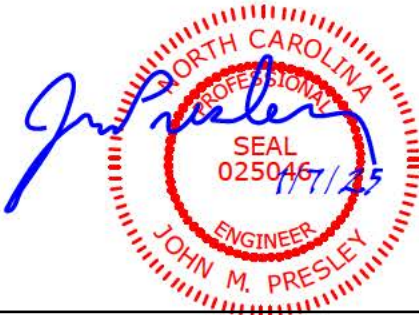
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.74	Vert(LL)	-0.26	16-17	>686	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.37	16-17	>495	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 128 lb	FT = 20%F, 12%E

LUMBER	BRACING
TOP CHORD 2x4 SP SS(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: 19-21,18-19.
OTHERS 2x4 SP No.3(flat)	

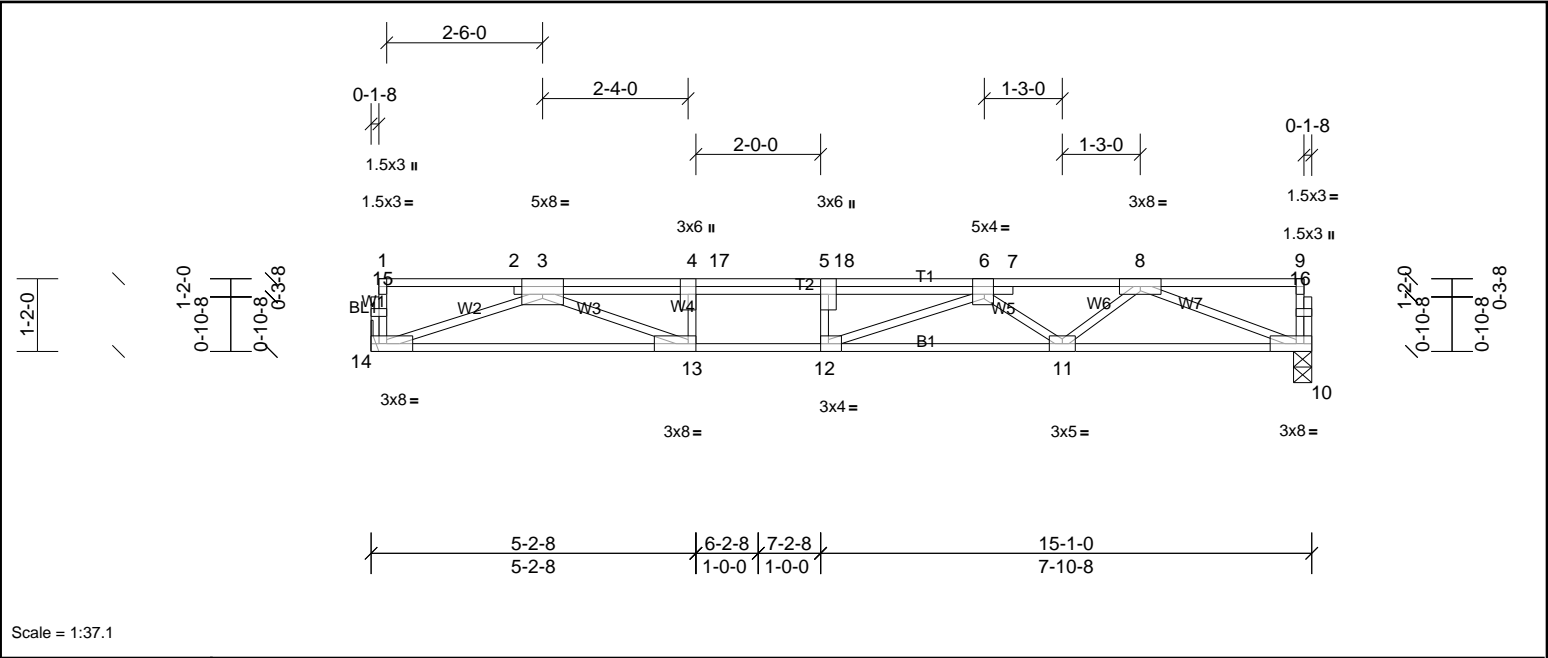
REACTIONS	(lb/size)	15=733/0-3-8, (min. 0-1-8), 21=1896/0-3-0, (min. 0-1-8), 24=719/0-3-8, (min. 0-1-8)
	Max Grav	15=760 (LC 14), 21=1896 (LC 1), 24=765 (LC 8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1790/0, 3-28=-1790/0, 4-28=-1790/0, 4-5=-1790/0, 5-6=0/1362, 6-7=0/1362, 7-8=0/1352, 8-9=-888/270, 9-10=-2383/0, 10-11=-2383/0, 11-12=-2383/0, 12-13=-2072/0	
BOT CHORD	23-24=0/1551, 22-23=0/1790, 21-22=0/979, 20-21=-518/178, 19-20=-518/178, 18-19=-9/1640, 17-18=0/2383, 16-17=0/2434, 15-16=0/1619	
WEBS	4-22=-382/0, 10-18=-440/0, 7-21=-291/0, 2-24=-1644/0, 2-23=0/318, 5-21=-2040/0, 5-22=0/1064, 8-21=-1349/0, 8-19=0/964, 9-19=-1047/0, 9-18=0/1097, 13-15=-1735/0, 13-16=0/590, 12-16=-471/0, 12-17=-337/179	

- 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.
 - 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: 15-24=-10, 1-27=-140, 27-28=-176, 7-28=-140, 7-14=-100	



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F209	Truss	5	1	Job Reference (optional)



Scale = 1:37.1

Plate Offsets (X, Y): [3:0-4-0,Edge], [5:0-3-0,Edge], [6:0-1-12,Edge], [12:0-1-8,Edge], [13:0-1-8,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)	-0.19	11-12	>925	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.38	11-12	>464	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 84 lb	FT = 20%F, 12%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-1-9 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)	10=1135/0-3-8, (min. 0-1-8), 14=1144/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	3-4=-4248/0, 4-17=-4248/0, 5-17=-4248/0, 5-18=-4248/0, 6-18=-4248/0, 6-7=-3187/0, 7-8=-3188/0	
BOT CHORD	13-14=0/2649, 12-13=0/4248, 11-12=0/3909, 10-11=0/2439	
WEBS	4-13=-584/0, 3-14=-2818/0, 3-13=0/1816, 8-10=-2614/0, 8-11=0/975, 6-11=-917/0, 6-12=0/710	

- 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: 10-14=-10, 1-17=-140, 17-18=-176, 9-18=-140	



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	F210	Truss	2	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. Tue Jan 07 11:44:28

Page: 1

ID:a?q6?71yTv6SHVH?OIzqv2z8gqv-lyKShuNNT7tLXwkpdAgQZU_KaH58klHTCNUz6zzxmIH

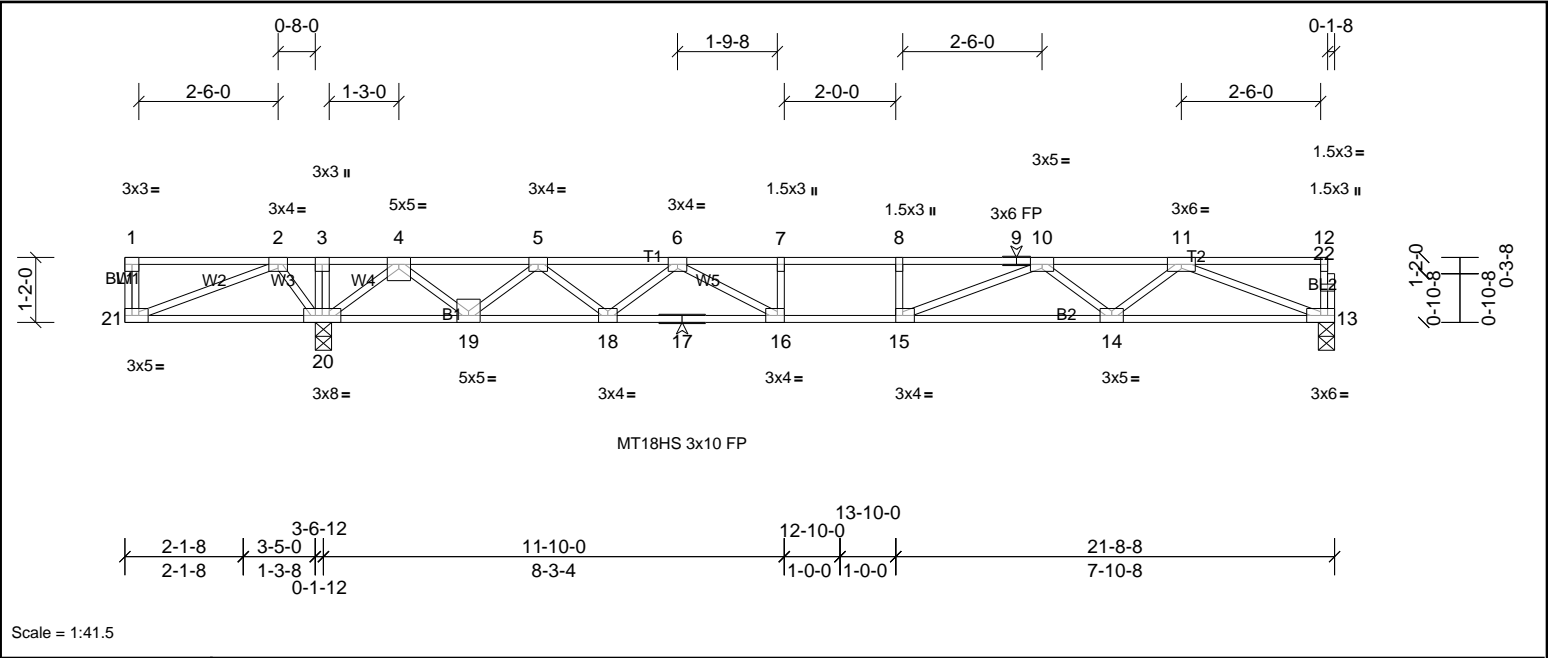


Plate Offsets (X, Y): [15:0-1-8,Edge], [16:0-1-8,Edge], [21:0-2-0,Edge]

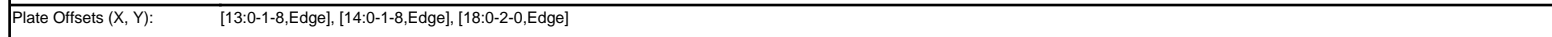
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.35	15-16	>621	480	MT18HS 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.46	15-16	>467	360	MT20 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.07	13	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 108 lb FT = 20%F, 12%E

LUMBER	BRACING
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, 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) 13=949/0-3-8, (min. 0-1-8), 20=1405/0-3-8, (min. 0-1-8)	
Max Grav 13=975 (LC 4), 20=1405 (LC 1)	
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 2-3=0/612, 3-4=0/611, 4-5=1942/0, 5-6=3330/0, 6-7=4164/0, 7-8=4164/0, 8-9=4164/0, 9-10=4164/0, 10-11=2838/0	
BOT CHORD 20-21=298/0, 19-20=239/1071, 18-19=0/2794, 17-18=0/3825, 16-17=0/3825, 15-16=0/4164, 14-15=0/3474, 13-14=0/2152	
WEBS 7-16=278/0, 8-15=256/0, 2-21=0/320, 2-20=514/0, 4-20=1585/0, 4-19=0/1175, 5-19=1146/0, 5-18=0/732, 6-18=692/0, 6-16=50/851, 11-13=2309/0, 11-14=0/893, 10-14=828/0, 10-15=0/1001	

- 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.
 - 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.



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. Tue Jan 07 11:44:28 Page: 1
ID:a?q6?71yTv6SHVH?OIzQvz28ggv-lyKShuNNT7tLXwkpAgQZU_JCH4OKiATCNUz6zzxmH



LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

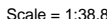
REACTIONS	(lb/size)	11=986/0-3-8, (min. 0-1-8), 18=986/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2102/0, 3-4=-3461/0, 4-5=-4251/0, 5-6=-4251/0, 6-7=-4251/0, 7-8=-4251/0, 8-9=-2876/0	
BOT CHORD	17-18=0/1235, 16-17=0/2938, 15-16=0/3943, 14-15=0/3943, 13-14=0/4251, 12-13=0/3525, 11-12=0/2178	
WEBS	6-13=-264/0, 2-18=-1547/0, 2-17=0/1128, 3-17=-1089/0, 3-16=0/680, 4-16=-627/0, 4-14=-84/732, 9-11=-2337/0, 9-12=0/908, 8-12=-845/0, 8-13=0/1040	

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.

A red circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "ENGINEER" at the bottom. Inside the ring, the word "PROFESSIONAL" is at the top and "SEAL" is at the bottom. The center of the seal contains the license number "025046" and the date "11/7/25". A blue ink signature, "John M. Presley", is written across the seal.

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. Tue Jan 07 11:44:29 Page: 1
ID:a?q6?71yTv6SHVH?OIZqv2z8qqv-D8uqvEN?DR?C94J?AtBf6iXUvhPeTk0dR1EXePzxmIG



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	0.79	Vert(LL)	-0.32	15-16	>659	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.44	15-16	>479	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 90 lb	FT = 20%F, 12%E

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

TOP CHORD	Structural wood sheathing directly applied or 4-8-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 16-17 1-4-12 oc bracing: 15-16.

TOP CHORD 1-2=+1123/0, 2-3=-1119/0, 3-4=-2770/0, 4-5=-3829/0, 5-6=-3829/0, 6-7=-3829/0, 7-8=-4128/0, 8-9=-4128/0, 9-10=-2823/0
BOT CHORD 18-19=0/2095, 17-18=0/3415, 16-17=0/4128, 14-15=0/4128, 14-15=0/3453, 13-14=0/3453, 12-13=0/2142
WEBS 1-19=0/1396, 3-19=-1271/0, 3-18=0/879, 4-18=-839/0, 4-17=0/529, 7-17=-752/1242, 10-12=-2297/0, 10-13=0/887, 9-13=-8

- 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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 6) 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.



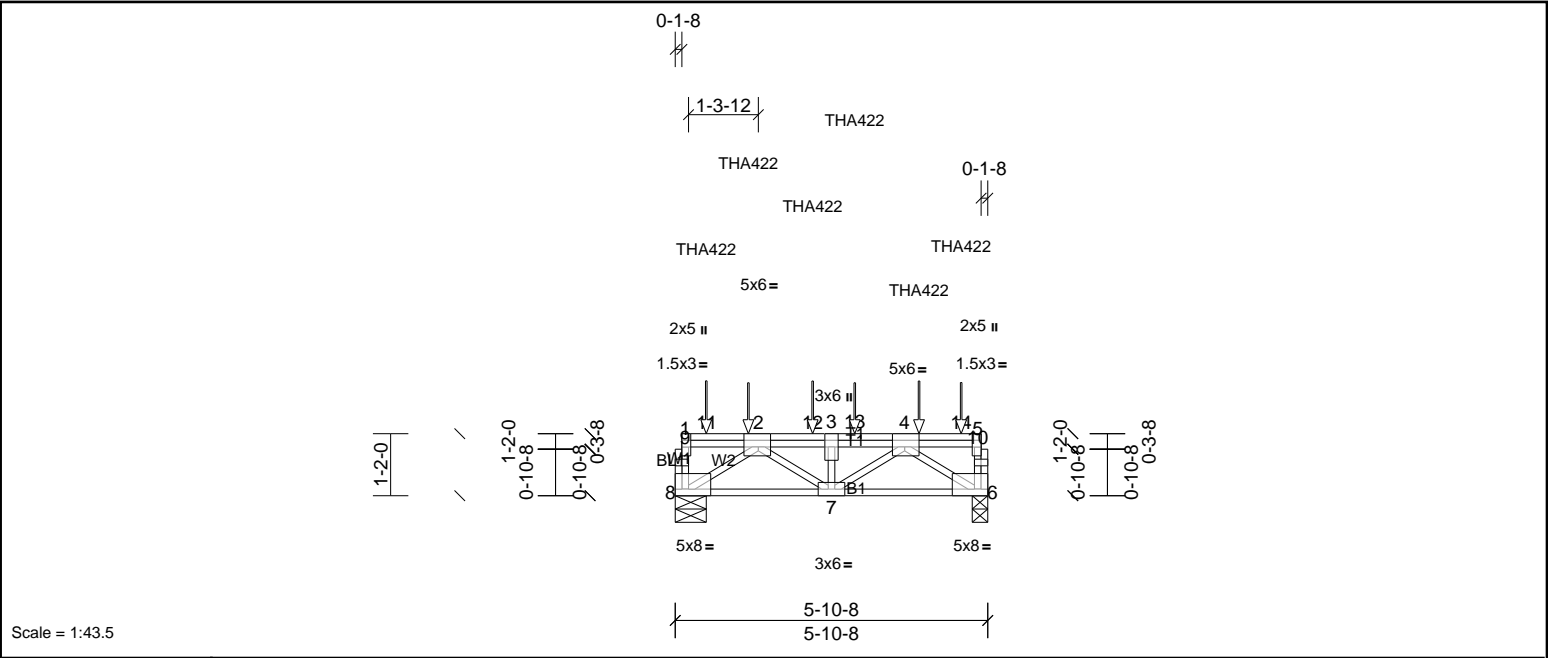
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	FG1	Truss	1	1	Job Reference (optional)

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. Tue Jan 07 11:44:29

Page: 1

ID:a?q6?71yTv6SHVH?OlZqv2z8gqv-D8uqvEN?DR?C94J?AtBf6iXZzhS7TtkidR1EXePzxmIG



Scale = 1:43.5

Plate Offsets (X, Y): [2:0-2-12,Edge], [4:0-2-12,Edge], [5:0-3-0,Edge], [6:Edge,0-1-8], [8:Edge,0-1-8]

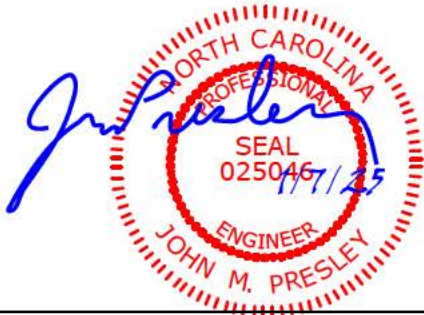
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.03	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.05	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.02	6	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 40 lb	FT = 20%F, 12%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-10-8 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)	6=2099/0-3-8, (min. 0-1-8), 8=2197/0-7-0, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	8-9=-573/0, 1-9=-572/0, 6-10=-447/0, 5-10=-446/0, 2-12=-3179/0, 3-12=-3179/0, 3-13=-3179/0, 4-13=-3179/0	
BOT CHORD	7-8=0/2399, 6-7=0/2431	
WEBS	3-7=-1063/0, 2-8=-2859/0, 2-7=0/957, 4-6=-2907/0, 4-7=0/918	

- 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 2-0-0 oc max. starting at 0-7-0 from the left end to 4-7-0 to connect truss(es) to front face of top chord.
 - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 1-4-8 from the left end to connect truss(es) to back face of top chord.
 - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-4-8 from the left end to 5-4-8 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (lb/ft)	
Vert: 6-8=-10, 1-5=-100	
Concentrated Loads (lb)	
Vert: 2=-467 (B), 4=-742 (F), 11=-772 (F), 12=-742 (F), 13=-467 (B), 14=-501 (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 - TELFAIR 2ND FLR
72500435	FG2	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. Tue Jan 07 11:44:29

Page: 1

ID:a?q6?71yTv6SHVH?OIzqv2z8gqv-D8uqvEN?DR?C94J?AtBf6iXUJhRHTixdR1EXePzxmIG

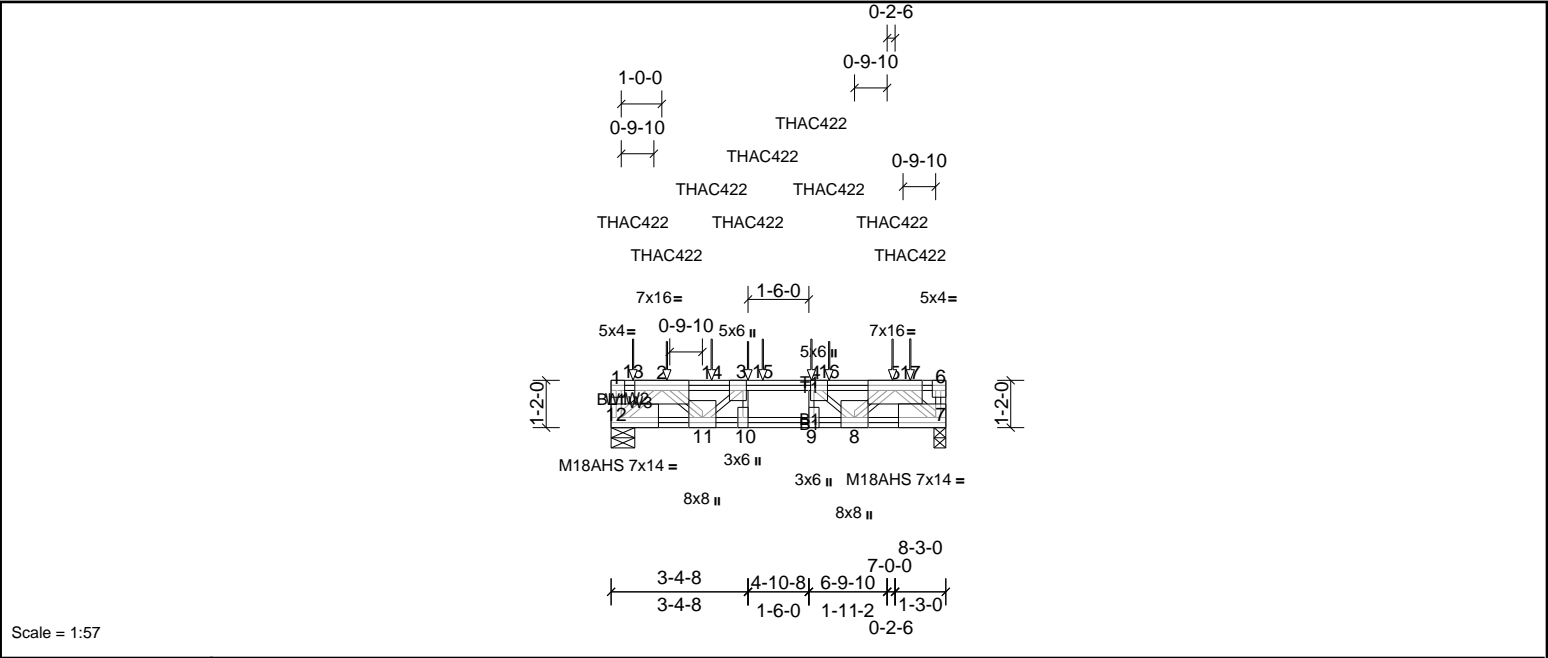


Plate Offsets (X, Y): [1:Edge,0-3-0], [3:0-3-0,Edge], [4:0-3-0,Edge], [6:0-1-8,Edge], [7:Edge,0-3-0], [9:0-3-0,Edge], [12:Edge,0-3-0]

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	0.83	Vert(LL)	-0.07	10-11	>999	480	M18AHS 186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.13	10	>766	360	MT20 244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.03	7	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 72 lb FT = 20%F, 12%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-4-12 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)	7=4416/0-3-8, (min. 0-3-0), 12=4274/0-7-0, (min. 0-2-14)
	Max Grav	7=4446 (LC 4), 12=4274 (LC 1)

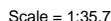
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-12=-566/0, 6-7=-368/0, 2-14=-6834/0, 3-14=-6834/0, 3-15=-8947/0, 4-15=-8947/0, 4-16=-6969/0, 5-16=-6969/0
BOT CHORD	11-12=0/4523, 10-11=0/8962, 9-10=0/8947, 8-9=0/8941, 7-8=0/4979
WEBS	3-10=-619/300, 4-9=-390/523, 5-7=-6423/0, 5-8=0/3105, 4-8=-3345/0, 2-12=-5835/0, 2-11=0/3349, 3-11=-3424/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - The Fabrication Tolerance at joint 12 = 8%, joint 7 = 8%
 - 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 THAC422 (6-16d Girder, 6-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-4-8 from the left end to 7-4-8 to connect truss(es) to front face of top chord.
 - Use Simpson Strong-Tie THAC422 (6-16d Girder, 6-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-6-8 from the left end to 6-11-4 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
1) 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: 3=-467 (F), 4=-1044 (B), 5=-1044 (B), 2=-467 (F), 13=-1074 (B), 14=-1044 (B), 15=-1044 (B), 16=-467 (F), 17=-1159 (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. Tue Jan 07 11:44:29 Page: 1
ID:a?q6?77yTv6SHVh?OIzqv2z8gqv-D8uqvEN?DR?C94J?AtBf6IXf6he7TuwdR1EXePzxmG



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 15-11-8.
(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.



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.



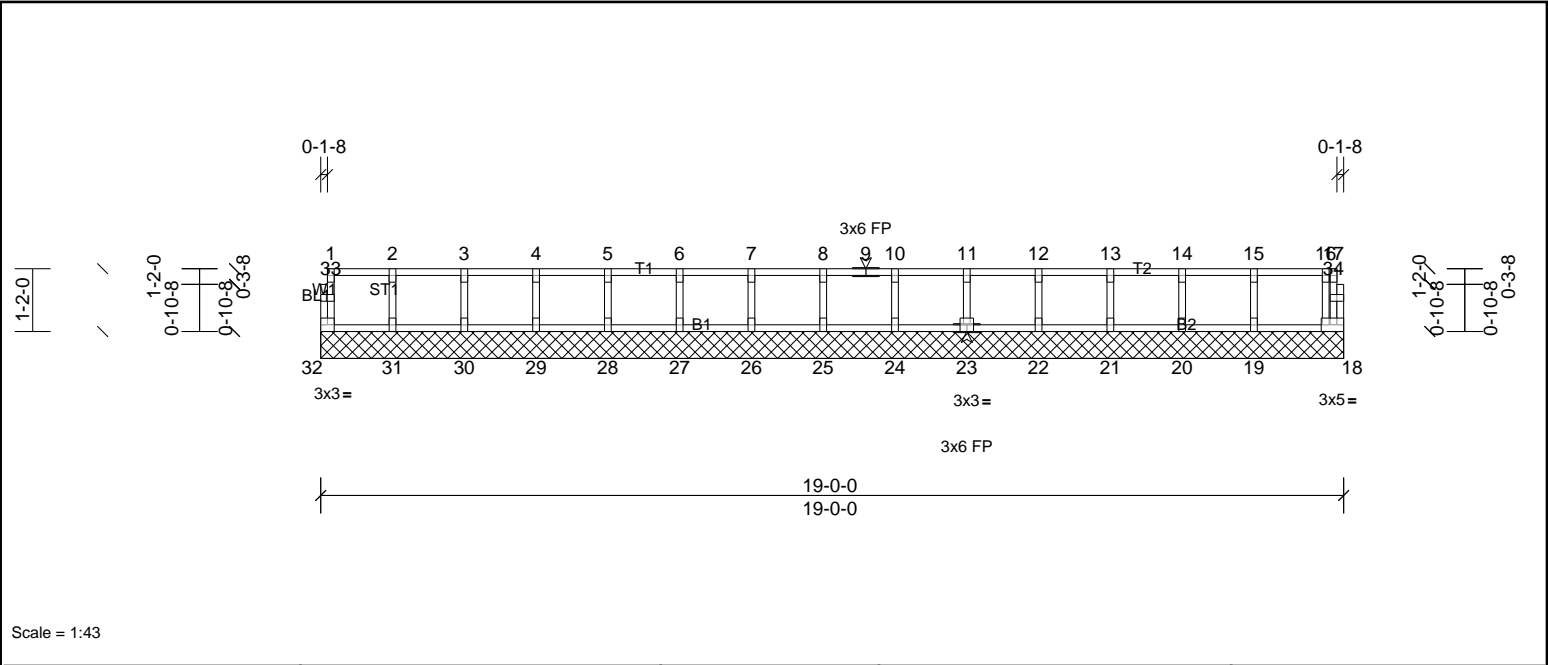
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	K201	Truss	1	1	Job Reference (optional)

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. Tue Jan 07 11:44:29

Page: 1

ID:8SoLh22UeLu2PMs6EKMk9Kz1jeJ-D8uqvEN?DR?C94J?AtBf6IXfzhexTuudR1EXePzxmIG



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	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 80 lb	FT = 20%F, 12%E

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

REACTIONS All bearings 19'-0".

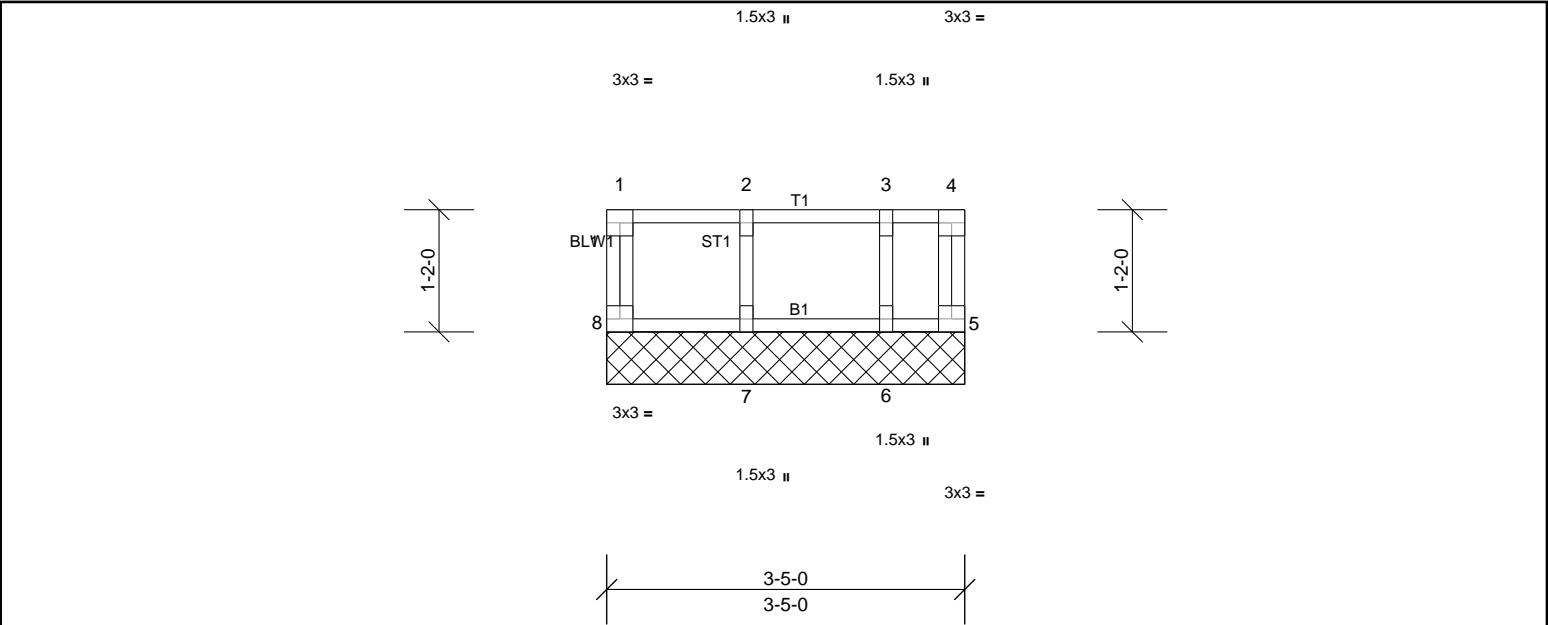
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32

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" 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.



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72500435	K203	Truss	1	1	Job Reference (optional)



Scale = 1:22.1

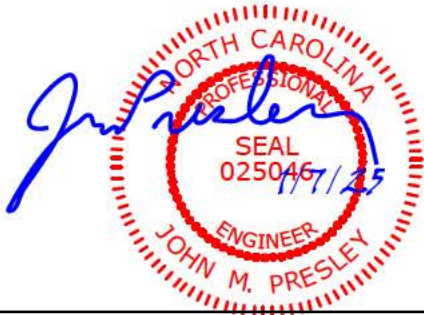
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 18 lb	FT = 20%F, 12%E

LUMBER		BRACING	
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)		

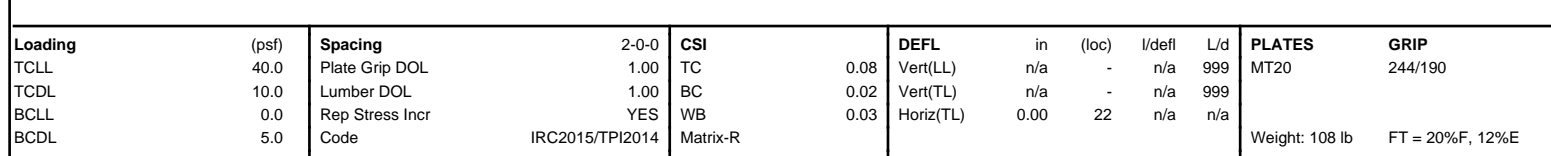
REACTIONS All bearings 3-5-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 5, 6, 7, 8

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

- NOTES**
- 1) Gable requires continuous bottom chord bearing.
 - 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 3) Gable studs spaced at 1-4-0 oc.
 - 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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. Tue Jan 07 11:44:30 Page: 1



REACTIONS	All bearings 26-0-8.
(lb) - Max Grav	All reactions 250 (lb) or less at joint(s) 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

A circular red ink seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "JOHN M. PRESLEY" at the bottom. Inside the ring, the words "PROFESSIONAL" and "ENGINEER" are positioned at the top and bottom respectively. In the center, the word "SEAL" is above the license number "025046". A blue ink signature "John Presley" is written across the seal, and the date "11/7/25" is handwritten in blue ink to the right of the seal.

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 - TELFAIR 2ND FLR
72500435	K205	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. Tue Jan 07 11:44:30

Page: 1

ID:a?q6?771yTv6SHVH?OIZqv2z8gqv-hLRC6aOe_k73nEuCkbiuev3qp5_OCL8mfhz4AszxmIF

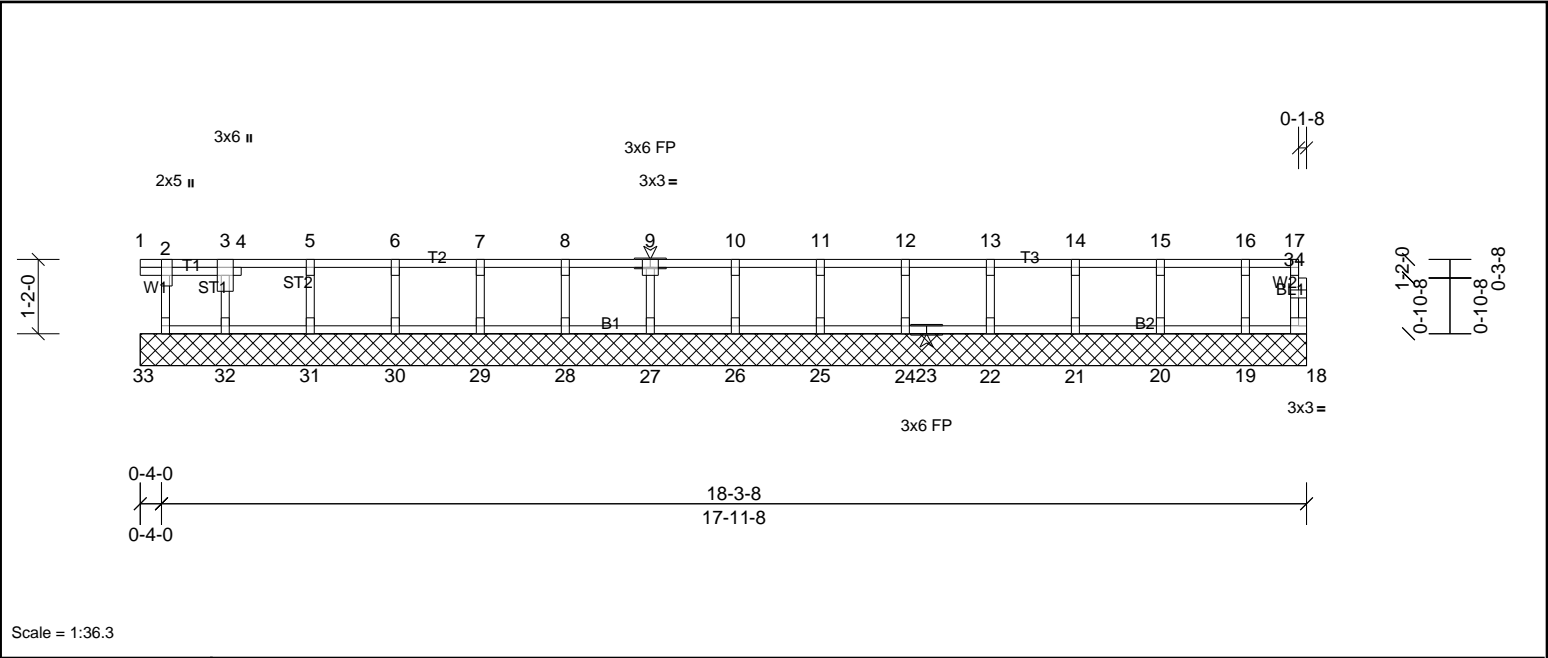


Plate Offsets (X, Y): [2:0-3-0,Edge]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 77 lb	FT = 20%F, 12%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 18-3-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 24, 25, 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.
7) CAUTION, Do not erect truss backwards.

