

Job 72435095	Truss F200	Truss Type Truss	Qty 10	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. Thu Nov 07 13:40:03

Page: 1

ID:Y?I0TELA5G72hK6FRQkx8OyE?ZL-zsYAc8WQbqNnHNLCEilvx5xc\_ynNVVxhEhVJoEyLZxw

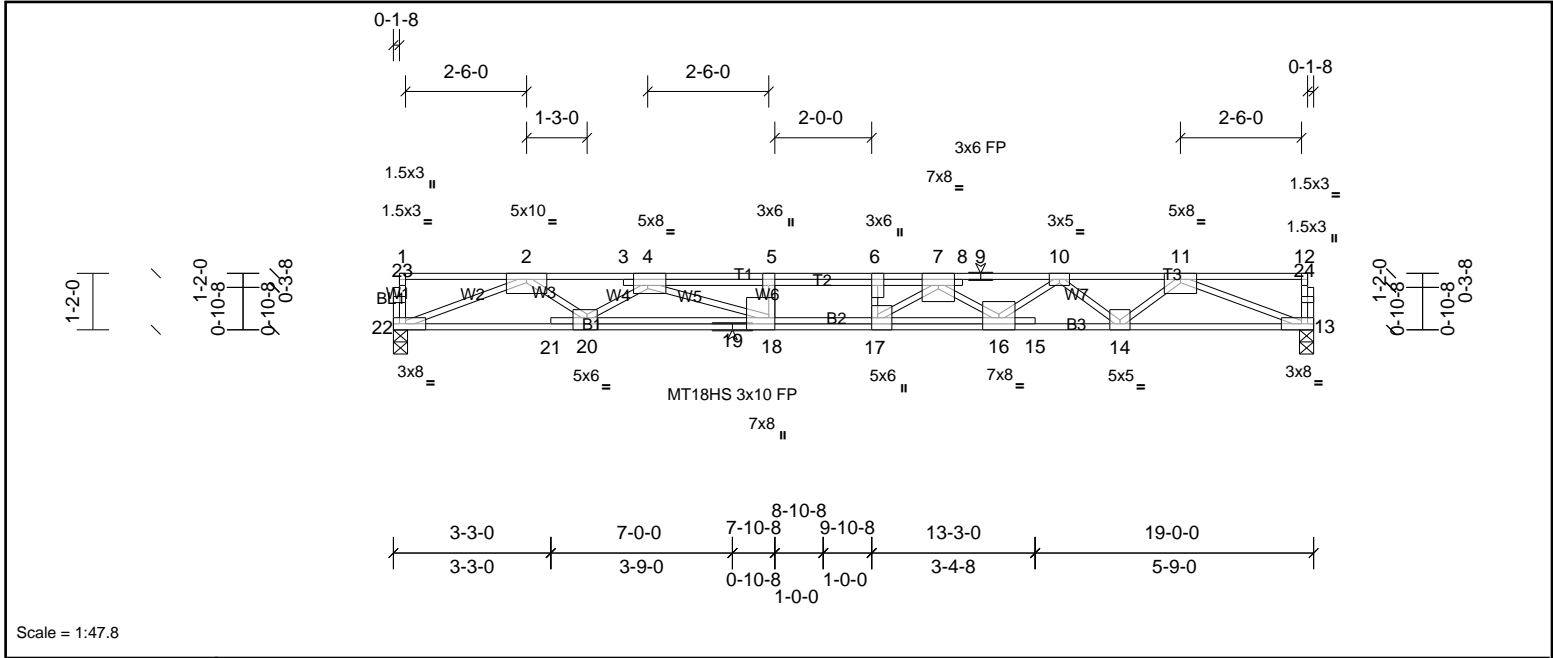


Plate Offsets (X, Y): [4:0-3-8,Edge], [6:0-3-0,Edge], [17:0-3-0,Edge], [18:0-3-0,Edge], [20:0-2-8,Edge]

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	0.76	Vert(LL)	-0.28	16-17	>802	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.55	16-17	>410	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	IRC2021/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 4-11-2 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) 13=1433/0-3-8, (min. 0-1-8), 22=1438/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-4420/0, 3-4=-4413/0, 4-5=-7400/0, 5-6=-7400/0, 6-7=-7400/0, 7-8=-6027/0, 8-9=-6045/0, 9-10=-6045/0, 10-11=-4210/0

BOT CHORD 21-22=0/3215, 20-21=0/3207, 19-20=0/5697, 18-19=0/5697, 17-18=0/7400, 16-17=0/6849, 15-16=0/5255, 14-15=0/5268, 13-14=0/3188

WEBS 5-18=-503/0, 6-17=-454/0, 11-13=-3420/0, 11-14=0/1331, 10-14=-1376/0, 10-16=0/987, 7-16=-997/0, 7-17=0/1027, 2-22=-3449/0, 2-20=0/1530, 4-20=-1583/0, 4-18=0/1953

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are MT20 plates unless otherwise indicated.
  - 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.

**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=-140, 5-6=-176, 6-12=-140



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 72435095	Truss F201	Truss Type Truss	Qty 2	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

UFPI 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. Thu Nov 07 13:40:03

Page: 1

ID:FogodrQdAJ2S4IDz1dGQAyyE?Sn-zsYAc8WQbqNnHNLCEilvx5xc\_yo0VdNhEhVJoEyLZxw

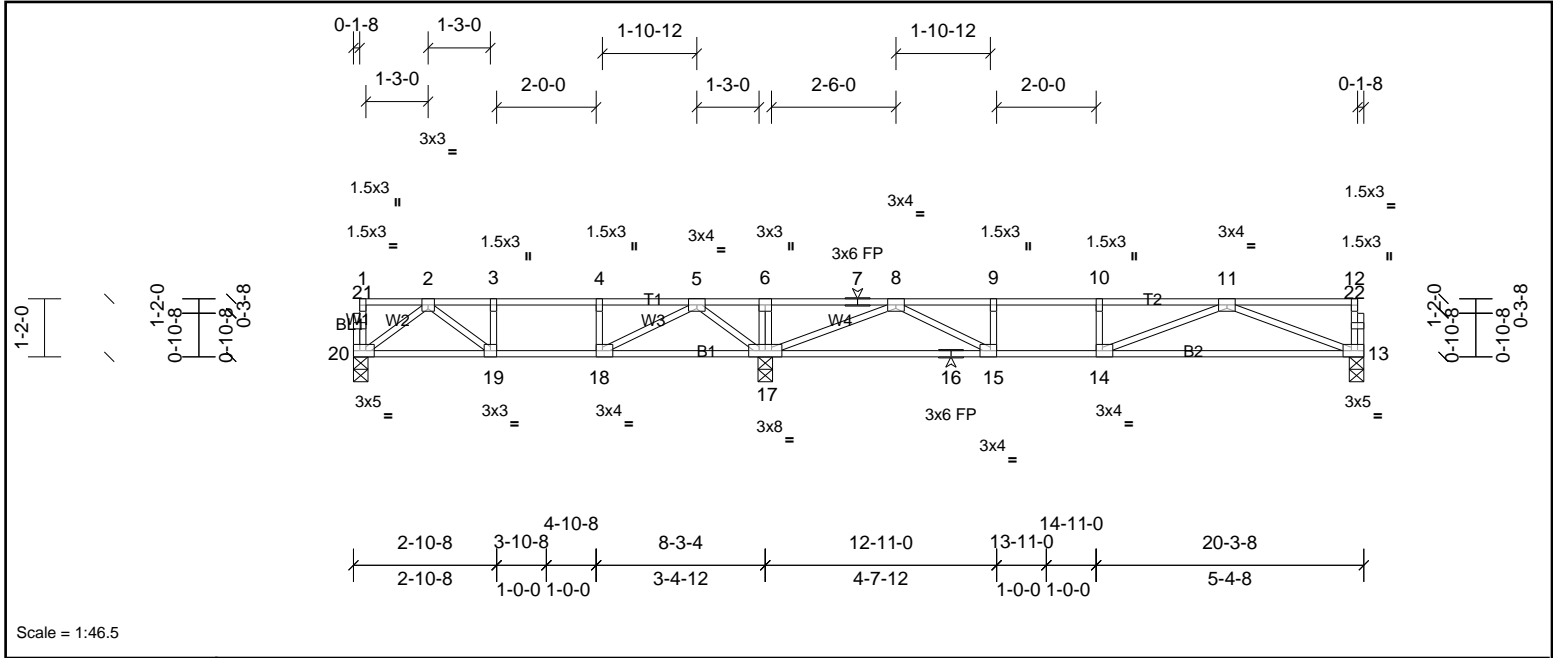


Plate Offsets (X, Y): [13:0-2-0,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [18:0-1-8,Edge], [20:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.19	13-14	>749	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.30	13-14	>476	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.03	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 98 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, Except: 6-0-0 oc bracing: 17-18.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

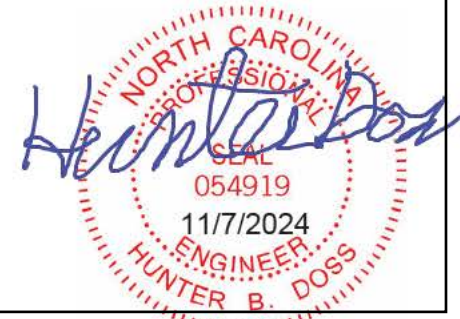
  

REACTIONS	(lb/size)
	13=601/0-3-8, (min. 0-1-8), 17=1213/0-3-8, (min. 0-1-8), 20=378/0-3-8, (min. 0-1-8)
Max Grav	13=621 (LC 7), 17=1213 (LC 1), 20=417 (LC 10)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-757/0, 3-4=-757/0, 4-5=-757/0, 5-6=0/607, 6-7=0/616, 7-8=0/616, 8-9=-1684/0, 9-10=-1684/0, 10-11=-1684/0
BOT CHORD	19-20=0/465, 18-19=0/757, 17-18=-150/342, 16-17=0/1067, 15-16=0/1067, 14-15=0/1684, 13-14=0/1254
WEBS	4-18=-268/0, 9-15=-301/0, 2-20=-579/0, 2-19=0/373, 11-13=-1342/0, 11-14=0/464, 6-17=-250/0, 5-17=-694/0, 5-18=0/663, 8-17=-1471/0, 8-15=0/789

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 4) CAUTION, Do not erect truss backwards.



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.



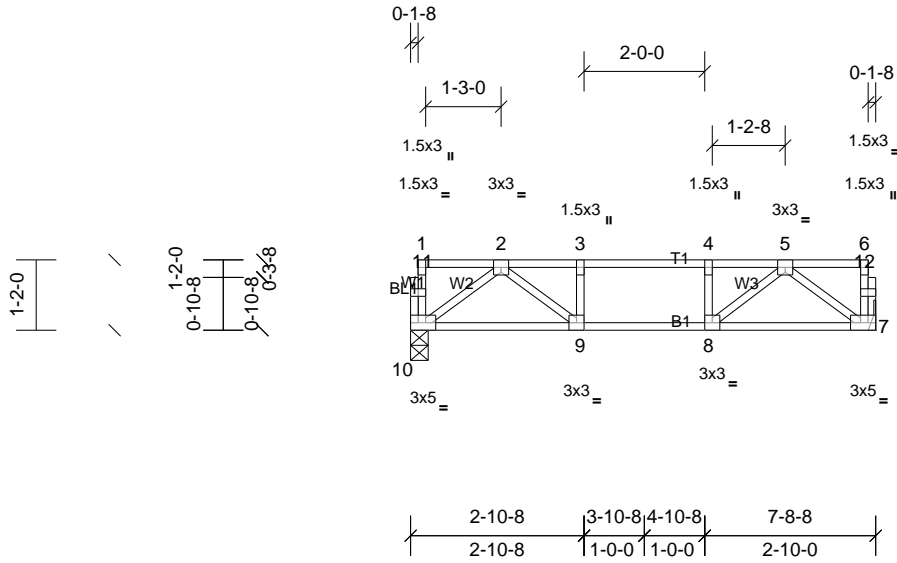
Job 72435095	Truss F202	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:03

Page: 1

ID: CUI2sXDme91MoWStEQcyaDyE\_Tn-zsYAc8WbqNnHNLCEilvx5xj2yvHVhrhEhVJoEyLZxw



Scale = 1:38.3

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	0.31	Vert(LL)	-0.03	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.28	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	IRC2021/TPI2014	Matrix-SH							Weight: 39 lb	FT = 20%F, 11%E

**LUMBER**

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

**BRACING**

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

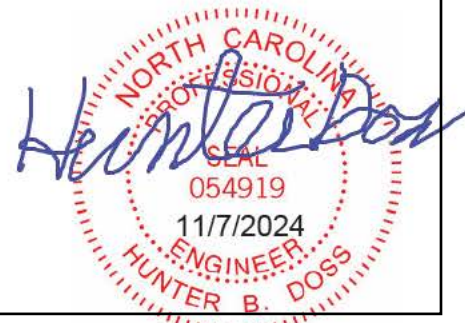
**REACTIONS** (lb/size) 7=404/ Mechanical, (min. 0-1-8), 10=404/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-705/0, 3-4=-705/0, 4-5=-705/0  
 BOT CHORD 9-10=0/446, 8-9=0/705, 7-8=0/446  
 WEBS 2-10=-555/0, 2-9=0/374, 5-7=-555/0, 5-8=0/378

**NOTES**

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



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 72435095	Truss F203	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. Thu Nov 07 13:40:03

Page: 1

ID:FogodrQdAJ2S4tDz1dGQAYyE?Sn-zsYAc8WQbqNnHNLCEilvx5xdRyp1VcRhEhVJoEyLZxw

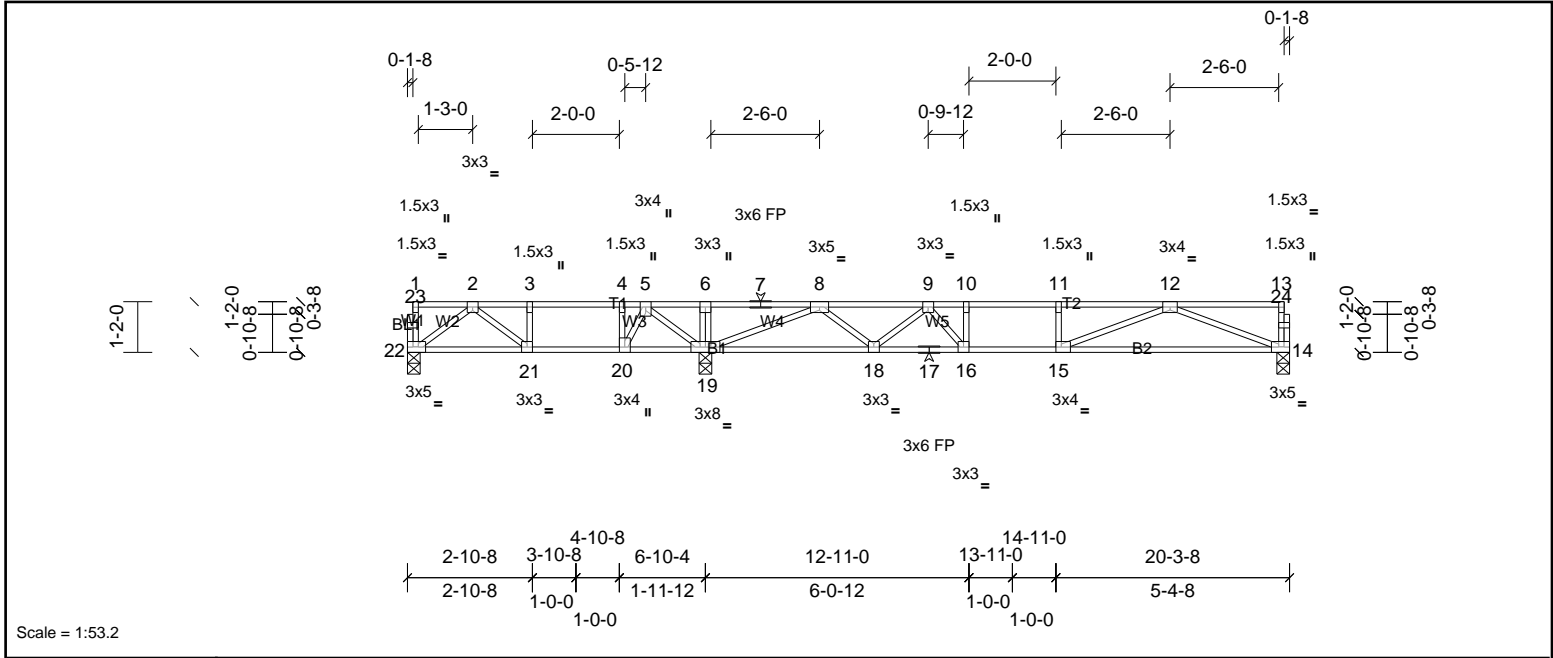


Plate Offsets (X, Y): [14:0-2-0,Edge], [15:0-1-8,Edge], [22:0-2-0,Edge]

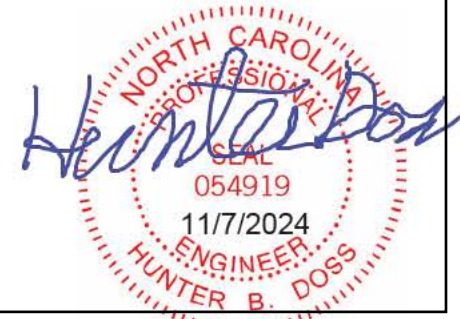
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.67	Vert(LL)	-0.14	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.24	14-15	>674	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 100 lb	FT = 20%F, 11%E

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

REACTIONS	(lb/size)	14=680/0-3-8, (min. 0-1-8), 19=1232/0-3-8, (min. 0-1-8), 22=280/0-3-8, (min. 0-1-8)
Max Grav		14=686 (LC 7), 19=1232 (LC 1), 22=351 (LC 3)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-518/160, 3-4=-518/160, 4-5=-518/160, 5-6=0/603, 6-7=0/612, 7-8=0/612, 8-9=-1540/0, 9-10=-2067/0, 10-11=-2067/0, 11-12=-2067/0
BOT CHORD	21-22=-18/375, 20-21=-160/518, 19-20=-348/337, 18-19=0/1115, 17-18=0/1928, 16-17=0/1928, 15-16=0/2067, 14-15=0/1420
WEBS	4-20=-501/0, 6-19=-259/0, 10-16=-284/0, 2-22=-467/23, 5-19=-602/0, 5-20=0/671, 12-14=-1521/0, 12-15=0/726, 8-19=-1693/0, 8-18=0/575, 9-18=-536/0, 9-16=0/457

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 4) CAUTION, Do not erect truss backwards.



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.



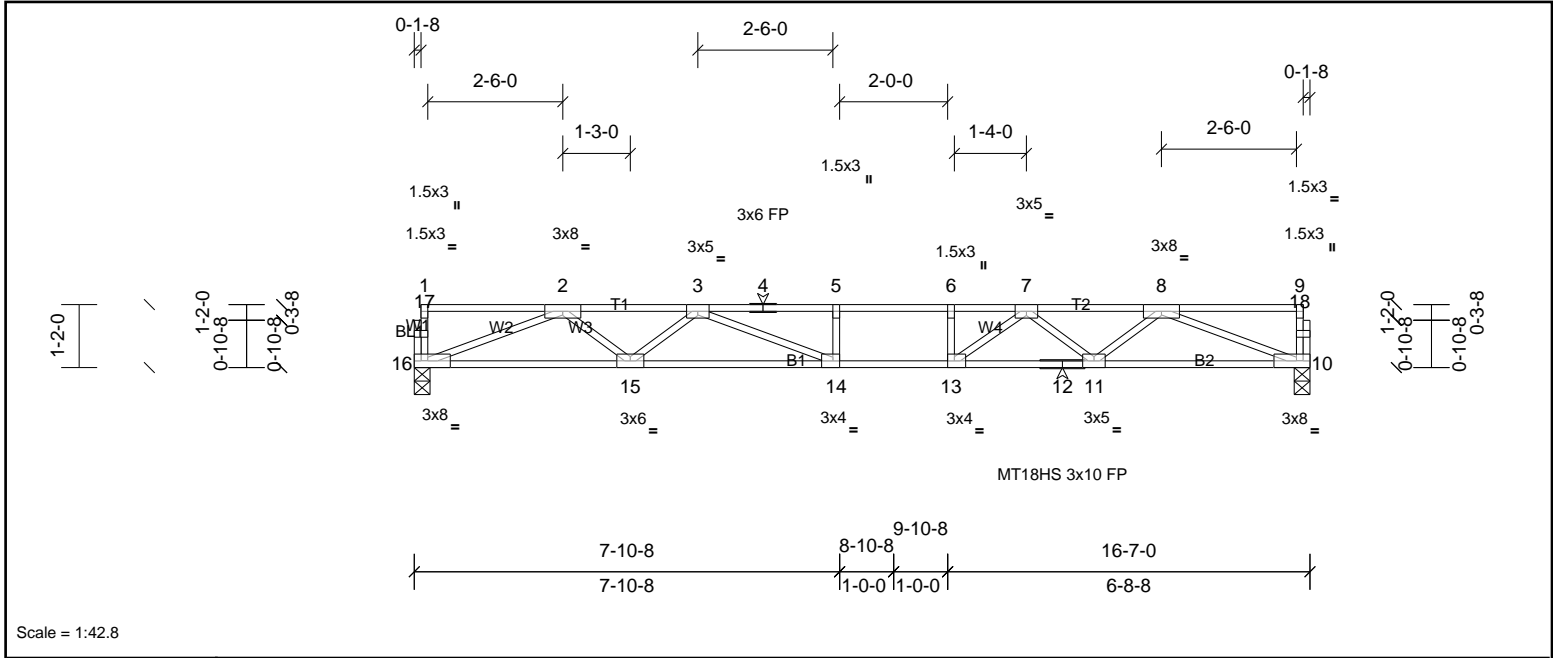
Job 72435095	Truss F204	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:04

Page: 1

ID:r1axiFokt35eqFuBri7h64yE?S1-R36YpUW2M8VevXwOBPp8UITjYL8kE\_krTLEsLgylZxv



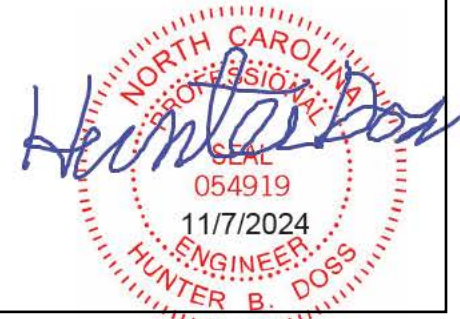
Scale = 1:42.8

Plate Offsets (X, Y):	[13:0-1-8,Edge], [14:0-1-8,Edge]											
<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	0.97	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	IRC2021/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.
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)	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

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are MT20 plates unless otherwise indicated.
  - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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 72435095	Truss F205	Truss Type Truss	Qty 9	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. Thu Nov 07 13:40:04

Page: 1

ID:z4viZKaDoV0\_zU\_D54TiW\_yE?RI-R36YpUW2M8VevXwOBPp8UITmYL7HEzVrTLEsLgylZxv

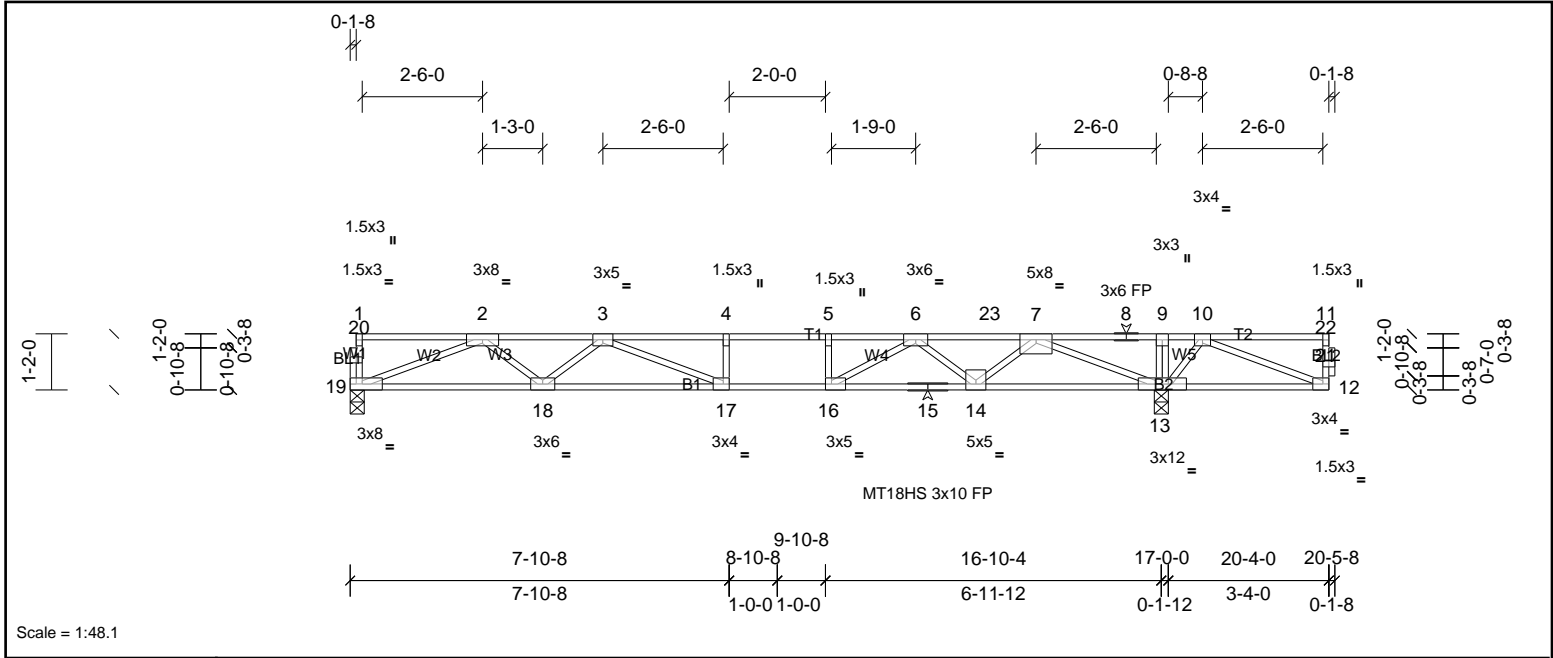


Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.27	17-18	>741	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.49	17-18	>405	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.07	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH								Weight: 100 lb FT = 20%F, 11%E

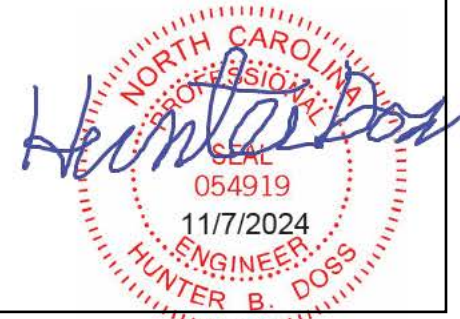
LUMBER	BRACING
TOP CHORD 2x4 SP SS(flat)	TOP CHORD Structural wood sheathing directly applied or 5-6-15 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-13.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS	(lb/size)	13=2074/0-3-8, (min. 0-1-8), 19=1191/0-3-8, (min. 0-1-8)
	Max Grav	13=2074 (LC 1), 19=1219 (LC 3)

FORCES	(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=0/998
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

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - All plates are MT20 plates unless otherwise indicated.
  - 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: 12-19=-10, 1-23=-140, 11-23=-176



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 72435095	Truss F207	Truss Type Truss	Qty 3	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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

Run: 8.810 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Thu Nov 07 13:40:04

Page: 1

ID:DdXO9rlsgxZTAiZlCgYnyeyE?QM-R36YpUW2M8VevXwOBPp8UITIKL85EzOrTLEsLgylZxv

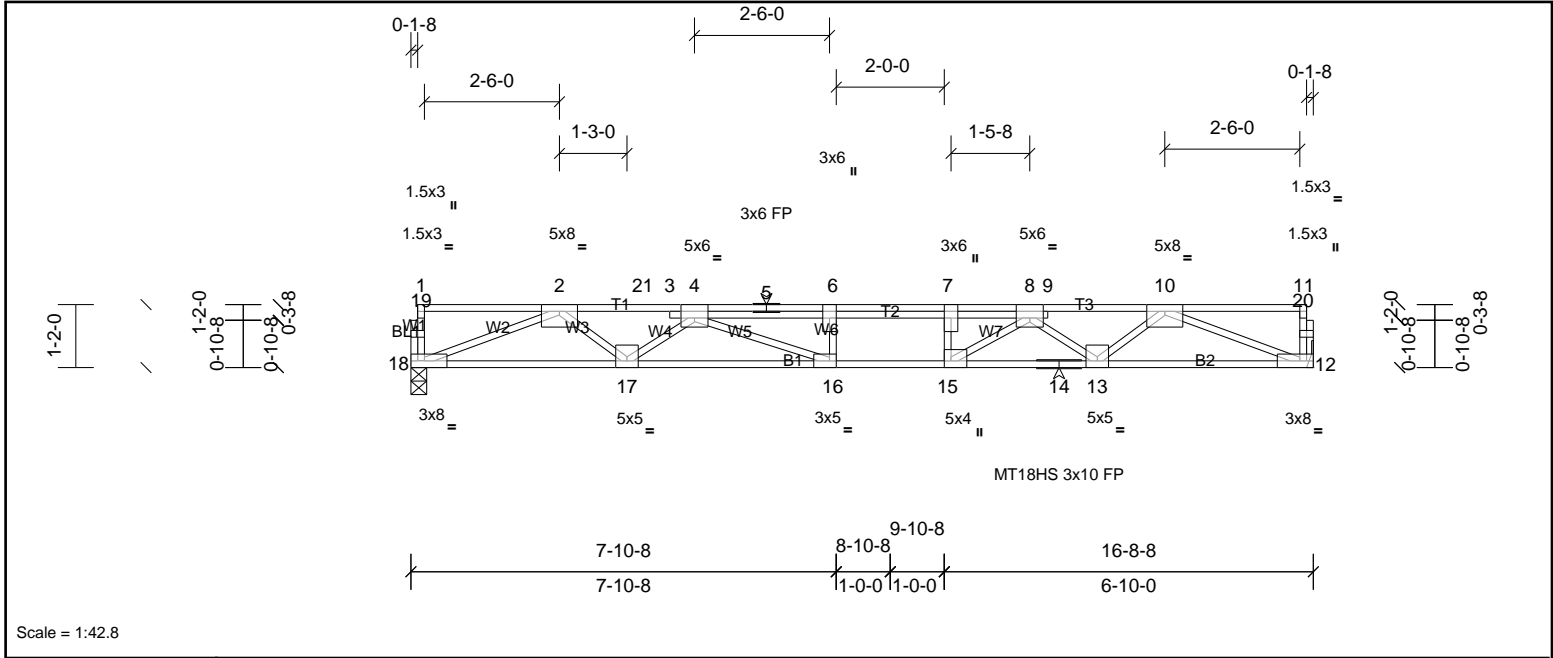


Plate Offsets (X, Y): [4:0-3-0,Edge], [7:0-3-0,Edge], [8:0-3-0,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.85	Vert(LL)	-0.21	16-17	>947	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	IRC2021/TPI2014	Matrix-SH								Weight: 90 lb FT = 20%F, 11%E

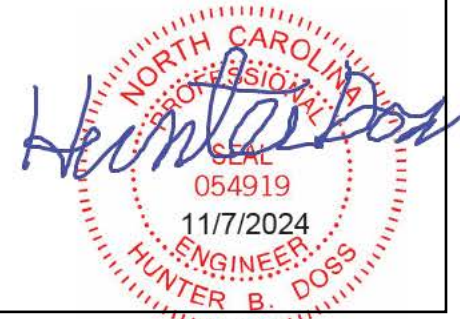
LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-1-1 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

**REACTIONS** (lb/size) 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=-3949/0, 3-21=-3949/0, 3-4=-3946/0, 4-5=-5760/0, 5-6=-5760/0, 6-7=-5760/0, 7-8=-5760/0, 8-9=-3767/0, 9-10=-3799/0  
 BOT CHORD 17-18=0/2953, 16-17=0/4946, 15-16=0/5760, 14-15=0/4744, 13-14=0/4744, 12-13=0/2882  
 WEBS 6-16=-373/0, 7-15=-698/0, 10-12=-3091/0, 10-13=0/1193, 8-13=-1201/0, 8-15=0/1433, 2-18=-3167/0, 2-17=0/1297, 4-17=-1267/0, 4-16=0/1131

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are MT20 plates unless otherwise indicated.
  - 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.

**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



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.





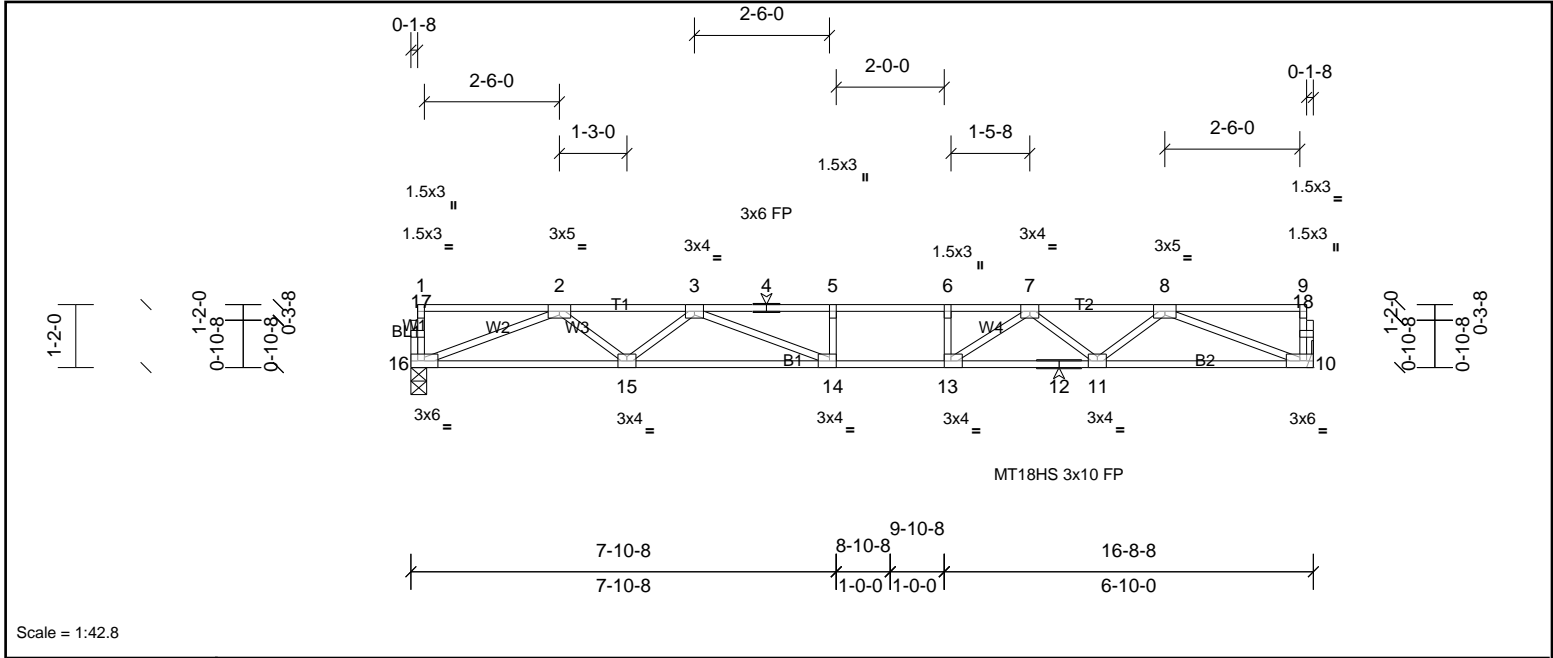
Job 72435095	Truss F208	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:04

Page: 1

ID:xMjSyl27JhFp\_4kUh\_84wVYE?PP-R36YpUW2M8VevXwOBpp8UITIEL67E2wrTLEsLgYLzXv



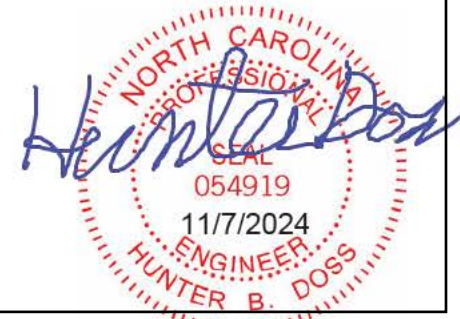
Scale = 1:42.8

Plate Offsets (X, Y):		[13:0-1-8,Edge], [14:0-1-8,Edge]										
<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	0.86	Vert(LL)	-0.31	14-15	>638	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.42	14-15	>467	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 81 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 2-2-0 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)		

<b>REACTIONS</b>	(lb/size)	10=899/ Mechanical, (min. 0-1-8), 16=899/0-3-8, (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=-2567/0, 3-4=-3528/0, 4-5=-3528/0, 5-6=-3528/0, 6-7=-3528/0, 7-8=-2536/0
BOT CHORD		15-16=0/1964, 14-15=0/3104, 13-14=0/3528, 12-13=0/3086, 11-12=0/3086, 10-11=0/1964
WEBS		6-13=-305/0, 2-16=-2106/0, 2-15=0/785, 3-15=-699/0, 3-14=0/758, 8-10=-2103/0, 8-11=0/748, 7-11=-716/0, 7-13=0/787

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are MT20 plates unless otherwise indicated.
  - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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.



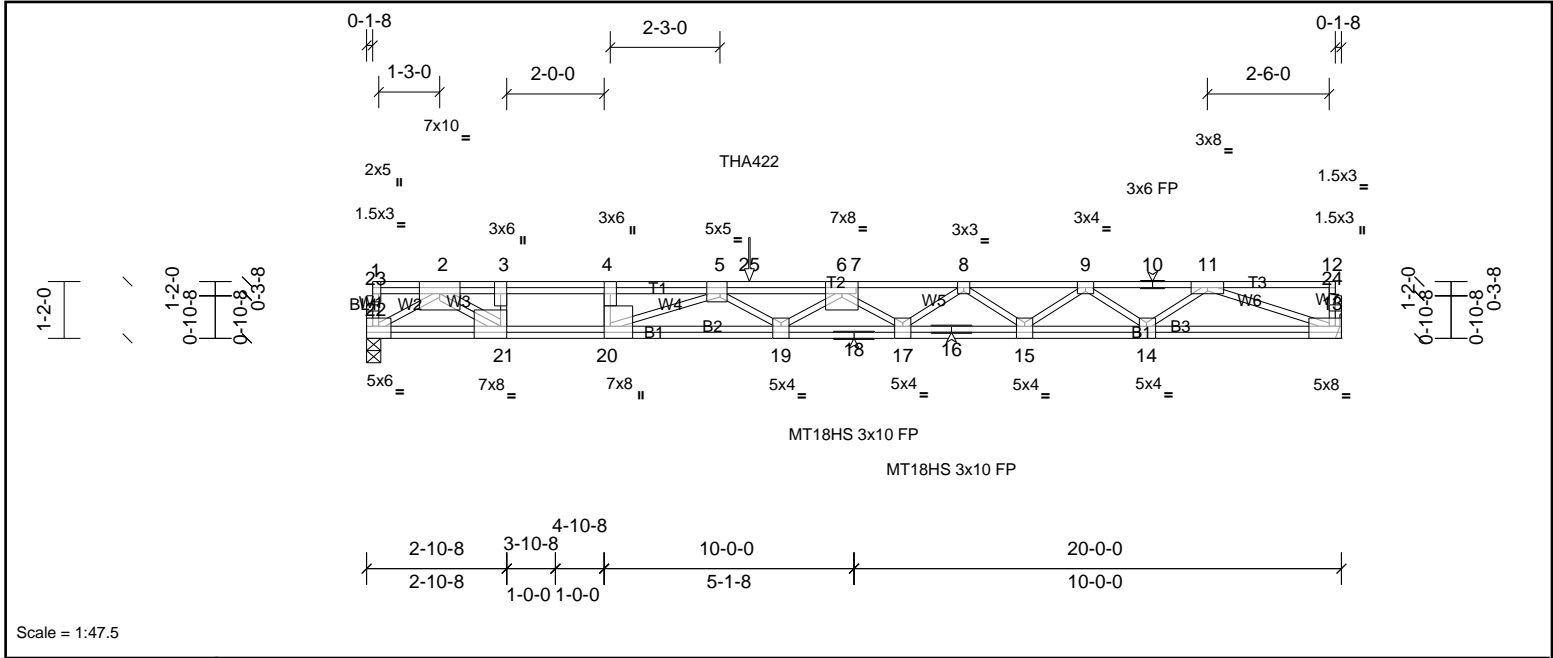
Job 72435095	Truss FG1	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:04

Page: 1

ID:jHq03Cnxq0m89H4Hdh6wJfYfE?FQ-R36YpUW2M8VevXwOBPp8UITKXL73E\_ArTLEsLgylZxv



Scale = 1:47.5

Plate Offsets (X, Y): [4:0-3-0,Edge], [5:0-1-12,Edge], [13:Edge,0-3-0], [14:0-1-12,Edge], [15:0-2-0,Edge], [17:0-2-0,Edge], [19:0-2-0,Edge], [20:0-3-0,Edge], [21:0-1-8,Edge], [22:0-3-0,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	0.91	Vert(LL)	-0.45	19-20	>528	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.61	19-20	>384	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.04	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH								Weight: 141 lb FT = 20%F, 11%E

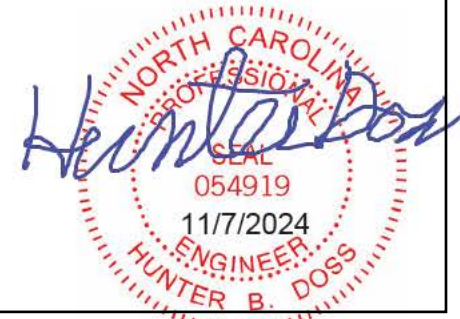
LUMBER	BRACING
TOP CHORD 2x4 SP SS(flat)	TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS	(lb/size)	13=1165/ Mechanical, (min. 0-1-8), 22=1213/0-3-8, (min. 0-1-8)
	Max Grav	13=1182 (LC 4), 22=1213 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-4061/0, 3-4=-4061/0, 4-5=-4061/0, 5-25=-6759/0, 6-25=-6759/0, 6-7=-6088/0, 7-8=-6188/0, 8-9=-5297/0, 9-10=-3712/0, 10-11=-3712/0
BOT CHORD	21-22=0/1862, 20-21=0/4061, 19-20=0/6632, 18-19=0/6608, 17-18=0/6608, 16-17=0/5860, 15-16=0/5860, 14-15=0/4671, 13-14=0/2854
WEBS	3-21=-1260/0, 4-20=0/593, 2-22=-2151/0, 2-21=0/2864, 11-13=-3006/0, 11-14=0/1093, 9-14=-1218/0, 9-15=0/795, 8-15=-716/0, 8-17=0/417, 6-17=-520/0, 5-20=-2810/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - All plates are MT20 plates unless otherwise indicated.
  - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 7-10-4 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: 13-22=-10, 1-12=-100
Concentrated Loads (lb)	Vert: 25=-220 (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.



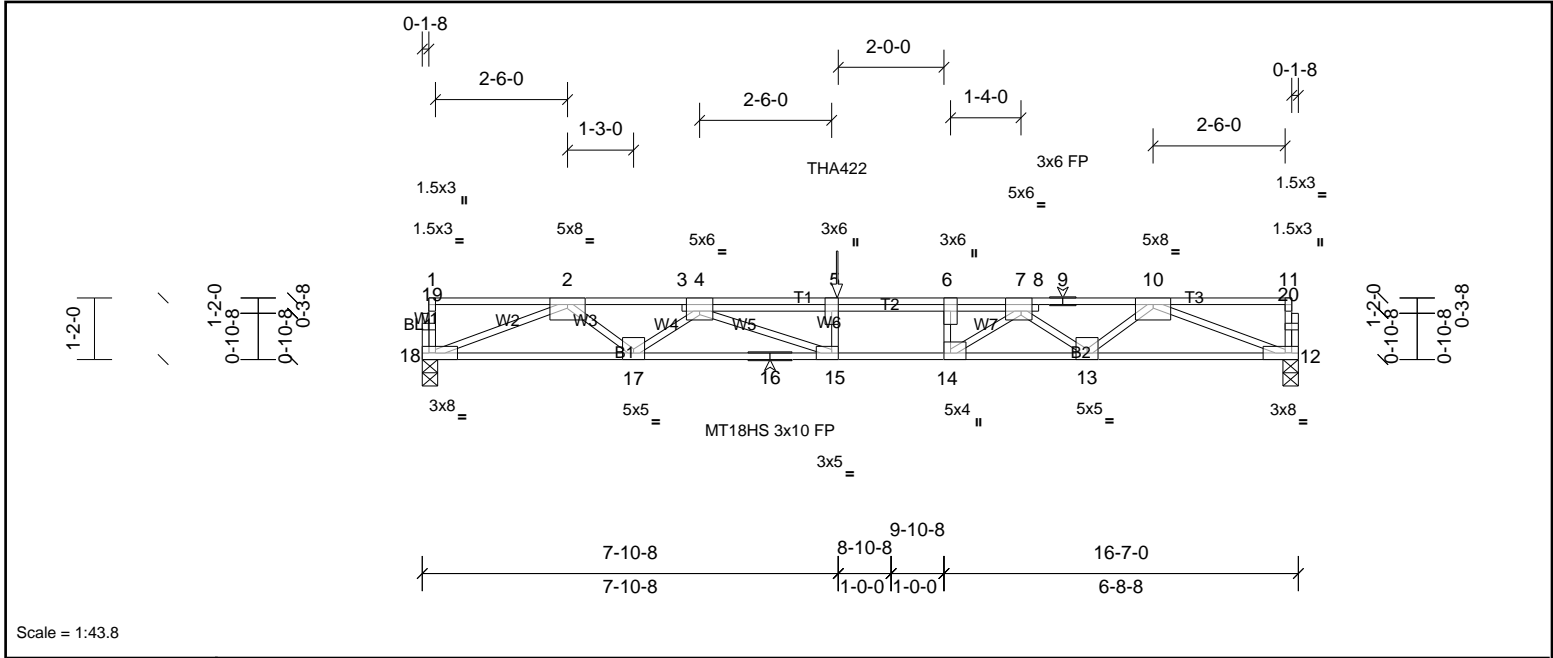
Job 72435095	Truss FG2	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:05

Page: 1

ID:9wPDsvsVaW4cYkLCLVRSonyE\_LD-vFgx1qXg7SdVXhVbl7KN0W0vEIT9zQz\_i?\_Qt6yLZxu



Scale = 1:43.8

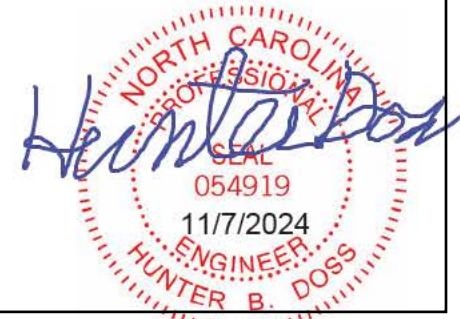
Plate Offsets (X, Y):	[4:0-3-0,Edge], [6:0-3-0,Edge], [7:0-2-8,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge]											
<b>Loading</b>	(psf)	<b>Spacing</b>	2-0-0	<b>CSI</b>		<b>DEFL</b>	in	(loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	40.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.26	15-17	>761	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.45	15-17	>434	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 89 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 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)		

<b>REACTIONS</b>	(lb/size)	12=1301/0-3-8, (min. 0-1-8), 18=1311/0-3-8, (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=-3832/0, 3-4=-3805/0, 4-5=-5687/0, 5-6=-5687/0, 6-7=-5687/0, 7-8=-3724/0, 8-9=-3755/0, 9-10=-3755/0
BOT CHORD		17-18=0/2877, 16-17=0/4782, 15-16=0/4782, 14-15=0/5687, 13-14=0/4689, 12-13=0/2855
WEBS		5-15=-450/0, 6-14=-806/0, 10-12=-3062/0, 10-13=0/1172, 7-13=-1187/0, 7-14=0/1570, 2-18=-3086/0, 2-17=0/1242, 4-17=-1207/0, 4-15=0/1306

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - All plates are MT20 plates unless otherwise indicated.
  - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 7-10-4 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.
  - 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).

<b>LOAD CASE(S)</b>	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=-180 (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 72435095	Truss FG3	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	---

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

Run: 8.810 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Thu Nov 07 13:40:05

Page: 1

ID:2YMeRnnRhJzYswzaSXeE7TyE?l?-vFgx1qXg7SdVXhVbl7KN0W07alc\_zcV\_i?\_Qt6yLZxu

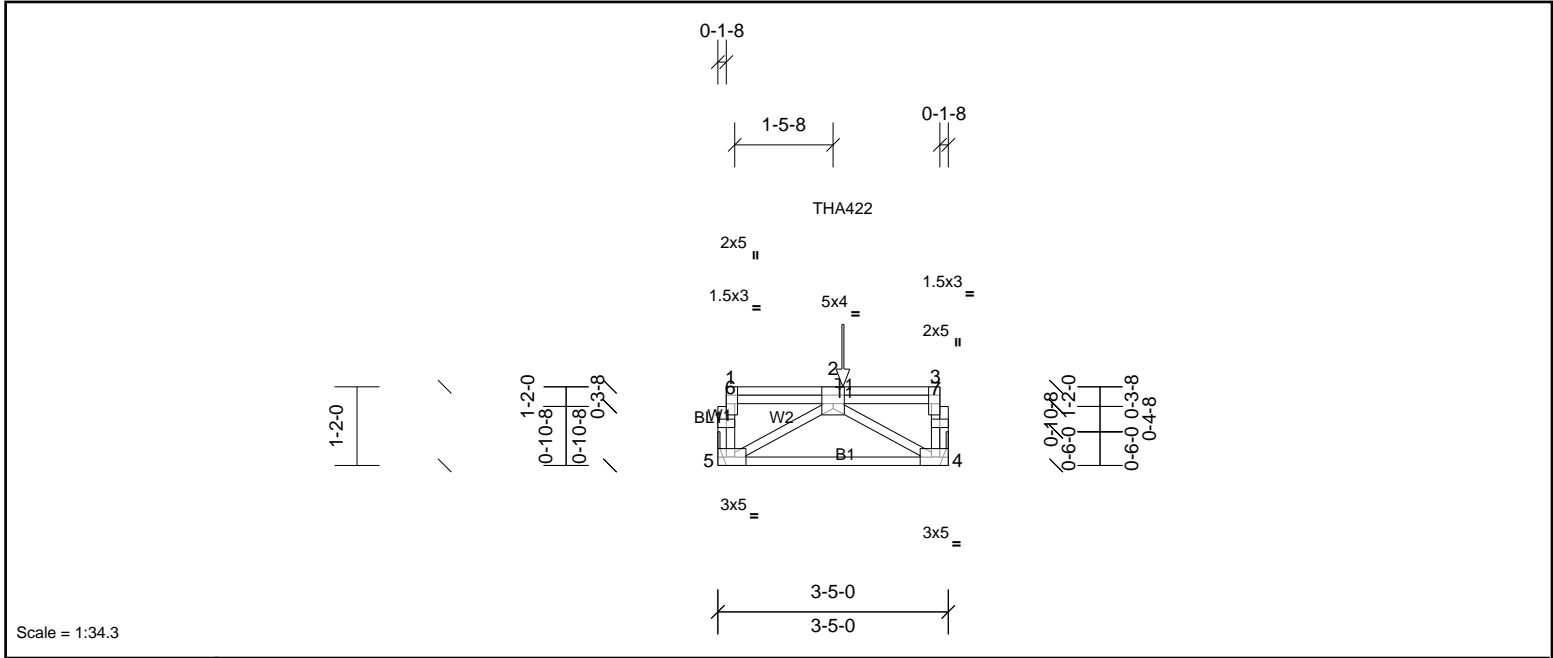


Plate Offsets (X, Y): [2:0-2-0,Edge], [3:0-3-0,Edge], [4:0-2-0,Edge], [5:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.20	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr		WB	0.11	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%F, 11%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** (lb/size) 4=320/ Mechanical, (min. 0-1-8), 5=320/ Mechanical, (min. 0-1-8)

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

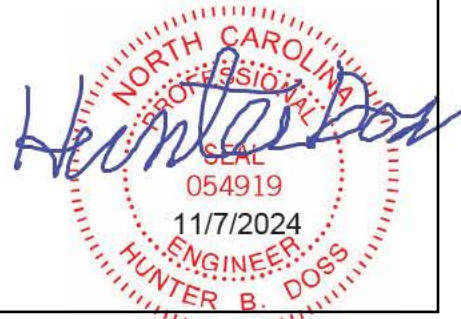
BOT CHORD 4-5=0/382

WEBS 2-4=-443/0, 2-5=-443/0

- NOTES**
- 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.
  - 2) 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.
  - 3) Fill all nail holes where hanger is in contact with lumber.
  - 4) 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=-304 (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 72435095	Truss FG4	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	---

UFPI 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. Thu Nov 07 13:40:05

Page: 1

ID:gl3Um8drLWaCY1RkjOML90yE?EK-vFgx1qXg7SdVXhVbI7KN0W062laczaW\_i?\_Qt6yLZxu

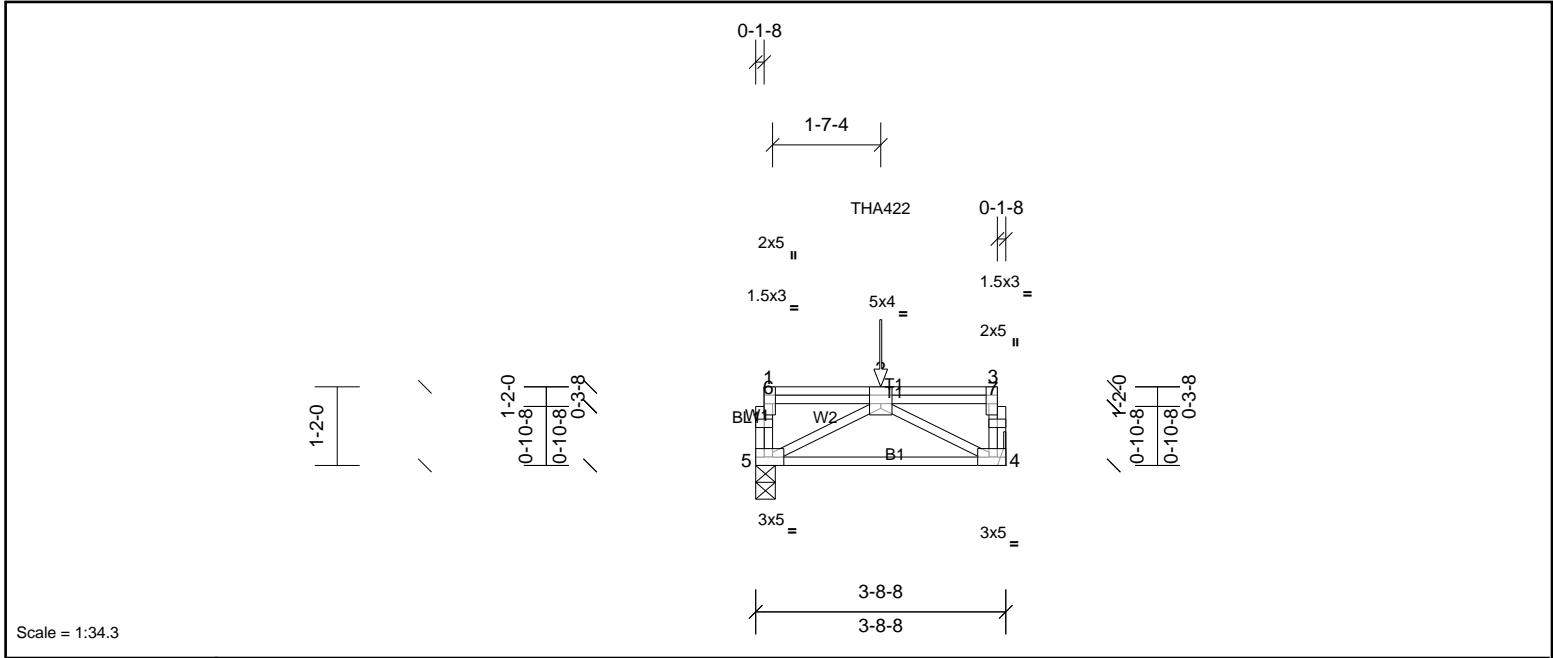


Plate Offsets (X, Y): [2:0-2-0,Edge], [3:0-3-0,Edge], [4:0-2-0,Edge], [5:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/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=583/ Mechanical, (min. 0-1-8), 5=583/0-3-8, (min. 0-1-8)

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

BOT CHORD 4-5=0/848

WEBS 2-4=-968/0, 2-5=-968/0

- NOTES**
- 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.
  - 2) 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.
  - 3) Fill all nail holes where hanger is in contact with lumber.
  - 4) 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

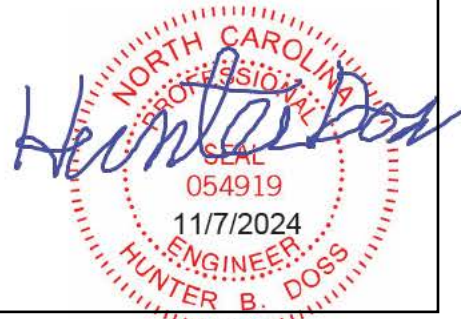
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 4-5=-10, 1-3=-100

Concentrated Loads (lb)

Vert: 2=-799 (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.



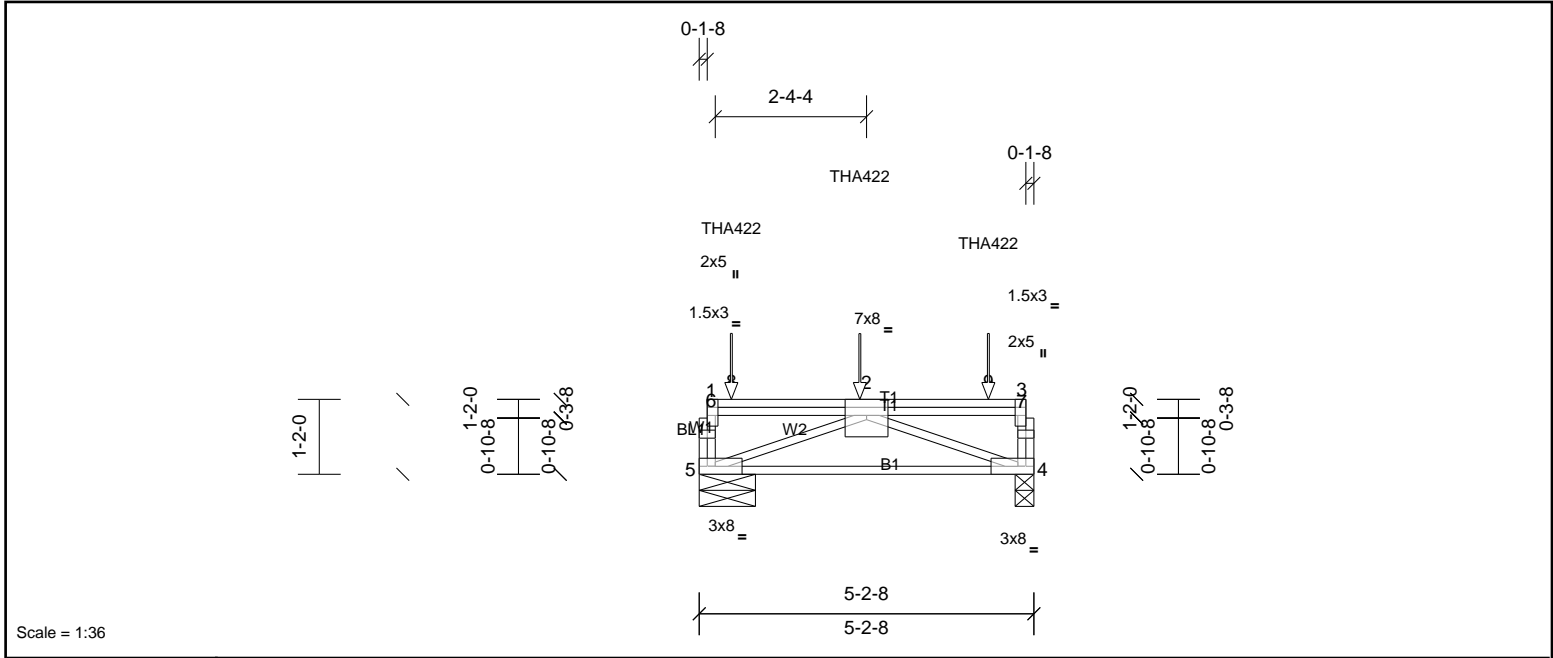
Job 72435095	Truss FG5	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:05

Page: 1

ID:5QsKfPUOdLX8ZxMONo8?X\_yE?DD-vFgx1qXg7SdVXhVbi7KN0W0wUIU6zSJ\_i?\_Qt6yLZxu



Scale = 1:36

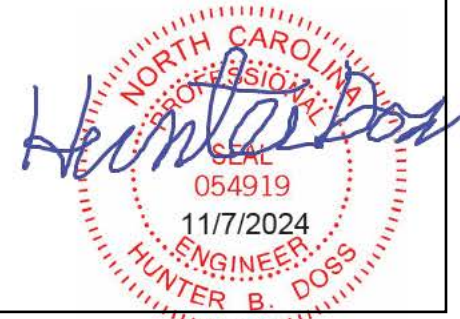
Plate Offsets (X, Y):	[3:0-3:0,Edge]											
<b>Loading</b>	(psf)	<b>Spacing</b>	2-0-0	<b>CSI</b>		<b>DEFL</b>	in	(loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	40.0	Plate Grip DOL	1.00	TC	0.89	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.09	4-5	>689	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.02	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-SH							Weight: 34 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 or 5-2-8 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)		

<b>REACTIONS</b>	(lb/size)	4=2105/0-3-8, (min. 0-1-8), 5=2219/0-10-8, (min. 0-1-8)
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		5-6=-1146/0, 1-6=-1144/0, 4-7=-1029/0, 3-7=-1027/0
BOT CHORD		4-5=0/2732
WEBS		2-4=-2867/0, 2-5=-2859/0

- NOTES**
- 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.
  - 2) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-6-0 from the left end to 4-6-0 to connect truss(es) to front face of top chord.
  - 3) Fill all nail holes where hanger is in contact with lumber.
  - 4) 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: 4-5=-10, 1-3=-140
	Concentrated Loads (lb)
	Vert: 2=-1172 (F), 8=-1220 (F), 9=-1205 (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.



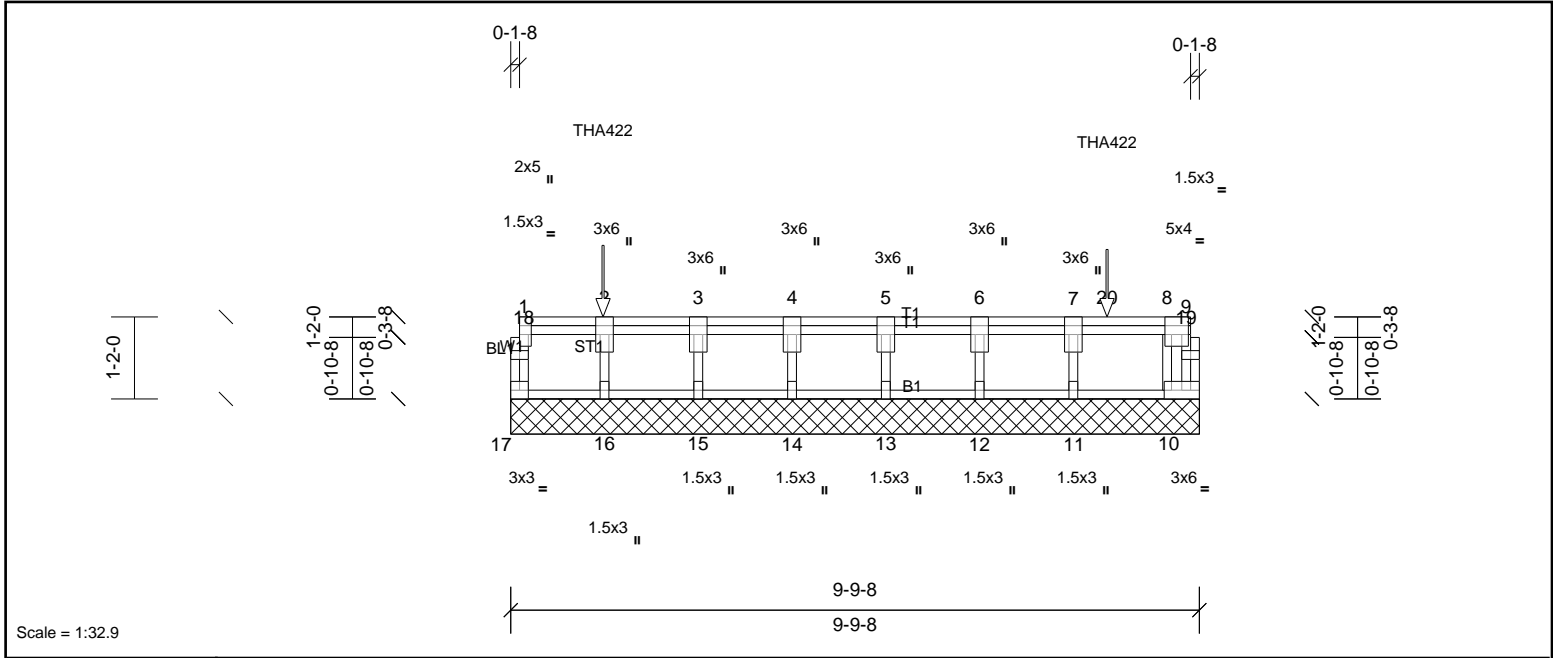
Job 72435095	Truss FG6	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	--------------	---------------------	----------	----------	---

UFPI 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. Thu Nov 07 13:40:05

Page: 1

ID:6kHpOvkk48bceYi?wZjoaTyE\_lo-vFgx1qXg7SdVXhVbl7KN0W037legzZ4\_i?\_Qt6yLZxu



Scale = 1:32.9

Plate Offsets (X, Y): [9:0-2-0,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	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr		NO	0.26	Horiz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 56 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)		

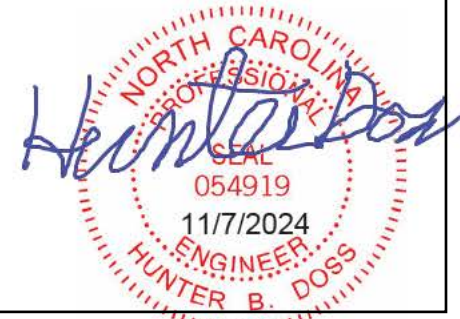
**REACTIONS** All bearings 9-9-8.  
 (lb) - Max Grav All reactions 250 (lb) or less at joint(s) 10, 12, 13, 14, 15, 17 except 11=575 (LC 1), 16=1146 (LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 2-16=-1148/0, 7-11=-550/0

- NOTES**
- All plates are 1.5x3 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.
  - 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 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.
  - 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: 10-17=-10, 1-9=-100  
 Concentrated Loads (lb)  
 Vert: 2=-1082 (F), 20=-483 (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.



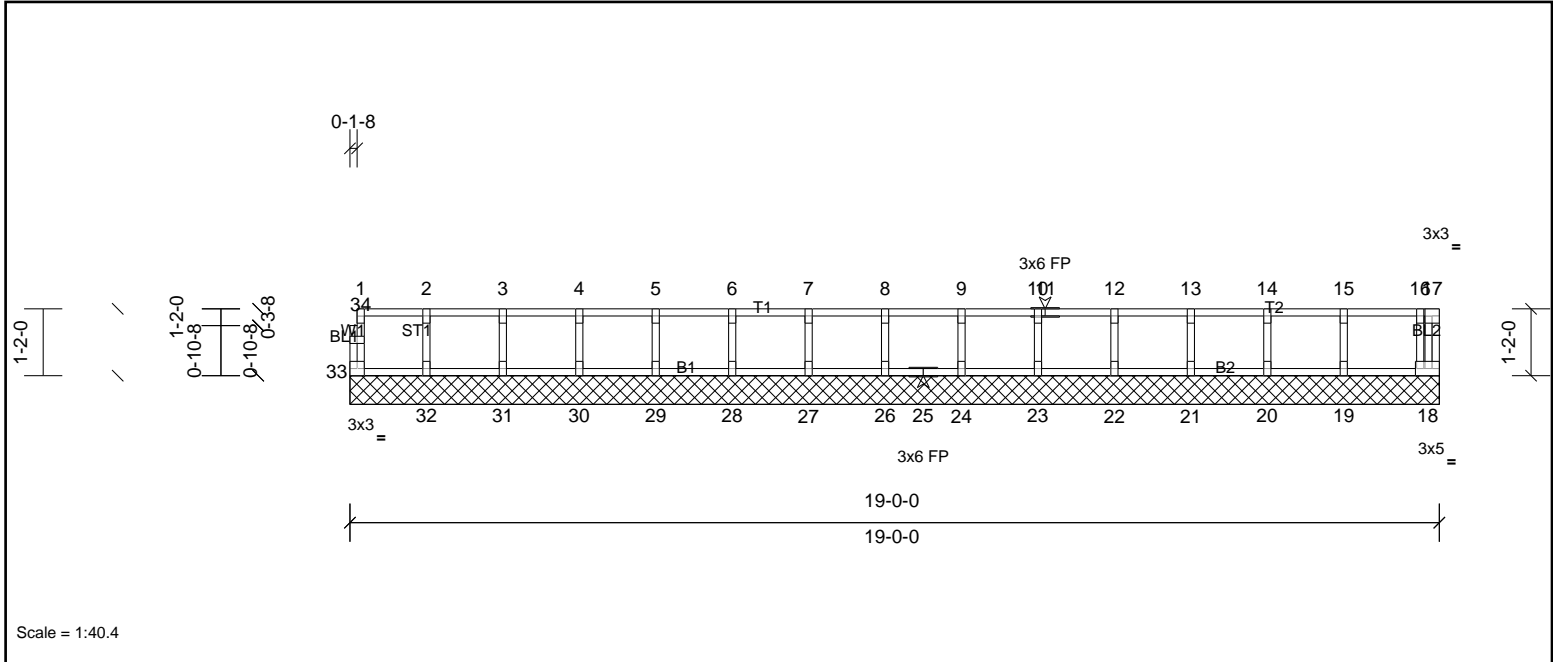
Job 72435095	Truss K200	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:05

Page: 1

ID:ruGW4FruRtIE6el7KXzYJ1yE?Yi-vFgx1qXg7SdVXhVbl7KN0W065lfpzde\_j?\_Qt6yLZxu



Scale = 1:40.4

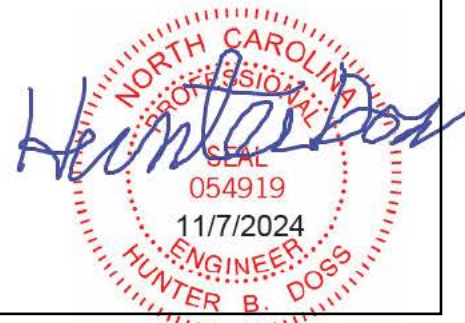
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 81 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, 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**
- All plates are 1.5x3 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.
  - 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.





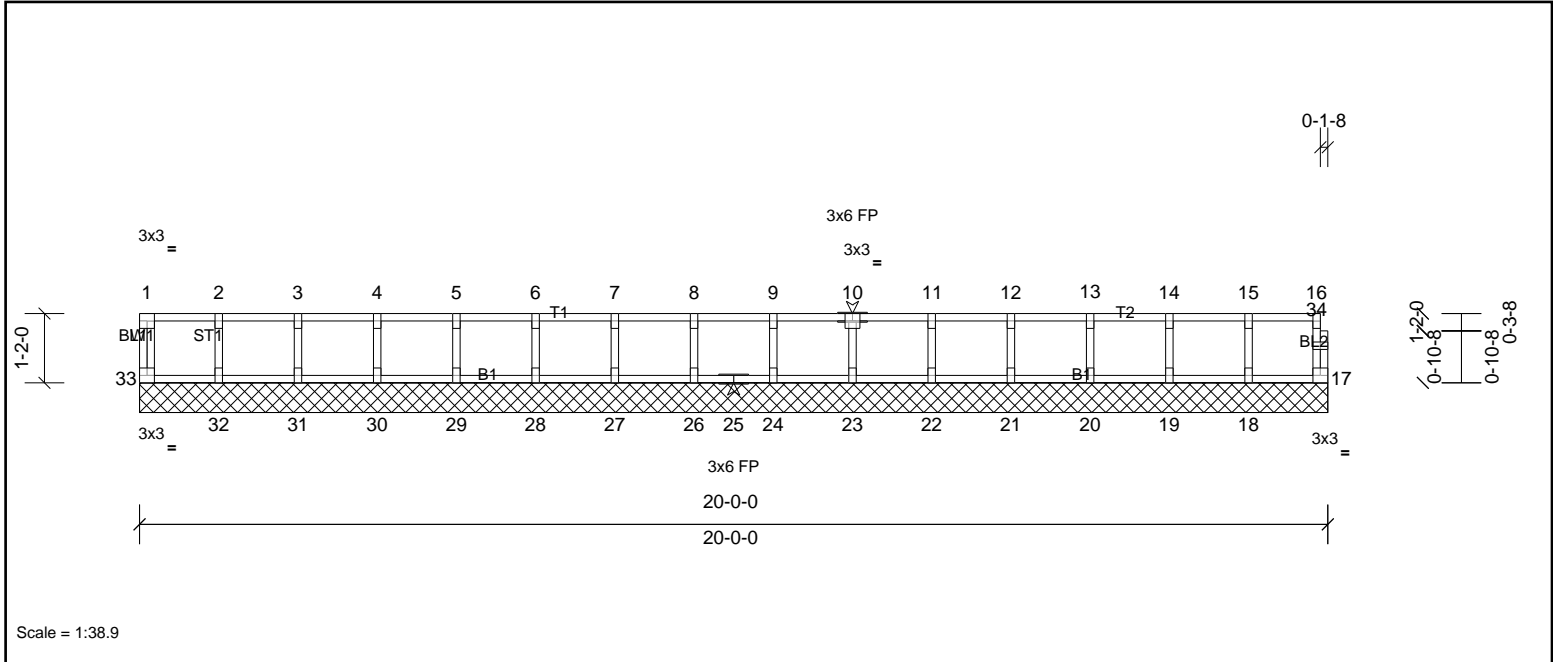
Job 72435095	Truss K201	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:05

Page: 1

ID:KdulQDGrBdiGp0wrtN5mDPyE?Y9-vFgx1qXg7SdVXhVbl7KN0W06FIf0zdg\_i?\_Qt6yLZxu



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	17	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 84 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 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) 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.



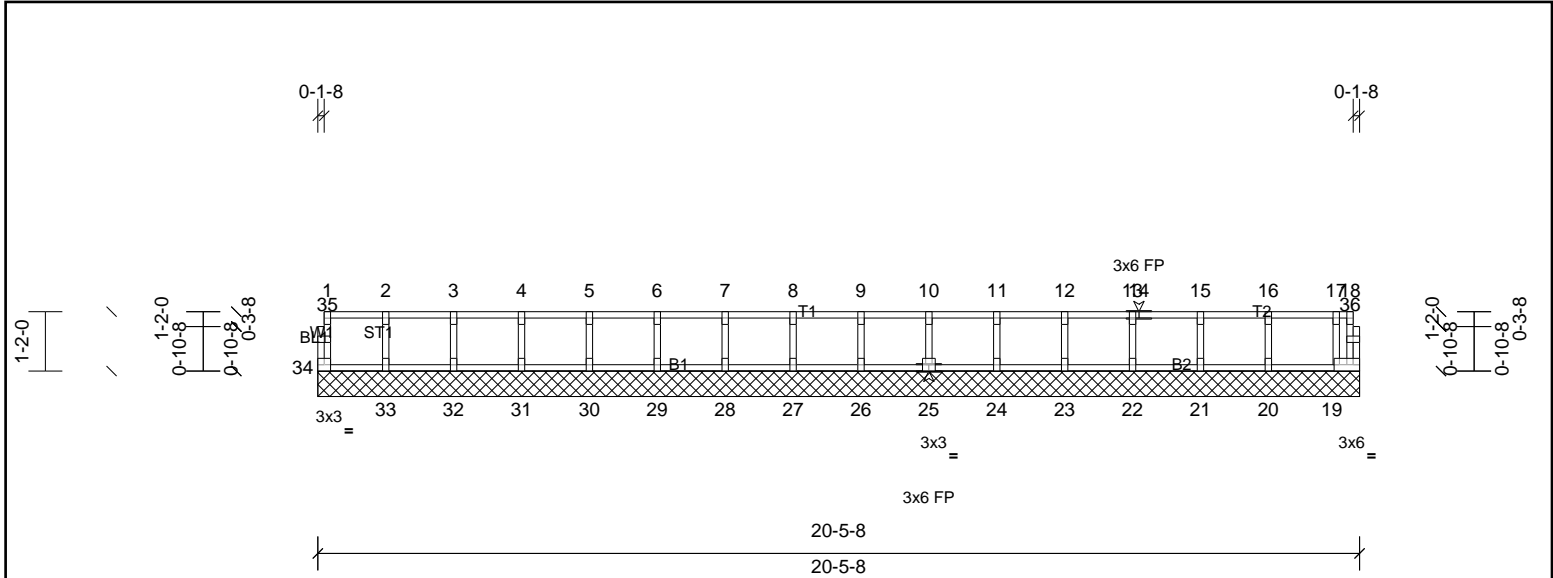
Job 72435095	Truss K202	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:06

Page: 1

ID: \_C8iW8c2MXM9nTeQ4z6ZvXyE?Xi-NRDJEAYlullM8q4nJqrcZjZH09?yi4u8xfjzPYyLZxt



Scale = 1:45.4

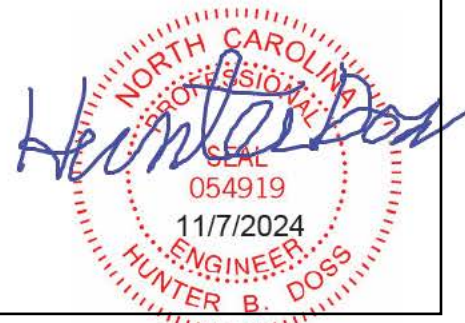
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	19	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 86 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 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

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

- NOTES**
- All plates are 1.5x3 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.
  - 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.



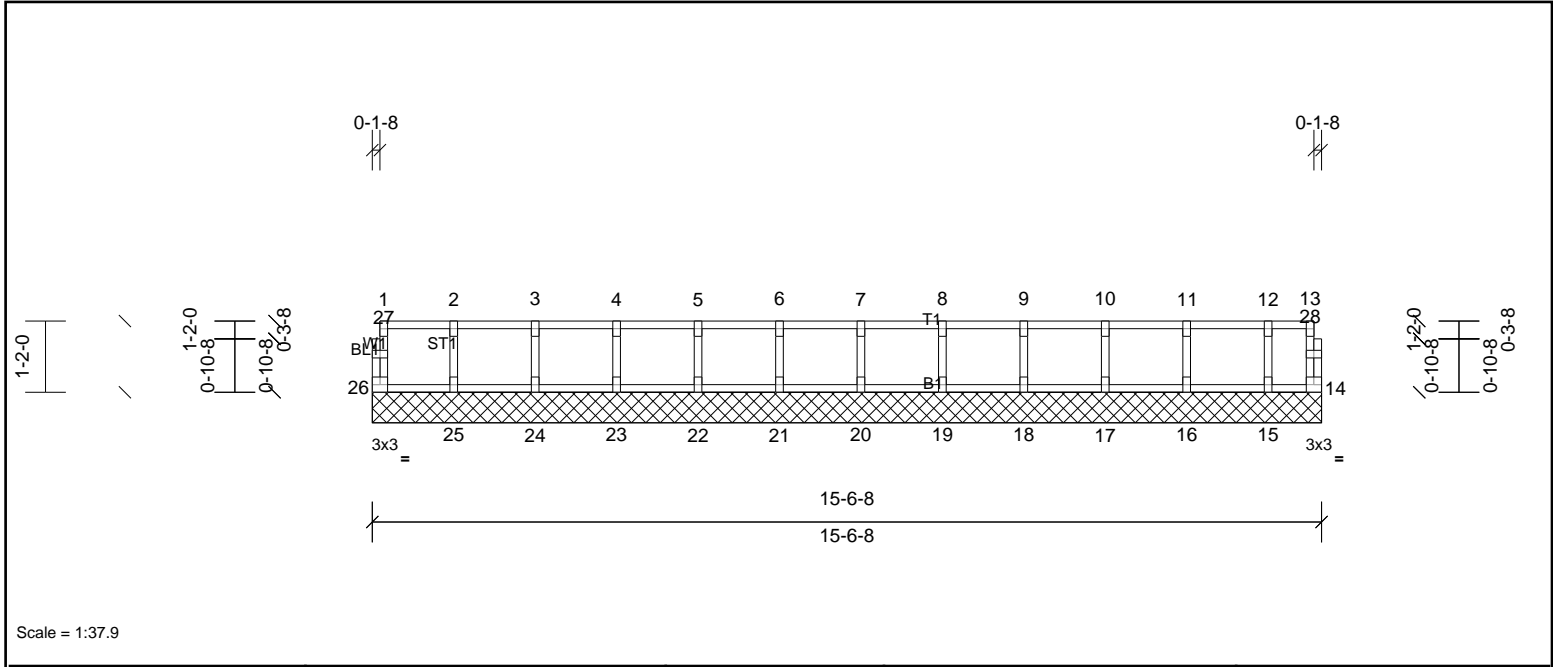
Job 72435095	Truss K203	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

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. Thu Nov 07 13:40:06

Page: 1

ID:hOGwAMxz?qIKXdCc985uVDyE?XH-NRDJEAYlullM8q4nJqrcZjZHw9?Ai4v8xfjzPYyLZxt



Scale = 1:37.9

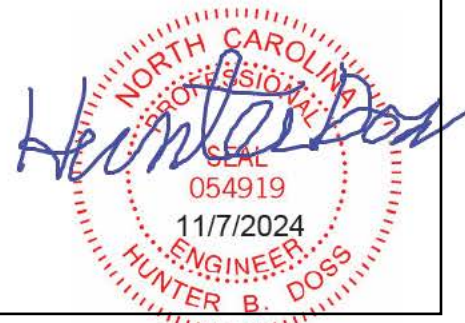
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							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**
- All plates are 1.5x3 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.
  - 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.

