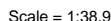


UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:03:27 Page: 1
ID:T0LUoLfIzVhVtYQBmBDOyGiRI-FfyQbfmINels1UtpRtU3IU1Tan3qBNfVY8GNyE1z



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	0.76	Vert(LL)	-0.12	12-13	>999	480	MT20	244/190
TCDL	20.0		Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.28	12-13	>534	360		
BCLL	0.0		Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0		Code	IRC2015/TPI2014	Matrix-SH							Weight: 68 lb	FT = 20%F, 11%E

REACTIONS	(lb/size)	11=1108/0-3-8, (min. 0-1-8), 16=1021/0-3-8, (min. 0-1-8)
	Max Grav	11=1145 (LC 4), 16=1021 (LC 1)

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

TOP CHORD 2-3=2569/0, 3-4=2550/0, 4-5=5041/0, 5-6=5041/0, 6-7=5041/0, 7-8=2984/0, 8-9=3006/0

BOT CHORD 15-16=0/1501, 14-15=0/3725, 13-14=0/5041, 12-13=0/4324, 11-12=0/1702

WEBS 5-14=856/0, 6-13=573/0, 2-16=1775/0, 2-15=0/1306, 4-15=1379/0, 4-14=0/1748, 9-11=2013/0, 9-12=0/1592, 7-12=1572/0, 7-13=0/1014

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 3) Load case(s) 1, 3 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: 11-16=-10, 1-10=-120 Concentrated Loads (lb) Vert: 6=-530	
3) Dead + Roof Live (balanced): Lumber Increase=0.90, Plate Increase=0.90 Uniform Loads (lb/ft) Vert: 11-16=-10, 1-10=-40 Concentrated Loads (lb) Vert: 6=-895	



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.



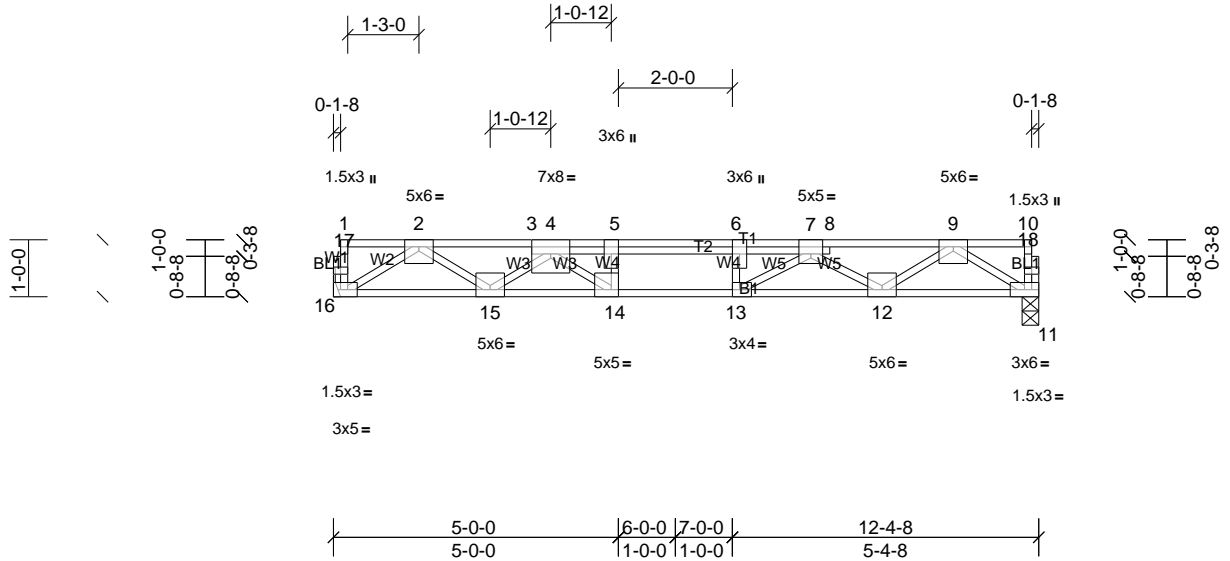
Job 72342488	Truss 2F2	Truss Type Truss	Qty 8	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:03:28

Page: 1

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Scale = 1:40.6

Plate Offsets (X, Y): [6:0-3-0,Edge], [7:0-2-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [16:0-2-0,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	0.77	Vert(LL)	-0.11	12-13	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.27	12-13	>542	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 67 lb	FT = 20%F, 11%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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 11=1084/0-3-8, (min. 0-1-8), 16=1007/ Mechanical, (min. 0-1-8)
Max Grav 11=1121 (LC 4), 16=1007 (LC 1)

FORCES

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

TOP CHORD 2-3=-2551/0, 3-4=-2530/0, 4-5=-4864/0, 5-6=-4864/0, 6-7=-4864/0, 7-8=-2915/0, 8-9=-2936/0
BOT CHORD 15-16=0/1480, 14-15=0/3544, 13-14=0/4864, 12-13=0/4215, 11-12=0/1665
WEBS 2-16=-1750/0, 2-15=0/1307, 4-15=-1251/0, 4-14=0/1782, 9-11=-1969/0, 9-12=0/1551, 7-12=-1526/0, 7-13=0/939, 5-14=-926/0, 6-13=-538/0

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.
- Load case(s) 1, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S)

Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 11-16=-10, 1-10=-120
Concentrated Loads (lb)
Vert: 6=-530
- Dead + Roof Live (balanced): Lumber Increase=0.90, Plate Increase=0.90
Uniform Loads (lb/ft)
Vert: 11-16=-10, 1-10=-40
Concentrated Loads (lb)
Vert: 6=-895



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.



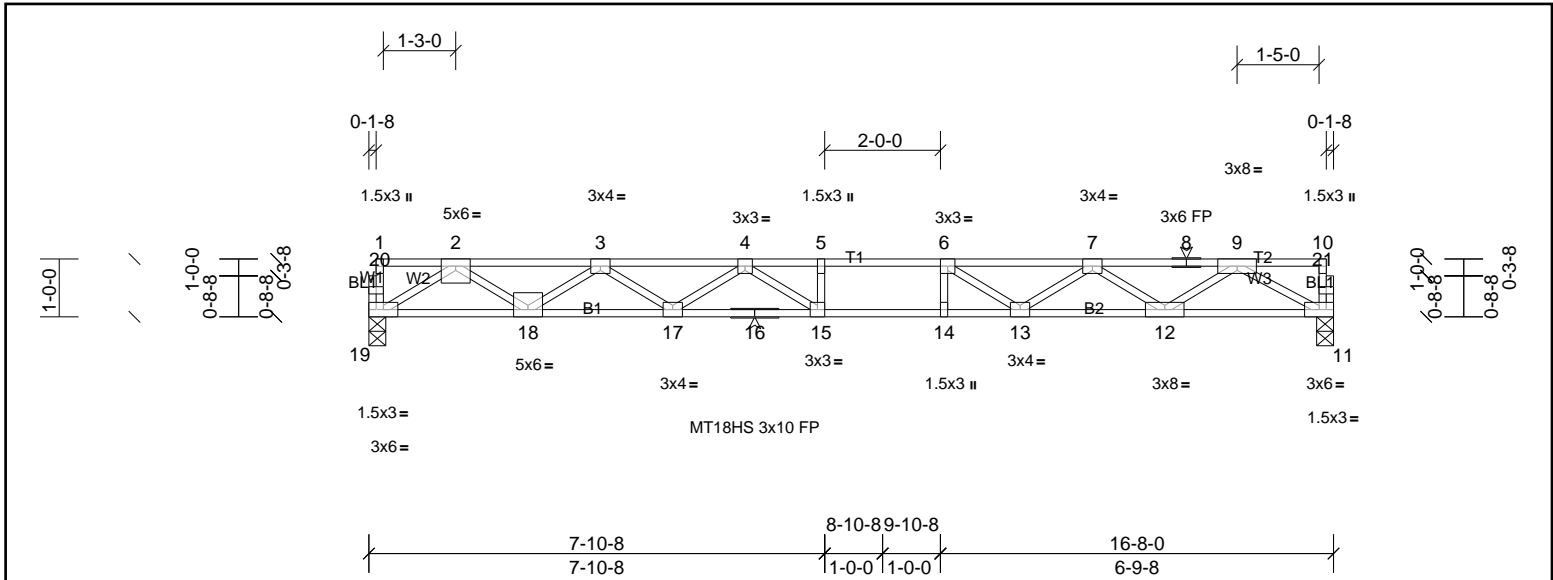
Job 72342488	Truss 2F3	Truss Type Truss	Qty 10	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:03:28

Page: 1

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Scale = 1:40

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	0.89	Vert(LL)	-0.30	15-17	>655	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.49	15-17	>402	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 79 lb	FT = 20%F, 11%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 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 11=1060/0-3-8, (min. 0-1-8), 19=1060/0-3-8, (min. 0-1-8)

FORCES

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

TOP CHORD 2-3=-2633/0, 3-4=-4242/0, 4-5=-4916/0, 5-6=-4916/0, 6-7=-4309/0, 7-8=-2770/0, 8-9=-2770/0
BOT CHORD 18-19=0/1570, 17-18=0/3664, 16-17=0/4762, 15-16=0/4762, 14-15=0/4916, 13-14=0/4916, 12-13=0/3754, 11-12=0/1741
WEBS 2-19=-1857/0, 2-18=0/1298, 3-18=-1258/0, 3-17=0/706, 4-17=-635/0, 4-15=-154/583, 9-11=-1997/0, 9-12=0/1257, 7-12=-1200/0, 7-13=0/738, 6-13=-922/0

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.
- 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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:03:28 Page: 1
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Plate Offsets (X, Y):	[5:0-2-0,Edge], [8:0-2-0,Edge]
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LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 3-11-4 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS (lb/size) 5=980/0-3-8, (min. 0-1-8), 8=980/0-3-8, (min. 0-1-8)

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

TOP CHORD 8-9=-323/0, 1-9=-322/0, 5-10=-323/0, 4-10=-322/0, 2-3=-1091/0

BOT CHORD 7-8=0/1091, 6-7=0/1091, 5-6=0/1091

WEBS 2-8=-1250/0, 3-5=-1250/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 3) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) 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

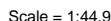
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 5-8=-10, 1-4=-540 (F=-420)



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, Mary-Anne Judd Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:03:28 Page: 1
ID:FrRV2WdSIqgm3OOiwTHMywyGvml-jRWosxg_WhmcUA23M8PibW1KW_9CZj8O_ZHhopyE1yz



Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	-0.30	20-21	>780	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.49	20-21	>480	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 127 lb	FT = 20%F, 11%E

LUMBER		BRACING
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD
BOT CHORD	2x4 SP No.1(flat)	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
WEBS	2x4 SP No.3(flat)	BOT CHORD
OTHERS	2x4 SP No.3(flat)	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size)	14=850/0-3-8, (min. 0-1-8), 26=850/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2186/0, 3-4=-2172/0, 4-5=-3997/0, 5-6=-5240/0, 6-7=-5240/0, 7-8=-5473/0, 8-9=-5239/0, 9-10=-3998/0, 10-11=-2175/0, 11-12=-2187/0	
BOT CHORD	25-26=0/1252, 24-25=0/3207, 23-24=0/3157, 22-23=0/4828, 21-22=0/5473, 20-21=0/5473, 19-20=0/5473, 18-19=0/4828, 17-18=0/3159, 16-17=0/3209, 15-16=0/3209, 14-15=0/1252	
WEBS	12-14=-1481/0, 2-26=-1481/0, 12-15=0/1141, 2-25=0/1140, 10-15=-1219/0, 4-25=-1218/0, 10-18=0/920, 4-23=0/921, 9-18=-968/0, 5-23=-969/0, 9-19=0/555, 5-22=0/554, 8-19=-540/78, 7-22=-540/78	

- 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) Required 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.



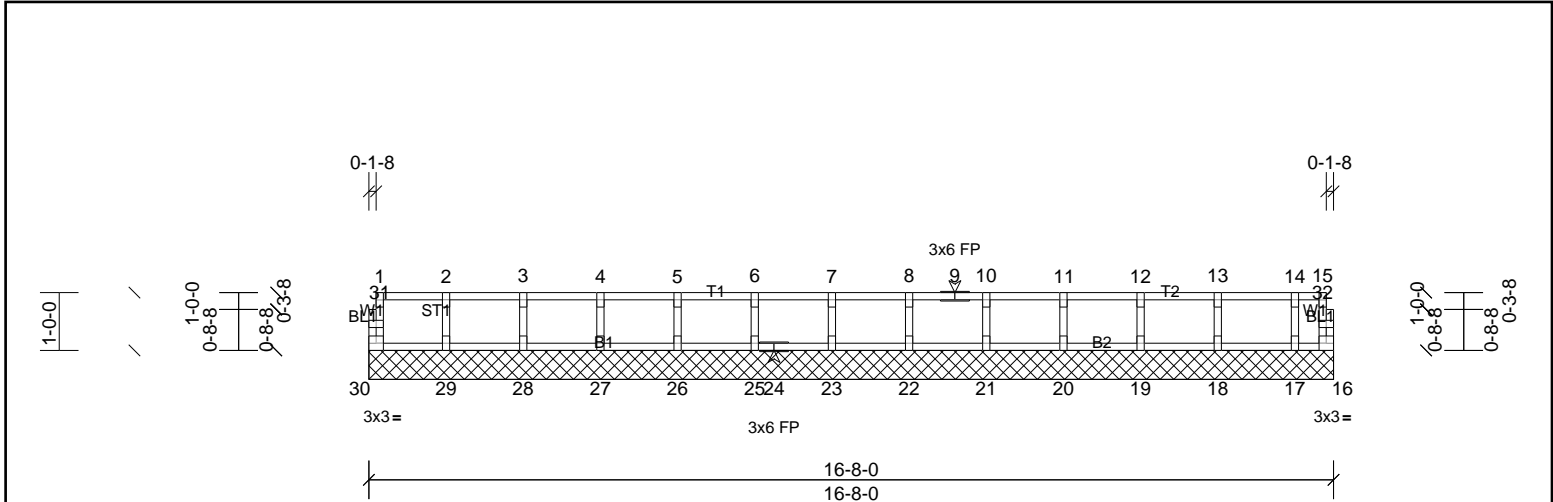
Job 72342488	Truss 2K1	Truss Type Truss	Qty 1	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:03:29

Page: 1

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Scale = 1:40

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 67 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS

All bearings 16'-8".
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30

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.



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.

