

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 10:31:53 Page: ID:ILTI3aadS5amrhbDFWQzoPvGhmT-IS2MixJT_YahXCulliUYC38acH0qYtIM2Ko08UvE1YH



Plate Offsets (X, Y):	[15:0-2-0,Edge], [18:0-1-8,Edge], [22:0-1-8,Edge], [24:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.72	Vert(LL)	-0.13	16-17	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.20	16-17	>735	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 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:
WEBS	2x4 SP No.3(flat)			6-0-0 oc bracing: 22-23,21-22.
OTHERS	2x4 SP No.3(flat)			
REACTIONS	(lb/size)	15=731/0-5-8, (min. 0-1-8), 21=1460/0-3-0, (min. 0-1-8), 24=361/0-5-8, (min. 0-1-8)		
	Max Grav	15=742 (LC 7), 21=1460 (LC 1), 24=419 (LC 3)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD		2-3=-742/51, 3-4=-742/51, 4-5=-742/51, 5-6=0/999, 6-7=0/999, 7-8=0/999, 8-9=-1226/0, 9-10=-2391/0, 10-11=-2391/0, 11-12=-2391/0, 12-13=-1692/0		
BOT CHORD		23-24=0/534, 22-23=-51/742, 21-22=-445/260, 20-21=0/478, 19-20=0/1955, 18-19=0/1955, 17-18=0/2391, 16-17=0/2235, 15-16=0/1086		
WEBS		5-21=-907/0, 2-24=-628/0, 5-22=0/786, 8-21=-1478/0, 13-15=-1284/0, 8-20=0/937, 13-16=0/739, 9-20=-930/0, 12-16=-663/0, 9-18=0/723, 12-17=-26/381, 4-22=-378/0, 10-18=-326/0		

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION. Do not erect truss backwards.

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, Except: 6-0-0 oc bracing: 22-23, 21-22.



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.



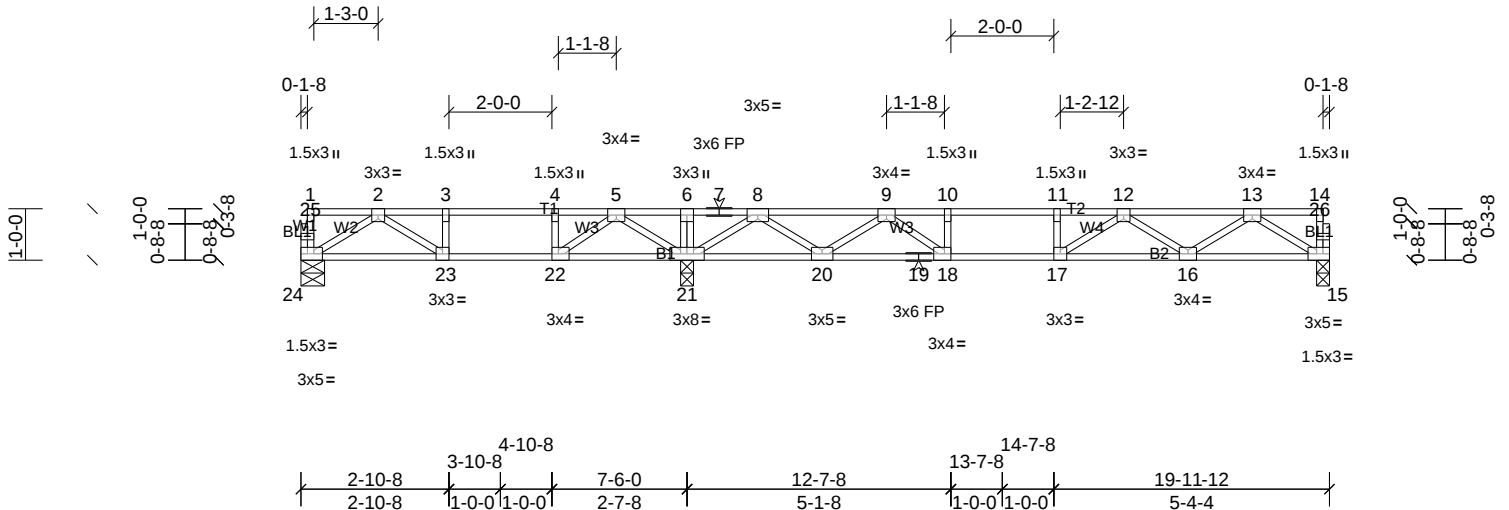
Job 72342486	Truss 1F2	Truss Type Truss	Qty 2	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd

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ID:021UN1xLoMQjtqduer1YXpyGh1-nebkvHJ5IsiY9MTxJR?nkHhIngM_HK0VHzYzhwyE1YJ



Scale = 1:44.9

Plate Offsets (X, Y): [15:0-2-0,Edge], [18:0-1-8,Edge], [22:0-1-8,Edge], [24:0-2-0,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	0.72	Vert(LL)	-0.13	16-17	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.20	16-17	>742	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 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, Except: 6-0-0 oc bracing: 22-23,21-22.

REACTIONS

(lb/size) 15=730/0-3-0, (min. 0-1-8), 21=1459/0-3-0, (min. 0-1-8), 24=361/0-5-8, (min. 0-1-8)
Max Grav 15=741 (LC 7), 21=1459 (LC 1), 24=419 (LC 3)

FORCES

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

TOP CHORD 2-3=-742/50, 3-4=-742/50, 4-5=-742/50, 5-6=0/998, 6-7=0/998, 7-8=0/998, 8-9=-1223/0, 9-10=-2383/0, 10-11=-2383/0, 11-12=-2383/0, 12-13=-1687/0
BOT CHORD 23-24=0/534, 22-23=-50/742, 21-22=-444/260, 20-21=0/477, 19-20=0/1950, 18-19=0/1950, 17-18=0/2383, 16-17=0/2228, 15-16=0/1084
WEBS 4-22=-378/0, 10-18=-325/0, 2-24=-628/0, 5-21=-907/0, 5-22=0/786, 8-21=-1476/0, 8-20=0/936, 9-20=-927/0, 9-18=0/719, 13-15=-1281/0, 13-16=0/737, 12-16=-661/0, 12-17=-27/379

NOTES

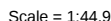
- Unbalanced floor live loads have been considered for this design.
- All plates are 1.5x3 MT20 unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21, 15.
- This truss is designed in accordance with the 2015 International Residential Code sections 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.



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 10:31:55 Page: 1
ID:kzeGUS3cRRhI4NOpExDuxwyGhkt-Fr967dKkW9gPmW28s8X0HUEw74iD0nGfWdHWDNye1Y1



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	0.72	Vert(LL)	-0.13	16-17	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.20	16-17	>742	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 lb	FT = 20%F, 11%E

LUMBER		BRACING
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD
BOT CHORD	2x4 SP No.2(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, Except: 6-0-0 oc bracing: 22-23,21-22.
REACTIONS	(lb/size)	15=730/0-3-0, (min. 0-1-8), 21=1459/0-3-0, (min. 0-1-8), 24=361/0-5-8, (min. 0-1-8)
	Max Grav	15=741 (LC 7), 21=1459 (LC 1), 24=419 (LC 3)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-742/50, 3-4=-742/50, 4-5=-742/50, 5-6=0/998, 6-7=0/998, 7-8=0/998, 8-9=-1223/0, 9-10=-2383/0, 10-11=-2383/0, 11-12=-2383/0, 12-13=-1687/0	
BOT CHORD	23-24=0/534, 22-23=-50/742, 21-22=-444/260, 20-21=0/477, 19-20=0/1950, 18-19=0/1950, 17-18=0/2383, 16-17=0/2228, 15-16=0/1084	
WEBS	4-22=-378/0, 10-18=-325/0, 2-24=-628/0, 13-15=-1281/0, 13-16=0/737, 12-16=-661/0, 12-17=-27/379, 5-21=-907/0, 5-22=0/786, 8-21=-1476/0, 8-20=0/936, 9-20=-927/0, 9-18=0/719	

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15, 21.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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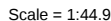


Plate Offsets (X, Y):	[14:0-2-0,Edge], [17:0-1-8,Edge], [23:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.98	Vert(LL)	-0.15	15-16	>866	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.23	15-16	>553	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 95 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.3(flat)		6-0-0 oc bracing: 17-19.
OTHERS	2x4 SP No.3(flat)		
REACTIONS	(lb/size)	14=603/0-3-0, (min. 0-1-8), 19=1444/0-3-0, (min. 0-1-8), 23=503/0-5-8, (min. 0-1-8)	
	Max Grav	14=639 (LC 4), 19=1444 (LC 1), 23=523 (LC 10)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-1190/0, 3-4=-1190/0, 4-5=-881/0, 5-6=0/988, 6-7=0/988, 7-8=0/984, 8-9=-1660/0, 9-10=-1660/0, 10-11=-1660/0, 11-12=-1403/0		
BOT CHORD	22-23=0/709, 21-22=0/1190, 20-21=0/1190, 19-20=0/486, 18-19=-308/550, 17-18=-308/550, 16-17=0/1660, 15-16=0/1774, 14-15=0/928		
WEBS	3-22=-253/0, 9-17=-443/0, 2-23=-834/0, 2-22=0/578, 8-19=-1238/0, 12-14=-1096/0, 12-15=0/579, 11-15=-453/0, 11-16=-329/0, 4-20=-482/0, 5-20=0/537, 5-19=-1334/0, 8-17=0/1377		

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION. Do not erect truss backwards.



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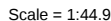


Plate Offsets (X, Y):	[14:0-2-0,Edge], [17:0-1-8,Edge], [23:0-2-0,Edge]
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LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.3(flat)		6-0-0 oc bracing: 17-19.
OTHERS	2x4 SP No.3(flat)		
REACTIONS	(lb/size)	14=603/0-3-0, (min. 0-1-8), 19=1444/0-3-0, (min. 0-1-8), 23=503/0-5-8, (min. 0-1-8)	
	Max Grav	14=639 (LC 4), 19=1444 (LC 1), 23=523 (LC 10)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-1190/0, 3-4=-1190/0, 4-5=-881/0, 5-6=0/988, 6-7=0/988, 7-8=0/984, 8-9=-1660/0, 9-10=-1660/0, 10-11=-1660/0, 11-12=-1403/0		
BOT CHORD	22-23=0/709, 21-22=0/1190, 20-21=0/1190, 19-20=0/486, 18-19=-308/550, 17-18=-308/550, 16-17=0/1660, 15-16=0/1774, 14-15=0/928		
WEBS	3-22=-253/0, 9-17=-443/0, 2-23=-834/0, 2-22=0/578, 8-19=-1238/0, 12-14=-1096/0, 12-15=0/579, 11-15=-453/0, 11-16=-329/0, 8-17=-0/1377, 4-20=-482/0, 5-20=0/537, 5-19=-1334/0		

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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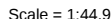


Plate Offsets (X, Y):	[14:0-2-0,Edge], [17:0-1-8,Edge], [23:0-2-0,Edge]
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LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.3(flat)		6-0-0 oc bracing: 17-19.
OTHERS	2x4 SP No.3(flat)		
REACTIONS	(lb/size)	14=603/0-3-0, (min. 0-1-8), 19=1444/0-3-0, (min. 0-1-8), 23=503/0-5-8, (min. 0-1-8)	
	Max Grav	14=639 (LC 4), 19=1444 (LC 1), 23=523 (LC 10)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-1190/0, 3-4=-1190/0, 4-5=-881/0, 5-6=0/988, 6-7=0/988, 7-8=0/984, 8-9=-1660/0, 9-10=-1660/0, 10-11=-1660/0, 11-12=-1403/0		
BOT CHORD	22-23=0/709, 21-22=0/1190, 20-21=0/1190, 19-20=0/486, 18-19=-308/550, 17-18=-308/550, 16-17=0/1660, 15-16=0/1774, 14-15=0/928		
WEBS	3-22=-253/0, 9-17=-443/0, 2-23=-834/0, 2-22=0/578, 8-19=-1238/0, 12-14=-1096/0, 12-15=0/579, 11-15=-453/0, 11-16=-329/0, 4-20=-482/0, 5-20=0/537, 5-19=-1334/0, 8-17=0/1377		

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
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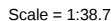


Plate Offsets (X, Y):	[9:0-2-0,Edge], [14:0-2-0,Edge]
-----------------------	---------------------------------

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	0.55	Vert(LL)	-0.13	12-13	>999	480	MT20	244/190
TCDL	20.0		Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.20	12-13	>760	360		
BCLL	0.0		Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0		Code	IRC2015/TPI2014	Matrix-SH							Weight: 61 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) 9=798/0-3-0, (min. 0-1-8), 14=798/0-5-8, (min. 0-1-8)

FORCES

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

TOP CHORD 2-3=-1850/0, 3-4=-2790/0, 4-5=-2790/0, 5-6=-2790/0, 6-7=-1848/0
BOT CHORD 13-14=0/1173, 12-13=0/2485, 11-12=0/2790, 10-11=0/2486, 9-10=0/1172
WEBS 4-12=-260/0, 5-11=-277/0, 2-14=-1387/0, 2-13=0/827, 3-13=-775/0, 3-12=0/596, 7-9=-1386/0, 7-10=0/824, 6-10=-779/0, 6-11=0/603

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.



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 SBGA and Truss Plate Institute.



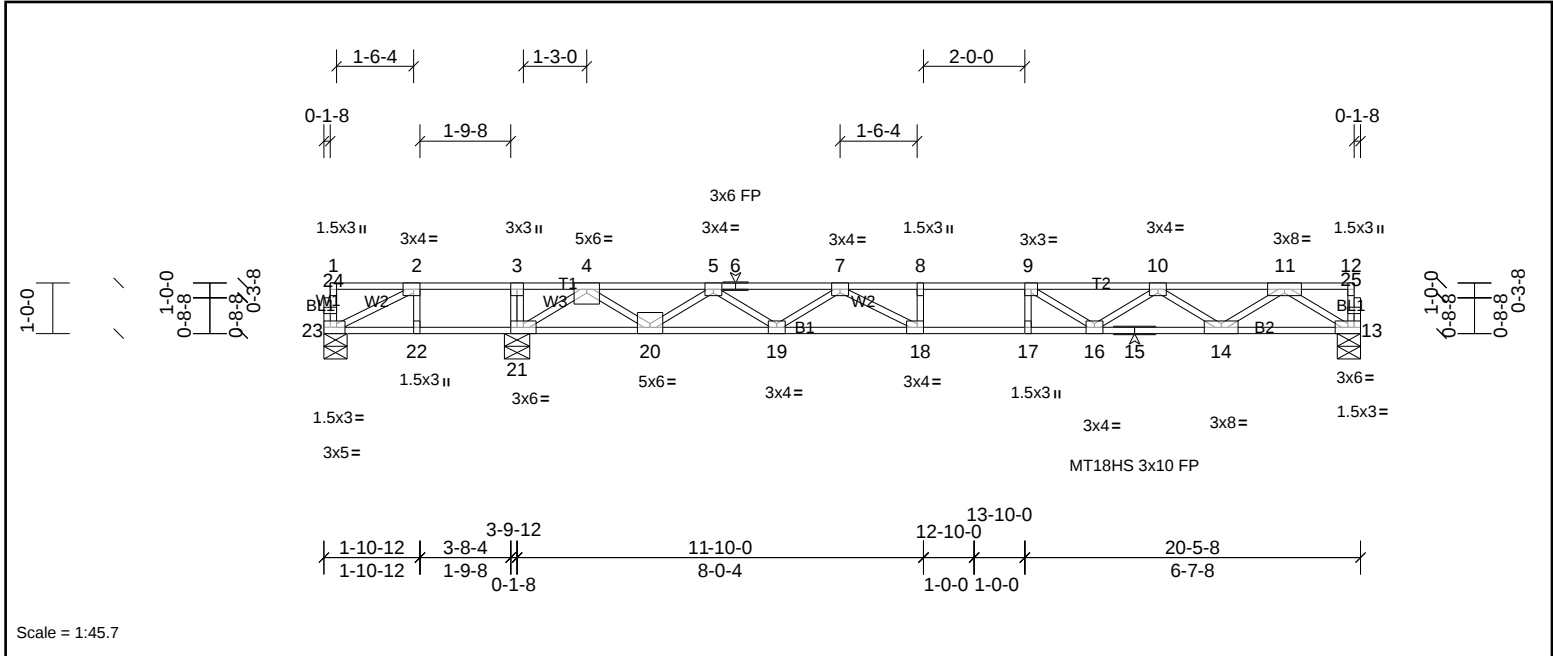
Job 72342486	Truss 1F8	Truss Type Truss	Qty 7	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:31:56

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Scale = 1:45.7

Plate Offsets (X, Y): [2:0-1-8,Edge], [18:0-1-8,Edge], [23:0-2-0,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	0.95	Vert(LL)	-0.28	18-19	>707	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.46	18-19	>434	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 97 lb	FT = 20%F, 11%E

LUMBER				BRACING			
TOP CHORD	2x4 SP No.1(flat)			TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.		
BOT CHORD	2x4 SP SS(flat)			BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 22-23,21-22.		
WEBS	2x4 SP No.3(flat)						
OTHERS	2x4 SP No.3(flat)						

REACTIONS	(lb/size)	13=1026/0-5-8, (min. 0-1-8), 21=1535/0-6-0, (min. 0-1-8), 23=51/0-5-8, (min. 0-1-8)
	Max Uplift	23=-140 (LC 4)
	Max Grav	13=1026 (LC 1), 21=1536 (LC 8), 23=210 (LC 3)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-100/632, 3-4=-100/632, 4-5=-1958/0, 5-6=-3773/0, 6-7=-3773/0, 7-8=-4616/0, 8-9=-4616/0, 9-10=-4039/0, 10-11=-2535/0
BOT CHORD	22-23=-632/100, 21-22=-632/100, 20-21=0/900, 19-20=0/3107, 18-19=0/4351, 17-18=0/4616, 16-17=0/4616, 15-16=0/3503, 14-15=0/3503, 13-14=0/1522
WEBS	3-21=-481/0, 4-21=-1597/0, 4-20=0/1315, 5-20=-1413/0, 5-19=0/828, 7-19=-730/0, 11-13=-1800/0, 11-14=0/1236, 10-14=-1183/0, 10-16=0/711, 9-16=-885/0, 7-18=-55/643, 2-23=-104/718

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 23.
 - 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.
 - 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.



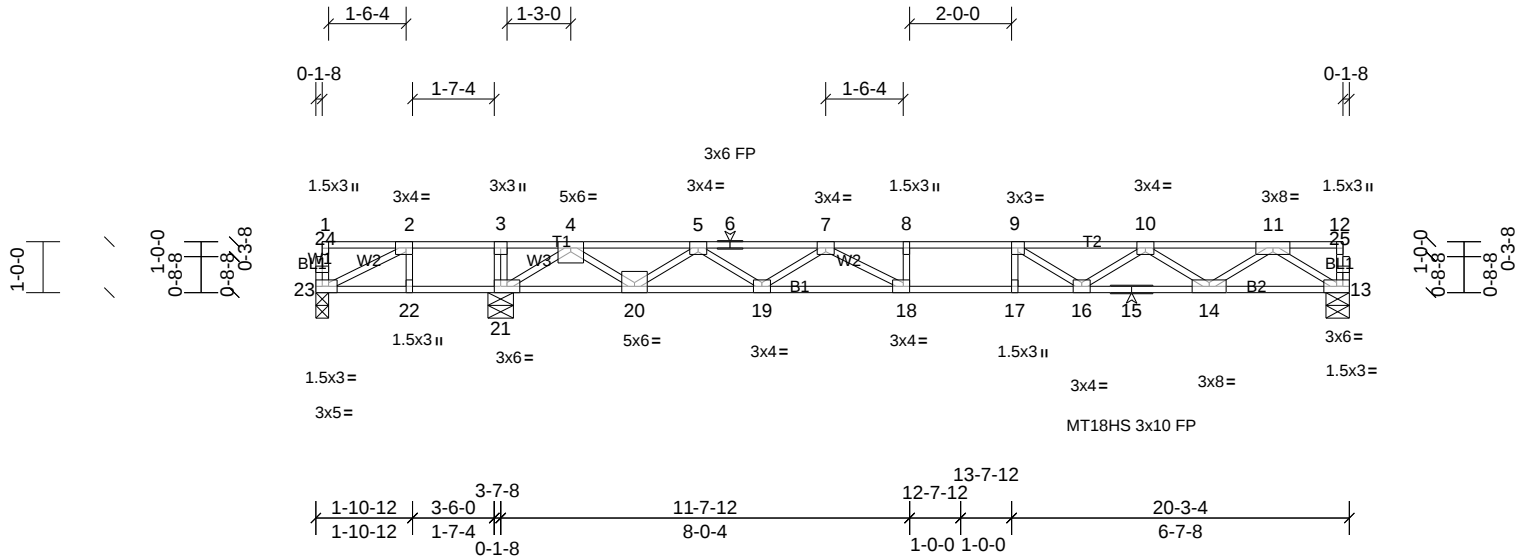
Job 72342486	Truss 1F9	Truss Type Truss	Qty 2	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Thu Nov 30 10:31:57

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Scale = 1:45.4

Plate Offsets (X, Y): [2:0-1-8,Edge], [18:0-1-8,Edge], [23:0-2-0,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	0.96	Vert(LL)	-0.27	18	>723	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.45	18-19	>444	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 96 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)

REACTIONS

(lb/size) 13=1019/0-5-8, (min. 0-1-8), 21=1570/0-6-0, (min. 0-1-8), 23=-2/0-3-0, (min. 0-1-8)
Max Uplift 23=-185 (LC 4)
Max Grav 13=1019 (LC 1), 21=1570 (LC 1), 23=181 (LC 3)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-35/730, 3-4=-35/730, 4-5=-1853/0, 5-6=-3687/0, 6-7=-3687/0, 7-8=-4559/0, 8-9=-4559/0, 9-10=-4000/0, 10-11=-2515/0
BOT CHORD 22-23=-730/35, 21-22=-730/35, 20-21=0/788, 19-20=0/3012, 18-19=0/4276, 17-18=0/4559, 16-17=0/4559, 15-16=0/3476, 14-15=0/3476, 13-14=0/1511
WEBS 3-21=-491/0, 4-21=-1596/0, 4-20=0/1323, 5-20=-1424/0, 5-19=0/838, 7-19=-741/0, 11-13=-1787/0, 11-14=0/1226, 10-14=-1173/0, 10-16=0/698, 9-16=-866/0, 7-18=-34/658, 2-23=-30/829

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 23.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 23.
- 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 backwoods.

BRACING

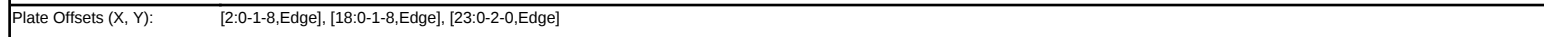
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 22-23,21-22.



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 10:31:57 Page: ID:Hny?BFRIWIZ8Ja5RfH4nueyGhUu-BDhYJM 2n570pCW ZZUMvJDruRDUesyxmdHfYElYQ



LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end
BOT CHORD	2x4 SP SS(flat)		verticals.
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
OTHERS	2x4 SP No.3(flat)		6-0-0 oc bracing: 22-23,21-22.
REACTIONS	(lb/size)	13=1019/0-5-8, (min. 0-1-8), 21=1570/0-6-0, (min. 0-1-8), 23=-2/0-3-0, (min. 0-1-8)	
	Max Uplift	23=-185 (LC 4)	
	Max Grav	13=1019 (LC 1), 21=1570 (LC 1), 23=181 (LC 3)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-35/730, 3-4=-35/730, 4-5=-1853/0, 5-6=-3687/0, 6-7=-3687/0, 7-8=-4559/0, 8-9=-4559/0, 9-10=-4000/0, 10-11=-2515/0		
BOT CHORD	22-23=-730/35, 21-22=-730/35, 20-21=0/788, 19-20=0/3012, 18-19=0/4276, 17-18=0/4559, 16-17=0/4559, 15-16=0/3476, 14-15=0/3476, 13-14=0/1511		
WEBS	3-21=-491/0, 4-21=-1596/0, 4-20=0/1323, 5-20=-1424/0, 5-19=0/838, 7-19=-741/0, 11-13=-1787/0, 11-14=0/1226, 10-14=-1173/0, 10-16=0/698, 9-16=-866/0, 7-18=-34/658, 2-23=-30/829		

- NOTES**

 - 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 23.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 23.
 - 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.

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.

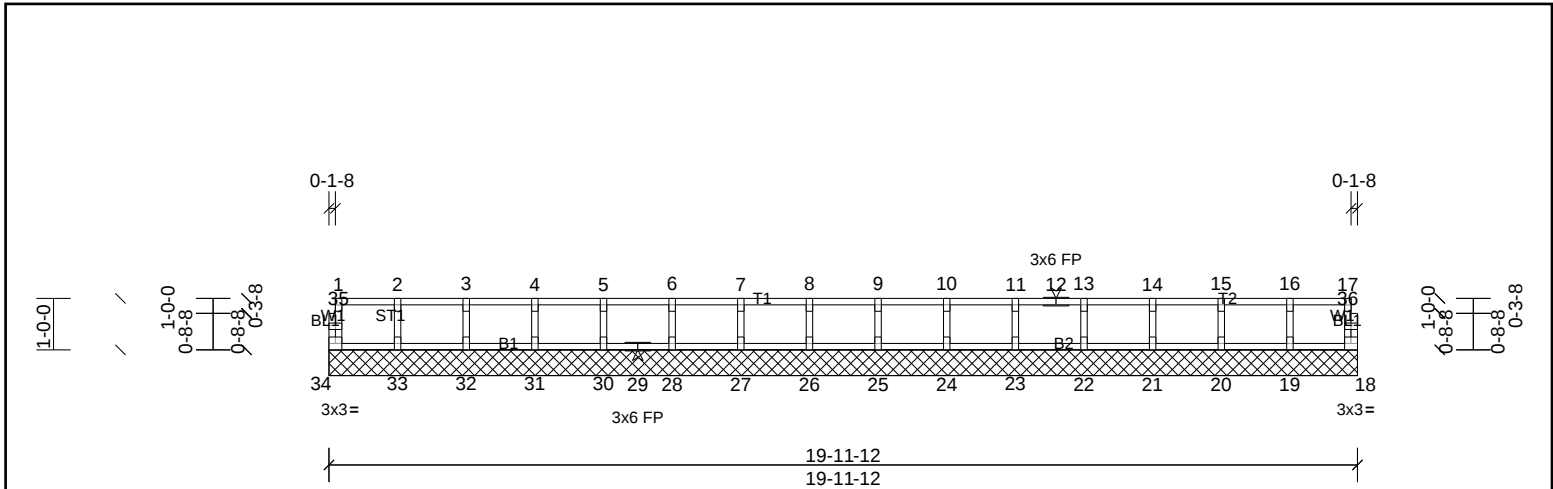
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
72342486	1K1	Truss	1	1	

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd

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Scale = 1:44.9

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 79 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS

All bearings 19-11-12.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 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.
- 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.



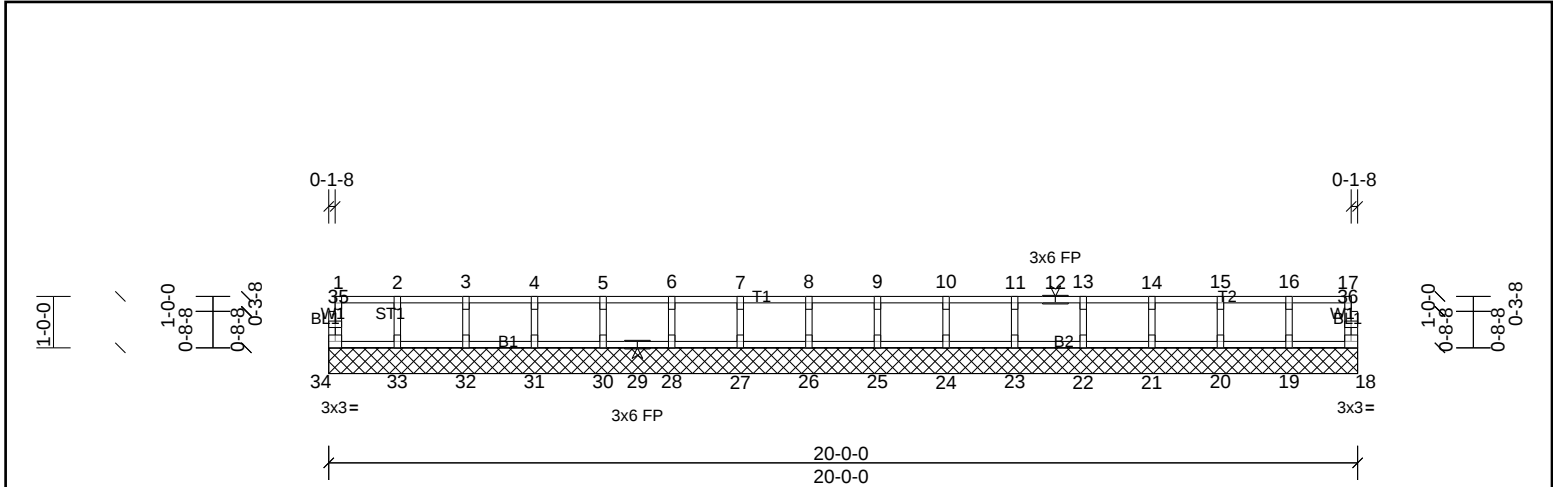
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
72342486	1K6	Truss	1	1	

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Mary-Anne Judd

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Scale = 1:45

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	20.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 79 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS

All bearings 20-0-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 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.
- 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.



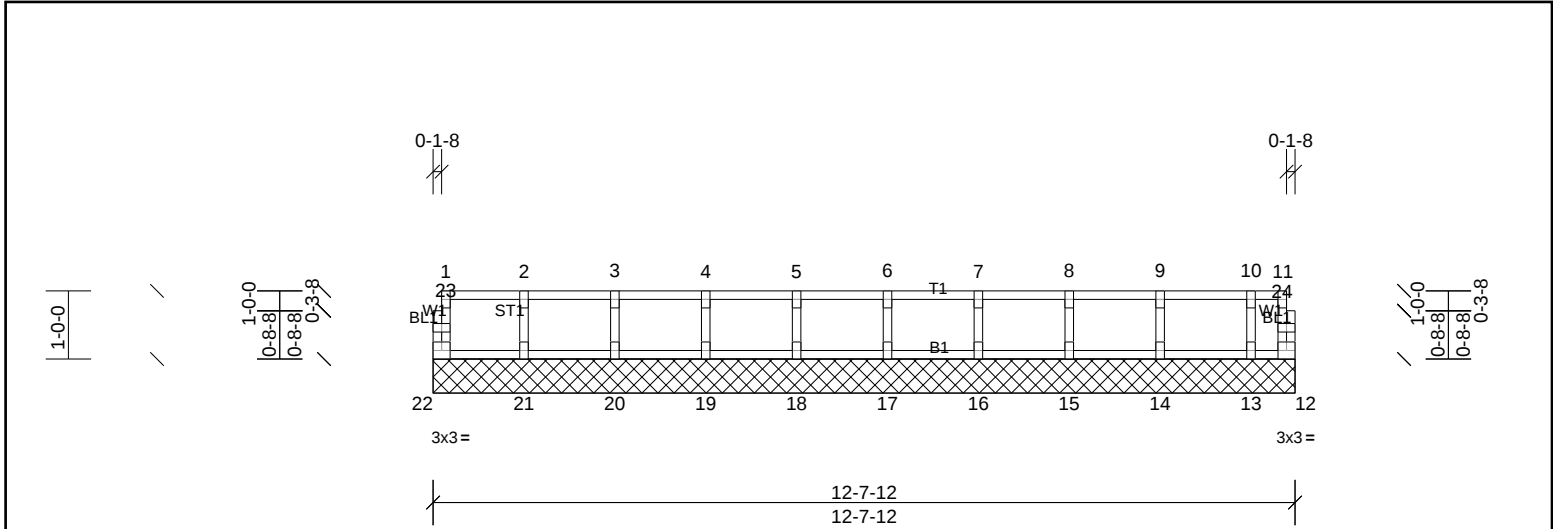
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
72342486	1K7	Truss	1	1	

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Scale = 1:33.9

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	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 51 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS

All bearings 12-7-12.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

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.
- 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.



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.



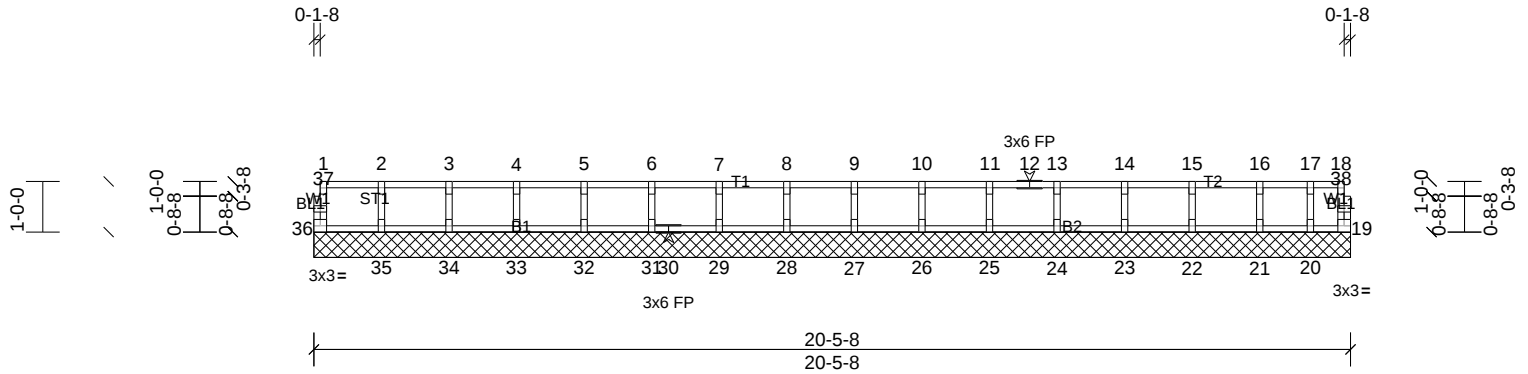
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
72342486	1K8	Truss	1	1	

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 10:31:58

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Scale = 1:45.7

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	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	19	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 81 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 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, 31, 32, 33, 34, 35, 36

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" oc.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10'-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.

