

Job 23081661F1	Truss F100	Truss Type Truss	Qty 7	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Mon Oct 02 15:56:14

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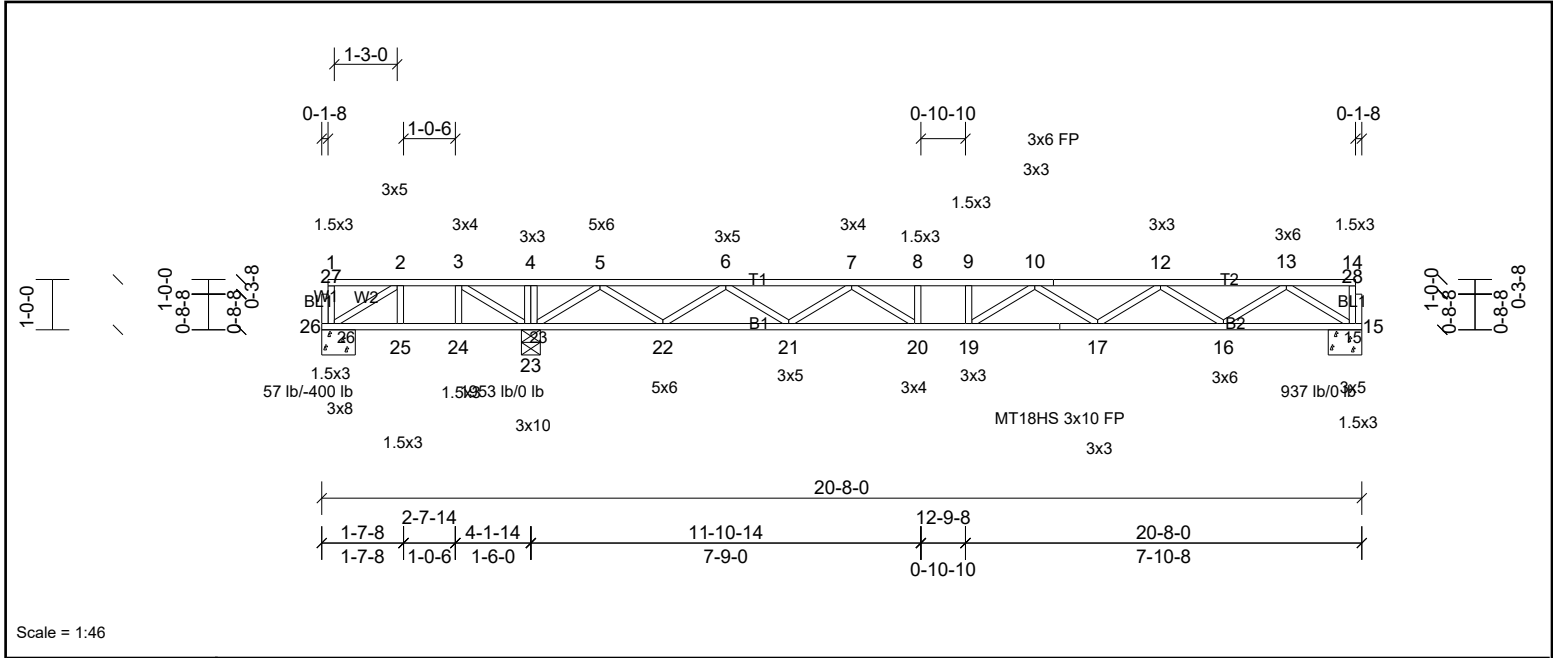


Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [15:0-2-0,Edge], [20:0-1-8,Edge]

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	0.73	Vert(LL)	-0.22	17-19	>886	480	MT18HS	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.36	17-19	>546	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.05	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH								Weight: 102 lb FT = 20%F, 11%E

LUMBER	BRACING
TOP CHORD 2x4 SP SS (flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1 (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)	

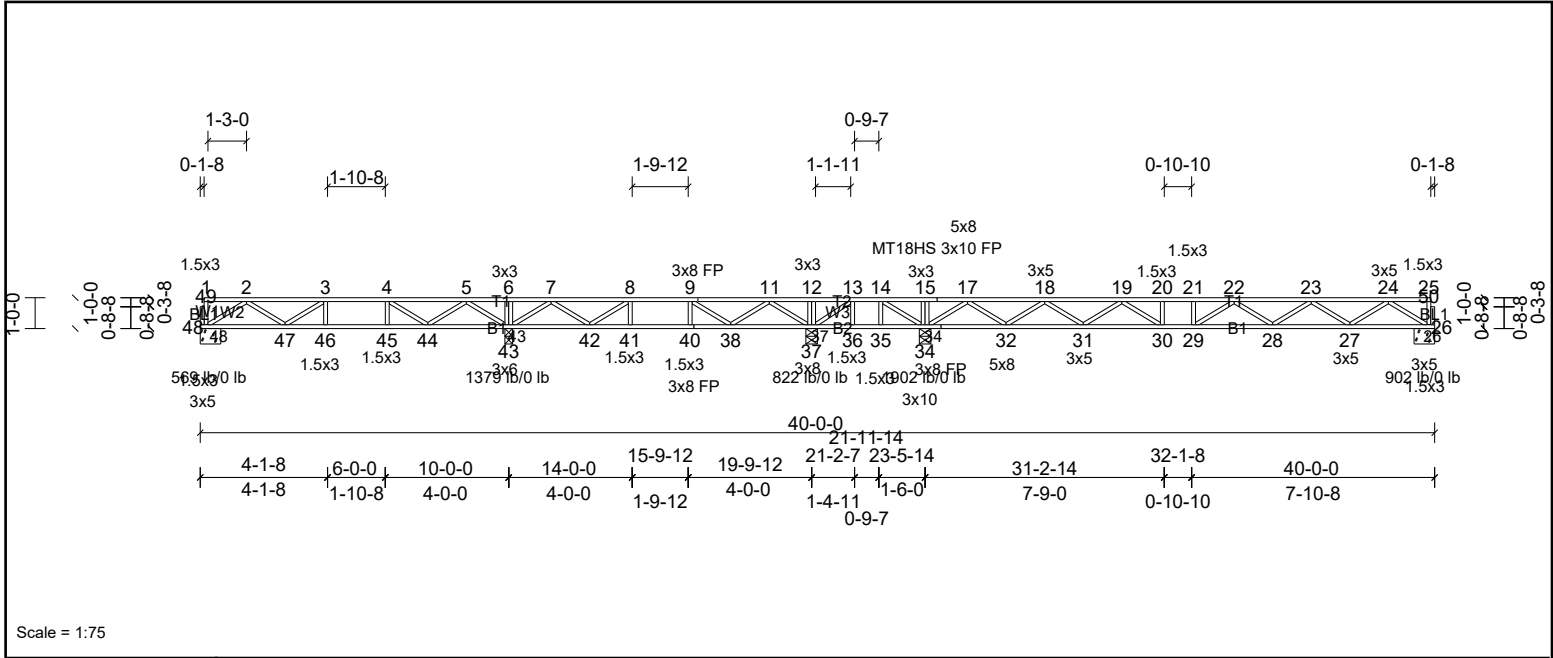
REACTIONS	(lb/size)
	15=934/0-8-0, (min. 0-1-8), 23=1953/0-4-8, (min. 0-1-8), 26=-248/0-8-0, (min. 0-1-8)
	Max Uplift 26=-400 (LC 4)
	Max Grav 15=937 (LC 7), 23=1953 (LC 1), 26=57 (LC 3)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=0/1023, 3-4=0/2360, 4-5=0/2360, 5-6=-753/0, 6-7=-2668/0, 7-8=-3822/0, 8-9=-3822/0, 9-10=-3822/0, 10-11=-3529/0, 11-12=-3529/0, 12-13=-2268/0
BOT CHORD	25-26=-1023/0, 24-25=-1023/0, 23-24=-1023/0, 22-23=-578/0, 21-22=0/1939, 20-21=0/3385, 19-20=0/3822, 18-19=0/3880, 17-18=0/3880, 16-17=0/3123, 15-16=0/1379
WEBS	3-23=-1718/0, 2-26=0/1209, 2-25=-322/0, 3-24=0/358, 5-23=-2123/0, 13-15=-1631/0, 5-22=0/1523, 13-16=0/1085, 6-22=-1460/0, 12-16=-1044/0, 6-21=0/899, 12-17=0/496, 7-21=-883/0, 10-17=-429/0, 7-20=0/734, 10-19=-332/292, 8-20=-287/0

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 400 lb uplift at joint 26.
 - 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.

LOAD CASE(S) Standard

Job 23081661F1	Truss F101	Truss Type Truss	Qty 3	Ply 1	Job Reference (optional)
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Scale = 1:75

Plate Offsets (X, Y): [3:0-1-8,Edge], [4:0-1-8,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [26:0-2-0,Edge], [29:0-1-8,Edge], [30:0-1-8,Edge], [48:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFLL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.93	Vert(LL)	-0.22	28-29	>906	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.35	28-29	>560	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.05	26	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH								Weight: 194 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 No.1(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 All bearings 0-8-0, except 43=0-3-0, 37=0-4-8, 34=0-4-8
 (lb) - Max Grav All reactions 250 (lb) or less at joint(s) except 26=902 (LC 5), 34=1903 (LC 5), 37=823 (LC 4), 43=1379 (LC 3), 48=570 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1162/0, 3-4=-1423/0, 4-5=-823/53, 5-6=0/1176, 6-7=0/1176, 7-8=-525/180, 8-9=-898/80, 9-10=-417/383, 10-11=-417/383, 11-12=0/1510, 12-13=0/1509, 13-14=0/2097, 14-15=0/3031, 15-16=0/3031, 16-17=0/3031, 18-19=-2214/0, 19-20=-3492/0, 20-21=-3492/0, 21-22=-3492/0, 22-23=-3327/0, 23-24=-2162/0
 BOT CHORD 47-48=0/830, 46-47=0/1423, 45-46=0/1423, 44-45=0/1423, 43-44=-348/282, 42-43=-368/132, 41-42=-80/898, 40-41=-80/898, 39-40=-80/898, 38-39=-80/898, 37-38=-651/0, 36-37=-2097/0, 35-36=-2097/0, 34-35=-2097/0, 33-34=-1220/0, 32-33=-1220/0, 31-32=0/1436, 30-31=0/2984, 29-30=0/3492, 28-29=0/3623, 27-28=0/2968, 26-27=0/1324
 WEBS 5-43=-1223/0, 2-48=-980/0, 5-44=0/740, 2-47=0/406, 4-44=-840/0, 3-47=-313/31, 7-43=-1052/0, 11-37=-1104/0, 7-42=0/530, 11-38=0/638, 8-42=-529/0, 9-38=-707/0, 14-34=-1390/0, 13-37=-66/870, 13-36=-294/0, 14-35=0/288, 17-34=-2158/0, 24-26=-1566/0, 17-32=0/1584, 24-27=0/1022, 18-32=-1529/0, 23-27=-984/0, 18-31=0/962, 23-28=0/438, 19-31=-954/0, 22-28=-362/0, 19-30=0/804, 22-29=-404/210, 20-30=-305/0

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x4 MT20 unless otherwise indicated.
 - 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.

LOAD CASE(S) Standard

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 23081661F1	Truss F102	Truss Type Truss	Qty 6	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Mon Oct 02 15:56:16

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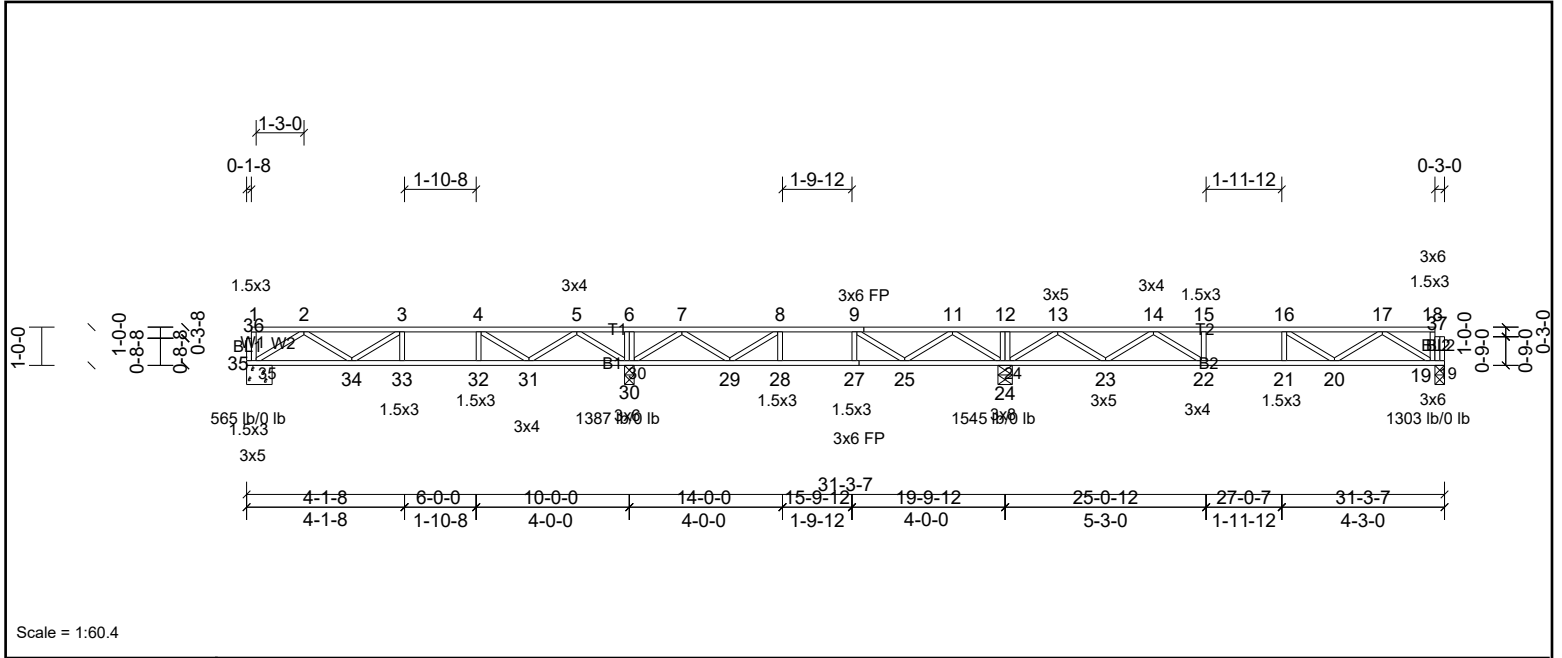


Plate Offsets (X, Y): [19:0-1-8,Edge], [22:0-1-8,Edge], [35:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.08	20-21	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.12	20-21	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.03	19	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 150 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 All bearings 0-3-0, except 35=0-8-0, 24=0-4-8
 (lb) - Max Grav All reactions 250 (lb) or less at joint(s) except 19=1304 (LC 13), 24=1546 (LC 11), 30=1387 (LC 3), 35=566 (LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 19-37=-718/0, 18-37=-654/0, 2-3=-1150/0, 3-4=-1400/0, 4-5=-791/53, 5-6=0/1178, 6-7=0/1178, 7-8=-562/344, 8-9=-958/263, 9-10=-503/501, 10-11=-503/501, 11-12=0/1478, 12-13=0/1478, 13-14=-792/44, 14-15=-1845/0, 15-16=-1845/0, 16-17=-1466/0
 BOT CHORD 34-35=0/824, 33-34=0/1400, 32-33=0/1400, 31-32=0/1400, 30-31=-348/242, 29-30=-468/153, 28-29=-263/958, 27-28=-263/958, 26-27=-263/958, 25-26=-263/958, 24-25=-725/57, 23-24=-376/96, 22-23=0/1473, 21-22=0/1845, 20-21=0/1845, 19-20=0/1044
 WEBS 5-30=-1226/0, 2-35=-974/0, 5-31=0/742, 2-34=0/398, 4-31=-842/0, 3-34=-300/32, 11-24=-1137/0, 7-30=-1068/0, 11-25=0/634, 7-29=0/548, 9-25=-687/0, 8-29=-555/0, 13-24=-1455/0, 17-19=-1106/0, 13-23=0/898, 17-20=0/518, 14-23=-894/0, 16-20=-456/0, 14-22=0/668, 15-22=-258/0

- 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.
 - 5) 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: 19-35=-10, 1-18=-120
 Concentrated Loads (lb)
 Vert: 18=-635

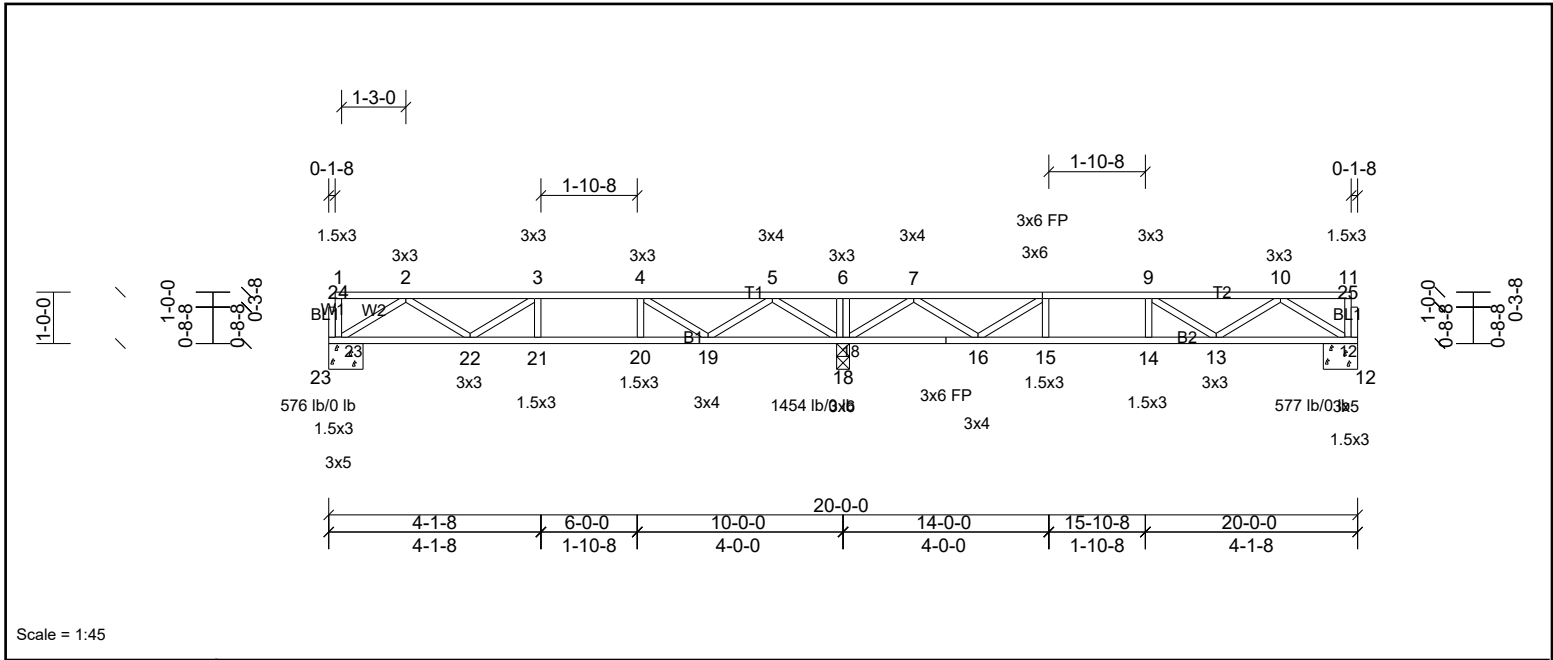
Job 23081661F1	Truss F103	Truss Type Truss	Qty 4	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Mon Oct 02 15:56:17

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Scale = 1:45

Plate Offsets (X, Y): [8:0-1-8,Edge], [12:0-2-0,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	0.51	Vert(LL)	-0.08	13-14	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.11	13-14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 96 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: 18-19,16-18.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS (lb/size) 12=550/0-8-0, (min. 0-1-8), 18=1454/0-3-0, (min. 0-1-8), 23=549/0-8-0, (min. 0-1-8)
 Max Grav 12=577 (LC 7), 18=1454 (LC 1), 23=576 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1184/0, 3-4=-1463/0, 4-5=-879/0, 5-6=0/1024, 6-7=0/1024, 7-8=-888/0, 8-9=-1463/0, 9-10=-1188/0
 BOT CHORD 22-23=0/839, 21-22=0/1463, 20-21=0/1463, 19-20=0/1463, 18-19=-229/352, 17-18=-236/353, 16-17=-236/353, 15-16=0/1457, 14-15=0/1463, 13-14=0/1463, 12-13=0/841
 WEBS 5-18=-1201/0, 2-23=-992/0, 5-19=0/720, 2-22=0/421, 4-19=-814/0, 3-22=-335/0, 7-18=-1196/0, 10-12=-994/0, 7-16=0/730, 10-13=0/423, 8-16=-806/0, 9-13=-331/0

- 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) 18.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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.



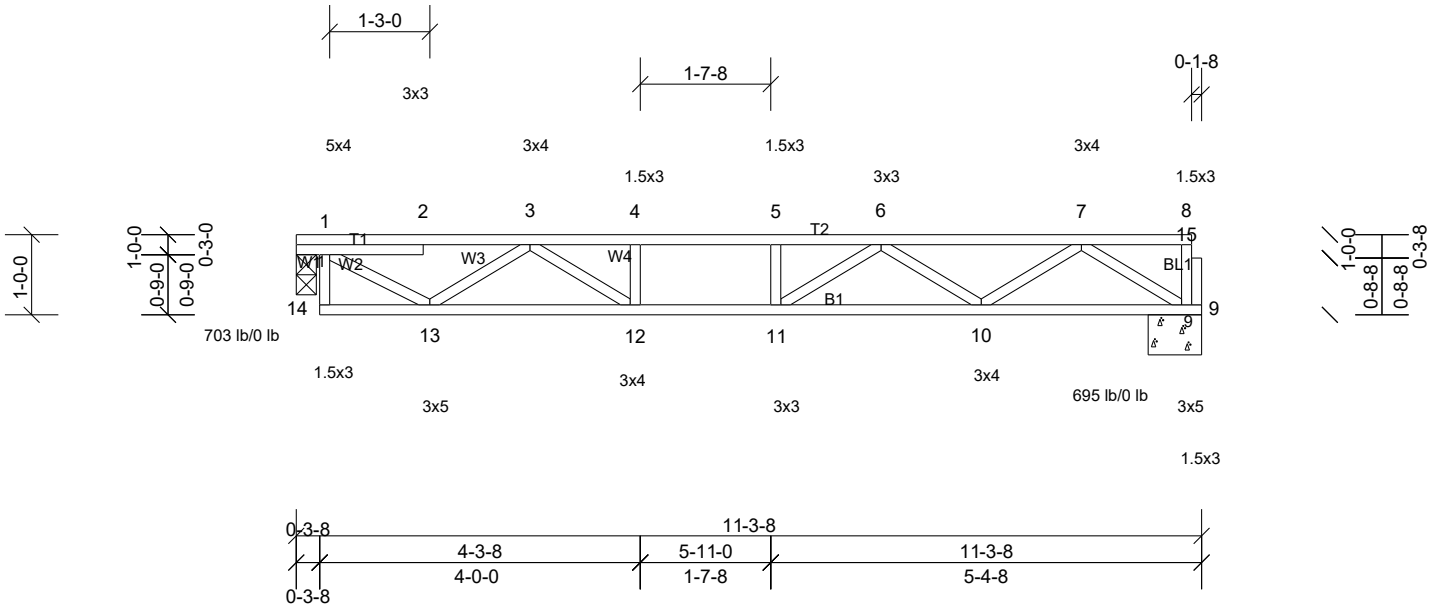
Job 23081661F1	Truss F104	Truss Type Truss	Qty 6	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Mon Oct 02 15:56:18

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Scale = 1:28.9

Plate Offsets (X, Y): [1:0-1-8,Edge], [9:0-2-0,Edge], [12:0-1-8,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	0.56	Vert(LL)	-0.10	10-11	>999	480	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.16	10-11	>827	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.01	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							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	(lb/size)	1=703/0-3-0, (min. 0-1-8), 9=695/0-8-0, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		1-2=-862/0, 2-3=-857/0, 3-4=-2095/0, 4-5=-2095/0, 5-6=-2095/0, 6-7=-1555/0
BOT CHORD		12-13=0/1613, 11-12=0/2095, 10-11=0/2032, 9-10=0/1013
WEBS		7-9=-1197/0, 1-13=0/1008, 7-10=0/662, 3-13=-923/0, 6-10=-582/0, 3-12=0/703, 6-11=-87/321, 4-12=-287/0

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
 - 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

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.



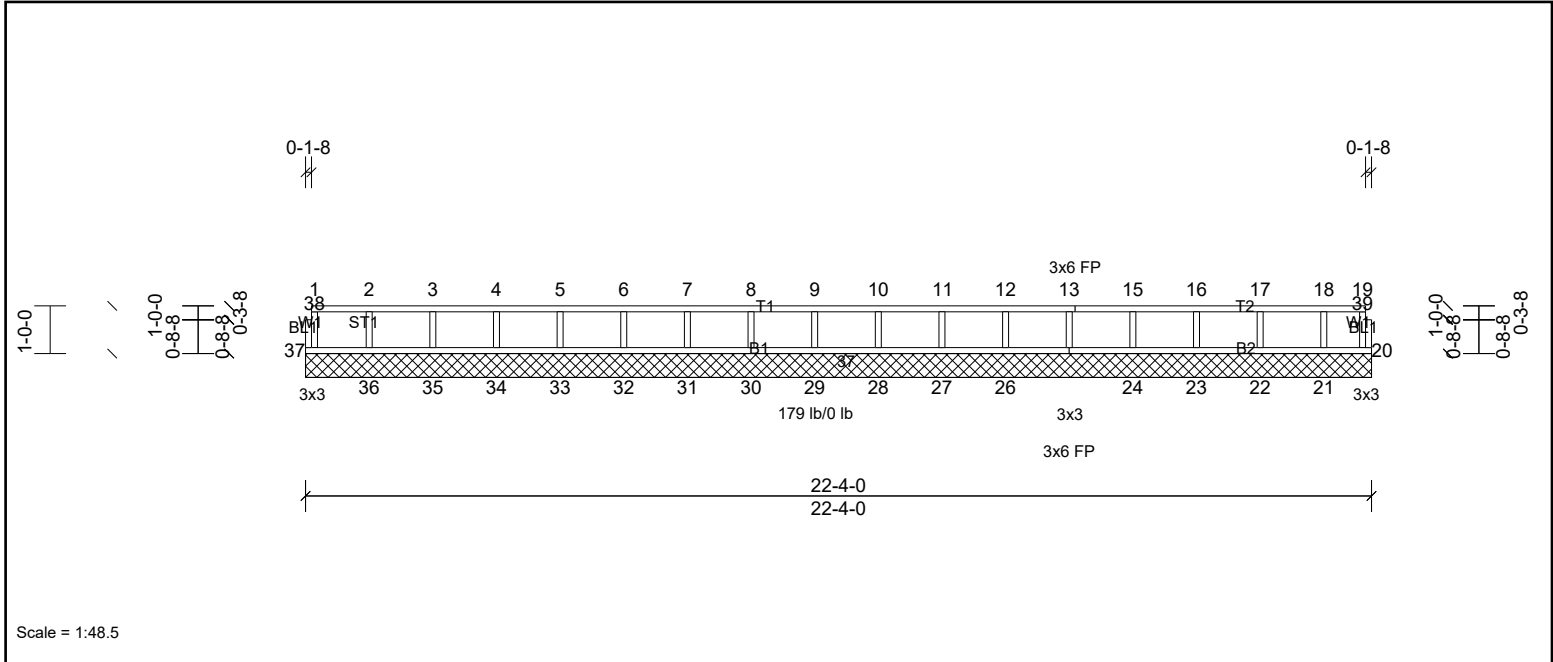
Job 23081661F1	Truss KW2	Truss Type Truss	Qty 1	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Mon Oct 02 15:56:18

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Scale = 1:48.5

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	0.10	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)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 88 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 22-4-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37

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.

LOAD CASE(S) Standard



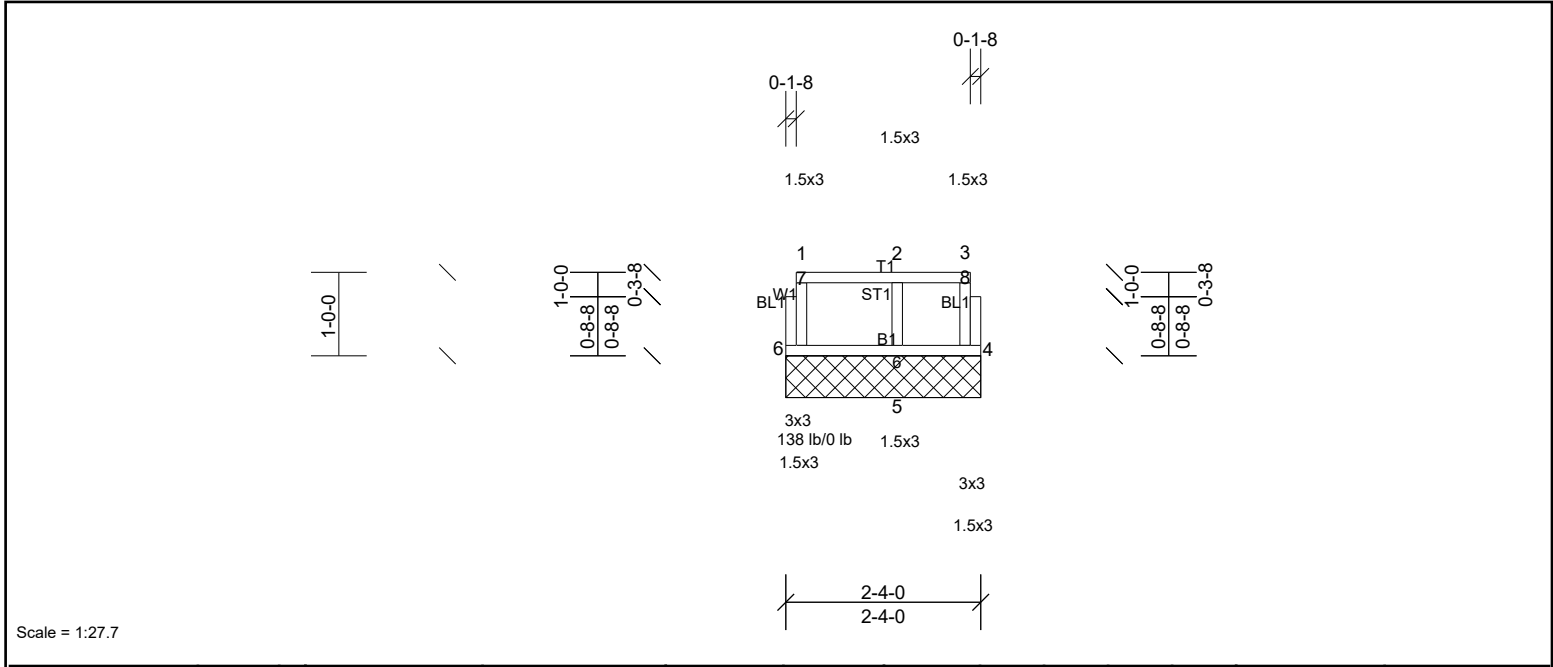
Job 23081661F1	Truss KW3	Truss Type Truss	Qty 1	Ply 1	Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Eric Graham

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Scale = 1:27.7

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	0.07	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	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 12 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 2-4-0 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=48/2-4-0, (min. 0-1-8), 5=138/2-4-0, (min. 0-1-8), 6=70/2-4-0, (min. 0-1-8)

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

- NOTES**
- 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.

LOAD CASE(S) Standard

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.



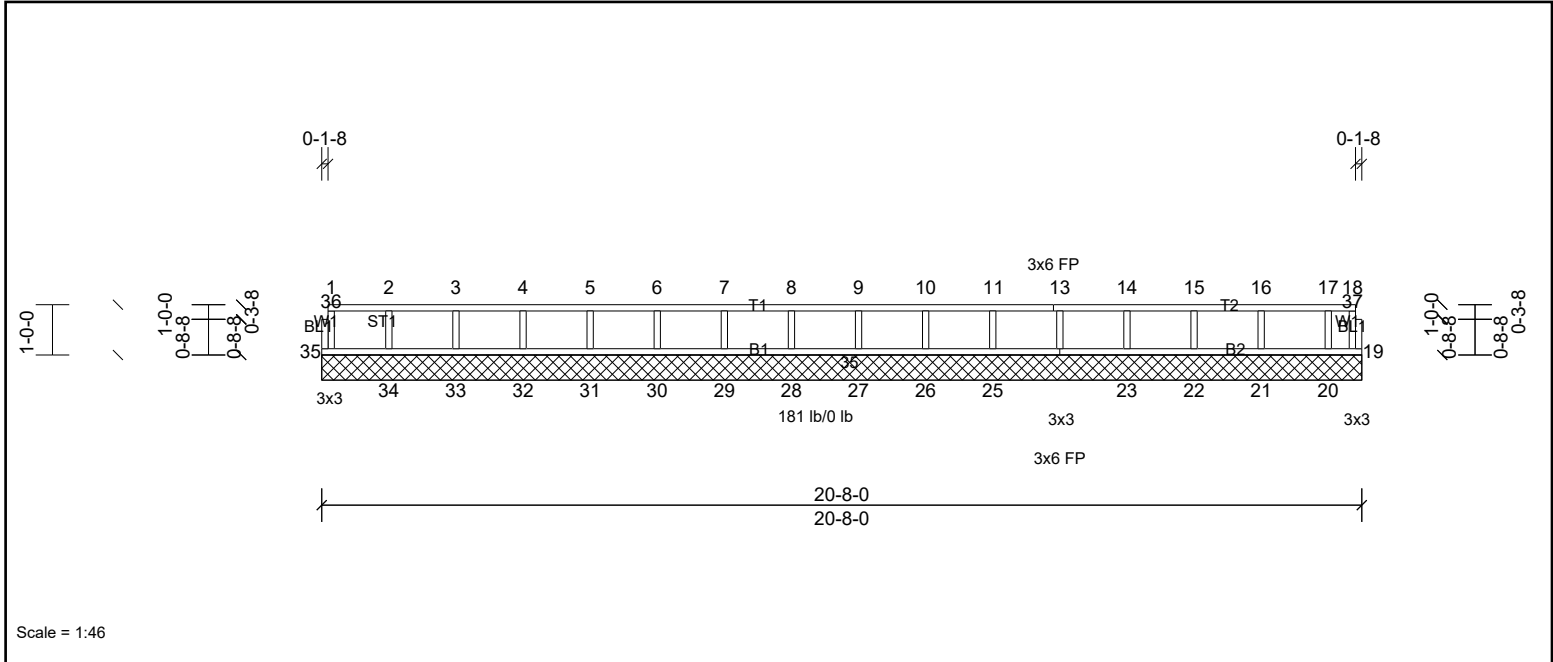
Job 23081661F1	Truss KW4	Truss Type Truss	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:46

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	0.10	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)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 82 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 20-8-0.
(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, 35

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.

LOAD CASE(S) Standard

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.



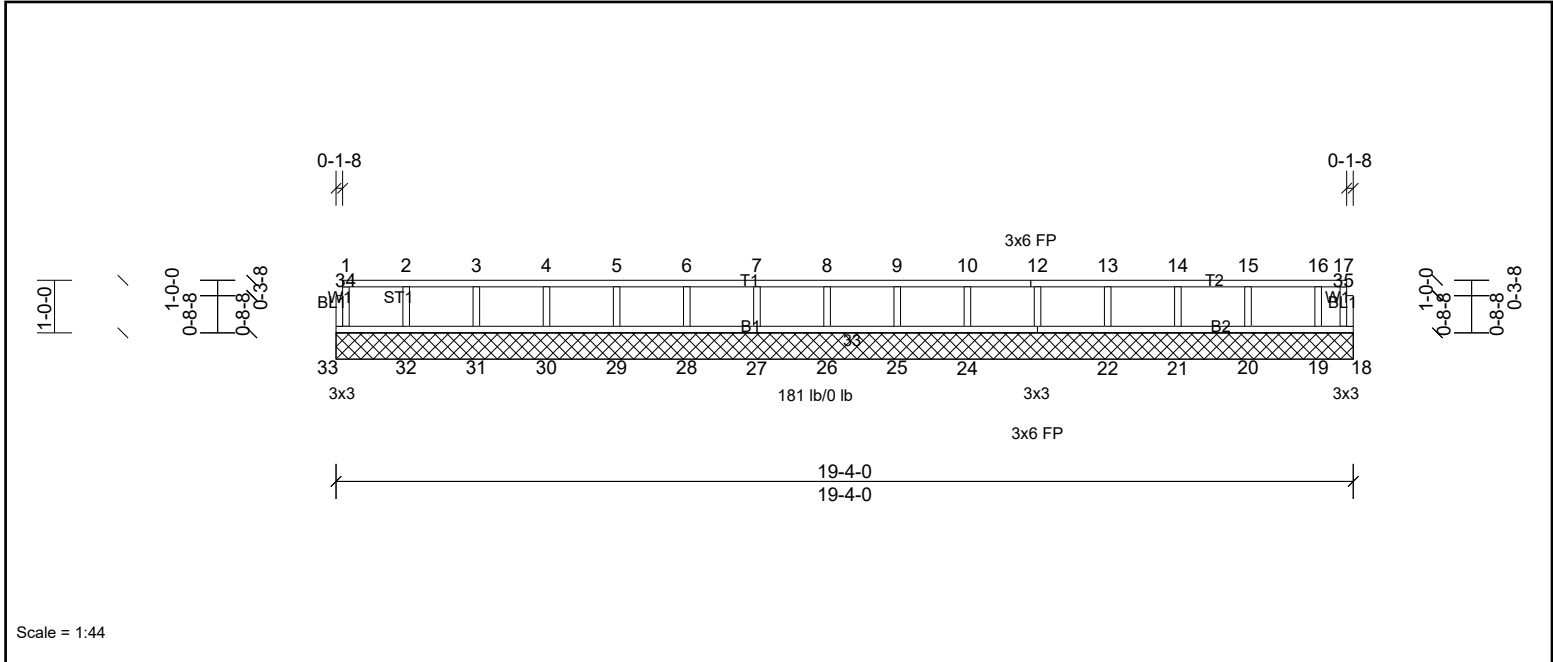
Job 23081661F1	Truss KW5	Truss Type Truss	Qty 1	Ply 1	Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 77 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 19-4-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 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.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

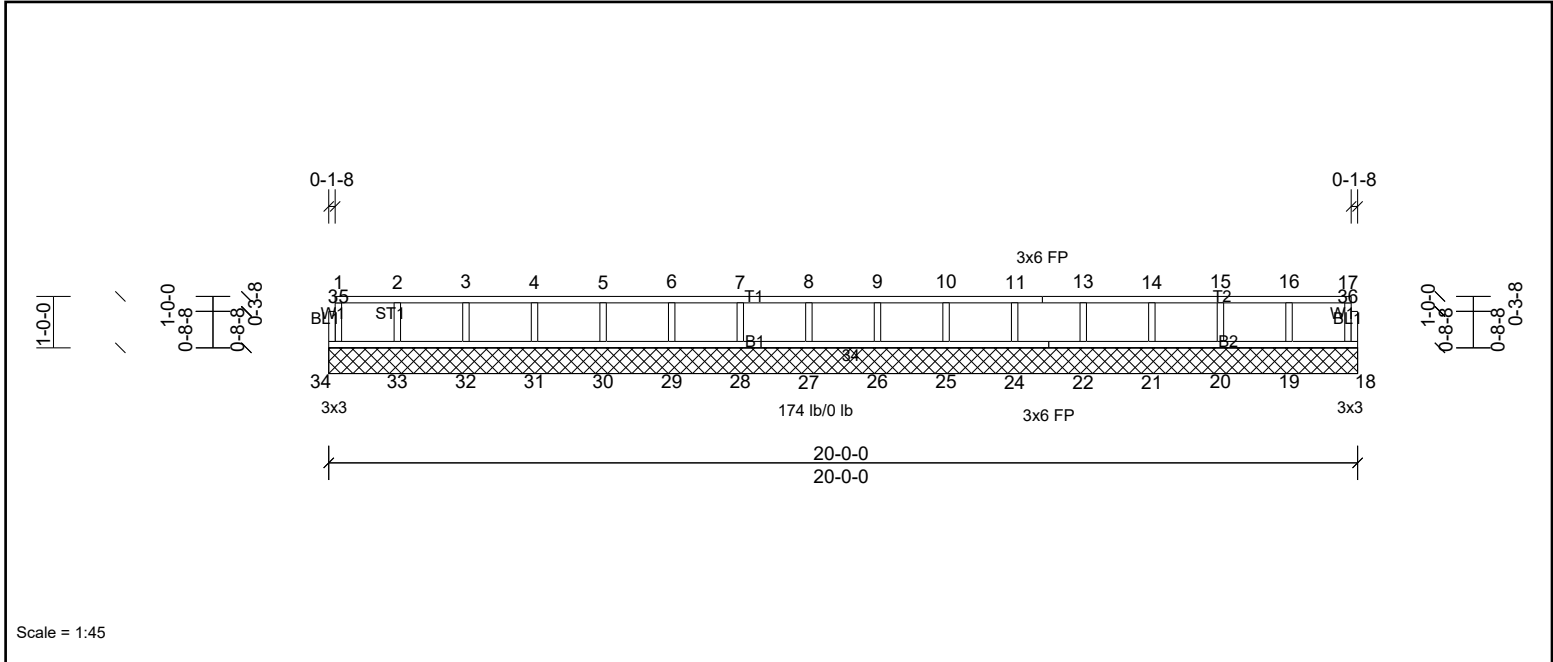
Job 23081661F1	Truss KW6	Truss Type Truss	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:45

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)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 79 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) 18, 19, 20, 21, 22, 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.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

