MiTek USA, Inc.
16023 Swingley Ridge Rd
Chesterfield, MO 63017
314-434-1200

Re: 63378
Cannery Trails - 3rd Floor

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Select Truss & lumber, Inc..

Pages or sheets covered by this seal: I40654144 thru I40654173

My license renewal date for the state of Wisconsin is July 31, 2020.

Wisconsin COA: 726-011

☒ No Exception Taken ☐ Rejected
☐ Make Corrections as Noted ☐ Submit Specified Item
☐ Revise and Resubmit ☐ Not Reviewed

Submittal is reviewed only as to general conformity with design concept of the project and general compliance with the information given in the Contract Documents. Corrections and/or comments made as part of this submittal review do not relieve contractor of responsibility from conformance with the Contract Documents, applicable codes, and laws - all of which have priority over this submittal. The design professional does not warrant or represent that the information within the submittal is either accurate or complete. Sole responsibility for correct design, details, and dimensions shall remain with the party providing the submittal. Contractor is responsible for all dimensions, quantities and performance requirements to be confirmed and correlated at the job site; for all information that pertains solely to the fabrication processes or to techniques of construction; for all coordination of the work of all trades; for assuring consistency with the Contract Documents; and for performing the work in a safe and satisfactory manner.

openingdesign

Reviewed by: Luis C. Pérez Tato
Kurt Frey

Date: 03.25.2020

WISCONSIN
XUEGANG
LIU
35869
ST. LOUIS
MO
PROFESSIONAL ENGINEER

March 18,2020

Liu, Xuegang

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A1	FLOOR	40	1	I40654144
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:06 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-UvLLgt1iya5qy6voyrBjLV4ND33vrkvDsueAs?zZzrB

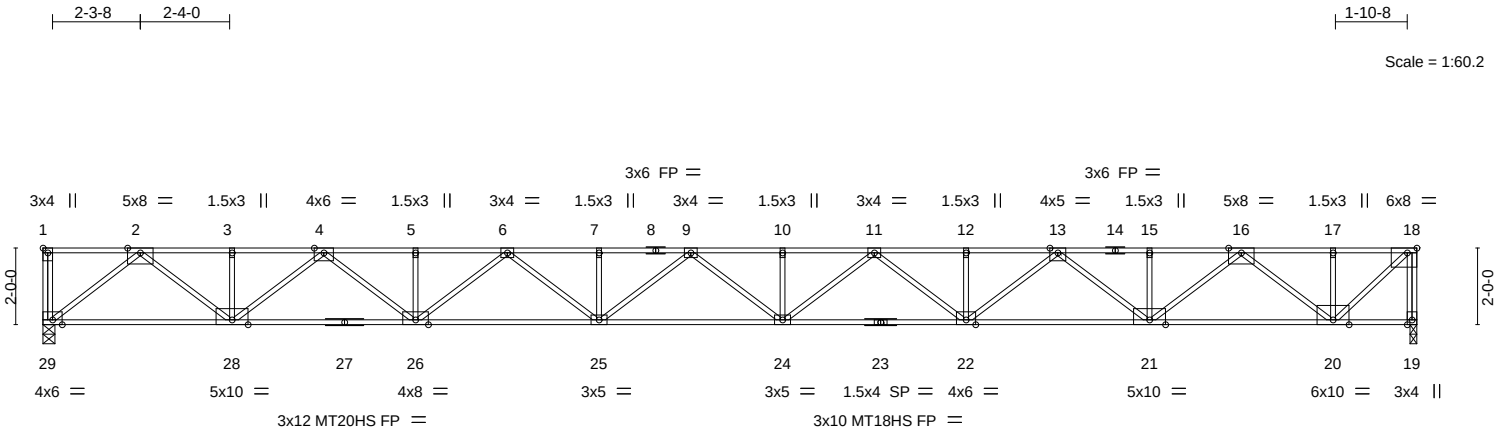

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:0-3-0,Edge]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.48	Vert(LL)	-0.58	24-25	>733	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-1.10	24-25	>388	240	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.17	19	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 169 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 19=0-2-2, 29=0-3-12
Max Grav 19=1336(LC 1), 29=1336(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-1331/0, 2-3=-2989/0, 3-4=-2989/0, 4-5=-5016/0, 5-6=-5016/0, 6-7=-6129/0, 7-9=-6129/0, 9-10=-6324/0, 10-11=-6324/0, 11-12=-5602/0, 12-13=-5602/0, 13-15=-3965/0, 15-16=-3965/0, 16-17=-1407/0, 17-18=-1407/0
BOT CHORD 28-29=0/1615, 26-28=0/4103, 25-26=0/5673, 24-25=0/6327, 22-24=0/6064, 21-22=0/4884, 20-21=0/2785
WEBS 2-29=-2044/0, 2-28=0/1745, 4-28=-1416/0, 4-26=0/1159, 6-26=-834/0, 6-25=0/580, 9-25=-251/0, 11-24=0/331, 11-22=-586/0, 13-22=0/913, 13-21=-1167/0, 16-21=0/1498, 16-20=-1750/0, 18-20=0/1901

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 23 = 11%
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
4) 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.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A2	FLOOR	52	1	I40654145
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:09 2020 Page 1
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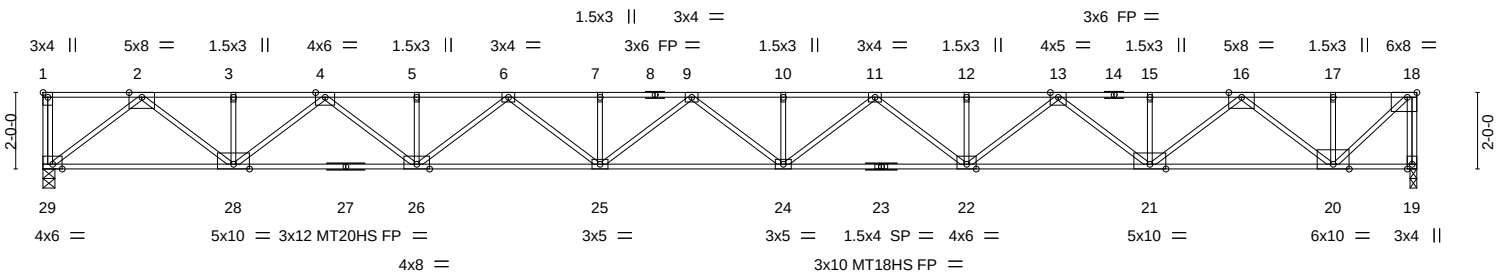
2-4-0 1-10-8

Scale = 1:60.2



35-11-0
35-11-0

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

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.48	Vert(LL)	-0.59	24-25	>730	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-1.11	24-25	>386	240	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.17	19	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 169 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 29=0-3-12, 19=0-2-2
Max Grav 29=1338(LC 1), 19=1338(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-1333/0, 2-3=-3014/0, 3-4=-3014/0, 4-5=-5037/0, 5-6=-5037/0, 6-7=-6147/0, 7-9=-6147/0, 9-10=-6338/0, 10-11=-6338/0, 11-12=-5612/0, 12-13=-5612/0, 13-15=-3970/0, 15-16=-3970/0, 16-17=-1409/0, 17-18=-1409/0
BOT CHORD 28-29=0/1643, 26-28=0/4127, 25-26=0/5692, 24-25=0/6343, 22-24=0/6075, 21-22=0/4891, 20-21=0/2789
WEBS 2-29=-2066/0, 2-28=0/1742, 4-28=-1413/0, 4-26=0/1156, 6-26=-832/0, 6-25=0/577, 11-24=0/334, 11-22=-588/0, 13-22=0/915, 13-21=-1170/0, 16-21=0/1501, 16-20=-1752/0, 18-20=0/1904

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 23 = 11%
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
4) 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.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A3	Floor	4	1	I40654146
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:10 2020 Page 1
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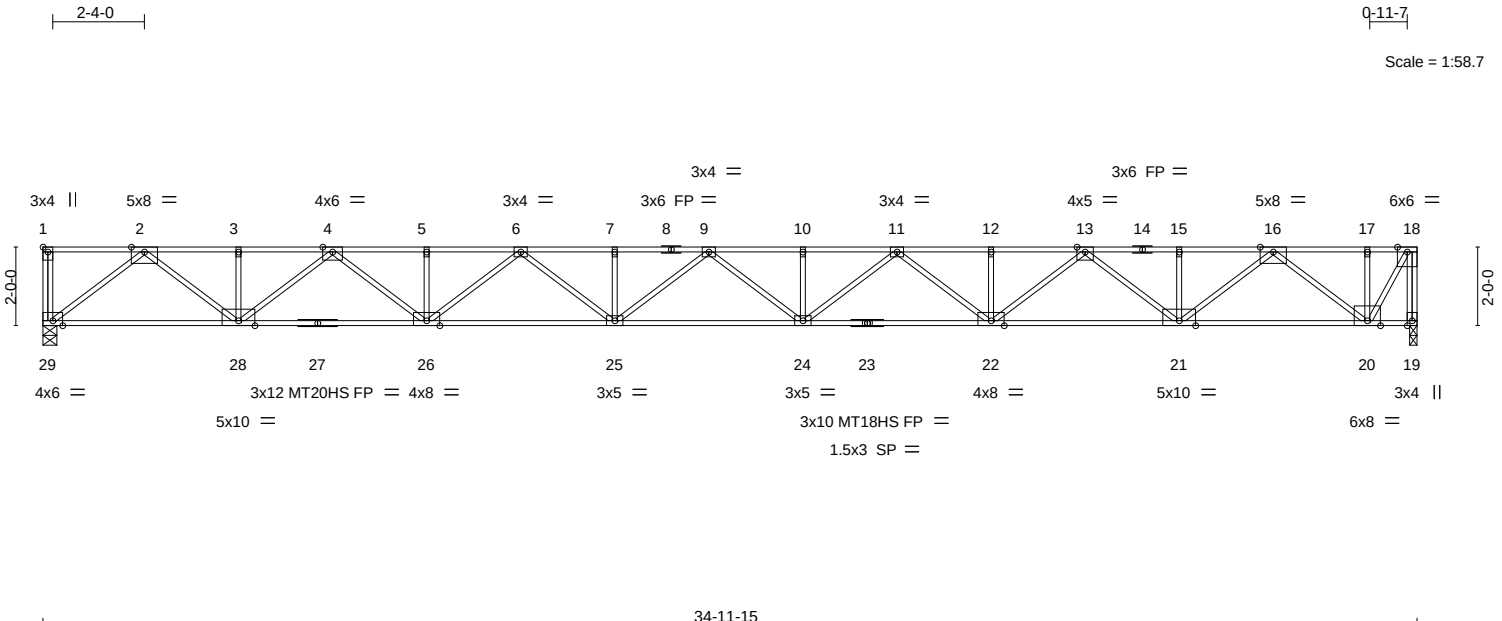

Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.53	24-25	>787	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-1.00	24-25	>415	240	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.16	19	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 166 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 29=0-4-4, 19=0-2-4
Max Grav 29=1303(LC 1), 19=1303(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-1309/0, 2-3=-2925/0, 3-4=-2925/0, 4-5=-4860/0, 5-6=-4860/0, 6-7=-5881/0, 7-9=-5881/0, 9-10=-5984/0, 10-11=-5984/0, 11-12=-5170/0, 12-13=-5170/0, 13-15=-3440/0, 15-16=-3440/0, 16-17=-787/0, 17-18=-787/0
BOT CHORD 28-29=0/1597, 26-28=0/3994, 25-26=0/5471, 24-25=0/6033, 22-24=0/5678, 21-22=0/4406, 20-21=0/2216
WEBS 2-29=-2009/0, 2-28=0/1686, 4-28=-1357/0, 4-26=0/1100, 6-26=-776/0, 6-25=0/521, 11-24=0/389, 11-22=-644/0, 13-22=0/971, 13-21=-1226/0, 16-21=0/1554, 16-20=-1815/0, 18-20=0/1513

NOTES- (6)
1) All plates are MT20 plates unless otherwise indicated.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) The Fabrication Tolerance at joint 23 = 11%
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
5) 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.
6) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A4	FLOOR	4	1	I40654147
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:11 2020 Page 1
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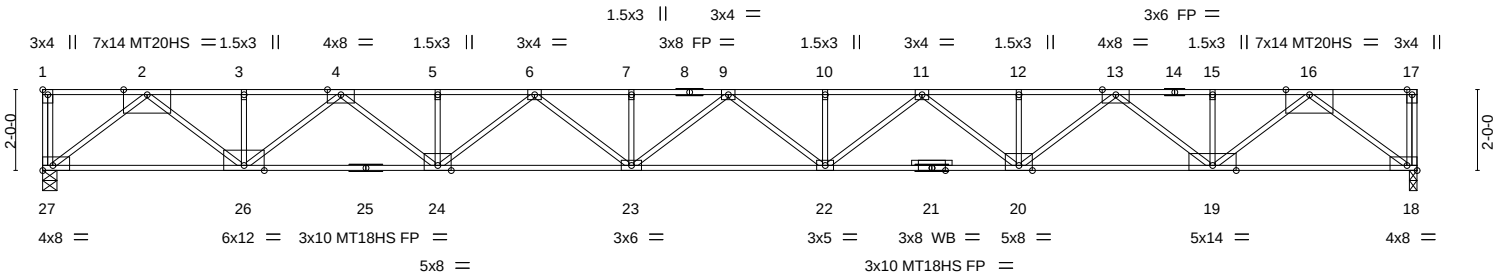
2-4-0 2-4-15

Scale = 1:57.0



BUILDING DESIGNER SHALL NOTE
MAGNITUDE OF CALCULATED DEFLECTIONS.

33-11-15
33-11-15

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8], [27:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.63	22-23	>641	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-1.20	22-23	>338	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.20	18	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 160 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)
OTHERS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 27=0-4-4, 18=0-2-4
Max Grav 27=1687(LC 1), 18=1687(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3771/0, 3-4=-3771/0, 4-5=-6223/0, 5-6=-6223/0, 6-7=-7457/0, 7-9=-7457/0, 9-10=-7467/0, 10-11=-7467/0, 11-12=-6253/0, 12-13=-6253/0, 13-15=-3820/0, 15-16=-3820/0
BOT CHORD 26-27=0/2064, 24-26=0/5132, 23-24=0/6974, 22-23=0/7595, 20-22=0/6993, 19-20=0/5172, 18-19=0/2125
WEBS 2-27=-2596/0, 2-26=0/2167, 4-26=-1728/0, 4-24=0/1386, 6-24=-953/0, 6-23=0/614, 11-22=0/601, 11-20=-941/0, 13-20=0/1372, 13-19=-1716/0, 16-19=0/2153, 16-18=-2643/0

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

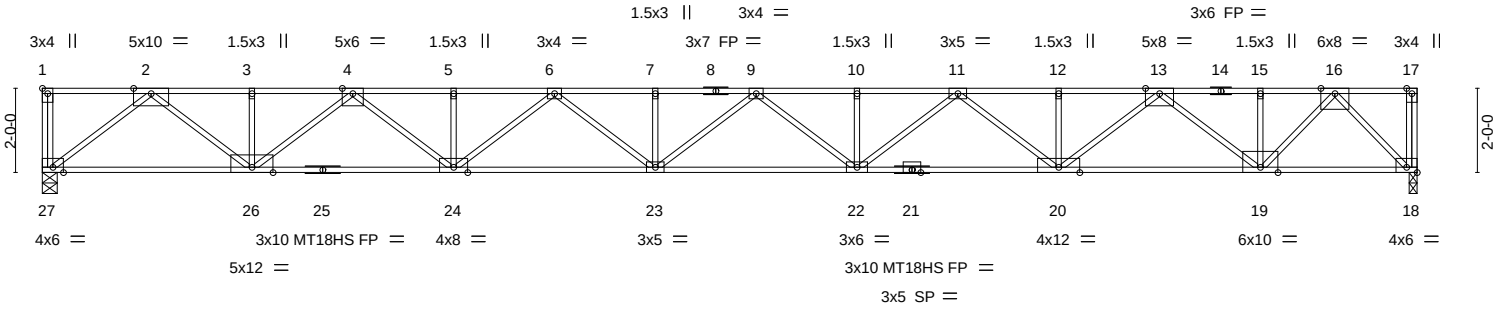
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A5	FLOOR	2	1	I40654148
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:12 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-J3jcxw5TYQrzg1MyI6I7bmKO8T47FRi5Eq5V4fzZzr5

2-4-0 1-8-8 1-8-7

Scale = 1:54.7



32-7-15
32-7-15

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

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.54	22-23	>722	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-1.02	22-23	>380	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.18	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 154 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 27=0-4-4, 18=0-2-4
Max Grav 27=1621(LC 1), 18=1621(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3598/0, 3-4=-3598/0, 4-5=-5880/0, 5-6=-5880/0, 6-7=-6944/0, 7-9=-6944/0, 9-10=-6784/0, 10-11=-6784/0, 11-12=-5401/0, 12-13=-5401/0, 13-15=-2790/0, 15-16=-2790/0
BOT CHORD 26-27=0/1977, 24-26=0/4874, 23-24=0/6546, 22-23=0/6998, 20-22=0/6226, 19-20=0/4233, 18-19=0/1498
WEBS 2-27=-2487/0, 2-26=0/2059, 4-26=-1620/0, 4-24=0/1278, 6-24=-845/0, 6-23=0/506, 9-22=-272/0, 11-22=0/708, 11-20=-1048/0, 13-20=0/1483, 13-19=-1832/0, 16-19=0/1882, 16-18=-2146/0

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A6	FLOOR	2	1	I40654149
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:14 2020 Page 1
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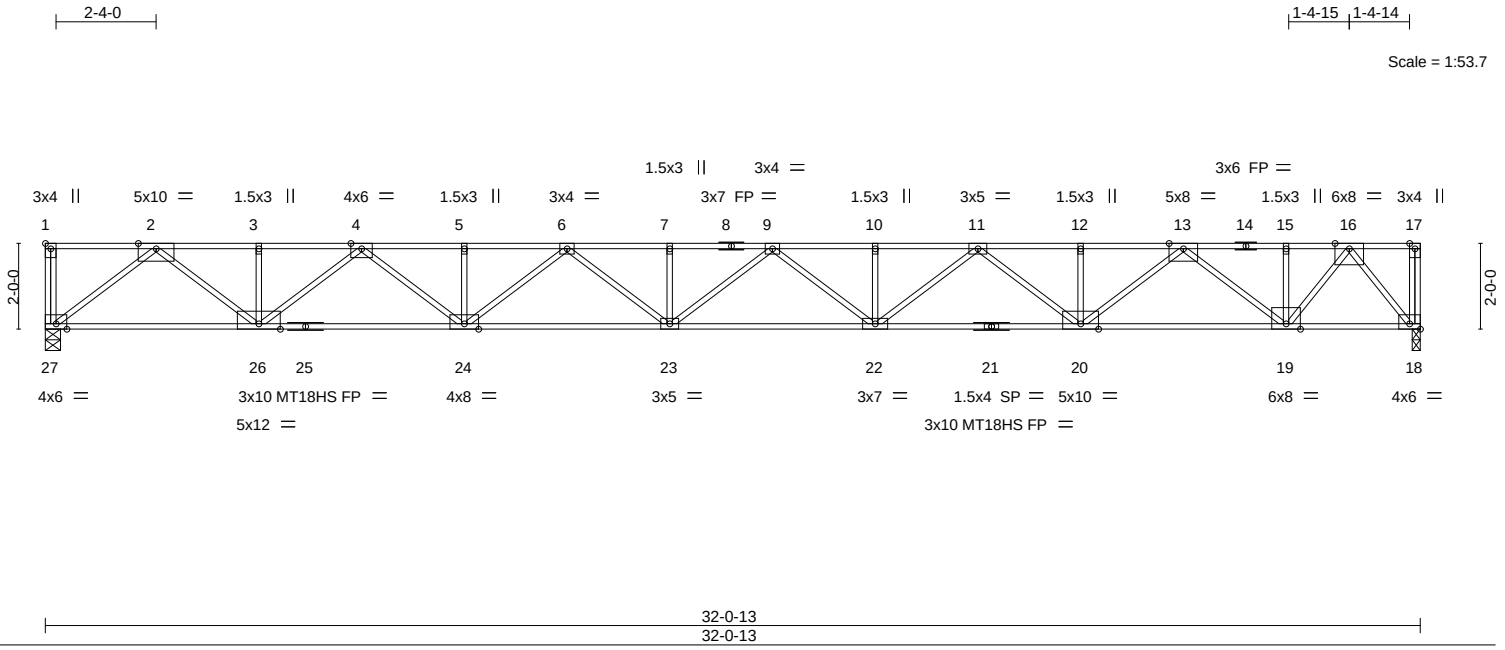

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.54	Vert(LL)	-0.50	22-23	>761	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.95	22-23	>400	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.17	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 152 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 27=0-4-4, 18=0-2-4
Max Grav 27=1591(LC 1), 18=1591(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3522/0, 3-4=-3522/0, 4-5=-5728/0, 5-6=-5728/0, 6-7=-6716/0, 7-9=-6716/0, 9-10=-6480/0, 10-11=-6480/0, 11-12=-5021/0, 12-13=-5021/0, 13-15=-2333/0, 15-16=-2333/0
BOT CHORD 26-27=0/1938, 24-26=0/4760, 23-24=0/6356, 22-23=0/6732, 20-22=0/5884, 19-20=0/3815, 18-19=0/1242
WEBS 2-27=-2438/0, 2-26=0/2010, 4-26=-1572/0, 4-24=0/1229, 6-24=-797/0, 6-23=0/458, 9-22=-320/0, 11-22=0/756, 11-20=-1096/0, 13-20=0/1532, 13-19=-1881/0, 16-19=0/1767, 16-18=-1963/0

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A7A	FLOOR	2	1	I40654150
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:15 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-jeOlZy7MrLEYXV5X_ErqCOxtDh6jSnaXwoK9h_zZzr2

2-4-0 1-2-15

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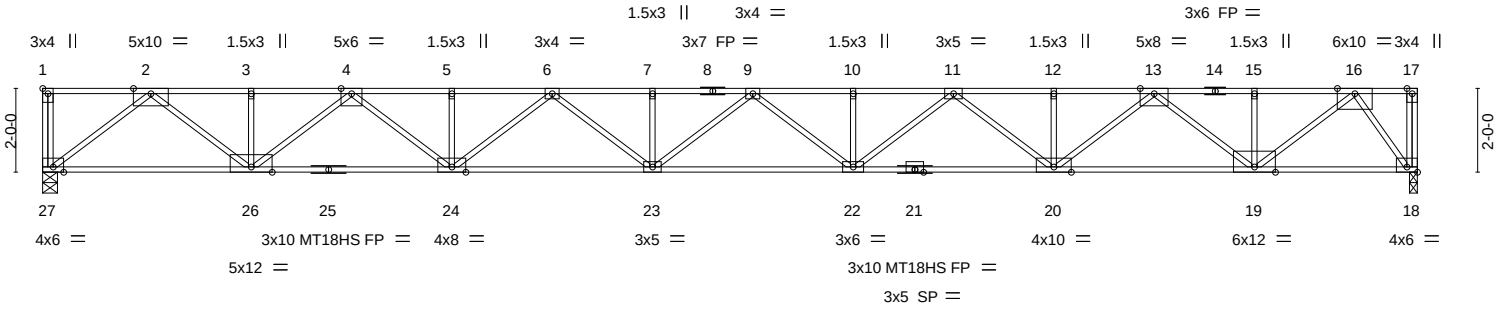

32-9-15
32-9-15

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

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.55	22-23	>711	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-1.05	22-23	>374	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.18	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 155 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 27=0-4-4, 18=0-2-4
Max Grav 27=1629(LC 1), 18=1629(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3620/0, 3-4=-3620/0, 4-5=-5923/0, 5-6=-5923/0, 6-7=-7008/0, 7-9=-7008/0, 9-10=-6869/0, 10-11=-6869/0, 11-12=-5508/0, 12-13=-5508/0, 13-15=-2924/0, 15-16=-2924/0
BOT CHORD 26-27=0/1988, 24-26=0/4906, 23-24=0/6600, 22-23=0/7072, 20-22=0/6322, 19-20=0/4349, 18-19=0/1150
WEBS 2-27=-2500/0, 2-26=0/2072, 4-26=-1634/0, 4-24=0/1291, 6-24=-859/0, 6-23=0/519, 9-22=-258/0, 11-22=0/695, 11-20=-1034/0, 13-20=0/1472, 13-19=-1809/0, 16-19=0/2252, 16-18=-1950/0

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A7B	FLOOR	2	1	I40654151
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:16 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-Bqy7mI8_beMP9fgjXyM3lcU3A5T5BEmh9S3iDQzZzr1

2-4-0 1-0-7

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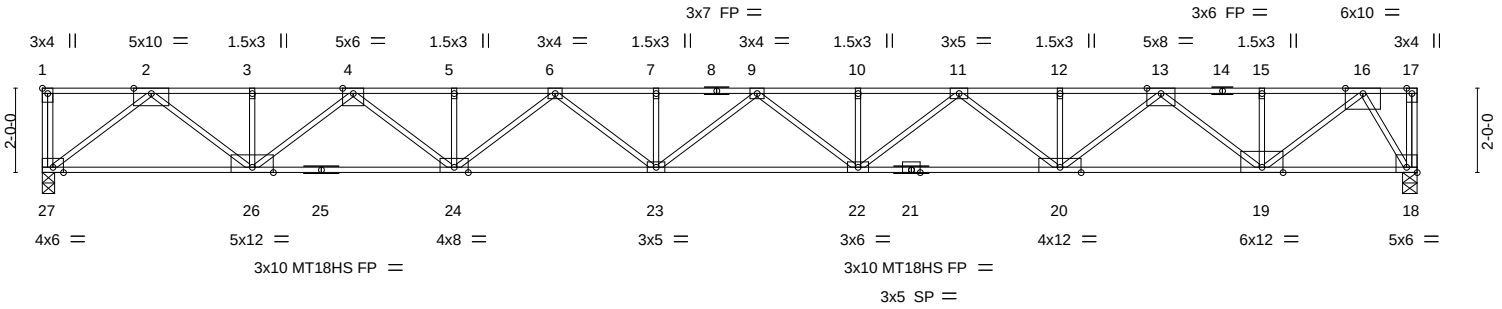

32-7-7
32-7-7

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

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.54	22-23	>724	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-1.02	22-23	>380	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.17	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 154 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-3 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 27=0-3-8, 18=0-4-2
Max Grav 27=1618(LC 1), 18=1618(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3593/0, 3-4=-3593/0, 4-5=-5870/0, 5-6=-5870/0, 6-7=-6928/0, 7-9=-6928/0, 9-10=-6762/0, 10-11=-6762/0, 11-12=-5375/0, 12-13=-5375/0, 13-15=-2764/0, 15-16=-2764/0
BOT CHORD 26-27=0/1974, 24-26=0/4866, 23-24=0/6533, 22-23=0/6979, 20-22=0/6202, 19-20=0/4202, 18-19=0/978
WEBS 2-27=-2483/0, 2-26=0/2055, 4-26=-1617/0, 4-24=0/1274, 6-24=-842/0, 6-23=0/502, 9-22=-275/0, 11-22=0/711, 11-20=-1051/0, 13-20=0/1489, 13-19=-1827/0, 16-19=0/2268, 16-18=-1856/0

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A8	FLOOR	2	1	I40654152
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:18 2020 Page 1
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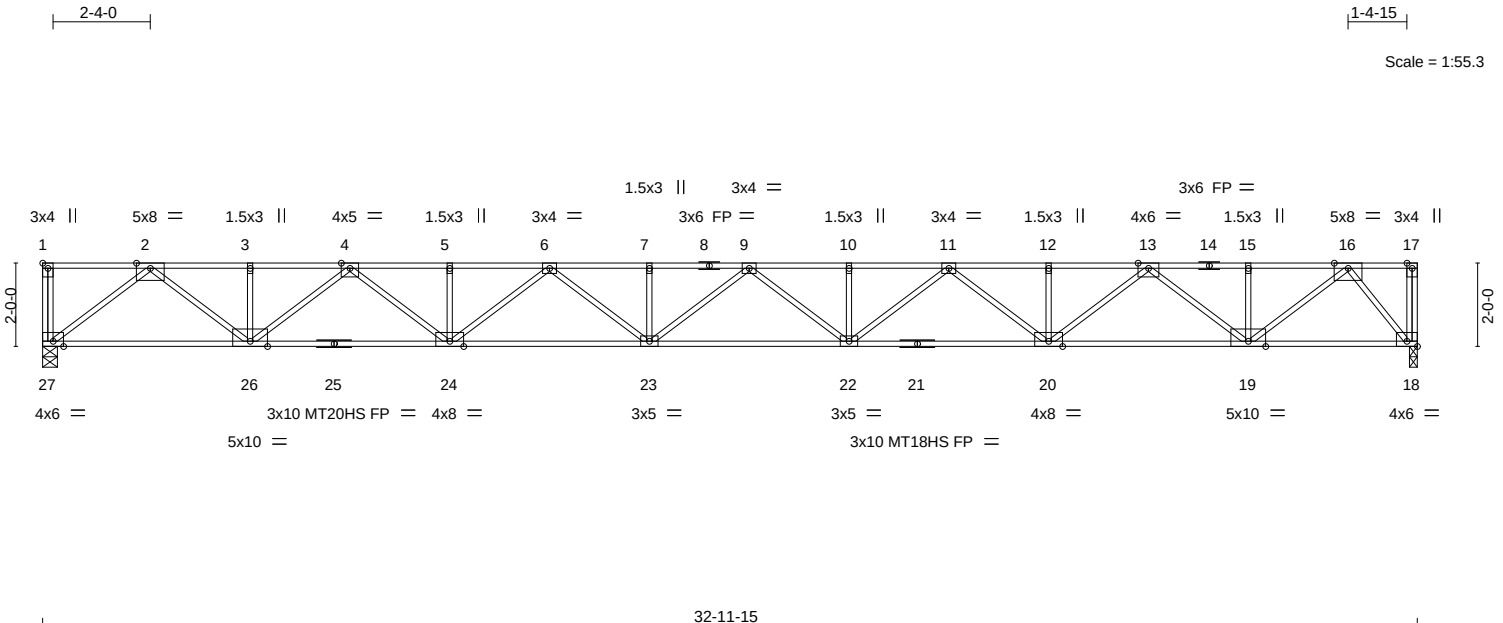

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.42	22-23	>934	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.80	22-23	>491	240	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.13	18	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 155 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 27=0-4-4, 18=0-2-4
Max Grav 27=1228(LC 1), 18=1228(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2731/0, 3-4=-2731/0, 4-5=-4474/0, 5-6=-4474/0, 6-7=-5304/0, 7-9=-5304/0, 9-10=-5216/0, 10-11=-5216/0, 11-12=-4211/0, 12-13=-4211/0, 13-15=-2289/0, 15-16=-2289/0
BOT CHORD 26-27=0/1499, 24-26=0/3704, 23-24=0/4990, 22-23=0/5360, 20-22=0/4814, 19-20=0/3350, 18-19=0/966
WEBS 2-27=-1886/0, 2-26=0/1564, 4-26=-1236/0, 4-24=0/978, 6-24=-654/0, 6-23=0/400, 11-22=0/511, 11-20=-765/0, 13-20=0/1093, 13-19=-1347/0, 16-19=0/1680, 16-18=-1525/0

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A9	FLOOR	2	1	I40654153
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:19 2020 Page 1
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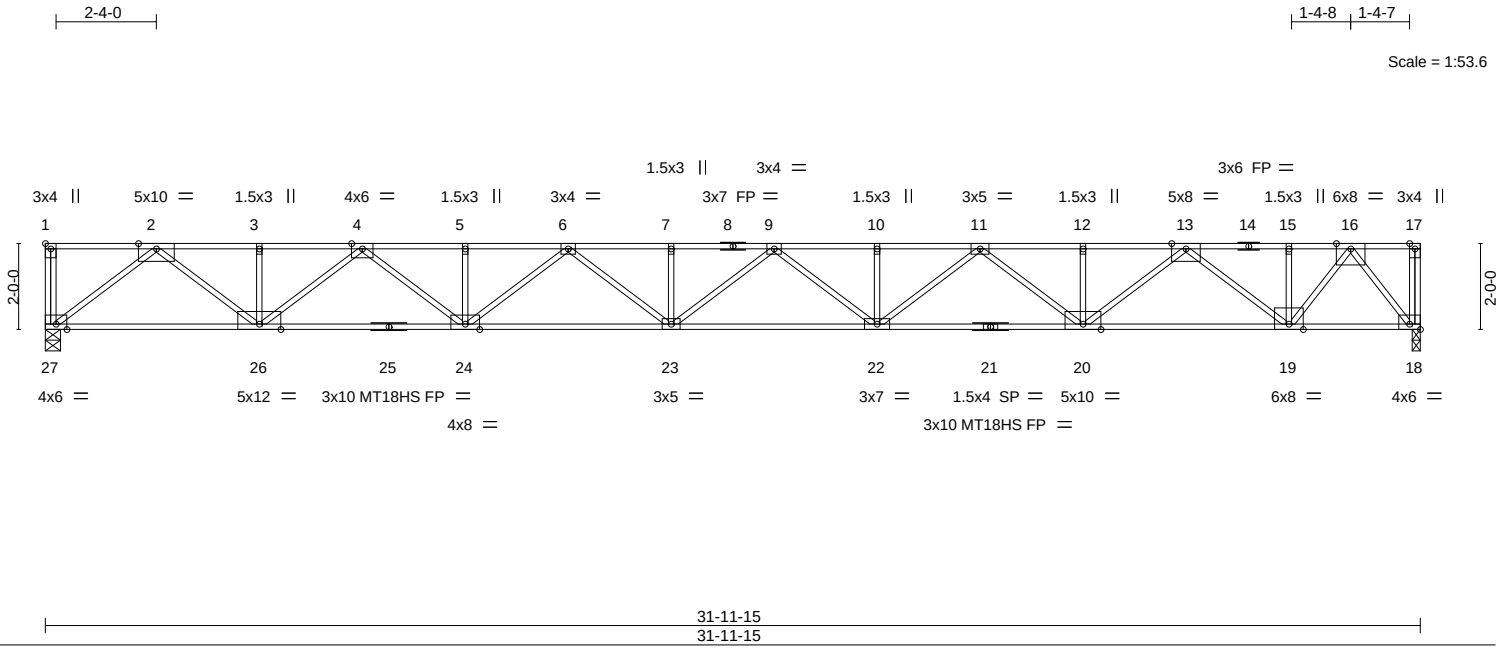

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.54	Vert(LL)	-0.50	22-23	>766	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.95	22-23	>403	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.16	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 152 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 27=0-4-4, 18=0-2-4
Max Grav 27=1587(LC 1), 18=1587(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3512/0, 3-4=-3512/0, 4-5=-5709/0, 5-6=-5709/0, 6-7=-6688/0, 7-9=-6688/0, 9-10=-6442/0, 10-11=-6442/0, 11-12=-4975/0, 12-13=-4975/0, 13-15=-2277/0, 15-16=-2277/0
BOT CHORD 26-27=0/1934, 24-26=0/4746, 23-24=0/6332, 22-23=0/6699, 20-22=0/5843, 19-20=0/3763, 18-19=0/1210
WEBS 2-27=-2432/0, 2-26=0/2005, 4-26=-1566/0, 4-24=0/1224, 6-24=-791/0, 6-23=0/452, 9-22=-326/0, 11-22=0/762, 11-20=-1102/0, 13-20=0/1538, 13-19=-1887/0, 16-19=0/1753, 16-18=-1942/0

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	A10	Floor	2	1	I40654154
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:08 2020 Page 1
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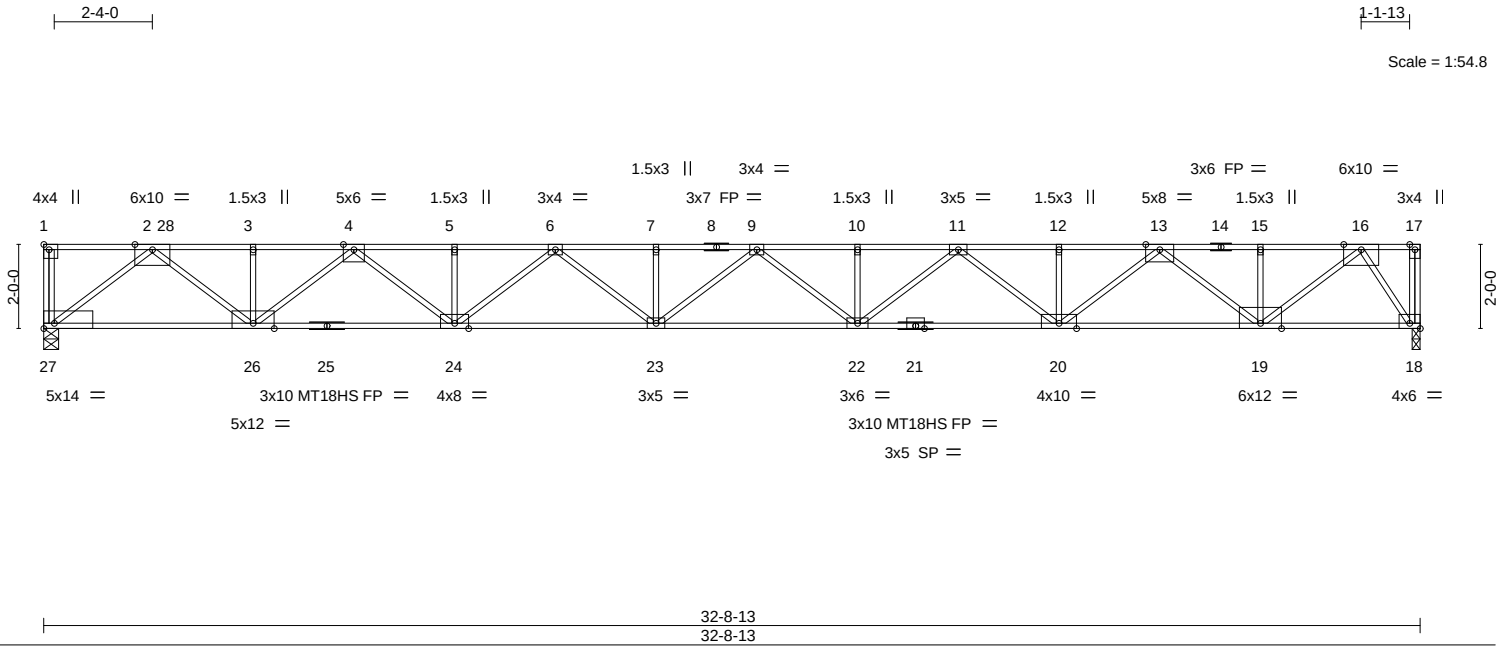

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8], [27:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.70	Vert(LL)	-0.54	22-23	>716	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-1.04	22-23	>377	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.17	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 154 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 27=0-4-4, 18=0-2-4
Max Grav 27=4550(LC 1), 18=1624(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-27=-3015/0, 2-3=-3608/0, 3-4=-3608/0, 4-5=-5899/0, 5-6=-5899/0, 6-7=-6973/0, 7-9=-6973/0, 9-10=-6822/0, 10-11=-6822/0, 11-12=-5449/0, 12-13=-5449/0, 13-15=-2853/0, 15-16=-2853/0
BOT CHORD 26-27=0/1983, 24-26=0/4889, 23-24=0/6570, 22-23=0/7031, 20-22=0/6269, 19-20=0/4284, 18-19=0/1074
WEBS 2-27=-2494/0, 2-26=0/2087, 4-26=-1628/0, 4-24=0/1291, 6-24=-857/0, 6-23=0/518, 9-22=-266/0, 11-22=0/702, 11-20=-1041/0, 13-20=0/1480, 13-19=-1817/0, 16-19=0/2259, 16-18=-1907/0

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) The Fabrication Tolerance at joint 21 = 11%
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
5) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
6) 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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2926 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-27=-13, 1-17=-87
Concentrated Loads (lb)
Vert: 1=-2926(F)

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Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-27=-13, 1-17=-87
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-27=-13, 1-28=-87, 17-28=-33
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-27=-13, 1-28=-33, 17-28=-87
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-27=-13, 1-28=-87, 17-28=-33
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-27=-13, 1-28=-33, 17-28=-87
   Concentrated Loads (lb)
      Vert: 1=-2926(F)

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	AGR	FLOOR	4	2	I40654155
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:21 2020 Page 1
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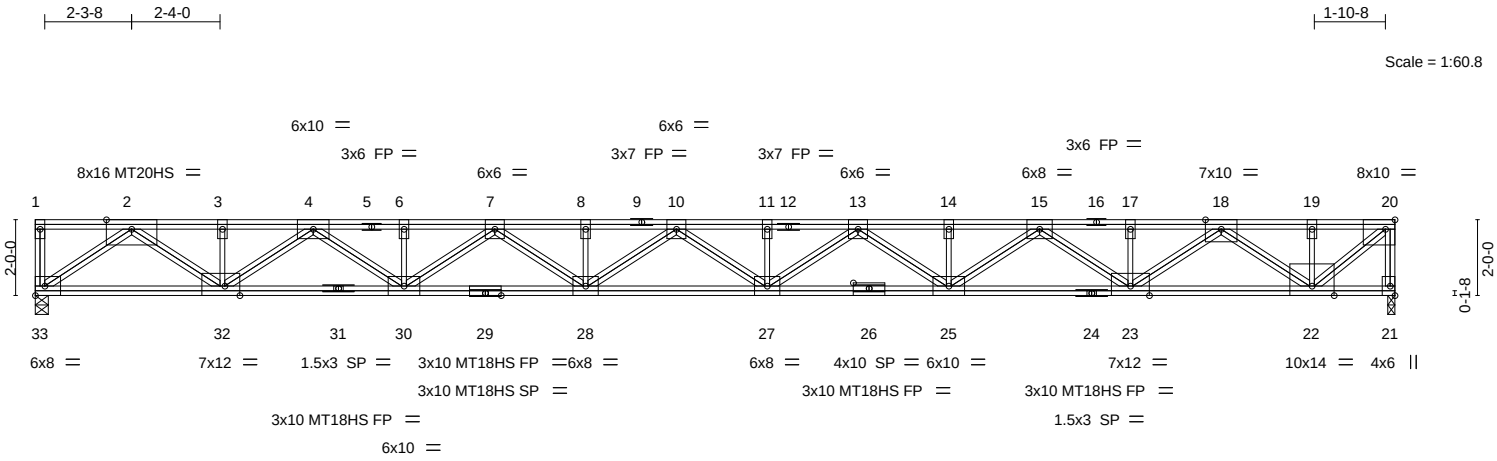

BUILDING DESIGNER SHALL NOTE
MAGNITUDE OF CALCULATED DEFLECTIONS.

35-10-8
35-10-8

Plate Offsets (X,Y)-- [20:0-3-0,Edge], [26:0-5-0,0-1-12], [32:0-4-12,Edge]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.56	Vert(LL)	-0.70	27-28	>606	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-1.32	27-28	>323	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.19	21	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 614 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 33=0-4-2, 21=0-2-4
Max Grav 33=5552(LC 1), 21=5552(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 20-21=-5451/0, 2-3=-13496/0, 3-4=-13496/0, 4-6=-22420/0, 6-7=-22420/0, 7-8=-27384/0, 8-10=-27384/0, 10-11=-28247/0, 11-13=-28247/0, 13-14=-25038/0, 14-15=-25038/0, 15-17=-17780/0, 17-18=-17780/0, 18-19=-6392/0, 19-20=-6393/0
BOT CHORD 32-33=0/6910, 30-32=0/18082, 28-30=0/25025, 27-28=0/27939, 25-27=0/26765, 23-25=0/21532, 22-23=0/12186
WEBS 2-33=-8530/0, 2-32=0/8156, 4-32=-5679/0, 4-30=0/5372, 7-30=-3226/0, 7-28=0/2922, 10-28=-687/0, 10-27=0/382, 13-27=0/1835, 13-25=-2140/0, 15-25=0/4341, 15-23=-4646/0, 18-23=0/6928, 18-22=-7191/0, 20-22=0/8358

NOTES- (8)
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 29 = 11%, joint 31 = 11%, joint 24 = 11%, joint 26 = 11%
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
6) 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.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 21-33=-247(F=-237), 1-20=-65

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	B1	FLOOR	102	1	I40654156
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:21 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-Yol0p?C7QB_hFQYhKVyESfB_T6G0scAQJknTtezZzqy

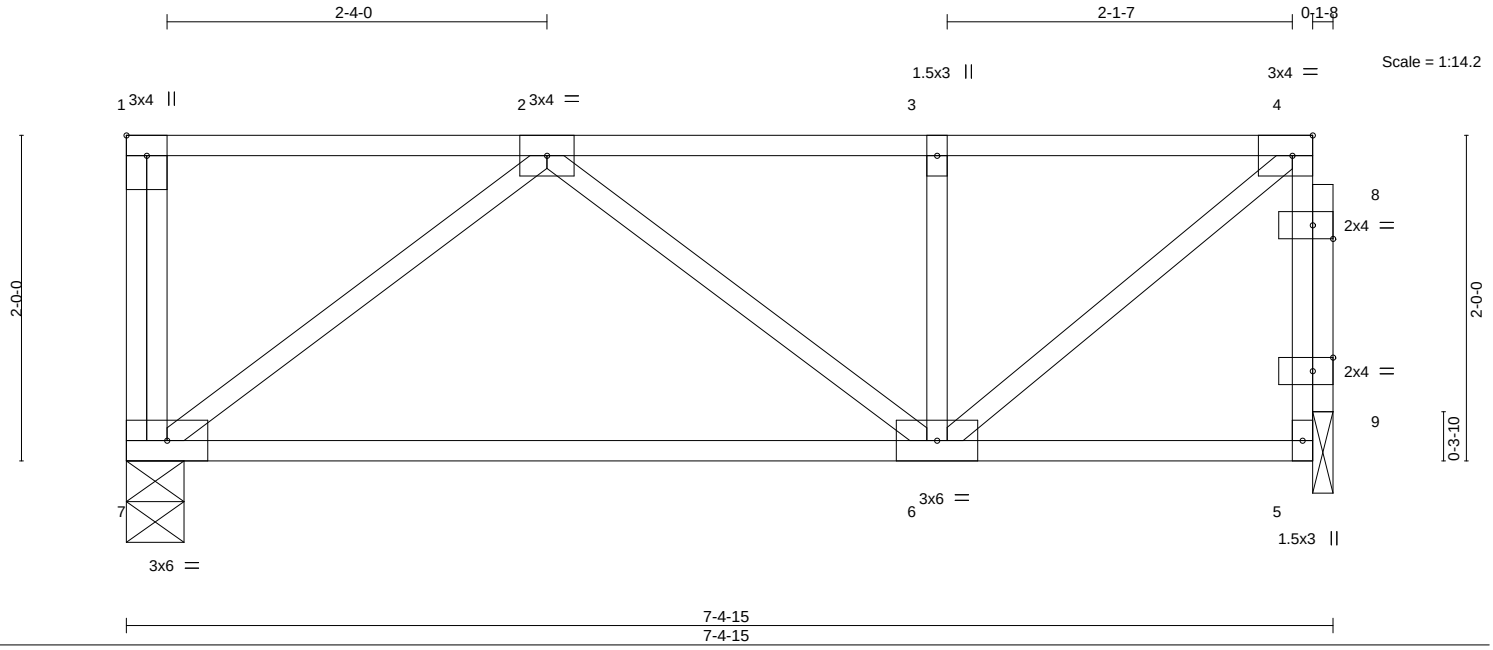

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [8:0-1-8,0-1-0], [9:0-1-8,0-1-0]

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)	-0.01	6	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.11	6-7	>778	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 36 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 1650F 1.4E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 7=0-4-4, 9=0-1-8
Max Grav 7=532(LC 1), 9=532(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-9=-529/0, 2-3=-493/0, 3-4=-493/0
BOT CHORD 6-7=0/478
WEBS 2-7=-601/0, 3-6=-325/0, 4-6=0/642

NOTES- (5)
1) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
3) 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.
4) CAUTION, Do not erect truss backwards.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	BEL	GABLE	8	1	I40654157
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:22 2020 Page 1
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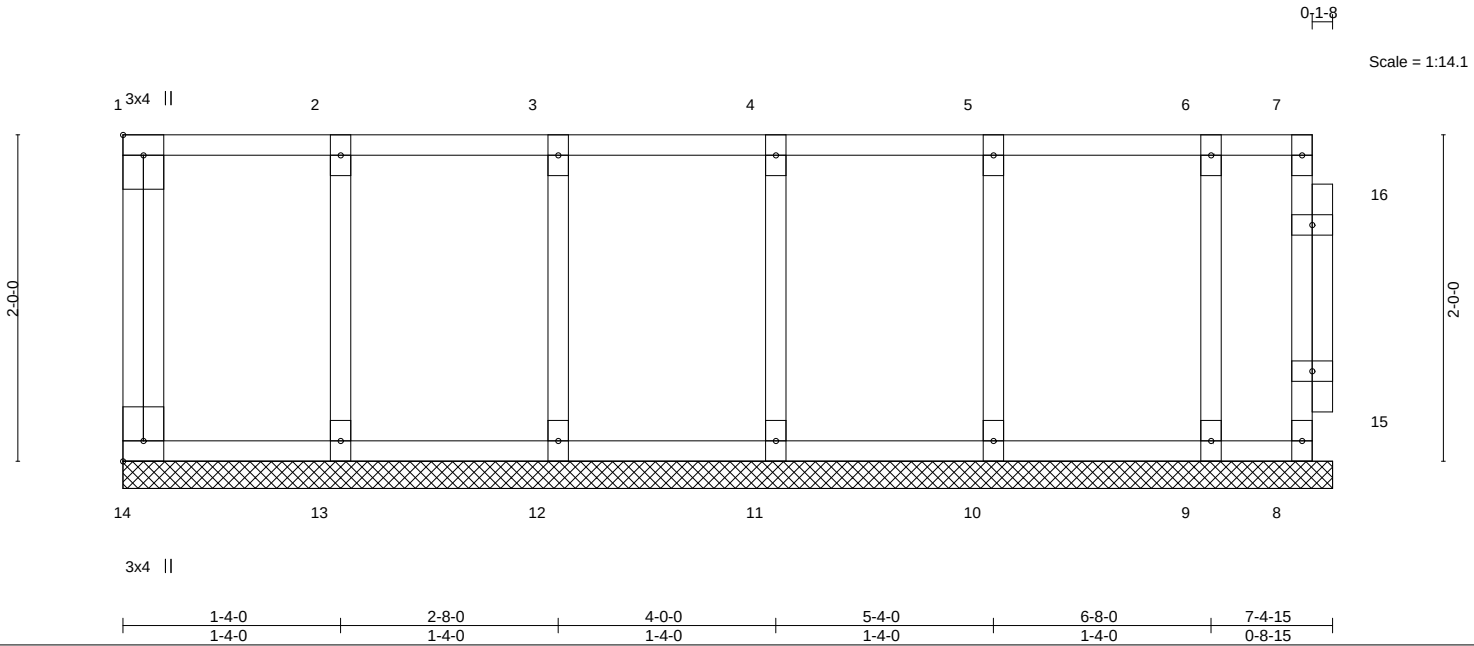

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [14:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-R							Weight: 34 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 1650F 1.4E(flat)
WEBS 2x4 SPF No.2(flat)
OTHERS 2x4 SPF No.2(flat)

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

REACTIONS. All bearings 7-4-15.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES- (7)
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 10-0-0 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.
6) CAUTION, Do not erect truss backwards.
7) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C1	FLOOR	145	1	I40654158
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:23 2020 Page 1
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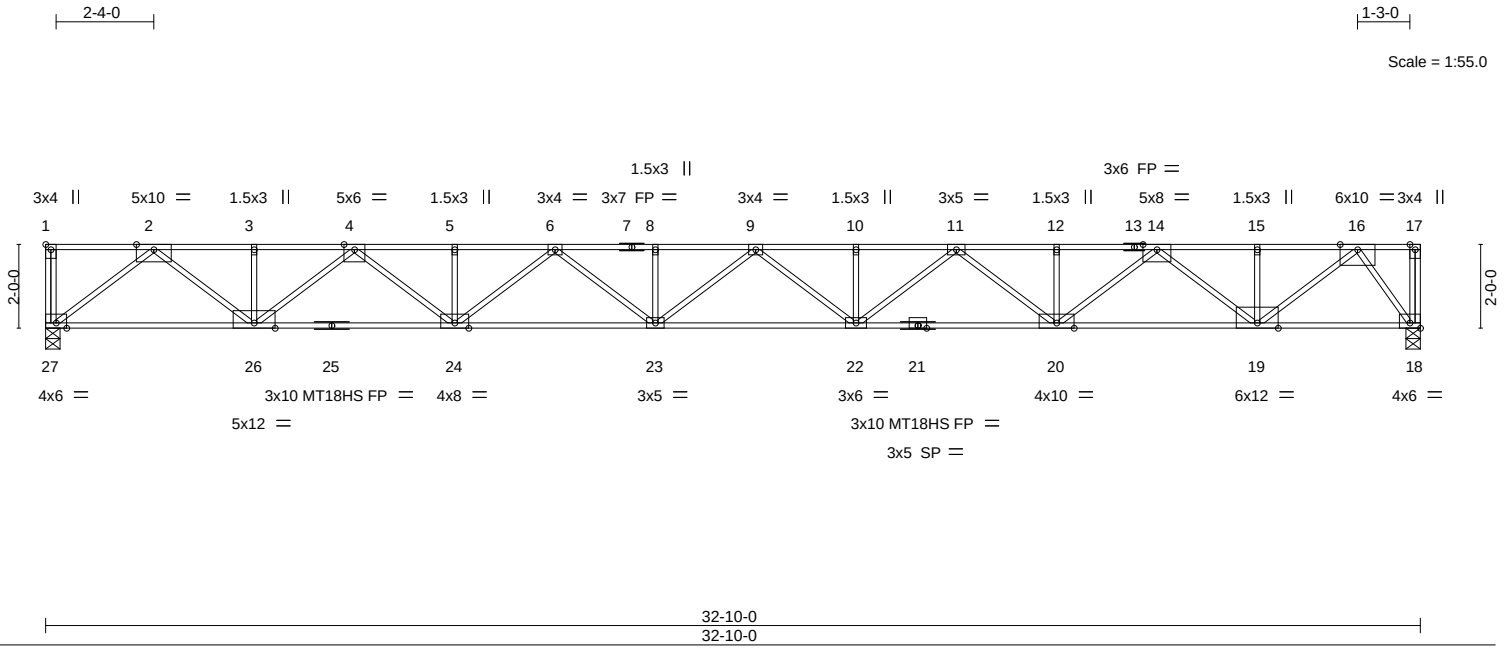

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.55	22-23	>710	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-1.05	22-23	>373	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.18	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 155 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 27=0-4-2, 18=0-4-2
Max Grav 27=1629(LC 1), 18=1629(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3620/0, 3-4=-3620/0, 4-5=-5925/0, 5-6=-5925/0, 6-8=-7010/0, 8-9=-7010/0, 9-10=-6872/0, 10-11=-6872/0, 11-12=-5511/0, 12-14=-5511/0, 14-15=-2928/0, 15-16=-2928/0
BOT CHORD 26-27=0/1988, 24-26=0/4908, 23-24=0/6601, 22-23=0/7075, 20-22=0/6325, 19-20=0/4352, 18-19=0/1154
WEBS 2-27=-2501/0, 2-26=0/2072, 4-26=-1634/0, 4-24=0/1291, 6-24=-859/0, 6-23=0/520, 9-22=-258/0, 11-22=0/694, 11-20=-1034/0, 14-20=0/1471, 14-19=-1809/0, 16-19=0/2252, 16-18=-1952/0

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C1A	FLOOR	2	1	I40654159
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:24 2020 Page 1
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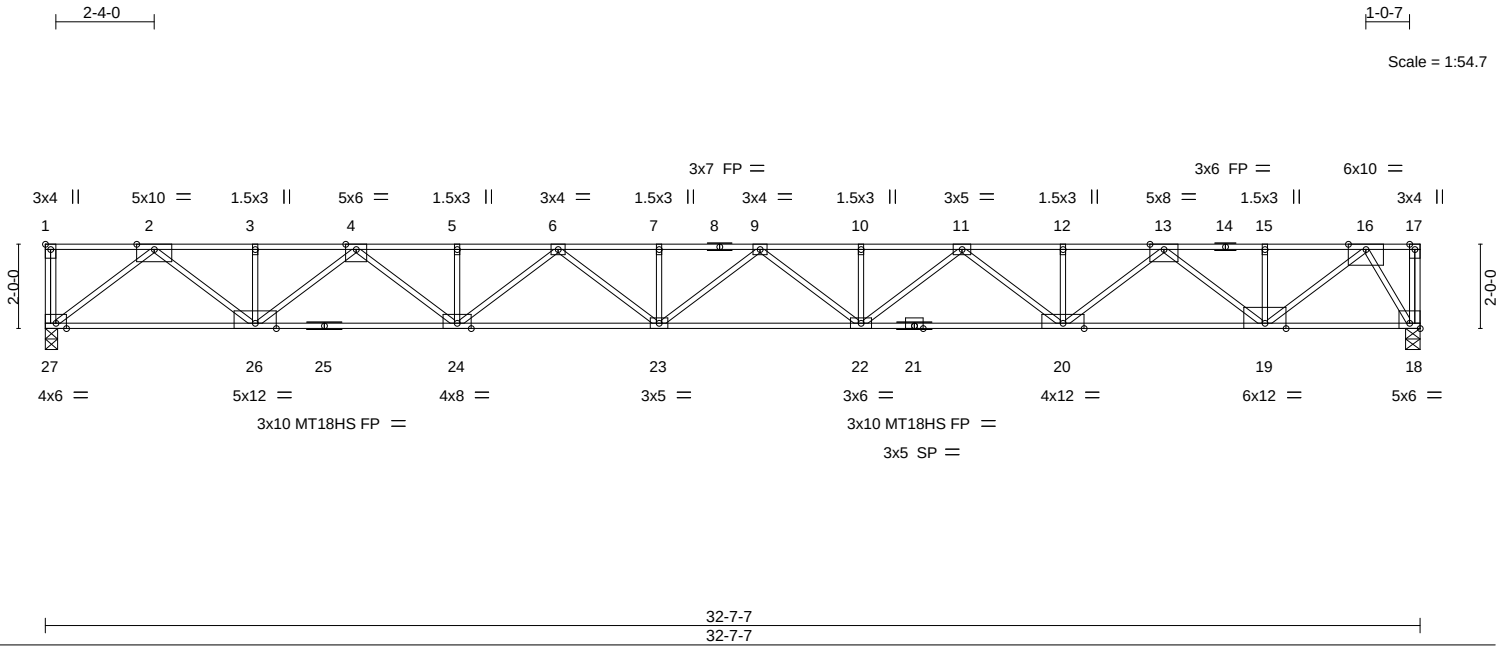

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.54	22-23	>724	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-1.02	22-23	>380	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.17	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 154 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-3 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 27=0-3-8, 18=0-4-2
Max Grav 27=1618(LC 1), 18=1618(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3593/0, 3-4=-3593/0, 4-5=-5870/0, 5-6=-5870/0, 6-7=-6928/0, 7-9=-6928/0, 9-10=-6762/0, 10-11=-6762/0, 11-12=-5375/0, 12-13=-5375/0, 13-15=-2764/0, 15-16=-2764/0
BOT CHORD 26-27=0/1974, 24-26=0/4866, 23-24=0/6533, 22-23=0/6979, 20-22=0/6202, 19-20=0/4202, 18-19=0/978
WEBS 2-27=-2483/0, 2-26=0/2055, 4-26=-1617/0, 4-24=0/1274, 6-24=-842/0, 6-23=0/502, 9-22=-275/0, 11-22=0/711, 11-20=-1051/0, 13-20=0/1489, 13-19=-1827/0, 16-19=0/2268, 16-18=-1856/0

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C1B	Floor	5	1	I40654160
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:25 2020 Page 1
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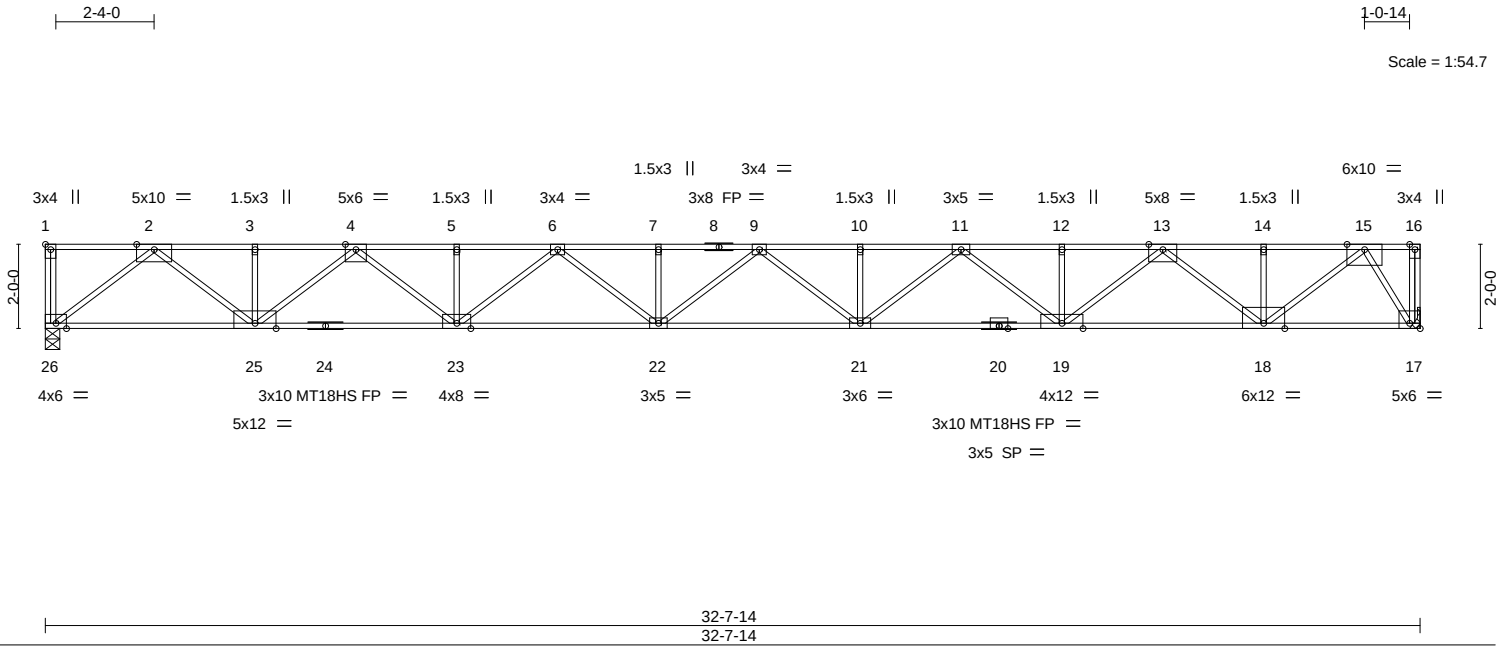

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [17:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.65	Vert(LL)	-0.57	21-22	>686	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-1.08	21-22	>361	240	MT18HS	220/195
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.17	17	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 147 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 26=0-4-2, 17=Mechanical
Max Grav 26=1620(LC 1), 17=1620(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3597/0, 3-4=-3597/0, 4-5=-5878/0, 5-6=-5878/0, 6-7=-6941/0, 7-9=-6941/0, 9-10=-6779/0, 10-11=-6779/0, 11-12=-5396/0, 12-13=-5396/0, 13-14=-2790/0, 14-15=-2790/0
BOT CHORD 25-26=0/1977, 23-25=0/4873, 22-23=0/6544, 21-22=0/6995, 19-21=0/6223, 18-19=0/4227, 17-18=0/1006
WEBS 2-26=-2486/0, 2-25=0/2057, 4-25=-1621/0, 4-23=0/1276, 6-23=-846/0, 6-22=0/503, 9-21=-274/0, 11-21=0/707, 11-19=-1049/0, 13-19=0/1485, 13-18=-1824/0, 15-18=0/2265, 15-17=-1871/0

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 20 = 11%
3) Refer to girder(s) for truss to truss connections.
4) 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.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C2	Floor	52	1	I40654161
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:26 2020 Page 1
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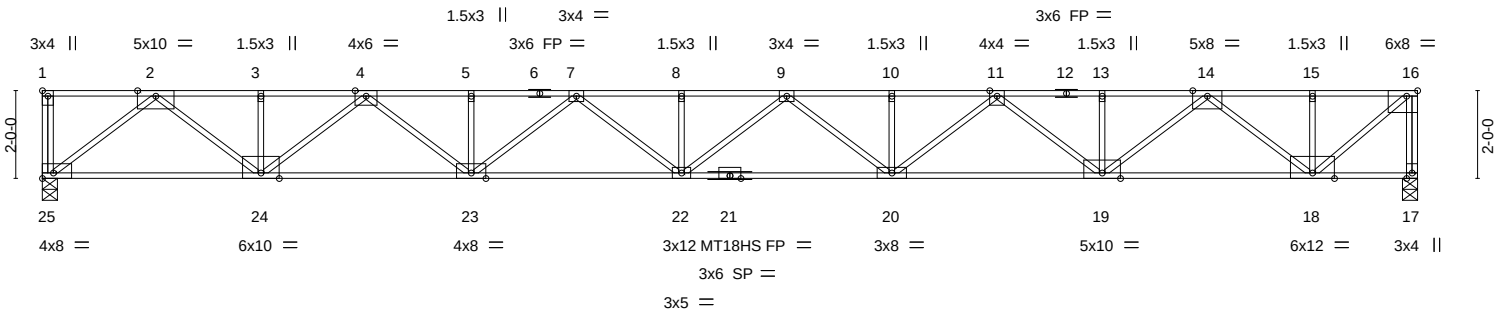

31-4-0
31-4-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [16:0-3-0,Edge], [25:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.51	20-22	>735	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.97	20-22	>386	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.17	17	n/a	n/a		
BCDL	10.0	Code	WISC/IBC15/TPI2014	Matrix-SH							Weight: 134 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 25=0-4-2, 17=0-4-2
Max Grav 25=1554(LC 1), 17=1554(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-1546/0, 2-3=-3426/0, 3-4=-3426/0, 4-5=-5539/0, 5-7=-5539/0, 7-8=-6433/0, 8-9=-6433/0, 9-10=-6103/0, 10-11=-6103/0, 11-13=-4552/0, 13-14=-4552/0, 14-15=-1776/0, 15-16=-1776/0
BOT CHORD 24-25=0/1890, 23-24=0/4618, 22-23=0/6120, 20-22=0/6401, 19-20=0/5460, 18-19=0/3294
WEBS 2-25=-2377/0, 2-24=0/1951, 4-24=-1512/0, 4-23=0/1170, 7-23=-738/0, 7-22=0/398, 9-20=-379/0, 11-20=0/816, 11-19=-1154/0, 14-19=0/1597, 14-18=-1928/0, 16-18=0/2304

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C3	FLOOR	9	1	I40654162
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:27 2020 Page 1
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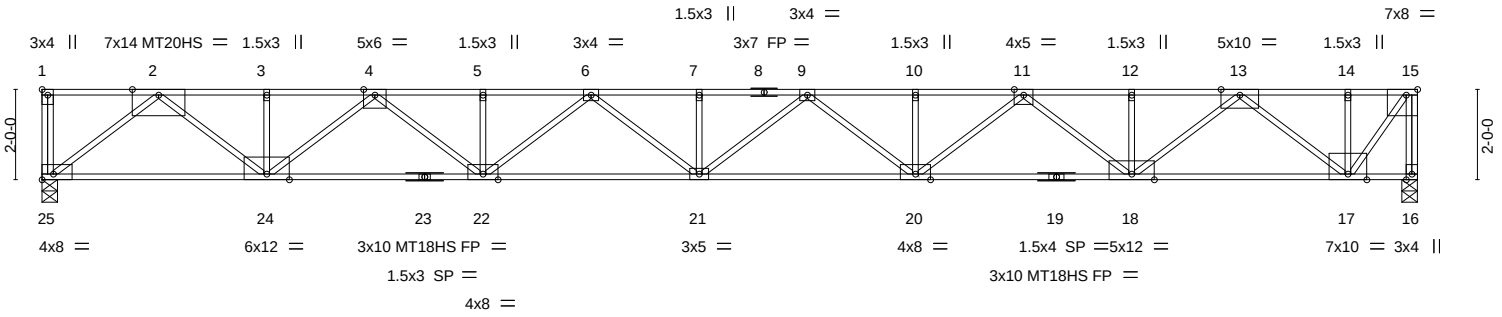

30-5-12
30-5-12

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-3-0,Edge], [25:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.50	20-21	>732	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.94	20-21	>386	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.17	16	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 145 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 25=0-4-2, 16=0-4-2
Max Grav 25=1813(LC 1), 16=1813(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-1816/0, 2-3=-3977/0, 3-4=-3977/0, 4-5=-6380/0, 5-6=-6380/0, 6-7=-7322/0, 7-9=-7322/0, 9-10=-6795/0, 10-11=-6795/0, 11-12=-4804/0, 12-13=-4804/0, 13-14=-1337/0, 14-15=-1337/0
BOT CHORD 24-25=0/2200, 22-24=0/5340, 21-22=0/7011, 20-21=0/7219, 18-20=0/5960, 17-18=0/3234
WEBS 2-25=-2767/0, 2-24=0/2257, 4-24=-1731/0, 4-22=0/1320, 6-22=-802/0, 6-21=0/395, 9-20=-538/0, 11-20=0/1061, 11-18=-1468/0, 13-18=0/1994, 13-17=-2408/0, 15-17=0/2218

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 23 = 11%, joint 19 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C4	FLOOR	7	1	I40654163
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:29 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-JKE1VkI8Ye?ZDfADoA56nLXGqKtbk7?b8zju9AzZzqq

2-4-0 1-3-7

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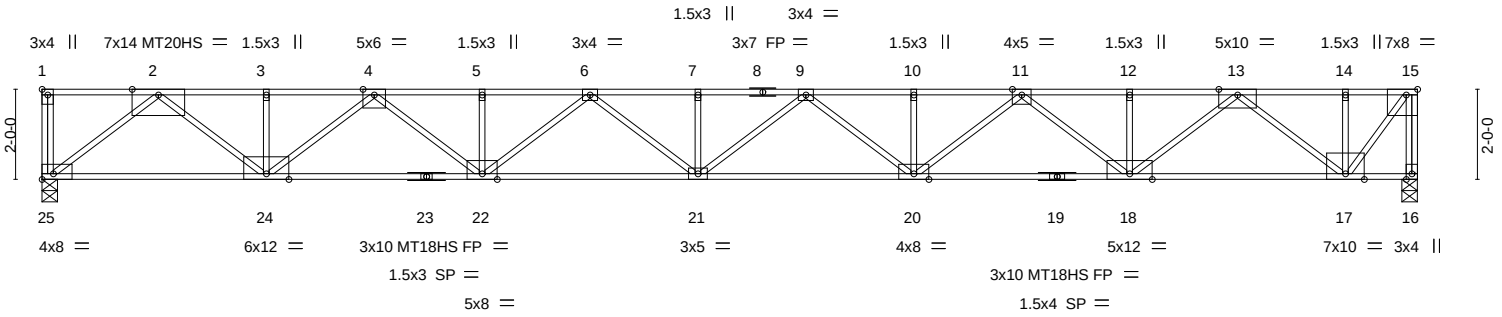

30-6-7
30-6-7

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-3-0,Edge], [25:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.50	20-21	>728	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.95	20-21	>384	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.17	16	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 145 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 25=0-4-2, 16=0-4-2
Max Grav 25=1816(LC 1), 16=1816(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-1819/0, 2-3=-3986/0, 3-4=-3986/0, 4-5=-6397/0, 5-6=-6397/0, 6-7=-7348/0, 7-9=-7348/0, 9-10=-6830/0, 10-11=-6830/0, 11-12=-4848/0, 12-13=-4848/0, 13-14=-1390/0, 14-15=-1390/0
BOT CHORD 24-25=0/2204, 22-24=0/5353, 21-22=0/7033, 20-21=0/7250, 18-20=0/5999, 17-18=0/3282
WEBS 2-25=-2772/0, 2-24=0/2262, 4-24=-1737/0, 4-22=0/1326, 6-22=-807/0, 6-21=0/400, 9-20=-532/0, 11-20=0/1055, 11-18=-1462/0, 13-18=0/1988, 13-17=-2402/0, 15-17=0/2250

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 23 = 11%, joint 19 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C5	Floor	7	1	I40654164
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:30 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-nXoQi4Jmly7QqokPMucLJZ3N5kAKTaGlNdSSiczZzqp

2-4-0 1-2-15

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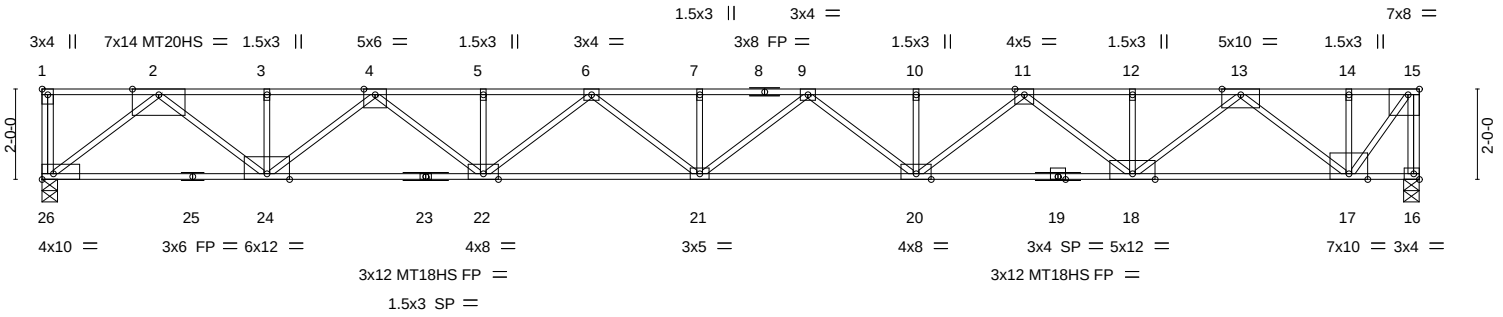

BUILDING DESIGNER SHALL NOTE
MAGNITUDE OF CALCULATED DEFLECTIONS.

30-5-15
30-5-15

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-3-0,Edge], [26:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.93	Vert(LL)	-0.62	20-21	>584	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-1.18	20-21	>308	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.19	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 132 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat) *Except*
25-26: 2x4 SPF 1650F 1.4E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 26=0-4-2, 16=0-4-2
Max Grav 26=1814(LC 1), 16=1814(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-1817/0, 2-3=-3980/0, 3-4=-3980/0, 4-5=-6383/0, 5-6=-6383/0, 6-7=-7328/0, 7-9=-7328/0, 9-10=-6805/0, 10-11=-6805/0, 11-12=-4816/0, 12-13=-4816/0, 13-14=-1353/0, 14-15=-1353/0
BOT CHORD 24-26=0/2202, 22-24=0/5346, 21-22=0/7019, 20-21=0/7230, 18-20=0/5973, 17-18=0/3250
WEBS 2-26=-2769/0, 2-24=0/2258, 4-24=-1734/0, 4-22=0/1318, 6-22=-807/0, 6-21=0/393, 9-20=-540/0, 11-20=0/1055, 11-18=-1469/0, 13-18=0/1990, 13-17=-2408/0, 15-17=0/2227

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 19 = 11%, joint 23 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C6	FLOOR	6	1	I40654165
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:31 2020 Page 1
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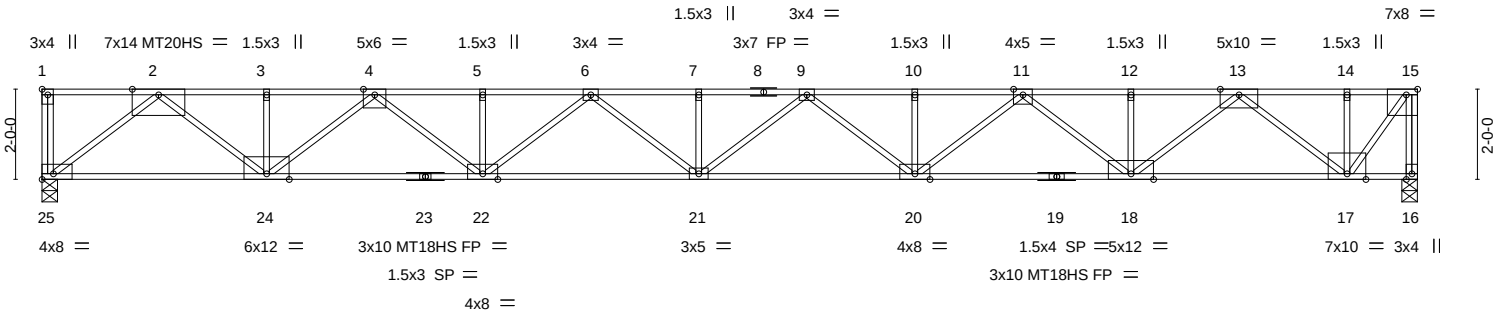
2-4-0 1-3-0

Scale = 1:51.1



30-6-0
30-6-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-3-0,Edge], [25:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.50	20-21	>730	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.94	20-21	>385	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.17	16	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 145 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 25=0-4-2, 16=0-4-2
Max Grav 25=1814(LC 1), 16=1814(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-1817/0, 2-3=-3980/0, 3-4=-3980/0, 4-5=-6386/0, 5-6=-6386/0, 6-7=-7331/0, 7-9=-7331/0, 9-10=-6808/0, 10-11=-6808/0, 11-12=-4820/0, 12-13=-4820/0, 13-14=-1357/0, 14-15=-1357/0
BOT CHORD 24-25=0/2201, 22-24=0/5345, 21-22=0/7019, 20-21=0/7230, 18-20=0/5974, 17-18=0/3251
WEBS 2-25=-2769/0, 2-24=0/2259, 4-24=-1733/0, 4-22=0/1322, 6-22=-804/0, 6-21=0/397, 9-20=-536/0, 11-20=0/1058, 11-18=-1466/0, 13-18=0/1992, 13-17=-2406/0, 15-17=0/2230

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 23 = 11%, joint 19 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	C7	Floor	7	1	I40654166
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:32 2020 Page 1
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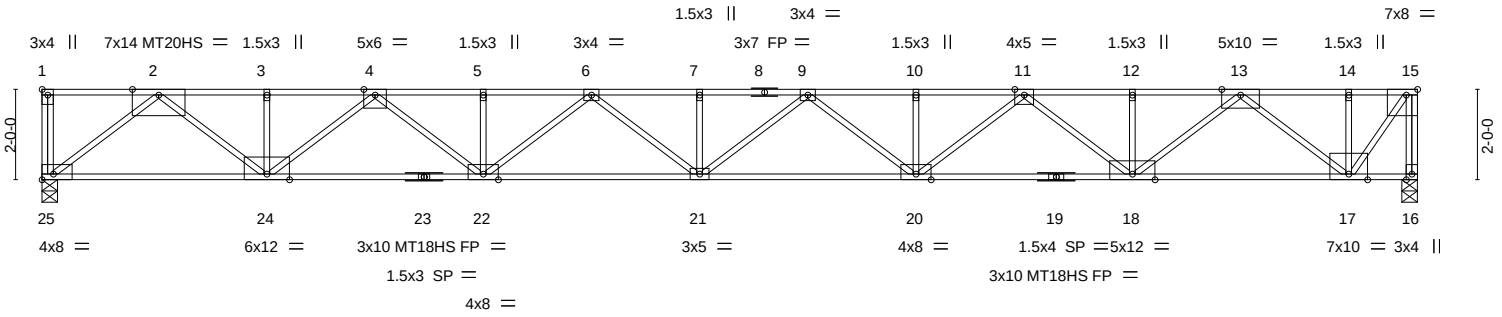
2-4-0 1-2-8

Scale = 1:51.0



30-5-8
30-5-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-3-0,Edge], [25:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.49	20-21	>733	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.94	20-21	>386	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.17	16	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 145 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 25=0-4-2, 16=0-4-2
Max Grav 25=1811(LC 1), 16=1811(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-1816/0, 2-3=-3974/0, 3-4=-3974/0, 4-5=-6374/0, 5-6=-6374/0, 6-7=-7313/0, 7-9=-7313/0, 9-10=-6784/0, 10-11=-6784/0, 11-12=-4789/0, 12-13=-4789/0, 13-14=-1320/0, 14-15=-1320/0
BOT CHORD 24-25=0/2198, 22-24=0/5336, 21-22=0/7004, 20-21=0/7209, 18-20=0/5947, 17-18=0/3218
WEBS 2-25=-2765/0, 2-24=0/2255, 4-24=-1729/0, 4-22=0/1318, 6-22=-800/0, 6-21=0/393, 9-20=-540/0, 11-20=0/1062, 11-18=-1470/0, 13-18=0/1995, 13-17=-2410/0, 15-17=0/2208

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 23 = 11%, joint 19 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	CGR1	FLOOR GIRDER	1	2	I40654167
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:33 2020 Page 1
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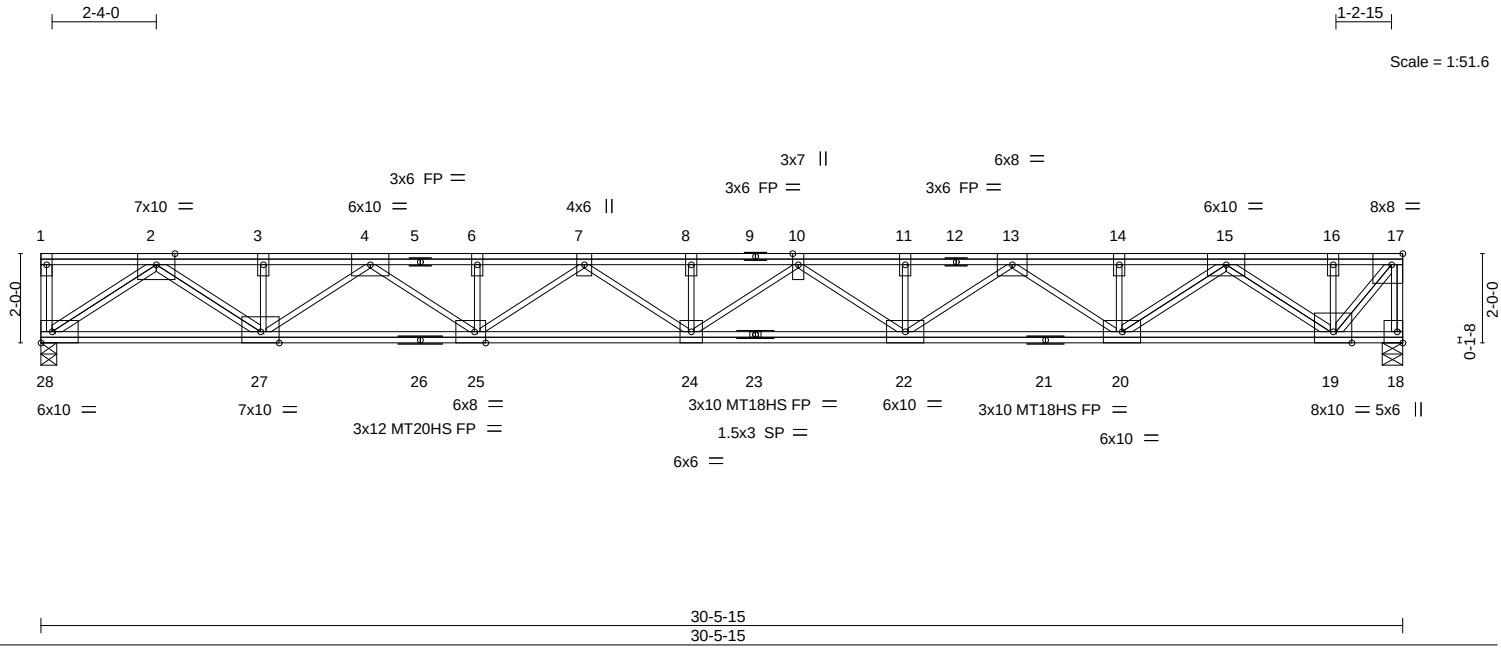

Plate Offsets (X,Y)-- [17:0-3-0,Edge], [25:0-3-0,Edge]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.42	22-24	>863	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.79	22-24	>460	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.13	18	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 423 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 18=0-5-8, 28=0-4-4
Max Grav 18=4619(LC 1), 28=4619(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-4654/0, 2-3=-10969/0, 3-4=-10974/0, 4-6=-17512/0, 6-7=-17512/0, 7-8=-20098/0, 8-10=-20098/0, 10-11=-18667/0, 11-13=-18667/0, 13-14=-13211/0, 14-15=-13206/0, 15-16=-3866/0, 16-17=-3869/0
BOT CHORD 27-28=0/5737, 25-27=0/14395, 24-25=0/18935, 22-24=0/19513, 20-22=0/16086, 19-20=0/8662
WEBS 2-28=-7043/0, 2-27=0/6535, 4-27=-4202/0, 4-25=0/3860, 7-25=-1762/0, 7-24=0/1440, 10-24=0/725, 10-22=-1048/0, 13-22=0/3196, 13-20=-3531/0, 15-20=0/5676, 15-19=-5969/0, 17-19=0/6023

NOTES- (7)
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 23 = 11%
5) 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.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
7) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-28=-240(F=-230), 1-17=-65

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	CGR2	FLOOR GIRDER	1	2	I40654168
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:35 2020 Page 1
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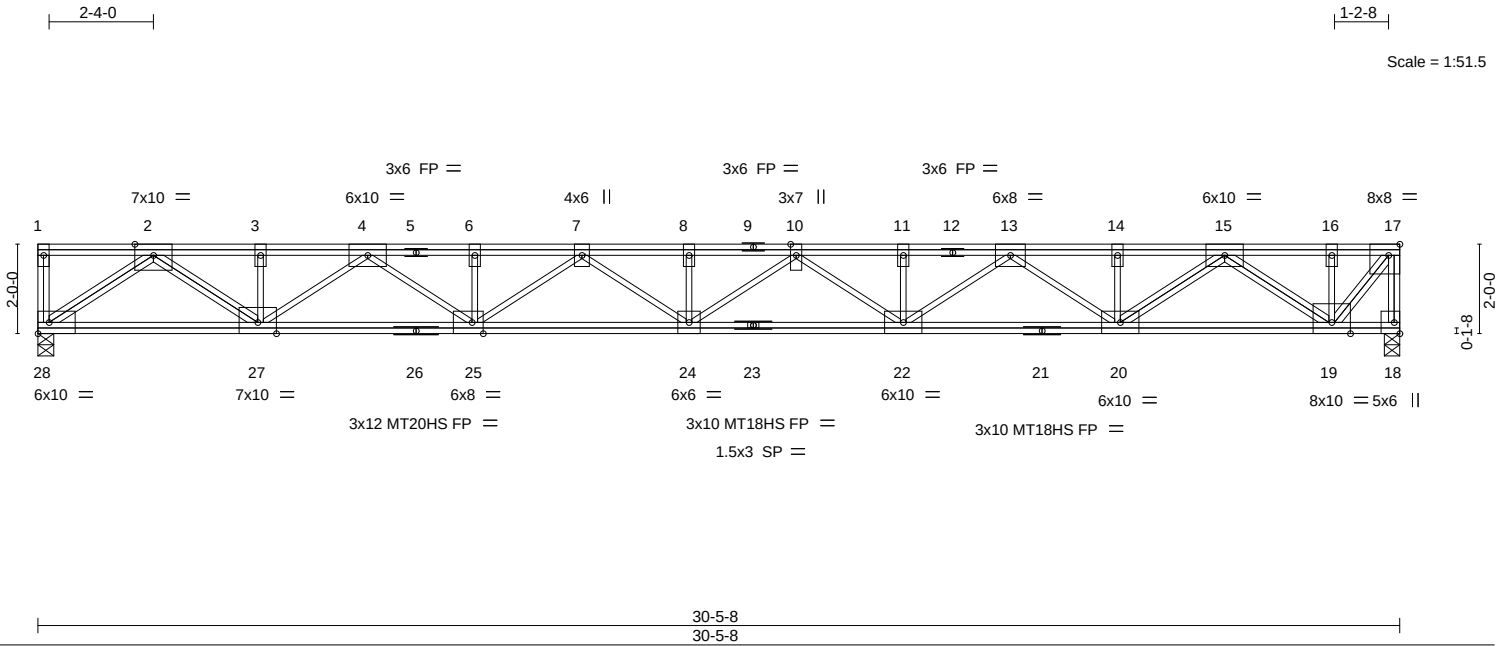


Plate Offsets (X,Y)-- [17:0-3-0,Edge], [25:0-3-0,Edge]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.42	22-24	>865	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.79	22-24	>461	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.13	18	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 422 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 28=0-4-4, 18=0-4-2
Max Grav 28=4620(LC 1), 18=4620(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-4665/0, 2-3=-10968/0, 3-4=-10973/0, 4-6=-17504/0, 6-7=-17504/0, 7-8=-20078/0, 8-10=-20078/0, 10-11=-18630/0, 11-13=-18630/0, 13-14=-13152/0, 14-15=-13147/0, 15-16=-3782/0, 16-17=-3785/0
BOT CHORD 27-28=0/5737, 25-27=0/14391, 24-25=0/18921, 22-24=0/19485, 20-22=0/16038, 19-20=0/8590
WEBS 2-28=-7042/0, 2-27=0/6534, 4-27=-4198/0, 4-25=0/3855, 7-25=-1755/0, 7-24=0/1433, 10-24=0/735, 10-22=-1058/0, 13-22=0/3210, 13-20=-3545/0, 15-20=0/5692, 15-19=-5984/0, 17-19=0/5979

NOTES- (7)
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 23 = 11%
5) 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.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
7) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-28=-241(F=-231), 1-17=-65

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	D1	Floor	14	1	I40654169
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:36 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-cg9hz7OXuotZYjCZi8jlZqJSk9EctH6dlZwmvGzZzqj

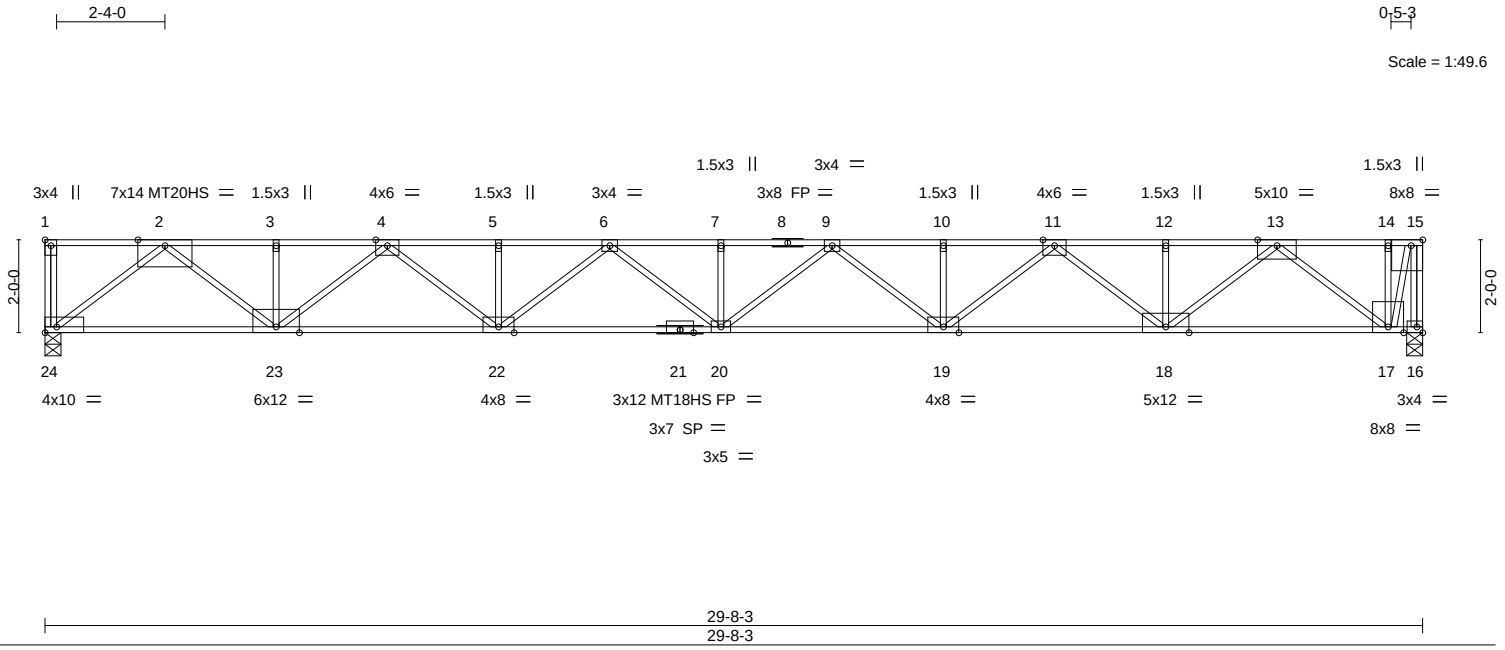


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-3-0,Edge], [24:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.49	20	>715	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.93	19-20	>378	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.18	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 130 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-0 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 24=0-4-2, 16=0-4-2
Max Grav 24=1765(LC 1), 16=1765(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-1796/0, 2-3=-3853/0, 3-4=-3853/0, 4-5=-6134/0, 5-6=-6134/0, 6-7=-6954/0, 7-9=-6954/0, 9-10=-6305/0, 10-11=-6305/0, 11-12=-4192/0, 12-13=-4192/0, 13-14=-601/0, 14-15=-601/0
BOT CHORD 23-24=0/2137, 22-23=0/5155, 20-22=0/6704, 19-20=0/6790, 18-19=0/5409, 17-18=0/2561
WEBS 2-24=-2688/0, 2-23=0/2179, 4-23=-1654/0, 4-22=0/1243, 6-22=-724/0, 6-20=0/317, 9-19=-615/0, 11-19=0/1138, 11-18=-1546/0, 13-18=0/2070, 13-17=-2489/0, 15-17=0/1918

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 21 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

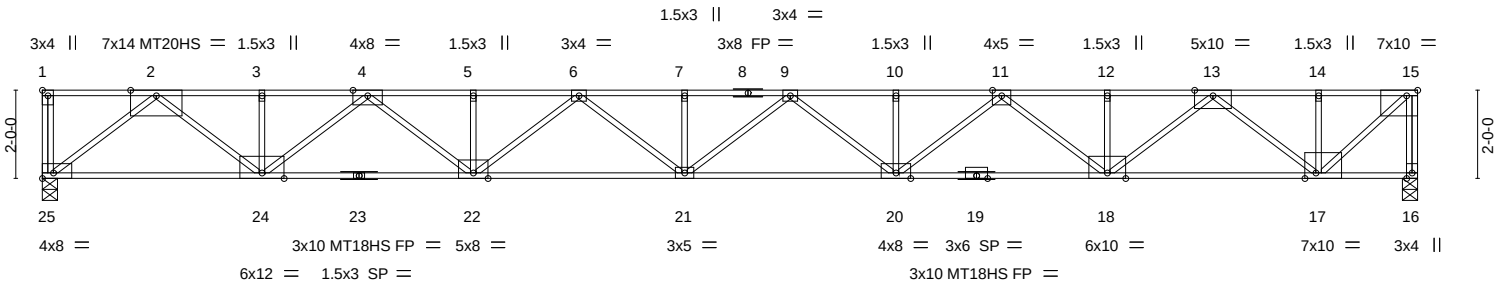
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	D2	Floor	49	1	I40654170
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:37 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-4tj3ATP9f5?QAtnlGsE_51sd1YbyciFn_DfJSizZzqi

2-4-0 1-11-3

Scale = 1:52.2



31-2-3
31-2-3

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-3-0,Edge], [17:0-3-0,Edge], [25:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.54	20-21	>685	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-1.03	20-21	>361	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.18	16	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code	WISC/IBC15/TPI2014	Matrix-SH							Weight: 147 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 25=0-4-2, 16=0-4-2
Max Grav 25=1855(LC 1), 16=1855(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-1847/0, 2-3=-4086/0, 3-4=-4086/0, 4-5=-6596/0, 5-6=-6596/0, 6-7=-7645/0, 7-9=-7645/0, 9-10=-7226/0, 10-11=-7226/0, 11-12=-5343/0, 12-13=-5343/0, 13-14=-1989/0, 14-15=-1989/0
BOT CHORD 24-25=0/2255, 22-24=0/5503, 21-22=0/7281, 20-21=0/7596, 18-20=0/6445, 17-18=0/3824
WEBS 2-25=-2836/0, 2-24=0/2325, 4-24=-1799/0, 4-22=0/1388, 6-22=-870/0, 6-21=0/463, 9-20=-470/0, 11-20=0/992, 11-18=-1399/0, 13-18=0/1929, 13-17=-2330/0, 14-17=-261/0, 15-17=0/2656

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 23 = 11%, joint 19 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	D2A	FLOOR	1	1	I40654171
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:38 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-Y3HROpPnQP7Ho1MyqZlDeFOr4y_JLBXwDtPt_9zZzqh

2-1-8 2-4-0 1-11-2

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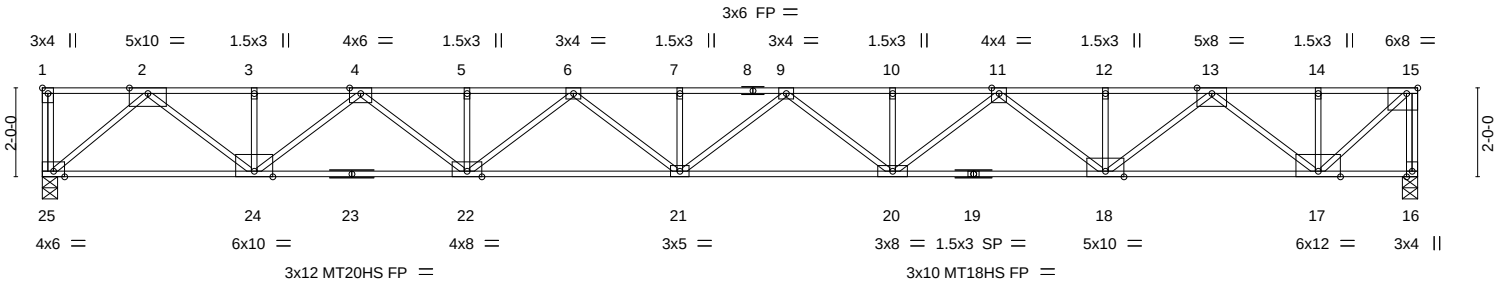


30-11-10
30-11-10

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

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.48	Vert(LL)	-0.44	20-21	>839	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.84	20-21	>441	240	MT20HS	165/146
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.15	16	n/a	n/a	MT18HS	220/195
BCDL	10.0	Code	WISC/IBC15/TPI2014	Matrix-SH							Weight: 147 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E(flat)
BOT CHORD 2x4 DF 2400F 2.0E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 16=0-4-2, 25=0-4-2
Max Grav 16=1536(LC 1), 25=1536(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-1529/0, 2-3=-3262/0, 3-4=-3262/0, 4-5=-5381/0, 5-6=-5381/0, 6-7=-6282/0, 7-9=-6282/0, 9-10=-5959/0, 10-11=-5959/0, 11-12=-4414/0, 12-13=-4414/0, 13-14=-1644/0, 14-15=-1644/0
BOT CHORD 24-25=0/1720, 22-24=0/4456, 21-22=0/5965, 20-21=0/6254, 18-20=0/5320, 17-18=0/3161
WEBS 2-25=-2239/0, 2-24=0/1957, 4-24=-1517/0, 4-22=0/1175, 6-22=-742/0, 6-21=0/402, 9-20=-375/0, 11-20=0/811, 11-18=-1150/0, 13-18=0/1592, 13-17=-1927/0, 15-17=0/2197

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 19 = 11%
3) 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.
4) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

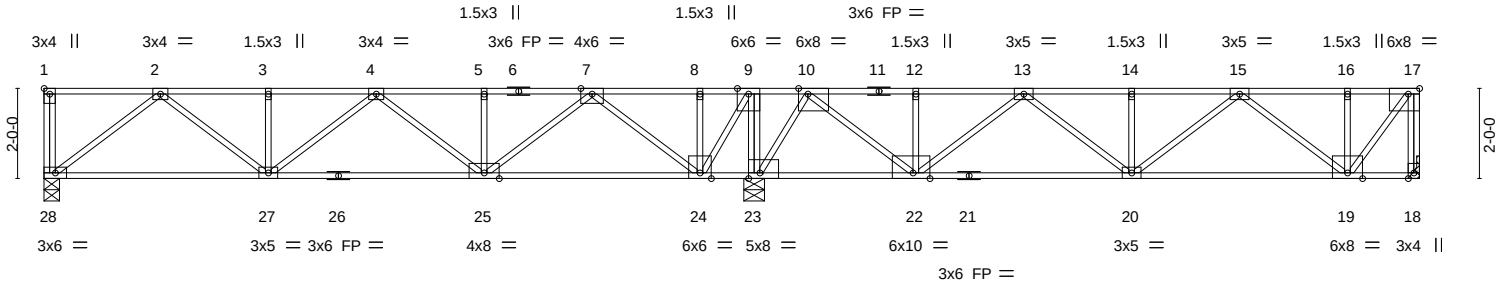
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	D3	Floor	3	1	I40654172
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:40 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-USPCpVR1y0N?1LVKx_ohjgU6mmhIp4rDgBuz21zZzqf

2-4-0 1-0-3 1-0-13 1-3-7

Scale = 1:51.1



15-9-3 30-6-7
15-9-3 14-9-4

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-2-8,Edge], [17:0-3-0,Edge], [22:0-4-8,Edge], [23:0-3-0,Edge]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	-0.07	20-22	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.15	20-22	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.03	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 137 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 1650F 1.4E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 28=0-4-2, 18=Mechanical, 23=0-5-8
Max Grav 28=740(LC 3), 18=1505(LC 4), 23=3306(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1507/0, 2-3=-1205/0, 3-4=-1205/0, 4-5=-873/325, 5-7=-873/325, 7-8=0/1686, 8-9=0/1686, 9-10=0/2446, 10-12=-1122/21, 12-13=-1122/21, 13-14=-2586/0, 14-15=-2586/0, 15-16=-1099/0, 16-17=-1099/0
BOT CHORD 27-28=0/796, 25-27=-0/1201, 24-25=-866/135, 23-24=-2446/0, 22-23=-1194/0, 20-22=0/2196, 19-20=0/2194
WEBS 9-23=-1303/0, 2-28=-1001/0, 2-27=0/519, 4-27=0/254, 4-25=-576/0, 7-25=0/1095, 7-24=-1515/0, 10-23=-2333/0, 10-22=0/2465, 12-22=-549/0, 13-22=-1467/0, 13-20=0/598, 14-20=-531/0, 15-20=0/497, 15-19=-1390/0, 16-19=-481/0, 17-19=0/1780, 9-24=0/1407

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) 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.
4) CAUTION, Do not erect truss backwards.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-28=-16, 1-9=-104, 9-17=-224(F=-120)

March 18,2020

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 3rd Floor
63378	D3A	FLOOR	1	1	I40654173
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 17 16:25:41 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-yeza0rSgjKVsfV4XViJwGt0OOA5QYd2MvrdXbUzZzqe

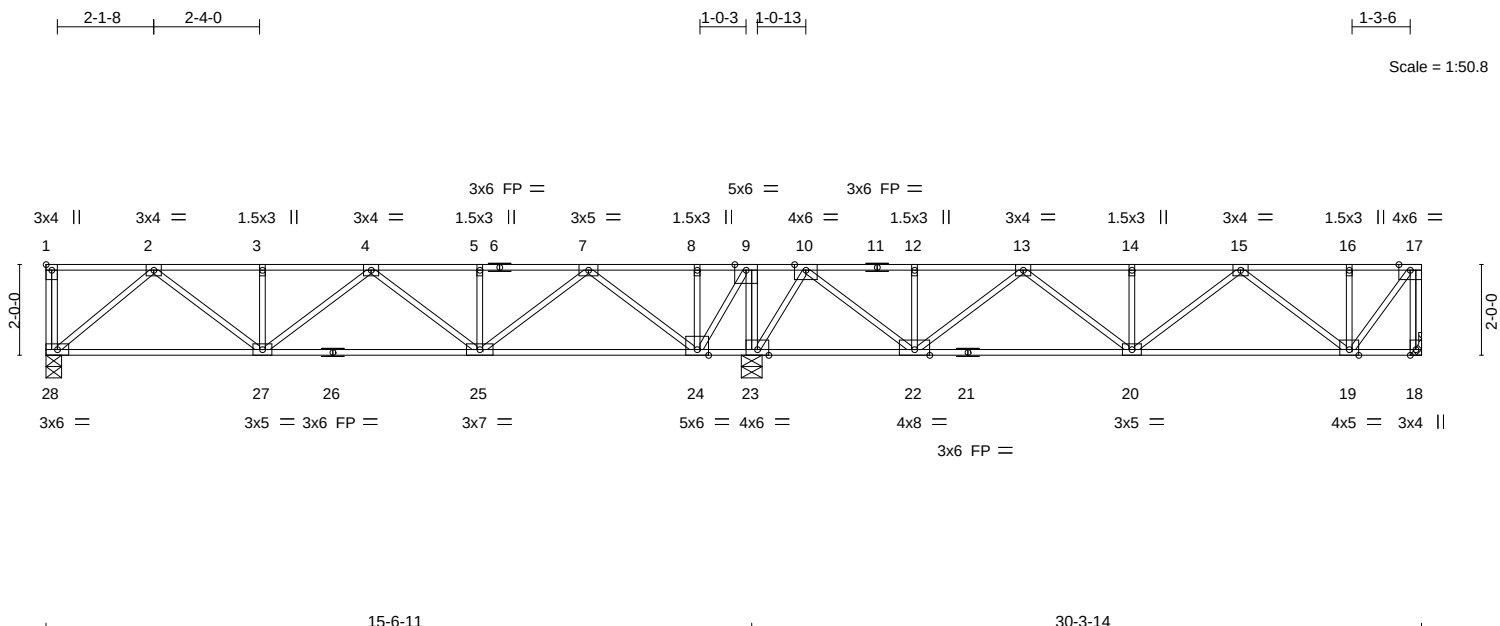


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.04	25-27	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.08	27-28	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 137 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 1650F 1.4E(flat)
WEBS 2x4 SPF No.2(flat)

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

REACTIONS. (size) 18=Mechanical, 28=0-4-2, 23=0-5-8
Max Grav 18=605(LC 4), 28=644(LC 3), 23=1851(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-608/0, 2-3=-1056/0, 3-4=-1056/0, 4-5=-901/0, 5-7=-901/0, 7-8=0/799, 8-9=0/799, 9-10=0/1379, 10-12=-342/278, 12-13=-342/278, 13-14=-1009/0, 14-15=-1009/0, 15-16=-443/0, 16-17=-443/0
BOT CHORD 27-28=0/651, 25-27=0/1112, 24-25=-230/346, 23-24=-1379/0, 22-23=-834/0, 20-22=0/808, 19-20=0/863
WEBS 2-28=-848/0, 2-27=0/513, 4-25=-336/0, 7-25=0/771, 7-24=-1121/0, 10-23=-1016/0, 10-22=0/1111, 13-22=-675/0, 13-20=0/339, 15-19=-532/0, 17-19=0/719, 9-24=0/1076, 9-23=-969/0

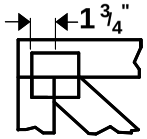
NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 18,2020

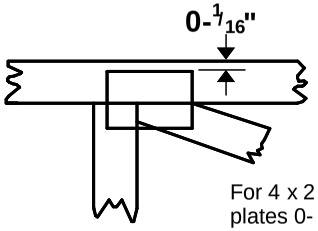
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

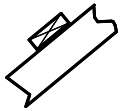
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

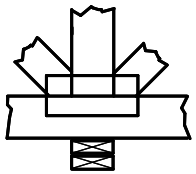
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

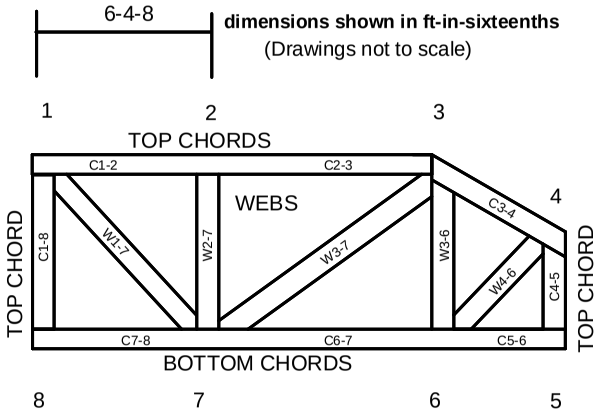


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.