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

Re: 63377
Cannery Trails - 2nd 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: I40223219 thru I40223254

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: 02.28.2019

February 11,2020

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 - 2nd Floor
63377	A1	FLOOR	40	1	I40223219
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:19 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-iYOtDz9ODs?NCgl4dfogHyXCzcOrUwbKfgM7quzmEPU

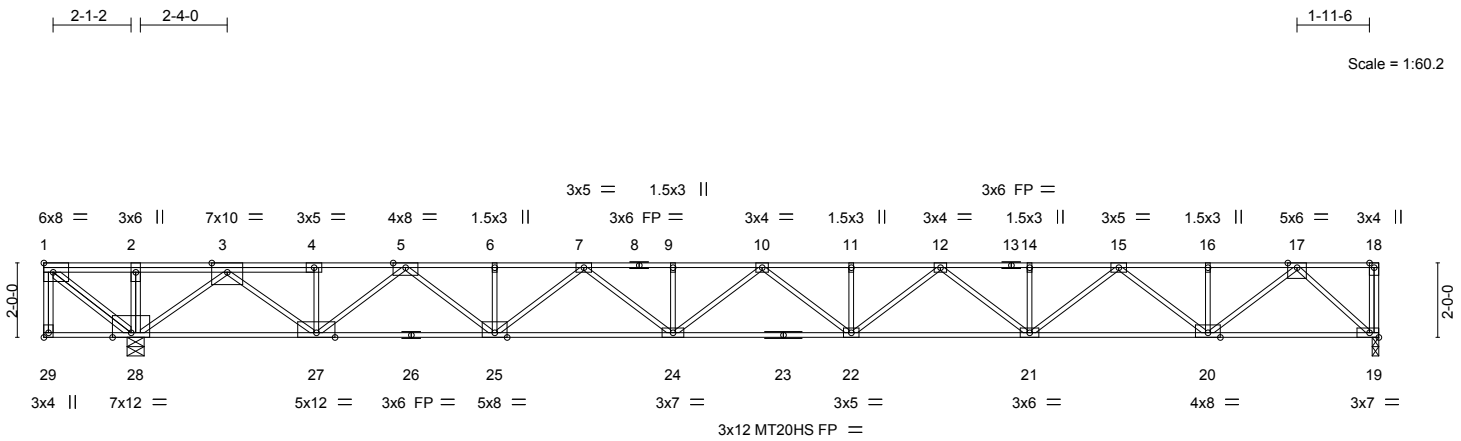


Plate Offsets (X,Y)-- [29:Edge,0-1-8]

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	0.49	Vert(LL)	-0.35	22-24	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.75	22-24	>533	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.10	19	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 166 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. (lb/size) 28=4562/0-5-8, 19=1036/0-2-2
Max Grav 28=4562(LC 1), 19=1039(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/3847, 2-3=0/3847, 3-4=0/1915, 4-5=0/1914, 5-6=-1946/533, 6-7=-1946/533, 7-9=-3360/0, 9-10=-3360/0, 10-11=-3857/0, 11-12=-3857/0, 12-14=-3436/0, 14-15=-3436/0, 15-16=-2100/0, 16-17=-2100/0
BOT CHORD 27-28=-2870/0, 25-27=-1185/881, 24-25=-18/2753, 22-24=0/3708, 21-22=0/3746, 20-21=0/2868, 19-20=0/1070
WEBS 1-28=-4862/0, 3-28=-2250/0, 3-27=0/2000, 5-27=-1612/0, 5-25=0/1358, 7-25=-1030/0, 7-24=0/776, 10-24=-448/0, 10-22=0/284, 12-21=-394/12, 15-21=0/721, 15-20=-975/0, 17-20=0/1308, 17-19=-1443/0

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
4) 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.
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) 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: 19-29=-10, 1-18=-65
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

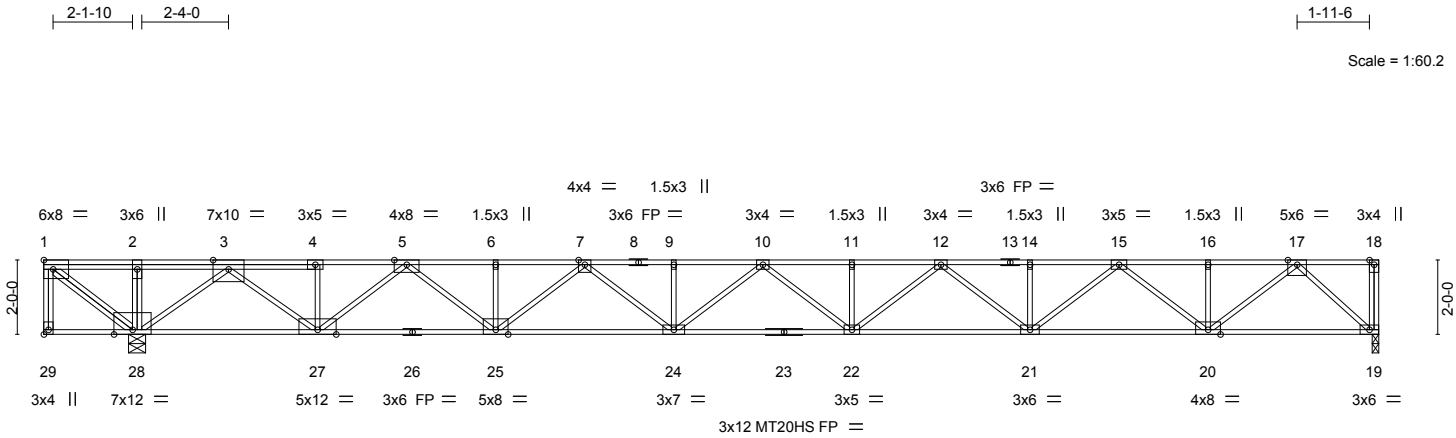
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-18=-65
   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: 19-29=-10, 1-2=-65, 2-18=-25
   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: 19-29=-10, 1-2=-25, 2-18=-65
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-2=-65, 2-18=-25
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-2=-25, 2-18=-65
   Concentrated Loads (lb)
      Vert: 1=-2926(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A2	FLOOR	52	1	I40223220
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:22 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-6740r?CHVnNy38TflnMNvb9j4qPchHlmMebnRCzmEPR



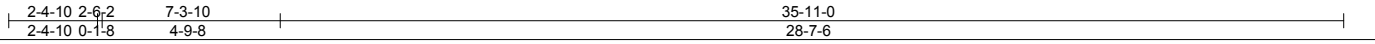


Plate Offsets (X,Y)-- [29:Edge,0-1-8]

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	0.50	Vert(LL)	-0.34	22-24	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.74	22-24	>538	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.10	19	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 166 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. (lb/size) 28=4569/0-5-8, 19=1032/0-2-2
Max Grav 28=4569(LC 1), 19=1035(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/3918, 2-3=0/3918, 3-4=0/1974, 4-5=0/1973, 5-6=-1899/582, 6-7=-1899/582, 7-9=-3322/0, 9-10=-3322/0, 10-11=-3828/0, 11-12=-3828/0, 12-14=-3417/0, 14-15=-3417/0, 15-16=-2091/0, 16-17=-2091/0
BOT CHORD 27-28=-2936/0, 25-27=-1239/829, 24-25=-62/2711, 22-24=0/3675, 21-22=0/3723, 20-21=0/2854, 19-20=0/1066
WEBS 1-28=-4919/0, 3-28=-2256/0, 3-27=0/2009, 5-27=-1618/0, 5-25=0/1364, 7-25=-1036/0, 7-24=0/782, 10-24=-454/0, 10-22=0/291, 12-21=-388/18, 15-21=0/715, 15-20=-969/0, 17-20=0/1302, 17-19=-1438/0

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
4) 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.
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) 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: 19-29=-10, 1-18=-65
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

16023 Swingley Ridge Rd
Chesterfield, MO 63017

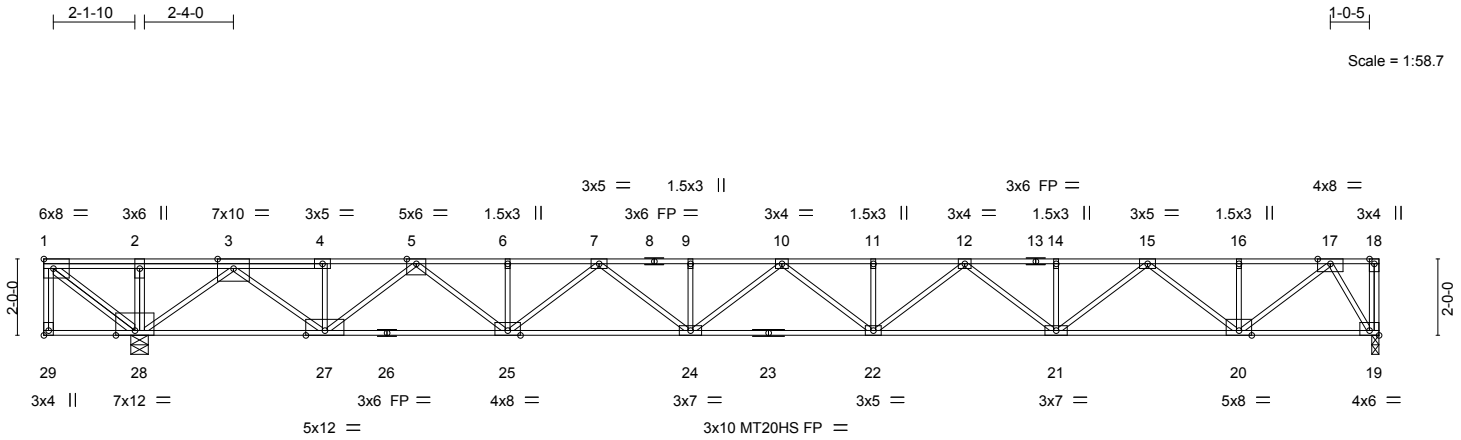
LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-18=-65
   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: 19-29=-10, 1-2=-65, 2-18=-25
   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: 19-29=-10, 1-2=-25, 2-18=-65
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-2=-65, 2-18=-25
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-2=-25, 2-18=-65
   Concentrated Loads (lb)
      Vert: 1=-2926(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A3	Floor	4	1	I40223221
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:24 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-2VCmGhDX1OdgJRd2QCOr_0E3bd619B_3py4uW5zmEPP



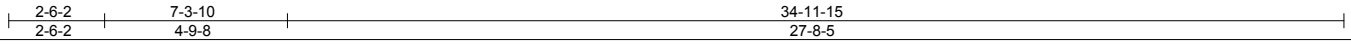


Plate Offsets (X,Y)-- [19:Edge,0-1-8], [29:Edge,0-1-8]

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	0.50	Vert(LL)	-0.30	22-24	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.65	22-24	>600	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.08	19	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 163 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. (lb/size) 28=4541/0-5-8, 19=991/0-2-4
Max Grav 28=4541(LC 1), 19=994(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/3918, 2-3=0/3918, 3-4=0/2000, 4-5=0/1999, 5-6=-1752/633, 6-7=-1752/633, 7-9=-3103/0, 9-10=-3103/0, 10-11=-3537/0, 11-12=-3537/0, 12-14=-3053/0, 14-15=-3053/0, 15-16=-1653/0, 16-17=-1653/0
BOT CHORD 27-28=-2950/0, 25-27=-1277/719, 24-25=-126/2528, 22-24=0/3420, 21-22=0/3395, 20-21=0/2452, 19-20=0/591
WEBS 1-28=-4919/0, 3-28=-2209/0, 3-27=0/1964, 5-27=-1572/0, 5-25=0/1318, 7-25=-990/0, 7-24=0/736, 10-24=-408/0, 10-22=0/274, 12-21=-434/3, 15-21=0/763, 15-20=-1015/0, 17-20=0/1348, 17-19=-1131/0

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
4) 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.
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) 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: 19-29=-10, 1-18=-65
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

16023 Swingley Ridge Rd
Chesterfield, MO 63017

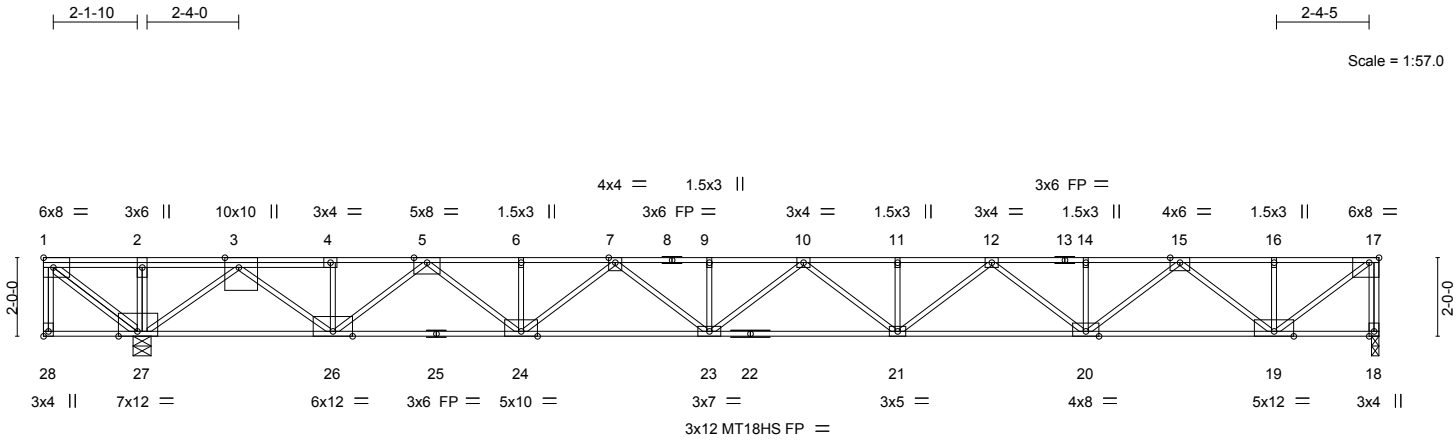
LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-18=-65
   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: 19-29=-10, 1-2=-65, 2-18=-25
   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: 19-29=-10, 1-2=-25, 2-18=-65
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-2=-65, 2-18=-25
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 19-29=-10, 1-2=-25, 2-18=-65
   Concentrated Loads (lb)
      Vert: 1=-2926(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A4	FLOOR	4	1	I40223222
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:25 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-Wim8T1E9oilXwbCEzwv4XDmEk1PMucLC2cpR2XzmEPO



2-6-2 | 7-3-10 | 33-11-15
2-6-2 | 4-9-8 | 26-8-5

Plate Offsets (X,Y)-- [3:0-3-0,Edge], [17:0-3-0,Edge], [27:0-5-12,Edge], [28: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	0.47	Vert(LL)	-0.41	21-23	>912	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.87	21-23	>433	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.13	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 158 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, Except:
6-0-0 oc bracing: 26-27,24-26.

REACTIONS. (lb/size) 18=1336/0-2-4, 27=4964/0-5-8
Max Grav 18=1341(LC 4), 27=4964(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1330/0, 1-2=0/3947, 2-3=0/3947, 3-4=-259/1654, 4-5=-256/1652, 5-6=-2986/57, 6-7=-2986/57, 7-9=-4494/0, 9-10=-4494/0, 10-11=-4778/0, 11-12=-4778/0, 12-14=-3842/0, 14-15=-3842/0, 15-16=-1684/0, 16-17=-1684/0
BOT CHORD 26-27=-2773/0, 24-26=-803/1755, 23-24=0/3873, 21-23=0/4769, 20-21=0/4443, 19-20=0/2890
WEBS 2-27=-288/0, 1-27=-4955/0, 3-27=-2754/0, 3-26=0/2394, 5-26=-1910/0, 5-24=0/1572, 7-24=-1134/0, 7-23=0/796, 10-23=-358/0, 12-21=0/426, 12-20=-763/0, 15-20=0/1209, 15-19=-1531/0, 17-19=0/2092

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
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) 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: 18-28=-13, 1-17=-87
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

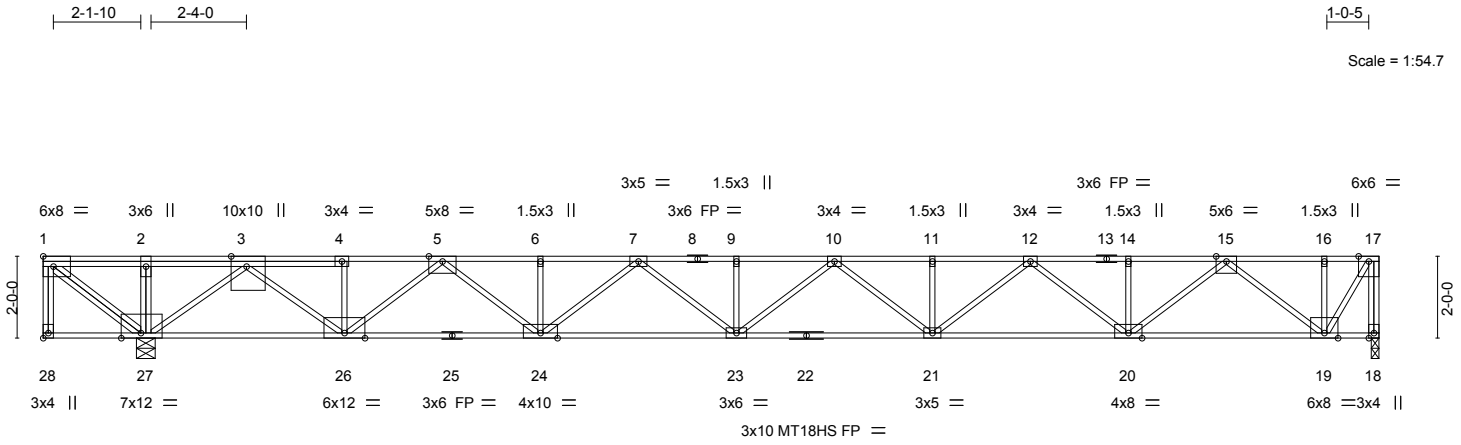
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A5	FLOOR	2	1	I40223223
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:27 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-T4tvujGQKJ?FAvMd5LxYcesaEr6EMWEVVwIY7QzmEPM



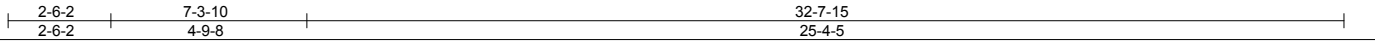


Plate Offsets (X,Y)-- [3:0-3-0,Edge], [27:0-5-12,Edge], [28:Edge,0-1-8]

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	0.47	Vert(LL)	-0.33	21-23	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.71	21-23	>511	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.11	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 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, Except:
6-0-0 oc bracing: 26-27,24-26.

REACTIONS. (lb/size) 18=1259/0-2-4, 27=4908/0-5-8
Max Grav 18=1264(LC 4), 27=4908(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1271/0, 1-2=0/3947, 2-3=0/3947, 3-4=-113/1708, 4-5=-110/1706, 5-6=-2695/164, 6-7=-2695/164, 7-9=-4059/0, 9-10=-4059/0, 10-11=-4199/0, 11-12=-4199/0, 12-14=-3117/0, 14-15=-3117/0, 15-16=-804/0, 16-17=-804/0
BOT CHORD 26-27=-2801/0, 24-26=-884/1536, 23-24=0/3510, 21-23=0/4262, 20-21=0/3791, 19-20=0/2097
WEBS 2-27=-287/0, 1-27=-4956/0, 3-27=-2661/0, 3-26=0/2306, 5-26=-1819/0, 5-24=0/1480, 7-24=-1043/0, 7-23=0/704, 10-23=-320/0, 12-21=0/517, 12-20=-856/0, 15-20=0/1295, 15-19=-1642/0, 17-19=0/1482

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
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) 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: 18-28=-13, 1-17=-87
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

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

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A6	FLOOR	2	1	I40223224
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:28 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-xHRH52G25d76n3xpf2Tn9sOk8ERp5_eeka25fszmEPL

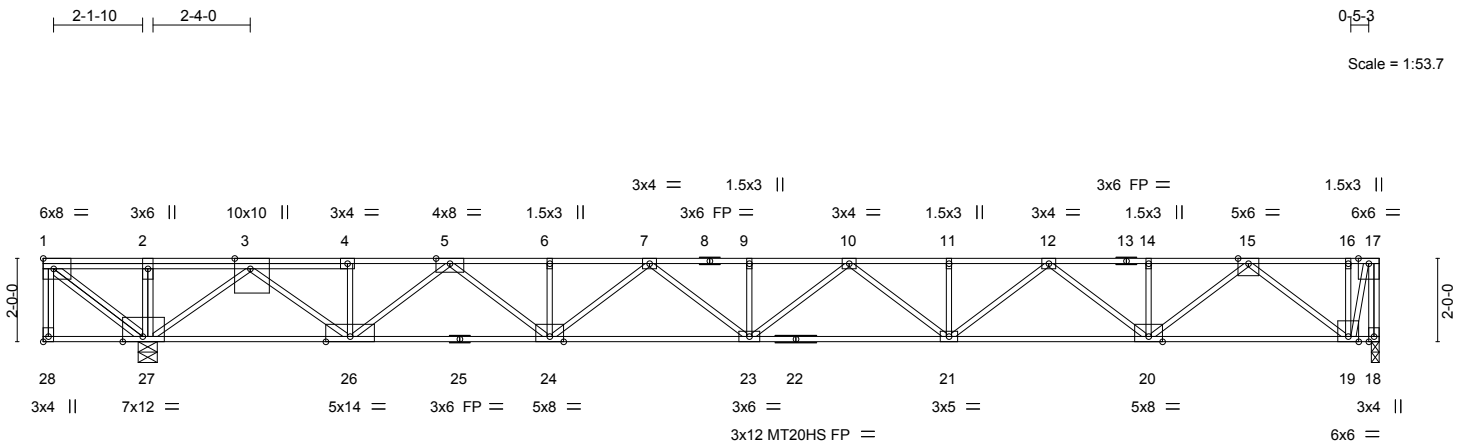


Plate Offsets (X,Y)-- [3:0-3-0,Edge], [27:0-5-12,Edge], [28:Edge,0-1-8]

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	0.52	Vert(LL)	-0.30	21-23	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.64	21-23	>550	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.10	18	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 153 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, Except:
6-0-0 oc bracing: 26-27,24-26.

REACTIONS. (lb/size) 18=1224/0-2-4, 27=4883/0-5-8
Max Grav 18=1230(LC 4), 27=4883(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1257/0, 1-2=0/3947, 2-3=0/3947, 3-4=-48/1731, 4-5=-46/1729, 5-6=-2567/210, 6-7=-2567/210, 7-9=-3867/0, 9-10=-3867/0, 10-11=-3943/0, 11-12=-3943/0, 12-14=-2798/0, 14-15=-2798/0, 15-16=-422/0, 16-17=-422/0
BOT CHORD 26-27=-2814/0, 24-26=-918/1440, 23-24=0/3351, 21-23=0/4039, 20-21=0/3504, 19-20=0/1747
WEBS 2-27=-286/0, 1-27=-4956/0, 3-27=-2619/0, 3-26=0/2268, 5-26=-1779/0, 5-24=0/1440, 7-24=-1003/0, 7-23=0/664, 10-23=-305/0, 12-21=0/558, 12-20=-897/0, 15-20=0/1335, 15-19=-1683/0, 17-19=0/1348

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
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) 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: 18-28=-13, 1-17=-87
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

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

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A7	FLOOR	4	1	I40223225
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:30 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-tfZ1WkIIdENp1M4CmTVFEHU5U28mZtwxBuXCjlzmEPJ

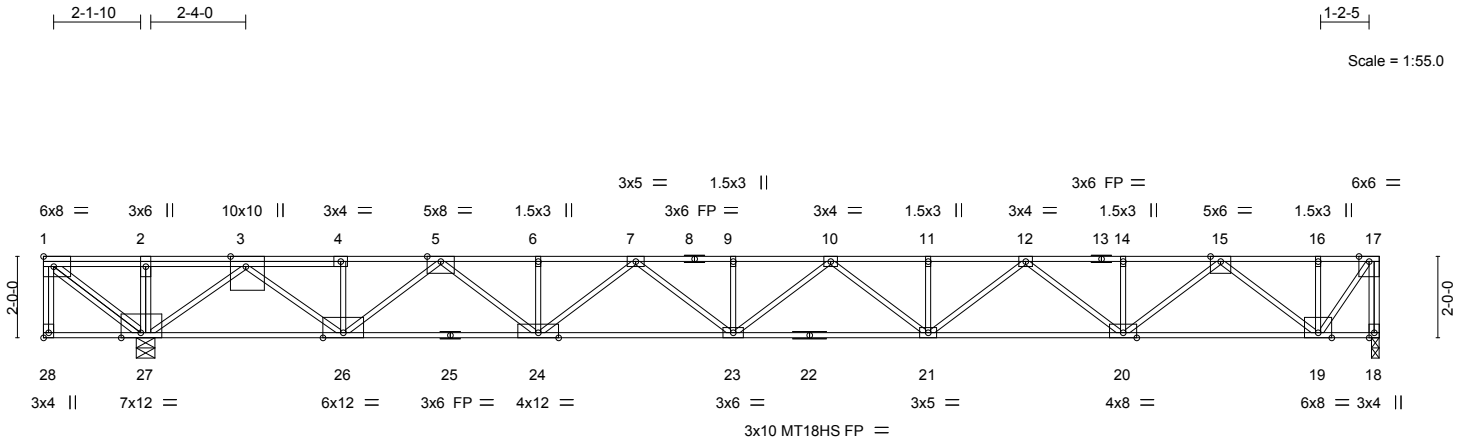


Plate Offsets (X,Y)-- [3:0-3-0,Edge], [27:0-5-12,Edge], [28:Edge,0-1-8]

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	0.47	Vert(LL)	-0.34	21-23	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.72	21-23	>500	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.11	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 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, Except:
6-0-0 oc bracing: 26-27,24-26.

REACTIONS. (lb/size) 18=1269/0-2-4, 27=4915/0-5-8
Max Grav 18=1274(LC 4), 27=4915(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1278/0, 1-2=0/3947, 2-3=0/3947, 3-4=-131/1701, 4-5=-128/1699, 5-6=-2731/151, 6-7=-2731/151, 7-9=-4112/0, 9-10=-4112/0, 10-11=-4270/0, 11-12=-4270/0, 12-14=-3207/0, 14-15=-3207/0, 15-16=-912/0, 16-17=-912/0
BOT CHORD 26-27=-2798/0, 24-26=-874/1563, 23-24=0/3555, 21-23=0/4325, 20-21=0/3872, 19-20=0/2196
WEBS 2-27=-287/0, 1-27=-4956/0, 3-27=-2672/0, 3-26=0/2317, 5-26=-1830/0, 5-24=0/1492, 7-24=-1054/0, 7-23=0/716, 10-23=-324/0, 12-21=0/506, 12-20=-845/0, 15-20=0/1284, 15-19=-1630/0, 17-19=0/1540

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
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) 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: 18-28=-13, 1-17=-87
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

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

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A8	FLOOR	2	1	I40223226
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:32 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-p2hoxQKY9reXGgEauuXjJiZSNsuT1pOEfC0JodzmEPH

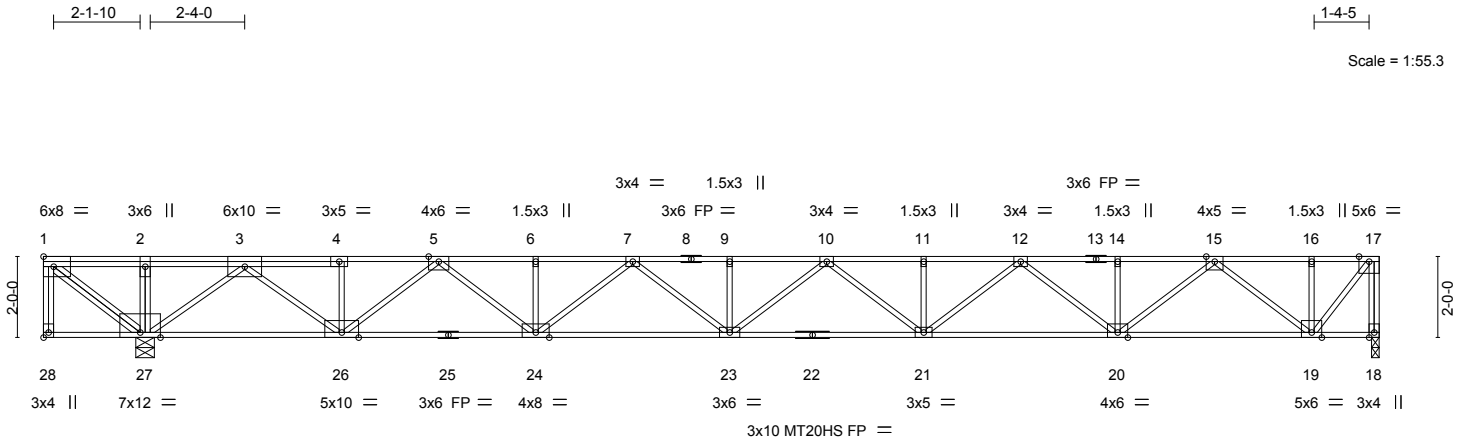


Plate Offsets (X,Y)-- [28:Edge,0-1-8]

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	0.45	Vert(LL)	0.25	23-24	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.47	21-23	>775	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	-0.06	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 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. (lb/size) 18=901/0-2-4, 27=4481/0-5-8
Max Grav 18=905(LC 4), 27=4481(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-906/0, 1-2=0/3918, 2-3=0/3918, 3-4=0/2053, 4-5=0/2051, 5-6=-1441/738, 6-7=-1441/738, 7-9=-2637/0, 9-10=-2637/0, 10-11=-2916/0, 11-12=-2916/0, 12-14=-2278/0, 14-15=-2278/0, 15-16=-718/0, 16-17=-718/0
BOT CHORD 26-27=-2977/0, 24-26=-1356/485, 23-24=-257/2139, 21-23=0/2877, 20-21=0/2697, 19-20=0/1600
WEBS 1-27=-4919/0, 3-27=-2108/0, 3-26=0/1871, 5-26=-1475/0, 5-24=0/1221, 7-24=-892/0, 7-23=0/638, 10-23=-339/0, 12-21=-68/278, 12-20=-532/0, 15-20=0/861, 15-19=-1120/0, 17-19=0/1130

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
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) 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: 18-28=-10, 1-17=-65
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

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: 18-28=-10, 1-17=-65
   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: 18-28=-10, 1-2=-65, 2-17=-25
   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: 18-28=-10, 1-2=-25, 2-17=-65
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-28=-10, 1-2=-65, 2-17=-25
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-28=-10, 1-2=-25, 2-17=-65
   Concentrated Loads (lb)
      Vert: 1=-2926(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A9	FLOOR	2	1	I40223227
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:33 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-HEFA9mKAw9mOuqpnRb2ysv6buF83mFvOtsIsK4zmEPG

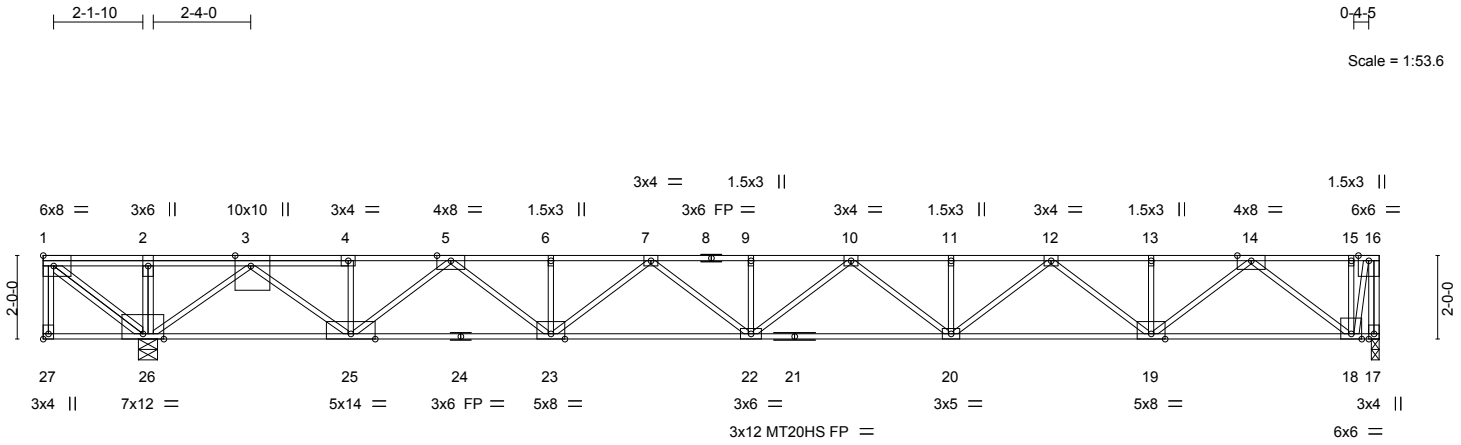


Plate Offsets (X,Y)-- [3:0-3-0,Edge], [27:Edge,0-1-8]

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	0.52	Vert(LL)	-0.30	20-22	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.64	20-22	>555	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.10	17	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 153 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, Except:
6-0-0 oc bracing: 25-26,23-25.

REACTIONS. (lb/size) 17=1220/0-2-4, 26=4880/0-5-8
Max Grav 17=1225(LC 4), 26=4880(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-1257/0, 1-2=0/3947, 2-3=0/3947, 3-4=-40/1734, 4-5=-38/1732, 5-6=-2552/216, 6-7=-2552/216, 7-9=-3844/0, 9-10=-3844/0, 10-11=-3912/0, 11-12=-3912/0, 12-13=-2759/0, 13-14=-2759/0, 14-15=-375/0, 15-16=-375/0
BOT CHORD 25-26=-2815/0, 23-25=-923/1428, 22-23=0/3331, 20-22=0/4011, 19-20=0/3469, 18-19=0/1704
WEBS 2-26=-286/0, 1-26=-4956/0, 3-26=-2614/0, 3-25=0/2263, 5-25=-1774/0, 5-23=0/1435, 7-23=-998/0, 7-22=0/659, 10-22=-304/0, 12-20=0/563, 12-19=-902/0, 14-19=0/1340, 14-18=-1688/0, 16-18=0/1343

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 17.
4) 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.
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) 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: 17-27=-13, 1-16=-87
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

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: 17-27=-13, 1-16=-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: 17-27=-13, 1-2=-87, 2-16=-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: 17-27=-13, 1-2=-33, 2-16=-87
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 17-27=-13, 1-2=-87, 2-16=-33
   Concentrated Loads (lb)
      Vert: 1=-2926(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 17-27=-13, 1-2=-33, 2-16=-87
   Concentrated Loads (lb)
      Vert: 1=-2926(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	A10	Floor	2	1	I40223228
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:21 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-exWedfBflTF5S_uTk4r8NNcXvQ1Pyojc7_rEvmzmEPS

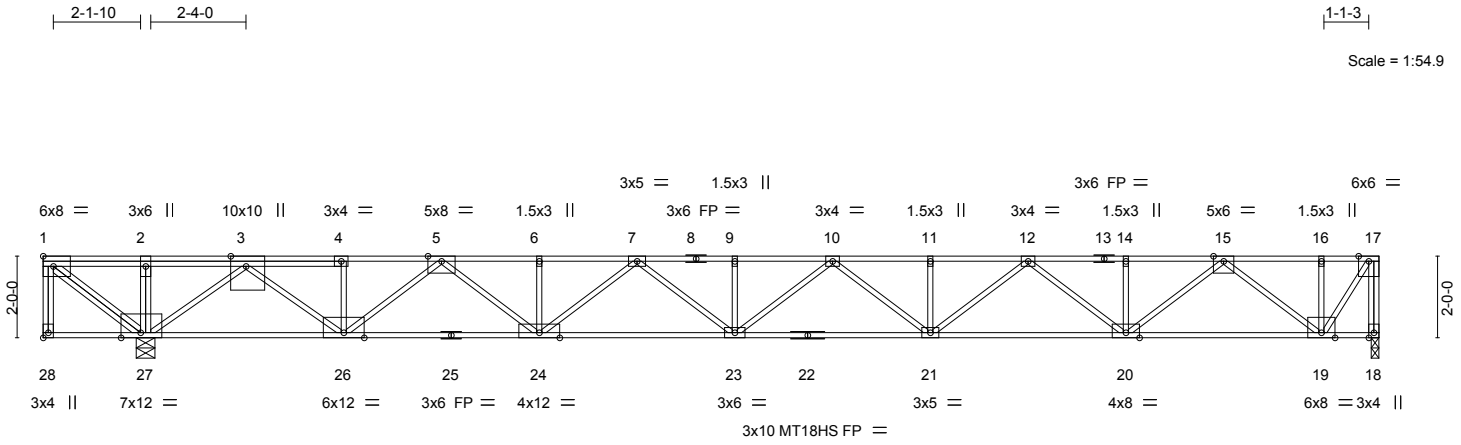


Plate Offsets (X,Y)-- [3:0-3-0,Edge], [27:0-5-12,Edge], [28:Edge,0-1-8]

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	0.52	Vert(LL)	-0.33	21-23	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.71	21-23	>506	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.11	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 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, Except:
6-0-0 oc bracing: 26-27,24-26.

REACTIONS. (lb/size) 18=1263/0-2-4, 27=4911/0-5-8
Max Grav 18=1268(LC 4), 27=4911(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1274/0, 1-2=0/3947, 2-3=0/3947, 3-4=-121/1704, 4-5=-118/1703, 5-6=-2712/158, 6-7=-2712/158, 7-9=-4083/0, 9-10=-4083/0, 10-11=-4231/0, 11-12=-4231/0, 12-14=-3157/0, 14-15=-3157/0, 15-16=-852/0, 16-17=-852/0
BOT CHORD 26-27=-2800/0, 24-26=-879/1548, 23-24=0/3530, 21-23=0/4290, 20-21=0/3827, 19-20=0/2141
WEBS 2-27=-287/0, 1-27=-4956/0, 3-27=-2666/0, 3-26=0/2311, 5-26=-1824/0, 5-24=0/1486, 7-24=-1048/0, 7-23=0/709, 10-23=-322/0, 12-21=0/512, 12-20=-851/0, 15-20=0/1290, 15-19=-1637/0, 17-19=0/1507

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
4) 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.
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) 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: 18-28=-13, 1-17=-87
Concentrated Loads (lb)
Vert: 1=-2926(F)

February 11,2020

Continued on page 2

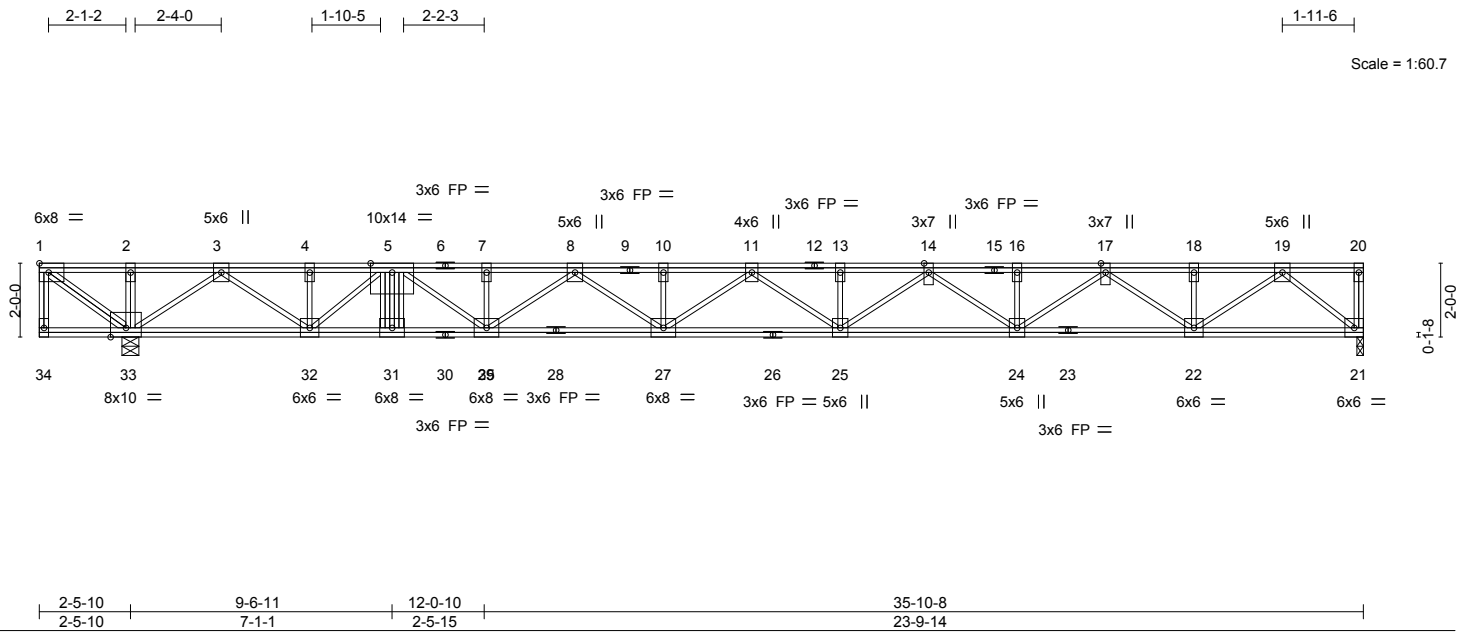
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	AGR	FLOOR	4	2	I40223229
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:36 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-ipwInoN3C48zlHYL7kcfUYk6lTKHzeRqap_XxPzmEPD



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	0.45	Vert(LL)	-0.35	25-27	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.24	Vert(CT)	-0.16	24-25	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.04	21	n/a	n/a		
BCDL	10.0	Code	WISC/IBC15/TPI2014	Matrix-SH							Weight: 484 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. (lb/size) 21=1262/0-2-2, 33=7303/0-5-8
Max Grav 21=1265(LC 4), 33=7303(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7679, 2-3=0/7673, 3-4=0/6277, 4-5=0/6277, 5-7=0/3910, 7-8=0/3910, 8-10=-1999/1151, 10-11=-1999/1151, 11-13=-3710/0, 13-14=-3710/0, 14-16=-3921/0, 16-17=-3921/0, 17-18=-2637/0, 18-19=-2637/0
BOT CHORD 32-33=-6947/0, 31-32=-5746/0, 29-31=-5743/0, 27-29=-2484/487, 25-27=-234/2967, 24-25=0/3928, 22-24=0/3391, 21-22=0/1329
WEBS 1-33=-9655/0, 3-33=-1959/0, 3-32=0/1698, 5-32=-1370/0, 5-29=0/2801, 8-29=-2157/0, 8-27=0/1877, 11-27=-1204/0, 11-25=0/1024, 14-25=-530/0, 14-24=-8/418, 17-24=0/656, 17-22=-935/0, 19-22=0/1620, 19-21=-1739/0, 2-33=-253/0, 5-31=-922/0

NOTES- (10)
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) Unbalanced floor live loads have been considered for this design.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.
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) CAUTION, Do not erect truss backwards.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5850 lb down at 0-1-8 on top chord, and 936 lb up at 9-6-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) 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: 34-35=-10, 21-35=-50(F=-40), 1-20=-65
Concentrated Loads (lb)
Vert: 1=-5850(F) 31=936(F)

February 11,2020

Continued on page 2

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: 34-35=-10, 21-35=-50(F=-40), 1-20=-65
   Concentrated Loads (lb)
      Vert: 1=-5850(F) 31=936(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 34-35=-10, 21-35=-50(F=-40), 1-2=-65, 2-20=-25
   Concentrated Loads (lb)
      Vert: 1=-5850(F) 31=936(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 34-35=-10, 21-35=-50(F=-40), 1-2=-25, 2-20=-65
   Concentrated Loads (lb)
      Vert: 1=-5850(F) 31=936(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 34-35=-10, 21-35=-50(F=-40), 1-2=-65, 2-20=-25
   Concentrated Loads (lb)
      Vert: 1=-5850(F) 31=936(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 34-35=-10, 21-35=-50(F=-40), 1-2=-25, 2-20=-65
   Concentrated Loads (lb)
      Vert: 1=-5850(F) 31=936(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	B1	FLOOR	68	1	I40223230
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:37 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-A0Uh_7NhzOGqNR7YgR7u0lGLDtg4i7QzoTj4TrzmEPC

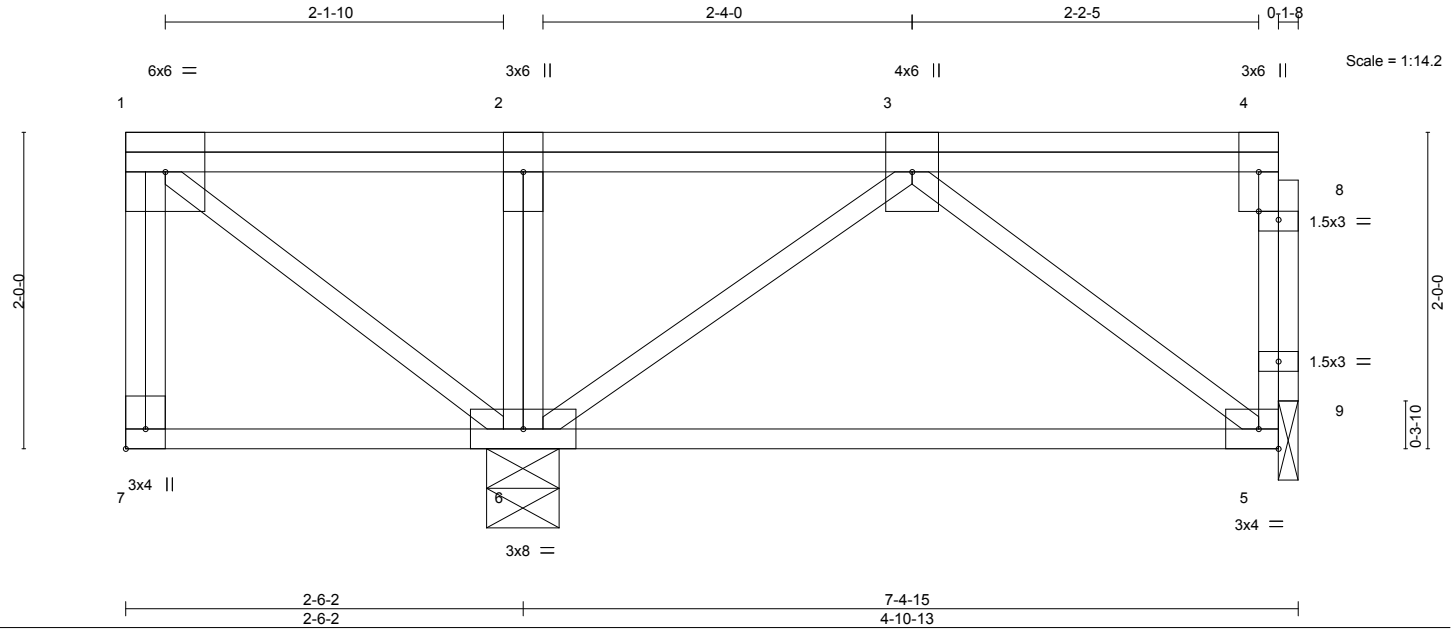


Plate Offsets (X,Y)-- [7:Edge,0-1-8], [8:0-1-8,0-0-10]

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	0.25	Vert(LL)	0.00	5-6	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.21	Vert(CT)	-0.09	5-6	>649	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.28	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 45 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 7-4-15 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 6=1899/0-5-8, 9=-107/0-1-8
Max Uplift 9=-295(LC 3)
Max Grav 6=1899(LC 1), 9=138(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-9=-344/23, 1-2=0/1124, 2-3=0/1125
BOT CHORD 5-6=-474/0
WEBS 2-6=-374/0, 1-6=-1411/0, 3-6=-978/0, 3-5=0/609

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 9.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 727 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: 5-7=-20, 1-4=-130
Concentrated Loads (lb)
Vert: 1=-727(F)

February 11,2020

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	B2	FLOOR	24	1	I40223231
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:38 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-eC23CTOJkhOh_bikE9e7ZzpW6G2jRbp717Td?HzmEPB

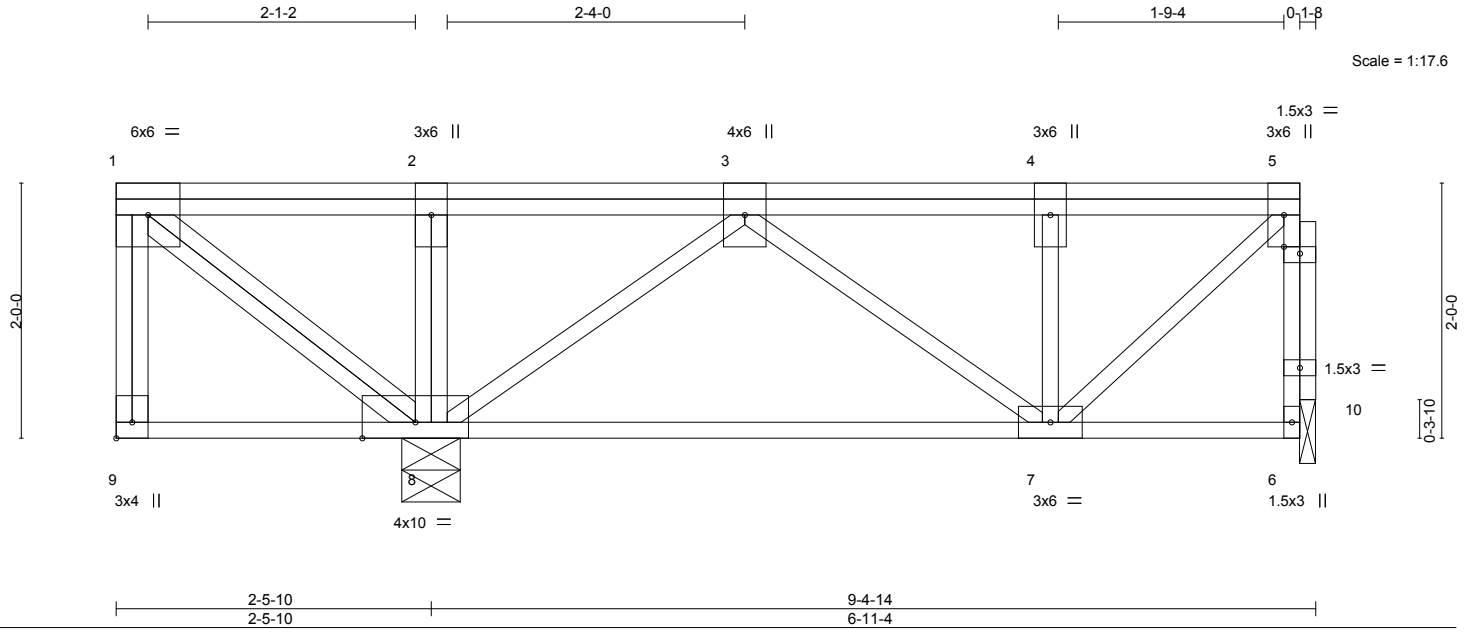


Plate Offsets (X,Y)-- [5:0-1-8,0-0-10], [9:Edge,0-1-8]

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	0.24	Vert(LL)	0.00	7-8	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	-0.04	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	Horz(CT)	-0.01	10	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 60 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. (lb/size) 8=2021/0-5-8, 10=-67/0-1-8
Max Uplift 10=-247(LC 3)
Max Grav 8=2021(LC 1), 10=149(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/1457, 2-3=0/1457, 3-4=-85/284, 4-5=-85/284
BOT CHORD 7-8=-822/0
WEBS 2-8=-253/0, 1-8=-1842/0, 3-8=-991/0, 3-7=0/674, 5-7=-394/107

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 247 lb uplift at joint 10.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1045 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: 6-9=-13, 1-5=-87
Concentrated Loads (lb)
Vert: 1=-1045(F)

February 11,2020

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	B3	FLOOR	6	1	I40223232
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:38 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-eC23CTOJkhOh_bikE9e7ZzpY6G0GRcT717Td?HzmEPB

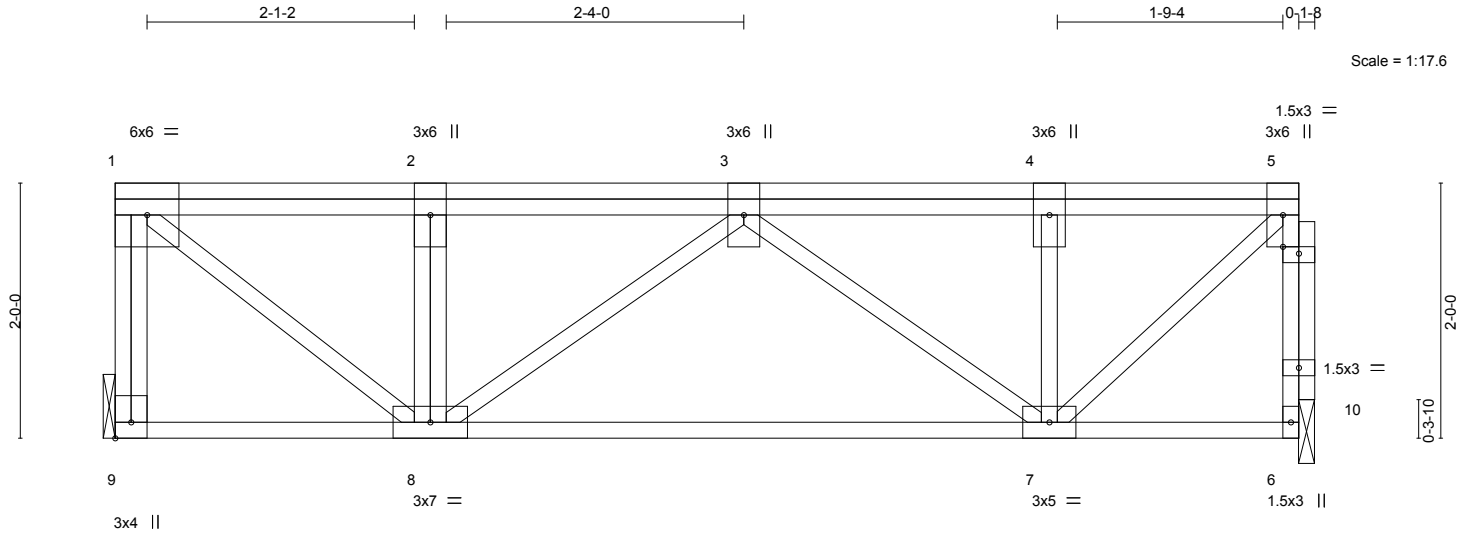


Plate Offsets (X,Y)-- [5:0-1-8,0-0-10], [9:Edge,0-1-8]

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	0.11	Vert(LL)	-0.01	7-8	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.21	Vert(CT)	-0.05	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 57 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. (lb/size) 9=1500/Mechanical, 10=455/0-1-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-1493/0, 5-10=-453/0, 1-2=-474/0, 2-3=-474/0, 3-4=-405/0, 4-5=-405/0
BOT CHORD 7-8=0/578
WEBS 1-8=0/599, 5-7=0/547

NOTES- (8)
1) Refer to girder(s) for truss to truss connections.
2) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
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) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1045 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 6-9=-13, 1-5=-87
Concentrated Loads (lb)
Vert: 1=-1045(F)

February 11,2020

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	B4	FLOOR	6	1	I40223233
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:39 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-6OcRPpPxV?WYclGwos9M5AMfogGLA?aGGnCBYjzmEPA

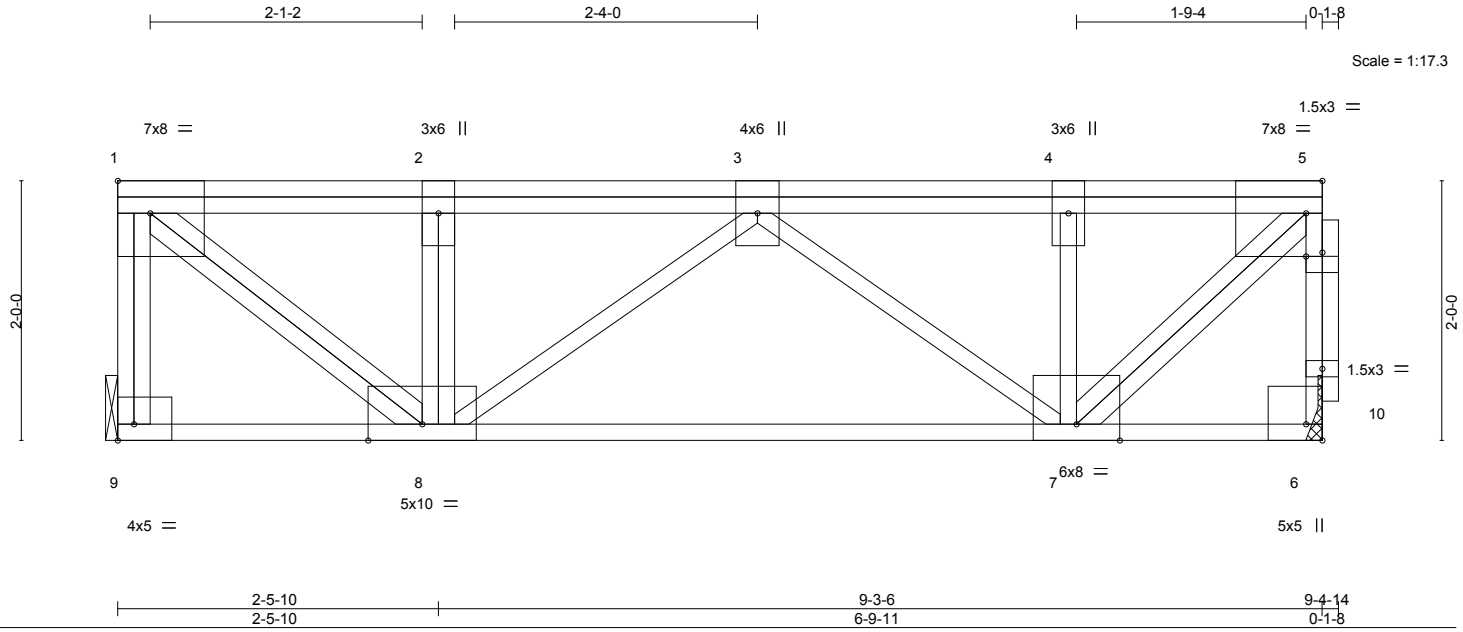


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [5:0-1-8,0-0-6], [5:0-1-8,Edge], [6:Edge,0-1-8], [9:Edge,0-1-8]

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	0.37	Vert(LL)	-0.04	7-8	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.09	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 62 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)

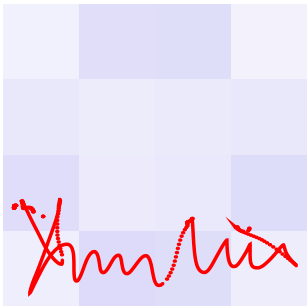
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 9=2364/Mechanical, 6=2396/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-2358/0, 5-6=-2395/0, 1-2=-2439/0, 2-3=-2439/0, 3-4=-2077/0, 4-5=-2055/0
BOT CHORD 7-8=0/3057
WEBS 2-8=-1389/0, 1-8=0/3083, 3-8=-767/0, 3-7=-1222/0, 4-7=-1218/0, 5-7=0/2917

NOTES- (7)
1) Refer to girder(s) for truss to truss connections.
2) Refer to girder(s) for truss to truss connections.
3) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION, Do not erect truss backwards.
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)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-9=-10, 1-5=-510(F=-445)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-9=-10, 1-5=-510(F=-445)



February 11,2020

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	BEL	GABLE	2	1	I40223234
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:40 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-aaApd9QZGJePEvr7MZgbeOuso4jsvU0PURyk4AzmEP9

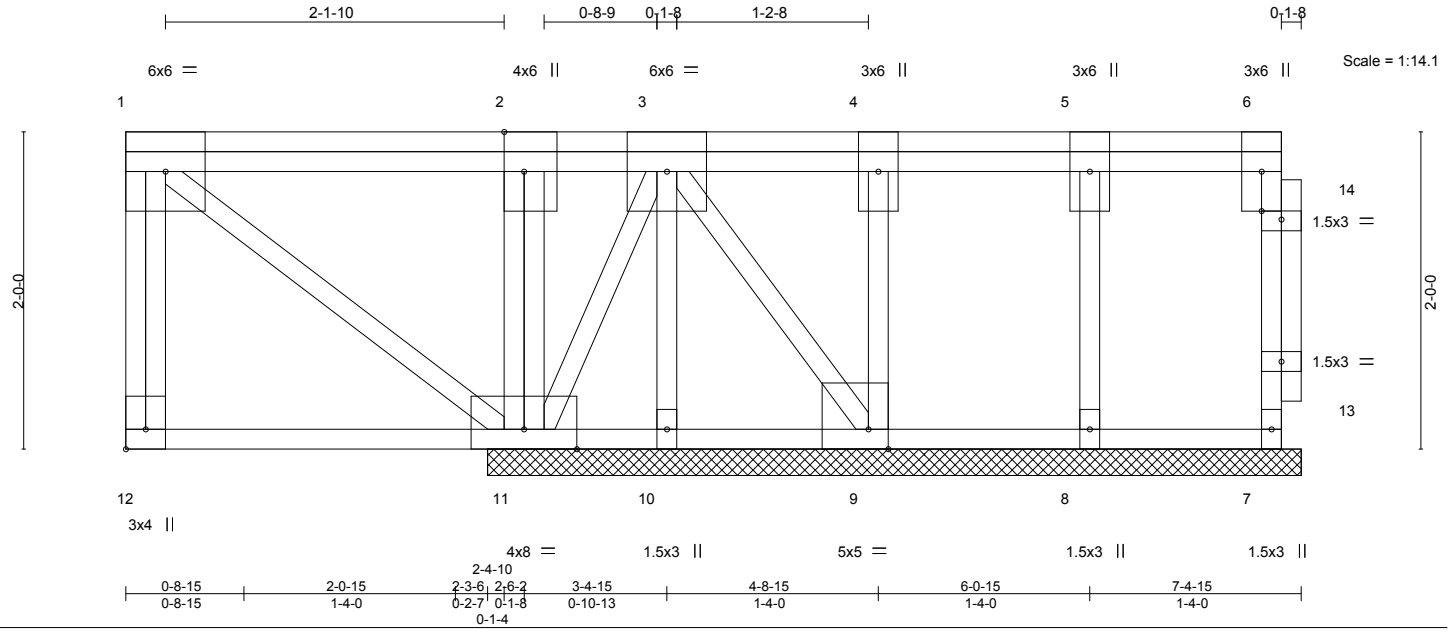


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [9:0-1-8,Edge], [12:Edge,0-1-8], [14:0-1-8,0-0-10]

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	0.23	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 49 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 7-4-15 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 7=54/5-1-9, 8=161/5-1-9, 9=-647/5-1-9, 10=-102/5-1-9, 11=2112/5-1-9
Max Uplift 9=-751(LC 3), 10=-140(LC 3)
Max Grav 7=54(LC 1), 8=162(LC 4), 11=2112(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/1079, 2-3=0/1076
BOT CHORD 10-11=-619/0, 9-10=-619/0
WEBS 2-11=-308/0, 1-11=-1358/0, 3-11=-1038/0, 3-9=0/1045

NOTES- (10)
1) Unbalanced floor live loads have been considered for this design.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 751 lb uplift at joint 9 and 140 lb uplift at joint 10.
5) Non Standard bearing condition. Review required.
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) CAUTION, Do not erect truss backwards.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 727 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) 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: 7-12=-16, 1-6=-104
Concentrated Loads (lb)
Vert: 1=-727(F)

February 11,2020

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	C1	Floor	10	1	I40223235
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:41 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-2nkBqVRC1cmFr3QJvHCqBbRxTU?jevUZj5hHcczmEP8

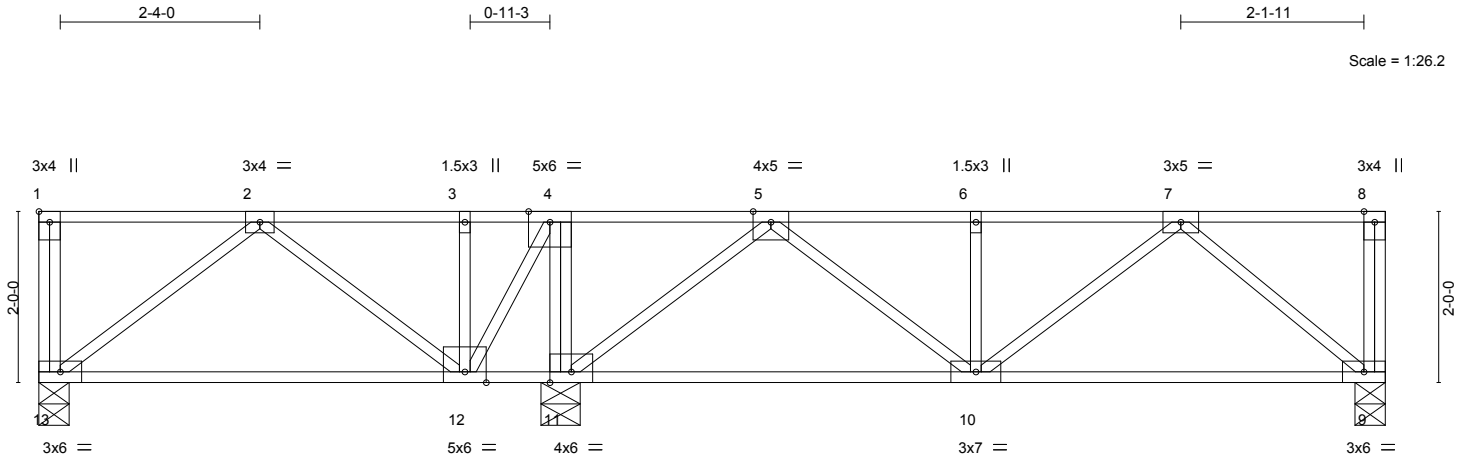


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	100.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.03	10	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.11	12-13	>678	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 74 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. (lb/size) 13=516/0-4-4, 9=1102/0-4-4, 11=2563/0-5-8
Max Uplift 13=-37(LC 4)
Max Grav 13=686(LC 3), 9=1130(LC 4), 11=2563(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-142/511, 3-4=-142/511, 4-5=0/857, 5-6=-1326/0, 6-7=-1326/0
BOT CHORD 12-13=-161/532, 11-12=-857/0, 10-11=0/726, 9-10=0/1053
WEBS 4-11=-1390/0, 2-13=-669/202, 2-12=-781/0, 3-12=-446/10, 4-12=0/1078, 5-11=-1860/0, 5-10=0/806, 6-10=-575/0, 7-10=0/346, 7-9=-1367/0

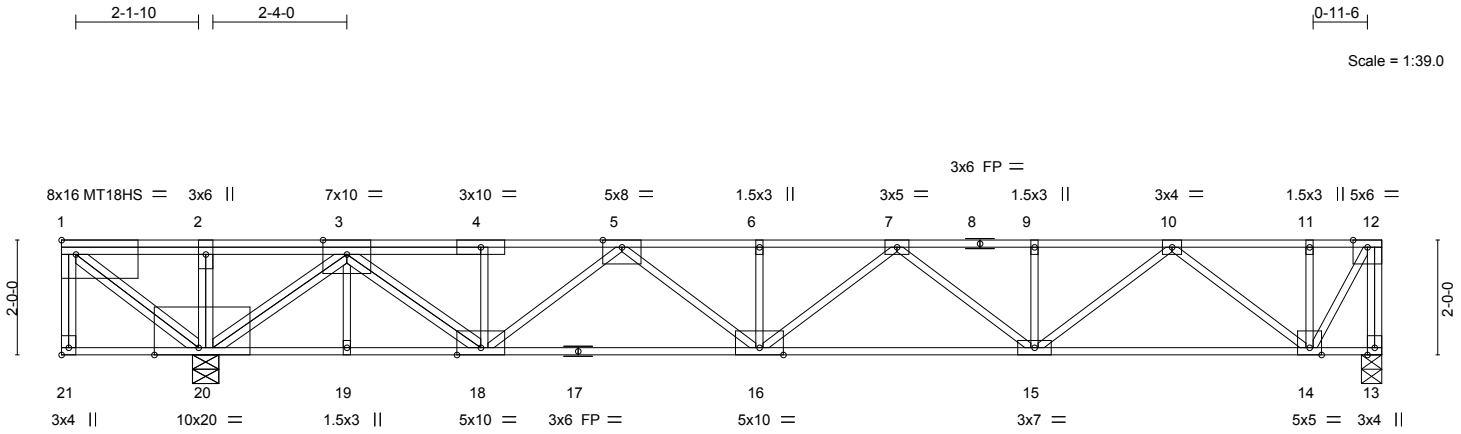
NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 13.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" 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.

February 11,2020

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	C2	FLOOR	8	1	I40223236
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:42 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-XzHa2rRqowu6TC?VT_j3jp_34uHMNIFiylRr82zmEP7



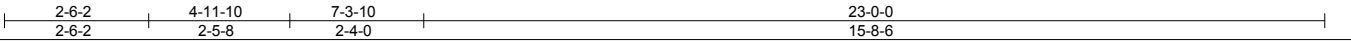


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [20:0-9-4,Edge], [21:Edge,0-1-8]

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	0.81	Vert(LL)	0.20	16-18	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	0.16	16	>999	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	-0.08	13	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 123 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 5-6-15 oc bracing.

REACTIONS. (lb/size) 13=866/0-4-4, 20=7983/0-5-8, 20=7983/0-5-8
Max Grav 13=878(LC 4), 20=7983(LC 1), 20=7983(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-892/0, 1-2=0/7327, 2-3=0/7328, 3-4=0/4063, 4-5=0/4053, 5-6=-475/1810, 6-7=-475/1810, 7-9=-1419/457, 9-10=-1419/457, 10-11=-519/0, 11-12=-519/0
BOT CHORD 19-20=-5641/0, 18-19=-5641/0, 16-18=-2842/0, 15-16=-1056/1147, 14-15=-133/1175
WEBS 1-20=-9190/0, 3-20=-3310/0, 3-18=0/2788, 4-18=-371/0, 5-18=-2068/0, 5-16=0/1534, 6-16=-310/0, 7-16=-957/0, 7-15=0/761, 9-15=-307/0, 10-15=-412/310, 10-14=-833/210, 11-14=-262/0, 12-14=0/1004, 2-20=-413/0

NOTES- (8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Load case(s) 1, 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.
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) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 13-21=-20, 1-12=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-12=-130

February 11,2020

Continued on page 2

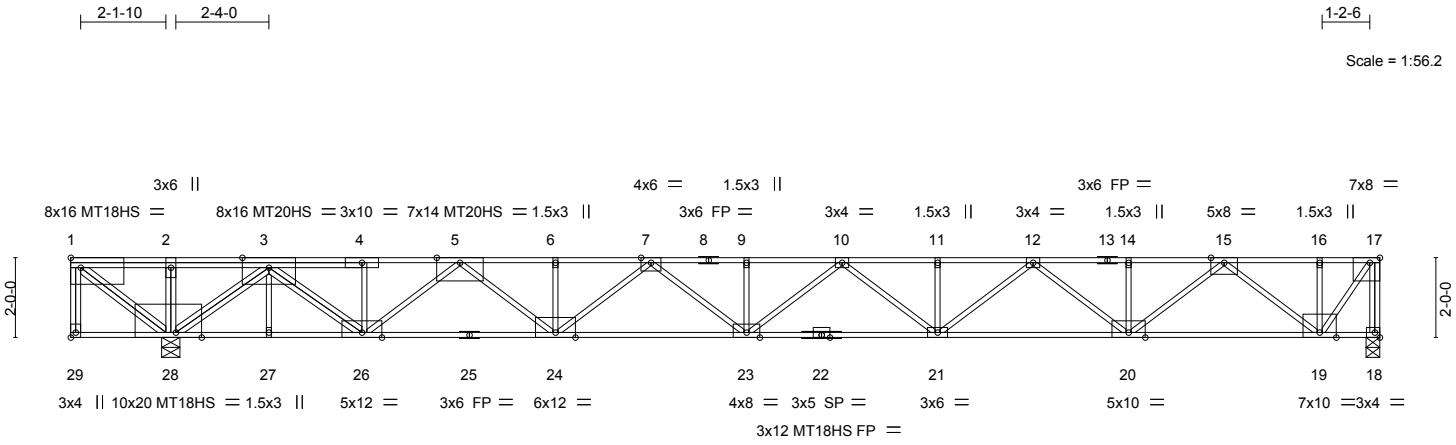
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-2=-130, 2-12=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-2=-50, 2-12=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-2=-130, 2-12=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-2=-50, 2-12=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D1	FLOOR	70	1	I40223237
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:44 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-TMPKSXT4KX8qiW9ubPlXoE3PRhx5rCl?P3wyDxzmEP5



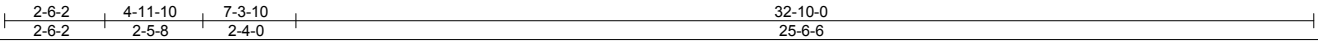


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [17:0-3-0,Edge], [28:0-7-12,Edge], [29:Edge,0-1-8]

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	0.82	Vert(LL)	-0.40	21-23	>916	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.85	21-23	>426	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.10	18	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 163 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-13 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 18=1819/0-4-2, 28=8506/0-5-8
Max Grav 18=1826(LC 4), 28=8506(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1832/0, 1-2=0/7321, 2-3=0/7322, 3-4=0/3731, 4-5=0/3722, 5-6=-3174/1147, 6-7=-3174/1147, 7-9=-5460/0, 9-10=-5460/0, 10-11=-5914/0, 11-12=-5914/0, 12-14=-4535/0, 14-15=-4535/0, 15-16=-1311/0, 16-17=-1311/0
BOT CHORD 27-28=-5476/0, 26-27=-5476/0, 24-26=-2344/1310, 23-24=-230/4519, 21-23=0/5890, 20-21=0/5427, 19-20=0/3129
WEBS 2-28=-427/0, 1-28=-9183/0, 3-28=-4169/0, 3-26=0/3600, 4-26=-345/0, 5-26=-2924/0, 5-24=0/2379, 6-24=-309/0, 7-24=-1720/0, 7-23=0/1207, 9-23=-306/0, 10-23=-623/0, 10-21=0/426, 11-21=-305/0, 12-21=-81/618, 12-20=-1133/0, 14-20=-304/0, 15-20=0/1785, 15-19=-2309/0, 16-19=-273/0, 17-19=0/2208

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 22 = 11%
4) 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.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 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: 18-29=-20, 1-17=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

February 11,2020

Continued on page 2

16023 Swingley Ridge Rd
Chesterfield, MO 63017

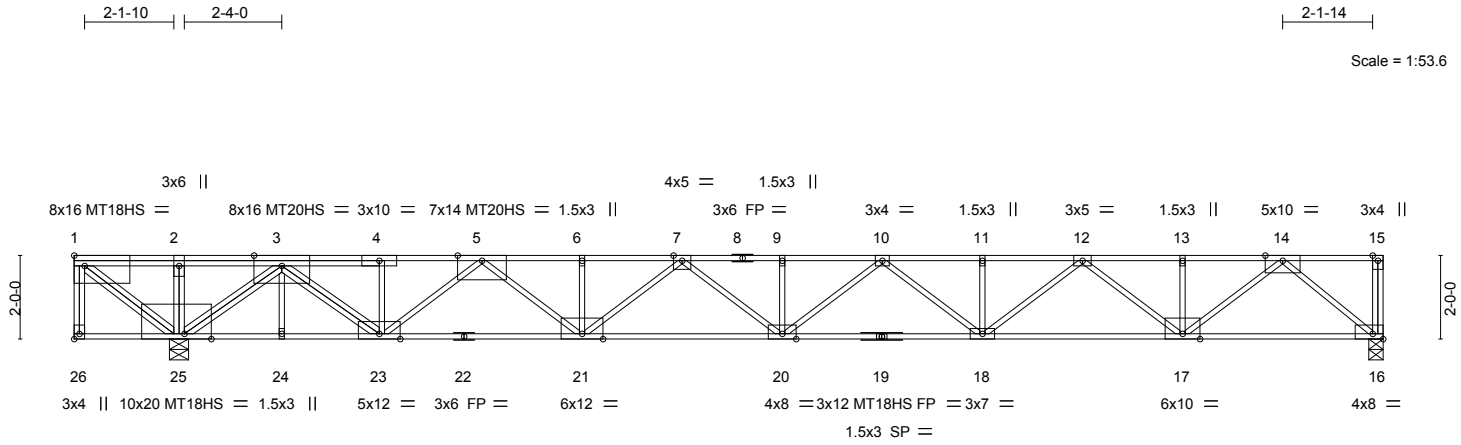
LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-29=-20, 1-17=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-29=-20, 1-2=-130, 2-17=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-29=-20, 1-2=-50, 2-17=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-29=-20, 1-2=-130, 2-17=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 18-29=-20, 1-2=-50, 2-17=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D2	FLOOR	33	1	I40223238
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:48 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-L7frluWbOmfGB7SfqFqTz4D5SIEKn0kbKhu9MizmEP1



2-6-2 | 4-11-10 | 7-3-10 | 31-4-0
2-6-2 | 2-5-8 | 2-4-0 | 24-0-6

Plate Offsets (X,Y)-- [1:Edge,0-3-0], [16:Edge,0-1-8], [25:0-7-12,Edge], [26:Edge,0-1-8]

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	0.82	Vert(LL)	0.39	20-21	>891	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.73	18-20	>470	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.10	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 155 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 1650F 1.4E(flat) *Except*
22-26: 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 1-4-12 oc bracing.

REACTIONS. (lb/size) 25=8415/0-5-8, 16=1683/0-4-2
Max Grav 25=8415(LC 1), 16=1691(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7320, 2-3=0/7321, 3-4=0/3804, 4-5=0/3795, 5-6=-2715/1297, 6-7=-2715/1297, 7-9=-4774/0, 9-10=-4774/0, 10-11=-4997/0, 11-12=-4997/0, 12-13=-3392/0, 13-14=-3392/0
BOT CHORD 24-25=-5514/0, 23-24=-5514/0, 21-23=-2455/966, 20-21=-416/3944, 18-20=0/5086, 17-18=0/4396, 16-17=0/1867
WEBS 2-25=-426/0, 1-25=-9181/0, 3-25=-4020/0, 3-23=0/3464, 4-23=-351/0, 5-23=-2776/0, 5-21=0/2235, 6-21=-311/0, 7-21=-1573/0, 7-20=0/1066, 9-20=-309/0, 10-20=-575/0, 10-18=-112/379, 11-18=-309/0, 12-18=-36/763, 12-17=-1275/0, 13-17=-302/0, 14-17=0/1937, 14-16=-2418/0

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 19 = 11%
4) 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.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5436 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: 16-26=-20, 1-15=-130

February 11,2020

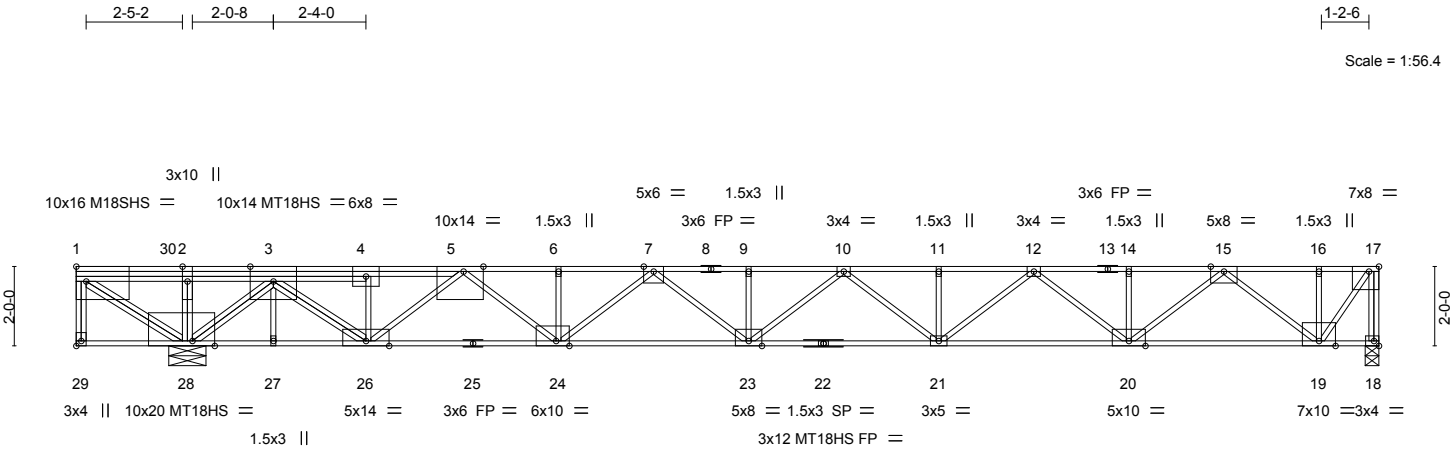
Continued on page 2

16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 1=-5436(F)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5436(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-2=-130, 2-15=-50
Concentrated Loads (lb)
Vert: 1=-5436(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-2=-50, 2-15=-130
Concentrated Loads (lb)
Vert: 1=-5436(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-2=-130, 2-15=-50
Concentrated Loads (lb)
Vert: 1=-5436(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-2=-50, 2-15=-130
Concentrated Loads (lb)
Vert: 1=-5436(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D3	FLOOR	16	1	I40223239
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:50 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-IWmbjaXrvNv_QRc2xgsx2VJSS6_cFv8uo?NGRbzmEP?



2-9-10 (2-9-10) | 4-11-10 (2-2-0) | 7-3-10 (2-4-0) | 32-10-0 (25-6-6)

Plate Offsets (X,Y)-- [1:Edge,0-4-8], [5:0-6-0,Edge], [17:0-3-0,Edge], [24:0-4-0,Edge], [28:0-6-12,Edge], [29:Edge,0-1-8]

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	0.66	Vert(LL)	0.44	23-24	>825	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.75	21-23	>481	240	M18SHS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	-0.11	18	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 173 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat) *Except*
25-29: 2x4 SPF 1650F 1.4E(flat)
WEBS 2x4 SPF No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-11 oc purlins, except end verticals.
BOT CHORD Structural wood sheathing directly applied or 4-6-8 oc bracing.

REACTIONS. (lb/size) 18=1742/0-4-2, 28=8582/0-11-4
Max Grav 18=1751(LC 4), 28=8582(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1757/0, 1-2=0/8388, 2-3=0/8385, 3-4=0/4944, 4-5=0/4947, 5-6=-2359/1867, 6-7=-2354/1865, 7-9=-4829/19, 9-10=-4829/19, 10-11=-5475/0, 11-12=-5475/0, 12-14=-4289/0, 14-15=-4289/0, 15-16=-1257/0, 16-17=-1257/0
BOT CHORD 27-28=-6620/0, 26-27=-6620/0, 24-26=-3363/233, 23-24=-866/3791, 21-23=0/5354, 20-21=0/5084, 19-20=0/2979
WEBS 2-28=-530/0, 1-28=-10036/0, 3-28=-4000/0, 3-26=0/3672, 5-26=-3108/0, 5-24=0/2612, 6-24=-267/0, 7-24=-1839/0, 7-23=0/1333, 9-23=-307/0, 10-23=-730/0, 10-21=0/534, 11-21=-305/0, 12-21=-188/496, 12-20=-1011/0, 14-20=-305/0, 15-20=0/1663, 15-19=-2186/0, 16-19=-274/0, 17-19=0/2115

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 28 = 7%, joint 22 = 11%
4) 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.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 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: 18-29=-20, 1-17=-130

February 11,2020

Continued on page 2

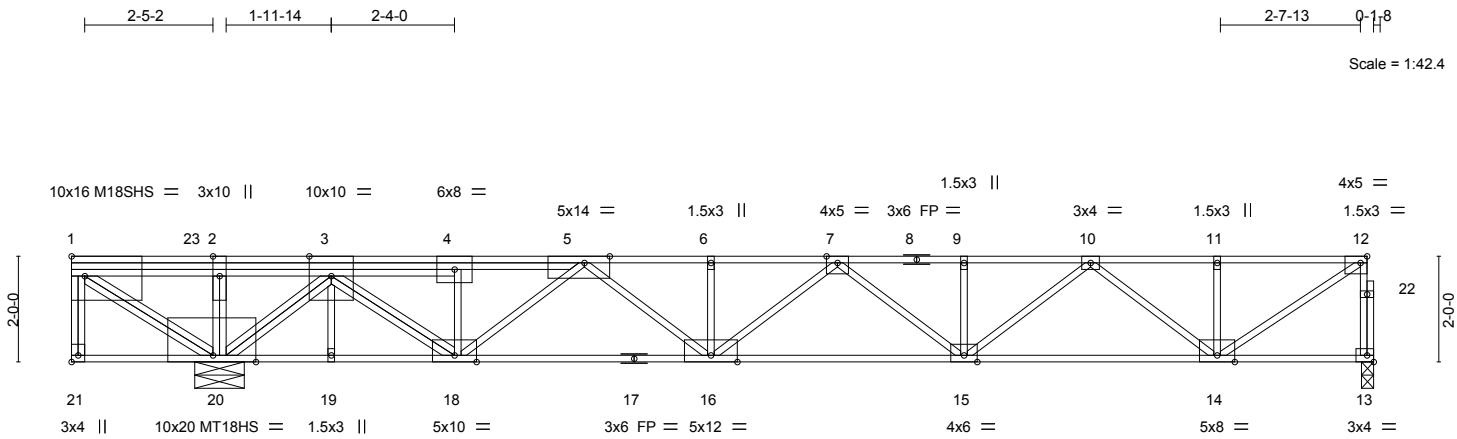
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 1=-5437(F)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-29=-20, 1-17=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-29=-20, 1-30=-130, 17-30=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-29=-20, 1-30=-50, 17-30=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-29=-20, 1-30=-130, 17-30=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-29=-20, 1-30=-50, 17-30=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D4	FLOOR	9	1	I40223240
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:51 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-miKzwwYTgh1r2bBEVNNAairdJWIL_MO10f6pz1zmEP_



2-9-10 (2-9-10) | 4-11-0 (2-1-6) | 7-3-0 (2-4-0) | 24-7-13 (17-4-13)

Plate Offsets (X,Y)-- [1:Edge,0-4-8], [5:0-5-12,Edge], [12:0-1-8,Edge], [20:0-9-12,Edge], [21:Edge,0-1-8]

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	0.65	Vert(LL)	0.25	16	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	0.20	16	>999	240	M18SHS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	-0.09	13	n/a	n/a	MT18HS	197/144
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 2-2-0 oc bracing.

REACTIONS. (lb/size) 13=932/0-2-12, 20=8157/0-11-4
Max Grav 13=945(LC 4), 20=8157(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-927/0, 1-2=0/8385, 2-3=0/8382, 3-4=0/5224, 4-5=0/5228, 5-6=-200/2375, 6-7=-195/2373, 7-9=-1600/764, 9-10=-1600/764, 10-11=-1185/7, 11-12=-1185/7
BOT CHORD 19-20=-6771/0, 18-19=-6771/0, 16-18=-3751/0, 15-16=-1492/1095, 14-15=-314/1577
WEBS 2-20=-507/0, 1-20=-10034/0, 3-20=-3300/0, 3-18=0/2961, 5-18=-2492/0, 5-16=0/1975, 6-16=-319/0, 7-16=-1162/0, 7-15=0/924, 9-15=-316/0, 10-15=-571/29, 10-14=-498/390, 11-14=-388/0, 12-14=-11/1393

NOTES- (10)
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 20 = 7%
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 13.
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) CAUTION, Do not erect truss backwards.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) 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: 13-21=-20, 1-12=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00

February 11,2020

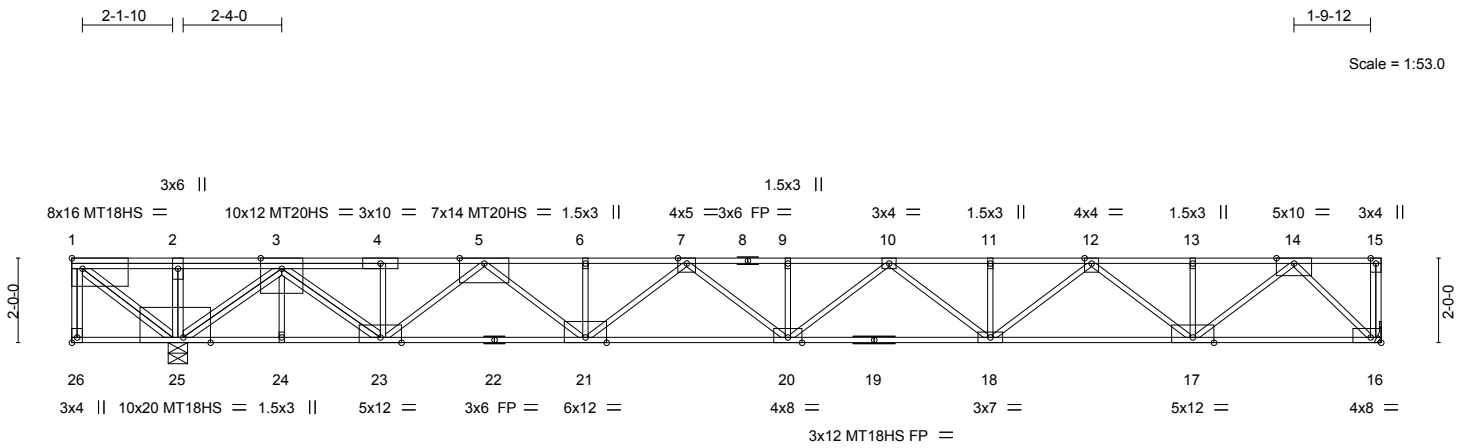
Continued on page 2

16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 13-21=-20, 1-12=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-23=-130, 12-23=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-23=-50, 12-23=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-23=-130, 12-23=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-23=-50, 12-23=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D5	FLOOR	3	1	I40223241
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:52 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-EuuM8GZ5R?9iglmQ35uP7wOmSwbljqlBFJsNUTzmEOz



2-4-10 2-6-2 4-11-10 7-3-10 30-11-14
2-4-10 0-1-8 2-5-8 2-4-0 23-8-4

Plate Offsets (X,Y)-- [1:Edge,0-3-0], [16:Edge,0-1-8], [25:0-7-12,Edge], [26:Edge,0-1-8]

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	0.82	Vert(LL)	0.37	20-21	>908	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.68	18-20	>497	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.09	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 154 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 1650F 1.4E(flat) *Except*
22-26: 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 2-2-0 oc bracing.

REACTIONS. (lb/size) 25=8396/0-5-8, 16=1652/Mechanical
Max Grav 25=8396(LC 1), 16=1660(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7315, 2-3=0/7316, 3-4=0/3816, 4-5=0/3807, 5-6=-2616/1326, 6-7=-2616/1326, 7-9=-4622/0, 9-10=-4622/0, 10-11=-4794/0, 11-12=-4794/0, 12-13=-3136/0, 13-14=-3136/0
BOT CHORD 24-25=-5518/0, 23-24=-5518/0, 21-23=-2476/892, 20-21=-454/3818, 18-20=0/4908, 17-18=0/4165, 16-17=0/1582
WEBS 2-25=-426/0, 1-25=-9178/0, 3-25=-3986/0, 3-23=0/3432, 4-23=-352/0, 5-23=-2743/0, 5-21=0/2202, 6-21=-311/0, 7-21=-1541/0, 7-20=0/1033, 9-20=-309/0, 10-20=-564/0, 10-18=-145/369, 11-18=-309/0, 12-18=-23/799, 12-17=-1307/0, 13-17=-310/0, 14-17=0/1974, 14-16=-2201/0

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) 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.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 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: 16-26=-20, 1-15=-130

February 11,2020

Continued on page 2

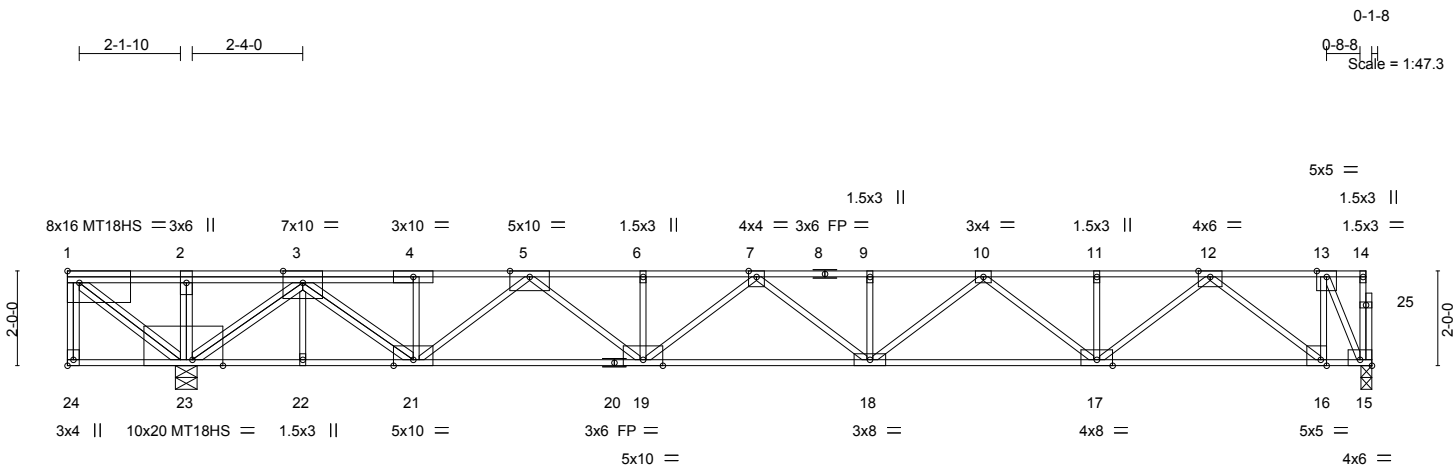
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 1=-5437(F)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-2=-130, 2-15=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-2=-50, 2-15=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-2=-130, 2-15=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-20, 1-2=-50, 2-15=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D6	FLOOR	19	1	I40223242
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:54 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-AH06ZxbLzcPPv3wpAWwtCLT60jMoBjDTidLTZMzmEOx



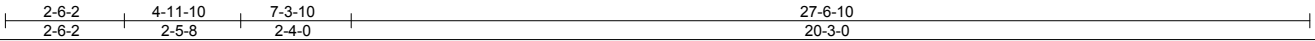


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [15:Edge,0-1-8], [16:0-1-8,Edge], [23:0-7-12,Edge], [24:Edge,0-1-8]

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	0.82	Vert(LL)	0.30	18-19	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.32	17-18	>923	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	-0.09	15	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 142 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 5-7-10 oc bracing.

REACTIONS. (lb/size) 23=8204/0-5-8, 15=1320/0-2-12
Max Grav 23=8204(LC 1), 15=1329(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7326, 2-3=0/7327, 3-4=0/3964, 4-5=0/3955, 5-6=-1618/1611, 6-7=-1618/1611, 7-9=-3130/162, 9-10=-3130/162, 10-11=-2812/0, 11-12=-2812/0, 12-13=-646/0
BOT CHORD 22-23=-5589/0, 21-22=-5589/0, 19-21=-2693/140, 18-19=-809/2574, 17-18=0/3171, 16-17=0/1933, 15-16=0/646
WEBS 2-23=-417/0, 1-23=-9190/0, 3-23=-3679/0, 3-21=0/3127, 4-21=-358/0, 5-21=-2430/0, 5-19=0/1892, 6-19=-310/0, 7-19=-1228/0, 7-18=0/823, 9-18=-309/0, 10-18=-478/0, 10-17=-456/281, 11-17=-308/0, 12-17=0/1115, 12-16=-1634/0, 13-16=0/1095, 13-15=-1503/0

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
4) 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.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 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: 15-24=-20, 1-14=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

February 11,2020

Continued on page 2

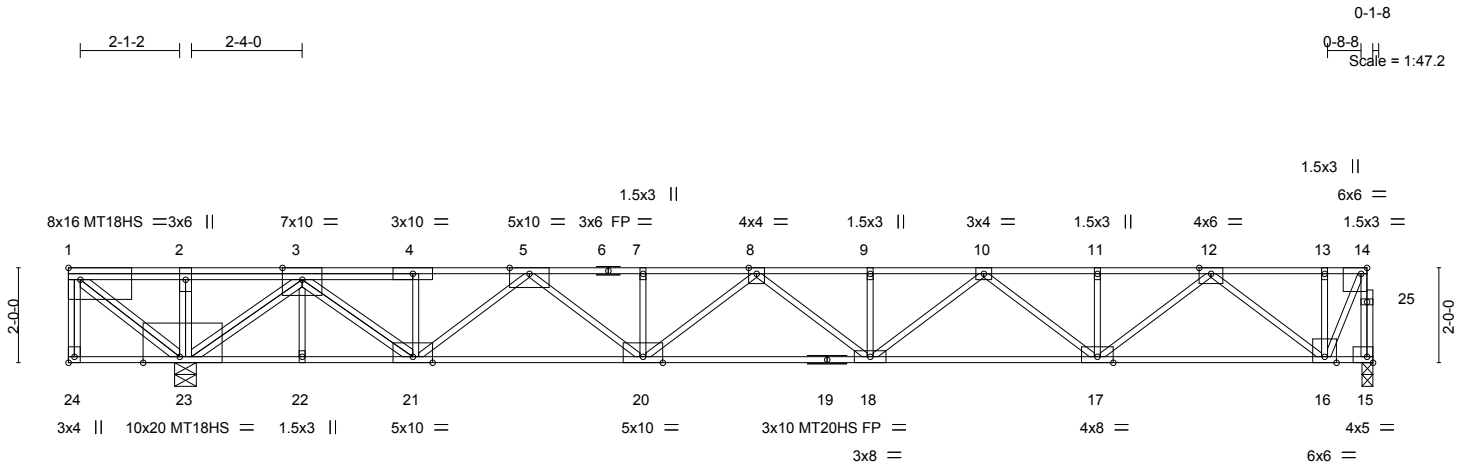
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-14=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-2=-130, 2-14=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-2=-50, 2-14=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-2=-130, 2-14=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-2=-50, 2-14=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D7	FLOOR	4	1	I40223243
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:55 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-eTaUmHb_kwXGXCV?kDS6lY0Hz7iwwAbdxH415ozmEOw



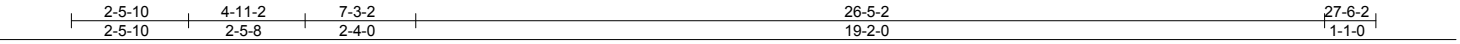


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [14:0-1-8,Edge], [15:Edge,0-1-8], [23:0-9-4,Edge], [24:Edge,0-1-8]

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	0.80	Vert(LL)	0.29	18-20	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.33	17-18	>906	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	-0.09	15	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 141 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 5-9-0 oc bracing.

REACTIONS. (lb/size) 15=1330/0-2-12, 23=8188/0-5-8
Max Grav 15=1338(LC 4), 23=8188(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-1363/0, 1-2=0/7199, 2-3=0/7200, 3-4=0/3864, 4-5=0/3855, 5-7=-1691/1535, 7-8=-1691/1535, 8-9=-3180/110, 9-10=-3180/110, 10-11=-2838/0, 11-12=-2838/0, 12-13=-650/0, 13-14=-650/0
BOT CHORD 22-23=-5474/0, 21-22=-5474/0, 20-21=-2605/224, 18-20=-745/2636, 17-18=0/3210, 16-17=0/1950
WEBS 2-23=-413/0, 1-23=-9087/0, 3-23=-3663/0, 3-21=0/3108, 4-21=-356/0, 5-21=-2415/0, 5-20=0/1877, 7-20=-310/0, 8-20=-1213/0, 8-18=0/807, 9-18=-309/0, 10-18=-463/0, 10-17=-471/266, 11-17=-307/0, 12-17=0/1128, 12-16=-1651/0, 13-16=-257/0, 14-16=0/1491

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
4) 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.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 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: 15-24=-20, 1-14=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

February 11,2020

Continued on page 2

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: 15-24=-20, 1-14=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-2=-130, 2-14=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-2=-50, 2-14=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-2=-130, 2-14=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 15-24=-20, 1-2=-50, 2-14=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D8	FLOOR	1	1	I40223244
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:56 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-6f8s_dccVDf78M4BIwzLHmZSmX4xfdrmAxqadEzmEOv

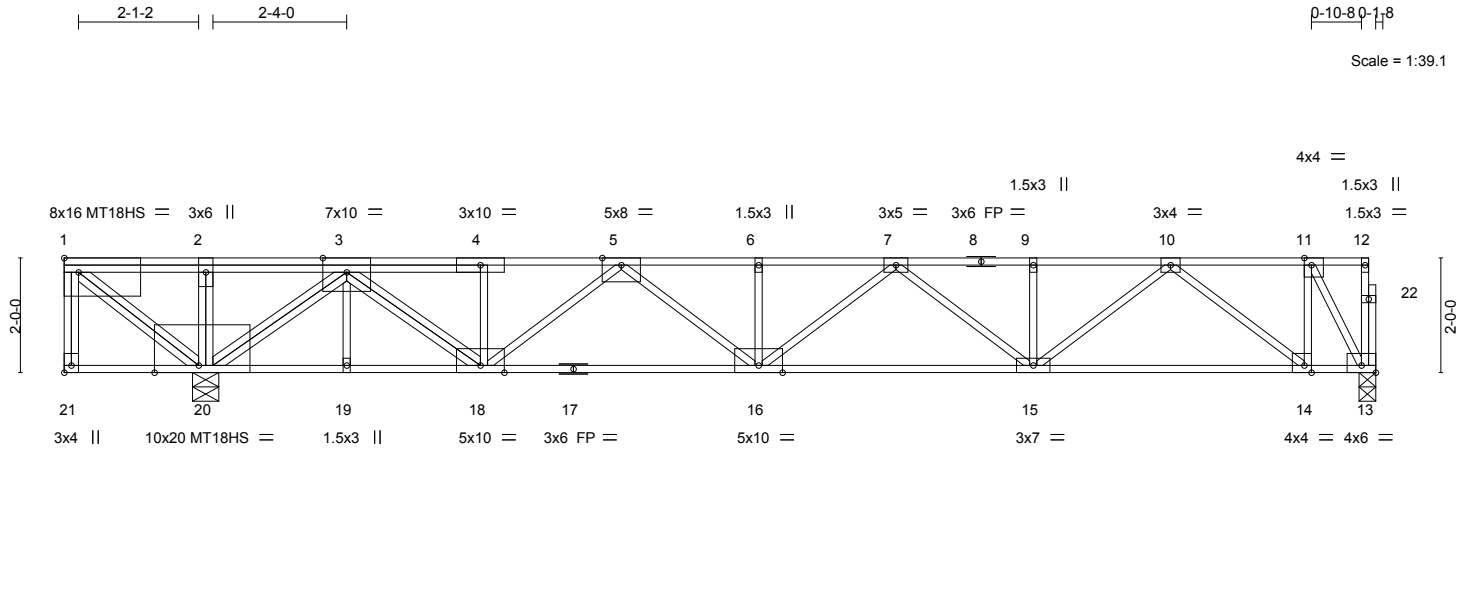


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [11:0-1-8,Edge], [13:Edge,0-1-8], [14:0-1-8,Edge], [20:0-9-4,Edge], [21:Edge,0-1-8]

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	0.80	Vert(LL)	0.19	16-18	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	0.15	18	>999	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	-0.07	13	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 122 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 5-8-5 oc bracing.

REACTIONS. (lb/size) 20=7962/0-5-8, 13=862/0-3-8
Max Grav 20=7962(LC 1), 13=873(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7199, 2-3=0/7200, 3-4=0/3969, 4-5=0/3959, 5-6=-521/1746, 6-7=-521/1746, 7-9=-1429/423, 9-10=-1429/423, 10-11=-494/0
BOT CHORD 19-20=-5529/0, 18-19=-5529/0, 16-18=-2763/0, 15-16=-1007/1175, 14-15=-113/1167, 13-14=0/494
WEBS 2-20=-409/0, 1-20=-9087/0, 3-20=-3285/0, 3-18=0/2761, 4-18=-368/0, 5-18=-2044/0, 5-16=0/1511, 6-16=-310/0, 7-16=-938/0, 7-15=0/742, 9-15=-308/0, 10-15=-394/334, 10-14=-854/192, 11-14=-32/611, 11-13=-1002/0

NOTES- (8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Load case(s) 1, 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.
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) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 13-21=-20, 1-12=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-12=-130

February 11,2020

Continued on page 2

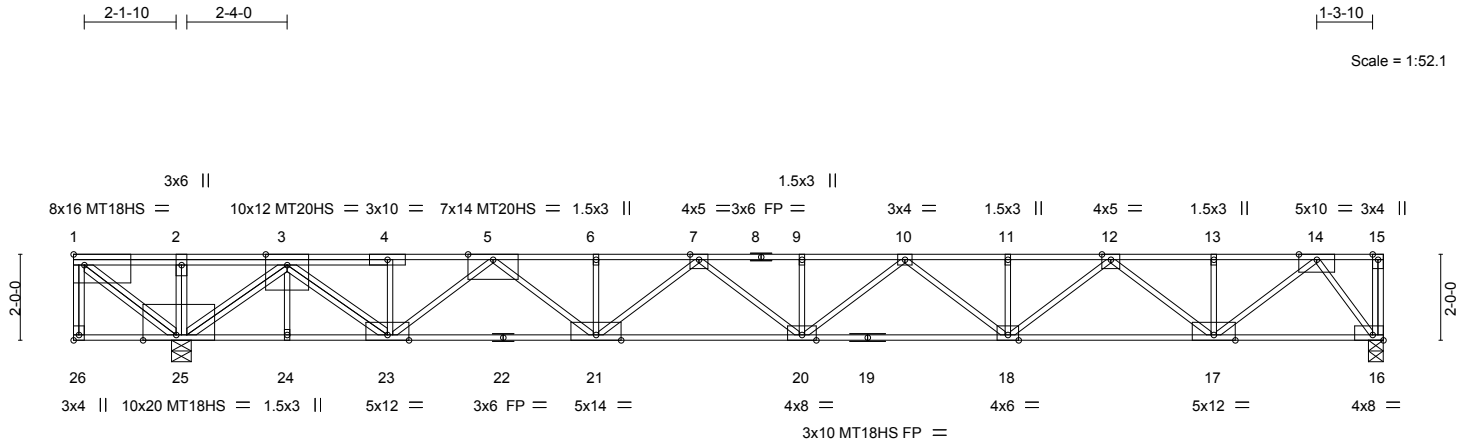
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-2=-130, 2-12=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-2=-50, 2-12=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-2=-130, 2-12=-50
Concentrated Loads (lb)
Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-21=-20, 1-2=-50, 2-12=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D9	FLOOR	4	1	I40223245
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:57 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-bshFBzdEGXn_mWeOreUaqz5dBxKgO4zwPbZ89hzmEOu



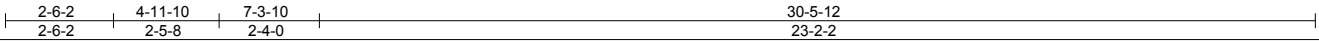


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [16:Edge,0-1-8], [25:0-9-4,Edge], [26:Edge,0-1-8]

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	0.82	Vert(LL)	-0.61	20	>549	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.62	18-20	>540	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.12	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 152 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 1650F 1.4E(flat) *Except*
22-26: 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 2-2-0 oc bracing.

REACTIONS. (lb/size) 25=8367/0-5-8, 16=1605/0-4-2
Max Grav 25=8367(LC 1), 16=1613(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7321, 2-3=0/7322, 3-4=0/3845, 4-5=0/3836, 5-6=-2458/1377, 6-7=-2458/1377, 7-9=-4389/0, 9-10=-4389/0, 10-11=-4487/0, 11-12=-4487/0, 12-13=-2752/0, 13-14=-2752/0
BOT CHORD 24-25=-5536/0, 23-24=-5536/0, 21-23=-2517/772, 20-21=-517/3624, 18-20=0/4638, 17-18=0/3818, 16-17=0/1160
WEBS 2-25=-425/0, 1-25=-9183/0, 3-25=-3937/0, 3-23=0/3387, 4-23=-354/0, 5-23=-2695/0, 5-21=0/2155, 6-21=-311/0, 7-21=-1493/0, 7-20=0/986, 9-20=-309/0, 10-20=-551/0, 10-18=-191/355, 11-18=-310/0, 12-18=-6/849, 12-17=-1354/0, 13-17=-316/0, 14-17=0/2022, 14-16=-1917/0

NOTES- (8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Load case(s) 1, 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.
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) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

February 11,2020

Continued on page 2

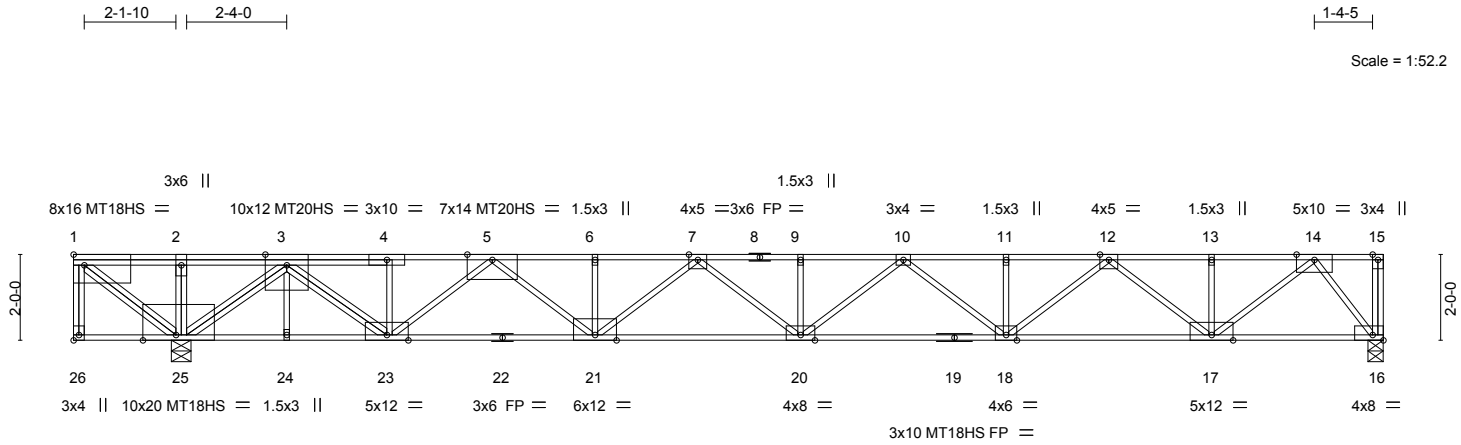
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D10	FLOOR	6	1	I40223246
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:45 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-xYzigsUi5rGhKgk487GmLRbaD5Eraf?9ejfVlNzmEP4



2-6-2 | 4-11-10 | 7-3-10 | 30-6-7
2-6-2 | 2-5-8 | 2-4-0 | 23-2-13

Plate Offsets (X,Y)-- [1:Edge,0-3-0], [16:Edge,0-1-8], [25:0-9-4,Edge], [26:Edge,0-1-8]

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	0.82	Vert(LL)	0.36	20-21	>936	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.60	18-20	>554	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	-0.09	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 153 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat) *Except*
19-22: 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 2-2-0 oc bracing.

REACTIONS. (lb/size) 25=8370/0-5-8, 16=1610/0-4-4
Max Grav 25=8370(LC 1), 16=1618(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7321, 2-3=0/7322, 3-4=0/3843, 4-5=0/3833, 5-6=-2475/1372, 6-7=-2475/1372, 7-9=-4415/0, 9-10=-4415/0, 10-11=-4521/0, 11-12=-4521/0, 12-13=-2794/0, 13-14=-2794/0
BOT CHORD 24-25=-5535/0, 23-24=-5535/0, 21-23=-2513/785, 20-21=-510/3645, 18-20=0/4669, 17-18=0/3858, 16-17=0/1207
WEBS 2-25=-425/0, 1-25=-9183/0, 3-25=-3943/0, 3-23=0/3393, 4-23=-354/0, 5-23=-2700/0, 5-21=0/2160, 6-21=-311/0, 7-21=-1498/0, 7-20=0/991, 9-20=-309/0, 10-20=-553/0, 10-18=-187/357, 11-18=-308/0, 12-18=-8/842, 12-17=-1351/0, 13-17=-314/0, 14-17=0/2015, 14-16=-1946/0

NOTES- (8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Load case(s) 1, 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.
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) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

February 11,2020

Continued on page 2

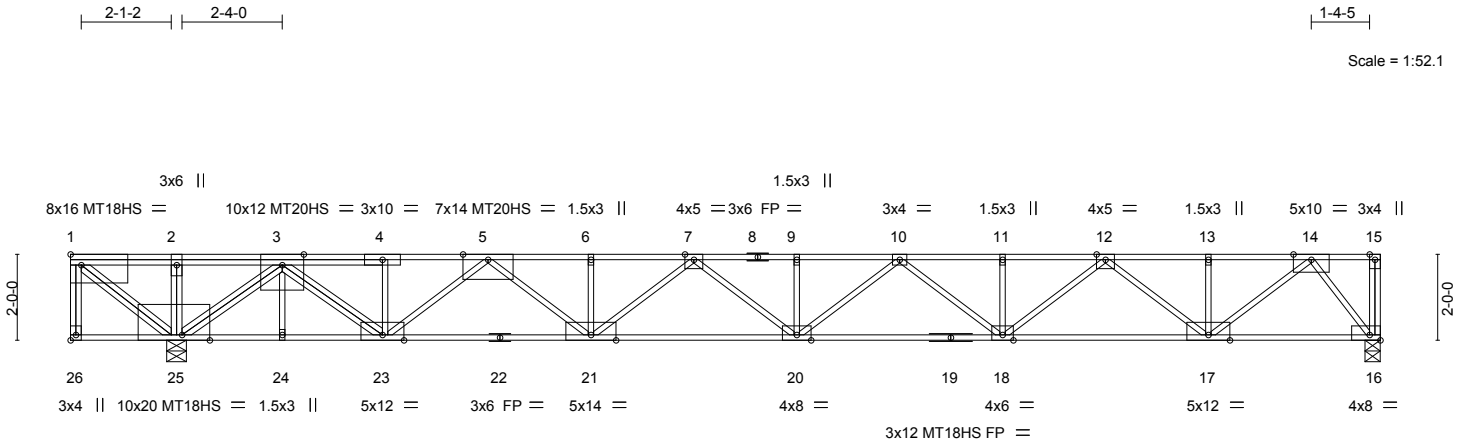
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	D11	FLOOR	5	1	I40223247
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:47 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-tx5T5YVydSXPZ_uTGXIEQshwwvvB2ZeR518cqGzmEP2



2-5-10 | 4-11-2 | 7-3-2 | 30-5-15
2-5-10 | 2-5-8 | 2-4-0 | 23-2-13

Plate Offsets (X,Y)-- [1:Edge,0-3-0], [16:Edge,0-1-8], [25:0-7-12,Edge], [26:Edge,0-1-8]

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	0.81	Vert(LL)	0.35	20-21	>953	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.61	18-20	>546	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	-0.09	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 152 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat) *Except*
19-22: 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 2-2-0 oc bracing.

REACTIONS. (lb/size) 25=8355/0-5-8, 16=1618/0-4-4
Max Grav 25=8355(LC 1), 16=1626(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7194, 2-3=0/7195, 3-4=0/3740, 4-5=0/3731, 5-6=-2553/1291, 6-7=-2553/1291, 7-9=-4472/0, 9-10=-4472/0, 10-11=-4558/0, 11-12=-4558/0, 12-13=-2810/0, 13-14=-2810/0
BOT CHORD 24-25=-5418/0, 23-24=-5418/0, 21-23=-2421/873, 20-21=-440/3712, 18-20=0/4716, 17-18=0/3885, 16-17=0/1213
WEBS 2-25=-422/0, 1-25=-9080/0, 3-25=-3929/0, 3-23=0/3375, 4-23=-351/0, 5-23=-2687/0, 5-21=0/2147, 6-21=-310/0, 7-21=-1485/0, 7-20=0/977, 9-20=-309/0, 10-20=-539/0, 10-18=-200/343, 11-18=-308/0, 12-18=0/855, 12-17=-1364/0, 13-17=-314/0, 14-17=0/2028, 14-16=-1956/0

NOTES- (8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Load case(s) 1, 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.
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) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5437 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5437(F)

February 11,2020

Continued on page 2

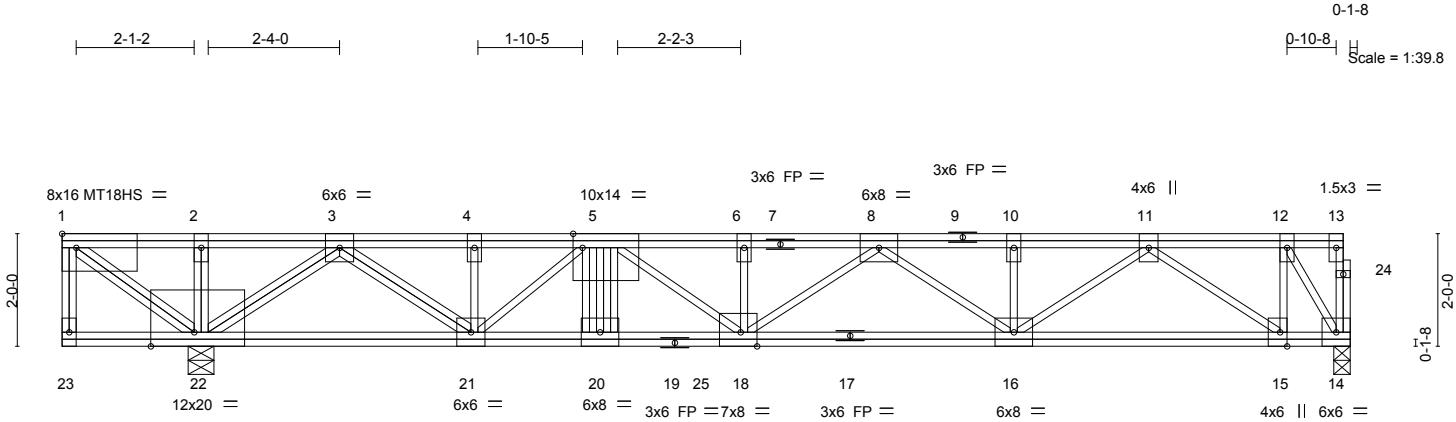
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5437(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5437(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	DGR1	FLOOR	1	2	I40223248
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:45:59 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-XEp?cfeUo81i0qomz3W2vOB_skA1s_ICsu2EEZzmEOs



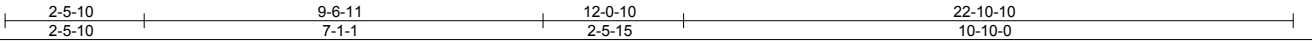


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [5:0-2-0,Edge], [15:0-3-0,Edge], [18:0-3-8,Edge], [22:0-9-4,Edge]

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	0.75	Vert(LL)	0.09	18-20	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.22	Vert(CT)	0.16	18-20	>999	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	-0.05	14	n/a	n/a		
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 337 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, Except:
10-0-0 oc bracing: 22-23,14-15.

REACTIONS. (lb/size) 14=332/0-3-8, 22=12794/0-5-8
Max Uplift 14=-72(LC 3)
Max Grav 14=338(LC 4), 22=12794(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/14427, 2-3=0/14428, 3-4=0/10856, 4-5=0/10853, 5-6=0/6073, 6-8=0/6073, 8-10=0/1769, 10-11=0/1769, 11-12=-263/0
BOT CHORD 21-22=-12611/0, 20-21=-9243/0, 18-20=-9239/0, 16-18=-3867/0, 15-16=-813/0
WEBS 1-22=-17976/0, 3-22=-2851/0, 3-21=0/2619, 5-21=-2297/0, 5-18=0/3961, 8-18=-2733/0, 8-16=0/2598, 11-16=-1183/0, 11-15=0/1046, 12-15=0/319, 12-14=-503/0, 2-22=-303/0, 5-20=-1026/0

NOTES- (11)
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) Unbalanced floor live loads have been considered for this design.
3) All plates are MT20 plates unless otherwise indicated.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 14.
6) 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.
7) 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.
8) CAUTION, Do not erect truss backwards.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 10774 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

LOAD CASE(S)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 23-25=-10, 14-25=-155(F=-145), 1-13=-65

February 11,2020

Continued on page 2

16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S)

Concentrated Loads (lb)
Vert: 1=-10774(F) 20=981(F)

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 23-25=-10, 14-25=-155(F=-145), 1-13=-65
Concentrated Loads (lb)
Vert: 1=-10774(F) 20=981(F)

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 23-25=-10, 14-25=-155(F=-145), 1-2=-65, 2-13=-25
Concentrated Loads (lb)
Vert: 1=-10774(F) 20=981(F)

4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 23-25=-10, 14-25=-155(F=-145), 1-2=-25, 2-13=-65
Concentrated Loads (lb)
Vert: 1=-10774(F) 20=981(F)

5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 23-25=-10, 14-25=-155(F=-145), 1-2=-65, 2-13=-25
Concentrated Loads (lb)
Vert: 1=-10774(F) 20=981(F)

6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 23-25=-10, 14-25=-155(F=-145), 1-2=-25, 2-13=-65
Concentrated Loads (lb)
Vert: 1=-10774(F) 20=981(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	DGR2	FLOOR GIRDER	1	2	I40223249
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:46:02 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-xpV7EghN53QHtHXLeB4lX1pV_yCe3LOfYsHvruzmEOp

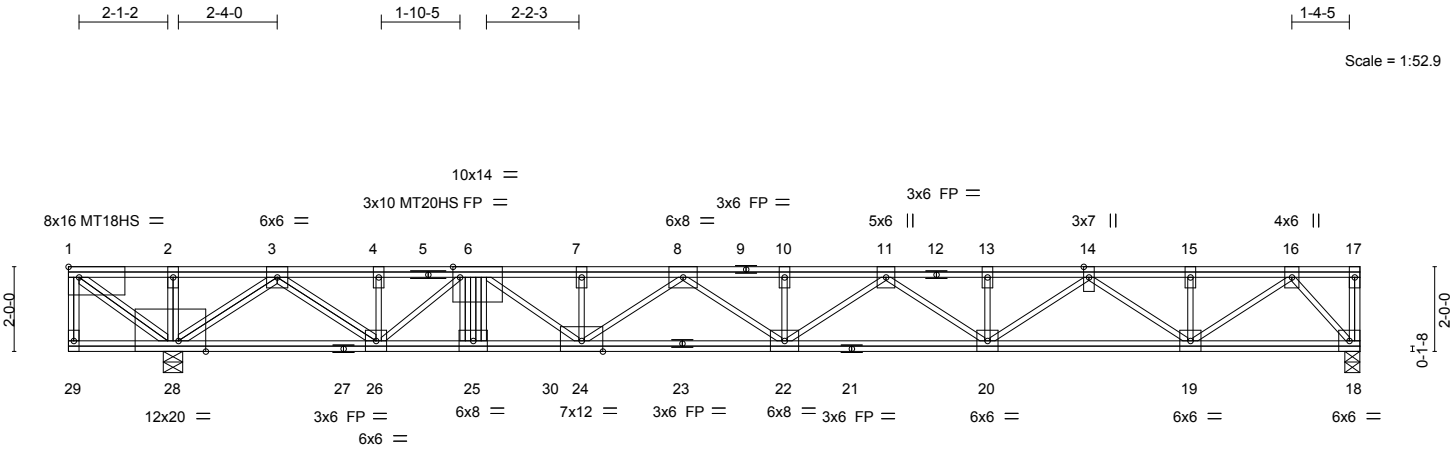


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [6:0-2-0,Edge], [28:0-7-12,Edge]

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	0.75	Vert(LL)	0.12	24-25	>999	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	0.20	24-25	>999	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	-0.05	18	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 430 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. (lb/size) 18=1192/0-4-4, 28=12970/0-5-8
Max Grav 18=1196(LC 4), 28=12970(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/14560, 2-3=0/14561, 3-4=0/11201, 4-6=0/11199, 6-7=0/6651, 7-8=0/6651, 8-10=0/2251, 10-11=0/2251, 11-13=-2171/0, 13-14=-2171/0, 14-15=-2000/0, 15-16=-2000/0
BOT CHORD 26-28=-12853/0, 25-26=-9684/0, 24-25=-9681/0, 22-24=-4400/0, 20-22=-952/1202, 19-20=0/2202, 18-19=0/845
WEBS 2-28=-305/0, 1-28=-18142/0, 3-28=-2981/0, 3-26=0/2745, 6-26=-2428/0, 6-24=0/4066, 8-24=-2998/0, 8-22=0/2708, 11-22=-1609/0, 11-20=0/1483, 14-20=-481/0, 14-19=-250/357, 16-19=0/1430, 16-18=-1307/0, 6-25=-1003/0

NOTES- (10)
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) Unbalanced floor live loads have been considered for this design.
3) All plates are MT20 plates unless otherwise indicated.
4) All plates are 3x6 MT20 unless otherwise indicated.
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) CAUTION, Do not erect truss backwards.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 10874 lb down at 0-1-8 on top chord, and 981 lb up at 9-6-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

LOAD CASE(S)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 29-30=-10, 18-30=-115(F=-105), 1-17=-65
Concentrated Loads (lb)
Vert: 1=-10874(F) 25=981(F)

February 11,2020

Continued on page 2

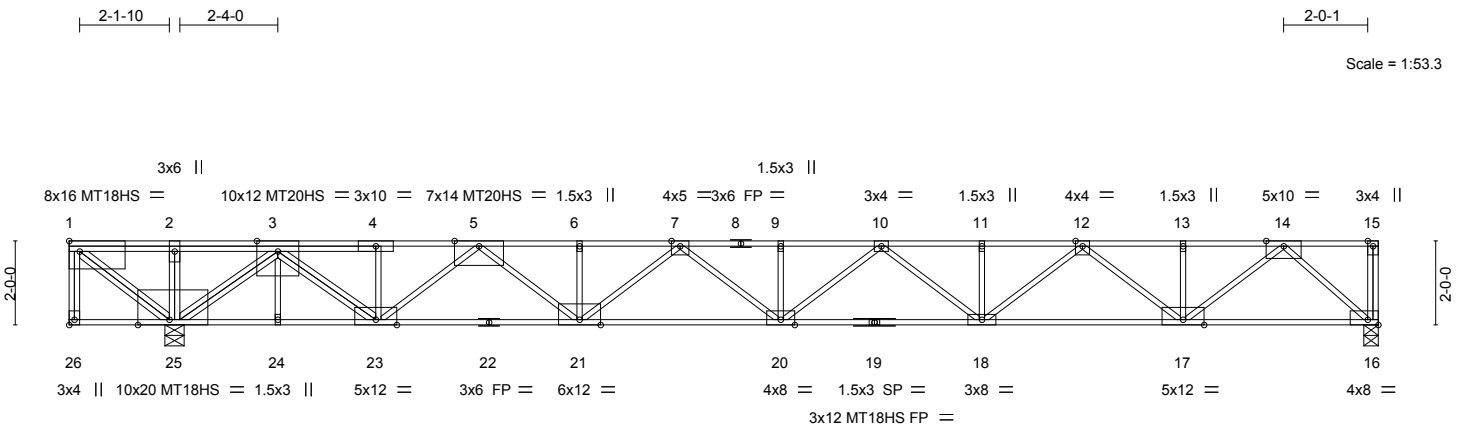
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S)

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 29-30=-10, 18-30=-115(F=-105), 1-17=-65
   Concentrated Loads (lb)
      Vert: 1=-10874(F) 25=981(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 29-30=-10, 18-30=-115(F=-105), 1-2=-65, 2-17=-25
   Concentrated Loads (lb)
      Vert: 1=-10874(F) 25=981(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 29-30=-10, 18-30=-115(F=-105), 1-2=-25, 2-17=-65
   Concentrated Loads (lb)
      Vert: 1=-10874(F) 25=981(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 29-30=-10, 18-30=-115(F=-105), 1-2=-65, 2-17=-25
   Concentrated Loads (lb)
      Vert: 1=-10874(F) 25=981(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 29-30=-10, 18-30=-115(F=-105), 1-2=-25, 2-17=-65
   Concentrated Loads (lb)
      Vert: 1=-10874(F) 25=981(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	E1	FLOOR	25	1	I40223250
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:46:03 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-P03WS0i?sNY8UR6YCvb_4ELfALMioovonW0SNKzmEOo



2-6-2 | 4-11-10 | 7-3-10 | 31-2-3
2-6-2 | 2-5-8 | 2-4-0 | 23-10-9

Plate Offsets (X,Y)-- [1:Edge,0-3-0], [16:Edge,0-1-8], [25:0-9-0,Edge], [26:Edge,0-1-8]

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	0.79	Vert(LL)	0.37	20-21	>919	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.73	18-20	>467	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.10	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 155 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.

REACTIONS. (lb/size) 25=8150/0-5-8, 16=1689/0-4-2
Max Grav 25=8150(LC 1), 16=1697(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7013, 2-3=0/7014, 3-4=0/3562, 4-5=0/3553, 5-6=-2871/1110, 6-7=-2871/1110, 7-9=-4855/0, 9-10=-4855/0, 10-11=-5005/0, 11-12=-5005/0, 12-13=-3327/0, 13-14=-3327/0
BOT CHORD 24-25=-5224/0, 23-24=-5224/0, 21-23=-2241/1157, 20-21=-259/4063, 18-20=0/5130, 17-18=0/4367, 16-17=0/1763
WEBS 2-25=-418/0, 1-25=-8797/0, 3-25=-3986/0, 3-23=0/3398, 4-23=-341/0, 5-23=-2731/0, 5-21=0/2190, 6-21=-311/0, 7-21=-1526/0, 7-20=0/1019, 9-20=-309/0, 10-20=-538/0, 10-18=-158/342, 11-18=-309/0, 12-18=0/811, 12-17=-1321/0, 13-17=-306/0, 14-17=0/1985, 14-16=-2350/0

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 19 = 11%
4) 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.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5199 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: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5199(F)

February 11,2020

Continued on page 2

16023 Swingley Ridge Rd
Chesterfield, MO 63017

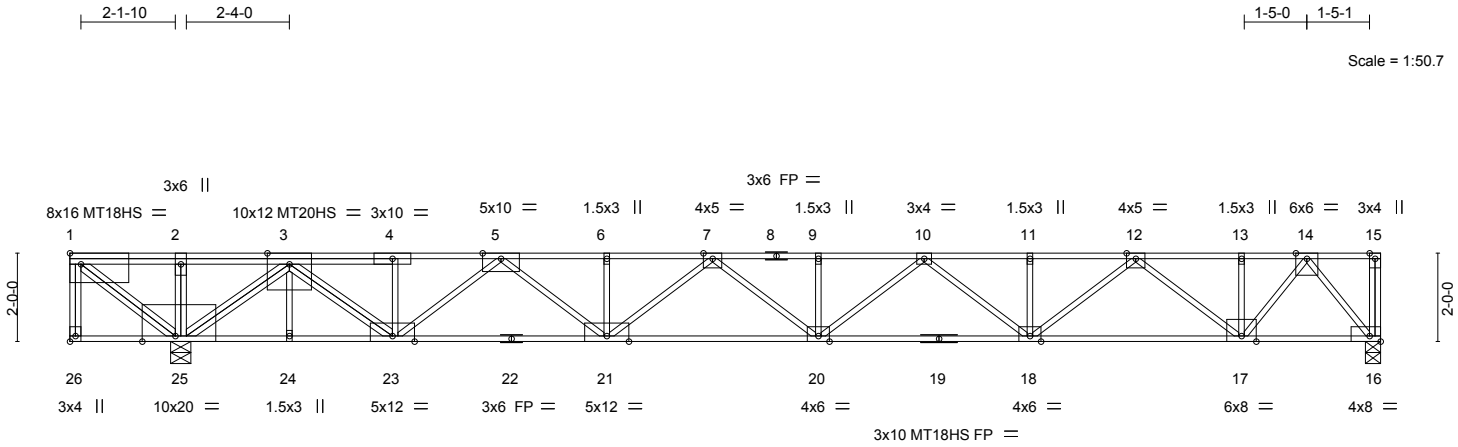
LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	E2	FLOOR	9	1	I40223251
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:46:04 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-tCcufMidchg?6bhkmc6DcSuqxlk3XF9y0Am?vnzmEOn



2-6-2 | 4-11-10 | 7-3-10 | 29-8-3
2-6-2 | 2-5-8 | 2-4-0 | 22-4-9

Plate Offsets (X,Y)-- [1:Edge,0-3-0], [16:Edge,0-1-8], [25:0-9-0,Edge], [26:Edge,0-1-8]

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	0.79	Vert(LL)	0.33	20-21	>972	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.54	18-20	>599	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	-0.09	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 150 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 5-11-9 oc bracing.

REACTIONS. (lb/size) 25=8062/0-5-8, 16=1552/0-4-2
Max Grav 25=8062(LC 1), 16=1560(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/7013, 2-3=0/7014, 3-4=0/3632, 4-5=0/3623, 5-6=-2419/1251, 6-7=-2419/1251, 7-9=-4179/0, 9-10=-4179/0, 10-11=-4107/0, 11-12=-4107/0, 12-13=-2188/0, 13-14=-2188/0
BOT CHORD 24-25=-5261/0, 23-24=-5261/0, 21-23=-2347/818, 20-21=-436/3499, 18-20=0/4343, 17-18=0/3354, 16-17=0/1198
WEBS 1-25=-8797/0, 3-25=-3840/0, 3-23=0/3263, 4-23=-346/0, 5-23=-2588/0, 5-21=0/2048, 6-21=-310/0, 7-21=-1384/0, 7-20=0/877, 9-20=-309/0, 10-20=-495/0, 10-18=-300/299, 11-18=-307/0, 12-18=0/956, 12-17=-1480/0, 13-17=-256/0, 14-17=0/1598, 14-16=-1885/0, 2-25=-417/0

NOTES- (8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Load case(s) 1, 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.
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) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5199 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5199(F)

February 11,2020

Continued on page 2

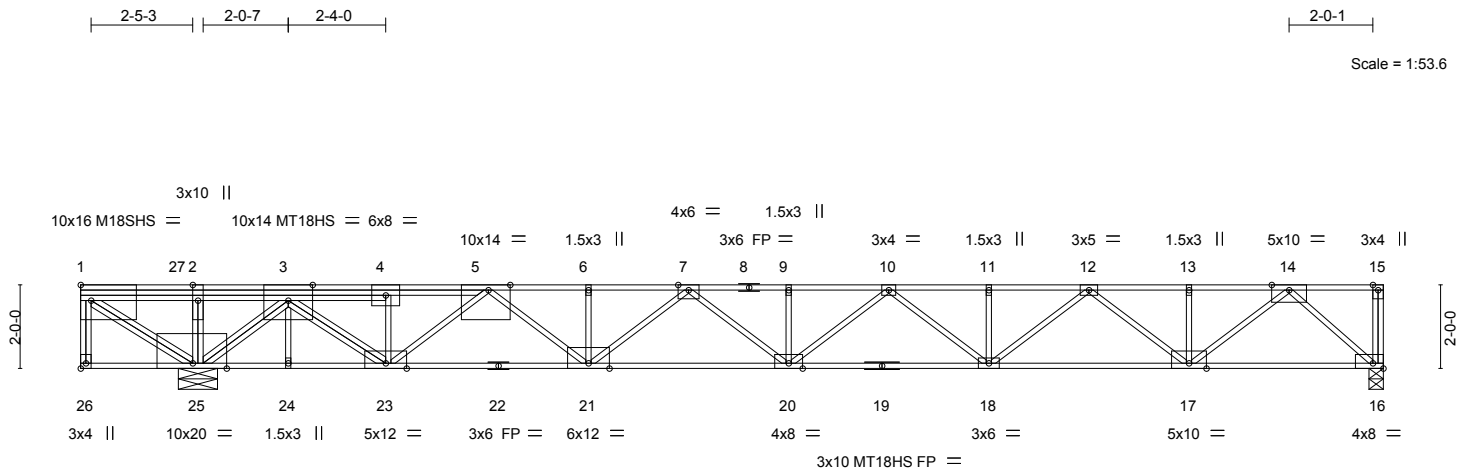
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-130, 2-15=-50
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-2=-50, 2-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	E3	FLOOR	4	1	I40223252
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:46:06 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-qbke42kt8lwiLvq6t18hhtzCqZOj?8bETUF6_fzmEOl



2-9-11	4-11-10	7-3-10	31-2-3
2-9-11	2-1-15	2-4-0	23-10-9

Plate Offsets (X,Y)-- [1:Edge,0-4-8], [5:0-6-4,Edge], [16:Edge,0-1-8], [25:0-9-12,Edge], [26:Edge,0-1-8]

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	0.64	Vert(LL)	0.40	20-21	>841	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.64	18-20	>531	240	M18SHS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	-0.11	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 164 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 2-2-0 oc bracing.

REACTIONS. (lb/size) 25=8229/0-11-4, 16=1610/0-4-2
Max Grav 25=8229(LC 1), 16=1620(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/8047, 2-3=0/8044, 3-4=0/4730, 4-5=0/4733, 5-6=-2097/1797, 6-7=-2092/1795, 7-9=-4272/74, 9-10=-4272/74, 10-11=-4621/0, 11-12=-4621/0, 12-13=-3141/0, 13-14=-3141/0
BOT CHORD 24-25=-6344/0, 23-24=-6344/0, 21-23=-3218/127, 20-21=-858/3379, 18-20=0/4646, 17-18=0/4082, 16-17=0/1677
WEBS 2-25=-522/0, 3-25=-3814/0, 3-23=0/3483, 1-25=-9623/0, 5-23=-2922/0, 5-21=0/2422, 6-21=-275/0, 7-21=-1651/0, 7-20=0/1149, 9-20=-310/0, 10-20=-649/0, 10-18=-32/453, 11-18=-309/0, 12-18=-109/685, 12-17=-1195/0, 13-17=-306/0, 14-17=0/1859, 14-16=-2234/0

NOTES- (8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Load case(s) 1, 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.
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) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5199 lb down at 0-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5199(F)

February 11,2020

Continued on page 2

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: 16-26=-20, 1-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-27=-130, 15-27=-50
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-27=-50, 15-27=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-27=-130, 15-27=-50
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-27=-50, 15-27=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	E4	FLOOR SPECIAL	7	1	I40223253
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:46:07 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-InI0HOlVvc2Zz2PJRkfwE4WNZzkIkbrOi8?gW6zmEOk

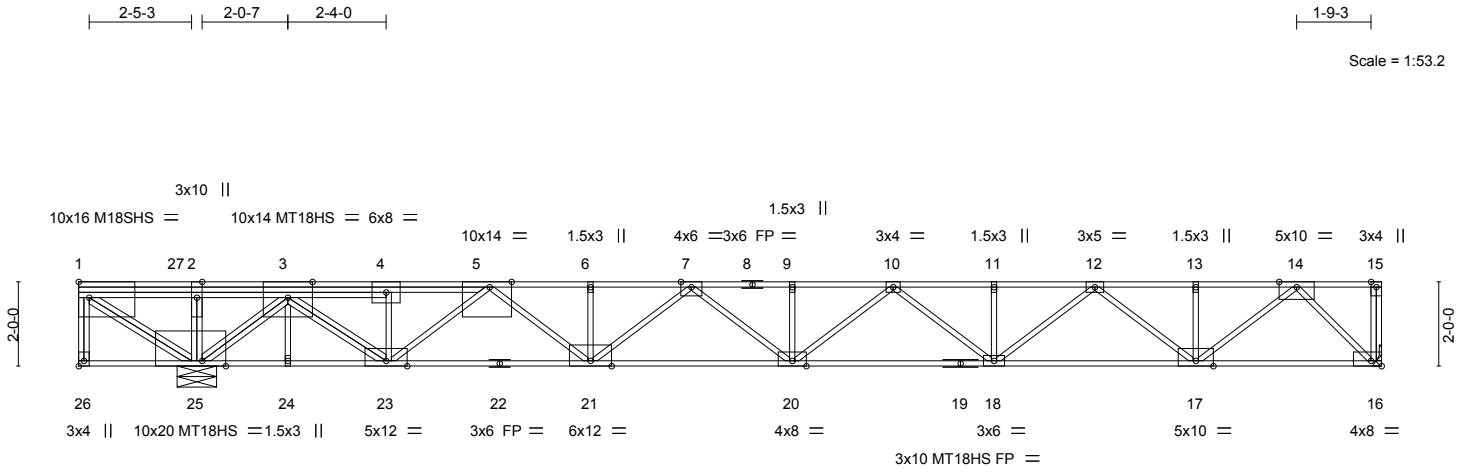


Plate Offsets (X,Y)-- [1:Edge,0-4-8], [5:0-6-4,Edge], [16:Edge,0-1-8], [25:0-6-12,Edge], [26:Edge,0-1-8]

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	0.64	Vert(LL)	-0.63	20	>534	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.61	18-20	>554	240	M18SHS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.13	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 163 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 4-10-1 oc bracing.

REACTIONS. (lb/size) 16=1588/Mechanical, 25=8215/0-11-4
Max Grav 16=1598(LC 4), 25=8215(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/8045, 2-3=0/8042, 3-4=0/4739, 4-5=0/4742, 5-6=-2029/1816, 6-7=-2025/1814, 7-9=-4169/103, 9-10=-4169/103, 10-11=-4484/0, 11-12=-4484/0, 12-13=-2968/0, 13-14=-2968/0
BOT CHORD 24-25=-6348/0, 23-24=-6348/0, 21-23=-3231/77, 20-21=-882/3295, 18-20=0/4527, 17-18=0/3926, 16-17=0/1484
WEBS 2-25=-522/0, 1-25=-9621/0, 3-25=-3793/0, 3-23=0/3460, 5-23=-2902/0, 5-21=0/2401, 6-21=-277/0, 7-21=-1629/0, 7-20=0/1127, 9-20=-310/0, 10-20=-642/0, 10-18=-54/447, 11-18=-310/0, 12-18=-100/709, 12-17=-1216/0, 13-17=-310/0, 14-17=0/1884, 14-16=-2090/0

NOTES- (9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) 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.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5199 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: 16-26=-20, 1-15=-130
Concentrated Loads (lb)
Vert: 1=-5199(F)

February 11,2020

Continued on page 2

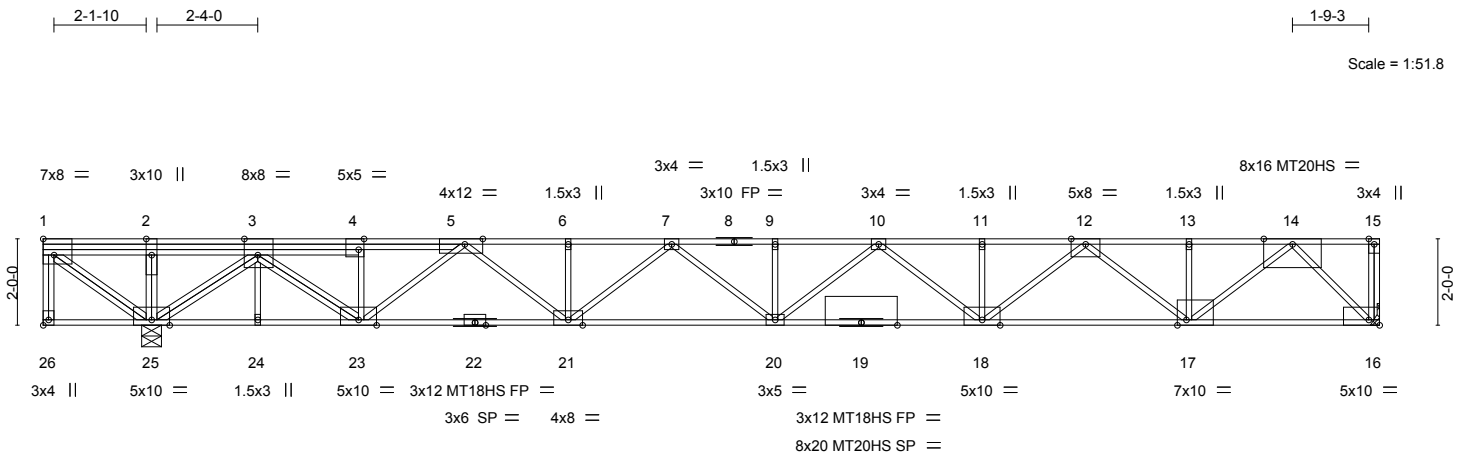
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-15=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-27=-130, 15-27=-50
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-27=-50, 15-27=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-27=-130, 15-27=-50
   Concentrated Loads (lb)
      Vert: 1=-5199(F)
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 16-26=-20, 1-27=-50, 15-27=-130
   Concentrated Loads (lb)
      Vert: 1=-5199(F)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - 2nd Floor
63377	E5	FLOOR SPECIAL	2	1	I40223254
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Jan 22 2020 MiTek Industries, Inc. Tue Feb 11 10:46:09 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-EAQni4mmRDIHCMZhY9iOJVbfGmPgCUnh9SUmb_zmEOi



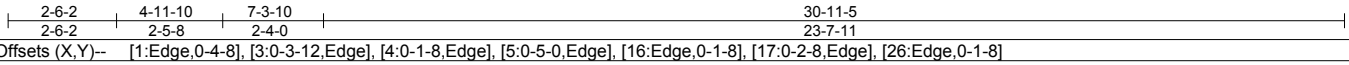


Plate Offsets (X,Y)-- [1:Edge,0-4-8], [3:0-3-12,Edge], [4:0-1-8,Edge], [5:0-5-0,Edge], [16:Edge,0-1-8], [17:0-2-8,Edge], [26:Edge,0-1-8]

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	0.88	Vert(LL)	-0.52	20	>655	480	MT20	197/144
TCDL	25.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.97	20-21	>349	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.19	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 163 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat) *Except* 1-5,1-4: 2x4 SPF 1650F 1.4E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(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, Except:
2-2-0 oc bracing: 20-21,18-20.

REACTIONS. (lb/size) 16=2107/Mechanical, 25=2497/0-5-8
Max Grav 16=2115(LC 4), 25=2497(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-4762/0, 4-5=-4768/0, 5-6=-7178/0, 6-7=-7172/0, 7-9=-7994/0, 9-10=-7994/0, 10-11=-6987/0, 11-12=-6987/0, 12-13=-4149/0, 13-14=-4149/0
BOT CHORD 24-25=0/2592, 23-24=0/2592, 21-23=0/6133, 20-21=0/7779, 18-20=0/7690, 17-18=0/5768, 16-17=0/2006
WEBS 2-25=-455/0, 3-25=-3226/0, 3-23=0/2730, 4-23=-449/0, 5-23=-1771/0, 5-21=0/1286, 7-21=-785/0, 7-20=0/286, 9-20=-311/0, 10-20=0/385, 10-18=-893/0, 11-18=-309/0, 12-18=0/1548, 12-17=-2056/0, 13-17=-310/0, 14-17=0/2722, 14-16=-2825/0

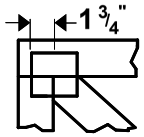
NOTES- (7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) The Fabrication Tolerance at joint 22 = 11%, joint 19 = 11%
4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced 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.

February 11,2020

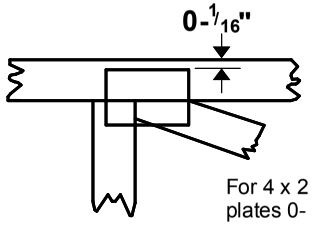
16023 Swingley Ridge Rd
Chesterfield, MO 63017

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.

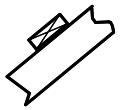
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

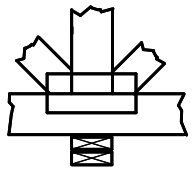
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

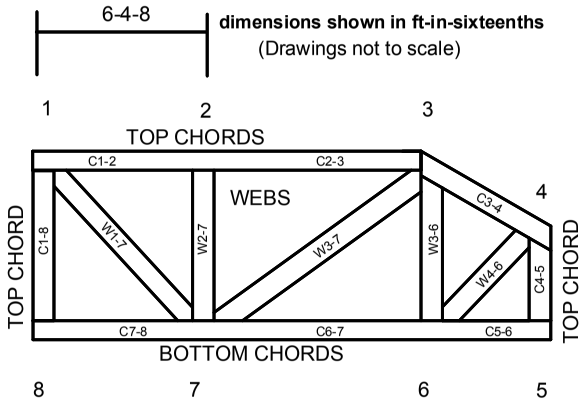


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

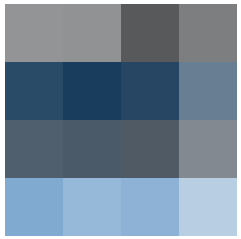
PRODUCT CODE APPROVALS

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.



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.