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

Re: 63379
Cannery Trails - Roof

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: I40748901 thru I40748966

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: Ryan Schultz
Luis C. Pérez Tato
Kurt Frey
Date: 04.07.2020

March 25,2020

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 - Roof
63379	A1	MONOPITCH	26	1	I40748901
					Job Reference (optional)

Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 09:19:37 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-?KOGcl64UfJQZeXyt_TryYfm14cCBnN9ggx3GCzXRK4

6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	36-0-0
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	6-1-11

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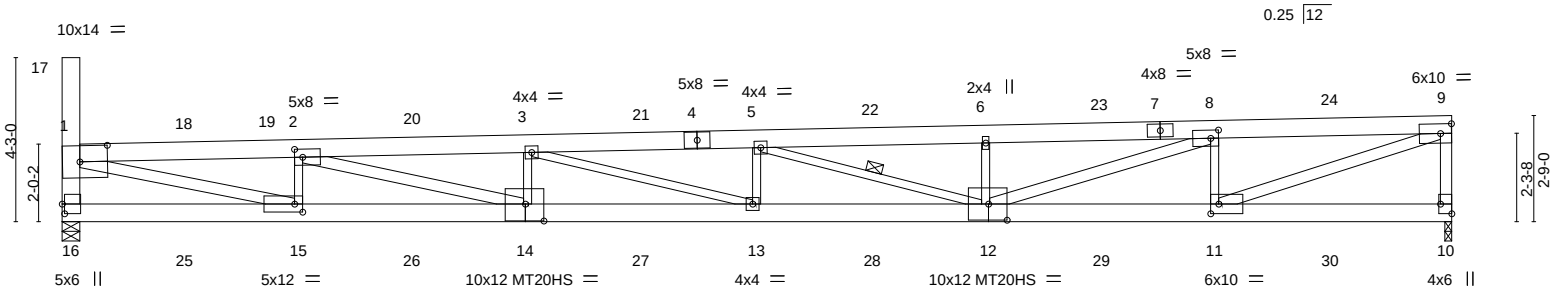

6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	36-0-0
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	6-1-11

Plate Offsets (X,Y)-- [1:0-8-10,0-5-0], [2:0-2-8,0-2-8], [8:0-2-7,0-2-9], [9:0-3-7,0-3-0], [10:Edge,0-3-8], [11:0-2-8,0-3-0], [12:0-5-12,0-5-0], [14:0-5-12,0-5-4], [15:0-2-8,0-2-8], [16:0-3-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-1.17	13-14	>366	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.68	Vert(CT)	-1.72	13-14	>248	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.14	10	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.31	13	>999	240	Weight: 199 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x6 SPF 1650F 1.4E
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x3 SPF No.2 *Except*
16-17: 2x6 SPF 1650F 1.4E, 9-10,2-14,8-12: 2x4 SPF No.2
1-15,9-11: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except [PS] end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-10 oc bracing.
WEBS 1 Row at midpt 5-12

REACTIONS. (lb/size) 16=2306/0-5-8, 10=2214/0-2-2
Max Horz 16=181(LC 5)
Max Uplift 16=-433(LC 4), 10=-433(LC 5)

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

TOP CHORD 1-16=-2140/416, 1-18=-6494/1357, 18-19=-6485/1358, 2-19=-6481/1358, 2-20=-9717/1942, 3-20=-9710/1943, 3-21=-10230/2012, 4-21=-10223/2012, 4-5=-10220/2012, 5-22=-8578/1670, 6-22=-8571/1670, 6-23=-8555/1668, 7-23=-8549/1668, 7-8=-8546/1669, 8-24=-5171/997, 9-24=-5164/998, 9-10=-2116/426

BOT CHORD 16-25=-316/498, 15-25=-316/498, 15-26=-1408/6483, 14-26=-1408/6483, 14-27=-1994/9734, 13-27=-1994/9734, 13-28=-2054/10221, 12-28=-2054/10221, 12-29=-1028/5163, 11-29=-1028/5163

WEBS 1-15=-1215/6187, 2-15=-1573/337, 2-14=-691/3353, 3-14=-777/193, 3-13=-136/509, 5-12=-1734/362, 6-12=-605/145, 8-12=-719/3608, 8-11=-1832/394, 9-11=-1060/5400

NOTES- (11)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 433 lb uplift at joint 16 and 433 lb uplift at joint 10.
8) Load case(s) 1, 2, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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.

March 25,2020

LOAD CASE(S) Standard Except:

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard Except:

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-104, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-144(F=-40)-to-19=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-9=-83, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-128(F=-45)-to-2=-82(F=1)
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 2-9=-90, 10-16=-20
   Horz: 1-16=-11, 1-17=18, 1-9=7, 9-10=-16
   Trapezoidal Loads (plf)
   Vert: 1=-135(F=-45)-to-2=-89(F=1)
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 2-9=-90, 10-16=-20
   Horz: 1-16=16, 1-17=-28, 1-9=7, 9-10=11
   Trapezoidal Loads (plf)
   Vert: 1=-135(F=-45)-to-2=-89(F=1)
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-60, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-100(F=-40)-to-19=-60

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	I40748902
63379	A2	MONOPITCH	2	1	Job Reference (optional)	

Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 09:20:24 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-7Nk2TpgYQ5Elisd_7LptMT5oK1eTi144TUq3P_zXRJL

6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	35-9-8
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	5-11-3

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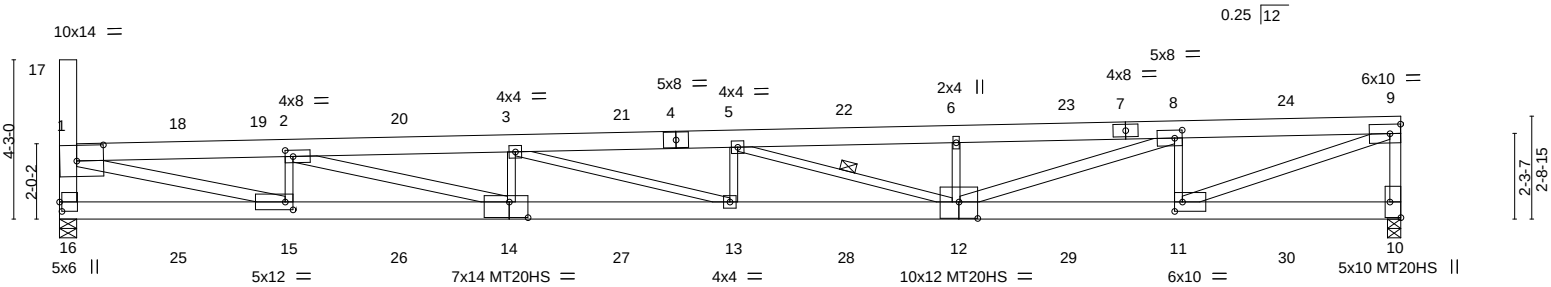


6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	35-9-8
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	5-11-3

Plate Offsets (X,Y)-- [1:0-8-10,0-5-0], [2:0-2-8,0-2-0], [8:0-2-7,0-2-9], [9:0-3-7,0-3-0], [10:Edge,0-3-8], [11:0-2-8,0-3-0], [12:0-6-0,0-5-4], [14:0-6-0,0-5-0], [15:0-2-8,0-2-8], [16:0-3-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-1.15	13-14	>369	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.66	Vert(CT)	-1.70	13-14	>250	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.15	10	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.30	13	>999	240	Weight: 192 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x6 SPF 1650F 1.4E

BOT CHORD 2x6 SP 2400F 2.0E *Except*
10-12: 2x6 SPF 1650F 1.4E

WEBS 2x3 SPF No.2 *Except*
16-17: 2x6 SPF 1650F 1.4E, 9-10,2-14,8-12: 2x4 SPF No.2
1-15,9-11: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except [PS] end verticals.

BOT CHORD Rigid ceiling directly applied or 7-4-3 oc bracing.

WEBS 1 Row at midpt 5-12

REACTIONS. (lb/size) 16=2305/0-5-8, 10=2201/0-4-4
Max Horz 16=181(LC 5)
Max Uplift 16=-430(LC 4), 10=-431(LC 5)

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

TOP CHORD 1-16=-2139/414, 1-18=-6462/1349, 18-19=-6452/1349, 2-19=-6448/1349, 2-20=-9642/1926, 3-20=-9636/1927, 3-21=-10113/1988, 4-21=-10107/1988, 4-5=-10104/1988, 5-22=-8457/1646, 6-22=-8451/1646, 6-23=-8435/1644, 7-23=-8428/1644, 7-8=-8425/1645, 8-24=-5005/965, 9-24=-4999/965, 9-10=-2115/426

BOT CHORD 16-25=-316/500, 15-25=-316/500, 15-26=-1399/6451, 14-26=-1399/6451, 14-27=-1978/9659, 13-27=-1978/9659, 13-28=-2030/10104, 12-28=-2030/10104, 12-29=-996/4998, 11-29=-996/4998

WEBS 1-15=-1207/6153, 2-15=-1564/335, 2-14=-684/3308, 3-14=-763/190, 3-13=-128/466, 5-12=-1738/363, 6-12=-611/146, 8-12=-728/3656, 8-11=-1830/393, 9-11=-1032/5257

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint 16 and 431 lb uplift at joint 10.
7) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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.

March 25,2020

LOAD CASE(S) Standard

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-104, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-19=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-83, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-19=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 9-19=-90, 10-16=-20
   Horz: 1-16=-11, 1-17=18, 1-9=7, 9-10=-16
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-19=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 9-19=-90, 10-16=-20
   Horz: 1-16=16, 1-17=-28, 1-9=7, 9-10=11
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-19=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-60, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-19=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 1=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 18=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 20=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 21=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 22=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 23=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 24=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20

Continued on page 3

LOAD CASE(S) Standard

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 28=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 29=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

Continued on page 4

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 30=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 16=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	
63379	A3	MONOPITCH	2	1	Job Reference (optional)	I40748903

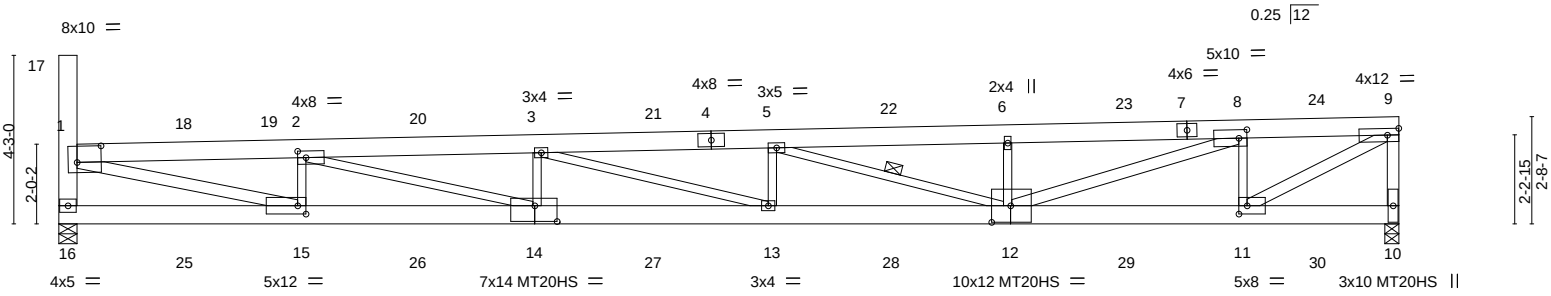
Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 09:21:12 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-jceBYEFf6rHySEIDxRg7Ja41VN2NxlU8WySb5CzXRIb

6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	33-9-8
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	3-11-3

Scale = 1:58.1



6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	33-9-8
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	3-11-3

Plate Offsets (X,Y)-- [1:0-7-5,0-4-14], [2:0-2-8,0-2-0], [8:0-2-7,0-2-9], [9:0-3-7,0-2-0], [11:0-2-8,0-2-8], [12:0-5-12,0-5-0], [14:0-6-12,0-4-12], [15:0-2-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.95	13-14	>421	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.61	Vert(CT)	-1.40	13-14	>286	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.13	10	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.25	13-14	>999	240	Weight: 180 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x6 SPF 1650F 1.4E
BOT CHORD 2x6 SP 2400F 2.0E *Except*
10-12: 2x6 SPF 1650F 1.4E
WEBS 2x3 SPF No.2 *Except*
16-17: 2x6 SPF 1650F 1.4E, 9-10,8-12,9-11: 2x4 SPF No.2
1-15: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-4-5 oc purlins, except [PS] end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-2 oc bracing.
WEBS 1 Row at midpt 5-12

REACTIONS. (lb/size) 16=2181/0-5-8, 10=2078/0-4-4
Max Horz 16=181(LC 5)
Max Uplift 16=-407(LC 4), 10=-408(LC 5)

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

TOP CHORD 1-16=-2031/394, 1-18=-6090/1277, 18-19=-6081/1277, 2-19=-6077/1278, 2-20=-8795/1763, 3-20=-8789/1763, 3-21=-8991/1770, 4-21=-8986/1770, 4-5=-8983/1770, 5-22=-7032/1368, 6-22=-7026/1368, 6-23=-7010/1366, 7-23=-7003/1366, 7-8=-7000/1367, 8-24=-3349/649, 9-24=-3344/649, 9-10=-2035/405

BOT CHORD 16-25=-310/467, 15-25=-310/467, 15-26=-1326/6080, 14-26=-1326/6080, 14-27=-1813/8809, 13-27=-1813/8809, 13-28=-1811/8984, 12-28=-1811/8984, 12-29=-672/3343, 11-29=-672/3343

WEBS 1-15=-1143/5802, 2-15=-1443/312, 2-14=-590/2814, 3-14=-657/171, 5-12=-2057/425, 6-12=-618/149, 8-12=-776/3900, 8-11=-1831/388, 9-11=-752/3826

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 407 lb uplift at joint 16 and 408 lb uplift at joint 10.
7) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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

WISCONSIN
XUEGANG
LIU
35869
ST. LOUIS
MO
PROFESSIONAL ENGINEER

March 25,2020

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-104, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-19=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-83, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-19=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 9-19=-90, 10-16=-20
   Horz: 1-16=-12, 1-17=19, 1-9=7, 9-10=-16
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-19=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 9-19=-90, 10-16=-20
   Horz: 1-16=16, 1-17=-28, 1-9=7, 9-10=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-19=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-60, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-19=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 1=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 18=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 20=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 21=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 22=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 23=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 24=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20

Continued on page 3

LOAD CASE(S) Standard

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 28=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 29=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

Continued on page 4

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 30=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 16=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	
63379	A4	MONOPITCH	2	1	Job Reference (optional)	I40748904

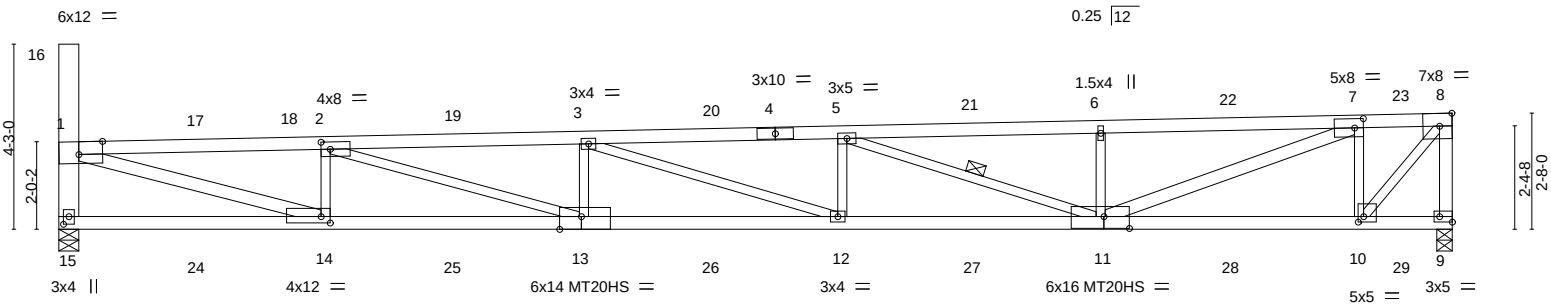
Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 09:22:46 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-yhJjHNOdzj7ckhUHSAMA6P_?xG3KzGf_7aEaPlzXRH7

6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	32-0-0
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	2-1-11

Scale = 1:52.9



6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	32-0-0
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	2-1-11

Plate Offsets (X,Y)-- [1:0-6-9,Edge], [2:0-2-8,0-2-0], [7:0-2-7,0-2-9], [8:0-3-7,Edge], [9:Edge,0-1-8], [10:0-1-8,0-1-8], [11:0-7-0,0-3-4], [13:0-6-0,Edge], [14:0-2-8,0-1-12], [15:0-2-2,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	42.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.94	12-13	>403	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.87	Vert(CT)	-1.40	12-13	>271	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.17	9	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.25	12-13	>999	240	Weight: 120 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.4E *Except*
1-4: 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF 2100F 1.8E *Except*
9-11: 2x4 SPF No.2

WEBS 2x3 SPF No.2 *Except*
15-16: 2x6 SPF 1650F 1.4E, 8-9,7-11: 2x4 SPF No.2
1-14: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals. [PS]

BOT CHORD Rigid ceiling directly applied or 6-3-13 oc bracing.

WEBS 1 Row at midpt 5-11

REACTIONS. (lb/size) 15=2069/0-5-8, 9=1967/0-4-4
Max Horz 15=184(LC 5)
Max Uplift 15=-387(LC 4), 9=-388(LC 5)

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

TOP CHORD 1-15=-1990/386, 1-17=-5370/1134, 17-18=-5362/1134, 2-18=-5356/1134, 2-19=-7565/1522, 3-19=-7558/1522, 3-20=-7487/1475, 4-20=-7481/1475, 4-5=-7478/1475, 5-21=-5414/1051, 6-21=-5407/1051, 6-22=-5393/1050, 7-22=-5386/1050, 7-23=-1706/345, 8-23=-1704/345, 8-9=-1960/384

BOT CHORD 15-24=-259/218, 14-24=-259/218, 14-25=-1183/5361, 13-25=-1183/5361, 13-26=-1572/7574, 12-26=-1572/7574, 12-27=-1517/7479, 11-27=-1517/7479, 11-28=-351/1701, 10-28=-351/1701

WEBS 1-14=-1059/5357, 2-14=-1397/307, 2-13=-493/2300, 3-13=-568/154, 5-11=-2194/453, 6-11=-632/152, 7-11=-789/3965, 7-10=-1903/402, 8-10=-515/2615

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 387 lb uplift at joint 15 and 388 lb uplift at joint 9.
7) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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.

March 25,2020

Continued on page 2

LOAD CASE(S) Standard

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 8-18=-104, 9-15=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-18=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 8-18=-83, 9-15=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-18=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 8-18=-90, 9-15=-20
   Horz: 1-15=-12, 1-16=19, 1-8=7, 8-9=-16
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-18=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 8-18=-90, 9-15=-20
   Horz: 1-15=16, 1-16=-28, 1-8=7, 8-9=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-18=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 8-18=-60, 9-15=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-18=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 1=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 17=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 19=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 20=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 21=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 22=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 23=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20

Continued on page 3

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 28=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

Continued on page 4

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 29=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	
63379	A5	MONOPITCH	54	1	Job Reference (optional)	I40748905

Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 09:24:06 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-d49z3jMp8ICFKzcf8zowMHIgNWMWiStlX0cpC6zXRFt

6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	32-11-3
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	3-0-14

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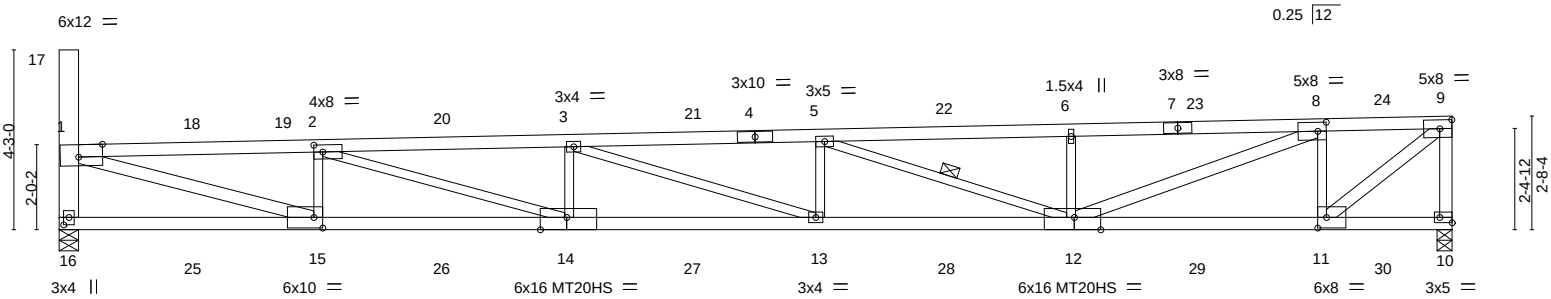


6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	32-11-3
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	3-0-14

Plate Offsets (X,Y)-- [1:0-6-13,Edge], [2:0-2-8,0-2-0], [8:0-2-7,0-2-9], [9:0-3-7,0-2-8], [10:Edge,0-1-8], [11:0-2-8,0-3-0], [12:0-7-8,Edge], [14:0-7-8,Edge], [15:0-2-8,0-3-0], [16:0-2-2,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	42.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.97	13-14	>403	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.91	Vert(CT)	-1.44	13-14	>271	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.19	10	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.26	13-14	>999	240	Weight: 127 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.4E *Except*
1-4: 2x4 DF 2400F 2.0E, 4-7: 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF 2100F 1.8E *Except*
10-12: 2x4 SPF No.2

WEBS 2x3 SPF No.2 *Except*
16-17: 2x6 SPF 1650F 1.4E, 9-10,8-12,9-11: 2x4 SPF No.2
1-15: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-1-0 oc purlins, except [PS] end verticals.

BOT CHORD Rigid ceiling directly applied or 6-2-4 oc bracing.

WEBS 1 Row at midpt 5-12

REACTIONS. (lb/size) 16=2127/0-5-8, 10=2025/0-4-4
Max Horz 16=184(LC 5)
Max Uplift 16=-398(LC 4), 10=-398(LC 5)

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

TOP CHORD 1-16=-2048/397, 1-18=-5553/1169, 18-19=-5545/1169, 2-19=-5539/1169, 2-20=-7910/1589, 3-20=-7903/1589, 3-21=-7976/1570, 4-21=-7969/1570, 4-5=-7966/1571, 5-22=-6042/1174, 6-22=-6035/1175, 6-7=-6021/1173, 7-23=-6014/1173, 8-23=-6014/1173, 8-24=-2436/480, 9-24=-2432/480, 9-10=-2003/397

BOT CHORD 16-25=-259/223, 15-25=-259/223, 15-26=-1219/5544, 14-26=-1219/5544, 14-27=-1640/7920, 13-27=-1640/7920, 13-28=-1613/7968, 12-28=-1613/7968, 12-29=-494/2430, 11-29=-494/2430

WEBS 1-15=-1093/5541, 2-15=-1448/317, 2-14=-524/2470, 3-14=-619/164, 5-12=-2046/423, 6-12=-637/153, 8-12=-768/3855, 8-11=-1870/395, 9-11=-613/3115

NOTES- (11)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 16 = 18%
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 398 lb uplift at joint 16 and 398 lb uplift at joint 10.
8) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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.

March 25,2020

Continued on page 2

LOAD CASE(S) Standard

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-104, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-19=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-83, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-19=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 9-19=-90, 10-16=-20
   Horz: 1-16=-12, 1-17=19, 1-9=7, 9-10=-16
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-19=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 9-19=-90, 10-16=-20
   Horz: 1-16=16, 1-17=-28, 1-9=7, 9-10=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-19=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-60, 10-16=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-19=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 1=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 18=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 20=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 21=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 22=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 23=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 24=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20

Continued on page 3

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 28=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 29=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

Continued on page 4

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 30=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 16=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	I40748906
63379	A6	MONOPITCH	12	1	Job Reference (optional)	

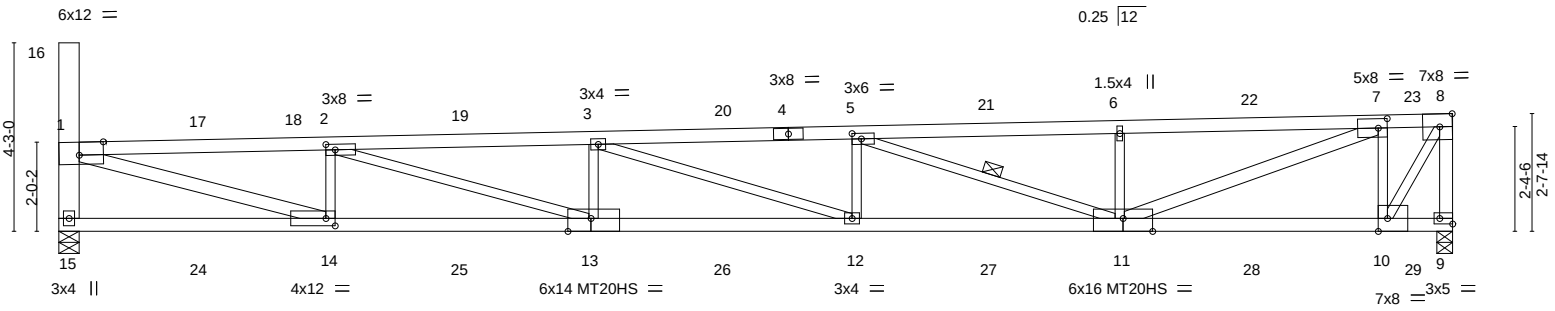
Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 09:24:47 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-wz7TglsXUuNRlHEX141YWwUiR2M_p_Lnyv1T8EzXRFE

6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	31-5-3
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	1-6-14

Scale = 1:52.0



6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	31-5-3
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	1-6-14

Plate Offsets (X,Y)-- [1:0-6-9,Edge], [2:0-2-8,0-1-8], [5:0-2-8,0-1-8], [7:0-2-7,0-2-9], [8:0-3-7,Edge], [9:Edge,0-1-8], [10:0-2-8,Edge], [11:0-8-0,Edge], [13:0-6-4,Edge], [14:0-2-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.89	12-13	>419	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.85	Vert(CT)	-1.32	12-13	>282	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.16	9	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.24	12-13	>999	240	Weight: 118 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.4E *Except*
1-4: 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF 2100F 1.8E *Except*
9-11: 2x4 SPF No.2

WEBS 2x3 SPF No.2 *Except*
15-16: 2x6 SPF 1650F 1.4E, 8-9,7-11: 2x4 SPF No.2
1-14: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-6 oc purlins, except [PS] end verticals.

BOT CHORD Rigid ceiling directly applied or 6-4-14 oc bracing.

WEBS 1 Row at midpt 5-11

REACTIONS. (lb/size) 15=2034/0-5-8, 9=1932/0-4-4
Max Horz 15=184(LC 5)
Max Uplift 15=-381(LC 4), 9=-381(LC 5)

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

TOP CHORD 1-15=-1956/379, 1-17=-5258/1112, 17-18=-5249/1112, 2-18=-5244/1112, 2-19=-7354/1481, 3-19=-7347/1481, 3-20=-7188/1416, 4-20=-7182/1416, 4-5=-7179/1417, 5-21=-5035/977, 6-21=-5029/977, 6-22=-5014/976, 7-22=-5008/976, 7-23=-1263/263, 8-23=-1262/263, 8-9=-1933/374

BOT CHORD 15-24=-259/217, 14-24=-259/217, 14-25=-1162/5249, 13-25=-1162/5249, 13-26=-1530/7362, 12-26=-1530/7362, 12-27=-1458/7180, 11-27=-1458/7180, 11-28=-264/1258, 10-28=-264/1258

WEBS 1-14=-1038/5241, 2-14=-1364/301, 2-13=-474/2197, 3-13=-538/149, 3-12=-281/114, 5-12=-16/264, 5-11=-2278/469, 6-11=-630/152, 7-11=-803/4034, 7-10=-1945/412, 8-10=-469/2385

NOTES- (11)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 15 = 18%
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 15 and 381 lb uplift at joint 9.
8) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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.

Continued on page 2

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 8-18=-104, 9-15=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-18=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 8-18=-83, 9-15=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-18=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 8-18=-90, 9-15=-20
   Horz: 1-15=-12, 1-16=19, 1-8=7, 8-9=-17
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-18=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 8-18=-90, 9-15=-20
   Horz: 1-15=17, 1-16=-28, 1-8=7, 8-9=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-18=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 8-18=-60, 9-15=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-18=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 1=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 17=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 19=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 20=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 21=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 22=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 8-18=-20, 9-15=-20
   Concentrated Loads (lb)
   Vert: 23=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-18=-20

Continued on page 3

LOAD CASE(S) Standard

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 28=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

Continued on page 4

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 29=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 8-18=-20, 9-15=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-18=-20

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	
63379	A7	MONOPITCH	8	1	Job Reference (optional)	I40748907

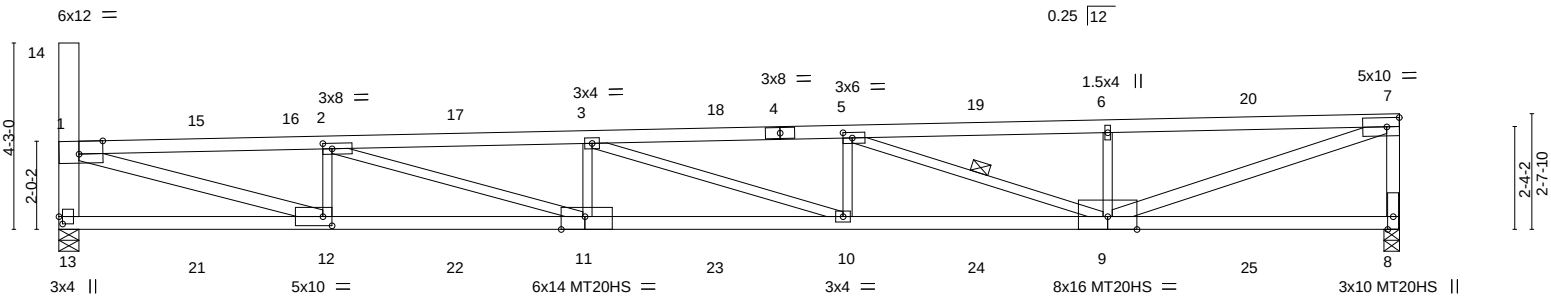
Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 09:51:52 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-rbpnjOWqnA6tC?zrksgctclPq5yD3xpzdDAygYzXQrr

6-1-8	12-0-11	17-11-15	23-11-2	30-3-8	30-7-0
6-1-8	5-11-3	5-11-3	5-11-3	6-4-6	0-3-8

Scale = 1:52.6



6-1-8	12-0-11	17-11-15	23-11-2	30-7-0
6-1-8	5-11-3	5-11-3	5-11-3	6-7-14

Plate Offsets (X,Y)-- [1:0-6-9,Edge], [2:0-2-8,0-1-8], [5:0-2-8,0-1-8], [7:0-3-7,0-2-8], [11:0-6-8,Edge], [12:0-2-8,0-2-8], [13:0-2-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.81	10-11	>447	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.91	Vert(CT)	-1.21	10-11	>300	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.16	8	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.22	10-11	>999	240	Weight: 113 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF 2100F 1.8E *Except*
11-13: 2x4 SPF 1650F 1.4E, 8-9: 2x4 SPF No.2

WEBS 2x3 SPF No.2 *Except*
13-14: 2x6 SPF 1650F 1.4E, 7-8: 2x4 SPF No.2
1-12,7-9: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except [PS] end verticals.

BOT CHORD Rigid ceiling directly applied or 6-6-7 oc bracing.

WEBS 1 Row at midpt 5-9

REACTIONS. (lb/size) 13=1981/0-5-8, 8=1879/0-4-4
Max Horz 13=184(LC 5)
Max Uplift 13=-371(LC 4), 8=-371(LC 5)

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

TOP CHORD 1-13=-1907/371, 1-15=-5090/1080, 15-16=-5082/1080, 2-16=-5076/1080, 2-17=-7047/1421, 3-17=-7041/1422, 3-18=-6730/1327, 4-18=-6724/1327, 4-5=-6721/1328, 5-19=-4532/878, 6-19=-4521/878, 6-20=-4534/882, 7-20=-4526/882, 7-8=-1808/372

BOT CHORD 13-21=-257/210, 12-21=-257/210, 12-22=-1129/5081, 11-22=-1129/5081, 11-23=-1470/7054, 10-23=-1470/7054, 10-24=-1368/6723, 9-24=-1368/6723

WEBS 1-12=-1007/5076, 2-12=-1313/292, 2-11=-447/2052, 3-11=-492/140, 3-10=-349/107, 5-10=-26/277, 5-9=-2329/480, 6-9=-694/168, 7-9=-934/4695

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 371 lb uplift at joint 13 and 371 lb uplift at joint 8.
7) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

March 25,2020

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 7-16=-104, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-149(F=-45)-to-16=-104

2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-16=-83, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-117(F=-34)-to-16=-83

9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-16=-90, 8-13=-20
Horz: 1-13=-12, 1-14=19, 1-7=7, 7-8=-17
Trapezoidal Loads (plf)
Vert: 1=-124(F=-34)-to-16=-90

10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-16=-90, 8-13=-20
Horz: 1-13=17, 1-14=-29, 1-7=7, 7-8=12
Trapezoidal Loads (plf)
Vert: 1=-124(F=-34)-to-16=-90

11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-16=-60, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-105(F=-45)-to-16=-60

12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 1=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 17=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 18=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 19=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 20=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 3

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 21=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

Continued on page 4

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	I40748908
63379	A8	MONOPITCH	13	1	Job Reference (optional)	

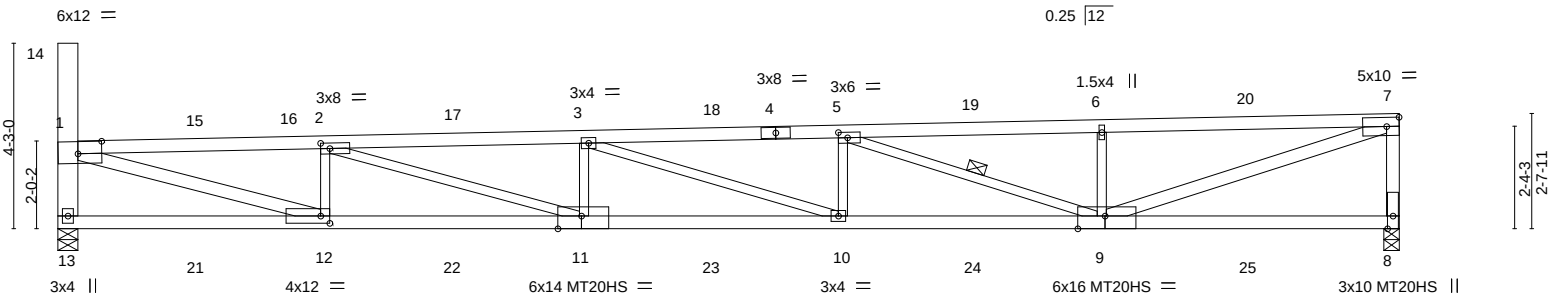
Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 09:59:47 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-Rz0MQpGnw7yTh?n837i?dmTagZ6jrmRurckbrWzXQkQ

6-1-8	12-0-11	17-11-15	23-11-2	30-8-15
6-1-8	5-11-3	5-11-3	5-11-3	6-9-13

Scale = 1:52.8



6-1-8	12-0-11	17-11-15	23-11-2	30-8-15
6-1-8	5-11-3	5-11-3	5-11-3	6-9-13

Plate Offsets (X,Y)-- [1:0-6-9,0-3-5], [2:0-2-8,0-1-8], [5:0-2-8,0-1-8], [7:0-3-7,0-2-8], [9:0-7-8,Edge], [11:0-6-8,Edge], [12:0-2-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.82	10-11	>447	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.82	Vert(CT)	-1.21	10-11	>300	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.15	8	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.22	10-11	>999	240	Weight: 114 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF 2100F 1.8E *Except*
8-9: 2x4 SPF No.2

WEBS 2x3 SPF No.2 *Except*
13-14: 2x6 SPF 1650F 1.4E, 7-8: 2x4 SPF No.2
1-12,7-9: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except [PS] end verticals.

BOT CHORD Rigid ceiling directly applied or 6-6-3 oc bracing.

WEBS 1 Row at midpt 5-9

REACTIONS. (lb/size) 13=1991/0-5-8, 8=1889/0-4-4
Max Horz 13=184(LC 5)
Max Uplift 13=-373(LC 4), 8=-373(LC 5)

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

TOP CHORD 1-13=-1913/372, 1-15=-5121/1086, 15-16=-5113/1086, 2-16=-5107/1086, 2-17=-7102/1432, 3-17=-7095/1432, 3-18=-6815/1344, 4-18=-6808/1344, 4-5=-6805/1344, 5-19=-4619/895, 6-19=-4607/895, 6-20=-4597/893, 7-20=-4589/894, 7-8=-1817/374

BOT CHORD 13-21=-259/216, 12-21=-259/216, 12-22=-1135/5112, 11-22=-1135/5112, 11-23=-1480/7109, 10-23=-1480/7109, 10-24=-1385/6807, 9-24=-1385/6807

WEBS 1-12=-1012/5101, 2-12=-1325/294, 2-11=-451/2076, 3-11=-502/142, 3-10=-326/100, 5-10=-25/274, 5-9=-2323/479, 6-9=-705/171, 7-9=-944/4751

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 373 lb uplift at joint 13 and 373 lb uplift at joint 8.
7) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

March 25,2020

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 7-16=-104, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-149(F=-45)-to-16=-104

2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-16=-83, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-117(F=-34)-to-16=-83

9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-16=-90, 8-13=-20
Horz: 1-13=-12, 1-14=19, 1-7=7, 7-8=-17
Trapezoidal Loads (plf)
Vert: 1=-124(F=-34)-to-16=-90

10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-16=-90, 8-13=-20
Horz: 1-13=17, 1-14=-29, 1-7=7, 7-8=12
Trapezoidal Loads (plf)
Vert: 1=-124(F=-34)-to-16=-90

11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-16=-60, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-105(F=-45)-to-16=-60

12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 1=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 17=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 18=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 19=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 20=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 3

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 21=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

Continued on page 4

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	
63379	A9	MONOPITCH	13	1	Job Reference (optional)	I40748909

Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:00:31 2020 Page 1

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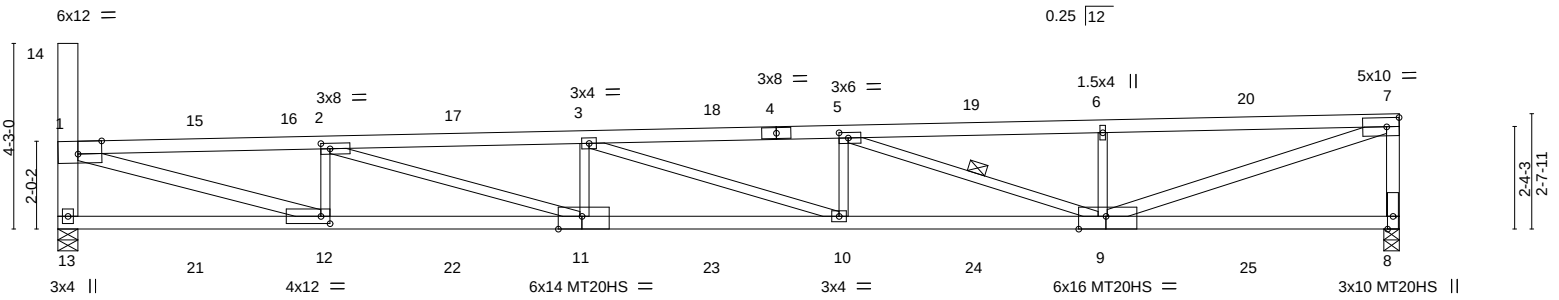
6-1-8	12-0-11	17-11-15	23-11-2	30-8-10
6-1-8	5-11-3	5-11-3	5-11-3	6-9-8

Scale = 1:52.8



6-1-8	12-0-11	17-11-15	23-11-2	30-8-10
6-1-8	5-11-3	5-11-3	5-11-3	6-9-8

Plate Offsets (X,Y)-- [1:0-6-9,Edge], [2:0-2-8,0-1-8], [5:0-2-8,0-1-8], [7:0-3-7,0-2-8], [9:0-7-8,Edge], [11:0-6-8,Edge], [12:0-2-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.81	10-11	>448	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.82	Vert(CT)	-1.21	10-11	>301	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.15	8	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.22	10-11	>999	240	Weight: 113 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF 2100F 1.8E *Except*
8-9: 2x4 SPF No.2

WEBS 2x3 SPF No.2 *Except*
13-14: 2x6 SPF 1650F 1.4E, 7-8: 2x4 SPF No.2
1-12,7-9: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except [PS] end verticals.

BOT CHORD Rigid ceiling directly applied or 6-6-3 oc bracing.

WEBS 1 Row at midpt 5-9

REACTIONS. (lb/size) 13=1990/0-5-8, 8=1888/0-4-4
Max Horz 13=184(LC 5)
Max Uplift 13=-372(LC 4), 8=-373(LC 5)

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

TOP CHORD 1-13=-1912/371, 1-15=-5116/1085, 15-16=-5107/1085, 2-16=-5102/1085, 2-17=-7092/1430, 3-17=-7085/1430, 3-18=-6801/1341, 4-18=-6795/1341, 4-5=-6792/1341, 5-19=-4600/891, 6-19=-4589/892, 6-20=-4579/890, 7-20=-4571/890, 7-8=-1815/373

BOT CHORD 13-21=-259/216, 12-21=-259/216, 12-22=-1134/5107, 11-22=-1134/5107, 11-23=-1478/7099, 10-23=-1478/7099, 10-24=-1382/6794, 9-24=-1382/6794

WEBS 1-12=-1011/5096, 2-12=-1323/294, 2-11=-450/2071, 3-11=-500/142, 3-10=-327/101, 5-10=-25/275, 5-9=-2328/480, 6-9=-704/170, 7-9=-941/4735

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 372 lb uplift at joint 13 and 373 lb uplift at joint 8.
7) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

March 25,2020

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 7-16=-104, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-149(F=-45)-to-16=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-16=-83, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-117(F=-34)-to-16=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-16=-90, 8-13=-20
Horz: 1-13=-12, 1-14=19, 1-7=7, 7-8=-17
Trapezoidal Loads (plf)
Vert: 1=-124(F=-34)-to-16=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-16=-90, 8-13=-20
Horz: 1-13=17, 1-14=-29, 1-7=7, 7-8=12
Trapezoidal Loads (plf)
Vert: 1=-124(F=-34)-to-16=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-16=-60, 8-13=-20
Trapezoidal Loads (plf)
Vert: 1=-105(F=-45)-to-16=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 1=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 17=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 18=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 19=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 20=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20
19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 3

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 21=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

Continued on page 4

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	
63379	AGR1	MONOPITCH	2	2	Job Reference (optional)	I40748910

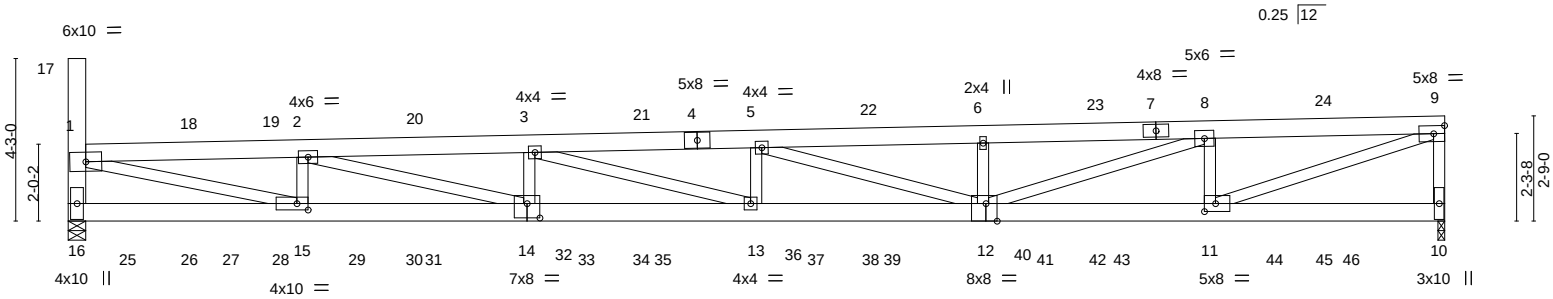
Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:01:36 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-kx6ZI4b9Fch0Glc4xW9ZYlUL2VLlu52xv4esAizXQij

6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	36-0-0
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	6-1-11

Scale = 1:60.3



6-1-8	12-0-11	17-11-15	23-11-2	29-10-5	36-0-0
6-1-8	5-11-3	5-11-3	5-11-3	5-11-3	6-1-11

Plate Offsets (X,Y)-- [9:0-3-7,0-2-8], [11:0-3-8,0-2-8], [12:0-3-8,Edge], [14:0-4-0,0-4-8], [15:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.66	13-14	>644	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.66	Vert(CT)	-1.00	13-14	>429	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.10	10	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.60	13-14	>718	240	Weight: 370 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF 1650F 1.4E
BOT CHORD	2x6 SPF 1650F 1.4E
WEBS	2x4 SPF No.2 *Except* 16-17: 2x6 SPF 1650F 1.4E

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-4-12 oc purlins, except end verticals. [PS]
BOT CHORD	Rigid ceiling directly applied or 7-3-9 oc bracing.

REACTIONS. (lb/size) 16=2427/0-5-8, 10=2342/0-2-2
Max Horz 16=181(LC 5)
Max Uplift 16=-1398(LC 4), 10=-1472(LC 5)

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

TOP CHORD 1-16=-2267/1224, 1-18=-6861/4229, 18-19=-6852/4230, 2-19=-6848/4230, 2-20=-10221/6260, 3-20=-10216/6261, 3-21=-10794/6588, 4-21=-10789/6588, 4-5=-10786/6588, 5-22=-9047/5502, 6-22=-9041/5503, 6-23=-9026/5501, 7-23=-9019/5501, 7-8=-9016/5501, 8-24=-5444/3300, 9-24=-5437/3301, 9-10=-2218/1258

BOT CHORD 16-25=-495/482, 25-26=-495/482, 26-27=-495/482, 27-28=-495/482, 15-28=-495/482, 15-29=-4278/6851, 29-30=-4278/6851, 30-31=-4278/6851, 31-32=-4278/6851, 14-32=-4278/6851, 14-33=-6314/10239, 33-34=-6314/10239, 34-35=-6314/10239, 35-36=-6314/10239, 13-36=-6314/10239, 13-37=-6630/10787, 37-38=-6630/10787, 38-39=-6630/10787, 39-40=-6630/10787, 12-40=-6630/10787, 12-41=-3331/5436, 41-42=-3331/5436, 42-43=-3331/5436, 11-43=-3331/5436

WEBS 1-15=-3993/6584, 2-15=-1611/731, 2-14=-2195/3496, 3-14=-790/281, 3-13=-404/572, 5-12=-1834/1143, 6-12=-607/150, 8-12=-2349/3818, 8-11=-1895/908, 9-11=-3474/5689

NOTES- (12)

1) 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:
   Top chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc, 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1398 lb uplift at joint 16 and 1472 lb uplift at joint 10.
9) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.

Continued on page 2

WISCONSIN
XUEGANG
LIU
35869
ST. LOUIS
MO
PROFESSIONAL ENGINEER

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (12)

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 13 lb down and 110 lb up at 1-6-12, 13 lb down and 110 lb up at 3-6-12, 13 lb down and 111 lb up at 5-6-12, 13 lb down and 111 lb up at 7-6-12, 13 lb down and 111 lb up at 9-6-12, 13 lb down and 111 lb up at 11-6-12, 13 lb down and 112 lb up at 13-6-12, 13 lb down and 112 lb up at 15-6-12, 13 lb down and 112 lb up at 17-6-12, 14 lb down and 112 lb up at 19-6-12, 14 lb down and 112 lb up at 21-6-12, 14 lb down and 113 lb up at 23-6-12, 14 lb down and 113 lb up at 25-6-12, 14 lb down and 113 lb up at 27-6-12, 14 lb down and 113 lb up at 29-6-12, 14 lb down and 114 lb up at 31-6-12, and 14 lb down and 114 lb up at 33-6-12, and 29 lb down and 114 lb up at 35-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-104, 10-16=-20
   Concentrated Loads (lb)
   Vert: 10=-21(B) 11=-13(B) 25=-12(B) 27=-12(B) 28=-12(B) 29=-12(B) 31=-12(B) 32=-13(B) 33=-13(B) 35=-13(B) 36=-13(B) 37=-13(B) 39=-13(B) 40=-13(B) 41=-13(B) 43=-13(B) 44=-13(B) 46=-13(B)
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-19=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-83, 10-16=-20
   Concentrated Loads (lb)
   Vert: 10=-20(B) 11=-12(B) 25=-11(B) 27=-11(B) 28=-11(B) 29=-11(B) 31=-11(B) 32=-11(B) 33=-11(B) 35=-11(B) 36=-11(B) 37=-11(B) 39=-11(B) 40=-12(B) 41=-12(B) 43=-12(B) 44=-12(B) 46=-12(B)
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-19=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 9-19=-90, 10-16=-20
   Horz: 1-16=-11, 1-17=18, 1-9=7, 9-10=-16
   Concentrated Loads (lb)
   Vert: 10=86(B) 11=82(B) 25=80(B) 27=80(B) 28=80(B) 29=80(B) 31=80(B) 32=81(B) 33=81(B) 35=81(B) 36=81(B) 37=81(B) 39=81(B) 40=81(B) 41=82(B) 43=82(B) 44=82(B) 46=82(B)
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-19=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 9-19=-90, 10-16=-20
   Horz: 1-16=16, 1-17=-28, 1-9=7, 9-10=11
   Concentrated Loads (lb)
   Vert: 10=86(B) 11=82(B) 25=80(B) 27=80(B) 28=80(B) 29=80(B) 31=80(B) 32=81(B) 33=81(B) 35=81(B) 36=81(B) 37=81(B) 39=81(B) 40=81(B) 41=82(B) 43=82(B) 44=82(B) 46=82(B)
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-19=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 9-19=-60, 10-16=-20
   Concentrated Loads (lb)
   Vert: 10=-21(B) 11=-13(B) 25=-12(B) 27=-12(B) 28=-12(B) 29=-12(B) 31=-12(B) 32=-13(B) 33=-13(B) 35=-13(B) 36=-13(B) 37=-13(B) 39=-13(B) 40=-13(B) 41=-13(B) 43=-13(B) 44=-13(B) 46=-13(B)
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-19=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 10=-15(B) 1=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 10=-15(B) 11=-7(B) 18=-160 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 10=-15(B) 11=-7(B) 20=-160 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-19=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 9-19=-20, 10-16=-20

Continued on page 3

LOAD CASE(S) Standard

Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 21=-160 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 22=-160 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 23=-160 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 24=-160 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 9=-160 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 2=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 3=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 5=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 6=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 8=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

Continued on page 4

LOAD CASE(S) Standard

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 25=-7(B) 26=-160 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 30=-160 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 34=-160 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 38=-160 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 42=-160 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 45=-160 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 16=-160 10=-15(B) 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 15=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 14=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20

Continued on page 5

LOAD CASE(S) Standard

Concentrated Loads (lb)
Vert: 10=-15(B) 13=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)

Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 12=-160 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-15(B) 11=-167(B=-7) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 9-19=-20, 10-16=-20
Concentrated Loads (lb)
Vert: 10=-175(B=-15) 11=-7(B) 25=-7(B) 27=-7(B) 28=-7(B) 29=-7(B) 31=-7(B) 32=-7(B) 33=-7(B) 35=-7(B) 36=-7(B) 37=-7(B) 39=-7(B) 40=-7(B) 41=-7(B) 43=-7(B) 44=-7(B) 46=-7(B)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-19=-20

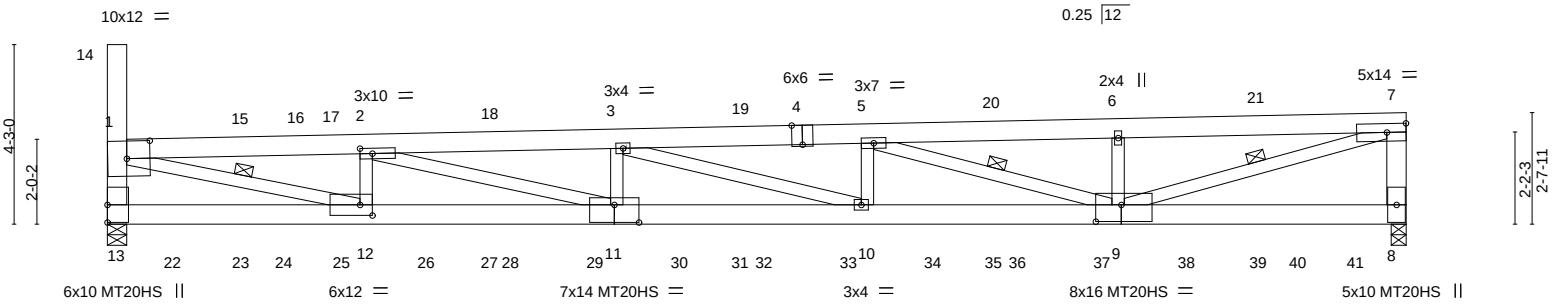
Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	
63379	AGR2	MONOPITCH	1	1	Job Reference (optional)	I40748911

Select Trusses & Lumber Inc., West Salem, WI — 8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:04:05 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-tccuZ1OcAOSsefVjAJKV5A9kpZ6FIRAsAlEFvZzXQgO

6-1-8	12-0-11	17-11-15	23-11-2	30-8-15
6-1-8	5-11-3	5-11-3	5-11-3	6-9-13

Scale = 1:54.5



6-1-8	12-0-11	17-11-15	23-11-2	30-8-15
6-1-8	5-11-3	5-11-3	5-11-3	6-9-13

Plate Offsets (X,Y)-- [1:0-6-10,0-5-0], [2:0-3-8,0-1-8], [4:0-3-0,Edge], [7:0-5-7,0-2-8], [9:0-7-4,0-4-12], [11:0-7-0,0-5-0], [12:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.80	10-11	>457	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	1.00	Vert(CT)	-1.20	10-11	>303	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.14	8	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.73	10-11	>498	240	Weight: 159 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF 1650F 1.4E
BOT CHORD	2x6 SPF 1650F 1.4E
WEBS	2x4 SPF No.2 *Except* 13-14,7-8: 2x6 SPF 1650F 1.4E, 1-12,7-9: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-5-3 oc purlins, except [PS] end verticals.
BOT CHORD	Rigid ceiling directly applied or 3-9-13 oc bracing.
WEBS	1 Row at midpt 1-12, 5-9, 7-9

REACTIONS. (lb/size) 13=2052/0-5-8, 8=1979/0-4-4
Max Horz 13=181(LC 35)
Max Uplift 13=-1189(LC 4), 8=-1219(LC 5)
Max Grav 13=2577(LC 39), 8=2518(LC 38)

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

TOP CHORD 1-13=-2299/1023, 1-15=-7224/3513, 15-16=-7217/3513, 16-17=-7215/3513, 2-17=-7214/3514, 2-18=-10162/4901, 3-18=-10158/4902, 3-19=-9707/4665, 4-19=-9703/4665, 4-5=-9701/4666, 5-20=-6425/3076, 6-20=-6421/3077, 6-21=-6407/3075, 7-21=-6402/3075, 7-8=-2232/1027

BOT CHORD 13-22=-463/563, 22-23=-463/563, 23-24=-463/563, 24-25=-463/563, 12-25=-463/563, 12-26=-3559/7183, 26-27=-3559/7183, 27-28=-3559/7183, 28-29=-3559/7183, 11-29=-3559/7183, 11-30=-4946/10135, 30-31=-4946/10135, 31-32=-4946/10135, 32-33=-4946/10135, 10-33=-4946/10135, 10-34=-4704/9667, 34-35=-4704/9667, 35-36=-4704/9667, 36-37=-4704/9667, 9-37=-4704/9667, 9-38=-153/297, 38-39=-153/297, 39-40=-153/297, 40-41=-153/297, 8-41=-153/297

WEBS 1-12=-3295/6876, 2-12=-1378/547, 2-11=-1539/3092, 3-11=-499/205, 3-10=-489/253, 5-10=-394/637, 5-9=-3445/1672, 6-9=-657/195, 7-9=-3114/6429

NOTES- (11)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1189 lb uplift at joint 13 and 1219 lb uplift at joint 8.
7) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 38, 39 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.

March 25,2020

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (11)

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 162 lb down and 110 lb up at 1-6-12, 162 lb down and 110 lb up at 3-6-12, 162 lb down and 111 lb up at 5-6-12, 162 lb down and 111 lb up at 7-6-12, 161 lb down and 111 lb up at 9-6-12, 161 lb down and 111 lb up at 11-6-12, 161 lb down and 112 lb up at 13-6-12, 161 lb down and 112 lb up at 15-6-12, 161 lb down and 112 lb up at 17-6-12, 161 lb down and 112 lb up at 19-6-12, 161 lb down and 112 lb up at 21-6-12, 161 lb down and 113 lb up at 23-6-12, 160 lb down and 113 lb up at 25-6-12, and 160 lb down and 113 lb up at 27-6-12, and 160 lb down and 113 lb up at 29-6-12 on bottom 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) Standard Except:

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 7-16=-104, 8-13=-20
   Concentrated Loads (lb)
   Vert: 22=-12(B) 24=-12(B) 25=-12(B) 26=-12(B) 28=-12(B) 29=-13(B) 30=-13(B) 32=-13(B) 33=-13(B) 34=-13(B) 36=-13(B) 37=-13(B) 38=-13(B) 40=-13(B) 41=-14(B)
   Trapezoidal Loads (plf)
   Vert: 1=-144(F=-40)-to-16=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 7-17=-83, 8-13=-20
   Concentrated Loads (lb)
   Vert: 22=-11(B) 24=-11(B) 25=-11(B) 26=-11(B) 28=-11(B) 29=-11(B) 30=-11(B) 32=-11(B) 33=-11(B) 34=-11(B) 36=-11(B) 37=-12(B) 38=-12(B) 40=-12(B) 41=-12(B)
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-17=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 7-17=-90, 8-13=-20
   Horz: 1-13=-12, 1-14=19, 1-7=7, 7-8=-17
   Concentrated Loads (lb)
   Vert: 22=80(B) 24=80(B) 25=80(B) 26=80(B) 28=80(B) 29=81(B) 30=81(B) 32=81(B) 33=81(B) 34=81(B) 36=81(B) 37=81(B) 38=82(B) 40=82(B) 41=82(B)
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-17=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 7-17=-90, 8-13=-20
   Horz: 1-13=17, 1-14=-29, 1-7=7, 7-8=12
   Concentrated Loads (lb)
   Vert: 22=80(B) 24=80(B) 25=80(B) 26=80(B) 28=80(B) 29=81(B) 30=81(B) 32=81(B) 33=81(B) 34=81(B) 36=81(B) 37=81(B) 38=82(B) 40=82(B) 41=82(B)
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-17=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 7-16=-60, 8-13=-20
   Concentrated Loads (lb)
   Vert: 22=-12(B) 24=-12(B) 25=-12(B) 26=-12(B) 28=-12(B) 29=-13(B) 30=-13(B) 32=-13(B) 33=-13(B) 34=-13(B) 36=-13(B) 37=-13(B) 38=-13(B) 40=-13(B) 41=-14(B)
   Trapezoidal Loads (plf)
   Vert: 1=-100(F=-40)-to-16=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 7-16=-20, 8-13=-20
   Concentrated Loads (lb)
   Vert: 1=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
   Trapezoidal Loads (plf)
   Vert: 1=-60(F=-40)-to-16=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 7-16=-20, 8-13=-20
   Concentrated Loads (lb)
   Vert: 15=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
   Trapezoidal Loads (plf)
   Vert: 1=-60(F=-40)-to-16=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 7-16=-20, 8-13=-20
   Concentrated Loads (lb)
   Vert: 18=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
   Trapezoidal Loads (plf)
   Vert: 1=-60(F=-40)-to-16=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 7-16=-20, 8-13=-20

Continued on page 3

LOAD CASE(S) Standard Except:

Concentrated Loads (lb)
Vert: 19=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 20=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 21=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 7=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 2=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 3=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 5=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 6=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(B) 23=-160 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 27=-160 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

Continued on page 4

LOAD CASE(S) Standard Except:

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 31=-160 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 35=-160 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 39=-160 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 13=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 12=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 11=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 10=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 9=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 8=-160 22=-17(B) 24=-17(B) 25=-17(B) 26=-17(B) 28=-17(B) 29=-17(B) 30=-17(B) 32=-17(B) 33=-17(B) 34=-17(B) 36=-17(B) 37=-17(B) 38=-17(B) 40=-17(B) 41=-18(B)
Trapezoidal Loads (plf)
Vert: 1=-60(F=-40)-to-16=-20

38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-17=-90, 8-13=-20
Horz: 1-13=-12, 1-14=19, 1-7=7, 7-8=-17

Continued on page 5

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 22=-112(B) 24=-112(B) 25=-112(B) 26=-112(B) 28=-112(B) 29=-112(B) 30=-112(B) 32=-112(B) 33=-112(B) 34=-111(B) 36=-111(B) 37=-111(B) 38=-111(B) 40=-111(B) 41=-111(B)

Trapezoidal Loads (plf)

Vert: 1=-124(F=-34)-to-17=-90

39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 7-17=-90, 8-13=-20

Horz: 1-13=17, 1-14=-29, 1-7=7, 7-8=12

Concentrated Loads (lb)

Vert: 22=-112(B) 24=-112(B) 25=-112(B) 26=-112(B) 28=-112(B) 29=-112(B) 30=-112(B) 32=-112(B) 33=-112(B) 34=-111(B) 36=-111(B) 37=-111(B) 38=-111(B) 40=-111(B) 41=-111(B)

Trapezoidal Loads (plf)

Vert: 1=-124(F=-34)-to-17=-90

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	I40748912
63379	AGR3	MONOPITCH	1	1	Job Reference (optional)	

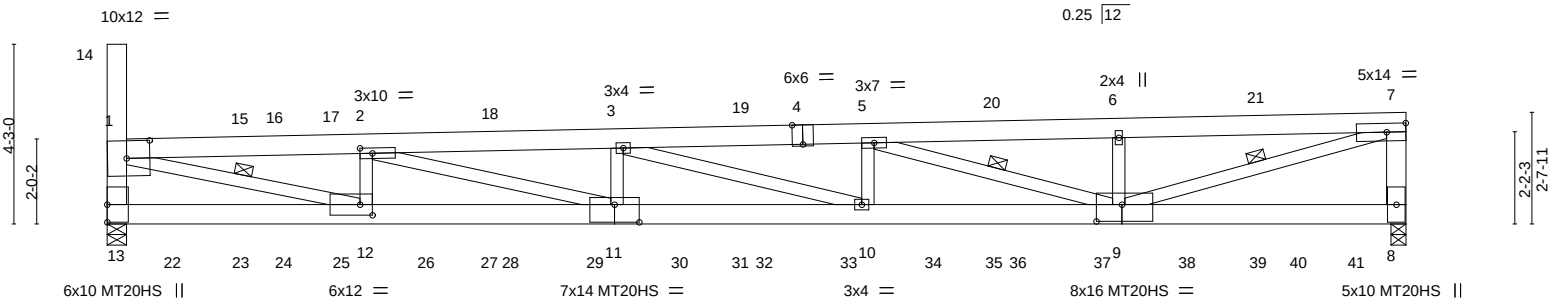
Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:04:49 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-b3GWo4wDov?dwPsAlY7ptSzFjJ7ZcK5LIcuaR0zXQfi

6-1-8	12-0-11	17-11-15	23-11-2	30-8-10
6-1-8	5-11-3	5-11-3	5-11-3	6-9-8

Scale = 1:54.5



6-1-8	12-0-11	17-11-15	23-11-2	30-8-10
6-1-8	5-11-3	5-11-3	5-11-3	6-9-8

Plate Offsets (X,Y)-- [1:0-6-10,0-5-0], [2:0-3-8,0-1-8], [4:0-3-0,Edge], [7:0-5-7,0-2-8], [9:0-7-4,0-4-12], [11:0-7-0,0-5-0], [12:0-3-8,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	42.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.79	10-11	>458	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	1.00	Vert(CT)	-1.20	10-11	>304	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.14	8	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.73	10-11	>500	240	Weight: 159 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF 1650F 1.4E
BOT CHORD	2x6 SPF 1650F 1.4E
WEBS	2x4 SPF No.2 *Except* 13-14,7-8: 2x6 SPF 1650F 1.4E, 1-12,7-9: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-5-4 oc purlins, except [PS] end verticals.
BOT CHORD	Rigid ceiling directly applied or 3-9-14 oc bracing.
WEBS	1 Row at midpt 1-12, 5-9, 7-9

REACTIONS. (lb/size) 13=2050/0-5-8, 8=1978/0-4-4
Max Horz 13=181(LC 5)
Max Uplift 13=-1188(LC 4), 8=-1219(LC 5)
Max Grav 13=2575(LC 39), 8=2518(LC 38)

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

TOP CHORD	1-13=-2297/1022, 1-15=-7217/3509, 15-16=-7209/3510, 16-17=-7209/3510, 2-17=-7206/3510, 2-18=-10148/4895, 3-18=-10144/4895, 3-19=-9688/4656, 4-19=-9683/4656, 4-5=-9681/4656, 5-20=-6400/3064, 6-20=-6396/3065, 6-21=-6382/3063, 7-21=-6377/3063, 7-8=-2231/1027
BOT CHORD	13-22=-463/563, 22-23=-463/563, 23-24=-463/563, 24-25=-463/563, 12-25=-463/563, 12-26=-3555/7175, 26-27=-3555/7175, 27-28=-3555/7175, 28-29=-3555/7175, 11-29=-3555/7175, 11-30=-4939/10121, 30-31=-4939/10121, 31-32=-4939/10121, 32-33=-4939/10121, 10-33=-4939/10121, 10-34=-4694/9647, 34-35=-4694/9647, 35-36=-4694/9647, 36-37=-4694/9647, 9-37=-4694/9647, 9-38=-152/296, 38-39=-152/296, 39-40=-152/296, 40-41=-152/296, 8-41=-152/296
WEBS	1-12=-3291/6868, 2-12=-1376/546, 2-11=-1536/3086, 3-11=-499/206, 3-10=-495/256, 5-10=-395/638, 5-9=-3451/1674, 6-9=-655/194, 7-9=-3103/6408

NOTES- (11)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1188 lb uplift at joint 13 and 1219 lb uplift at joint 8.
7) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 38, 39 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.

March 25,2020

Continued on page 2

MiTek

16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (11)

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 162 lb down and 110 lb up at 1-6-12, 162 lb down and 110 lb up at 3-6-12, 162 lb down and 111 lb up at 5-6-12, 162 lb down and 111 lb up at 7-6-12, 161 lb down and 111 lb up at 9-6-12, 161 lb down and 111 lb up at 11-6-12, 161 lb down and 112 lb up at 13-6-12, 161 lb down and 112 lb up at 15-6-12, 161 lb down and 112 lb up at 17-6-12, 161 lb down and 112 lb up at 19-6-12, 161 lb down and 112 lb up at 21-6-12, 161 lb down and 113 lb up at 23-6-12, 160 lb down and 113 lb up at 25-6-12, and 160 lb down and 113 lb up at 27-6-12, and 160 lb down and 113 lb up at 29-6-12 on bottom 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) Standard Except:

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 7-16=-104, 8-13=-20
   Concentrated Loads (lb)
   Vert: 22=-12(F) 24=-12(F) 25=-12(F) 26=-12(F) 28=-12(F) 29=-13(F) 30=-13(F) 32=-13(F) 33=-13(F) 34=-13(F) 36=-13(F) 37=-13(F) 38=-13(F) 40=-13(F) 41=-14(F)
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-16=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 7-17=-83, 8-13=-20
   Concentrated Loads (lb)
   Vert: 22=-11(F) 24=-11(F) 25=-11(F) 26=-11(F) 28=-11(F) 29=-11(F) 30=-11(F) 32=-11(F) 33=-11(F) 34=-11(F) 36=-11(F) 37=-12(F) 38=-12(F) 40=-12(F) 41=-12(F)
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-17=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 7-17=-90, 8-13=-20
   Horz: 1-13=-12, 1-14=19, 1-7=7, 7-8=-17
   Concentrated Loads (lb)
   Vert: 22=80(F) 24=80(F) 25=80(F) 26=80(F) 28=80(F) 29=81(F) 30=81(F) 32=81(F) 33=81(F) 34=81(F) 36=81(F) 37=81(F) 38=82(F) 40=82(F) 41=82(F)
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-17=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 7-17=-90, 8-13=-20
   Horz: 1-13=17, 1-14=-29, 1-7=7, 7-8=12
   Concentrated Loads (lb)
   Vert: 22=80(F) 24=80(F) 25=80(F) 26=80(F) 28=80(F) 29=81(F) 30=81(F) 32=81(F) 33=81(F) 34=81(F) 36=81(F) 37=81(F) 38=82(F) 40=82(F) 41=82(F)
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-17=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 7-16=-60, 8-13=-20
   Concentrated Loads (lb)
   Vert: 22=-12(F) 24=-12(F) 25=-12(F) 26=-12(F) 28=-12(F) 29=-13(F) 30=-13(F) 32=-13(F) 33=-13(F) 34=-13(F) 36=-13(F) 37=-13(F) 38=-13(F) 40=-13(F) 41=-14(F)
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-16=-60
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 7-16=-20, 8-13=-20
   Concentrated Loads (lb)
   Vert: 1=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F)
   36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-16=-20
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 7-16=-20, 8-13=-20
   Concentrated Loads (lb)
   Vert: 15=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F)
   36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-16=-20
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 7-16=-20, 8-13=-20
   Concentrated Loads (lb)
   Vert: 18=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F)
   36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-16=-20
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 7-16=-20, 8-13=-20
   Concentrated Loads (lb)
   Vert: 19=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F)
   36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-16=-20

Continued on page 3

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard Except:

16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 20=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 21=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 7=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 2=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 3=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 5=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 6=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(F) 23=-160 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 27=-160 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20

Continued on page 4

LOAD CASE(S) Standard Except:

Concentrated Loads (lb)
Vert: 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 31=-160 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 35=-160 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 39=-160 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 13=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 12=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 11=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 10=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 9=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 7-16=-20, 8-13=-20
Concentrated Loads (lb)
Vert: 8=-160 22=-17(F) 24=-17(F) 25=-17(F) 26=-17(F) 28=-17(F) 29=-17(F) 30=-17(F) 32=-17(F) 33=-17(F) 34=-17(F) 36=-17(F) 37=-17(F) 38=-17(F) 40=-17(F) 41=-18(F)
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-16=-20

38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 7-17=-90, 8-13=-20
Horz: 1-13=-12, 1-14=19, 1-7=7, 7-8=-17
Concentrated Loads (lb)
Vert: 22=-112(F) 24=-112(F) 25=-112(F) 26=-112(F) 28=-112(F) 29=-112(F) 30=-112(F) 32=-112(F) 33=-112(F) 34=-111(F) 36=-111(F) 37=-111(F) 38=-111(F) 40=-111(F) 41=-112(F)

Continued on page 5

LOAD CASE(S) Standard

Trapezoidal Loads (plf)

Vert: 1=-124(F=-34)-to-17=-90

39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 7-17=-90, 8-13=-20

Horz: 1-13=17, 1-14=-29, 1-7=7, 7-8=12

Concentrated Loads (lb)

Vert: 22=-112(F) 24=-112(F) 25=-112(F) 26=-112(F) 28=-112(F) 29=-112(F) 30=-112(F) 32=-112(F) 33=-112(F) 34=-111(F) 36=-111(F) 37=-111(F) 38=-111(F) 40=-111(F) 41=-112(F)

Trapezoidal Loads (plf)

Vert: 1=-124(F=-34)-to-17=-90

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	I40748913
63379	ASHR1	GABLE	8	1	Job Reference (optional)	

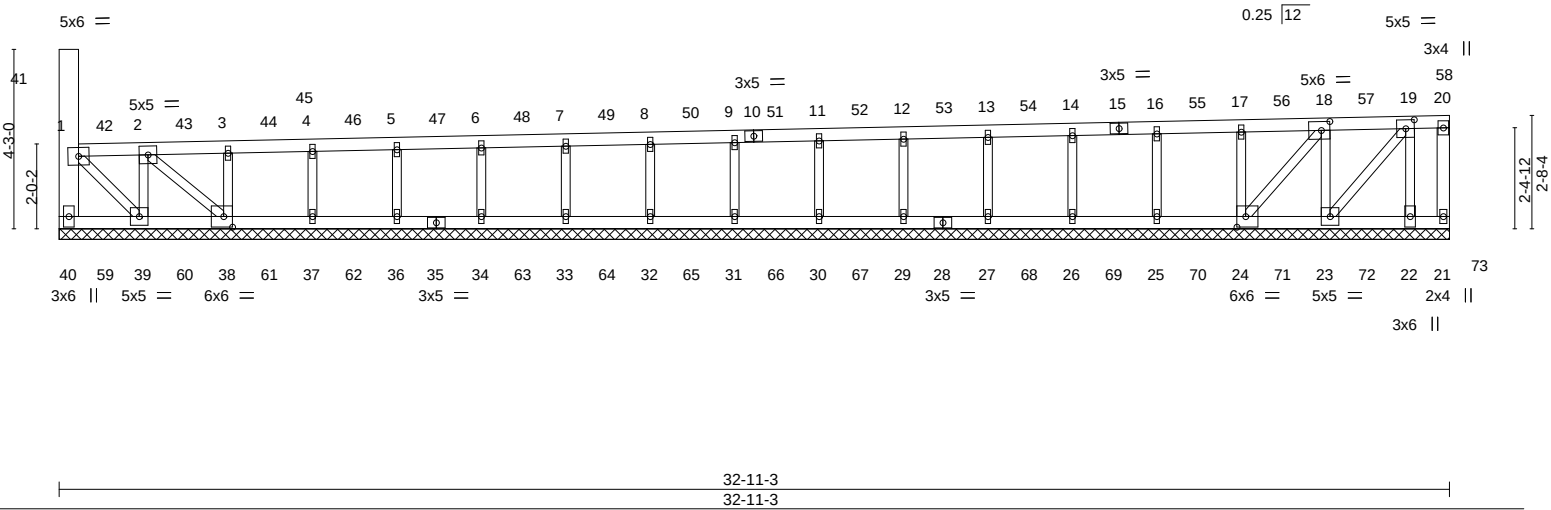
Select Trusses & Lumber Inc., West Salem, WI — 8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:06:12 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-f1nvDSxHFPSrNAi76U6HkyvTVmaeZzMZN0VTsizXQeP

32-11-3

32-11-3

Scale = 1:54.6



32-11-3

32-11-3

Plate Offsets (X,Y)-- [18:0-2-7,0-2-8], [19:0-2-7,0-2-8], [20:0-0-0,0-0-0], [21:0-0-0,0-0-0], [24:0-2-8,0-3-0], [28:0-0-0,0-0-0], [35:0-0-0,0-0-0], [38:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.45	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.02	30	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 115 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF No.2 *Except*
1-10: 2x4 SPF 1650F 1.4E
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
40-41: 2x6 SPF 1650F 1.4E, 20-21: 2x4 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-1-3 oc purlins, except [PS] end verticals.
BOT CHORD Rigid ceiling directly applied or 4-1-9 oc bracing.

REACTIONS. All bearings 32-11-3.
(lb) - Max Horz 40=184(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 37, 36, 34, 33, 32, 31, 30, 29, 27, 26, 25 except 40=-1332(LC 14), 21=-180(LC 17), 39=-199(LC 16), 38=-1338(LC 17), 24=-1599(LC 14), 23=-248(LC 17), 22=-1169(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 21, 37, 36, 34, 33, 32, 31, 30, 29, 27, 26, 25 except 40=1295(LC 21), 39=317(LC 27), 38=1352(LC 18), 24=1646(LC 21), 23=367(LC 28), 22=1209(LC 18)

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

TOP CHORD 1-40=-1266/1310, 1-42=-1247/1246, 2-42=-996/995, 2-43=-2372/2379, 3-43=-2087/2118, 3-44=-2054/2035, 44-45=-1897/1906, 4-45=-1845/1826, 4-46=-1738/1747, 5-46=-1580/1562, 5-47=-1423/1431, 6-47=-1263/1274, 6-48=-1107/1115, 7-48=-949/957, 7-49=-792/799, 8-49=-633/641, 8-50=-476/482, 9-50=-318/325, 11-52=-358/363, 12-52=-515/522, 12-53=-674/678, 13-53=-832/837, 13-54=-988/994, 14-54=-1148/1153, 14-15=-1320/1313, 15-16=-1464/1468, 16-55=-1606/1625, 17-55=-1780/1773, 17-56=-1832/1863, 18-56=-2079/2100, 18-57=-917/915, 19-57=-1057/1068
BOT CHORD 40-59=-264/261, 39-59=-450/447, 39-60=-1011/1005, 38-60=-853/847, 38-61=-2061/2072, 37-61=-1903/1914, 37-62=-1745/1729, 36-62=-1584/1598, 35-36=-1429/1440, 34-35=-1282/1255, 34-63=-1113/1124, 33-63=-955/966, 33-64=-798/808, 32-64=-640/650, 32-65=-482/493, 31-65=-324/335, 30-67=-363/374, 29-67=-521/532, 28-29=-668/679, 27-28=-837/848, 27-68=-994/1006, 26-68=-1153/1163, 26-69=-1311/1294, 25-69=-1468/1479, 25-70=-1624/1637, 24-70=-1784/1769, 24-71=-596/603, 23-71=-754/761, 23-72=-426/429
WEBS 2-39=-1299/1316, 18-23=-1594/1594, 19-22=-1238/1239, 2-38=-2003/2025, 1-39=-1740/1735, 19-23=-1764/1758, 18-24=-2070/2074

NOTES- (16)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.

Continued on page 2

WISCONSIN
XUEGANG
LIU
35869
ST. LOUIS
MO
PROFESSIONAL ENGINEER

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (16)

6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 37, 36, 34, 33, 32, 31, 30, 29, 27, 26, 25 except (jt=lb) 40=1332, 21=180, 39=199, 38=1338, 24=1599, 23=248, 22=1169.
12) Load case(s) 1, 2, 9, 10, 11, 12, 13, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
14) This truss has been designed for a total drag load of 5200 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 32-11-3 for 157.9 plf.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
16) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 20-45=-104, 21-40=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-45=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 20-45=-83, 21-40=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-45=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 20-45=-90, 21-40=-20
   Horz: 1-40=-12, 1-41=19, 1-20=7, 20-21=-16
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-45=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 20-45=-90, 21-40=-20
   Horz: 1-40=16, 1-41=-28, 1-20=7, 20-21=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-45=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 20-45=-60, 21-40=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-45=-60
12) Dead + 0.75 Snow (balanced) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 20-45=-81, 21-40=-20
   Horz: 1-42=5684, 2-42=5684, 2-43=5684, 3-43=5684, 3-44=5684, 44-45=5684, 4-45=5684, 4-46=5684, 5-46=5684, 5-47=5684, 6-47=5684, 6-48=5684, 7-48=5684, 7-49=5684, 8-49=5684, 8-50=5684, 50-51=5684, 11-51=5684, 11-52=5684, 52-53=5684, 13-53=5684, 13-54=5684, 14-54=5684, 14-15=5684, 15-16=5684, 16-55=5684, 55-56=5684, 18-56=5684, 18-57=5684, 19-57=5684, 19-58=5684, 20-58=5684
   Drag: 21-40=-118
   Trapezoidal Loads (plf)
   Vert: 1=-114(F=-34)-to-45=-81
13) Dead + 0.75 Snow (balanced) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 20-45=-85, 21-40=-20
   Horz: 1-42=-5684, 2-42=-5684, 2-43=-5684, 3-43=-5684, 3-44=-5684, 44-45=-5684, 4-45=-5684, 4-46=-5684, 5-46=-5684, 5-47=-5684, 6-47=-5684, 6-48=-5684, 7-48=-5684, 7-49=-5684, 8-49=-5684, 8-50=-5684, 50-51=-5684, 11-51=-5684, 11-52=-5684, 52-53=-5684, 13-53=-5684, 13-54=-5684, 14-54=-5684, 14-15=-5684, 15-16=-5684, 16-55=-5684, 55-56=-5684, 18-56=-5684, 18-57=-5684, 19-57=-5684, 19-58=-5684, 20-58=-5684
   Drag: 21-40=118
   Trapezoidal Loads (plf)
   Vert: 1=-119(F=-34)-to-45=-85
26) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 20-45=-87, 21-40=-20
   Horz: 1-40=-12, 1-41=19, 1-42=5691, 2-42=5691, 2-43=5691, 3-43=5691, 3-44=5691, 44-45=5691, 4-45=5691, 4-46=5691, 5-46=5691, 5-47=5691, 6-47=5691, 6-48=5691, 7-48=5691, 7-49=5691, 8-49=5691, 8-50=5691, 50-51=5691, 11-51=5691, 11-52=5691, 52-53=5691, 13-53=5691, 13-54=5691, 14-54=5691, 14-15=5691, 15-16=5691, 16-55=5691, 55-56=5691, 18-56=5691, 18-57=5691, 19-57=5691, 19-58=5691, 20-58=5691, 20-21=-16
   Drag: 21-40=-118
   Trapezoidal Loads (plf)
   Vert: 1=-121(F=-34)-to-45=-87
27) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33

Continued on page 3

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 20-45=-92, 21-40=-20
Horz: 1-40=-12, 1-41=19, 1-42=-5677, 2-42=-5677, 2-43=-5677, 3-43=-5677, 3-44=-5677, 44-45=-5677, 4-45=-5677, 4-46=-5677, 5-46=-5677, 5-47=-5677, 6-47=-5677, 6-48=-5677, 7-48=-5677, 7-49=-5677, 8-49=-5677, 8-50=-5677, 50-51=-5677, 11-51=-5677, 11-52=-5677, 52-53=-5677, 13-53=-5677, 13-54=-5677, 14-54=-5677, 14-15=-5677, 15-16=-5677, 16-55=-5677, 55-56=-5677, 18-56=-5677, 18-57=-5677, 19-57=-5677, 19-58=-5677, 20-58=-5678, 20-21=-16
Drag: 21-40=118
Trapezoidal Loads (plf)
Vert: 1=-126(F=-34)-to-45=-92

28) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 20-45=-87, 21-40=-20
Horz: 1-40=16, 1-41=-28, 1-42=5691, 2-42=5691, 2-43=5691, 3-43=5691, 3-44=5691, 44-45=5691, 4-45=5691, 4-46=5691, 5-46=5691, 5-47=5691, 6-47=5691, 6-48=5691, 7-48=5691, 7-49=5691, 8-49=5691, 8-50=5691, 50-51=5691, 11-51=5691, 11-52=5691, 52-53=5691, 13-53=5691, 13-54=5691, 14-54=5691, 14-15=5691, 15-16=5691, 16-55=5691, 55-56=5691, 18-56=5691, 18-57=5691, 19-57=5691, 19-58=5691, 20-58=5691, 20-21=12
Drag: 21-40=-118
Trapezoidal Loads (plf)
Vert: 1=-121(F=-34)-to-45=-87

29) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 20-45=-92, 21-40=-20
Horz: 1-40=16, 1-41=-28, 1-42=-5677, 2-42=-5677, 2-43=-5677, 3-43=-5677, 3-44=-5677, 44-45=-5677, 4-45=-5677, 4-46=-5677, 5-46=-5677, 5-47=-5677, 6-47=-5677, 6-48=-5677, 7-48=-5677, 7-49=-5677, 8-49=-5677, 8-50=-5677, 50-51=-5677, 11-51=-5677, 11-52=-5677, 52-53=-5677, 13-53=-5677, 13-54=-5677, 14-54=-5677, 14-15=-5677, 15-16=-5677, 16-55=-5677, 55-56=-5677, 18-56=-5677, 18-57=-5677, 19-57=-5677, 19-58=-5677, 20-58=-5678, 20-21=12
Drag: 21-40=118
Trapezoidal Loads (plf)
Vert: 1=-126(F=-34)-to-45=-92

30) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 1=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

31) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 42=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

32) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 43=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

33) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 44=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

34) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 46=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

35) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 47=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

36) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 48=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

37) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 4

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 49=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

38) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 50=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

39) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 51=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

40) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 52=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

41) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 53=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

42) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 54=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

43) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

44) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 55=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

45) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 56=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

46) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 57=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

47) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 58=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

Continued on page 5

LOAD CASE(S) Standard

48) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 20=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

49) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

50) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

51) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 4=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

52) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

53) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

54) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

55) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

56) 27th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

57) 28th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

58) 29th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

Continued on page 6

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

59) 30th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

60) 31st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

61) 32nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 16=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

62) 33rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 17=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

63) 34th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 18=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

64) 35th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 19=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

65) 36th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 59=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

66) 37th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 60=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

67) 38th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 61=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

68) 39th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 62=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

69) 40th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 35=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

Continued on page 7

LOAD CASE(S) Standard

70) 41st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 63=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

71) 42nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 64=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

72) 43rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 65=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

73) 44th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 66=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

74) 45th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 67=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

75) 46th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 28=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

76) 47th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 68=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

77) 48th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 69=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

78) 49th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 70=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

79) 50th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 71=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

80) 51st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 72=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

Continued on page 8

LOAD CASE(S) Standard

81) 52nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 73=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

82) 53rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 40=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

83) 54th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 39=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

84) 55th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 38=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

85) 56th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 37=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

86) 57th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 36=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

87) 58th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 34=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

88) 59th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 33=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

89) 60th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 32=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

90) 61st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 31=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

91) 62nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 30=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

Continued on page 9

LOAD CASE(S) Standard

92) 63rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 29=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

93) 64th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

94) 65th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

95) 66th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

96) 67th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

97) 68th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

98) 69th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

99) 70th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 20-45=-20, 21-40=-20
Concentrated Loads (lb)
Vert: 21=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-45=-20

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	I40748914
63379	ASHR2	GABLE	4	1	Job Reference (optional)	

Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:06:52 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-UkC0c7QNriVAAJmpStqgMOZK3uHUw36RaEBaGOzXQdn

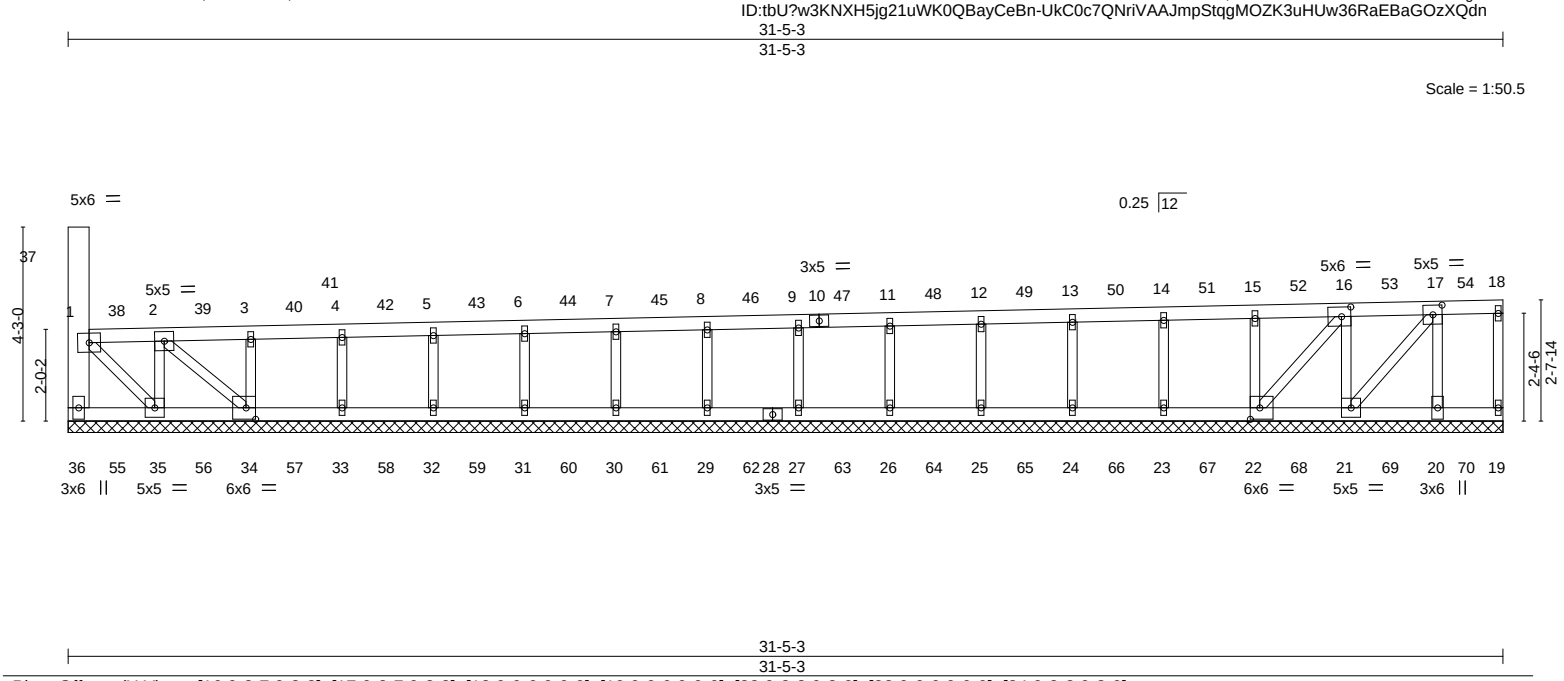


Plate Offsets (X,Y)-- [16:0-2-7,0-2-8], [17:0-2-7,0-2-8], [18:0-0-0,0-0-0], [19:0-0-0,0-0-0], [22:0-2-8,0-3-0], [28:0-0-0,0-0-0], [34:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.29	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.02	27	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH							Weight: 109 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.4E
BOT CHORD	2x4 SPF 1650F 1.4E
WEBS	2x3 SPF No.2 *Except* 36-37: 2x6 SPF 1650F 1.4E
OTHERS	2x3 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-6-9 oc purlins, except [PS] end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 4-11-9 oc bracing: 33-34 5-5-4 oc bracing: 32-33 5-4-10 oc bracing: 22-23.

REACTIONS. All bearings 31-5-3.

(lb) - Max Horz 36=184(LC 16)

Max Uplift All uplift 100 lb or less at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except 36=-1319(LC 14), 35=-192(LC 16), 34=-1318(LC 17), 22=-1610(LC 14), 21=-238(LC 17), 20=-1327(LC 17)

Max Grav All reactions 250 lb or less at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except 36=1282(LC 21), 35=311(LC 27), 34=1332(LC 18), 22=1656(LC 21), 21=361(LC 28), 20=1369(LC 18)

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

TOP CHORD 1-36=-1253/1297, 1-38=-1235/1234, 2-38=-971/971, 2-39=-2321/2330, 3-39=-2023/2058, 3-40=-1989/1970, 40-41=-1824/1834, 4-41=-1769/1751, 4-42=-1658/1668, 5-42=-1492/1474, 5-43=-1327/1337, 6-43=-1159/1171, 6-44=-997/1005, 7-44=-831/840, 7-45=-666/674, 8-45=-500/509, 8-46=-336/343, 11-47=-369/377, 11-48=-536/541, 12-48=-701/708, 12-49=-864/872, 13-49=-1032/1038, 13-50=-1198/1188, 14-50=-1363/1369, 14-51=-1514/1533, 15-51=-1694/1686, 15-52=-1738/1773, 16-52=-2009/2030, 16-53=-816/814, 17-53=-967/977

BOT CHORD 36-55=-264/262, 35-55=-464/462, 35-56=-985/980, 34-56=-820/814, 34-57=-1996/2008, 33-57=-1831/1843, 33-58=-1666/1649, 32-58=-1497/1512, 32-59=-1335/1346, 31-59=-1169/1152, 31-60=-1004/1015, 30-60=-838/850, 30-61=-673/685, 29-61=-507/518, 29-62=-342/354, 26-63=-376/388, 26-64=-541/552, 25-64=-707/718, 25-65=-871/884, 24-65=-1038/1049, 24-66=-1203/1186, 23-66=-1369/1380, 23-67=-1532/1546, 22-67=-1699/1683, 22-68=-484/491, 21-68=-649/656, 21-69=-560/563, 20-69=-377/265

WEBS 2-35=-1279/1296, 16-21=-1594/1594, 17-20=-1350/1351, 1-35=-1723/1718, 2-34=-1971/1994, 17-21=-1788/1785, 16-22=-2106/2108

NOTES- (16)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

Continued on page 2

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (16)

8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except (jt=lb) 36=1319, 35=192, 34=1318, 22=1610, 21=238, 20=1327.
12) Load case(s) 1, 2, 9, 10, 11, 12, 13, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
14) This truss has been designed for a total drag load of 5200 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 31-5-3 for 165.4 plf.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
16) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 18-41=-104, 19-36=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-41=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 18-41=-83, 19-36=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-41=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 18-41=-90, 19-36=-20
   Horz: 1-36=-12, 1-37=19, 1-18=7, 18-19=-17
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-41=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 18-41=-90, 19-36=-20
   Horz: 1-36=17, 1-37=-28, 1-18=7, 18-19=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-41=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 18-41=-60, 19-36=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-41=-60
12) Dead + 0.75 Snow (balanced) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 18-41=-80, 19-36=-20
   Horz: 1-38=5956, 2-38=5956, 2-39=5956, 3-39=5956, 3-40=5956, 40-41=5956, 4-41=5955, 4-42=5956, 5-42=5956, 5-43=5956, 6-43=5956, 6-44=5956, 7-44=5956, 7-45=5956, 8-45=5956, 8-46=5956, 9-46=5956, 9-10=5955, 10-47=5956, 47-48=5956, 12-48=5956, 12-49=5956, 13-49=5956, 13-50=5956, 14-50=5956, 14-51=5956, 15-51=5956, 15-52=5956, 16-52=5956, 16-53=5956, 17-53=5956, 17-18=5956
   Drag: 19-36=-124
   Trapezoidal Loads (plf)
   Vert: 1=-114(F=-34)-to-41=-80
13) Dead + 0.75 Snow (balanced) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 18-41=-86, 19-36=-20
   Horz: 1-38=-5956, 2-38=-5956, 2-39=-5956, 3-39=-5956, 3-40=-5956, 40-41=-5956, 4-41=-5955, 4-42=-5956, 5-42=-5956, 5-43=-5956, 6-43=-5956, 6-44=-5956, 7-44=-5956, 7-45=-5956, 8-45=-5956, 8-46=-5956, 46-47=-5956, 47-48=-5956, 12-48=-5956, 12-49=-5956, 13-49=-5956, 13-50=-5956, 14-50=-5956, 14-51=-5956, 15-51=-5956, 15-52=-5956, 16-52=-5956, 16-53=-5956, 17-53=-5956, 17-18=-5956
   Drag: 19-36=124
   Trapezoidal Loads (plf)
   Vert: 1=-119(F=-34)-to-41=-86
26) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 18-41=-87, 19-36=-20
   Horz: 1-36=-12, 1-37=19, 1-38=5962, 2-38=5962, 2-39=5962, 3-39=5962, 3-40=5962, 40-41=5962, 4-41=5962, 4-42=5962, 5-42=5962, 5-43=5962, 6-43=5962, 6-44=5962, 7-44=5962, 7-45=5962, 8-45=5962, 8-46=5962, 9-46=5962, 9-10=5962, 10-47=5962, 47-48=5962, 12-48=5962, 12-49=5962, 13-49=5962, 13-50=5962, 14-50=5962, 14-51=5962, 15-51=5962, 15-52=5962, 16-52=5962, 16-53=5962, 17-53=5962, 17-18=5962, 18-19=-17
   Drag: 19-36=-124
   Trapezoidal Loads (plf)
   Vert: 1=-121(F=-34)-to-41=-87
27) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33

Continued on page 3

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 18-41=-92, 19-36=-20

Horz: 1-36=-12, 1-37=19, 1-38=-5949, 2-38=-5949, 2-39=-5949, 3-39=-5949, 3-40=-5949, 40-41=-5949, 4-41=-5949, 4-42=-5949, 5-42=-5949, 5-43=-5949, 6-43=-5949, 6-44=-5949, 7-44=-5949, 7-45=-5949, 8-45=-5949, 8-46=-5949, 9-46=-5949, 9-10=-5949, 10-47=-5949, 47-48=-5949, 12-48=-5949, 12-49=-5949, 13-49=-5949, 13-50=-5949, 14-50=-5949, 14-51=-5949, 15-51=-5949, 15-52=-5949, 16-52=-5949, 16-53=-5949, 17-53=-5949, 17-18=-5949, 18-19=-17

Drag: 19-36=124

Trapezoidal Loads (plf)

Vert: 1=-126(F=-34)-to-41=-92

28) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 18-41=-87, 19-36=-20

Horz: 1-36=17, 1-37=-28, 1-38=5962, 2-38=5962, 2-39=5962, 3-39=5962, 3-40=5962, 40-41=5962, 4-41=5962, 4-42=5962, 5-42=5962, 5-43=5962, 6-43=5962, 6-44=5962, 7-44=5962, 7-45=5962, 8-45=5962, 8-46=5962, 9-46=5962, 9-10=5962, 10-47=5962, 47-48=5962, 12-48=5962, 12-49=5962, 13-49=5962, 13-50=5962, 14-50=5962, 14-51=5962, 15-51=5962, 15-52=5962, 16-52=5962, 16-53=5962, 17-53=5962, 17-18=5962, 18-19=12

Drag: 19-36=-124

Trapezoidal Loads (plf)

Vert: 1=-121(F=-34)-to-41=-87

29) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 18-41=-92, 19-36=-20

Horz: 1-36=17, 1-37=-28, 1-38=-5949, 2-38=-5949, 2-39=-5949, 3-39=-5949, 3-40=-5949, 40-41=-5949, 4-41=-5949, 4-42=-5949, 5-42=-5949, 5-43=-5949, 6-43=-5949, 6-44=-5949, 7-44=-5949, 7-45=-5949, 8-45=-5949, 8-46=-5949, 9-46=-5949, 9-10=-5949, 10-47=-5949, 47-48=-5949, 12-48=-5949, 12-49=-5949, 13-49=-5949, 13-50=-5949, 14-50=-5949, 14-51=-5949, 15-51=-5949, 15-52=-5949, 16-52=-5949, 16-53=-5949, 17-53=-5949, 17-18=-5949, 18-19=12

Drag: 19-36=124

Trapezoidal Loads (plf)

Vert: 1=-126(F=-34)-to-41=-92

30) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 18-41=-20, 19-36=-20

Concentrated Loads (lb)

Vert: 1=-160

Trapezoidal Loads (plf)

Vert: 1=-65(F=-45)-to-41=-20

31) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 18-41=-20, 19-36=-20

Concentrated Loads (lb)

Vert: 38=-160

Trapezoidal Loads (plf)

Vert: 1=-65(F=-45)-to-41=-20

32) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 18-41=-20, 19-36=-20

Concentrated Loads (lb)

Vert: 39=-160

Trapezoidal Loads (plf)

Vert: 1=-65(F=-45)-to-41=-20

33) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 18-41=-20, 19-36=-20

Concentrated Loads (lb)

Vert: 40=-160

Trapezoidal Loads (plf)

Vert: 1=-65(F=-45)-to-41=-20

34) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 18-41=-20, 19-36=-20

Concentrated Loads (lb)

Vert: 42=-160

Trapezoidal Loads (plf)

Vert: 1=-65(F=-45)-to-41=-20

35) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 18-41=-20, 19-36=-20

Concentrated Loads (lb)

Vert: 43=-160

Trapezoidal Loads (plf)

Vert: 1=-65(F=-45)-to-41=-20

36) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 18-41=-20, 19-36=-20

Concentrated Loads (lb)

Vert: 44=-160

Trapezoidal Loads (plf)

Vert: 1=-65(F=-45)-to-41=-20

37) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 4

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 45=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

38) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 46=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

39) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 47=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

40) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 48=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

41) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 49=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

42) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 50=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

43) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 51=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

44) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 52=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

45) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 53=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

46) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 54=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

47) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 18=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 5

LOAD CASE(S) Standard

48) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

49) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

50) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 4=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

51) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

52) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

53) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

54) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

55) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

56) 27th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

57) 28th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

58) 29th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 6

MiTek

16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

59) 30th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

60) 31st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

61) 32nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 16=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

62) 33rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 17=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

63) 34th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 55=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

64) 35th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 56=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

65) 36th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 57=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

66) 37th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 58=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

67) 38th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 59=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

68) 39th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 60=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

69) 40th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 61=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 7

MiTek

16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

70) 41st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 62=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

71) 42nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 63=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

72) 43rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 64=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

73) 44th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 65=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

74) 45th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 66=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

75) 46th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 67=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

76) 47th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 68=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

77) 48th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 69=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

78) 49th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 70=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

79) 50th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 36=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

80) 51st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 35=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 8

MiTek

16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

81) 52nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 34=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

82) 53rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 33=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

83) 54th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 32=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

84) 55th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 31=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

85) 56th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 30=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

86) 57th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 29=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

87) 58th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

88) 59th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

89) 60th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

90) 61st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

91) 62nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 9

LOAD CASE(S) Standard

92) 63rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

93) 64th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 21=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

94) 65th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 20=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

95) 66th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 19=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BGE1	GABLE	4	1	I40748915
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:29 2020 Page 1
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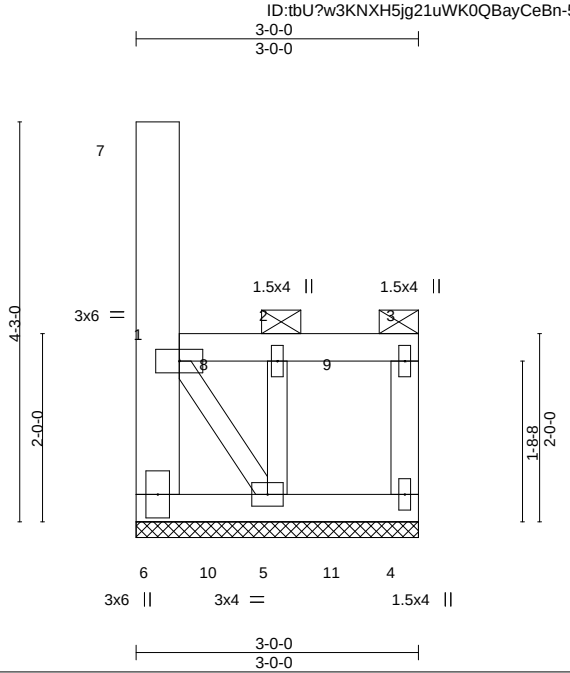


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH							Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x6 SPF 1650F 1.4E *Except*
	3-4: 2x4 SPF No.2, 1-5: 2x3 SPF No.2
OTHERS	2x3 SPF No.2

BRACING-

TOP CHORD	2-0-0 oc purlins: 1-7, 1-3, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 6=3-0-0, 4=3-0-0, 5=3-0-0
Max Horz 6=-249(LC 4)
Max Uplift 6=-442(LC 4), 4=-32(LC 5), 5=-381(LC 5)
Max Grav 6=306(LC 5), 4=183(LC 21), 5=351(LC 4)

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

TOP CHORD	1-6=-304/441
BOT CHORD	5-6=-248/315
WEBS	1-5=-470/372

NOTES- (12)

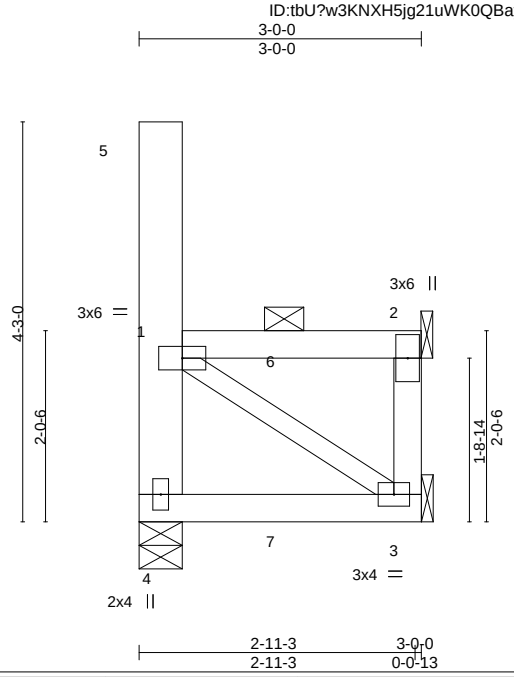
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 6=442, 5=381.
10) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ1	Flat	4	1	I40748916
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:29 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-52KzQOFj?J4hqa_6Nukd3hsaP6N7A6R1zn9W42zXhVC



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 17 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-249(LC 4)
Max Uplift 4=-261(LC 4), 3=-155(LC 5), 2=-61(LC 5)
Max Grav 4=225(LC 10), 3=196(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-199/260
BOT CHORD 3-4=-261/316
WEBS 1-3=-345/279

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=261, 3=155.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ2	Flat	4	1	I40748917
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:36 2020 Page 1
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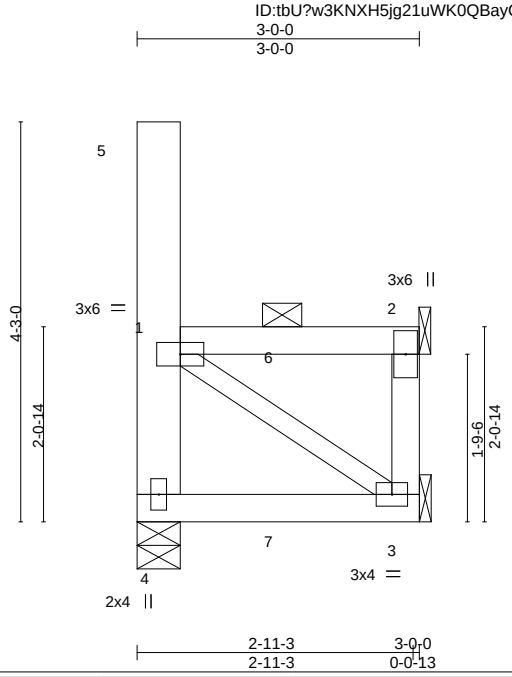

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 17 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-248(LC 4)
Max Uplift 4=-261(LC 4), 3=-156(LC 5), 2=-61(LC 5)
Max Grav 4=223(LC 10), 3=195(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-197/259
BOT CHORD 3-4=-256/309
WEBS 1-3=-340/275

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=261, 3=156.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ3	Flat	4	1	I40748918
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:36 2020 Page 1
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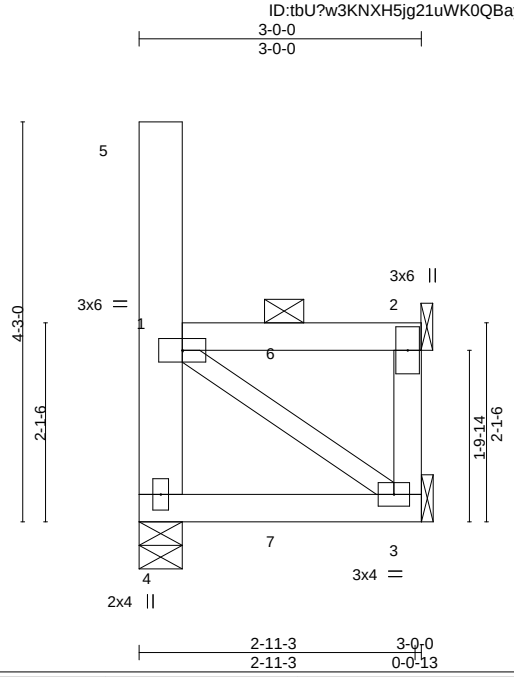

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 17 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-247(LC 4)
Max Uplift 4=-260(LC 4), 3=-156(LC 5), 2=-60(LC 5)
Max Grav 4=221(LC 10), 3=195(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-195/259
BOT CHORD 3-4=-251/303
WEBS 1-3=-334/271

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=260, 3=156.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ4	Flat	4	1	I40748919
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:37 2020 Page 1
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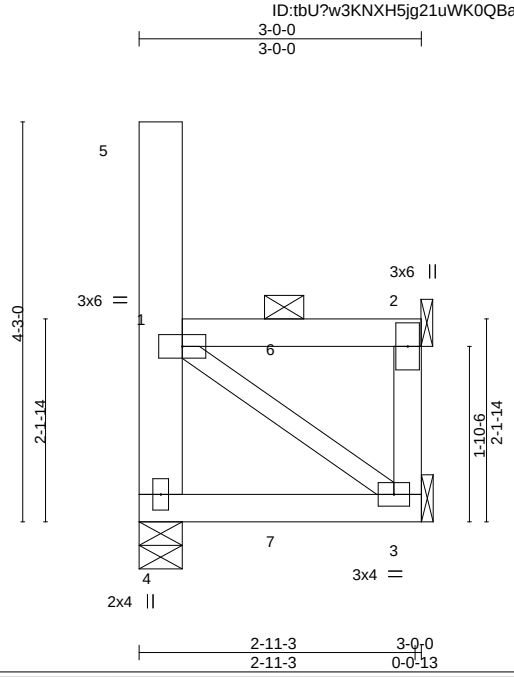

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 17 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-246(LC 4)
Max Uplift 4=-260(LC 4), 3=-156(LC 5), 2=-60(LC 5)
Max Grav 4=218(LC 10), 3=195(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-193/258
BOT CHORD 3-4=-247/297
WEBS 1-3=-329/267

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=260, 3=156.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ5	Flat	4	1	I40748920
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:38 2020 Page 1
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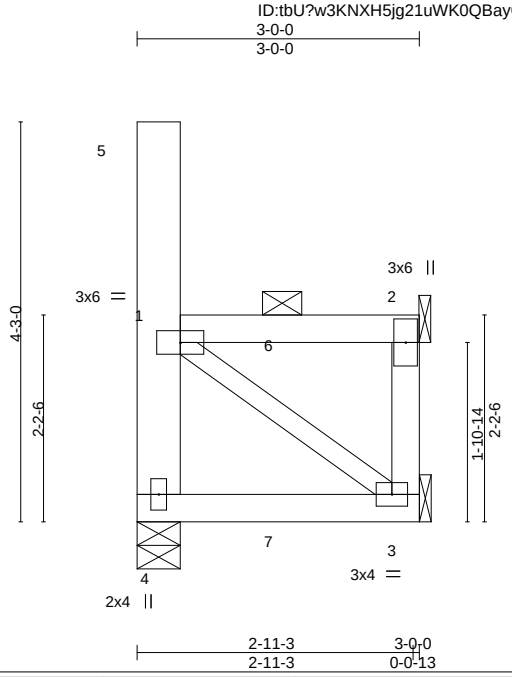

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-246(LC 4)
Max Uplift 4=-259(LC 4), 3=-157(LC 5), 2=-60(LC 5)
Max Grav 4=216(LC 10), 3=195(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-191/258
BOT CHORD 3-4=-242/292
WEBS 1-3=-324/264

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=259, 3=157.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ6	Flat	4	1	I40748921
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:38 2020 Page 1
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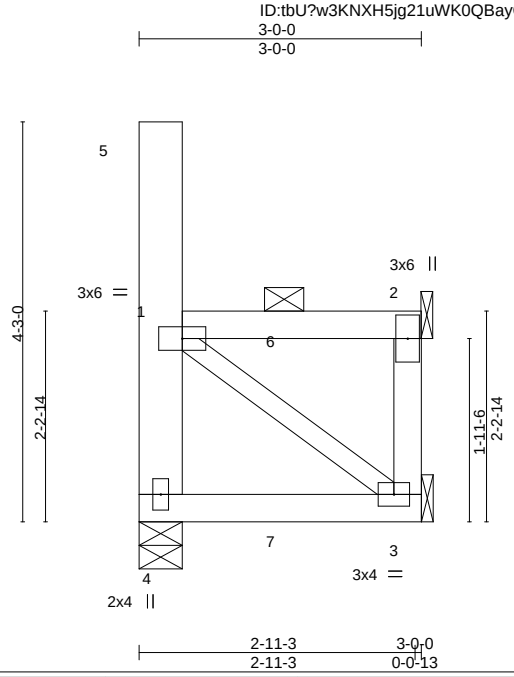

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-245(LC 4)
Max Uplift 4=-259(LC 4), 3=-157(LC 5), 2=-59(LC 5)
Max Grav 4=214(LC 10), 3=195(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-188/257
BOT CHORD 3-4=-238/286
WEBS 1-3=-319/261

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=259, 3=157.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ7	Flat	4	1	I40748922
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:39 2020 Page 1
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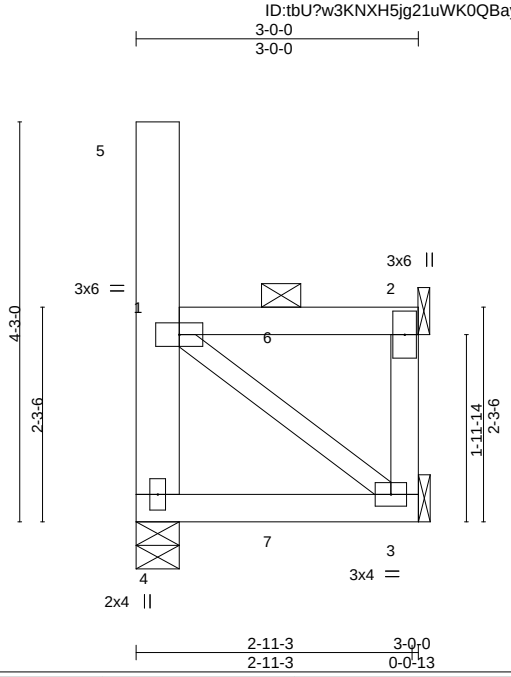

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-244(LC 4)
Max Uplift 4=-258(LC 4), 3=-157(LC 5), 2=-59(LC 5)
Max Grav 4=212(LC 12), 3=195(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-186/256
BOT CHORD 3-4=-234/281
WEBS 1-3=-314/258

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=258, 3=157.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ8	Flat	4	1	I40748923
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:40 2020 Page 1
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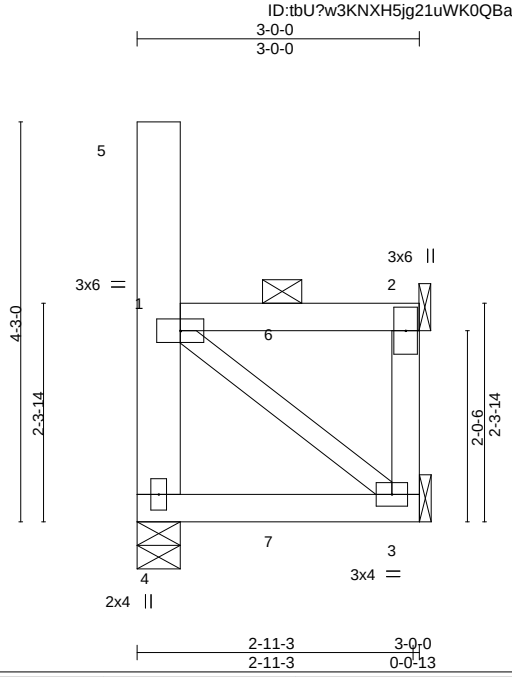

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-244(LC 4)
Max Uplift 4=-258(LC 4), 3=-158(LC 5), 2=-59(LC 5)
Max Grav 4=212(LC 12), 3=194(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/256
BOT CHORD 3-4=-230/276
WEBS 1-3=-310/255

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=258, 3=158.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ9	Flat	4	1	I40748924
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:40 2020 Page 1
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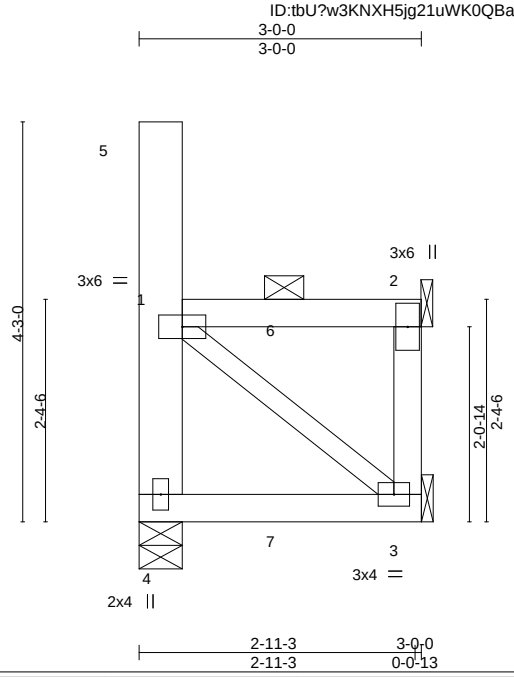

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-243(LC 4)
Max Uplift 4=-257(LC 4), 3=-158(LC 5), 2=-58(LC 5)
Max Grav 4=212(LC 12), 3=194(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/255
BOT CHORD 3-4=-227/272
WEBS 1-3=-305/252

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=257, 3=158.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ10	Flat	4	1	I40748925
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:30 2020 Page 1

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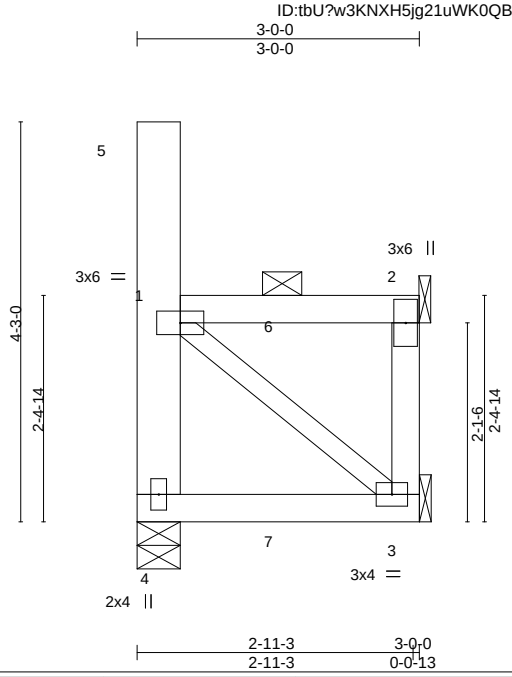

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-242(LC 4)
Max Uplift 4=-256(LC 4), 3=-158(LC 5), 2=-58(LC 5)
Max Grav 4=212(LC 12), 3=194(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/254
BOT CHORD 3-4=-223/267
WEBS 1-3=-301/249

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=256, 3=158.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ11	Flat	4	1	I40748926
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:31 2020 Page 1
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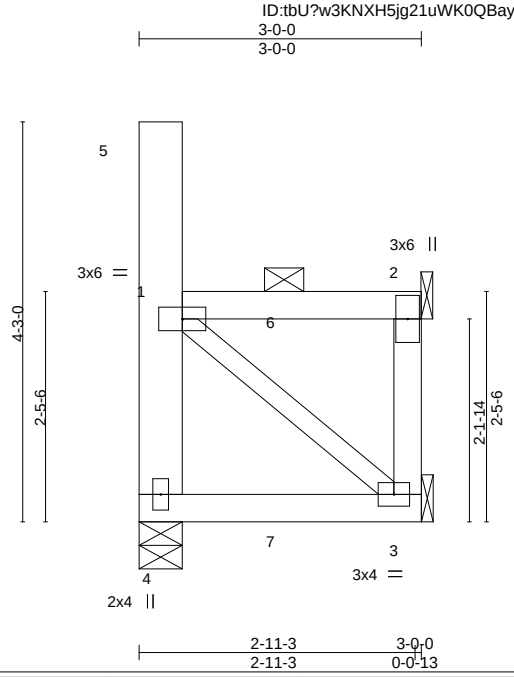

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-242(LC 4)
Max Uplift 4=-256(LC 4), 3=-159(LC 5), 2=-58(LC 5)
Max Grav 4=212(LC 12), 3=194(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/254
BOT CHORD 3-4=-220/263
WEBS 1-3=-297/247

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=256, 3=159.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ12	Flat	4	1	I40748927
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:31 2020 Page 1
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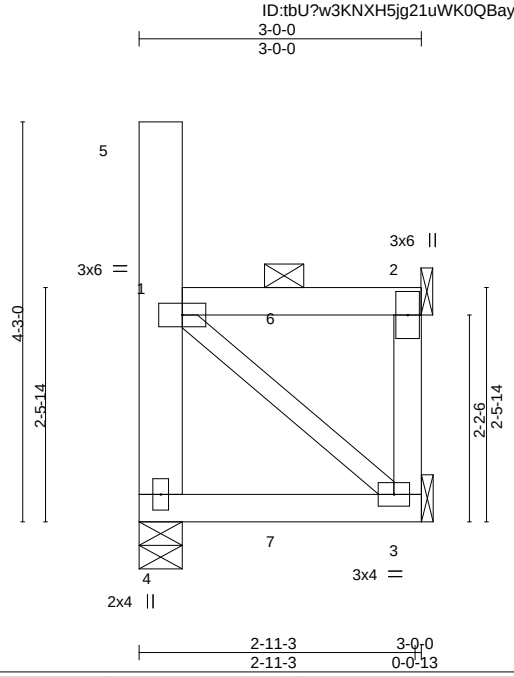

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-241(LC 4)
Max Uplift 4=-255(LC 4), 3=-159(LC 5), 2=-57(LC 5)
Max Grav 4=212(LC 12), 3=194(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/253
BOT CHORD 3-4=-217/259
WEBS 1-3=-293/244

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=255, 3=159.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ13	Flat	4	1	I40748928
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:32 2020 Page 1
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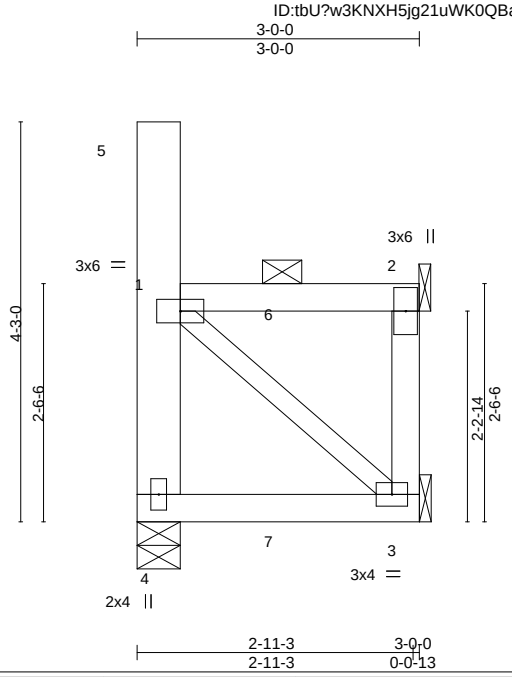

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-240(LC 4)
Max Uplift 4=-255(LC 4), 3=-159(LC 5), 2=-57(LC 5)
Max Grav 4=212(LC 12), 3=193(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/252
BOT CHORD 3-4=-214/255
WEBS 1-3=-289/242

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=255, 3=159.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ14	Flat	4	1	I40748929
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:33 2020 Page 1
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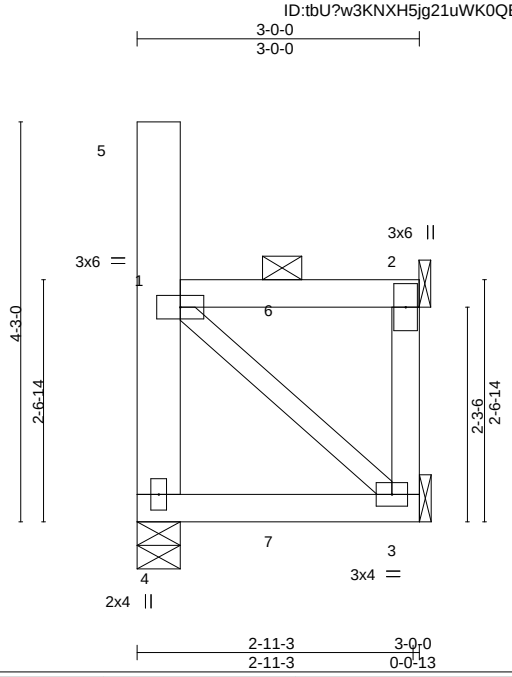

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-239(LC 4)
Max Uplift 4=-254(LC 4), 3=-160(LC 5), 2=-57(LC 5)
Max Grav 4=212(LC 12), 3=193(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/252
BOT CHORD 3-4=-211/251
WEBS 1-3=-286/240

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=254, 3=160.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ15	Flat	4	1	I40748930
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:33 2020 Page 1
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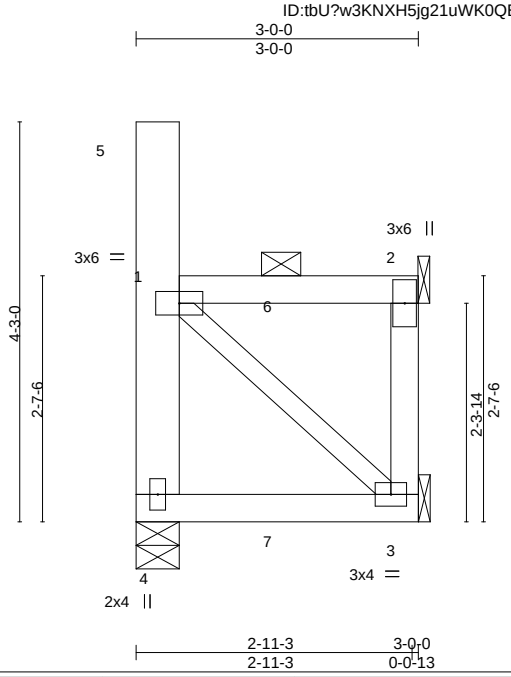

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-239(LC 4)
Max Uplift 4=-253(LC 4), 3=-160(LC 5), 2=-57(LC 5)
Max Grav 4=212(LC 12), 3=193(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/251
WEBS 1-3=-282/238

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=253, 3=160.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ16	Flat	2	1	I40748931
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:34 2020 Page 1
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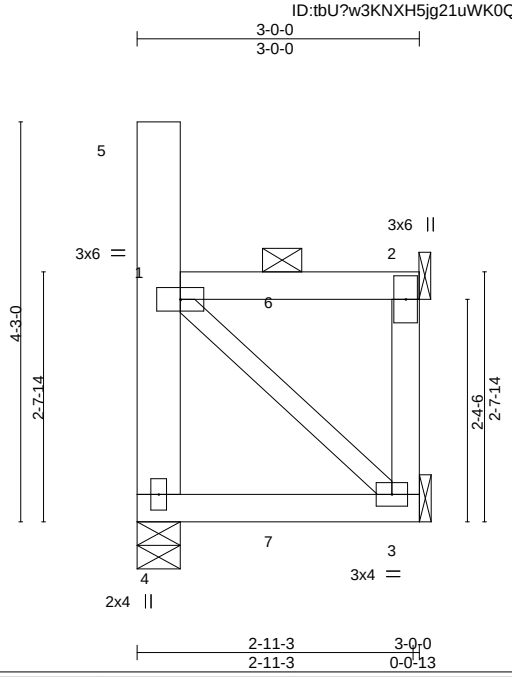

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-238(LC 4)
Max Uplift 4=-253(LC 4), 3=-160(LC 5), 2=-56(LC 5)
Max Grav 4=212(LC 12), 3=193(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-185/250
WEBS 1-3=-279/236

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=253, 3=160.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ17	Flat	2	1	I40748932
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:35 2020 Page 1
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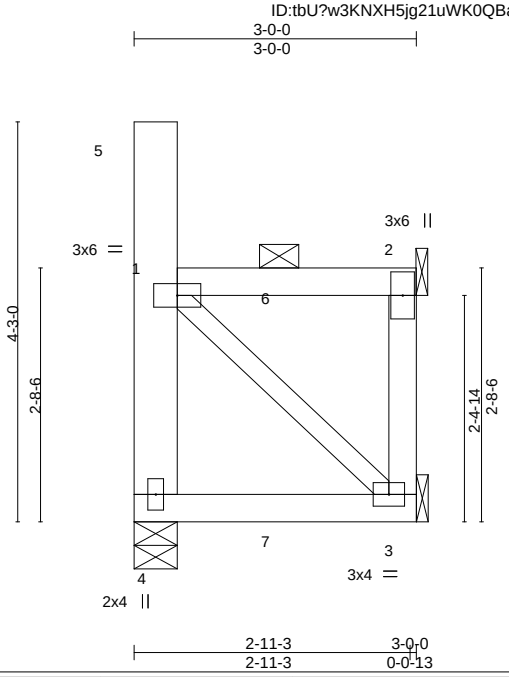

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-237(LC 4)
Max Uplift 4=-252(LC 4), 3=-161(LC 5), 2=-56(LC 5)
Max Grav 4=212(LC 12), 3=192(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-276/234

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=252, 3=161.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	BJ18	Flat	2	1	I40748933
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:35 2020 Page 1
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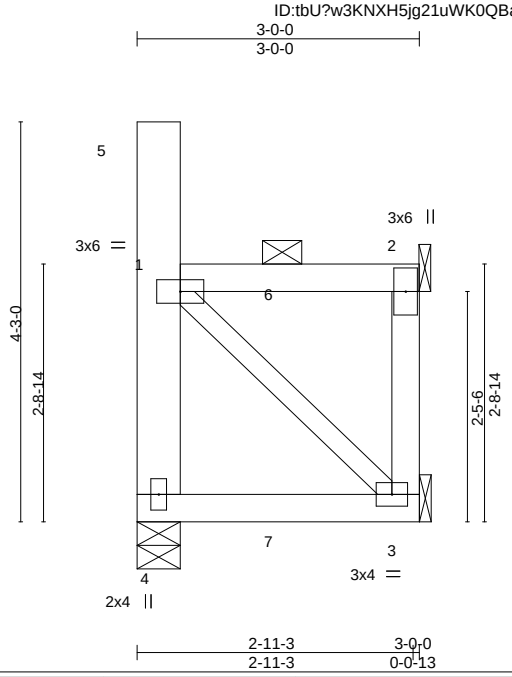


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-237(LC 4)
Max Uplift 4=-251(LC 4), 3=-161(LC 5), 2=-56(LC 5)
Max Grav 4=212(LC 12), 3=192(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-273/232

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=251, 3=161.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

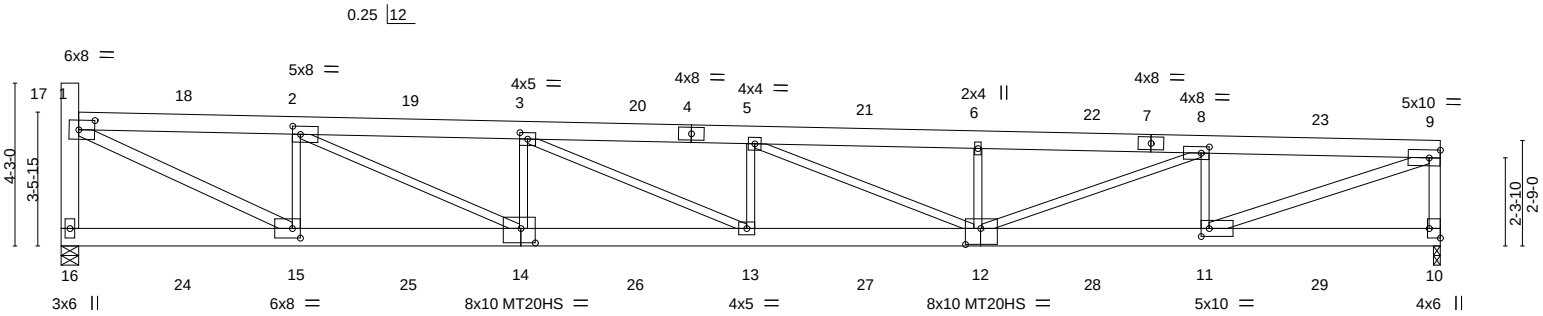
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	C1	ROOF SPECIAL	26	1	I40748934
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:42 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-CYct8rPtxIjruaTbe6Sh5QukZLkMjnHyyJpi1nzXhV?

6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	36-0-0
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	6-1-11

Scale = 1:60.1



6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	36-0-0
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	6-1-11

Plate Offsets (X,Y)-- [1:0-5-0,0-3-0], [2:0-2-7,0-2-9], [3:0-2-7,0-2-0], [8:0-2-8,0-2-0], [10:Edge,0-3-8], [11:0-2-8,0-2-8], [12:0-4-12,0-5-0], [14:0-4-8,0-4-8], [15:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.66	12-13	>652	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.97	12-13	>442	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.10	10	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.17	13	>999	240	Weight: 200 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF 1650F 1.4E
BOT CHORD	2x6 SP 2400F 2.0E
WEBS	2x3 SPF No.2 *Except* 16-17: 2x6 SPF 1650F 1.4E, 9-10: 2x4 SPF No.2 1-15,9-11: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-10-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-7-8 oc bracing.

REACTIONS. (size) 16=0-5-8, 10=0-2-2
Max Horz 16=-160(LC 4)
Max Uplift 16=-433(LC 4), 10=-429(LC 5)
Max Grav 16=2209(LC 1), 10=2209(LC 1)

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

TOP CHORD	1-16=-2125/429, 1-2=-3831/801, 2-3=-6269/1254, 3-5=-7415/1459, 5-6=-6880/1341, 6-8=-6864/1334, 8-9=-4638/893, 9-10=-2121/424
BOT CHORD	14-15=-809/3824, 13-14=-1272/6289, 12-13=-1475/7407, 11-12=-918/4631
WEBS	1-15=-815/4169, 2-15=-1801/385, 2-14=-541/2723, 3-14=-1105/249, 3-13=-257/1236, 5-13=-399/116, 5-12=-586/125, 6-12=-587/142, 8-12=-475/2407, 8-11=-1628/352, 9-11=-944/4845

NOTES- (9)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=433, 10=429.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
9) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	C2	ROOF SPECIAL	2	1	I40748935
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:43 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-gkAGMBQVicriWk2oCq_wdeRvDl?RSEg5BzYFaEzXhV_

6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	35-9-8
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	5-11-3

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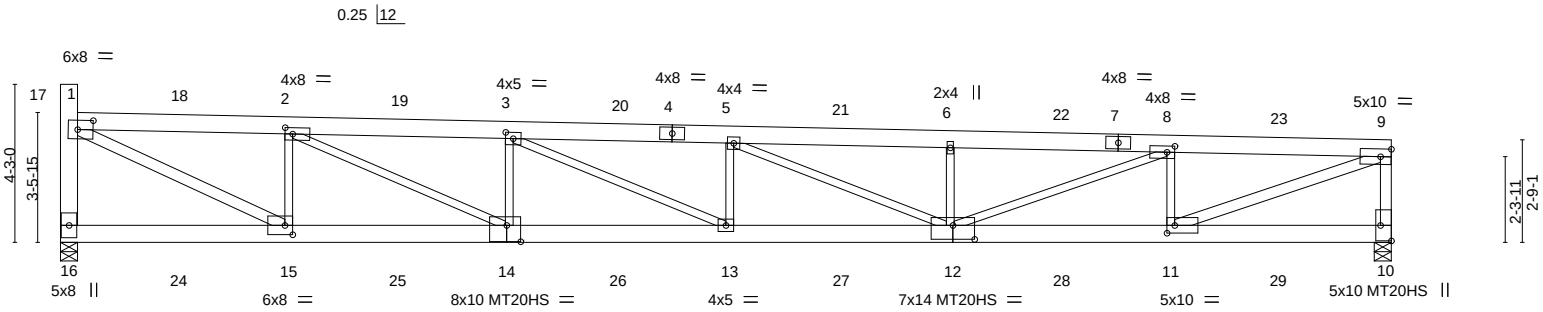


6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	35-9-8
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	5-11-3

Plate Offsets (X,Y)-- [1:0-5-0,0-3-0], [2:0-2-7,0-2-1], [3:0-2-7,0-2-0], [8:0-2-8,0-2-0], [10:Edge,0-3-8], [11:0-2-8,0-2-8], [12:0-7-0,0-4-8], [14:0-4-8,0-5-4], [15:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.70	12-13	>610	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-1.03	12-13	>413	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.14	10	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.18	13	>999	240	Weight: 179 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 1650F 1.4E
BOT CHORD 2x6 SPF 1650F 1.4E
WEBS 2x3 SPF No.2 *Except*
16-17: 2x6 SPF 1650F 1.4E, 9-10: 2x4 SPF No.2
1-15,9-11: 2x4 SPF 1650F 1.4E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-3 oc bracing.

REACTIONS. (size) 16=0-5-8, 10=0-5-8
Max Horz 16=-160(LC 4)
Max Uplift 16=-430(LC 4), 10=-427(LC 5)
Max Grav 16=2196(LC 1), 10=2196(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-2118/428, 1-2=-3807/796, 2-3=-6223/1245, 3-5=-7333/1443, 5-6=-6791/1324, 6-8=-6775/1316, 8-9=-4482/864, 9-10=-2116/423
BOT CHORD 14-15=-804/3800, 13-14=-1263/6242, 12-13=-1459/7325, 11-12=-888/4475
WEBS 1-15=-812/4149, 2-15=-1790/383, 2-14=-536/2698, 3-14=-1090/247, 3-13=-250/1197, 5-13=-390/114, 5-12=-593/126, 6-12=-598/144, 8-12=-489/2479, 8-11=-1640/353, 9-11=-919/4712

NOTES- (8)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=430, 10=427.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

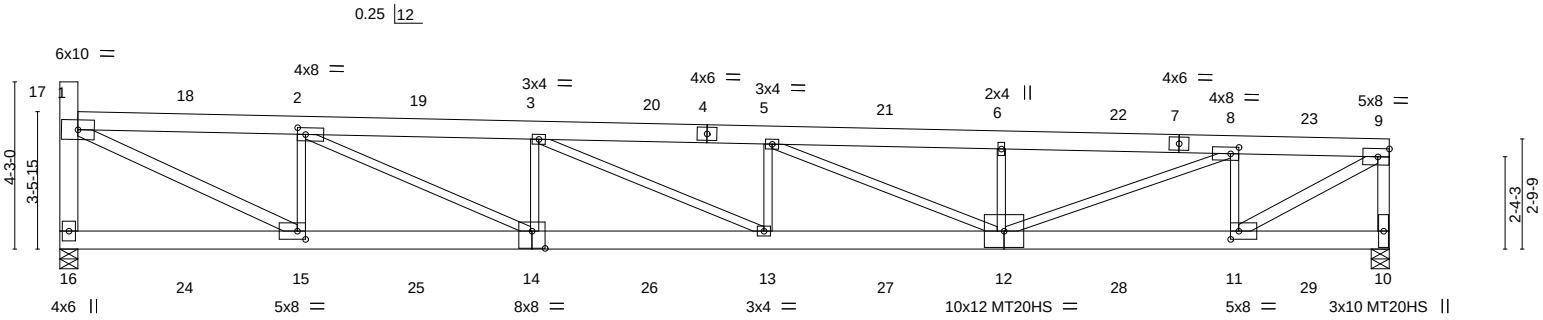
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	C3	ROOF SPECIAL	2	1	I40748936
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:44 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-9xkeZXQ7TwzY7ud_IXV9Ar_5k9M0Bg8EPdIp5gzXhUz

6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	33-9-8
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	3-11-3

Scale = 1:58.6



6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	33-9-8
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	3-11-3

Plate Offsets (X,Y)-- [2:0-2-7,0-2-1], [8:0-2-8,0-2-0], [11:0-2-8,0-2-8], [14:0-4-0,0-5-4], [15:0-2-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.55	13	>726	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.82	13-14	>492	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.12	10	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.15	13	>999	240	Weight: 170 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 1650F 1.4E
BOT CHORD 2x6 SPF 1650F 1.4E
WEBS 2x3 SPF No.2 *Except*
16-17: 2x6 SPF 1650F 1.4E, 9-10,1-15,9-11: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-4 oc bracing.

REACTIONS. (size) 16=0-5-8, 10=0-5-8
Max Horz 16=-161(LC 4)
Max Uplift 16=-407(LC 4), 10=-404(LC 5)
Max Grav 16=2072(LC 1), 10=2072(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1995/405, 1-2=-3557/748, 2-3=-5704/1144, 3-5=-6515/1284, 5-6=-5642/1099, 6-8=-5626/1092, 8-9=-2994/586, 9-10=-2035/402
BOT CHORD 14-15=-758/3550, 13-14=-1164/5721, 12-13=-1302/6507, 11-12=-599/2990
WEBS 1-15=-760/3872, 2-15=-1663/359, 2-14=-480/2398, 3-14=-957/222, 3-13=-189/869, 5-12=-956/198, 6-12=-606/147, 8-12=-560/2843, 8-11=-1706/361, 9-11=-677/3467

NOTES- (8)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=407, 10=404.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	C4	ROOF SPECIAL	2	1	I40748937
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:46 2020 Page 1
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6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	32-0-0
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	2-1-11

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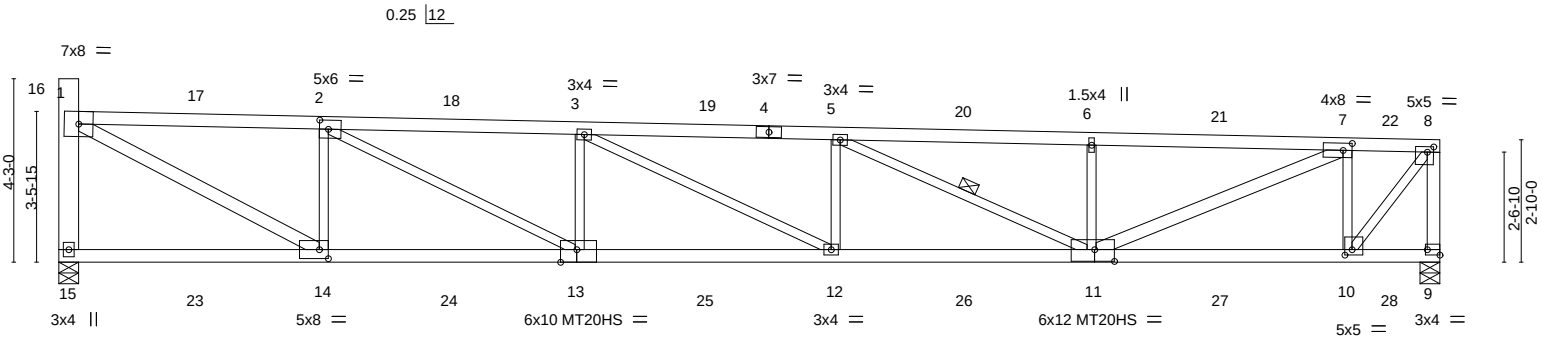

6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	32-0-0
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	2-1-11

Plate Offsets (X,Y)-- [2:0-2-7,0-2-8], [7:0-2-8,0-2-0], [8:0-1-12,0-1-8], [9:Edge,0-1-8], [10:0-2-0,0-1-8], [11:0-5-8,0-3-4], [13:0-4-8,Edge], [14:0-2-8,0-2-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	42.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.57	12-13	>661	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.86	12-13	>441	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.15	9	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.15	12-13	>999	240	Weight: 124 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E
BOT CHORD 2x4 SPF 1650F 1.4E *Except*
9-11: 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
15-16: 2x6 SPF 1650F 1.4E, 8-9,1-14,7-11: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-11

REACTIONS. (size) 15=0-5-8, 9=0-5-8
Max Horz 15=-165(LC 4)
Max Uplift 15=-387(LC 4), 9=-383(LC 5)
Max Grav 15=1961(LC 1), 9=1961(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-1899/388, 1-2=-3181/673, 2-3=-4991/1004, 3-5=-5492/1083, 5-6=-4404/856, 6-7=-4387/848, 7-8=-1518/314, 8-9=-1949/378
BOT CHORD 13-14=-688/3173, 12-13=-1027/5004, 11-12=-1105/5484, 10-11=-314/1518
WEBS 1-14=-697/3528, 2-14=-1564/342, 2-13=-414/2046, 3-13=-837/200, 3-12=-126/537, 5-11=-1203/247, 6-11=-633/152, 7-11=-617/3129, 7-10=-1831/385, 8-10=-477/2437

NOTES- (8)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=387, 9=383.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	C5	ROOF SPECIAL	50	1	I40748938
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:47 2020 Page 1
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6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	32-11-3
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	3-0-14

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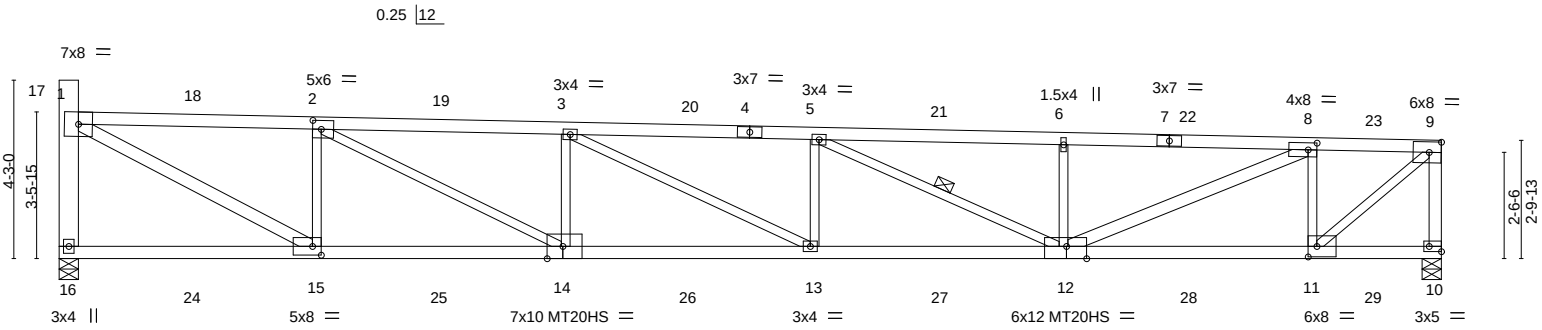


6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	32-11-3
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	3-0-14

Plate Offsets (X,Y)-- [2:0-2-7,0-2-8], [8:0-2-8,0-2-0], [10:Edge,0-1-8], [11:0-2-8,0-3-0], [12:0-5-12,Edge], [14:0-4-8,Edge], [15:0-2-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.64	13-14	>613	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.95	13-14	>411	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.16	10	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.17	13-14	>999	240	Weight: 127 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except*
	1-4: 2x4 SPF 1650F 1.4E
BOT CHORD	2x4 SPF 1650F 1.4E *Except*
	10-12: 2x4 SPF No.2
WEBS	2x3 SPF No.2 *Except*
	16-17: 2x6 SPF 1650F 1.4E, 9-10,1-15,8-12: 2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 5-12

REACTIONS. (size) 16=0-5-8, 10=0-5-8
Max Horz 16=-164(LC 4)
Max Uplift 16=-398(LC 4), 10=-394(LC 5)
Max Grav 16=2019(LC 1), 10=2019(LC 1)

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

TOP CHORD	1-16=-1957/399, 1-2=-3291/695, 2-3=-5221/1049, 3-5=-5853/1153, 5-6=-4909/955, 6-8=-4893/947, 8-9=-2175/436, 9-10=-1991/391
BOT CHORD	14-15=-708/3284, 13-14=-1071/5234, 12-13=-1175/5845, 11-12=-442/2173
WEBS	1-15=-720/3653, 2-15=-1624/353, 2-14=-439/2180, 3-14=-899/212, 3-13=-154/682, 5-12=-1043/215, 6-12=-634/152, 8-12=-585/2965, 8-11=-1769/373, 9-11=-556/2844

NOTES- (8)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=398, 10=394.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	C6	ROOF SPECIAL	21	1	I40748939
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:48 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-1iz9PuTeW8T_cVxl_NZ5Kh8iRmiI6W9qKFG0ERzXhUv

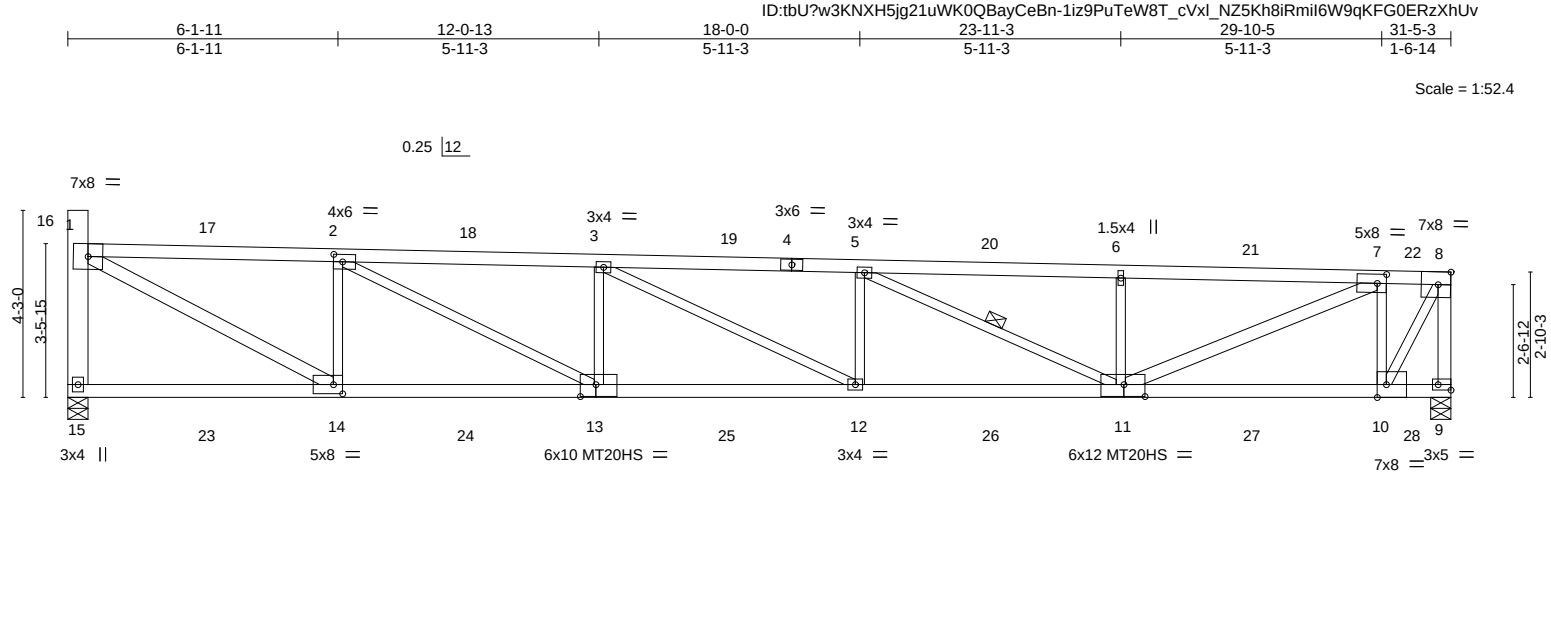


Plate Offsets (X,Y)-- [2:0-2-7,0-2-0], [7:0-2-8,0-2-8], [8:0-3-7,Edge], [9:Edge,0-1-8], [10:0-2-8,Edge], [11:0-5-12,0-3-4], [13:0-4-4,0-3-4], [14:0-2-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.54	12-13	>690	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.81	12-13	>460	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.14	9	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.14	12-13	>999	240	Weight: 123 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.4E
BOT CHORD	2x4 SPF 1650F 1.4E *Except* 9-11: 2x4 SPF No.2
WEBS	2x3 SPF No.2 *Except* 15-16: 2x6 SPF 1650F 1.4E, 8-9,1-14,7-11: 2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-3-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-9-11 oc bracing.
WEBS	1 Row at midpt 5-11

REACTIONS. (size) 15=0-5-8, 9=0-5-8
Max Horz 15=-165(LC 4)
Max Uplift 15=-380(LC 4), 9=-377(LC 5)
Max Grav 15=1926(LC 1), 9=1926(LC 1)

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

TOP CHORD	1-15=-1864/382, 1-2=-3113/660, 2-3=-4852/977, 3-5=-5272/1040, 5-6=-4096/795, 6-7=-4079/788, 7-8=-1117/239, 8-9=-1917/367
BOT CHORD	13-14=-676/3106, 12-13=-1000/4863, 11-12=-1063/5264, 10-11=-236/1119
WEBS	1-14=-683/3452, 2-14=-1528/335, 2-13=-399/1965, 3-13=-799/193, 3-12=-110/448, 5-11=-1301/266, 6-11=-631/152, 7-11=-637/3229, 7-10=-1887/398, 8-10=-440/2252

NOTES- (8)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=380, 9=377.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

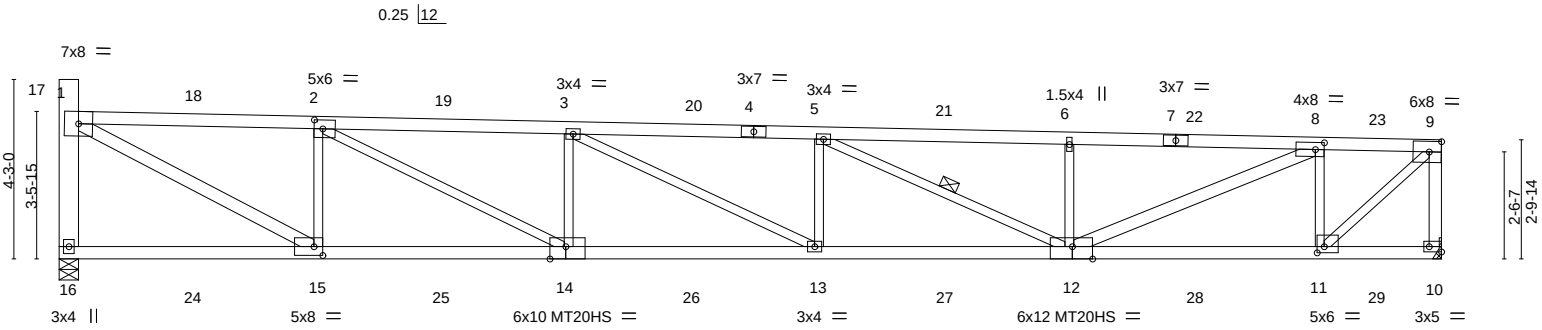
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	C7	ROOF SPECIAL	3	1	I40748940
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:50 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-z55vqaVu2mjirp486ocZP6E_yaLWaO67oYI7IKzXhUt

6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	32-8-15
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	2-10-10

Scale = 1:54.6



6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	32-8-15
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	2-10-10

Plate Offsets (X,Y)-- [2:0-2-7,0-2-8], [8:0-2-8,0-2-0], [10:Edge,0-1-8], [11:0-2-0,0-1-12], [12:0-5-12,Edge], [14:0-4-8,Edge], [15:0-2-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.62	13-14	>622	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.93	13-14	>417	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.16	10	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.17	13-14	>999	240	Weight: 127 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF No.2 *Except*
1-4: 2x4 SPF 1650F 1.4E
BOT CHORD 2x4 SPF 1650F 1.4E *Except*
10-12: 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
16-17: 2x6 SPF 1650F 1.4E, 9-10,1-15,8-12: 2x4 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-12

REACTIONS. (size) 16=0-5-8, 10=Mechanical
Max Horz 16=-164(LC 4)
Max Uplift 16=-396(LC 4), 10=-392(LC 5)
Max Grav 16=2007(LC 1), 10=2007(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1945/397, 1-2=-3269/690, 2-3=-5174/1040, 3-5=-5780/1139, 5-6=-4808/935, 6-8=-4791/928, 8-9=-2043/411, 9-10=-1983/389
BOT CHORD 14-15=-704/3261, 13-14=-1062/5188, 12-13=-1161/5772, 11-12=-416/2041
WEBS 1-15=-715/3628, 2-15=-1612/350, 2-14=-434/2153, 3-14=-887/209, 3-13=-148/653, 5-12=-1075/221, 6-12=-634/152, 8-12=-591/2999, 8-11=-1780/375, 9-11=-539/2754

NOTES- (9)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=396, 10=392.
8) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
9) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

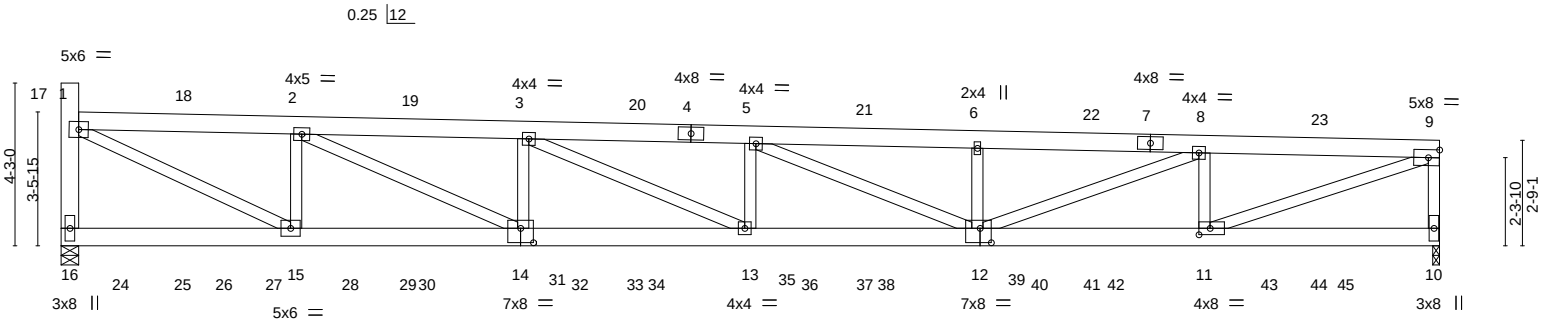
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	CGR	ROOF SPECIAL	2	2	I40748941
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:53 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-Ogn2ScXmLh5HiGpjnw9G1lsggnY9nquZUWznvfzXhUq

6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	36-0-0
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	6-1-11

Scale = 1:60.2



6-1-11	12-0-13	18-0-0	23-11-3	29-10-5	36-0-0
6-1-11	5-11-3	5-11-3	5-11-3	5-11-3	6-1-11

Plate Offsets (X,Y)-- [11:0-3-8,0-2-0], [12:0-3-8,0-4-8], [14:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.33	12-13	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.49	12-13	>874	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.05	10	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.30	12-13	>999	240	Weight: 422 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 1650F 1.4E
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SPF No.2 *Except*
16-17: 2x6 SPF 1650F 1.4E

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

REACTIONS. (size) 16=0-5-8, 10=0-2-2
Max Horz 16=-160(LC 4)
Max Uplift 16=-1445(LC 4), 10=-1493(LC 5)
Max Grav 16=2906(LC 42), 10=2983(LC 43)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-2687/1295, 1-2=-5047/2572, 2-3=-8322/4175, 3-5=-9832/4896, 5-6=-9134/4519, 6-8=-9120/4511, 8-9=-6116/3002, 9-10=-2682/1277
BOT CHORD 14-15=-2579/5050, 13-14=-4198/8352, 12-13=-4910/9829, 11-12=-3026/6108
WEBS 1-15=-2750/5496, 2-15=-2091/915, 2-14=-1826/3659, 3-14=-1197/484, 3-13=-820/1637, 5-13=-426/262, 5-12=-766/408, 6-12=-596/143, 8-12=-1632/3254, 8-11=-1854/798, 9-11=-3154/6379

NOTES- (11)
1) 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=1445, 10=1493.
9) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.

March 25,2020

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (11)

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 155 lb down and 118 lb up at 1-6-12, 155 lb down and 118 lb up at 3-6-12, 156 lb down and 118 lb up at 5-6-12, 156 lb down and 117 lb up at 7-6-12, 156 lb down and 117 lb up at 9-6-12, 156 lb down and 117 lb up at 11-6-12, 157 lb down and 117 lb up at 13-6-12, 157 lb down and 116 lb up at 15-6-12, 157 lb down and 116 lb up at 17-6-12, 158 lb down and 116 lb up at 19-6-12, 158 lb down and 116 lb up at 21-6-12, 158 lb down and 116 lb up at 23-6-12, 158 lb down and 115 lb up at 25-6-12, 159 lb down and 115 lb up at 27-6-12, 159 lb down and 115 lb up at 29-6-12, 159 lb down and 115 lb up at 31-6-12, and 159 lb down and 114 lb up at 33-6-12, and 160 lb down and 114 lb up at 35-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-9=-104, 10-16=-20
   Concentrated Loads (lb)
   Vert: 10=-20(F) 11=-13(F) 24=-14(F) 26=-14(F) 27=-14(F) 28=-14(F) 30=-14(F) 31=-14(F) 32=-14(F) 34=-14(F) 35=-14(F) 36=-14(F) 38=-14(F) 39=-14(F) 40=-13(F) 42=-13(F) 43=-13(F) 45=-13(F)

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	CSHR1	GABLE	8	1	I40748942
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:55:57 2020 Page 1
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32-11-3
32-11-3

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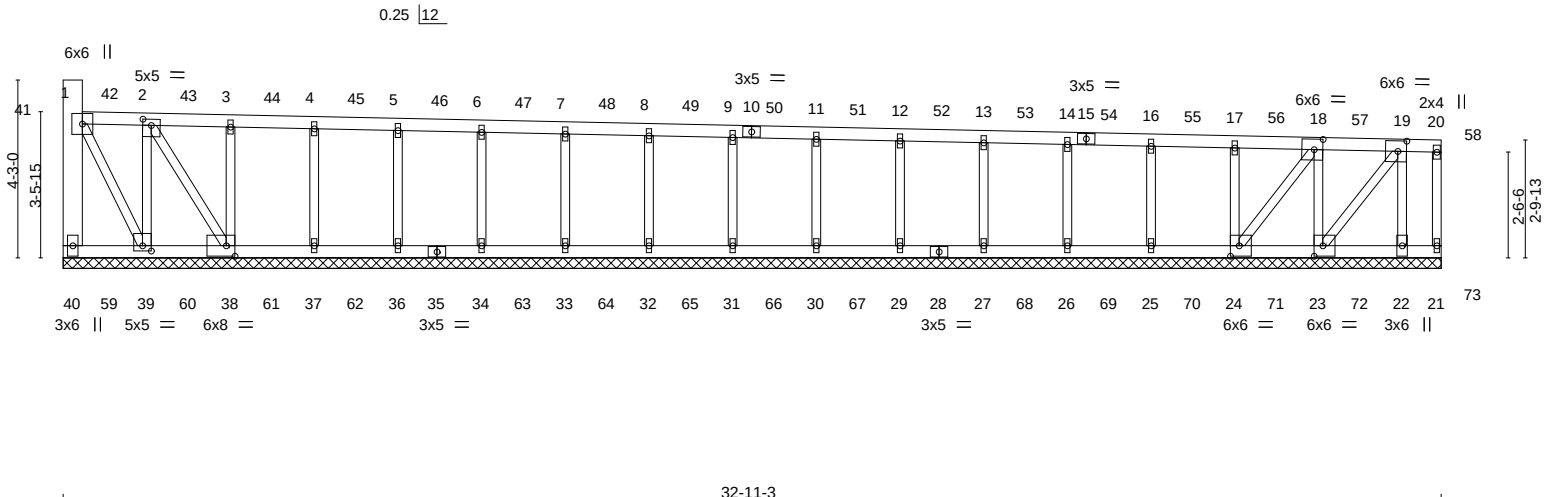


32-11-3
32-11-3

Plate Offsets (X,Y)-- [2:0-2-7,0-1-12], [18:0-2-8,0-3-0], [19:0-2-8,0-3-0], [23:0-2-8,0-3-0], [24:0-2-8,0-3-0], [38:0-2-8,0-3-0], [39:0-2-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.41	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.02	31	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 127 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2 *Except*
1-10: 2x4 SPF 1650F 1.4E
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
40-41: 2x6 SPF 1650F 1.4E
OTHERS 2x3 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-1-6 oc bracing.

REACTIONS. All bearings 32-11-3.
(lb) - Max Horz 40=-165(LC 15)
Max Uplift All uplift 100 lb or less at joint(s) 37, 36, 34, 33, 32, 31, 30, 29, 27, 26, 25 except 40=-2188(LC 14), 21=-130(LC 17), 39=-321(LC 17), 38=-1935(LC 17), 24=-1918(LC 14), 23=-263(LC 17), 22=-1617(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 21, 37, 36, 34, 33, 32, 31, 30, 29, 27, 26, 25 except 40=2139(LC 19), 39=368(LC 28), 38=1951(LC 20), 24=1958(LC 19), 23=375(LC 28), 22=1655(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-40=-2080/2146, 1-2=-1150/1175, 2-3=-2083/2084, 3-4=-1765/1765, 4-5=-1428/1452, 5-6=-1133/1136, 6-7=-817/821, 7-8=-501/505, 9-11=-480/484, 11-12=-795/800, 12-13=-1111/1116, 13-14=-1426/1433, 14-16=-1742/1749, 16-17=-2057/2046, 17-18=-2369/2381, 18-19=-1233/1240
BOT CHORD 39-40=-324/380, 38-39=-910/950, 37-38=-1790/1809, 36-37=-1474/1462, 34-36=-1158/1178, 33-34=-842/862, 32-33=-527/546, 30-31=-505/525, 29-30=-821/840, 27-29=-1137/1156, 26-27=-1453/1472, 25-26=-1768/1788, 24-25=-2084/2072, 23-24=-936/947, 22-23=-452/456
WEBS 2-39=-1822/1856, 18-23=-1960/1957, 19-22=-1664/1661, 1-39=-2357/2322, 2-38=-2329/2332, 19-23=-2158/2170, 18-24=-2393/2407

NOTES- (13)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (13)

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 37, 36, 34, 33, 32, 31, 30, 29, 27, 26, 25 except (jt=lb) 40=2188, 21=130, 39=321, 38=1935, 24=1918, 23=263, 22=1617.
11) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 5200 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 32-11-3 for 157.9 plf.
13) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

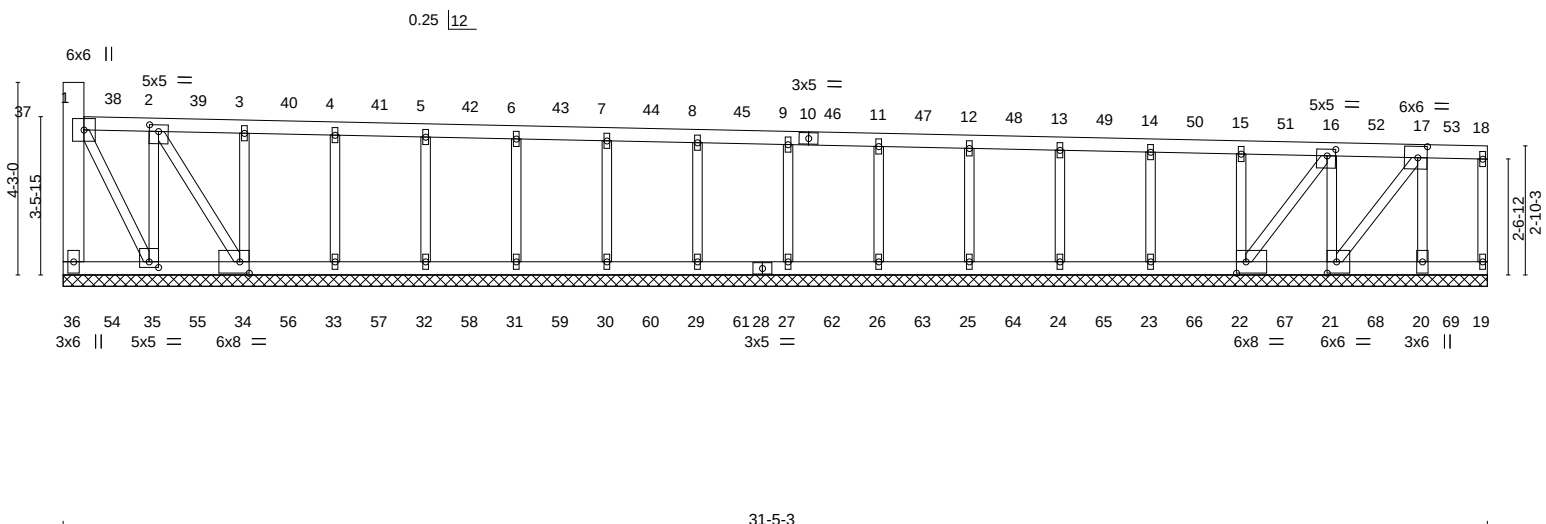
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	CSHR2	GABLE	8	1	I40748943
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:01 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-9CG38LenS868gVQFFcI8MRB?Y0GFfPBkKmvCBBzXhUi

31-5-3
31-5-3

Scale = 1:50.9



31-5-3
31-5-3

Plate Offsets (X,Y)-- [2:0-2-7,0-1-12], [16:0-2-4,0-1-12], [17:0-2-8,0-3-0], [21:0-2-8,0-3-0], [22:0-2-8,0-3-0], [34:0-2-8,0-3-0], [35:0-2-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.26	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.02	29	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 122 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.4E
BOT CHORD 2x4 SPF 1650F 1.4E
WEBS 2x3 SPF No.2 *Except*
36-37: 2x6 SPF 1650F 1.4E
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
5-3-14 oc bracing: 33-34
5-11-1 oc bracing: 32-33
5-5-6 oc bracing: 23-24
4-11-11 oc bracing: 22-23.

REACTIONS. All bearings 31-5-3.
(lb) - Max Horz 36=-166(LC 15)
Max Uplift All uplift 100 lb or less at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except 36=-2165(LC 14), 35=-322(LC 17), 34=-1913(LC 17), 22=-1958(LC 14), 21=-245(LC 17), 20=-1748(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except 36=2117(LC 19), 35=369(LC 28), 34=1929(LC 20), 22=1997(LC 19), 21=363(LC 28), 20=1789(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-36=-2058/2123, 1-2=-1138/1164, 2-3=-2042/2044, 3-4=-1709/1708, 4-5=-1359/1382, 5-6=-1047/1052, 6-7=-716/721, 7-8=-385/391, 8-9=-309/314, 9-11=-640/646, 11-12=-970/977, 12-13=-1301/1308, 13-14=-1631/1639, 14-15=-1962/1951, 15-16=-2288/2302, 16-17=-1159/1167
BOT CHORD 35-36=-341/395, 34-35=-887/926, 33-34=-1736/1756, 32-33=-1405/1392, 31-32=-1074/1094, 30-31=-744/764, 29-30=-413/433, 27-29=-337/357, 26-27=-667/687, 25-26=-998/1018, 24-25=-1329/1349, 23-24=-1660/1680, 22-23=-1991/1978, 21-22=-848/859, 20-21=-560/563
WEBS 2-35=-1800/1833, 16-21=-1989/1987, 17-20=-1781/1778, 1-35=-2332/2300, 2-34=-2299/2305, 17-21=-2210/2222, 16-22=-2433/2448

NOTES- (13)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (13)

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except (jt=lb) 36=2165, 35=322, 34=1913, 22=1958, 21=245, 20=1748.
11) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 5200 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 31-5-3 for 165.4 plf.
13) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DGE	GABLE	2	1	I40748944
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:02 2020 Page 1
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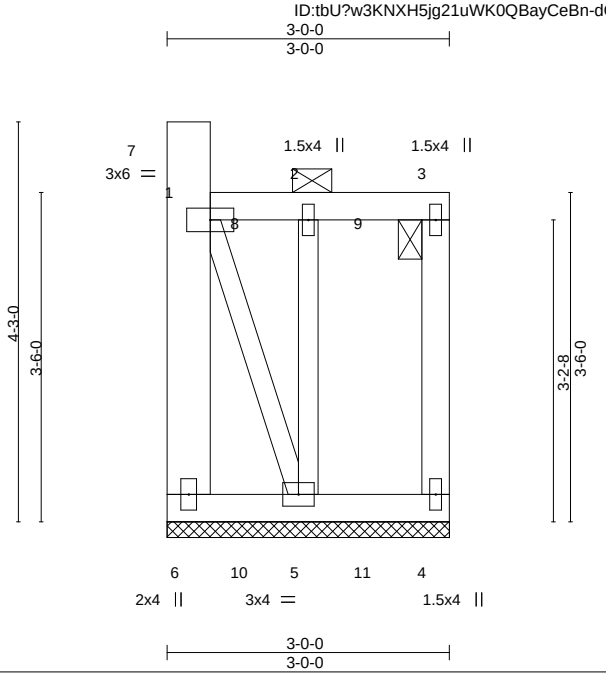

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH							Weight: 22 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
3-4: 2x4 SPF No.2, 1-5: 2x3 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-7, 1-3, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 6=3-0-0, 4=3-0-0, 5=3-0-0
Max Horz 6=-224(LC 4)
Max Uplift 6=-391(LC 4), 4=-36(LC 5), 5=-373(LC 5)
Max Grav 6=302(LC 5), 4=183(LC 21), 5=297(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-287/379
WEBS 1-5=-369/333

NOTES- (12)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 1-6-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 6=391, 5=373.
10) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ1	Flat	2	1	I40748945
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:03 2020 Page 1
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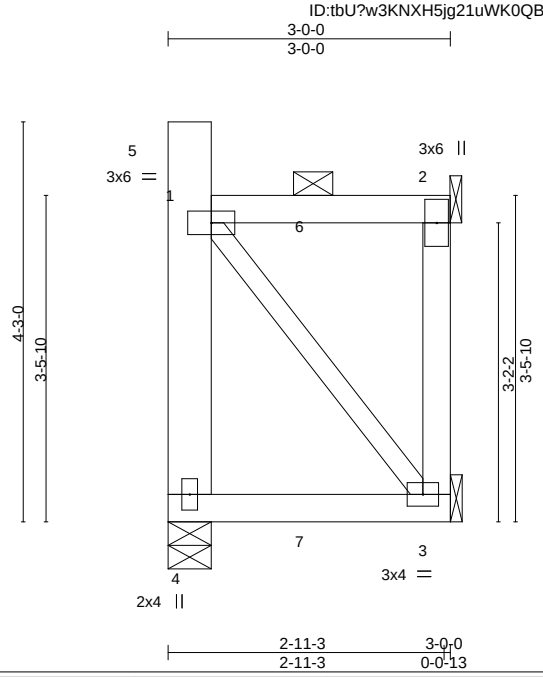

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 20 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-224(LC 4)
Max Uplift 4=-238(LC 4), 3=-167(LC 5), 2=-54(LC 4)
Max Grav 4=212(LC 12), 3=188(LC 17), 2=185(LC 14)

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

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=238, 3=167.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ2	Flat	2	1	I40748946
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:09 2020 Page 1
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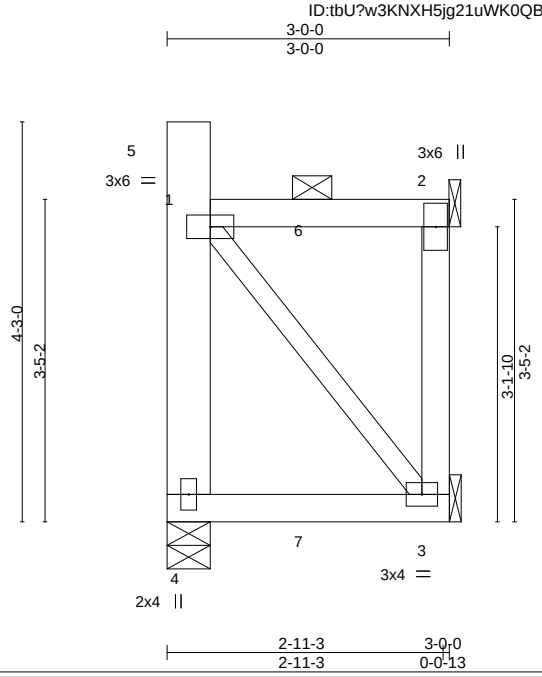

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 20 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-225(LC 4)
Max Uplift 4=-239(LC 4), 3=-166(LC 5), 2=-54(LC 4)
Max Grav 4=212(LC 12), 3=188(LC 17), 2=185(LC 14)

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

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=239, 3=166.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ3	Flat	2	1	I40748947
					Job Reference (optional)

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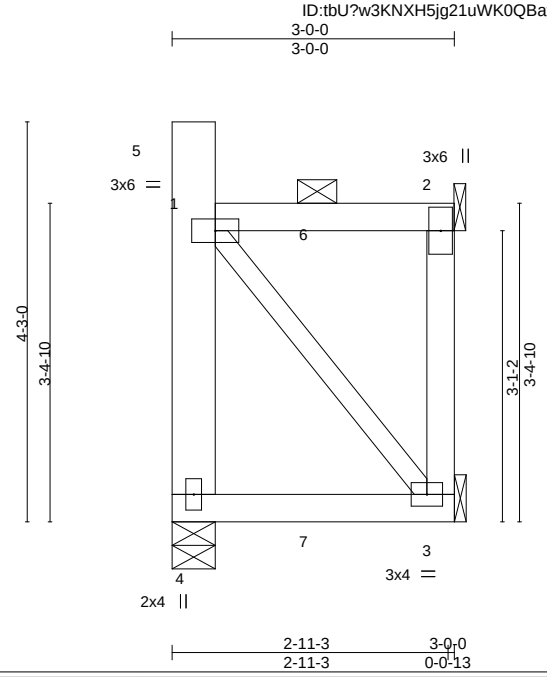

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 20 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-226(LC 4)
Max Uplift 4=-240(LC 4), 3=-166(LC 5), 2=-53(LC 4)
Max Grav 4=212(LC 12), 3=188(LC 17), 2=185(LC 14)

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

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=240, 3=166.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ4	Flat	2	1	I40748948
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:11 2020 Page 1
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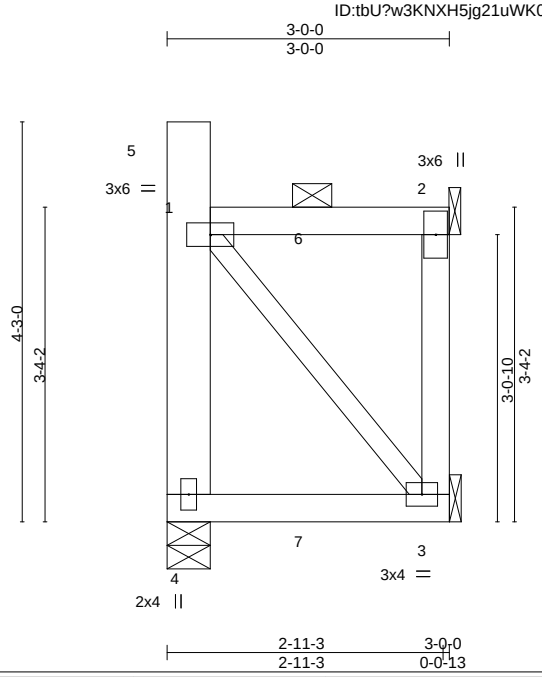

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-226(LC 4)
Max Uplift 4=-241(LC 4), 3=-166(LC 5), 2=-53(LC 4)
Max Grav 4=212(LC 12), 3=188(LC 17), 2=185(LC 14)

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

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=241, 3=166.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ5	Flat	2	1	I40748949
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:12 2020 Page 1

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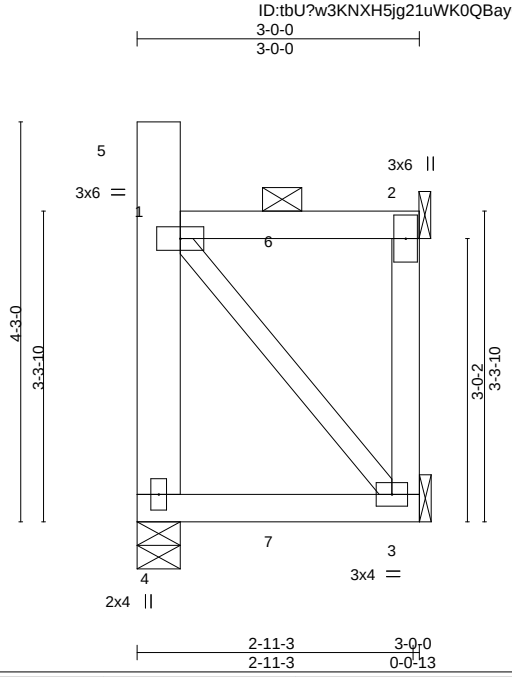

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-

TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-227(LC 4)
Max Uplift 4=-242(LC 4), 3=-165(LC 5), 2=-53(LC 4)
Max Grav 4=212(LC 12), 3=188(LC 17), 2=185(LC 14)

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

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=242, 3=165.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ6	Flat	2	1	I40748950
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:12 2020 Page 1

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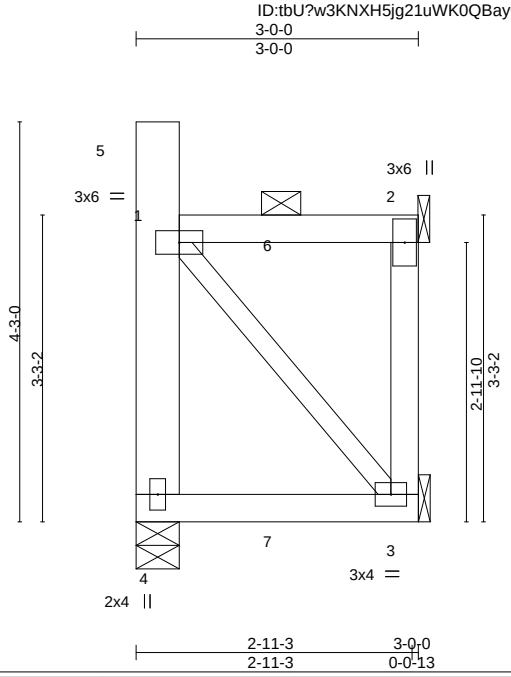

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-

TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-228(LC 4)
Max Uplift 4=-242(LC 4), 3=-165(LC 5), 2=-52(LC 4)
Max Grav 4=212(LC 12), 3=188(LC 4), 2=185(LC 14)

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

NOTES- (10)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=242, 3=165.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ7	Flat	2	1	I40748951
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:13 2020 Page 1
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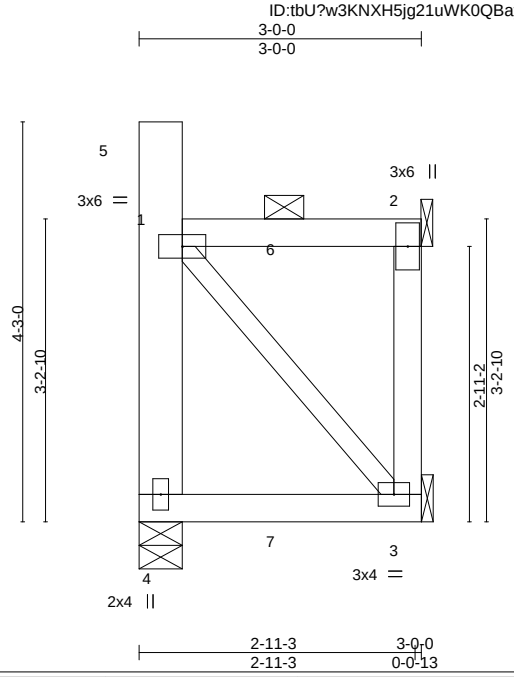

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-228(LC 4)
Max Uplift 4=-243(LC 4), 3=-165(LC 5), 2=-52(LC 4)
Max Grav 4=212(LC 12), 3=188(LC 4), 2=185(LC 14)

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

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=243, 3=165.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ8	Flat	2	1	I40748952
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:13 2020 Page 1
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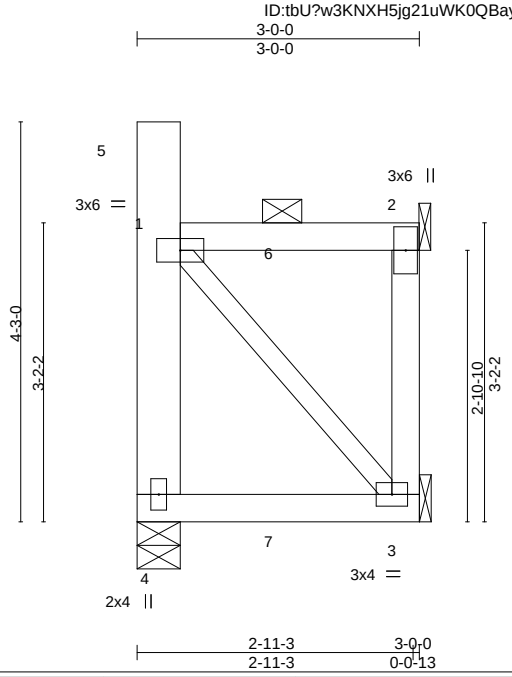

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-229(LC 4)
Max Uplift 4=-244(LC 4), 3=-164(LC 5), 2=-52(LC 5)
Max Grav 4=212(LC 12), 3=189(LC 4), 2=185(LC 14)

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

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=244, 3=164.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ9	Flat	2	1	I40748953
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:14 2020 Page 1
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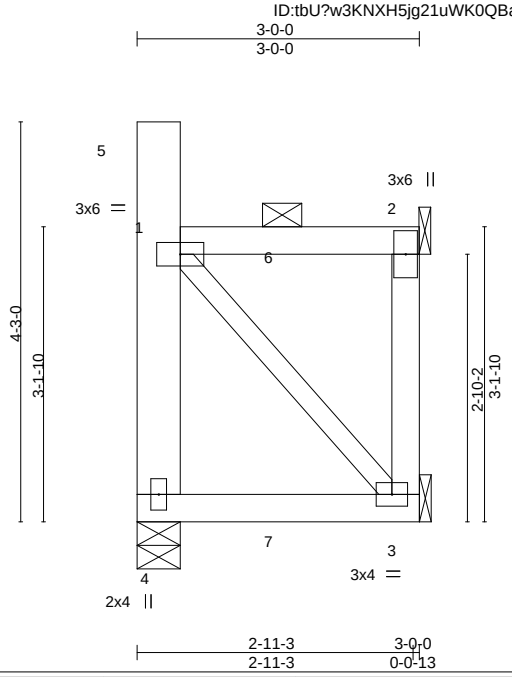

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-230(LC 4)
Max Uplift 4=-245(LC 4), 3=-164(LC 5), 2=-52(LC 5)
Max Grav 4=212(LC 12), 3=189(LC 4), 2=185(LC 14)

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

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=245, 3=164.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ10	Flat	2	1	I40748954
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:04 2020 Page 1
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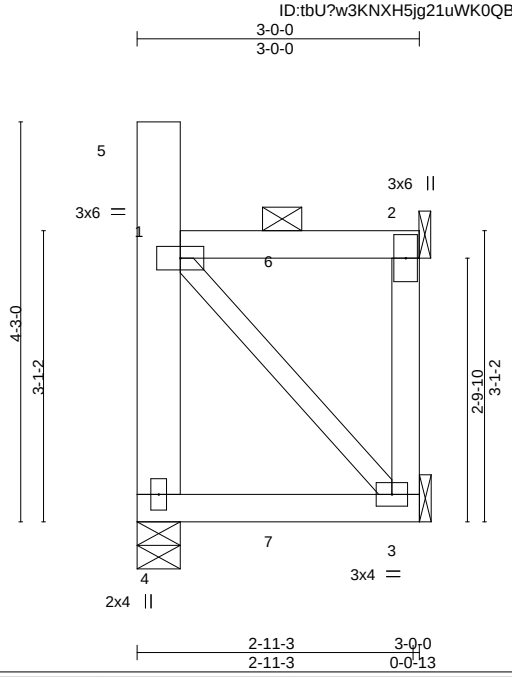


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-231(LC 4)
Max Uplift 4=-245(LC 4), 3=-164(LC 5), 2=-53(LC 5)
Max Grav 4=212(LC 12), 3=189(LC 4), 2=185(LC 14)

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

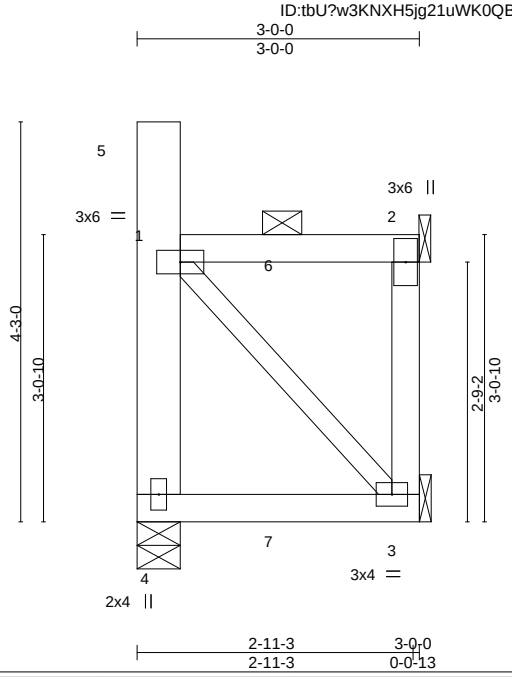
NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=245, 3=164.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ11	Flat	2	1	I40748955
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:04 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-ZnxCmMggl3UjXz9qwksr_3pZVDKFsx3B0k8soWzXhUf



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-231(LC 4)
Max Uplift 4=-246(LC 4), 3=-163(LC 5), 2=-53(LC 5)
Max Grav 4=212(LC 12), 3=190(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-251/220

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=246, 3=163.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ12	Flat	2	1	I40748956
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:05 2020 Page 1
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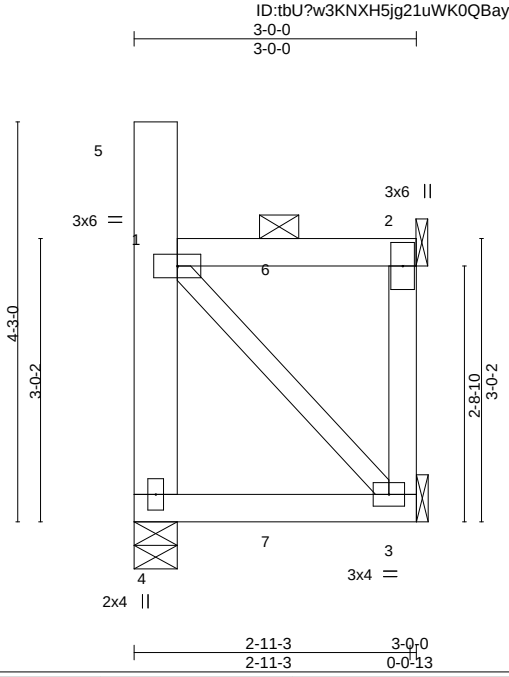


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-232(LC 4)
Max Uplift 4=-247(LC 4), 3=-163(LC 5), 2=-53(LC 5)
Max Grav 4=212(LC 12), 3=190(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-254/222

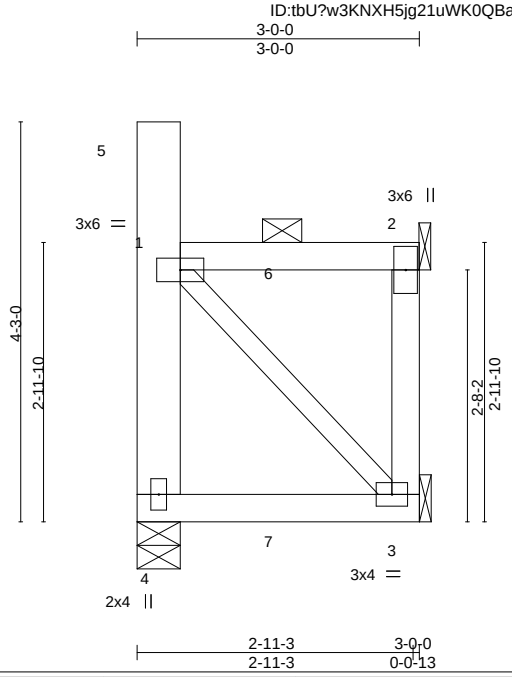
NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=247, 3=163.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ13	Flat	2	1	I40748957
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:06 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-VA3yB2hwHgkRmGJD29uJ3Uuv?10jKrZUT2dztOzXhUd



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-233(LC 4)
Max Uplift 4=-248(LC 4), 3=-163(LC 5), 2=-54(LC 5)
Max Grav 4=212(LC 12), 3=190(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-257/223

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=248, 3=163.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ14	Flat	2	1	I40748958
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:06 2020 Page 1
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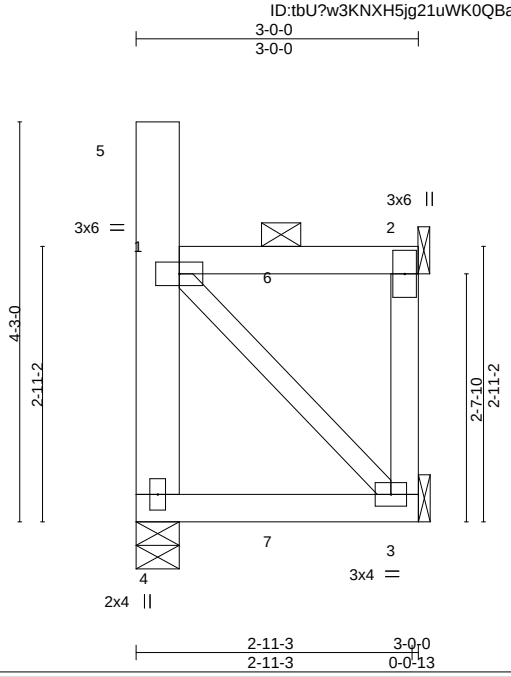

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-233(LC 4)
Max Uplift 4=-248(LC 4), 3=-162(LC 5), 2=-54(LC 5)
Max Grav 4=212(LC 12), 3=191(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-259/224

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=248, 3=162.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ15	Flat	2	1	I40748959
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:07 2020 Page 1
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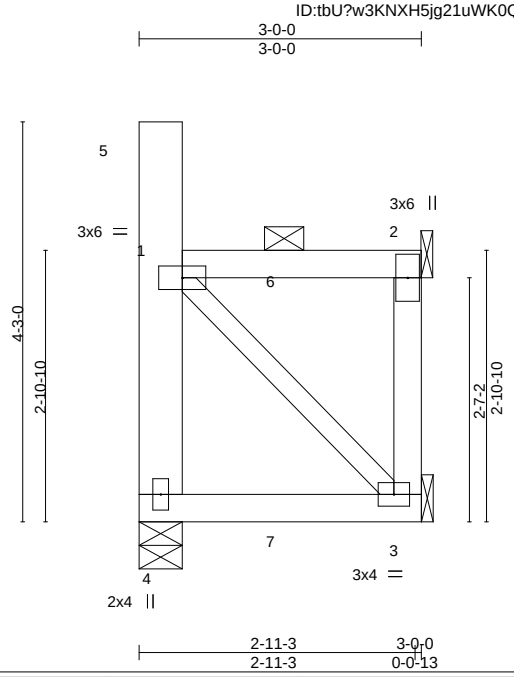

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-234(LC 4)
Max Uplift 4=-249(LC 4), 3=-162(LC 5), 2=-54(LC 5)
Max Grav 4=212(LC 12), 3=191(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-262/226

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=249, 3=162.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ16	Flat	2	1	I40748960
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:08 2020 Page 1
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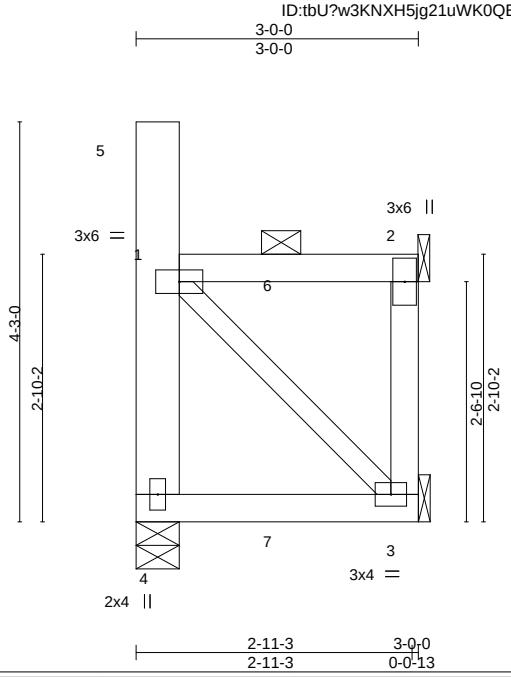

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-235(LC 4)
Max Uplift 4=-250(LC 4), 3=-162(LC 5), 2=-55(LC 5)
Max Grav 4=212(LC 12), 3=191(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-265/228

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=250, 3=162.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ17	Flat	2	1	I40748961
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:08 2020 Page 1
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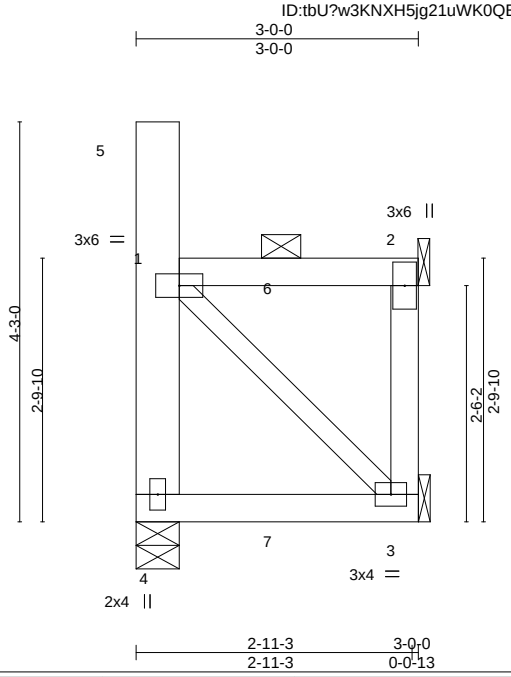


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 19 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-236(LC 4)
Max Uplift 4=-250(LC 4), 3=-161(LC 5), 2=-55(LC 5)
Max Grav 4=212(LC 12), 3=192(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-268/229

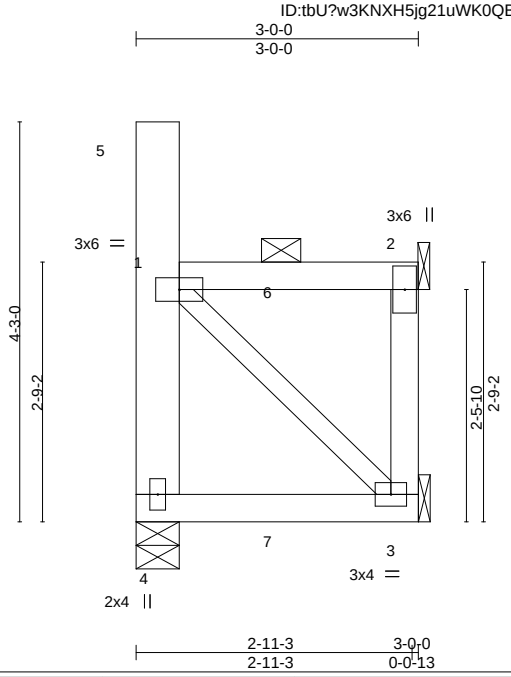
NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=250, 3=161.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	DJ18	Flat	2	1	I40748962
					Job Reference (optional)

Select Trusses and Lumber Inc, West Salem, WI - 54669, 8.330 s Mar 10 2020 MiTek Industries, Inc. Tue Mar 24 14:56:09 2020 Page 1
ID:tbU?w3KNXH5jg21uWK0QBayCeBn-wlk5p4kpab6?dk1ojHR0h7WQFE1RXBLw90rdTjzXhUa



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.01	3-4	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	-0.00	4	>999	240	Weight: 18 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF 1650F 1.4E *Except*
2-3: 2x4 SPF No.2, 1-3: 2x3 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-5, 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 3=Mechanical, 2=Mechanical
Max Horz 4=-236(LC 4)
Max Uplift 4=-251(LC 4), 3=-161(LC 5), 2=-55(LC 5)
Max Grav 4=212(LC 12), 3=192(LC 4), 2=185(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-271/231

NOTES- (10)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00, Lu=157-2-0
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=251, 3=161.
7) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	E1	MONOPITCH	12	1	I40748963
					Job Reference (optional)

Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:07:42 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-0MDw6E0k33o4A?bQONjONxejD2Deebbo40ID1UzXQd?

5-2-11	10-0-12	15-7-11	21-3-1	25-11-3	29-9-6
5-2-11	4-10-1	5-6-15	5-7-6	4-8-2	3-10-3

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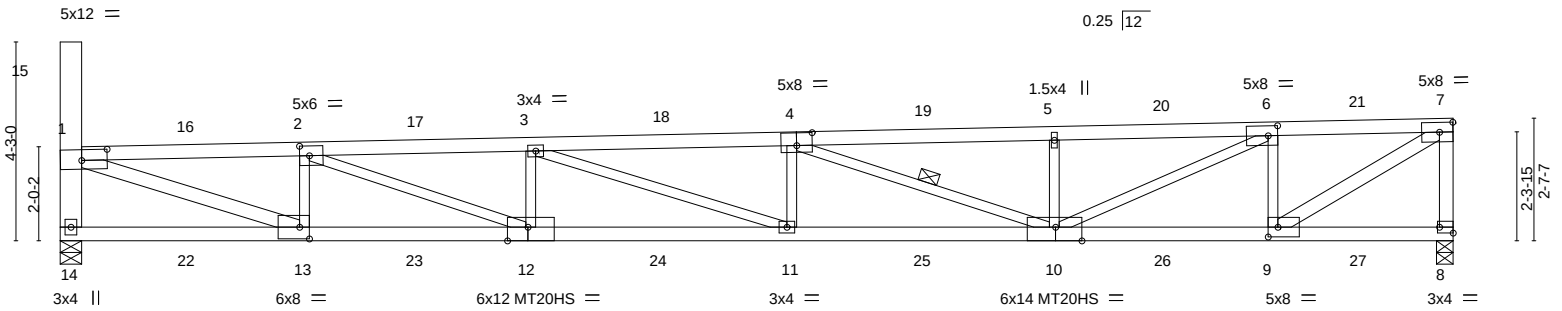

5-2-11	10-0-12	15-7-11	21-3-1	25-11-3	29-9-6
5-2-11	4-10-1	5-6-15	5-7-6	4-8-2	3-10-3

Plate Offsets (X,Y)-- [1:0-6-9,0-2-12], [2:0-2-8,0-2-8], [4:0-4-0,0-3-4], [6:0-2-7,0-2-9], [7:0-3-7,0-2-8], [8:Edge,0-1-8], [9:0-2-8,0-2-8], [10:0-6-12,Edge], [12:0-5-4,Edge], [13:0-2-8,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	42.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.78	11-12	>455	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.77	Vert(CT)	-1.15	11-12	>308	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.15	8	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.21	11-12	>999	240	Weight: 111 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.4E

BOT CHORD 2x4 SPF 1650F 1.4E *Except*
8-10: 2x4 SPF No.2, 10-12: 2x4 SPF 2100F 1.8E

WEBS 2x3 SPF No.2 *Except*
14-15: 2x6 SPF 1650F 1.4E, 7-8,7-9: 2x4 SPF No.2
1-13: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals. [PS]

BOT CHORD Rigid ceiling directly applied or 6-8-15 oc bracing.

WEBS 1 Row at midpt 4-10

REACTIONS. (lb/size) 14=1931/0-5-8, 8=1830/0-4-4
Max Horz 14=184(LC 5)
Max Uplift 14=-362(LC 4), 8=-362(LC 5)

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

TOP CHORD 1-14=-1863/361, 1-16=-4353/945, 2-16=-4345/945, 2-17=-6362/1302, 3-17=-6357/1302, 3-18=-6720/1335, 4-18=-6714/1336, 4-19=-5189/1014, 5-19=-5182/1014, 5-20=-5181/1016, 6-20=-5176/1016, 6-21=-2718/526, 7-21=-2713/527, 7-8=-1790/362

BOT CHORD 14-22=-250/200, 13-22=-250/200, 13-23=-994/4345, 12-23=-994/4345, 12-24=-1352/6376, 11-24=-1352/6376, 11-25=-1378/6713, 10-25=-1378/6713, 10-26=-554/2713, 9-26=-554/2713

WEBS 1-13=-876/4423, 2-13=-1357/294, 2-12=-460/2151, 3-12=-659/169, 3-11=-111/356, 4-10=-1632/347, 5-10=-528/127, 6-10=-552/2735, 6-9=-1594/340, 7-9=-627/3158

NOTES- (11)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Bearings are assumed to be: Joint 14 SPF No.2 crushing capacity of 425 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=362, 8=362.
8) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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.

March 25,2020

LOAD CASE(S) Standard

Continued on page 2

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-104, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-2=-105(F=-1)
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-83, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-2=-84(F=-1)
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 2-7=-90, 8-14=-20
   Horz: 1-14=-12, 1-15=19, 1-7=7, 7-8=-17
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-2=-91(F=-1)
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 2-7=-90, 8-14=-20
   Horz: 1-14=17, 1-15=-29, 1-7=7, 7-8=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-2=-91(F=-1)
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-60, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-2=-61(F=-1)
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 1=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 16=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 17=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 18=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 19=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 20=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 21=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Continued on page 3

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 4=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Continued on page 4

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	E2	MONOPITCH	40	1	I40748964
					Job Reference (optional)

Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:11:13 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-LyThONa4NuN8_QD_FB?tRRtpe5Dta?qsbLvuwlzXQZi

5-2-11	10-0-12	15-7-11	21-3-1	25-11-3	31-3-6
5-2-11	4-10-1	5-6-15	5-7-6	4-8-2	5-4-3

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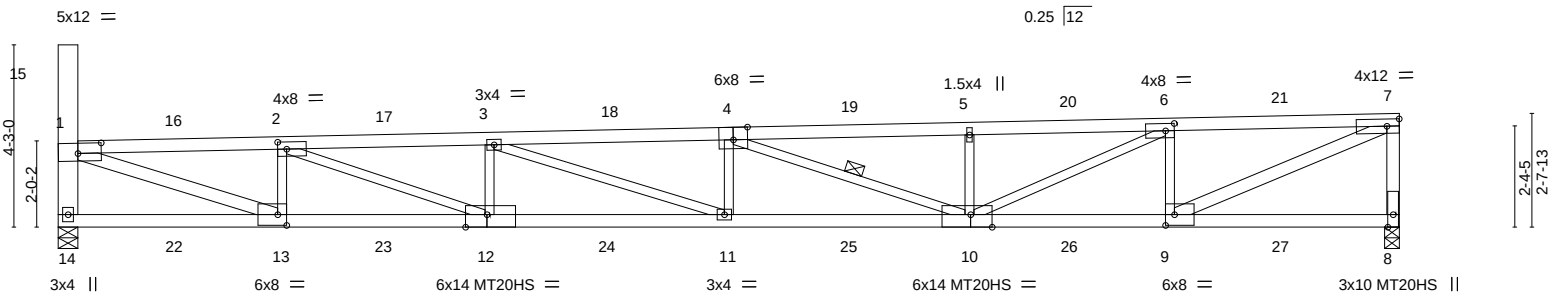

5-2-11	10-0-12	15-7-11	21-3-1	25-11-3	31-3-6
5-2-11	4-10-1	5-6-15	5-7-6	4-8-2	5-4-3

Plate Offsets (X,Y)-- [1:0-6-9,0-2-14], [2:0-2-8,0-2-0], [4:0-4-0,Edge], [6:0-2-7,0-2-1], [7:0-3-7,0-2-0], [9:0-2-8,0-3-0], [10:0-6-0,Edge], [12:0-6-0,Edge], [13:0-2-8,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	42.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.86	11	>432	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.84	Vert(CT)	-1.26	11	>294	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.17	8	n/a	n/a		
BCLL	0.0	Code WISC/IBC15/TPI2014		Matrix-SH		Wind(LL)	0.23	11	>999	240	Weight: 116 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.4E *Except*
1-4: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 1650F 1.4E *Except*
10-12: 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
14-15: 2x6 SPF 1650F 1.4E, 7-8,7-9: 2x4 SPF No.2
1-13: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-1-15 oc purlins, except end verticals. [PS]
BOT CHORD Rigid ceiling directly applied or 6-5-2 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS. (lb/size) 14=2025/0-5-8, 8=1923/0-4-2
Max Horz 14=184(LC 5)
Max Uplift 14=-379(LC 4), 8=-379(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1957/378, 1-16=-4604/993, 2-16=-4596/994, 2-17=-6832/1393, 3-17=-6826/1393, 3-18=-7428/1474, 4-18=-7422/1474, 4-19=-6088/1191, 5-19=-6082/1191, 5-20=-6081/1192, 6-20=-6071/1192, 6-21=-3806/736, 7-21=-3800/736, 7-8=-1862/379
BOT CHORD 13-23=-1043/4596, 12-23=-1043/4596, 12-24=-1444/6848, 11-24=-1444/6848, 11-25=-1519/7425, 10-25=-1519/7425, 10-26=-768/3799, 9-26=-768/3799
WEBS 1-13=-921/4680, 2-13=-1440/308, 2-12=-503/2385, 3-12=-742/185, 3-11=-157/605, 4-10=-1432/308, 5-10=-507/122, 6-10=-511/2527, 6-9=-1592/344, 7-9=-810/4089

NOTES- (11)
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=379, 8=379.
8) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
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) Standard

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March 25,2020

Continued on page 2

MiTek
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Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-104, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-2=-105(F=-1)
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-83, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-2=-84(F=-1)
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 2-7=-90, 8-14=-20
   Horz: 1-14=-12, 1-15=19, 1-7=7, 7-8=-17
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-2=-91(F=-1)
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 2-7=-90, 8-14=-20
   Horz: 1-14=17, 1-15=-28, 1-7=7, 7-8=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-2=-91(F=-1)
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-60, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-2=-61(F=-1)
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 1=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 16=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 17=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 18=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 19=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 20=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 21=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Continued on page 3

LOAD CASE(S) Standard

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 4=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Continued on page 4

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Chesterfield, MO 63017

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof
63379	E3	MONOPITCH	3	1	I40748965
					Job Reference (optional)

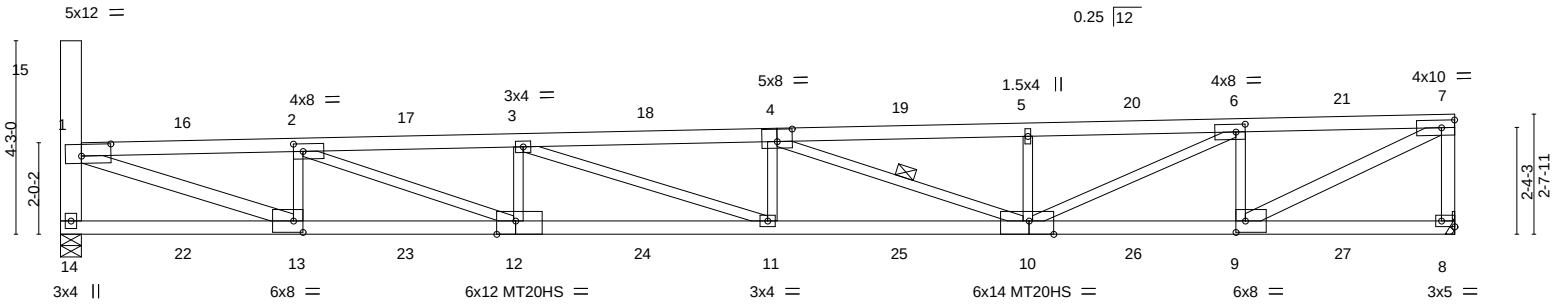
Select Trusses & Lumber Inc., West Salem, WI

8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:12:09 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-ijss8XFDB6RBi1VlXy0?iFCODgKkiLG6T3UsuWzXQYq

5-2-11	10-0-12	15-7-11	21-3-1	25-11-3	30-7-10
5-2-11	4-10-1	5-6-15	5-7-6	4-8-2	4-8-7

Scale = 1:50.6



5-2-11	10-0-12	15-7-11	21-3-1	25-11-3	30-7-10
5-2-11	4-10-1	5-6-15	5-7-6	4-8-2	4-8-7

Plate Offsets (X,Y)-- [1:0-7-13,0-3-1], [2:0-2-8,0-2-0], [4:0-4-0,0-3-4], [6:0-2-7,0-2-1], [7:0-3-7,0-2-0], [8:Edge,0-1-8], [9:0-2-8,0-3-0], [10:0-6-8,Edge], [12:0-5-0,Edge], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.79	11-12	>458	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-1.17	11-12	>311	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.16	8	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH		Wind(LL)	0.21	11	>999	240	Weight: 114 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.4E *Except*
1-4: 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF 1650F 1.4E *Except*
8-10: 2x4 SPF No.2, 10-12: 2x4 SPF 2100F 1.8E

WEBS 2x3 SPF No.2 *Except*
14-15: 2x6 SPF 1650F 1.4E, 7-8,7-9: 2x4 SPF No.2
1-13: 2x4 SPF 1650F 1.4E

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except [PS] end verticals.

BOT CHORD Rigid ceiling directly applied or 6-6-12 oc bracing.

WEBS 1 Row at midpt 4-10

REACTIONS. (lb/size) 14=1984/0-5-8, 8=1883/Mechanical
Max Horz 14=184(LC 5)
Max Uplift 14=-371(LC 4), 8=-372(LC 5)

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

TOP CHORD 1-14=-1917/371, 1-16=-4494/972, 2-16=-4487/973, 2-17=-6628/1353, 3-17=-6623/1354, 3-18=-7125/1415, 4-18=-7119/1415, 4-19=-5701/1115, 5-19=-5695/1115, 5-20=-5694/1116, 6-20=-5689/1117, 6-21=-3335/643, 7-21=-3329/643, 7-8=-1830/371

BOT CHORD 13-23=-1022/4486, 12-23=-1022/4486, 12-24=-1404/6644, 11-24=-1404/6644, 11-25=-1459/7120, 10-25=-1459/7120, 10-26=-676/3329, 9-26=-676/3329

WEBS 1-13=-900/4566, 2-13=-1402/301, 2-12=-485/2284, 3-12=-707/178, 3-11=-138/501, 4-10=-1520/325, 5-10=-518/125, 6-10=-529/2620, 6-9=-1591/342, 7-9=-730/3678

NOTES- (13)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 4 = 18%, joint 1 = 18%
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearings are assumed to be: Joint 14 SPF No.2 crushing capacity of 425 psi.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=371, 8=372.
10) Load case(s) 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
13) The component design assumes trusses will be suitably protected from the environment and any adverse contaminants in accordance with ANSI/TPI1.

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March 25,2020

Continued on page 2

LOAD CASE(S) Standard

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-104, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-2=-105(F=-1)
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-83, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-2=-84(F=-1)
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 2-7=-90, 8-14=-20
   Horz: 1-14=-12, 1-15=19, 1-7=7, 7-8=-17
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-2=-91(F=-1)
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 2-7=-90, 8-14=-20
   Horz: 1-14=17, 1-15=-29, 1-7=7, 7-8=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-2=-91(F=-1)
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 2-7=-60, 8-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-2=-61(F=-1)
12) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 1=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
13) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 16=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
14) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 17=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
15) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 18=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
16) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 19=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
17) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 20=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)
18) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-7=-20, 8-14=-20
   Concentrated Loads (lb)
   Vert: 21=-160
   Trapezoidal Loads (plf)
   Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Continued on page 3

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

19) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

20) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

21) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

22) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 4=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

23) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

24) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

25) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

26) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

27) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

28) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

29) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Continued on page 4

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

30) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

31) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

32) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

33) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

34) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

35) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 10=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

36) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

37) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=-20, 8-14=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-2=-21(F=-1)

Job	Truss	Truss Type	Qty	Ply	Cannery Trails - Roof	
63379	ESHR	GABLE	6	1	Job Reference (optional)	I40748966

Select Trusses & Lumber Inc., West Salem, WI

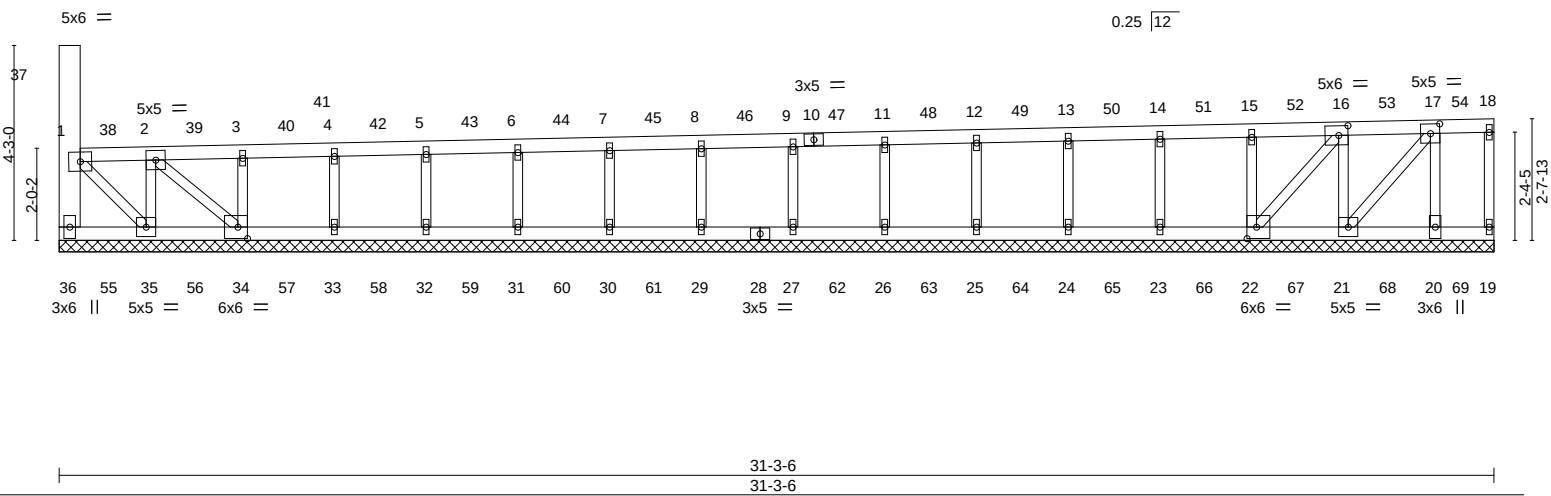
8.330 e Mar 10 2020 MiTek Industries, Inc. Wed Mar 25 10:13:42 2020 Page 1

ID:tbU?w3KNXH5jg21uWK0QBayCeBn-Ucz0fKNYHg9?MK6cT_BpzsYOa9DO?Ueos1VHfdzXQXN

31-3-6

31-3-6

Scale = 1:50.2



31-3-6

31-3-6

Plate Offsets (X,Y)-- [16:0-2-7,0-2-8], [17:0-2-7,0-2-8], [18:0-0-0,0-0-0], [19:0-0-0,0-0-0], [22:0-2-8,0-3-0], [28:0-0-0,0-0-0], [34:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	42.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.29	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.02	27	n/a	n/a		
BCLL	0.0	Code	WISC/IBC15/TPI2014	Matrix-SH							Weight: 109 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.4E
BOT CHORD	2x4 SPF 1650F 1.4E
WEBS	2x3 SPF No.2 *Except* 36-37: 2x6 SPF 1650F 1.4E
OTHERS	2x3 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-6-7 oc purlins, except [PS] end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 4-11-8 oc bracing: 33-34 5-5-3 oc bracing: 32-33 5-11-13 oc bracing: 23-24 5-4-7 oc bracing: 22-23.

REACTIONS. All bearings 31-3-6.

(lb) - Max Horz 36=184(LC 16)

Max Uplift All uplift 100 lb or less at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except 36=-1323(LC 14), 35=-192(LC 16), 34=-1323(LC 17), 22=-1605(LC 14), 21=-242(LC 17), 20=-1307(LC 17)

Max Grav All reactions 250 lb or less at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except 36=1287(LC 21), 35=312(LC 27), 34=1336(LC 18), 22=1652(LC 21), 21=364(LC 28), 20=1348(LC 18)

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

TOP CHORD	1-36=-1258/1302, 1-38=-1239/1238, 2-38=-974/974, 2-39=-2329/2338, 3-39=-2029/2064, 3-40=-1995/1976, 40-41=-1829/1840, 4-41=-1774/1757, 4-42=-1663/1673, 5-42=-1496/1479, 5-43=-1331/1340, 6-43=-1162/1174, 6-44=-999/1007, 7-44=-832/841, 7-45=-667/674, 8-45=-500/508, 8-46=-335/341, 11-47=-374/382, 11-48=-541/546, 12-48=-707/714, 12-49=-871/879, 13-49=-1040/1046, 13-50=-1207/1197, 14-50=-1373/1378, 14-51=-1523/1543, 15-51=-1705/1696, 15-52=-1752/1786, 16-52=-2021/2043, 16-53=-834/832, 17-53=-985/996
BOT CHORD	36-55=-265/263, 35-55=-465/464, 35-56=-988/983, 34-56=-822/817, 34-57=-2003/2015, 33-57=-1837/1849, 33-58=-1671/1654, 32-58=-1501/1516, 32-59=-1338/1350, 31-59=-1172/1154, 31-60=-1006/1017, 30-60=-839/851, 30-61=-673/685, 29-61=-507/518, 28-29=-341/352, 26-62=-380/392, 26-63=-547/558, 25-63=-713/724, 25-64=-878/891, 24-64=-1045/1057, 24-65=-1211/1194, 23-65=-1378/1389, 23-66=-1542/1556, 22-66=-1710/1693, 22-67=-499/506, 21-67=-666/673, 21-68=-537/540, 20-68=-352/241
WEBS	2-35=-1284/1300, 16-21=-1591/1592, 17-20=-1332/1334, 1-35=-1729/1724, 2-34=-1978/2001, 17-21=-1779/1775, 16-22=-2099/2101

NOTES- (16)

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=0.6psf; h=25ft; Cat. II; Exp B; Enclosed; C-C Exterior(2); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pg= 60.0 psf (ground snow); Pf=42.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.

Continued on page 2

WISCONSIN
XUEGANG LIU
35869
ST. LOUIS MO
PROFESSIONAL ENGINEER

March 25,2020

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

NOTES- (16)

7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23 except (jt=lb) 36=1323, 35=192, 34=1323, 22=1605, 21=242, 20=1307.
12) Load case(s) 1, 2, 9, 10, 11, 12, 13, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 150.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
14) This truss has been designed for a total drag load of 5200 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 31-3-6 for 166.2 plf.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
16) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 18-41=-104, 19-36=-20
   Trapezoidal Loads (plf)
   Vert: 1=-149(F=-45)-to-41=-104
2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 18-41=-83, 19-36=-20
   Trapezoidal Loads (plf)
   Vert: 1=-117(F=-34)-to-41=-83
9) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 18-41=-90, 19-36=-20
   Horz: 1-36=-12, 1-37=19, 1-18=7, 18-19=-17
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-41=-90
10) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 18-41=-90, 19-36=-20
   Horz: 1-36=17, 1-37=-28, 1-18=7, 18-19=12
   Trapezoidal Loads (plf)
   Vert: 1=-124(F=-34)-to-41=-90
11) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 18-41=-60, 19-36=-20
   Trapezoidal Loads (plf)
   Vert: 1=-105(F=-45)-to-41=-60
12) Dead + 0.75 Snow (balanced) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 18-41=-80, 19-36=-20
   Horz: 1-38=5984, 2-38=5984, 2-39=5984, 3-39=5984, 3-40=5984, 40-41=5984, 4-41=5984, 4-42=5984, 5-42=5984, 5-43=5984, 6-43=5984, 6-44=5984, 7-44=5984, 7-45=5984, 8-45=5984, 8-46=5984, 9-46=5984, 9-10=5984, 10-47=5984, 47-48=5984, 12-48=5984, 12-49=5984, 13-49=5984, 13-50=5984, 14-50=5984, 14-51=5984, 15-51=5984, 15-52=5984, 16-52=5984, 16-53=5984, 17-53=5984, 17-54=5984, 18-54=5984
   Drag: 19-36=-125
   Trapezoidal Loads (plf)
   Vert: 1=-114(F=-34)-to-41=-80
13) Dead + 0.75 Snow (balanced) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 18-41=-86, 19-36=-20
   Horz: 1-38=-5984, 2-38=-5984, 2-39=-5984, 3-39=-5984, 3-40=-5984, 40-41=-5984, 4-41=-5984, 4-42=-5984, 5-42=-5984, 5-43=-5984, 6-43=-5984, 6-44=-5984, 7-44=-5984, 7-45=-5984, 8-45=-5984, 8-46=-5984, 46-47=-5984, 47-48=-5984, 12-48=-5984, 12-49=-5984, 13-49=-5984, 13-50=-5984, 14-50=-5984, 14-51=-5984, 15-51=-5984, 15-52=-5984, 16-52=-5984, 16-53=-5984, 17-53=-5984, 17-54=-5984, 18-54=-5984
   Drag: 19-36=125
   Trapezoidal Loads (plf)
   Vert: 1=-119(F=-34)-to-41=-86
26) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 18-41=-87, 19-36=-20
   Horz: 1-36=-12, 1-37=19, 1-38=5991, 2-38=5991, 2-39=5991, 3-39=5991, 3-40=5991, 40-41=5991, 4-41=5991, 4-42=5991, 5-42=5991, 5-43=5991, 6-43=5991, 6-44=5991, 7-44=5991, 7-45=5991, 8-45=5991, 8-46=5991, 9-46=5991, 9-10=5991, 10-47=5991, 47-48=5991, 12-48=5991, 12-49=5991, 13-49=5991, 13-50=5991, 14-50=5991, 14-51=5991, 15-51=5991, 15-52=5991, 16-52=5991, 16-53=5991, 17-53=5991, 17-54=5991, 18-54=5991, 18-19=-17
   Drag: 19-36=-125
   Trapezoidal Loads (plf)
   Vert: 1=-121(F=-34)-to-41=-87
27) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 1) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33

Continued on page 3

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 18-41=-92, 19-36=-20
Horz: 1-36=-12, 1-37=19, 1-38=-5977, 2-38=-5977, 2-39=-5977, 3-39=-5977, 3-40=-5977, 40-41=-5977, 4-41=-5977, 4-42=-5977, 5-42=-5977, 5-43=-5977, 6-43=-5977, 6-44=-5977, 7-44=-5977, 7-45=-5977, 8-45=-5977, 8-46=-5977, 9-46=-5977, 9-10=-5977, 10-47=-5977, 47-48=-5977, 12-48=-5977, 12-49=-5977, 13-49=-5977, 13-50=-5977, 14-50=-5977, 14-51=-5977, 15-51=-5977, 15-52=-5977, 16-52=-5977, 16-53=-5977, 17-53=-5977, 17-54=-5977, 18-54=-5977, 18-19=-17
Drag: 19-36=125
Trapezoidal Loads (plf)
Vert: 1=-126(F=-34)-to-41=-92

28) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 18-41=-87, 19-36=-20
Horz: 1-36=17, 1-37=-28, 1-38=5991, 2-38=5991, 2-39=5991, 3-39=5991, 3-40=5991, 40-41=5991, 4-41=5991, 4-42=5991, 5-42=5991, 5-43=5991, 6-43=5991, 6-44=5991, 7-44=5991, 7-45=5991, 8-45=5991, 8-46=5991, 9-46=5991, 9-10=5991, 10-47=5991, 47-48=5991, 12-48=5991, 12-49=5991, 13-49=5991, 13-50=5991, 14-50=5991, 14-51=5991, 15-51=5991, 15-52=5991, 16-52=5991, 16-53=5991, 17-53=5991, 17-54=5991, 18-54=5991, 18-19=12
Drag: 19-36=-125
Trapezoidal Loads (plf)
Vert: 1=-121(F=-34)-to-41=-87

29) Dead + 0.75 Snow (bal.) + 0.75(0.6 C-C Wind (Neg. Int) Case 2) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 18-41=-92, 19-36=-20
Horz: 1-36=17, 1-37=-28, 1-38=-5977, 2-38=-5977, 2-39=-5977, 3-39=-5977, 3-40=-5977, 40-41=-5977, 4-41=-5977, 4-42=-5977, 5-42=-5977, 5-43=-5977, 6-43=-5977, 6-44=-5977, 7-44=-5977, 7-45=-5977, 8-45=-5977, 8-46=-5977, 9-46=-5977, 9-10=-5977, 10-47=-5977, 47-48=-5977, 12-48=-5977, 12-49=-5977, 13-49=-5977, 13-50=-5977, 14-50=-5977, 14-51=-5977, 15-51=-5977, 15-52=-5977, 16-52=-5977, 16-53=-5977, 17-53=-5977, 17-54=-5977, 18-54=-5977, 18-19=12
Drag: 19-36=125
Trapezoidal Loads (plf)
Vert: 1=-126(F=-34)-to-41=-92

30) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 1=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

31) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 38=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

32) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 39=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

33) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 40=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

34) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 42=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

35) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 43=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

36) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 44=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 4

LOAD CASE(S) Standard

37) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 45=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

38) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 46=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

39) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 47=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

40) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 48=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

41) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 49=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

42) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 50=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

43) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 51=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

44) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 52=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

45) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 53=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

46) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 54=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

47) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 18=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 5

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

48) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 2=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

49) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 3=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

50) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 4=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

51) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 5=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

52) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 6=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

53) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 7=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

54) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 8=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

55) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 9=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

56) 27th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 11=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

57) 28th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 12=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

58) 29th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 13=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 6

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

LOAD CASE(S) Standard

59) 30th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 14=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

60) 31st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 15=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

61) 32nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 16=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

62) 33rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 17=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

63) 34th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 55=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

64) 35th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 56=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

65) 36th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 57=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

66) 37th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 58=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

67) 38th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 59=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

68) 39th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 60=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

69) 40th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 61=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 7

LOAD CASE(S) Standard

70) 41st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 28=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

71) 42nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 62=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

72) 43rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 63=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

73) 44th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 64=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

74) 45th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 65=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

75) 46th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 66=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

76) 47th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 67=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

77) 48th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 68=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

78) 49th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 69=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

79) 50th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 36=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

80) 51st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 35=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 8

LOAD CASE(S) Standard

81) 52nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 34=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

82) 53rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 33=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

83) 54th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 32=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

84) 55th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 31=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

85) 56th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 30=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

86) 57th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 29=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

87) 58th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 27=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

88) 59th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 26=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

89) 60th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 25=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

90) 61st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 24=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

91) 62nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 23=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

Continued on page 9

LOAD CASE(S) Standard

92) 63rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 22=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

93) 64th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 21=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

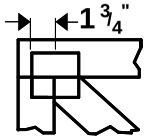
94) 65th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 20=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

95) 66th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 18-41=-20, 19-36=-20
Concentrated Loads (lb)
Vert: 19=-160
Trapezoidal Loads (plf)
Vert: 1=-65(F=-45)-to-41=-20

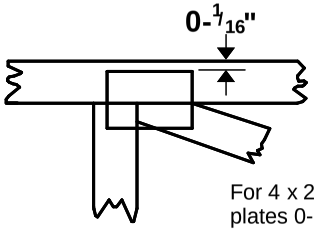
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

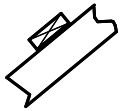
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

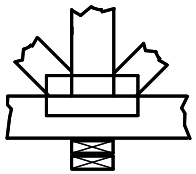
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

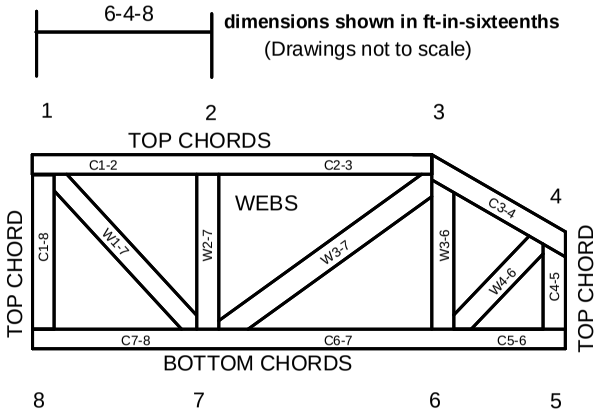


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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