MiTek®

PRCNC20250094

These calculations must be on site and made available by the Permittee for all inspections.

MiTek, Inc.
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571

Re: 4623747
MKM EAST TOWN CROSSING LOT 1#

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Arlington, WA).

Pages or sheets covered by this seal: R88389159 thru R88389179

My license renewal date for the state of Washington is September 28, 2025.

CHON KELLIE PIERUCCIONI
STATE OF WASHINGTON
42816
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES

XIAOMING ZHAO
STATE OF WASHINGTON
54074
REGISTERED
PROFESSIONAL ENGINEER

May 27,2025

Zhao, Xiaoming

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.

City of Puyallup
Building
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07/21/2025
3:50:12 PM
CITY OF PUYALLUP
STATE OF WASHINGTON

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389159
4623747	A01	Monopitch Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:27 Page: 1
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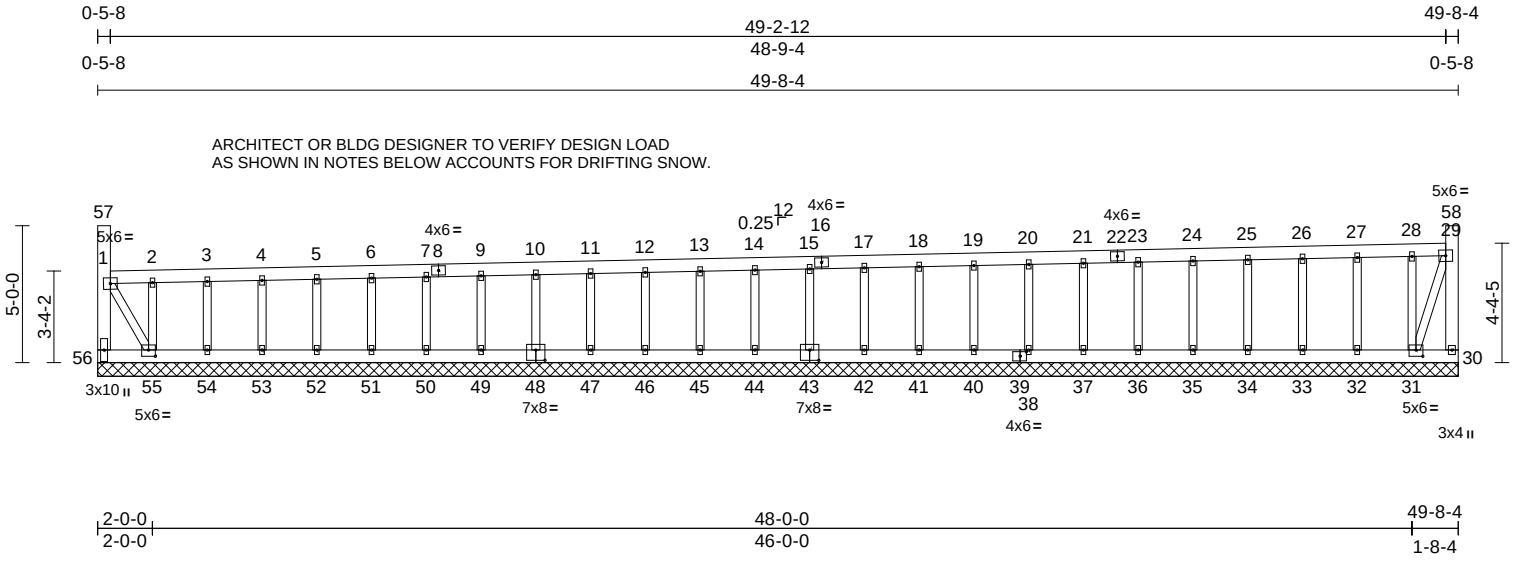

Scale = 1:84.1

Plate Offsets (X, Y): [31:0-3-0,0-2-12], [39:0-2-12,0-2-0], [43:0-4-0,0-4-8], [48:0-4-0,0-4-8], [55:0-3-0,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.29	Horiz(TL)	0.01	30	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 319 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x6 DF No.2 *Except* 1-55,31-29:2x4 HF No.2
OTHERS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 55-56,30-31.

REACTIONS (size) 30=49-8-4, 31=49-8-4, 32=49-8-4, 33=49-8-4, 34=49-8-4, 35=49-8-4, 36=49-8-4, 37=49-8-4, 38=49-8-4, 40=49-8-4, 41=49-8-4, 42=49-8-4, 43=49-8-4, 44=49-8-4, 45=49-8-4, 46=49-8-4, 47=49-8-4, 48=49-8-4, 49=49-8-4, 50=49-8-4, 51=49-8-4, 52=49-8-4, 53=49-8-4, 54=49-8-4, 55=49-8-4, 56=49-8-4
Max Horiz 56=159 (LC 9)
Max Uplift 30=-76 (LC 9), 31=-59 (LC 8), 32=-12 (LC 8), 33=-12 (LC 8), 34=-12 (LC 12), 35=-12 (LC 8), 36=-12 (LC 12), 37=-12 (LC 8), 38=-12 (LC 12), 40=-12 (LC 8), 41=-12 (LC 12), 42=-12 (LC 8), 43=-12 (LC 8), 44=-12 (LC 12), 45=-12 (LC 8), 46=-12 (LC 8), 47=-12 (LC 12), 48=-12 (LC 8), 49=-12 (LC 12), 50=-12 (LC 8), 51=-12 (LC 8), 52=-12 (LC 12), 53=-12 (LC 8), 54=-15 (LC 8), 55=-168 (LC 9), 56=-162 (LC 8)
Max Grav 30=288 (LC 1), 31=996 (LC 1), 32=1128 (LC 1), 33=1077 (LC 1), 34=1080 (LC 1), 35=1080 (LC 1), 36=1080 (LC 1), 37=1080 (LC 1), 38=1080 (LC 1), 40=1080 (LC 1), 41=1080 (LC 1), 42=1080 (LC 1), 43=1080 (LC 1), 44=1080 (LC 1), 45=1080 (LC 1), 46=1080 (LC 1), 47=1080 (LC 1), 48=1080 (LC 1), 49=1080 (LC 1), 50=1080 (LC 1), 51=1080 (LC 1), 52=1080 (LC 1), 53=1076 (LC 1), 54=1107 (LC 1), 55=1097 (LC 1), 56=416 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-72/133, 2-3=-70/130, 3-4=-69/132, 4-5=-67/133, 5-6=-66/134, 6-7=-65/136, 7-9=-63/137, 9-10=-62/139, 10-11=-60/140, 11-12=-59/141, 12-13=-58/143, 13-14=-57/144, 14-15=-58/146, 15-17=-58/147, 17-18=-58/148, 18-19=-59/150, 19-20=-59/151, 20-21=-59/152, 21-23=-60/154, 23-24=-60/155, 24-25=-60/157, 25-26=-61/158, 26-27=-61/159, 27-28=-61/161, 28-29=-61/163, 1-56=-391/1108, 1-57=0/0, 29-30=-492/296, 29-58=0/0
BOT CHORD 55-56=-320/776, 54-55=-99/215, 53-54=-99/215, 52-53=-99/215, 51-52=-99/215, 50-51=-99/215, 49-50=-99/215, 47-49=-99/215, 46-47=-99/215, 45-46=-99/215, 44-45=-99/215, 42-44=-99/215, 41-42=-99/215, 40-41=-99/215, 38-40=-99/215, 37-38=-99/215, 36-37=-99/215, 35-36=-99/215, 34-35=-99/215, 33-34=-99/215, 32-33=-99/215, 31-32=-99/215, 30-31=-47/76

May 27,2025

Continued on page 2

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WEBS 2-55=-998/143, 3-54=-1064/61, 4-53=-1037/51, 5-52=-1040/50, 6-51=-1040/50, 7-50=-1040/50, 9-49=-1040/50, 10-48=-1040/50, 11-47=-1040/50, 12-46=-1040/50, 13-45=-1040/50, 14-44=-1040/50, 15-43=-1040/50, 17-42=-1040/50, 18-41=-1040/50, 19-40=-1040/50, 20-38=-1040/50, 21-37=-1040/50, 23-36=-1040/50, 24-35=-1040/50, 25-34=-1039/50, 26-33=-1037/52, 27-32=-1085/60, 28-31=-885/104, 1-55=-1072/433, 29-31=-198/468

NOTES

1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 15-2-12, Exterior (2) 15-2-12 to 34-5-8, Corner (3) 34-5-8 to 49-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; 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 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 (||) 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.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 56, 168 lb uplift at joint 55, 15 lb uplift at joint 54, 12 lb uplift at joint 53, 12 lb uplift at joint 52, 12 lb uplift at joint 51, 12 lb uplift at joint 50, 12 lb uplift at joint 49, 12 lb uplift at joint 48, 12 lb uplift at joint 47, 12 lb uplift at joint 46, 12 lb uplift at joint 45, 12 lb uplift at joint 44, 12 lb uplift at joint 43, 12 lb uplift at joint 42, 12 lb uplift at joint 41, 12 lb uplift at joint 40, 12 lb uplift at joint 38, 12 lb uplift at joint 37, 12 lb uplift at joint 36, 12 lb uplift at joint 35, 12 lb uplift at joint 34, 12 lb uplift at joint 33, 12 lb uplift at joint 32, 59 lb uplift at joint 31 and 76 lb uplift at joint 30.
12) Load case(s) 1, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard Except:

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-29=-520, 30-56=-20
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-29=25, 30-56=-12
   Horz: 1-29=-33, 1-56=18, 1-57=71, 29-30=34, 29-58=52
   Concentrated Loads (lb)
   Horz: 57=200, 58=200 (F)
27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-29=25, 30-56=-12
   Horz: 1-29=-33, 1-56=18, 1-57=71, 29-30=34, 29-58=52
   Concentrated Loads (lb)
   Horz: 57=-200, 58=-200 (F)

May 27,2025

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389160
4623747	A02	Monopitch	2	3	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:29 Page: 1
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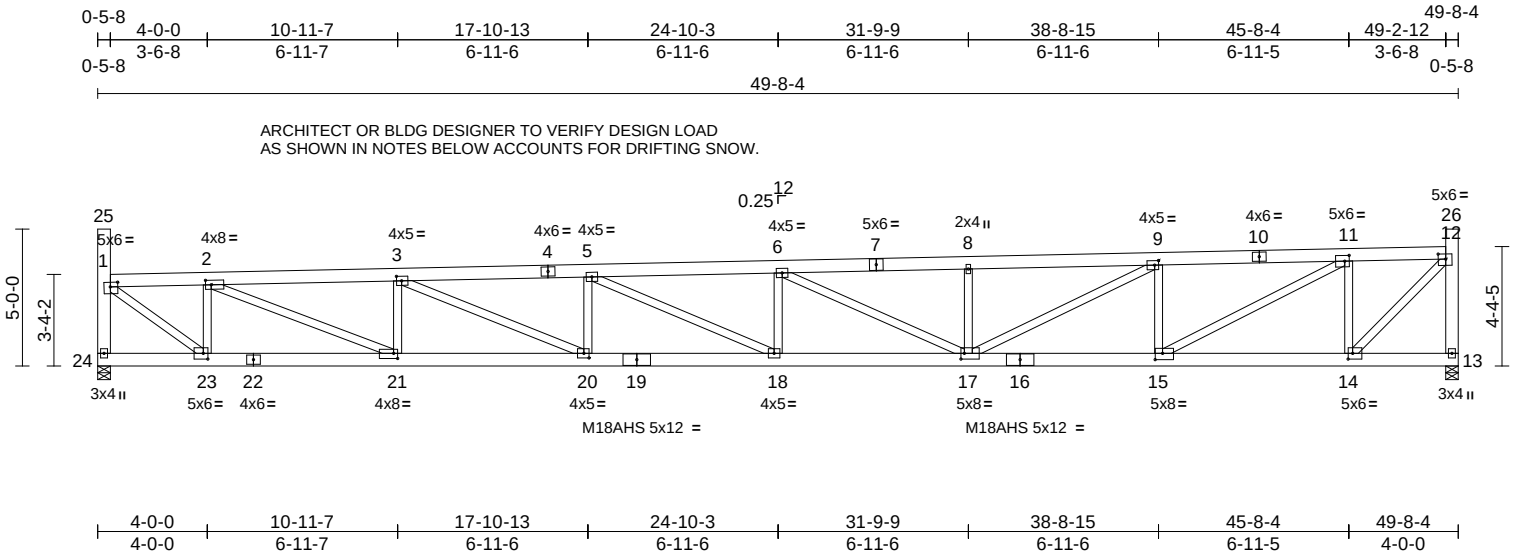

Scale = 1:84.1

Plate Offsets (X, Y): [1:0-3-4,0-2-0], [2:0-2-8,0-2-0], [3:0-2-4,0-2-0], [9:0-1-12,0-2-0], [11:0-2-0,0-2-8], [12:0-3-4,0-2-4], [14:0-2-0,0-2-8], [15:0-3-4,0-2-12], [17:0-1-8,0-2-8], [20:0-2-4,0-2-0], [21:0-1-12,0-2-4], [23:0-2-0,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-1.24	18-20	>478	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.98	Vert(CT)	-1.42	18-20	>417	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.20	13	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 985 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF No.2 *Except* 4-7:2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF No.2 *Except* 19-16,22-19:2x6 DF 2400F 2.0E
WEBS 2x4 DF 1800F 1.6E *Except* 25-24,26-13:2x6 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 13=0-5-8, 24=0-5-8
Max Horiz 24=159 (LC 9)
Max Uplift 13=-146 (LC 12), 24=-146 (LC 8)
Max Grav 13=7790 (LC 1), 24=7722 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-24=-7687/341, 1-25=0/0, 12-13=-7711/345, 12-26=0/0, 1-2=-10009/530, 2-3=-21604/955, 3-5=-27556/1157, 5-6=-28577/1162, 6-8=-25175/1027, 8-9=-25174/1032, 9-11=-18013/780, 11-12=-7346/379
BOT CHORD 23-24=-343/789, 21-23=-694/9998, 20-21=-1114/21578, 18-20=-1312/27528, 17-18=-1312/28550, 15-17=-809/17987, 14-15=-343/7329, 13-14=-35/126
WEBS 2-23=-6901/367, 1-23=-493/11591, 11-14=-7370/394, 12-14=-444/10372, 11-15=-532/12171, 3-21=-4856/310, 2-21=-562/12586, 3-20=-311/6517, 5-20=-2524/210, 6-18=-326/189, 6-17=-3786/197, 8-17=-2022/170, 9-17=-369/8105, 9-15=-5743/343, 5-18=-88/1128

NOTES
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 5-2-12, Exterior (2) 5-2-12 to 44-5-8, Corner (3) 44-5-8 to 49-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 24 and 146 lb uplift at joint 13.
10) Load case(s) 1, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 13-24=-20, 1-12=-295
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 13-24=-12, 1-12=-5
Horz: 1-12=-4
27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 13-24=-12, 1-12=-5

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Continued on page 2

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Horz: 1-12=-4

XIAOMING ZHAO
STATE OF WASHINGTON
54074
REGISTERED
PROFESSIONAL ENGINEER

May 27,2025

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389161
4623747	A03	Monopitch	18	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:29 Page: 1
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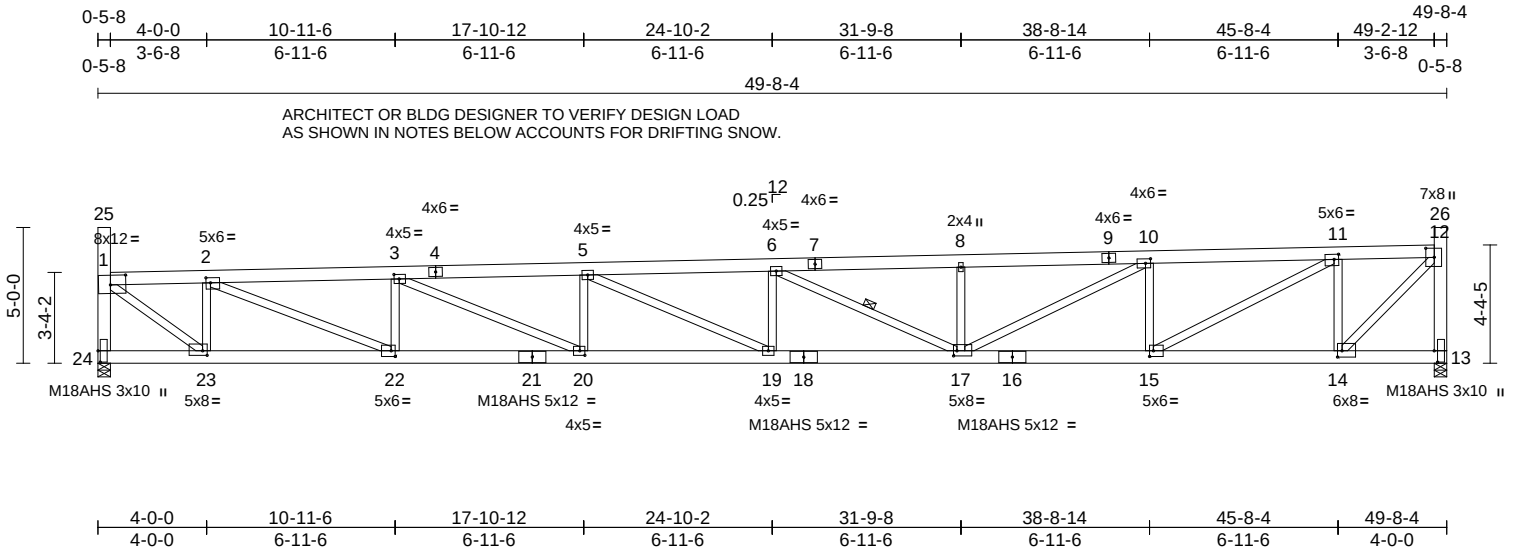

Scale = 1:84.9

Plate Offsets (X, Y): [1:0-6-12,0-4-4], [2:0-2-0,0-2-4], [3:0-2-4,0-2-0], [10:0-2-4,0-2-0], [11:0-2-0,0-2-4], [12:0-4-0,0-3-12], [13:0-5-0,0-1-8], [14:0-2-0,0-2-12], [15:0-1-12,0-2-8], [17:0-1-8,0-2-4], [20:0-2-4,0-2-0], [22:0-1-12,0-2-8], [23:0-2-0,0-2-0], [24:0-5-0,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.81	19-20	>731	240	M18AHS	169/162
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.58	Vert(CT)	-1.34	19-20	>444	180	MT20	185/148
TCDL	10.0	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.20	13	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 314 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 HF No.2 *Except* 25-24,26-13:2x6 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-14 oc bracing.
WEBS 1 Row at midpt 6-17

REACTIONS (size) 13=0-5-8, (req. 0-6-8), 24=0-5-8, (req. 0-6-7)
Max Horiz 24=159 (LC 9)
Max Uplift 13=-146 (LC 12), 24=-146 (LC 8)
Max Grav 13=3930 (LC 1), 24=3899 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4125/530, 2-3=-7271/954, 3-5=-8928/1157, 5-6=-9151/1161, 6-8=-8136/1028, 8-10=-8136/1033, 10-11=-6014/779, 11-12=-3000/380, 1-24=-3849/341, 1-25=0/0, 12-13=-3854/344, 12-26=0/0
BOT CHORD 23-24=-451/532, 22-23=-694/4103, 20-22=-1113/7264, 19-20=-1311/8921, 17-19=-1311/9144, 15-17=-808/6008, 14-15=-343/2979, 13-14=-37/140
WEBS 1-23=-487/4522, 12-14=-442/4088, 2-23=-2667/365, 11-14=-2872/393, 2-22=-560/3435, 3-22=-1213/309, 3-20=-312/1815, 5-20=-604/209, 5-19=-88/246, 6-19=0/188, 6-17=-1129/195, 8-17=-494/171, 10-17=-371/2400, 10-15=-1526/343, 11-15=-531/3459

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 5-2-12, Exterior (2) 5-2-12 to 44-5-8, Corner (3) 44-5-8 to 49-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) WARNING: Required bearing size at joint(s) 24, 13 greater than input bearing size.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 24 and 146 lb uplift at joint 13.
9) Load case(s) 1, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 13-24=-20, 1-2=-520, 2-11=-70, 11-12=-520
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 13-24=-12, 1-12=-5
Horz: 1-12=-4
Concentrated Loads (lb)
Horz: 25=200, 26=200 (F)
27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 13-24=-12, 1-12=-5
Horz: 1-12=-4
Concentrated Loads (lb)
Horz: 25=-200 (F), 26=-200

May 27,2025

MiTek®
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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389162
4623747	A04	Monopitch	3	3	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:30 Page: 1
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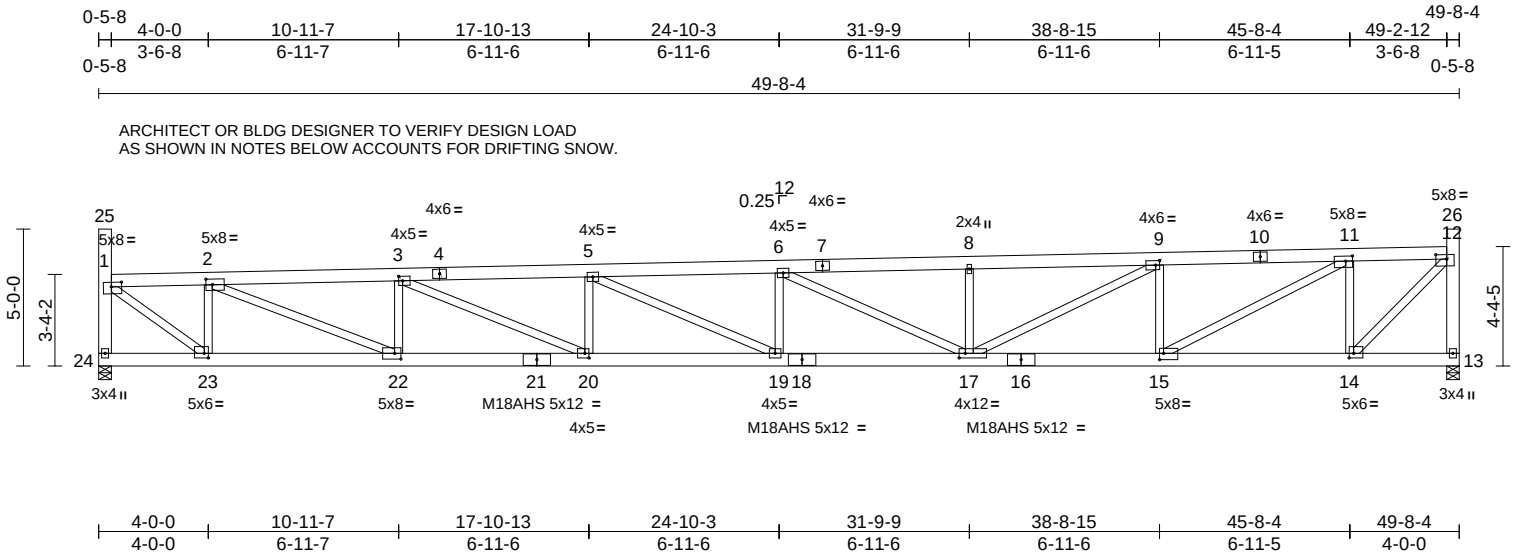

Scale = 1:84.1

Plate Offsets (X, Y): [1:0-4-8,0-2-0], [2:0-2-12,0-2-8], [3:0-1-12,0-2-0], [9:0-1-12,0-2-0], [11:0-3-0,0-2-4], [12:0-4-12,0-2-0], [14:0-2-0,0-2-0], [15:0-1-12,0-2-12], [17:0-2-12,0-2-0], [20:0-1-12,0-2-0], [22:0-2-12,0-2-8], [23:0-1-12,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-1.20	19-20	>494	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.60	Vert(CT)	-1.38	19-20	>431	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.19	13	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 943 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 HF No.2 *Except* 25-24,26-13:2x6 DF No.2

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

REACTIONS (size) 13=0-5-8, 24=0-5-8
Max Horiz 24=159 (LC 11)
Max Uplift 13=-146 (LC 12), 24=-146 (LC 8)
Max Grav 13=7790 (LC 1), 24=7722 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-10035/530, 2-3=-21577/954, 3-5=-27554/1157, 5-6=-28557/1161, 6-8=-25179/1028, 8-9=-25179/1033, 9-11=-17986/779, 11-12=-7359/380, 1-24=-7686/341, 1-25=0/0, 12-13=-7705/344, 12-26=0/0
BOT CHORD 23-24=-345/856, 22-23=-694/10024, 20-22=-1114/21551, 19-20=-1311/27527, 17-19=-1311/28529, 15-17=-808/17960, 14-15=-343/7343, 13-14=-37/170
WEBS 2-23=-6867/365, 1-23=-488/11538, 11-14=-7330/393, 12-14=-442/10329, 11-15=-530/12125, 3-22=-4845/309, 2-22=-560/12528, 3-20=-311/6546, 5-20=-2523/209, 5-19=-87/1107, 6-19=-337/188, 6-17=-3759/195, 8-17=-2028/171, 9-17=-371/8140, 9-15=-5748/343

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 5-2-12, Exterior (2) 5-2-12 to 44-5-8, Corner (3) 44-5-8 to 49-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 24 and 146 lb uplift at joint 13.
10) Load case(s) 1, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 13-24=-20, 1-12=-295
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 13-24=-12, 1-12=-5
Horz: 1-12=-4
27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 13-24=-12, 1-12=-5

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Horz: 1-12=-4

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389163
4623747	A05	Monopitch	1	4	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:31 Page: 1
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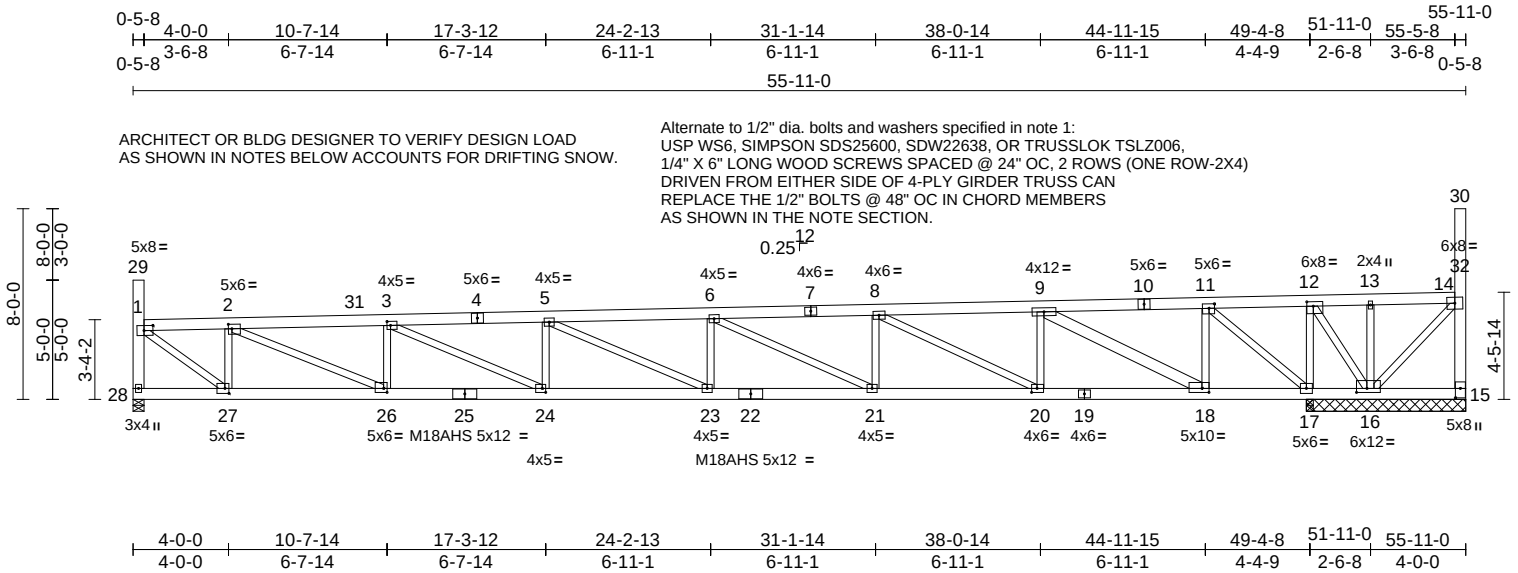

Scale = 1:96.7

Plate Offsets (X, Y): [1:0-4-8,0-2-8], [2:0-1-12,0-2-4], [3:0-1-12,0-2-0], [11:0-2-12,0-2-4], [12:0-3-4,0-2-4], [15:0-4-12,0-2-8], [16:0-5-4,0-2-0], [18:0-3-8,0-2-0], [20:0-2-12,0-2-0], [24:0-1-12,0-2-0], [26:0-1-12,0-2-0], [27:0-2-0,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-1.03	23-24	>573	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.57	Vert(CT)	-1.12	23-24	>528	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.16	17	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 1499 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 HF No.2 *Except* 12-16:2x4 DF 1800F 1.6E, 8-20:2x4 DF No.2, 9-18,29-28,30-15:2x6 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-18,16-17,15-16.

REACTIONS (size) 15=6-8-4, 16=6-8-4, 17=6-8-4, 28=0-5-8
Max Horiz 28=257 (LC 11)
Max Uplift 15=-14453 (LC 1), 16=-57 (LC 10), 17=-381 (LC 12), 28=-127 (LC 8)
Max Grav 15=230 (LC 12), 16=195 (LC 1), 17=32729 (LC 1), 28=9081 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-11146/605, 2-3=-24935/860, 3-5=-32512/925, 5-6=-31896/829, 6-8=-24076/677, 8-9=-9993/375, 9-11=-512/10405, 11-12=-891/24929, 12-13=-664/14637, 13-14=-664/14640, 1-28=-9051/312, 1-29=0/0, 14-15=-431/14477, 14-30=0/0
BOT CHORD 27-28=-560/1090, 26-27=-843/11121, 24-26=-1092/24925, 23-24=-1154/32472, 21-23=-1046/31851, 20-21=-779/24034, 18-20=-370/9954, 17-18=-10367/338, 16-17=-24900/669, 15-16=-195/47
WEBS 12-17=-18133/496, 13-16=-1617/134, 14-16=-21142/593, 12-16=-471/18834, 8-21=-55/3904, 9-20=-135/7477, 8-20=-15801/476, 11-18=-207/10085, 11-17=-19273/519, 9-18=-23002/641, 2-27=-7522/321, 1-27=-418/12625, 3-26=-6086/280, 2-26=-476/15107, 5-24=-3387/183, 3-24=-245/8325, 6-23=0/420, 5-23=-685/132, 6-21=-8701/316

NOTES
1) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 5-2-12, Exterior (2) 5-2-12 to 50-8-4, Corner (3) 50-8-4 to 55-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint 28, 381 lb uplift at joint 17, 57 lb uplift at joint 16 and 14453 lb uplift at joint 15.
10) Load case(s) 1, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

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11) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-520, 2-31=-70, 14-31=-520, 15-28=-20

26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-14=25, 15-28=-12
Horz: 1-14=-33
Concentrated Loads (lb)
Horz: 29=200, 32=200 (F)

27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-14=25, 15-28=-12
Horz: 1-14=-33
Concentrated Loads (lb)
Horz: 29=-200 (F), 32=-200 (F)

May 27,2025

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389164
4623747	A06	Monopitch Girder	2	4	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:31 Page: 1
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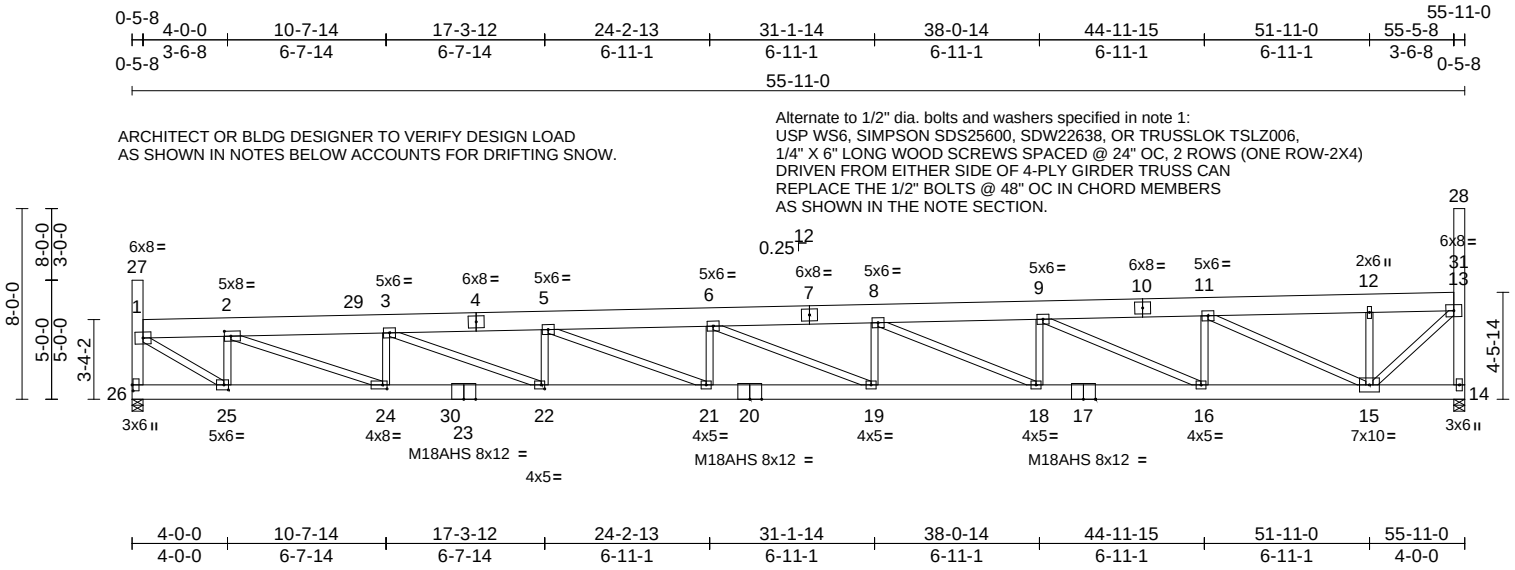

Scale = 1:96.7

Plate Offsets (X, Y): [2:0-3-4,0-2-8], [22:0-1-12,0-2-0], [24:0-2-4,0-2-0], [25:0-2-4,0-2-8], [26:0-3-0,0-0-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-1.23	19-21	>543	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-1.39	19-21	>481	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	Yes	WB	0.75	Horz(CT)	0.22	14	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 1939 lb	FT = 10%

LUMBER
TOP CHORD 2x10 DF SS
BOT CHORD 2x8 DF SS
WEBS 2x4 DF 1800F 1.6E *Except*
27-26,28-14:2x6 DF No.2

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

REACTIONS (size) 14=0-5-8, 26=0-5-8
Max Horiz 26=-529 (LC 30)
Max Uplift 14=-244 (LC 31), 26=-418 (LC 30)
Max Grav 14=10039 (LC 1), 26=10270 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-13967/783, 2-3=-30729/1508, 3-5=-40362/1712, 5-6=-42294/1522, 6-8=-39787/1303, 8-9=-33110/1046, 9-11=-22810/784, 11-12=-9464/486, 12-13=-9468/490, 1-26=-10232/432, 1-27=0/0, 13-14=-9908/256, 13-28=0/0
BOT CHORD 25-26=-260/1506, 24-25=-741/13941, 22-24=-1461/30711, 21-22=-1663/40326, 19-21=-1468/42267, 18-19=-1246/39762, 16-18=-954/33086, 15-16=-608/22789, 14-15=-28/293
WEBS 2-25=-8600/508, 3-24=-6551/249, 5-22=-3767/262, 6-21=-749/192, 8-19=-24/1275, 9-18=-56/3324, 11-16=-85/5198, 12-15=-2236/141, 13-15=-353/13003, 11-15=-15030/440, 9-16=-11499/386, 8-18=-7395/324, 6-19=-2752/244, 5-21=-335/2116, 3-22=-360/10470, 2-24=-943/18127, 1-25=-678/15203

NOTES

1) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x10 - 2 rows staggered at 0-6-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 418 lb uplift at joint 26 and 244 lb uplift at joint 14.
10) Load case(s) 1, 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 300 lb down and 145 lb up at 13-4-8, and 300 lb down and 145 lb up at 13-4-8 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-520, 2-29=-70, 5-29=-520, 5-12=-295, 12-13=-520, 14-26=-20
Concentrated Loads (lb)
Vert: 30=-542 (F=-271, B=-271)
30) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-13=18, 14-26=-12, 1-26=-8

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Horz: 1-13=-26, 1-26=8, 1-27=32, 13-14=14, 13-31=22
Concentrated Loads (lb)
Vert: 30=291 (F=145, B=145)
Horz: 27=200, 31=200 (F)

31) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-13=18, 14-26=-12, 1-26=-8
Horz: 1-13=-26, 1-26=8, 1-27=32, 13-14=14, 13-31=22
Concentrated Loads (lb)
Vert: 30=291 (F=145, B=145)
Horz: 27=-200 (F)

May 27,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1#
4623747	A07	Monopitch Girder	1	3	R88389165
					Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:32 Page: 1
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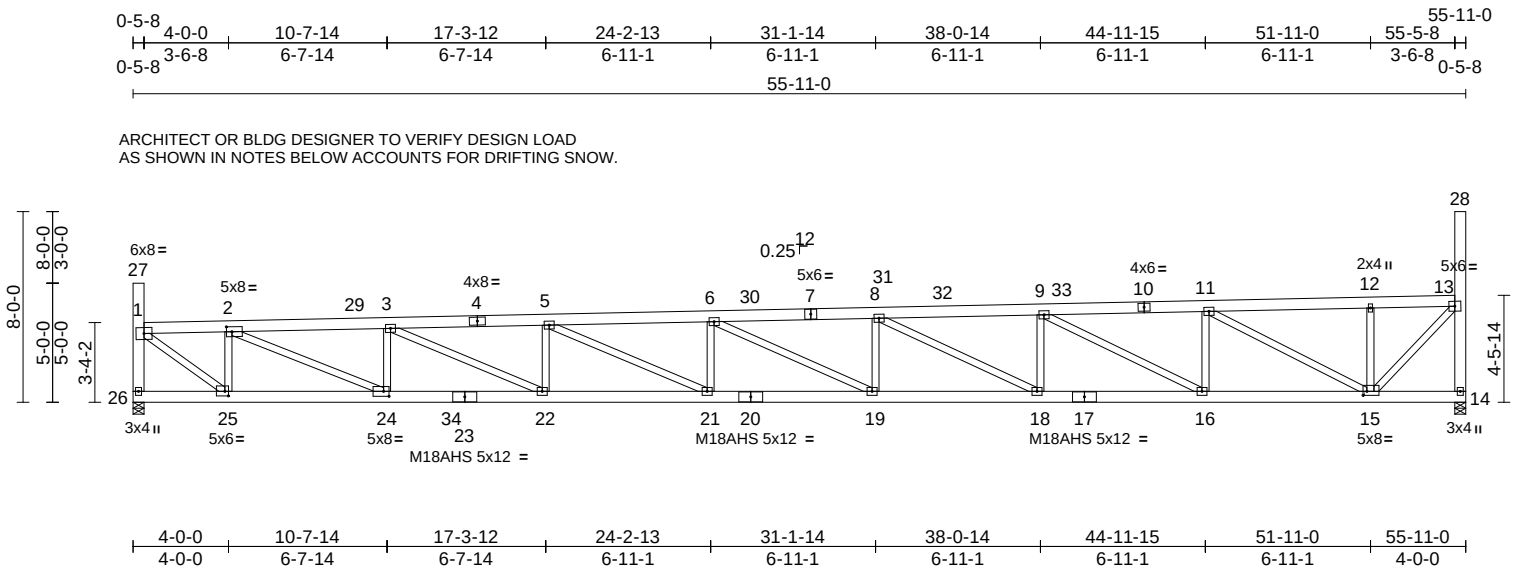

Scale = 1:96.7

Plate Offsets (X, Y): [2:0-2-12,0-2-8], [15:0-2-0,0-2-0], [24:0-2-12,0-2-8], [25:0-1-12,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.91	21-22	>731	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.57	Vert(CT)	-1.35	19-21	>496	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.21	14	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 1077 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 HF No.2 *Except* 27-26,28-14:2x6 DF No.2

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

REACTIONS (size) 14=0-5-8, 26=0-5-8
Max Horiz 26=-591 (LC 30)
Max Grav 14=5822 (LC 1), 26=7788 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-9339/0, 2-3=-20682/0, 3-5=-24776/0, 5-6=-23523/0, 6-8=-24352/0, 8-9=-19909/0, 9-11=-11242/0, 11-12=-4695/0, 12-13=-4712/0, 1-26=-7734/0, 1-27=0/0, 13-14=-5733/0, 13-28=0/0
BOT CHORD 25-26=-207/1005, 24-25=0/9314, 22-24=0/20673, 21-22=0/24734, 19-21=0/23510, 18-19=0/24644, 16-18=0/20204, 15-16=0/11554, 14-15=-58/173
WEBS 2-25=-6329/34, 3-24=-4603/0, 5-22=-2473/0, 6-21=-2637/722, 8-19=-1261/1247, 9-18=0/2357, 11-16=0/4673, 12-15=-1267/190, 13-15=0/6636, 11-15=-8811/0, 9-16=-9791/0, 8-18=-4983/0, 6-19=-2522/2978, 5-21=-1462/6415, 3-22=0/6111, 2-24=0/12432, 1-25=0/10521

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 4x5 (=) MT20 unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Load case(s) 1, 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 307 lb down and 128 lb up at 13-4-8, and 300 lb down and 145 lb up at 13-4-8 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-520, 2-29=-70, 5-29=-520 (F=-450), 5-30=-70, 30-31=-170, 31-32=-70, 32-33=-170, 12-33=-70, 12-13=-520, 14-26=-20
Concentrated Loads (lb)
Vert: 34=-572 (F=-271, B=-300)
30) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-30=18, 30-31=-682, 31-32=18, 32-33=-682, 13-33=18, 14-26=-12, 1-26=-8
Horz: 1-13=-26, 1-26=8, 1-27=32, 13-14=14, 13-28=22

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Concentrated Loads (lb)
Horz: 27=200, 28=200 (F)

31) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-30=18, 30-31=-482, 31-32=18, 32-33=-482, 13-33=18, 14-26=-12, 1-26=-8
Horz: 1-13=-26, 1-26=8, 1-27=32, 13-14=14, 13-28=22
Concentrated Loads (lb)
Horz: 27=-200 (F), 28=-200

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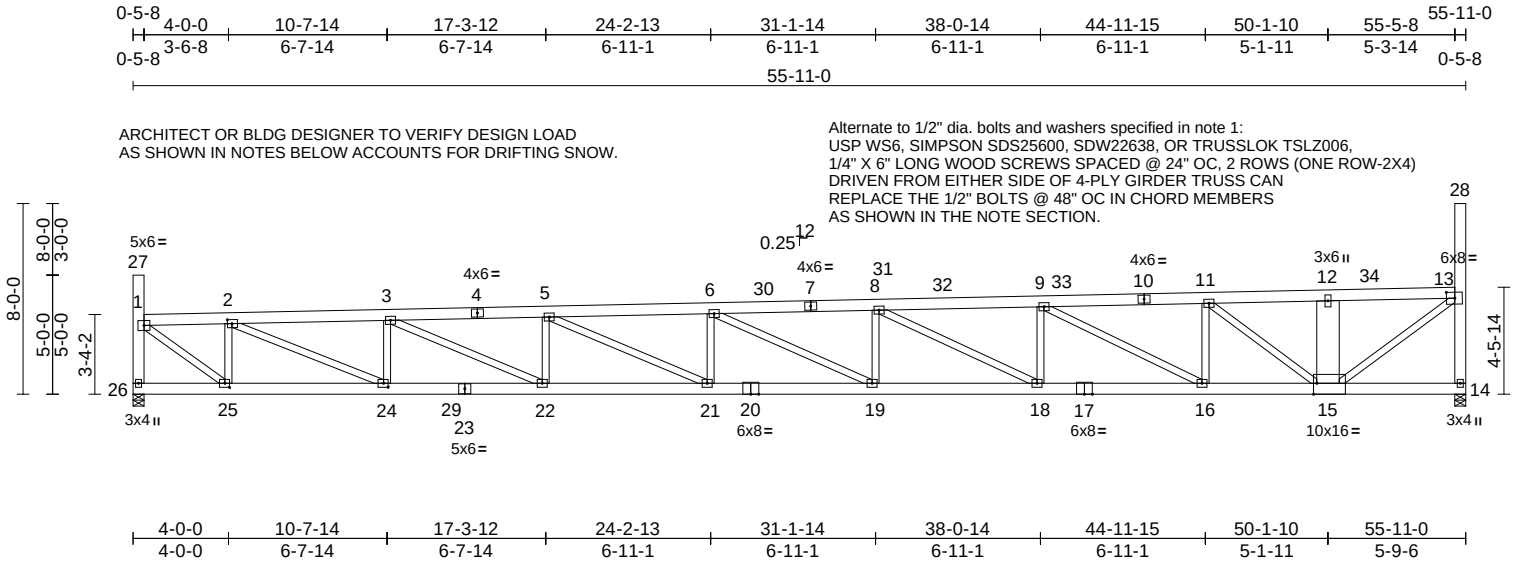
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1#
4623747	A08	Monopitch Girder	1	**4**	R88389166
					Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:32 Page: 1
ID:OhXBWUGkT6F7Uk73?EYJTAzHCZF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:96.7

Plate Offsets (X, Y): [2:0-2-4,0-2-0], [13:0-4-4,0-3-0], [15:0-1-10,Edge], [24:0-2-4,0-2-0], [25:0-2-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.46	19-21	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.87	19-21	>768	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.13	14	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 1477 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 HF No.2 *Except* 27-26,28-14:2x6 DF No.2, 15-12:2x12 DF SS

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

REACTIONS (size) 14=0-5-8, 26=0-5-8
Max Horiz 26=-591 (LC 30)
Max Uplift 14=-252 (LC 5)
Max Grav 14=10013 (LC 1), 26=5636 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-6455/0, 2-3=-13181/0, 3-5=-17380/0, 5-6=-19543/0, 6-8=-20139/0, 8-9=-18519/0, 9-11=-15261/0, 11-12=-12156/136, 12-13=-12166/137, 1-26=-5559/0, 1-27=0/0, 13-14=-9779/272, 13-28=0/0
BOT CHORD 25-26=-219/910, 24-25=0/6432, 22-24=0/13172, 21-22=0/17372, 19-21=0/19535, 18-19=0/20127, 16-18=0/18506, 15-16=0/15251, 14-15=-87/346
WEBS 2-25=-4385/74, 1-25=0/7207, 3-24=-2438/0, 2-24=0/7376, 5-22=-1997/0, 3-22=0/4688, 6-21=-2078/0, 5-21=0/5168, 8-19=-1196/10, 6-19=0/2834, 9-18=0/1771, 8-18=-3765/0, 11-16=0/3808, 9-16=-7889/0, 12-15=-842/196, 13-15=-392/14594, 11-15=-5926/0

NOTES

1) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x12 - 6 rows staggered at 0-5-0 oc.
Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 4x5 (=) MT20 unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 252 lb uplift at joint 14.
10) Load case(s) 1, 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6513 lb down and 1016 lb up at 50-1-10, and 307 lb down and 128 lb up at 13-4-8, and 337 lb down and 117 lb up at 13-4-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 14-26=-20, 1-2=-520, 2-30=-70, 30-31=-170, 31-32=-70, 32-33=-170, 33-34=-70, 13-34=-520
Concentrated Loads (lb)
Vert: 15=-5623 (B), 29=-637 (F=-300, B=-337)
30) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 14-26=-12, 1-30=18, 30-31=-582, 31-32=18, 32-33=-582, 13-33=18, 1-26=-8

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Horz: 1-13=-26, 1-26=8, 1-27=32, 13-14=14, 13-28=22
Concentrated Loads (lb)
Vert: 15=366 (B), 29=245 (F=128, B=117)
Horz: 27=200, 28=200 (F)

31) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 14-26=-12, 1-30=18, 30-31=-382, 31-32=18, 32-33=-382, 13-33=18, 1-26=-8
Horz: 1-13=-26, 1-26=8, 1-27=32, 13-14=14, 13-28=22
Concentrated Loads (lb)
Vert: 15=366 (B), 29=245 (F=128, B=117)
Horz: 27=-200 (F), 28=-200

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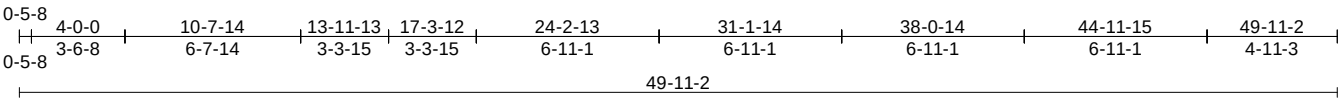
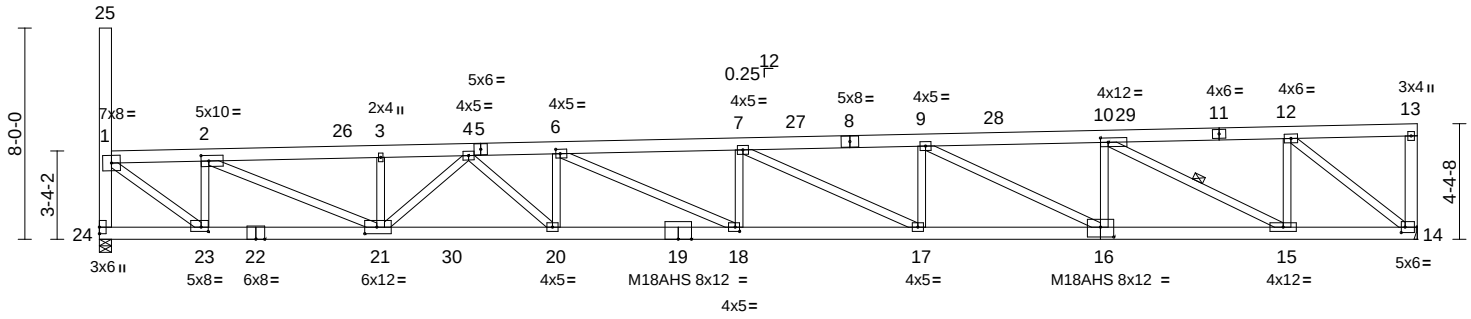
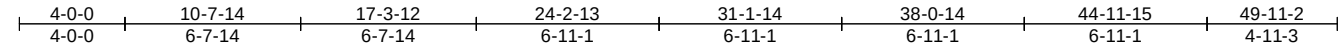
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389167
4623747	A09	Jack-Closed Girder	2	**2**	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:33 Page: 1
ID:4LnJ8ItAyJh?2CnBaXTAORzHD7v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



ARCHITECT OR BLDG DESIGNER TO VERIFY DESIGN LOAD
AS SHOWN IN NOTES BELOW ACCOUNTS FOR DRIFTING SNOW.





Scale = 1:87.3

Plate Offsets (X, Y): [2:0-3-8,0-2-8], [6:0-2-0,0-2-0], [10:0-3-8,0-2-0], [14:0-1-12,0-2-8], [16:0-6-0,0-4-8], [18:0-2-0,0-2-0], [21:0-5-8,0-3-0], [23:0-3-4,0-2-0]

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-1.00	18-20	>594	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.89	Vert(CT)	-1.42	17-18	>419	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.26	14	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 672 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 DF 1800F 1.6E *Except*
13-14,25-24:2x6 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 10-15

REACTIONS (size) 14= Mechanical, 24=0-5-8, (req. 0-6-1)
Max Horiz 24=251 (LC 7)
Max Grav 14=5590 (LC 30), 24=7329 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8800/128, 2-3=-18779/24, 3-4=-18784/26, 4-6=-21861/0, 6-7=-20896/0, 7-9=-23642/0, 9-10=-17932/0, 10-12=-6854/0, 12-13=-79/20, 13-14=-141/24, 1-24=-7266/4, 1-25=0/0
BOT CHORD 23-24=-304/861, 21-23=-105/8777, 20-21=0/21357, 18-20=0/21836, 17-18=0/20934, 15-17=0/23654, 14-15=0/6883
WEBS 2-23=-6020/90, 3-21=-1466/238, 6-20=-2419/106, 7-18=-2674/1046, 9-17=-1280/1753, 10-16=0/2960, 12-15=0/5961, 12-14=-8725/0, 10-15=-12521/0, 9-16=-6407/0, 7-17=-3647/3027, 6-18=-2300/6509, 4-20=0/3571, 2-21=0/10933, 1-23=0/9979, 4-21=-4024/0

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) WARNING: Required bearing size at joint(s) 24 greater than input bearing size.
10) Refer to girder(s) for truss to truss connections.
11) Load case(s) 1, 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 337 lb down and 117 lb up at 13-4-8, and 337 lb down and 117 lb up at 13-4-8 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-520, 2-26=-70, 6-26=-520, 6-27=-70, 9-27=-170, 9-28=-70, 28-29=-170, 13-29=-70, 14-24=-20
Concentrated Loads (lb)
Vert: 30=-674 (F=-337, B=-337)
30) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-27=18, 9-27=-882, 9-28=18, 28-29=-882, 13-29=18, 14-24=-12
Horz: 1-13=-26, 13-14=14

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Concentrated Loads (lb)
Vert: 30=233 (F=117, B=117)
Horz: 25=200

31) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-27=18, 9-27=-782, 9-28=18, 28-29=-782, 13-29=18, 14-24=-12
Horz: 1-13=-26, 13-14=14
Concentrated Loads (lb)
Vert: 30=233 (F=117, B=117)

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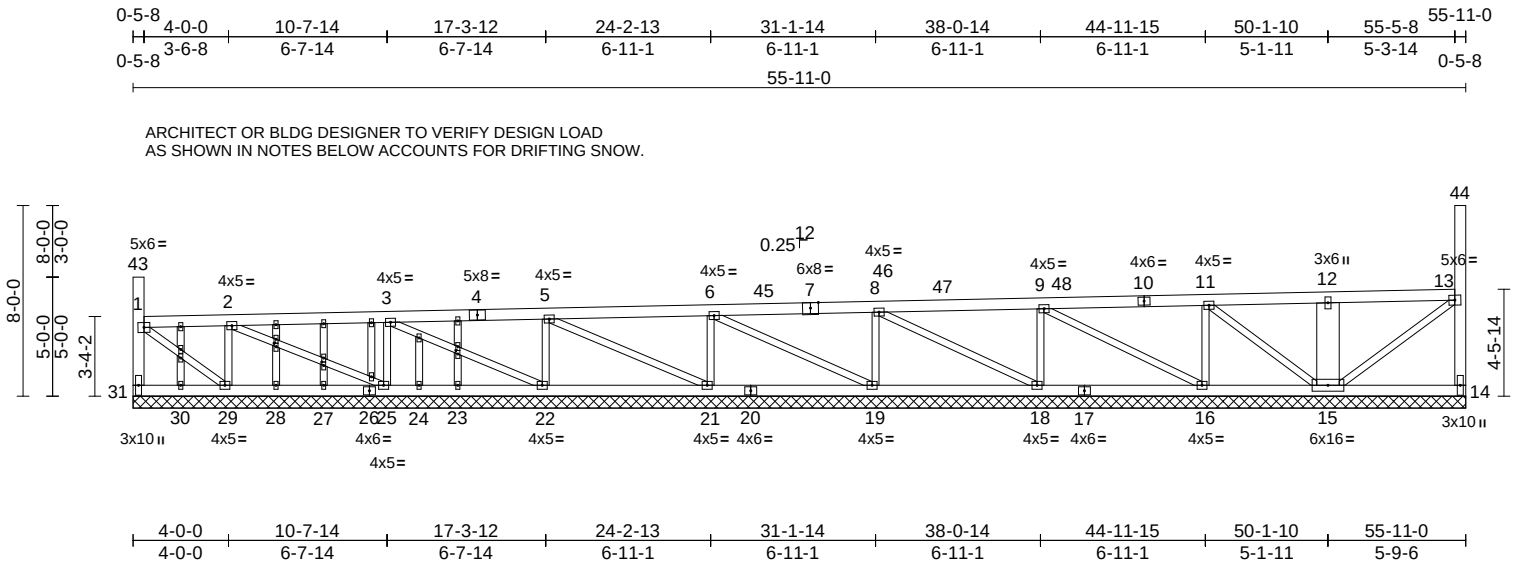
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1#
4623747	A10	Monopitch Supported Gable	1	**2**	R88389168
					Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:33 Page: 1
ID:TwhgHC4YMnvV0DRZCbgynNzHE9U-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:96.7

Plate Offsets (X, Y): [32:0-1-13,0-1-0], [36:0-1-12,0-1-0], [38:0-1-12,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.53	Horiz(TL)	-0.02	15	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 755 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF No.2
WEBS 2x4 HF No.2 *Except* 43-31,44-14:2x6 DF No.2, 12-15:2x12 DF SS
OTHERS 2x4 HF No.2

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

REACTIONS (size) 14=55-11-0, 15=55-11-0, 16=55-11-0, 18=55-11-0, 19=55-11-0, 21=55-11-0, 22=55-11-0, 23=55-11-0, 24=55-11-0, 25=55-11-0, 27=55-11-0, 28=55-11-0, 29=55-11-0, 30=55-11-0, 31=55-11-0
Max Horiz 31=257 (LC 34)
Max Uplift 14=-1288 (LC 35), 15=-1053 (LC 34), 16=-314 (LC 40), 22=-146 (LC 40), 25=-242 (LC 40), 29=-649 (LC 35), 30=-57 (LC 35), 31=-1584 (LC 32)
Max Grav 14=1324 (LC 50), 15=7403 (LC 57), 16=668 (LC 27), 18=999 (LC 1), 19=1119 (LC 1), 21=678 (LC 27), 22=2113 (LC 1), 23=77 (LC 3), 24=47 (LC 3), 25=3763 (LC 1), 27=99 (LC 3), 28=74 (LC 3), 29=2807 (LC 1), 30=125 (LC 48), 31=1785 (LC 59)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1919/1916, 2-3=-2605/2519, 3-5=-2549/2421, 5-6=-2547/2371, 6-8=-2471/2274, 8-9=-2311/2192, 9-11=-2053/1985, 11-12=-1726/1564, 12-13=-1981/1828, 1-31=-1706/1529, 1-43=0/0, 13-14=-1270/1412, 13-44=0/0
BOT CHORD 30-31=-988/660, 29-30=-1588/1260, 28-29=-1001/827, 27-28=-794/581, 25-27=-1591/1378, 24-25=-688/539, 23-24=-652/504, 22-23=-1759/1610, 21-22=-1883/1776, 19-21=-1960/1904, 18-19=-2033/1998, 16-18=-2194/2083, 15-16=-1918/1761, 14-15=-1694/1689
WEBS 2-29=-2876/893, 1-29=-2364/2518, 13-15=-2328/2170, 5-22=-2166/1138, 6-21=-1365/1024, 8-19=-3311/698, 9-18=-2321/823, 11-16=-1432/1391, 11-15=-2083/2187, 9-16=-2123/2074, 5-21=-2155/2207, 2-25=-1934/2002, 3-25=-3671/1065, 3-22=-2110/2153, 6-19=-2208/2230, 8-18=-2241/2158, 12-15=-397/159

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x12 - 2 rows staggered 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 15-2-12, Exterior (2) 15-2-12 to 40-8-4, Corner (3) 40-8-4 to 55-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) 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.
5) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 (||) MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1584 lb uplift at joint 31, 649 lb uplift at joint 29, 1053 lb uplift at joint 15, 146 lb uplift at joint 22, 314 lb uplift at joint 16, 242 lb uplift at joint 25, 1288 lb uplift at joint 14 and 57 lb uplift at joint 30.
14) Load case(s) 1, 64, 65 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
15) This truss has been designed for a total drag load of 300 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 55-11-0 for 300.0 plf.
16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7002 lb down and 2014 lb up at 50-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
17) Studding applied to ply: 2(Back)

LOAD CASE(S) Standard Except:

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-5=-520, 5-45=-70, 45-46=-170, 46-47=-70, 47-48=-170, 13-48=-70, 14-31=-20
   Concentrated Loads (lb)
   Vert: 15=-6045 (F)
64) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-45=25, 45-46=-675, 46-47=25, 47-48=-675, 13-48=25, 14-31=-12
   Horz: 1-13=-33, 1-31=17, 1-43=70, 13-14=32, 13-44=49
   Concentrated Loads (lb)
   Vert: 15=860 (F)
65) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-45=25, 45-46=-475, 46-47=25, 47-48=-475, 13-48=25, 14-31=-12
   Horz: 1-13=-33, 1-31=17, 1-43=70, 13-14=32, 13-44=49
   Concentrated Loads (lb)
   Vert: 15=860 (F)

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389169
4623747	A11	Monopitch	7	2	Job Reference (optional)

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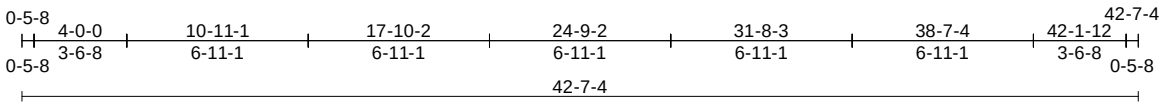
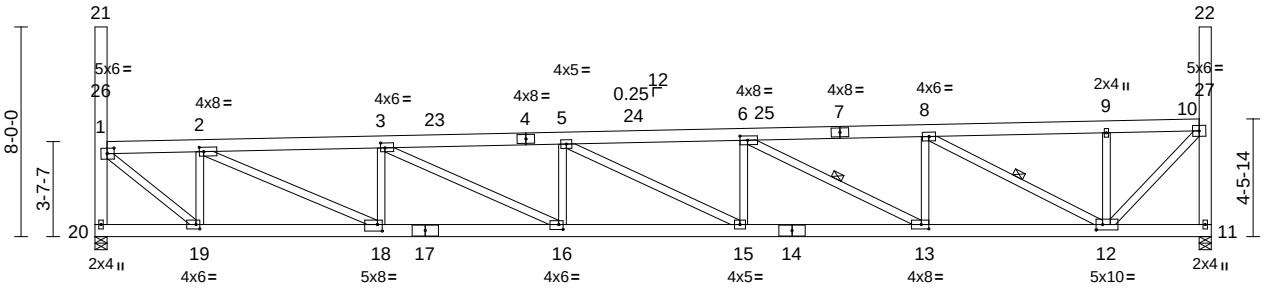
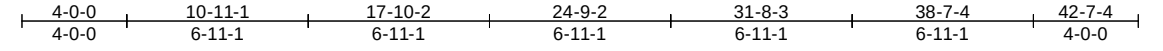


ARCHITECT OR BLDG DESIGNER TO VERIFY DESIGN LOAD
AS SHOWN IN NOTES BELOW ACCOUNTS FOR DRIFTING SNOW.





Scale = 1:87.9

Plate Offsets (X, Y): [1:0-3-4,0-2-8], [2:0-2-0,0-2-0], [3:0-2-0,0-2-4], [6:0-3-8,0-2-0], [12:0-3-0,0-2-8], [13:0-3-8,0-2-0], [16:0-2-0,0-2-4], [18:0-2-4,0-3-0], [19:0-1-12,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.23	15-16	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.88	Vert(CT)	-1.08	15-16	>471	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.19	11	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 574 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E *Except* 20-17:2x6 DF No.2
WEBS 2x4 HF No.2 *Except* 21-20,22-11:2x6 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 8-12

REACTIONS (size) 11=0-5-8, 20=0-5-8
Max Horiz 20=-692 (LC 10)
Max Grav 11=4061 (LC 1), 20=4114 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5782/0, 2-3=-15000/0, 3-5=-20729/0, 5-6=-18345/0, 6-8=-10698/0, 8-9=-3702/240, 9-10=-3702/245, 1-20=-4612/0, 1-21=0/0, 10-11=-3981/0, 10-22=0/0
BOT CHORD 19-20=-194/1367, 18-19=0/5918, 16-18=0/15142, 15-16=0/20842, 13-15=0/18457, 12-13=0/10822, 11-12=-63/131
WEBS 2-19=-4209/0, 1-19=0/6714, 9-12=-1271/194, 10-12=0/5465, 2-18=0/10183, 3-18=-4247/0, 3-16=0/6344, 5-16=-2741/0, 5-15=-2676/0, 6-15=0/1280, 6-13=-8642/0, 8-13=0/4146, 8-12=-7966/0

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 5-2-12, Exterior (2) 5-2-12 to 37-4-8, Corner (3) 37-4-8 to 42-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Load case(s) 1, 4, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 11-20=-20, 1-2=-520, 2-23=-70, 5-23=-170, 5-24=-70, 24-25=-170, 9-25=-70, 9-10=-520 (F=-450)
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 11-20=-12, 1-23=25, 5-23=-75, 5-24=25, 24-25=-75, 10-25=25, 1-20=-17
Horz: 1-10=-33, 1-20=17, 1-21=67, 10-11=27, 10-22=43
Concentrated Loads (lb)
Horz: 26=200, 27=200 (F)
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60

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Uniform Loads (lb/ft)
Vert: 11-20=-12, 1-23=-5, 5-23=-805, 5-24=-5, 24-25=-805, 10-25=-5, 1-20=-18
Horz: 1-10=-4, 1-20=18, 1-26=71, 10-11=28, 10-27=45

27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 11-20=-12, 1-23=-5, 5-23=-605, 5-24=-5, 24-25=-605, 10-25=-5, 1-20=-18
Horz: 1-10=-4, 1-20=18, 1-26=71, 10-11=28, 10-27=45

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389170
4623747	A12	Monopitch	14	1	Job Reference (optional)

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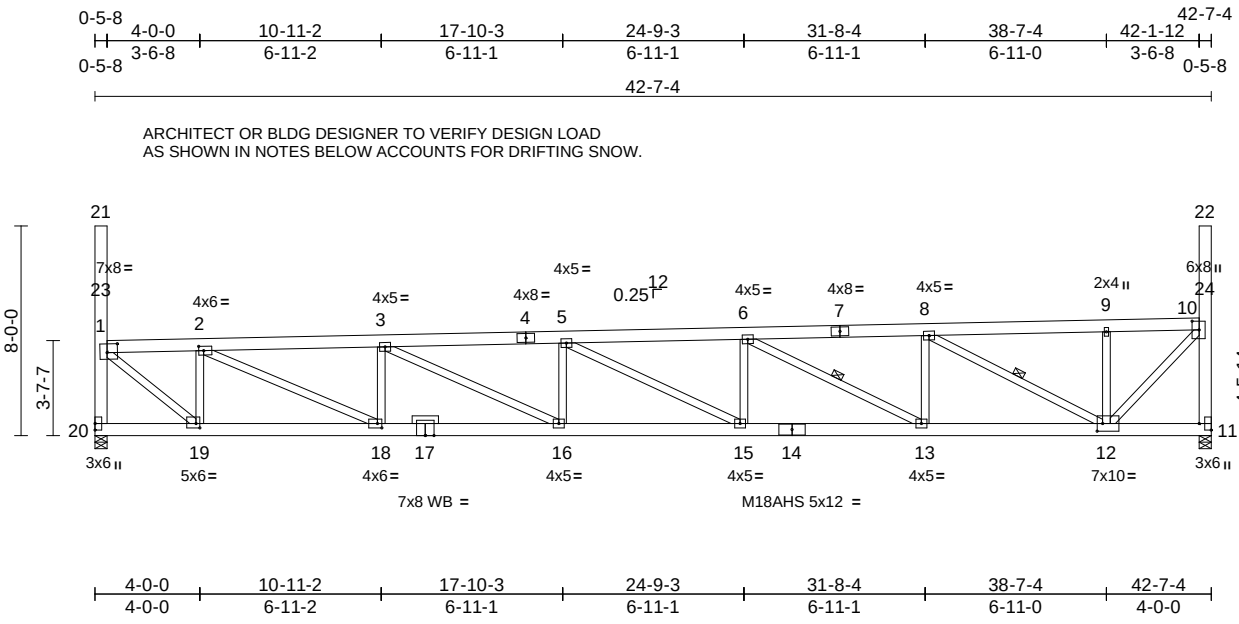

Scale = 1:87.9

Plate Offsets (X, Y): [1:0-4-12,0-4-0], [2:0-2-4,0-2-0], [10:0-4-0,0-3-4], [11:Edge,0-5-8], [12:0-2-8,0-3-8], [18:0-2-0,0-2-0], [19:0-1-12,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.49	15-16	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.79	15-16	>642	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.14	11	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 288 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 HF No.2 *Except* 21-20,22-11:2x6 DF No.2
OTHERS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-7 oc bracing.
WEBS 1 Row at midpt 8-12, 6-13

REACTIONS (size) 11=0-5-8, (req. 0-5-15), 20=0-5-8, (req. 0-5-14)
Max Horiz 20=317 (LC 9)
Max Uplift 11=-125 (LC 12), 20=-151 (LC 8)
Max Grav 11=3613 (LC 1), 20=3579 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3376/609, 2-3=-5653/800, 3-5=-6619/842, 5-6=-6323/810, 6-8=-4923/700, 8-9=-2575/473, 9-10=-2591/478, 1-20=-3524/355, 1-21=0/0, 10-11=-3532/365, 10-22=0/0
BOT CHORD 19-20=-724/860, 18-19=-957/3355, 16-18=-1143/5646, 15-16=-1146/6612, 13-15=-980/6317, 12-13=-669/4917, 11-12=-49/126
WEBS 2-19=-2378/328, 1-19=-424/3820, 9-12=-1264/176, 8-12=-2680/515, 3-18=-934/329, 2-18=-559/2529, 3-16=-318/1075, 5-16=-335/220, 5-15=-332/186, 6-15=-3/356, 6-13=-1585/352, 8-13=-75/892, 10-12=-395/3580

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 5-2-12, Exterior (2) 5-2-12 to 37-4-8, Corner (3) 37-4-8 to 42-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) WARNING: Required bearing size at joint(s) 20, 11 greater than input bearing size.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 20 and 125 lb uplift at joint 11.
9) Load case(s) 1, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-520, 2-9=-70, 9-10=-520, 11-20=-20
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-10=25, 11-20=-12
Horz: 1-10=-33
Concentrated Loads (lb)
Horz: 23=200, 24=200 (F)
27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-10=25, 11-20=-12
Horz: 1-10=-33
Concentrated Loads (lb)
Horz: 23=-200 (F), 24=-200

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389171
4623747	A13	Monopitch	2	**2**	Job Reference (optional)

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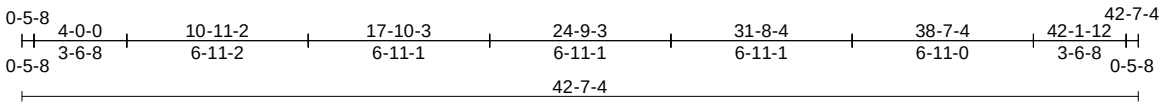
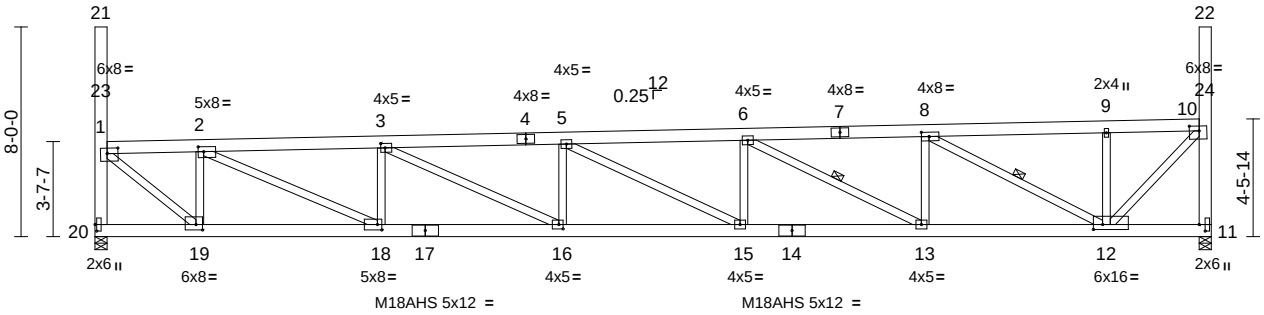
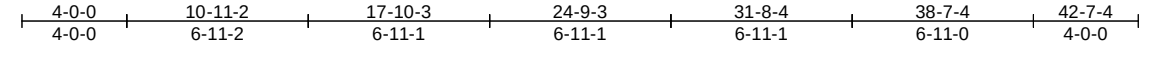


ARCHITECT OR BLDG DESIGNER TO VERIFY DESIGN LOAD
AS SHOWN IN NOTES BELOW ACCOUNTS FOR DRIFTING SNOW.





Scale = 1:87.9

Plate Offsets (X, Y): [1:0-5-0,0-2-8], [2:0-2-8,0-2-4], [3:0-2-0,0-2-0], [8:0-3-8,0-2-0], [10:0-4-8,0-2-4], [11:0-3-0,0-2-12], [12:0-4-4,0-2-4], [16:0-2-0,0-2-0], [18:0-2-0,0-2-8], [19:0-3-0,0-2-8], [20:0-3-0,0-0-12]

Loading	(psf)	**Spacing**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.93	15-16	>550	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.63	Vert(CT)	-1.06	15-16	>479	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.19	11	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 577 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 HF No.2 *Except* 8-12:2x4 DF No.2, 21-20,22-11:2x6 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-12, 6-13

REACTIONS (size) 11=0-5-8, 20=0-5-8
Max Horiz 20=317 (LC 9)
Max Uplift 11=-125 (LC 12), 20=-151 (LC 8)
Max Grav 11=6674 (LC 1), 20=6607 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-7771/610, 2-3=-16236/800, 3-5=-19779/842, 5-6=-18930/810, 6-8=-14276/700, 8-9=-6011/473, 9-10=-6003/478, 1-20=-6560/354, 1-21=0/0, 10-11=-6567/363, 10-22=0/0
BOT CHORD 19-20=-717/850, 18-19=-957/7760, 16-18=-1142/16211, 15-16=-1146/19754, 13-15=-979/18905, 12-13=-671/14253, 11-12=-45/131
WEBS 9-12=-1665/179, 10-12=-388/8579, 2-19=-5831/323, 1-19=-408/9264, 8-12=-9439/520, 3-18=-3864/330, 2-18=-561/9329, 3-16=-317/3943, 5-16=-1586/220, 5-15=-953/187, 6-15=-2/556, 6-13=-5266/349, 8-13=-76/2611

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web 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 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) 0-2-12 to 5-2-12, Exterior (2) 5-2-12 to 37-4-8, Corner (3) 37-4-8 to 42-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 20 and 125 lb uplift at joint 11.
10) Load case(s) 1, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-10=-295, 11-20=-20
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-10=25, 11-20=-12
Horz: 1-10=-33
Concentrated Loads (lb)
Horz: 23=200, 24=200 (F)
27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60

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Uniform Loads (lb/ft)
Vert: 1-10=25, 11-20=-12
Horz: 1-10=-33
Concentrated Loads (lb)
Horz: 23=-200 (F), 24=-200

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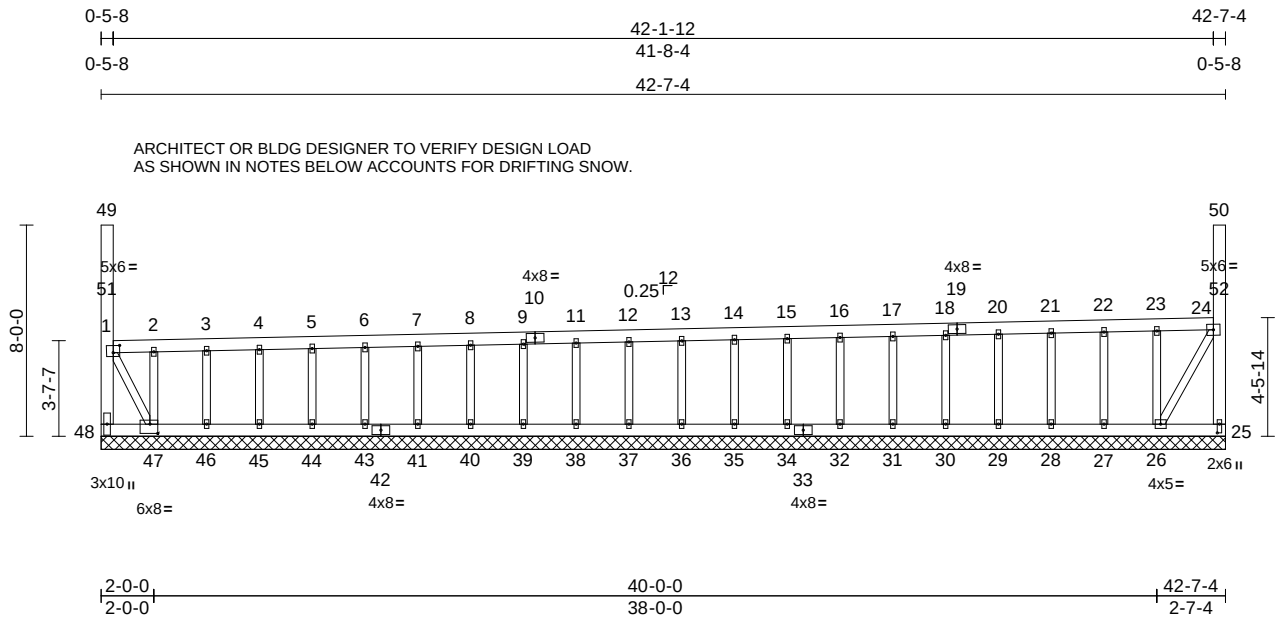
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389172
4623747	A14	Monopitch Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:35 Page: 1
ID:5dQkr9kBtE34g7iOpKuJq1zHFbc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:87.3

Plate Offsets (X, Y): [1:0-3-0,0-3-4], [25:0-4-0,0-1-0], [47:0-3-8,0-4-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.34	Horiz(TL)	0.01	25	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 293 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x6 DF No.2 *Except* 1-47,26-24:2x4 HF No.2
OTHERS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
9-6-2 oc bracing: 47-48
10-0-0 oc bracing: 25-26.

REACTIONS (size) 25=42-7-4, 26=42-7-4, 27=42-7-4, 28=42-7-4, 29=42-7-4, 30=42-7-4, 31=42-7-4, 32=42-7-4, 34=42-7-4, 35=42-7-4, 36=42-7-4, 37=42-7-4, 38=42-7-4, 39=42-7-4, 40=42-7-4, 41=42-7-4, 43=42-7-4, 44=42-7-4, 45=42-7-4, 46=42-7-4, 47=42-7-4, 48=42-7-4
Max Horiz 48=324 (LC 9)
Max Uplift 25=-267 (LC 9), 26=-239 (LC 8), 27=-8 (LC 12), 28=-11 (LC 8), 29=-12 (LC 12), 30=-12 (LC 8), 31=-12 (LC 12), 32=-12 (LC 8), 34=-12 (LC 12), 35=-12 (LC 8), 36=-12 (LC 12), 37=-12 (LC 12), 38=-12 (LC 8), 39=-12 (LC 12), 40=-12 (LC 8), 41=-12 (LC 12), 43=-12 (LC 8), 44=-12 (LC 12), 45=-13 (LC 8), 46=-20 (LC 8), 47=-456 (LC 9), 48=-508 (LC 8)
Max Grav 25=549 (LC 19), 26=1322 (LC 1), 27=1068 (LC 1), 28=1078 (LC 1), 29=1081 (LC 1), 30=1080 (LC 1), 31=1080 (LC 1), 32=1080 (LC 1), 34=1080 (LC 1), 35=1080 (LC 1), 36=1080 (LC 1), 37=1080 (LC 1), 38=1080 (LC 1), 39=1080 (LC 1), 40=1080 (LC 1), 41=1080 (LC 1), 43=1080 (LC 1), 44=1080 (LC 1), 45=1076 (LC 1), 46=1108 (LC 1), 47=1213 (LC 19), 48=617 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-110/87, 2-3=-105/90, 3-4=-104/90, 4-5=-102/91, 5-6=-101/92, 6-7=-100/93, 7-8=-98/94, 8-9=-98/95, 9-11=-99/96, 11-12=-99/97, 12-13=-99/98, 13-14=-100/99, 14-15=-100/100, 15-16=-100/101, 16-17=-101/102, 17-18=-101/103, 18-20=-101/105, 20-21=-102/106, 21-22=-102/107, 22-23=-102/108, 23-24=-105/110, 1-48=-967/1093, 1-49=0/0, 24-25=-529/600, 24-50=0/0
BOT CHORD 47-48=-697/746, 46-47=-247/286, 45-46=-247/286, 44-45=-247/286, 43-44=-247/286, 41-43=-247/286, 40-41=-247/286, 39-40=-247/286, 38-39=-247/286, 37-38=-247/286, 36-37=-247/286, 35-36=-247/286, 34-35=-247/286, 32-34=-247/286, 31-32=-247/286, 30-31=-247/286, 29-30=-247/286, 28-29=-247/286, 27-28=-247/286, 26-27=-247/286, 25-26=-54/82
WEBS 2-47=-995/230, 3-46=-1066/67, 4-45=-1037/52, 5-44=-1040/50, 6-43=-1040/50, 7-41=-1040/50, 8-40=-1040/50, 9-39=-1040/50, 11-38=-1040/50, 12-37=-1040/50, 13-36=-1040/50, 14-35=-1040/50, 15-34=-1040/50, 16-32=-1040/50, 17-31=-1040/50, 18-30=-1040/50, 20-29=-1041/50, 21-28=-1038/50, 22-27=-1026/68, 23-26=-1195/143, 1-47=-1006/931, 24-26=-532/488

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-2-12 to 15-2-12, Exterior (2) 15-2-12 to 27-4-8, Corner (3) 27-4-8 to 42-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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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 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 (||) 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.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 508 lb uplift at joint 48, 456 lb uplift at joint 47, 20 lb uplift at joint 46, 13 lb uplift at joint 45, 12 lb uplift at joint 44, 12 lb uplift at joint 43, 12 lb uplift at joint 41, 12 lb uplift at joint 40, 12 lb uplift at joint 39, 12 lb uplift at joint 38, 12 lb uplift at joint 37, 12 lb uplift at joint 36, 12 lb uplift at joint 35, 12 lb uplift at joint 34, 12 lb uplift at joint 32, 12 lb uplift at joint 31, 12 lb uplift at joint 30, 12 lb uplift at joint 29, 11 lb uplift at joint 28, 8 lb uplift at joint 27, 239 lb uplift at joint 26 and 267 lb uplift at joint 25.
12) Load case(s) 1, 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard Except:

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-24=-520, 25-48=-20
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-24=25, 25-48=-12
   Horz: 1-24=-33, 1-48=18, 1-51=71, 24-25=34, 24-52=52
   Concentrated Loads (lb)
   Horz: 51=200, 52=200 (F)
27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (lb/ft)
   Vert: 1-24=25, 25-48=-12
   Horz: 1-24=-33, 1-48=18, 1-51=71, 24-25=34, 24-52=52
   Concentrated Loads (lb)
   Horz: 51=-200 (F), 52=-200 (F)

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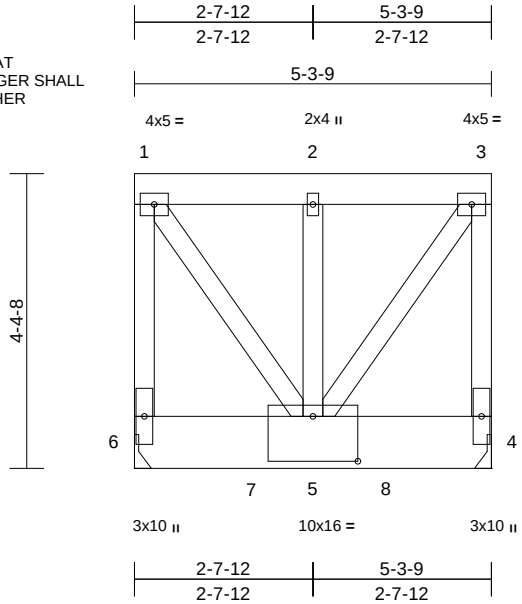
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389173
4623747	B01	Flat	1	3	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223,

Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:36 ID:ROTNs6uBiqpJnhb?pztAqFzDZdJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

WARNIING: MARK TOP CHORD TO PREVENT IMPROPER INSTALLATION.

PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED AT JOINT 7, 8 FOR LOAD REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.25"x 4.5" SCREWS OR OTHER FASTENERS THAT PENETRATES ALL PLIES, PER HANGER MANUFACTURER SPECIFICATIONS.



Scale = 1:34.2

Plate Offsets (X, Y): [5:0-8-0,0-8-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	0.02	5	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.02	5	>999	180		
TCDL	10.0	Rep Stress Incr	Yes	WB	0.26	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 151 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF 2400F 2.0E
BOT CHORD 2x10 DF SS
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, 6= Mechanical
Max Horiz 6=-92 (LC 8)
Max Uplift 4=-426 (LC 9), 6=-401 (LC 8)
Max Grav 4=6045 (LC 19), 6=5623 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-3367/1955, 1-2=-2101/1165, 2-3=-2101/1165, 3-4=-3384/1955
BOT CHORD 5-6=-130/134, 4-5=-47/51
WEBS 3-5=-2161/3809, 2-5=-2/209, 1-5=-2161/3758

NOTES
1) n/a
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 5 rows staggered at 0-4-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
3) 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.
4) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 401 lb uplift at joint 6 and 426 lb uplift at joint 4.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5665 lb down and 3109 lb up at 1-8-13, and 5665 lb down and 3109 lb up at 3-8-13 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-70, 4-6=-20
Concentrated Loads (lb)
Vert: 7=-5590 (B), 8=-5590 (B)

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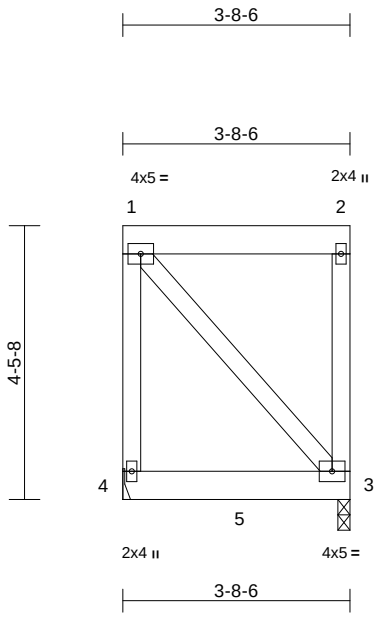
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389174
4623747	B02	Flat Girder	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:36 Page: 1
ID:nNLha04LPXuro4yp8o_dypzDZQ9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:37.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	0.02	3-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.02	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 29 lb	FT = 10%

LUMBER
TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3=0-2-6, 4= Mechanical
Max Horiz 4=98 (LC 5)
Max Uplift 3=-336 (LC 5), 4=-318 (LC 4)
Max Grav 3=372 (LC 15), 4=357 (LC 16)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-119/88, 1-2=-37/28, 2-3=-119/30
BOT CHORD 3-4=-86/77
WEBS 1-3=-76/76

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 318 lb uplift at joint 4 and 336 lb uplift at joint 3.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 524 lb down and 519 lb up at 1-10-14 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).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-70, 3-4=-20
Concentrated Loads (lb)
Vert: 5=-64 (F)

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389175
4623747	C01	Roof Special Girder	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:36 Page: 1
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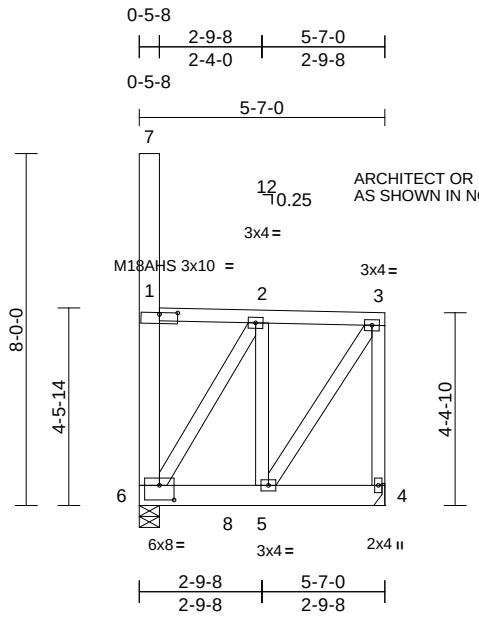

ARCHITECT OR BLDG DESIGNER TO VERIFY DESIGN LOAD AS SHOWN IN NOTES BELOW ACCOUNTS FOR DRIFTING SNOW.

Scale = 1:52.4

Plate Offsets (X, Y): [1:0-4-15,0-2-4], [6:0-4-0,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	0.01	5-6	>999	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.01	5-6	>999	180	MT20	185/148
TCDL	10.0	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 53 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x4 HF No.2 *Except* 7-6:2x6 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, 6=0-5-8
Max Horiz 6=-421 (LC 30)
Max Uplift 4=-303 (LC 5), 6=-678 (LC 30)
Max Grav 4=442 (LC 15), 6=526 (LC 16)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-511/191, 2-3=-240/194, 3-4=-436/333, 1-6=-84/145, 1-7=0/0
BOT CHORD 5-6=-229/269, 4-5=-37/28
WEBS 2-5=-607/374, 3-5=-376/452, 2-6=-405/556

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 4 and 678 lb uplift at joint 6.
9) Load case(s) 30, 31 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 352 lb down and 330 lb up at 2-0-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard Except:
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-70, 4-6=-20
Concentrated Loads (lb)
Vert: 8=-164 (F)
30) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-3=-7, 4-6=-12
Horz: 1-3=15, 3-4=14, 1-6=11, 1-7=33
Concentrated Loads (lb)
Vert: 8=330 (F)
Horz: 7=200
31) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-3=-7, 4-6=-12
Horz: 1-3=15, 3-4=14, 1-6=11, 1-7=33
Concentrated Loads (lb)
Vert: 8=330 (F)
Horz: 7=-200 (F)

May 27,2025

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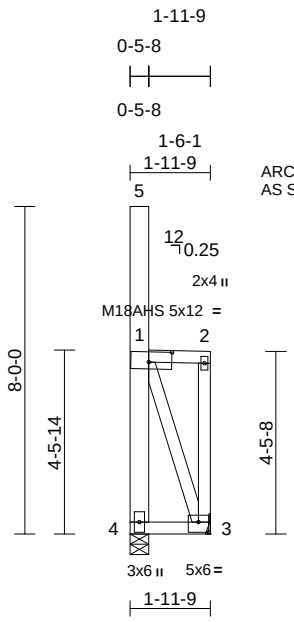
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389176
4623747	C02	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:36 Page: 1
ID:JNC1gESkfZLDZ5_q5t2QrrzDZQz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



ARCHITECT OR BLDG DESIGNER TO VERIFY DESIGN LOAD
AS SHOWN IN NOTES BELOW ACCOUNTS FOR DRIFTING SNOW.

Scale = 1:56.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	0.00	3-4	>999	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.11	Vert(CT)	0.00	3-4	>999	180	MT20	185/148
TCDL	10.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 30 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2 *Except* 5-4:2x6 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3= Mechanical, 4=0-5-8
Max Horiz 4=212 (LC 11)
Max Uplift 3=-509 (LC 9), 4=-496 (LC 8)
Max Grav 3=534 (LC 10), 4=522 (LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-51/59, 2-3=-239/109, 1-4=-756/1930, 1-5=0/0
BOT CHORD 3-4=-303/661
WEBS 1-3=-1710/733

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 509 lb uplift at joint 3 and 496 lb uplift at joint 4.
9) Load case(s) 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
26) User defined (1): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=63, 3-4=-12, 1-4=-17
Horz: 1-2=71, 2-3=27, 1-4=17, 1-5=67
Concentrated Loads (lb)
Horz: 5=200
27) User defined (2): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (lb/ft)
Vert: 1-2=63, 3-4=-12, 1-4=-17
Horz: 1-2=71, 2-3=27, 1-4=17, 1-5=67
Concentrated Loads (lb)
Horz: 5=-200

May 27,2025

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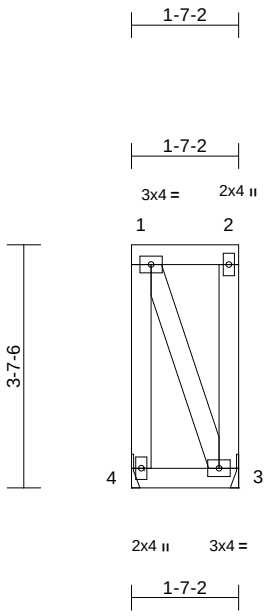
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389177
4623747	P02	Flat	2	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:36 Page: 1
ID:jFrlZoL0XwZA5MSdl4FMa5zHDpC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:34.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	0.00	3-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 14 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical
Max Horiz 4=82 (LC 9)
Max Uplift 3=-108 (LC 9), 4=-108 (LC 8)
Max Grav 3=352 (LC 1), 4=352 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-339/228, 1-2=-41/45, 2-3=-339/41
BOT CHORD 3-4=-114/118
WEBS 1-3=-201/201

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 4 and 108 lb uplift at joint 3.
8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-520, 3-4=-20

May 27,2025

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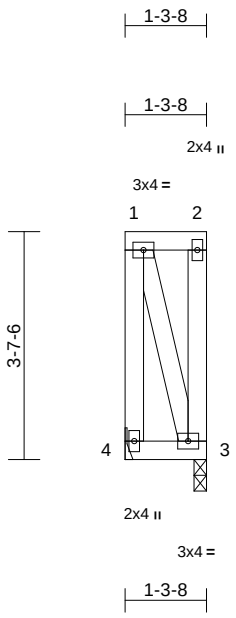
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389178
4623747	P03	Flat	3	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:37 Page: 1
ID:RLgyCj6b9nyScochIktbVtzHDmw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:36.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	0.00	4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 14 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3=0-2-6, 4= Mechanical
Max Horiz 4=82 (LC 9)
Max Uplift 3=-138 (LC 9), 4=-138 (LC 8)
Max Grav 3=312 (LC 19), 4=312 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-302/275, 1-2=-41/45, 2-3=-273/31
BOT CHORD 3-4=-114/118
WEBS 1-3=-254/254

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 4 and 138 lb uplift at joint 3.
9) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-545, 3-4=-20

May 27,2025

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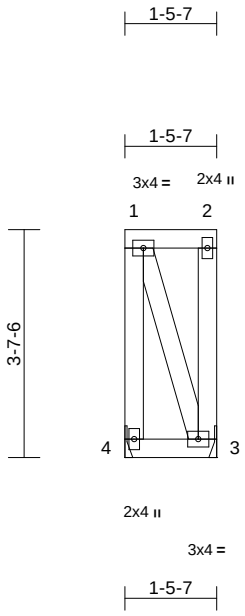
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING LOT 1# R88389179
4623747	P04	Flat	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Fri May 23 17:15:37 Page: 1
ID:jFrlZoL0XwZA5MSdl4FMa5zHDpC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:36.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	0.00	3-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 14 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical
Max Horiz 4=82 (LC 9)
Max Uplift 3=-120 (LC 9), 4=-120 (LC 8)
Max Grav 3=320 (LC 19), 4=320 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-309/246, 1-2=-41/45, 2-3=-302/36
BOT CHORD 3-4=-114/118
WEBS 1-3=-222/222

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 4 and 120 lb uplift at joint 3.
8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-520, 3-4=-20

May 27,2025

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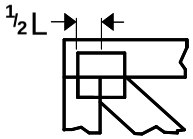
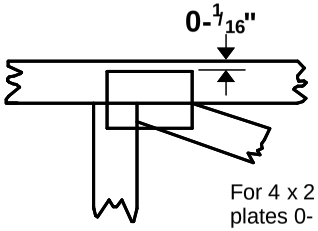
Symbols

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.

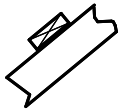
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

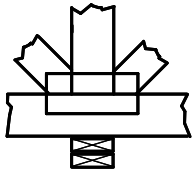
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

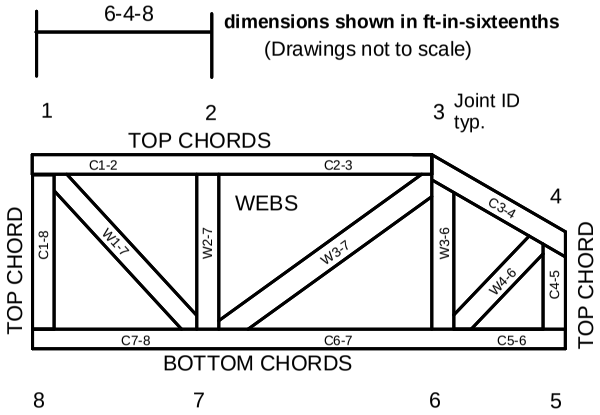


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & 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-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

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.

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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.
21. The design does not take into account any dynamic or other loads other than those expressly stated.