MiTek®

PRCNC20250692

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

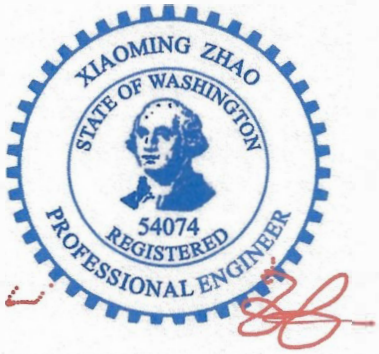
Re: 4623837

MKM EAST TOWN CROSSING CLUB HOUSE
3002 E Pioneer Way, Puyallup WA 98372
P/N: 0420264053

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: R88193529 thru R88193598

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



May 13,2025

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
REVIEWED FOR COMPLIANCE
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06/13/2025
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CITY OF PUYALLUP
STATE OF WASHINGTON

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193529
4623837	A01	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. Tue May 13 15:18:35 Page: 1
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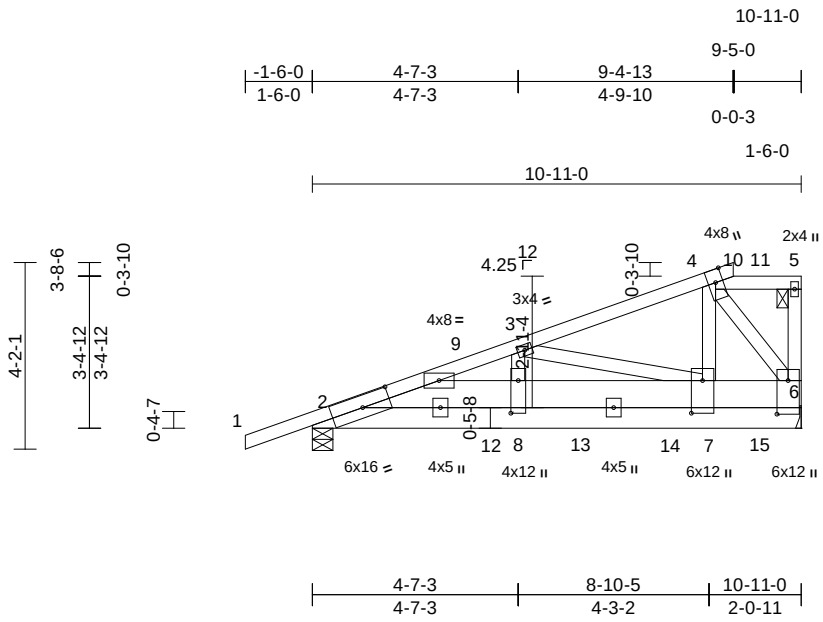

Scale = 1:51.5

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

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	0.40	Vert(LL)	-0.02	7-8	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.04	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.01	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 80 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x6 DF No.2 *Except* 2-6:2x8 DF SS
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 6= Mechanical
Max Horiz 2=93 (LC 7)
Max Uplift 2=-55 (LC 6), 6=-74 (LC 10)
Max Grav 2=878 (LC 28), 6=909 (LC 28)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-1159/0, 3-4=-584/30, 4-5=-31/21, 5-6=-163/57
BOT CHORD 2-8=-11/1019, 7-8=-10/1021, 6-7=-28/470
WEBS 3-8=-53/184, 3-7=-559/6, 4-7=0/445, 4-6=-856/47

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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 6 and 55 lb uplift at joint 2.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 367 lb down and 142 lb up at 9-4-14, and 96 lb down and 49 lb up at 10-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) 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: 1-4=-70, 4-5=-70, 2-6=-20
Concentrated Loads (lb)
Vert: 10=-263, 11=-46 (F), 12=-37 (F), 13=-37 (F), 14=-37 (F), 15=-37 (F)

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193530
4623837	A02	Monopitch	5	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. Tue May 13 15:18:36 Page: 1
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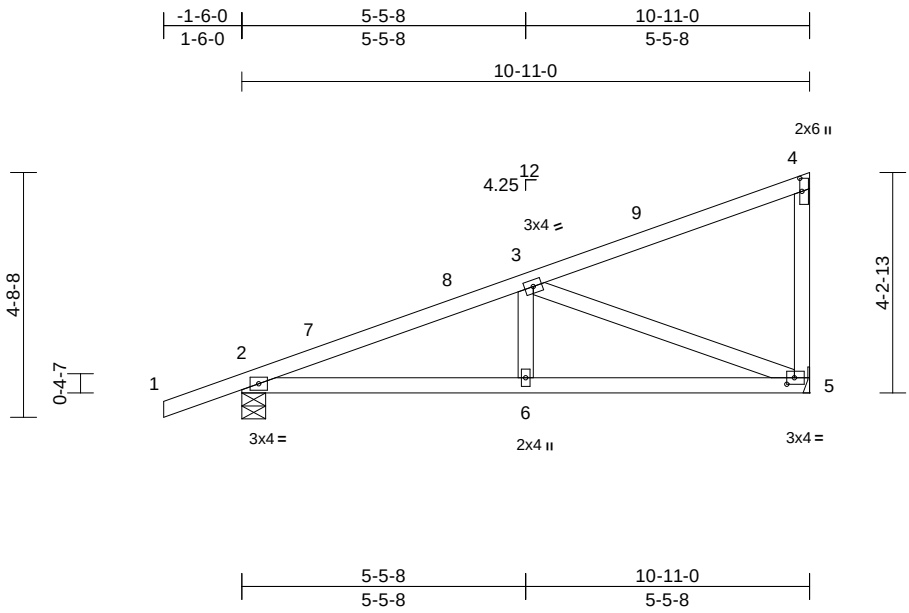

Scale = 1:44.3

Plate Offsets (X, Y): [4:0-3-0,0-0-8], [5:0-1-12,0-1-8]

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	0.47	Vert(LL)	-0.03	2-6	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.05	2-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 41 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 5-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 5= Mechanical
Max Horiz 2=119 (LC 13)
Max Uplift 2=-72 (LC 10), 5=-38 (LC 14)
Max Grav 2=672 (LC 21), 5=610 (LC 21)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-1022/99, 3-4=-132/53, 4-5=-230/106
BOT CHORD 2-6=-202/901, 5-6=-202/901
WEBS 3-6=0/240, 3-5=-931/172

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 10-9-4 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
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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.7 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 38 lb uplift at joint 5 and 72 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193531
4623837	B01	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. Tue May 13 15:18:36 Page: 1
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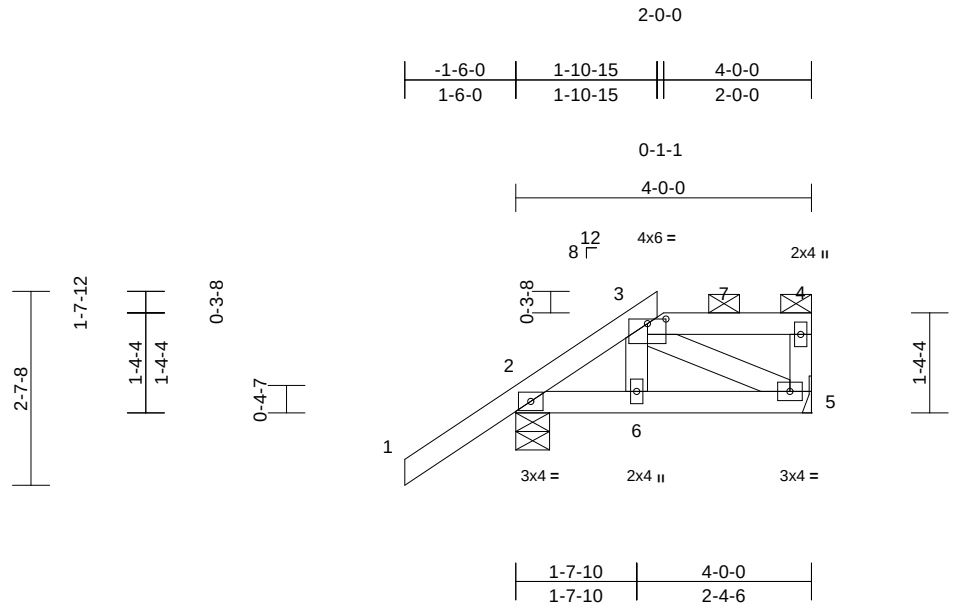

Scale = 1:31.2

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

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	0.36	Vert(LL)	0.00	6	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 17 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 4-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 5= Mechanical
Max Horiz 2=38 (LC 11)
Max Uplift 2=-41 (LC 14), 5=-11 (LC 11)
Max Grav 2=453 (LC 32), 5=209 (LC 31)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-254/32, 3-4=-13/14, 4-5=-110/31
BOT CHORD 2-6=-17/193, 5-6=-21/189
WEBS 3-6=0/89, 3-5=-212/24

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 Exterior(2E) 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 5 and 41 lb uplift at joint 2.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 135 lb down and 101 lb up at 1-9-6 on top 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, 3-4=-70, 2-5=-20
Concentrated Loads (lb)
Vert: 3=-58

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193532
4623837	B02	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. Tue May 13 15:18:37 Page: 1
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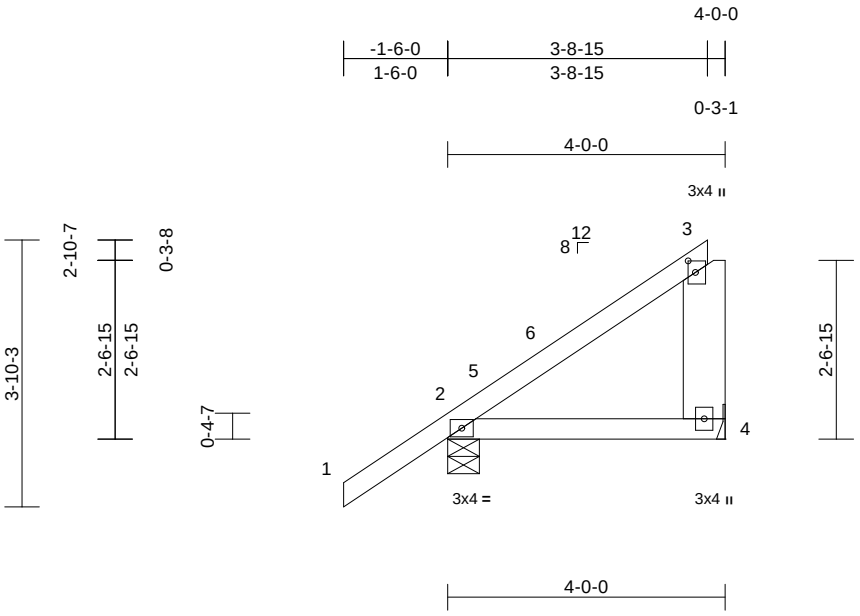

Scale = 1:33.2

Plate Offsets (X, Y): [3:0-2-0,0-1-4]

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	0.36	Vert(LL)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 19 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x8 DF SS

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

REACTIONS (size) 2=0-5-8, 4= Mechanical
Max Horiz 2=75 (LC 9)
Max Uplift 2=-31 (LC 12), 4=-37 (LC 9)
Max Grav 2=329 (LC 18), 4=214 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-100/74, 3-4=-180/100
BOT CHORD 2-4=-31/34

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 3-8-6 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) Provide adequate drainage to prevent water ponding.
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 37 lb uplift at joint 4 and 31 lb uplift at joint 2.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 40 lb up at 3-8-6 on top 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, 2-4=-20
Concentrated Loads (lb)
Vert: 3=-88

May 13,2025

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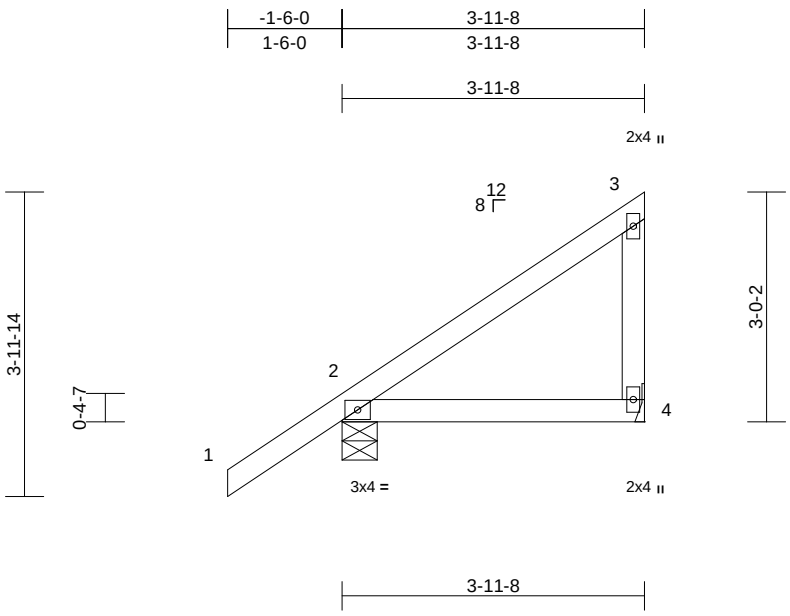
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193533
4623837	B03	Monopitch	17	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:37 Page: 1
ID:6MnWg7LfO1LxF8ssN?2c6RzGuIt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:30.2

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	0.39	Vert(LL)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 15 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 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 4= Mechanical
Max Horiz 2=77 (LC 11)
Max Uplift 2=-31 (LC 12), 4=-14 (LC 12)
Max Grav 2=329 (LC 18), 4=136 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-103/85, 3-4=-118/98
BOT CHORD 2-4=-32/35

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 3-9-12 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 14 lb uplift at joint 4 and 31 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

MiTek®
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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193534
4623837	C01	Monopitch 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. Tue May 13 15:18:37 Page: 1
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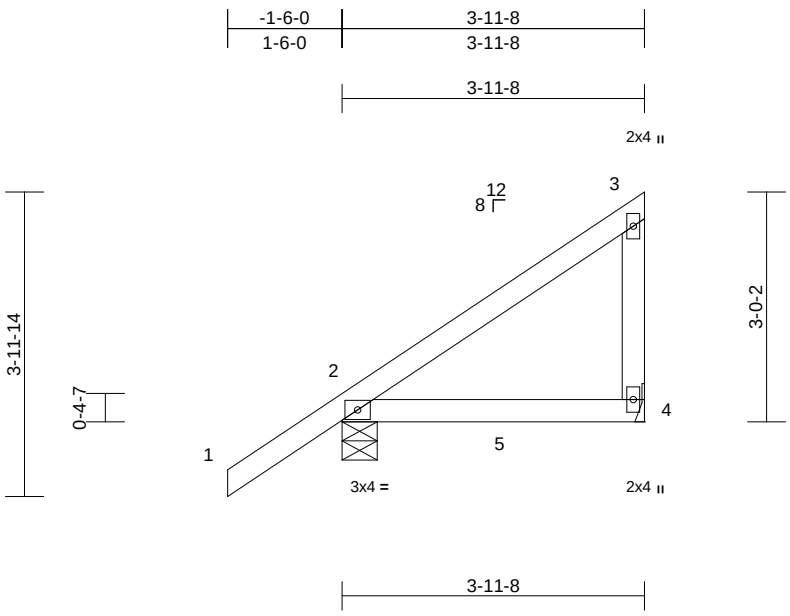

Scale = 1:30.2

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	0.45	Vert(LL)	-0.03	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.06	2-4	>774	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 15 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 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 4= Mechanical
Max Horiz 2=77 (LC 7)
Max Uplift 2=-42 (LC 8), 4=-69 (LC 8)
Max Grav 2=404 (LC 1), 4=434 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-103/52, 3-4=-101/36
BOT CHORD 2-4=-24/18

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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 69 lb uplift at joint 4 and 42 lb uplift at joint 2.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 189 lb down and 23 lb up at 2-0-12, and 205 lb down and 42 lb up at 3-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-70, 2-4=-20
Concentrated Loads (lb)
Vert: 4=-205 (B), 5=-189 (B)

May 13,2025

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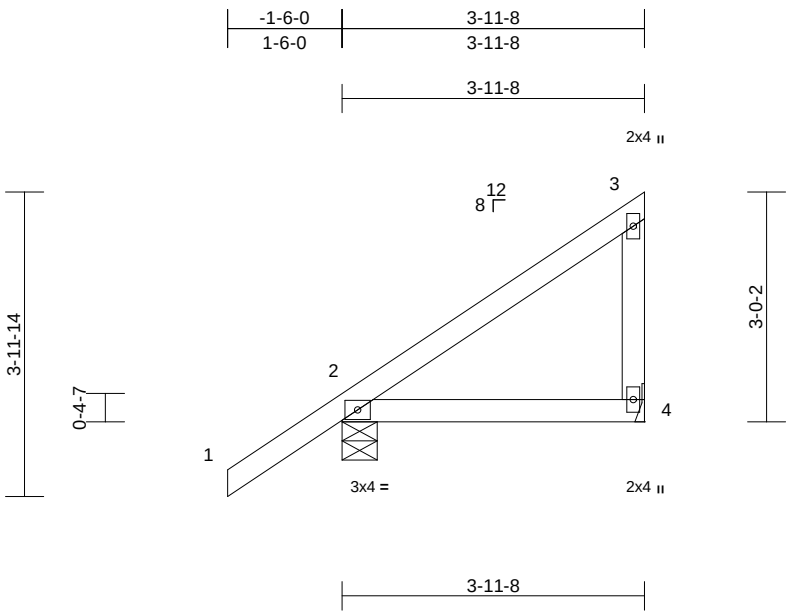
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193535
4623837	C02	Monopitch	9	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:37 Page: 1
ID:libTsQdCSuJTbcF1coni0TzGu5c-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:30.2

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	0.39	Vert(LL)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 15 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 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 4= Mechanical
Max Horiz 2=77 (LC 11)
Max Uplift 2=-31 (LC 12), 4=-14 (LC 12)
Max Grav 2=329 (LC 18), 4=136 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-103/85, 3-4=-118/98
BOT CHORD 2-4=-32/35

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 3-9-12 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 14 lb uplift at joint 4 and 31 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193536
4623837	C03	Monopitch	10	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. Tue May 13 15:18:37 Page: 1
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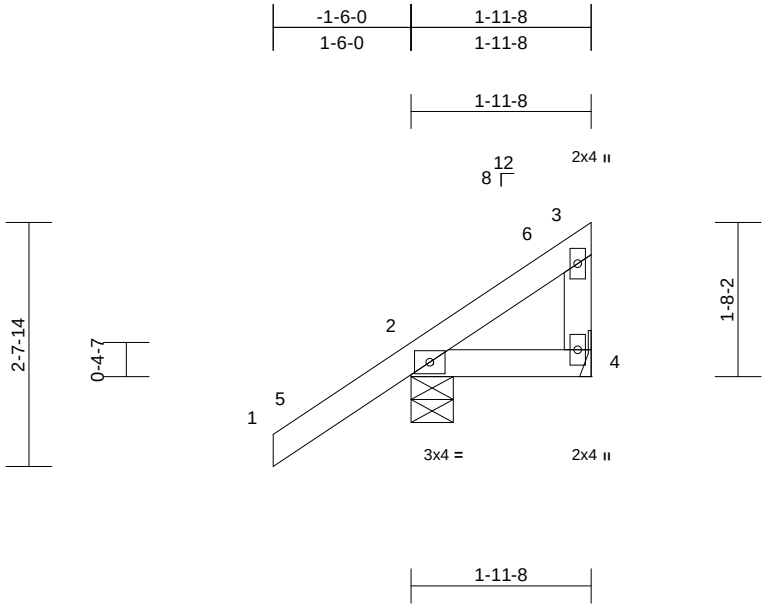

Scale = 1:25.1

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)	0.00	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 9 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 1-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 4= Mechanical
Max Horiz 2=43 (LC 11)
Max Uplift 2=-36 (LC 12), 4=-46 (LC 18)
Max Grav 2=302 (LC 18), 4=39 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/97, 2-3=-63/43, 3-4=-61/63
BOT CHORD 2-4=-16/17

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 1-9-12 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 46 lb uplift at joint 4 and 36 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193537
4623837	D01	Scissor	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. Tue May 13 15:18:38 Page: 1
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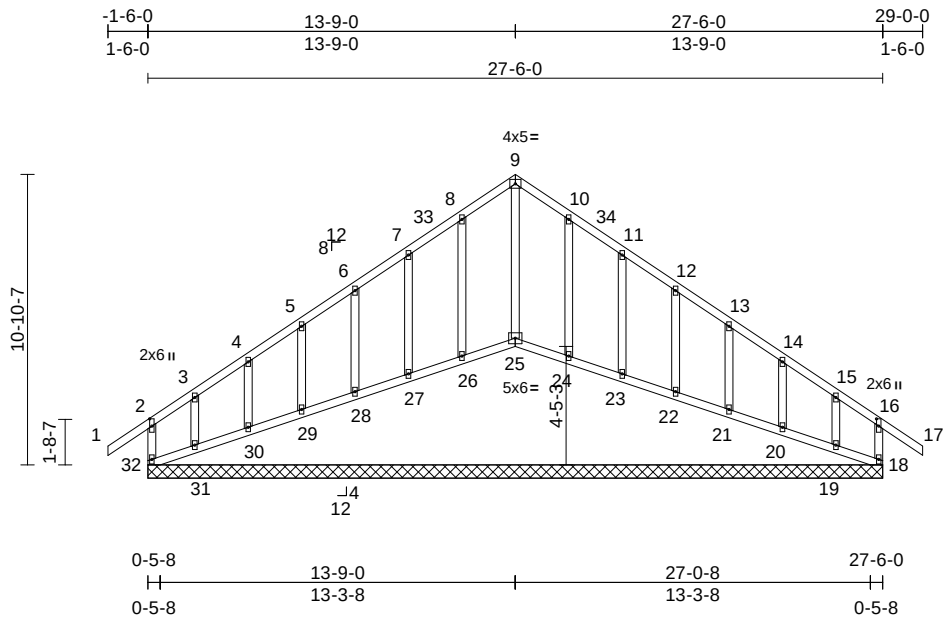

Scale = 1:86.2

Plate Offsets (X, Y): [2:0-3-4,0-1-0], [16:0-3-4,0-1-0], [19:0-0-0,Edge], [20:0-0-0,Edge], [21:0-0-0,Edge], [22:0-0-0,Edge], [23:0-0-0,Edge], [24:0-0-0,Edge]

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	0.33	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.01	18	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	10.0										Weight: 137 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2
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) 18=27-6-0, 19=27-6-0, 20=27-6-0, 21=27-6-0, 22=27-6-0, 23=27-6-0, 24=27-6-0, 25=27-6-0, 26=27-6-0, 27=27-6-0, 28=27-6-0, 29=27-6-0, 30=27-6-0, 31=27-6-0, 32=27-6-0
Max Horiz 32=210 (LC 11)
Max Uplift 18=-100 (LC 9), 19=-121 (LC 8), 20=-23 (LC 13), 21=-38 (LC 13), 22=-34 (LC 13), 23=-38 (LC 13), 24=-29 (LC 13), 25=-13 (LC 11), 26=-30 (LC 12), 27=-38 (LC 12), 28=-34 (LC 12), 29=-39 (LC 12), 30=-22 (LC 12), 31=-136 (LC 9), 32=-181 (LC 8)
Max Grav 18=284 (LC 18), 19=215 (LC 21), 20=191 (LC 1), 21=177 (LC 21), 22=181 (LC 1), 23=177 (LC 1), 24=191 (LC 1), 25=266 (LC 13), 26=191 (LC 1), 27=177 (LC 1), 28=181 (LC 1), 29=178 (LC 20), 30=191 (LC 1), 31=227 (LC 20), 32=306 (LC 21)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/110, 2-3=-135/139, 3-4=-85/110, 4-5=-81/128, 5-6=-80/151, 6-7=-106/175, 7-8=-133/200, 8-9=-158/228, 9-10=-158/226, 10-11=-133/195, 11-12=-106/170, 12-13=-80/146, 13-14=-68/123, 14-15=-72/106, 15-16=-118/122, 16-17=0/110, 2-32=-262/105, 16-18=-262/91
BOT CHORD 31-32=-135/125, 30-31=-115/106, 29-30=-121/110, 28-29=-120/109, 27-28=-120/110, 26-27=-120/110, 25-26=-120/109, 24-25=-120/109, 23-24=-120/110, 22-23=-120/109, 21-22=-120/110, 20-21=-119/109, 19-20=-123/113, 18-19=-102/94
WEBS 9-25=-213/119, 8-26=-149/55, 7-27=-138/62, 6-28=-141/58, 5-29=-137/60, 4-30=-151/54, 3-31=-136/93, 10-24=-149/55, 11-23=-138/62, 12-22=-141/58, 13-21=-137/60, 14-20=-151/55, 15-19=-130/85

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 Exterior(2E) -1-6-0 to 1-9-0, Interior (1) 1-9-0 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior (1) 16-9-0 to 29-0-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 181 lb uplift at joint 32, 13 lb uplift at joint 25, 100 lb uplift at joint 18, 30 lb uplift at joint 26, 38 lb uplift at joint 27, 34 lb uplift at joint 28, 39 lb uplift at joint 29, 22 lb uplift at joint 30, 136 lb uplift at joint 31, 29 lb uplift at joint 24, 38 lb uplift at joint 23, 34 lb uplift at joint 22, 38 lb uplift at joint 21, 23 lb uplift at joint 20 and 121 lb uplift at joint 19.

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Continued on page 2

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12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 25, 26, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19.

LOAD CASE(S) Standard

May 13,2025

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193538
4623837	D02	Scissor	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. Tue May 13 15:18:38 Page: 1
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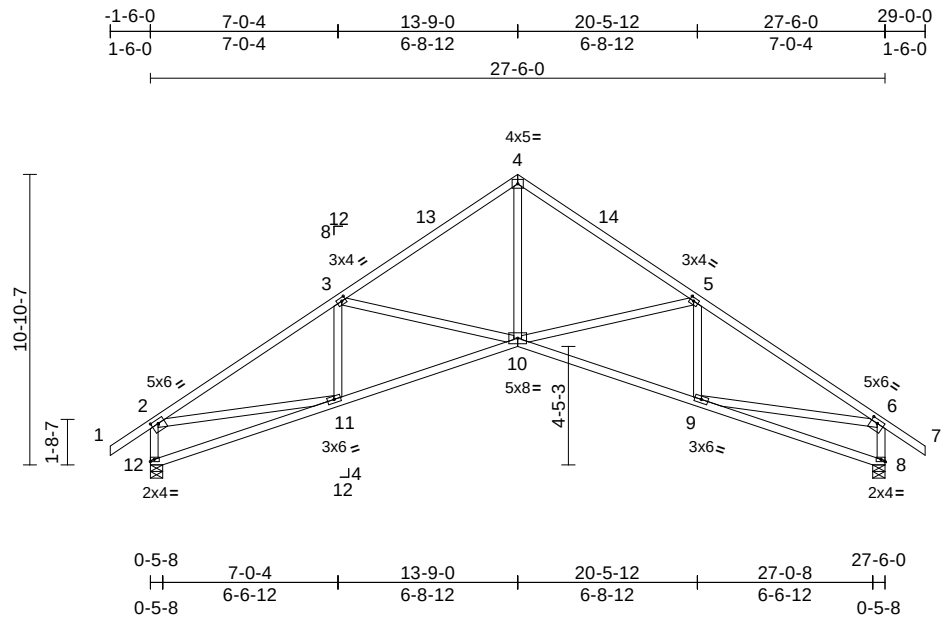

Scale = 1:86.2

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

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	0.67	Vert(LL)	-0.13	10	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.27	9-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.20	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 127 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 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 8=0-5-8, 12=0-5-8
Max Horiz 12=210 (LC 11)
Max Uplift 8=-42 (LC 13), 12=-42 (LC 12)
Max Grav 8=1340 (LC 1), 12=1340 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/110, 2-3=-2169/69, 3-4=-1798/40, 4-5=-1797/61, 5-6=-2168/29, 6-7=0/110, 2-12=-1315/114, 6-8=-1315/94
BOT CHORD 11-12=-205/305, 10-11=-76/1809, 9-10=0/1808, 8-9=-41/153
WEBS 3-11=-215/82, 3-10=-362/160, 4-10=0/1409, 5-10=-386/173, 5-9=-216/80, 2-11=0/1582, 6-9=0/1581

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior (1) 16-9-0 to 29-0-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) Bearing at joint(s) 12, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 12 and 42 lb uplift at joint 8.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193539
4623837	D03	Scissor	9	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. Tue May 13 15:18:38 Page: 1
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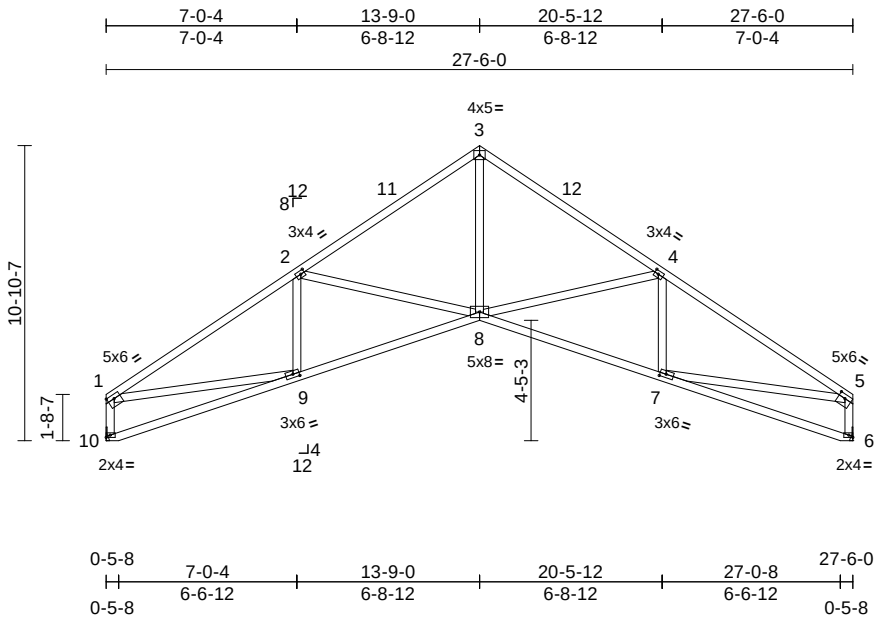

Scale = 1:84.9

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

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	0.83	Vert(LL)	-0.13	8	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.27	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.21	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 122 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 6= Mechanical, 10= Mechanical
Max Horiz 10=188 (LC 9)
Max Uplift 6=-19 (LC 13), 10=-19 (LC 12)
Max Grav 6=1224 (LC 1), 10=1224 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2197/76, 2-3=-1818/72, 3-4=-1817/79, 4-5=-2196/53, 1-10=-1198/86, 5-6=-1198/63
BOT CHORD 9-10=-197/277, 8-9=-98/1842, 7-8=-31/1842, 6-7=-38/145
WEBS 2-9=-225/90, 2-8=-379/162, 3-8=0/1439, 4-8=-401/172, 4-7=-225/91, 1-9=0/1622, 5-7=0/1621

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 Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior (1) 16-9-0 to 27-4-4 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
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 6 and 19 lb uplift at joint 10.

LOAD CASE(S) Standard

May 13,2025

MiTek®
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	D04	Common	1	1	R88193540 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. Tue May 13 15:18:39 Page: 1
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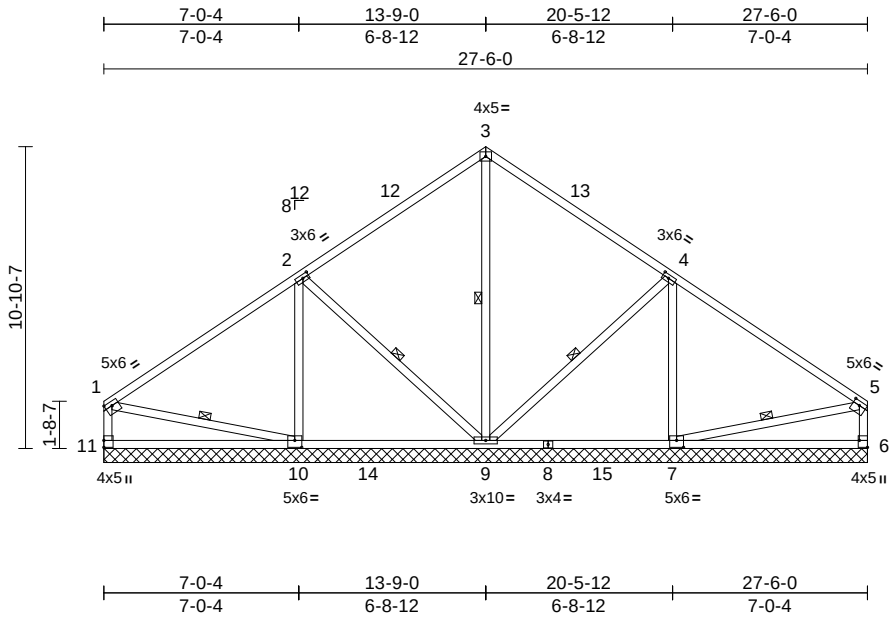


Scale = 1:83

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

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	0.77	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.50	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.91	Horiz(TL)	0.01	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 135 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 3-7-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-11-10 oc bracing.
WEBS 1 Row at midpt 1-10, 5-7, 2-9, 3-9, 4-9

REACTIONS (size) 6=27-6-0, 7=27-6-0, 9=27-6-0, 10=27-6-0, 11=27-6-0
Max Horiz 11=189 (LC 34)
Max Uplift 6=-1334 (LC 42), 7=-826 (LC 42), 9=-49 (LC 39), 10=-837 (LC 39), 11=-1331 (LC 41)
Max Grav 6=1493 (LC 37), 7=1256 (LC 57), 9=696 (LC 56), 10=1277 (LC 56), 11=1494 (LC 38)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1938/1835, 2-3=-1429/1386, 3-4=-1429/1377, 4-5=-1920/1820, 1-11=-1461/1364, 5-6=-1458/1367
BOT CHORD 10-11=-1287/1347, 9-10=-826/877, 7-9=-743/793, 6-7=-1137/1164
WEBS 1-10=-1614/1605, 5-7=-1585/1592, 2-10=-1327/1233, 2-9=-1091/1102, 3-9=-381/20, 4-9=-1096/1108, 4-7=-1320/1225

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 Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior (1) 16-9-0 to 27-4-4 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
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) Gable requires continuous bottom chord bearing.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1331 lb uplift at joint 11, 837 lb uplift at joint 10, 1334 lb uplift at joint 6, 826 lb uplift at joint 7 and 49 lb uplift at joint 9.
7) This truss has been designed for a total drag load of 4528 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 27-6-0 for 164.7 plf.

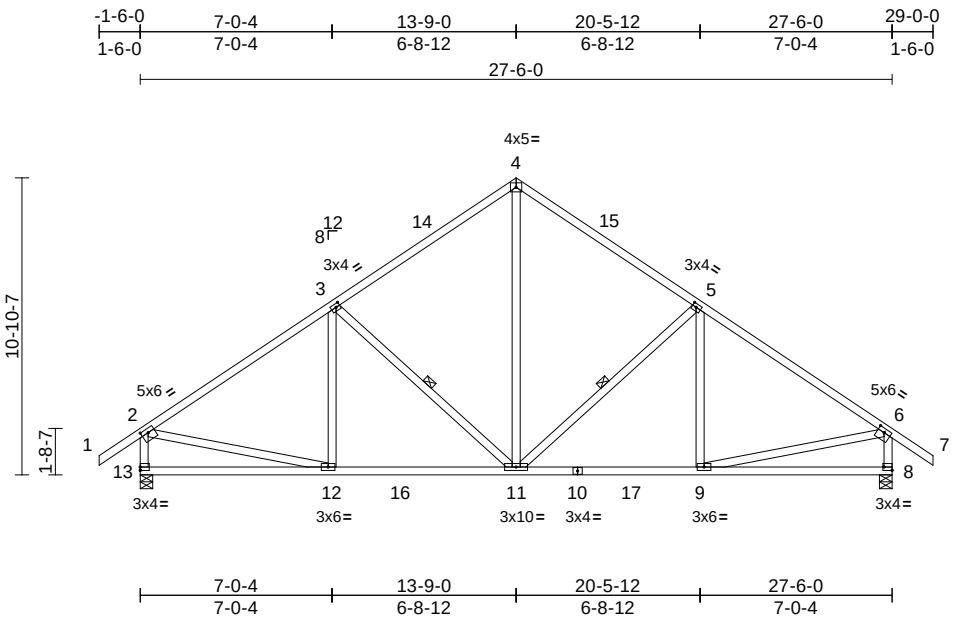
LOAD CASE(S) Standard

May 13,2025

MiTek®
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193541
4623837	D05	Common	4	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. Tue May 13 15:18:39 Page: 1
ID:vP4Dk318nQtsUQubqGlhh1zGtwl-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:84.3

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

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	0.57	Vert(LL)	-0.08	11-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.15	11-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.03	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 140 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 4-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-11, 5-11

REACTIONS (size) 8=0-5-8, 13=0-5-8
Max Horiz 13=207 (LC 11)
Max Uplift 8=-43 (LC 13), 13=-43 (LC 12)
Max Grav 8=1425 (LC 21), 13=1425 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/110, 2-3=-1523/49, 3-4=-1174/109, 4-5=-1174/109, 5-6=-1523/49, 6-7=0/110, 2-13=-1317/91, 6-8=-1317/91
BOT CHORD 12-13=-182/287, 11-12=-38/1295, 9-11=0/1195, 8-9=-30/133
WEBS 2-12=0/1090, 6-9=0/1092, 3-12=-66/182, 3-11=-484/129, 4-11=-18/803, 5-11=-484/129, 5-9=-66/181

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior (1) 16-9-0 to 29-0-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 13 and 43 lb uplift at joint 8.

LOAD CASE(S) Standard

May 13,2025

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Roseville, CA 95661
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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	D06	Common	5	1	R88193542 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. Tue May 13 15:18:39 Page: 1
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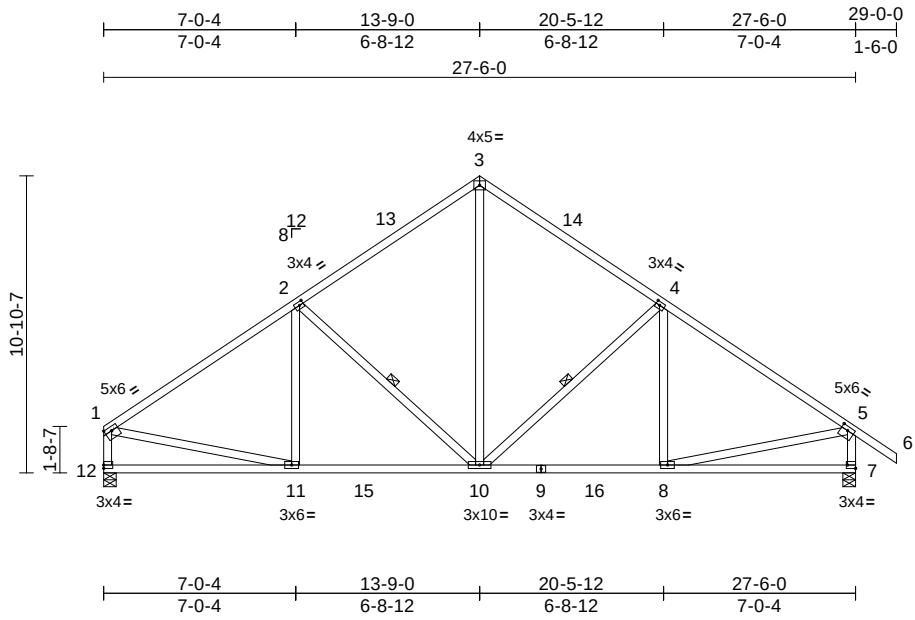

Scale = 1:84.3

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

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	0.62	Vert(LL)	-0.08	10-11	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.15	10-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.03	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 137 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 3-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 7-8.
WEBS 1 Row at midpt 2-10, 4-10

REACTIONS (size) 7=0-5-8, 12=0-5-8
Max Horiz 12=-201 (LC 10)
Max Uplift 7=-42 (LC 13), 12=-20 (LC 12)
Max Grav 7=1428 (LC 21), 12=1321 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1530/47, 2-3=-1180/110, 3-4=-1178/109, 4-5=-1526/49, 5-6=0/110, 1-12=-1213/56, 5-7=-1320/91
BOT CHORD 11-12=-167/273, 10-11=-39/1309, 8-10=0/1199, 7-8=-30/133
WEBS 1-11=0/1105, 5-8=0/1096, 2-11=-71/180, 2-10=-499/131, 3-10=-20/813, 4-10=-484/129, 4-8=-67/181

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 Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior (1) 16-9-0 to 29-0-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 12 and 42 lb uplift at joint 7.

LOAD CASE(S) Standard

May 13,2025

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400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193543
4623837	D07	Common Structural 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. Tue May 13 15:18:39 Page: 1
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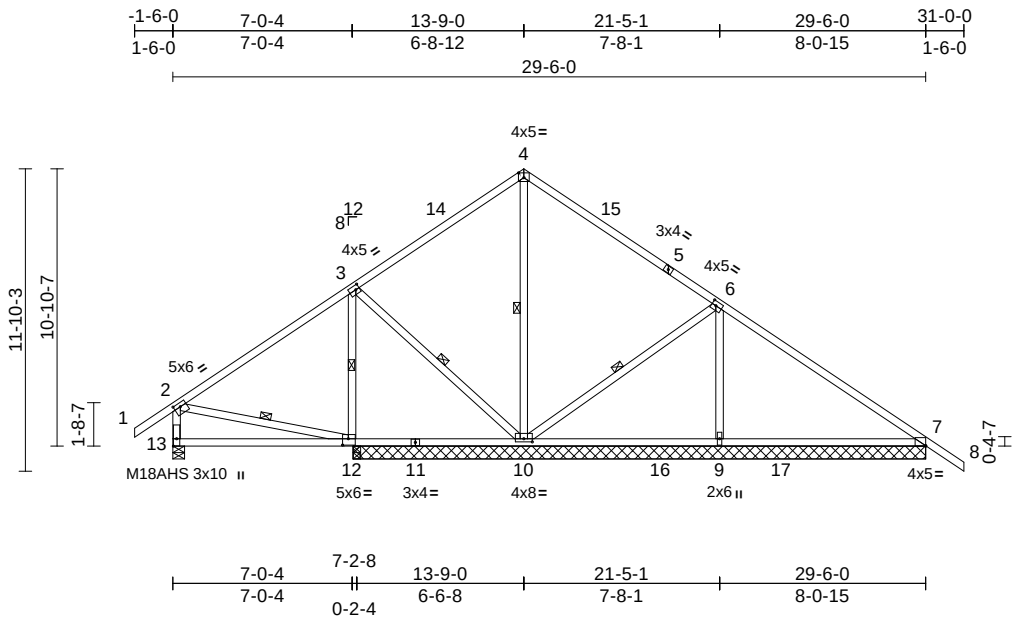

Scale = 1:90.3

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

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	0.82	Vert(LL)	-0.14	7-9	>695	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.27	7-9	>364	180	M18AHS	145/140
TCDL	10.0	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.03	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 138 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 5-8:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-2-15 oc bracing.
WEBS 1 Row at midpt 2-12, 4-10, 3-10, 3-12, 6-10

REACTIONS (size) 7=22-5-4, 9=22-5-4, 10=22-5-4, 12=22-5-4, 13=0-5-8
Max Horiz 13=-255 (LC 37)
Max Uplift 7=-1948 (LC 43), 9=-1519 (LC 43), 10=-67 (LC 41), 12=-1399 (LC 40), 13=-1730 (LC 40)
Max Grav 7=2121 (LC 38), 9=1993 (LC 58), 10=720 (LC 56), 12=1700 (LC 37), 13=1888 (LC 53)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/110, 2-3=-2451/2374, 3-4=-1826/1804, 4-6=-2505/2458, 6-7=-3496/3423, 7-8=0/96, 2-13=-1891/1764
BOT CHORD 12-13=-246/334, 10-12=-2076/2141, 9-10=-2122/2205, 7-9=-2800/2910
WEBS 2-12=-2063/2058, 4-10=-511/236, 3-10=-1650/1665, 3-12=-1973/1879, 6-10=-1462/1501, 6-9=-1768/1609

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior (1) 16-9-0 to 31-0-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1730 lb uplift at joint 13, 1399 lb uplift at joint 12, 67 lb uplift at joint 10, 1519 lb uplift at joint 9 and 1948 lb uplift at joint 7.
8) This truss has been designed for a total drag load of 7057 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 7-0-12 to 29-6-0 for 314.5 plf.

LOAD CASE(S) Standard

May 13,2025

MiTek®
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	D08	Common	3	1	R88193544
					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. Tue May 13 15:18:40 Page: 1
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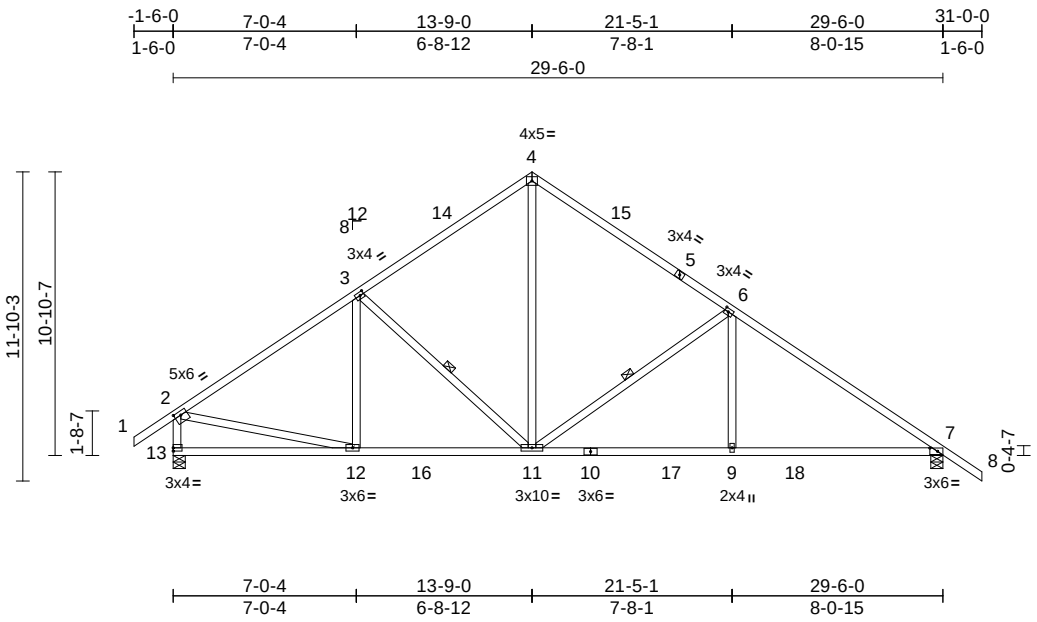

Scale = 1:88.3

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

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	0.83	Vert(LL)	-0.17	7-9	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.32	7-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.06	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 135 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 12-13.
WEBS 1 Row at midpt 3-11, 6-11

REACTIONS (size) 7=0-5-8, 13=0-5-8
Max Horiz 13=-207 (LC 10)
Max Uplift 7=-53 (LC 13), 13=-41 (LC 12)
Max Grav 7=1556 (LC 21), 13=1522 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/110, 2-3=-1654/50, 3-4=-1327/109, 4-6=-1348/105, 6-7=-2089/46, 7-8=0/100, 2-13=-1413/90
BOT CHORD 12-13=-169/290, 11-12=-35/1403, 9-11=0/1623, 7-9=0/1623
WEBS 2-12=0/1200, 4-11=-10/957, 3-11=-461/130, 3-12=-86/162, 6-11=-841/148, 6-9=0/431

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior (1) 16-9-0 to 31-0-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 13 and 53 lb uplift at joint 7.

LOAD CASE(S) Standard

May 13,2025

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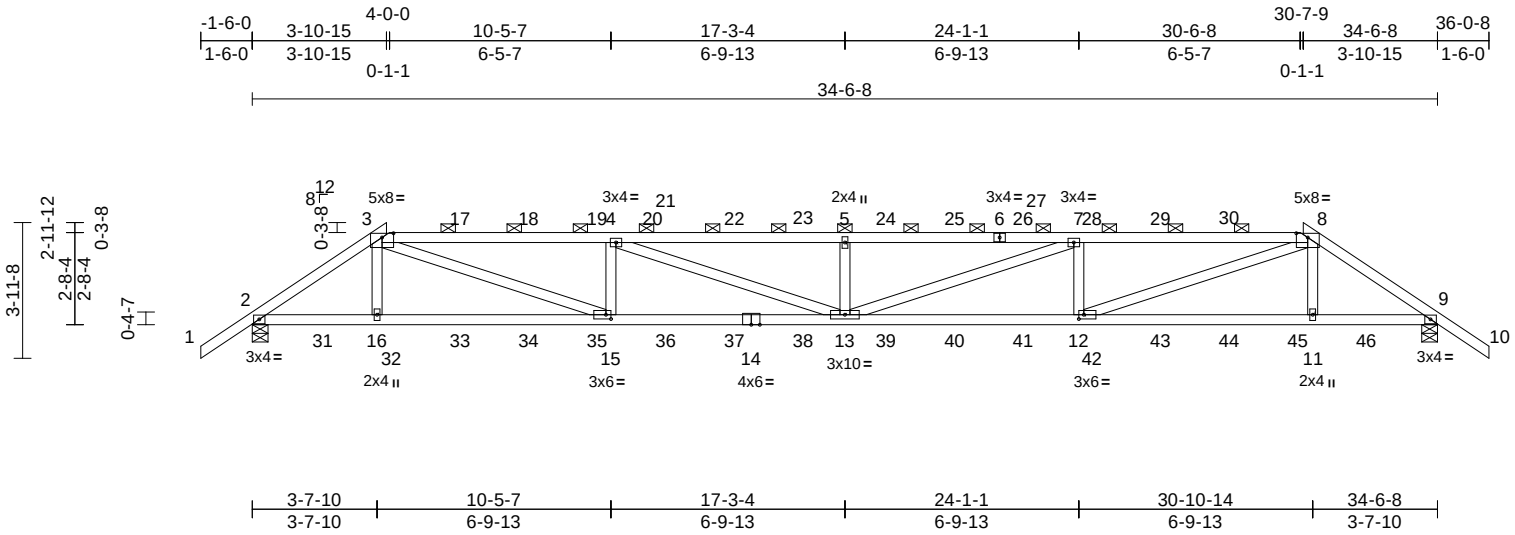
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	E01	California Girder	1	2	R88193545 Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:41 Page: 1
ID:gboDUtVAmOBUbyncofEmZkzGthy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:67.1

Plate Offsets (X, Y): [3:0-4-0,0-1-8], [8:0-4-0,0-1-8], [12:0-1-12,0-1-8], [15:0-1-12,0-1-8]

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	0.74	Vert(LL)	-0.42	13	>972	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.74	13-15	>552	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.42	Horz(CT)	0.13	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 274 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 3-6,6-8:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (5-0-15 max.): 3-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 9=0-5-8
Max Horiz 2=56 (LC 9)
Max Uplift 2=-457 (LC 10), 9=-456 (LC 11)
Max Grav 2=2299 (LC 33), 9=2299 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-3558/747, 3-4=-6717/1488, 4-5=-7948/1813, 5-7=-7948/1813, 7-8=-6715/1483, 8-9=-3558/745, 9-10=0/100
BOT CHORD 2-16=-619/2975, 15-16=-624/2966, 13-15=-1453/6745, 12-13=-1443/6736, 11-12=-602/2958, 9-11=-596/2967
WEBS 3-16=0/312, 8-11=0/312, 4-15=-1166/426, 3-15=-898/4024, 4-13=-350/1402, 5-13=-723/355, 7-13=-355/1404, 7-12=-1165/425, 8-12=-893/4022

NOTES
1) 2-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.
Bottom chords connected as follows: 2x4 - 1 row 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) exterior 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) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 2 and 456 lb uplift at joint 9.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 181 lb down and 129 lb up at 3-9-6, 140 lb down and 80 lb up at 6-0-12, 146 lb down and 84 lb up at 8-0-12, 147 lb down and 85 lb up at 10-0-12, 147 lb down and 86 lb up at 12-0-12, 148 lb down and 87 lb up at 14-0-12, 148 lb down and 88 lb up at 16-0-12, 148 lb down and 89 lb up at 17-3-4, 147 lb down and 86 lb up at 18-5-12, 147 lb down and 86 lb up at 20-5-12, 147 lb down and 86 lb up at 22-5-12, 147 lb down and 85 lb up at 24-5-12, 146 lb down and 84 lb up at 26-5-12, and 140 lb down and 80 lb up at 28-5-12, and 181 lb down and 129 lb up at 30-9-2 on top chord, and 5 lb down at 2-0-12, 34 lb down at 4-0-12, 34 lb down at 6-0-12, 34 lb down at 8-0-12, 34 lb down at 10-0-12, 34 lb down at 12-0-12, 34 lb down at 14-0-12, 34 lb down at 16-0-12, 34 lb down at 17-3-4, 34 lb down at 18-5-12, 34 lb down at 20-5-12, 34 lb down at 22-5-12, 34 lb down at 24-5-12, 34 lb down at 26-5-12, 34 lb down at 28-5-12, and 34 lb down at 30-5-12, and 5 lb down at 32-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

May 13,2025

Continued on page 2

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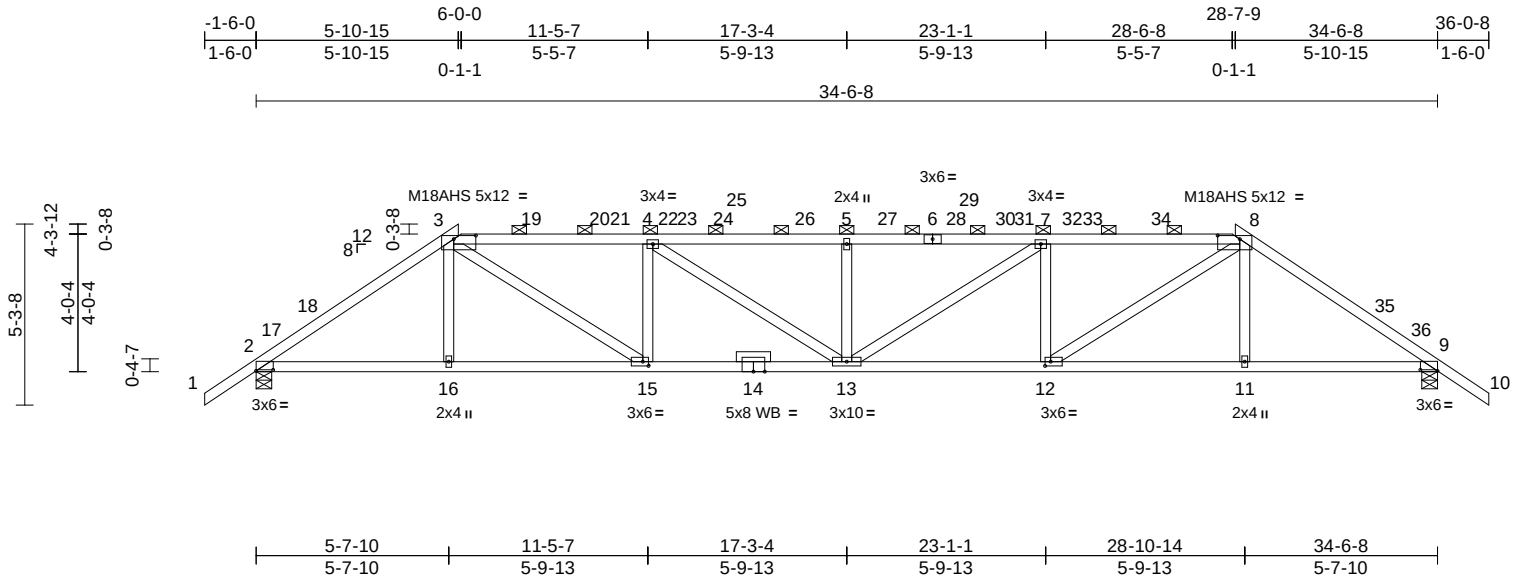
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-3=-70, 3-8=-70, 8-10=-70, 2-9=-20
   Concentrated Loads (lb)
   Vert: 3=-62, 8=-62, 13=-17 (F), 5=-40, 17=-40, 18=-40, 19=-40, 21=-40, 22=-40, 23=-40, 24=-40, 25=-40, 26=-40, 28=-40, 29=-40, 30=-40, 32=-17 (F), 33=-17 (F), 34=-17 (F), 35=-17 (F), 36=-17 (F), 37=-17 (F), 38=-17 (F), 39=-17 (F), 40=-17 (F), 41=-17 (F), 42=-17 (F), 43=-17 (F), 44=-17 (F), 45=-17 (F)

May 13,2025

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193546
4623837	E02	California	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. Tue May 13 15:18:41 Page: 1
ID:5iXCFXxN2mrEXe6jTwPRZYzGthN-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:67.4

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

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	0.92	Vert(LL)	-0.33	13	>999	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.54	13-15	>752	180	MT20	220/195
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.16	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 144 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 3-6,6-8:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2
OTHERS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-0-5 max.): 3-8.
BOT CHORD Rigid ceiling directly applied or 9-1-8 oc bracing.

REACTIONS (size) 2=0-5-8, 9=0-5-8
Max Horiz 2=-79 (LC 12)
Max Uplift 2=-201 (LC 14), 9=-201 (LC 15)
Max Grav 2=1909 (LC 37), 9=1909 (LC 39)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2721/306, 3-4=-3726/451, 4-5=-4123/514, 5-7=-4123/514, 7-8=-3726/451, 8-9=-2721/306, 9-10=0/100
BOT CHORD 2-16=-225/2218, 15-16=-228/2213, 13-15=-386/3726, 12-13=-374/3726, 11-12=-192/2213, 9-11=-189/2218
WEBS 3-16=0/243, 8-11=0/243, 3-15=-229/1811, 8-12=-230/1811, 4-15=-881/194, 4-13=-91/561, 5-13=-467/163, 7-13=-91/561, 7-12=-881/194

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 Exterior(2E) -1-6-0 to 1-11-7, Interior (1) 1-11-7 to 5-9-6, Exterior(2R) 5-9-6 to 10-8-0, Interior (1) 10-8-0 to 28-9-2, Exterior(2R) 28-9-2 to 33-7-12, Interior (1) 33-7-12 to 36-0-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 201 lb uplift at joint 2 and 201 lb uplift at joint 9.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 133 lb down and 123 lb up at 5-9-6, 96 lb down and 80 lb up at 8-0-12, 101 lb down and 84 lb up at 10-0-12, 101 lb down and 84 lb up at 12-0-12, 101 lb down and 84 lb up at 14-0-12, 101 lb down and 84 lb up at 16-0-12, 101 lb down and 84 lb up at 17-3-4, 101 lb down and 84 lb up at 18-5-12, 101 lb down and 84 lb up at 20-5-12, 101 lb down and 84 lb up at 22-5-12, 101 lb down and 84 lb up at 24-5-12, and 96 lb down and 80 lb up at 26-5-12, and 133 lb down and 123 lb up at 28-9-2 on top 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, 3-8=-70, 8-10=-70, 2-9=-20

May 13,2025

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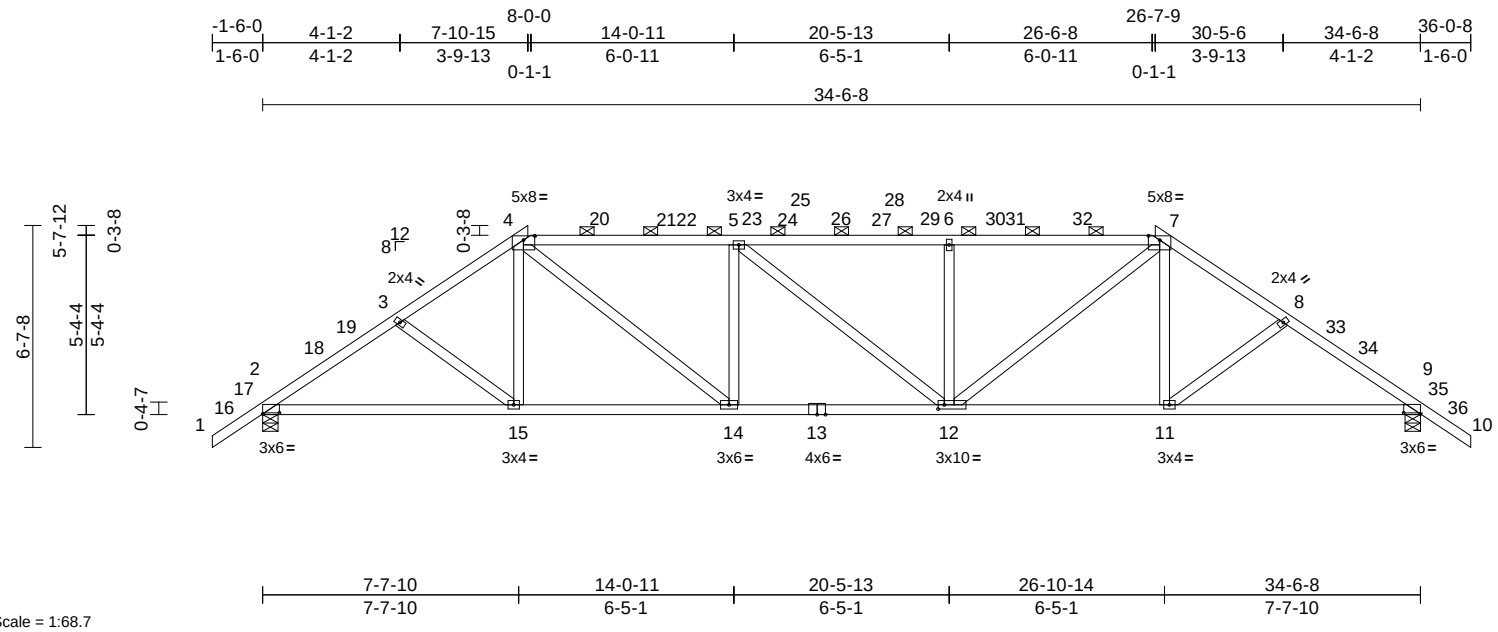
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193547
4623837	E03	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:42 Page: 1
ID:d31hApL4Hv?Z_i83vMVAPVzGtgs-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:68.7

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

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	0.78	Vert(LL)	-0.21	12-14	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.36	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.13	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 152 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 4-7:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except 2-0-0 oc purlins (2-11-10 max.): 4-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 9=0-5-8
Max Horiz 2=101 (LC 13)
Max Uplift 2=-144 (LC 14), 9=-144 (LC 15)
Max Grav 2=1932 (LC 37), 9=1932 (LC 39)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2748/216, 3-4=-2450/208, 4-5=-2995/260, 5-6=-2995/259, 6-7=-2995/259, 7-8=-2450/208, 8-9=-2748/216, 9-10=0/100
BOT CHORD 2-15=-174/2143, 14-15=-131/2036, 12-14=-184/2995, 11-12=-75/2036, 9-11=-114/2143
WEBS 4-15=-13/287, 4-14=-121/1233, 7-12=-120/1232, 7-11=-13/287, 5-14=-650/150, 5-12=-116/116, 6-12=-649/135, 3-15=-205/171, 8-11=-205/171

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 Exterior(2E) -1-6-0 to 1-11-7, Interior (1) 1-11-7 to 7-9-6, Exterior(2R) 7-9-6 to 12-8-0, Interior (1) 12-8-0 to 26-9-2, Exterior(2R) 26-9-2 to 31-7-12, Interior (1) 31-7-12 to 36-0-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 2 and 144 lb uplift at joint 9.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 134 lb down and 124 lb up at 7-9-6, 98 lb down and 71 lb up at 10-0-12, 103 lb down and 75 lb up at 12-0-12, 103 lb down and 75 lb up at 14-0-12, 103 lb down and 75 lb up at 16-0-12, 103 lb down and 75 lb up at 17-3-4, 103 lb down and 75 lb up at 18-5-12, 103 lb down and 75 lb up at 20-5-12, 103 lb down and 75 lb up at 22-5-12, and 98 lb down and 71 lb up at 24-5-12, and 134 lb down and 124 lb up at 26-9-2 on top 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: 1-4=-70, 4-7=-70, 7-10=-70, 2-9=-20

May 13,2025

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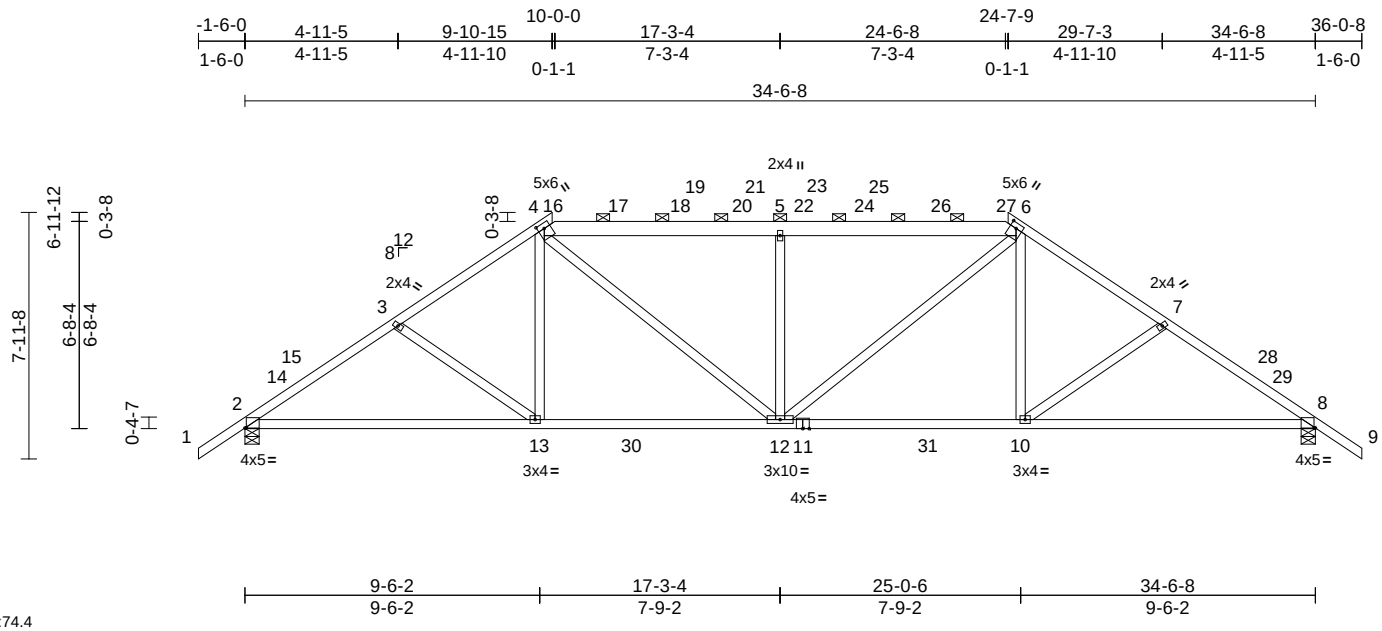
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193548
4623837	E04	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:42 Page: 1
ID:lqr0T4iuC7nlbJQqff1DcqzGtgO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:74.4

Plate Offsets (X, Y): [2:0-0-8,Edge], [4:0-2-0,0-2-8], [6:0-2-0,0-2-8], [8:0-0-8,Edge]

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	0.70	Vert(LL)	-0.20	2-13	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.41	8-10	>994	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.13	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 161 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 4-6:2x6 DF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-7 oc purlins, except 2-0-0 oc purlins (3-6-5 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (size) 2=0-5-8, 8=0-5-8
Max Horiz 2=122 (LC 13)
Max Uplift 2=-122 (LC 14), 8=-151 (LC 15)
Max Grav 2=2028 (LC 43), 8=2016 (LC 45)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2900/189, 3-4=-2608/171, 4-5=-2835/260, 5-6=-2835/260, 6-7=-2587/223, 7-8=-2881/239, 8-9=0/100
BOT CHORD 2-13=-158/2405, 12-13=-98/2175, 10-12=-40/2141, 8-10=-116/2298
WEBS 3-13=-361/161, 4-13=0/531, 4-12=-158/1005, 5-12=-1095/215, 6-12=-141/957, 6-10=0/533, 7-10=-359/148

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 Exterior(2E) -1-6-0 to 1-11-7, Interior (1) 1-11-7 to 9-7-14, Exterior(2R) 9-7-14 to 14-6-8, Interior (1) 14-6-8 to 24-10-10, Exterior(2R) 24-10-10 to 29-8-12, Interior (1) 29-8-12 to 36-0-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 8 and 122 lb uplift at joint 2.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 74 lb up at 9-11-8, 98 lb down and 71 lb up at 12-0-12, 103 lb down and 75 lb up at 14-0-12, 103 lb down and 75 lb up at 16-0-12, 103 lb down and 75 lb up at 17-3-4, 77 lb down and 21 lb up at 18-5-12, 77 lb down and 21 lb up at 20-5-12, and 77 lb down and 21 lb up at 22-5-12, and 81 lb down and 74 lb up at 24-7-0 on top 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: 1-4=-70, 4-6=-70, 6-9=-70, 2-8=-20
Concentrated Loads (lb)
Vert: 17=0, 23=-70, 25=-70, 26=-70

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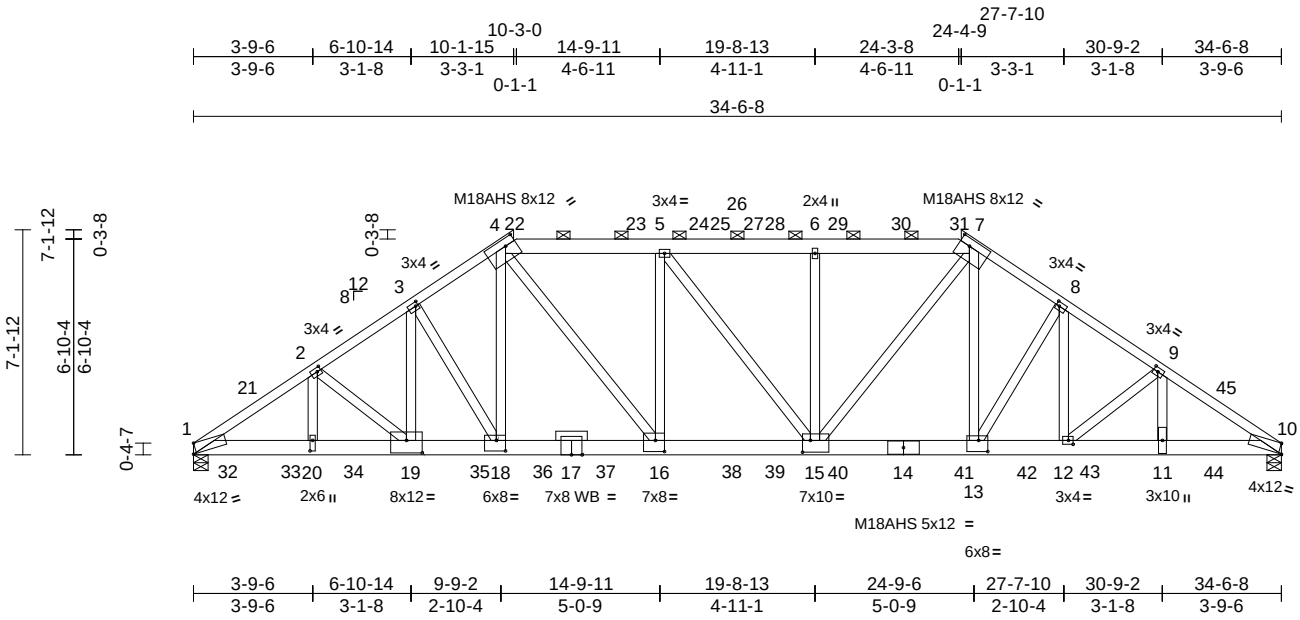
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193549
4623837	E05	California Girder	1	3	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:43 Page: 1
ID:kyES9aOG7jFQkfJpjSwbjEzGtVA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:73.2

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

Plate Offsets (X, Y): [1:Edge,0-4-0], [2:0-1-8,0-1-8], [3:0-1-0,0-1-8], [4:0-4-0,0-2-12], [7:0-4-0,0-2-12], [8:0-1-4,0-1-8], [9:0-1-12,0-1-8], [10:0-1-3,Edge], [12:0-1-12,0-1-8], [13:0-3-8,0-4-4], [15:0-3-0,0-4-8], [16:0-3-8,0-4-4], [18:0-3-8,0-4-0], [19:0-6-0,0-4-12], [20:0-4-0,0-1-0]

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	0.72	Vert(LL)	-0.29	15-16	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.47	15-16	>871	180	M18AHS	145/140
TCDL	10.0	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.14	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 688 lb	FT = 10%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except* 4-7:2x6 DF No.2
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 HF No.2
OTHERS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 1=0-5-8, (req. 0-8-0), 10=0-5-8, (req. 0-7-8)
Max Horiz 1=108 (LC 46)
Max Uplift 1=-684 (LC 10), 10=-884 (LC 11)
Max Grav 1=14569 (LC 38), 10=13717 (LC 30)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-22629/1037, 2-3=-20396/951, 3-4=-18695/899, 4-5=-19399/963, 5-6=-19480/1063, 6-7=-19480/1063, 7-8=-18788/1113, 8-9=-20341/1217, 9-10=-22284/1396
BOT CHORD 1-20=-883/18579, 19-20=-883/18579, 18-19=-764/16989, 16-18=-716/15912, 15-16=-913/19434, 13-15=-807/15939, 12-13=-913/16897, 11-12=-1105/18208, 10-11=-1105/18208
WEBS 4-18=-150/4971, 7-13=-371/5231, 4-16=-402/5863, 7-15=-259/5856, 5-16=-770/227, 5-15=-195/425, 6-15=-481/92, 3-18=-2185/138, 8-13=-1927/211, 2-20=-100/2785, 2-19=-2211/152, 3-19=-123/3231, 8-12=-222/2943, 9-12=-1729/245, 9-11=-215/2247

NOTES
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 5-16 2x4 - 1 row at 0-5-0 oc, member 3-19 2x4 - 2 rows staggered at 0-9-0 oc, member 9-11 2x4 - 2 rows staggered at 0-4-0 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) exterior 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) Unbalanced snow loads have been considered for this design.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates 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) WARNING: Required bearing size at joint(s) 1, 10 greater than input bearing size.

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11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 684 lb uplift at joint 1 and 884 lb uplift at joint 10.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 79 lb down and 49 lb up at 10-2-8, 98 lb down and 40 lb up at 14-0-12, 48 lb down and 19 lb up at 16-0-12, 35 lb down and 10 lb up at 17-3-4, 29 lb down and 4 lb up at 18-5-12, 29 lb down and 4 lb up at 20-5-12, and 29 lb down and 4 lb up at 22-5-12, and 71 lb down and 42 lb up at 24-4-0 on top chord, and 1601 lb down and 96 lb up at 1-1-4, 1698 lb down and 81 lb up at 3-1-4, 1704 lb down and 77 lb up at 5-1-4, 1436 lb down and 37 lb up at 7-1-4, 1436 lb down and 37 lb up at 9-1-4, 1436 lb down and 37 lb up at 11-1-4, 1436 lb down and 37 lb up at 13-1-4, 1504 lb down and 80 lb up at 15-1-4, 1601 lb down and 57 lb up at 17-1-4, 1631 lb down and 86 lb up at 18-5-12, 1521 lb down and 89 lb up at 20-5-12, 1652 lb down and 121 lb up at 22-5-12, 1689 lb down and 101 lb up at 24-5-12, 1562 lb down and 91 lb up at 26-5-12, 1488 lb down and 106 lb up at 28-5-12, and 1405 lb down and 138 lb up at 30-5-12, and 1370 lb down and 168 lb up at 32-4-15 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: 1-4=-70, 4-7=-70, 1-10=-20, 7-10=-70
   Concentrated Loads (lb)
   Vert: 16=-1439 (B), 19=-1284 (B), 11=-1405 (B), 14=-1569 (B), 32=-1601 (B), 33=-1645 (B), 34=-1704 (B), 35=-1284 (B), 36=-1284 (B), 37=-1284 (B), 38=-1521 (B), 39=-1556 (B), 40=-1435 (B), 41=-1599 (B), 42=-1562 (B), 43=-1488 (B), 44=-1370 (B)

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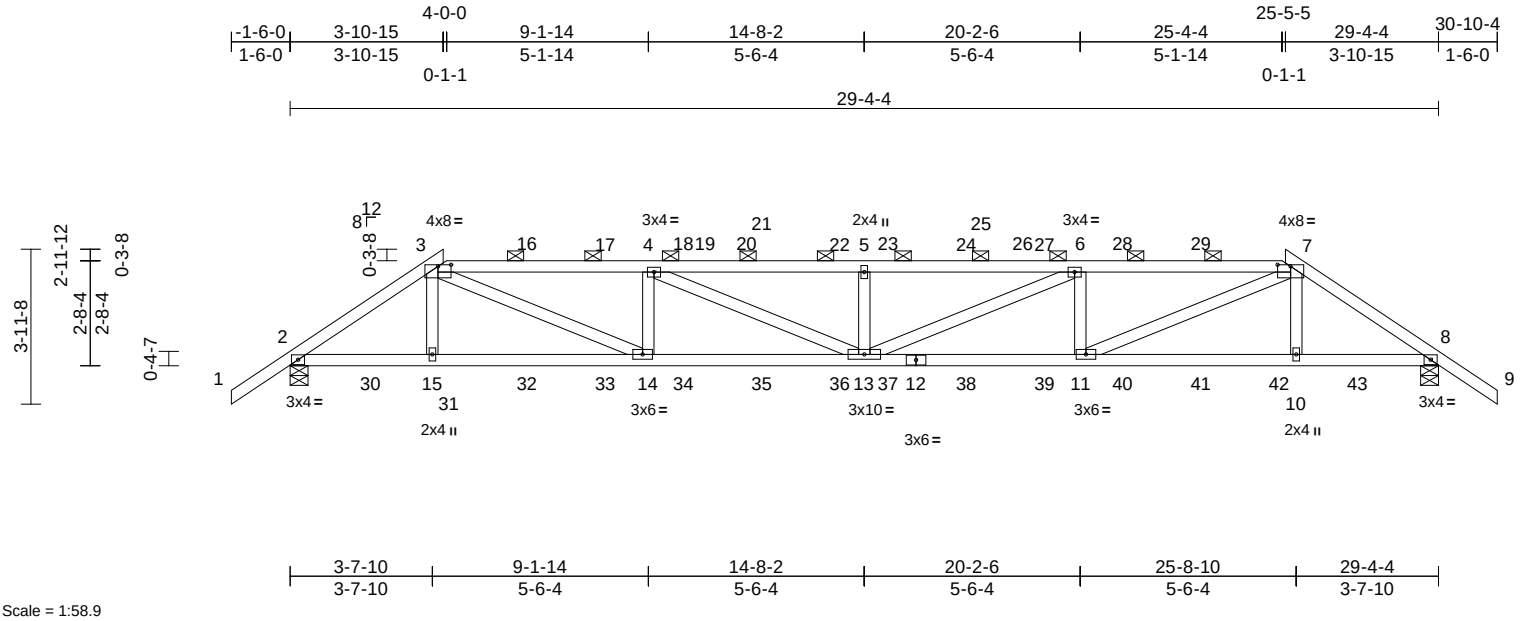
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	G01	California Girder	1	2	R88193550 Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:44 Page: 1
ID:Jb0wrTqYW5mg_H9i0RsYkYzGtqZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:58.9

Plate Offsets (X, Y): [3:0-4-0,0-0-8], [7:0-4-0,0-0-8]

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	0.55	Vert(LL)	-0.25	13	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.44	13-14	>792	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.09	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 228 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 6-0-0 oc purlins, except 2-0-0 oc purlins (4-9-15 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 8=0-5-8
Max Horiz 2=-56 (LC 8)
Max Uplift 2=-365 (LC 10), 8=-365 (LC 11)
Max Grav 2=1968 (LC 33), 8=1968 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2952/590, 3-4=-4926/1037, 4-5=-5684/1226, 5-6=-5684/1226, 6-7=-4926/1037, 7-8=-2952/590, 8-9=0/100
BOT CHORD 2-15=-490/2462, 14-15=-495/2454, 13-14=-1011/4937, 11-13=-1000/4931, 10-11=-469/2446, 8-10=-464/2454
WEBS 3-15=0/275, 7-10=0/275, 3-14=-582/2743, 7-11=-582/2743, 4-14=-958/334, 4-13=-217/895, 5-13=-551/268, 6-13=-217/895, 6-11=-958/334

NOTES
1) 2-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.
Bottom chords connected as follows: 2x4 - 1 row 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) exterior 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) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 365 lb uplift at joint 2 and 365 lb uplift at joint 8.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 181 lb down and 129 lb up at 3-9-6, 140 lb down and 80 lb up at 6-0-12, 146 lb down and 84 lb up at 8-0-12, 147 lb down and 85 lb up at 10-0-12, 147 lb down and 86 lb up at 12-0-12, 148 lb down and 87 lb up at 14-0-12, 148 lb down and 87 lb up at 15-3-8, 147 lb down and 86 lb up at 17-3-8, 147 lb down and 85 lb up at 19-3-8, 146 lb down and 84 lb up at 21-3-8, and 140 lb down and 80 lb up at 23-3-8, and 181 lb down and 129 lb up at 25-6-14 on top chord, and 34 lb down at 2-0-12, 34 lb down at 4-0-12, 34 lb down at 6-0-12, 34 lb down at 8-0-12, 34 lb down at 10-0-12, 34 lb down at 12-0-12, 34 lb down at 14-0-12, 34 lb down at 15-3-8, 34 lb down at 17-3-8, 34 lb down at 19-3-8, 34 lb down at 21-3-8, 34 lb down at 23-3-8, and 34 lb down at 25-3-8, and 34 lb down at 27-3-8 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

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Uniform Loads (lb/ft)
Vert: 1-3=-70, 3-7=-70, 7-9=-70, 2-8=-20
Concentrated Loads (lb)
Vert: 3=-62, 7=-62, 16=-40, 17=-40, 18=-40, 21=-40, 22=-40, 23=-40, 24=-40, 27=-40, 28=-40, 29=-40, 30=-17 (F), 31=-17 (F), 32=-17 (F), 33=-17 (F), 34=-17 (F), 35=-17 (F), 36=-17 (F), 37=-17 (F), 38=-17 (F), 39=-17 (F), 40=-17 (F), 41=-17 (F), 42=-17 (F), 43=-17 (F)

May 13,2025

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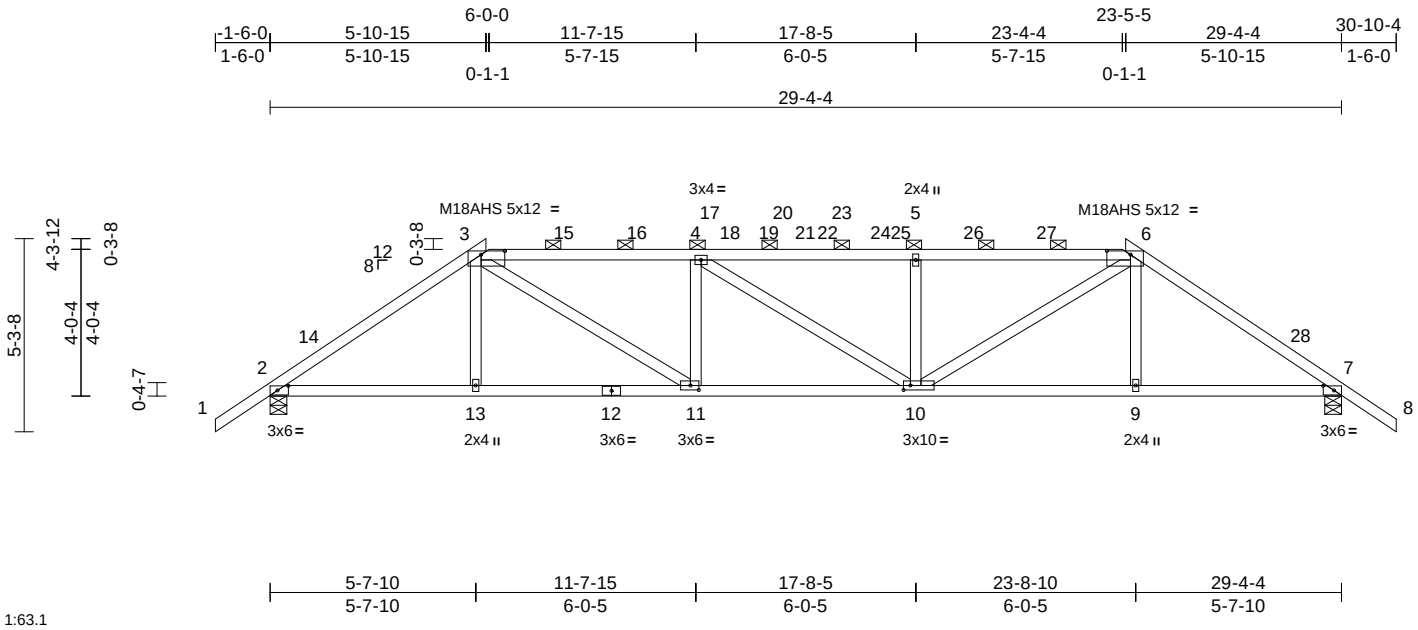
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193551
4623837	G02	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:45 Page: 1
ID:vYOeL4C_DdgGC11gLRvqU4zGtq4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:63.1

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

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	0.78	Vert(LL)	-0.20	10-11	>999	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.34	10-11	>999	180	MT20	185/148
TCDL	10.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.11	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 119 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 3-6:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (3-3-12 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 7=0-5-8
Max Horiz 2=-79 (LC 12)
Max Uplift 2=-166 (LC 14), 7=-166 (LC 15)
Max Grav 2=1652 (LC 35), 7=1652 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2305/237, 3-4=-3048/343, 4-5=-3048/343, 5-6=-3048/343, 6-7=-2305/237, 7-8=0/100
BOT CHORD 2-13=-175/1873, 11-13=-178/1868, 10-11=-287/3048, 9-10=-139/1868, 7-9=-136/1873
WEBS 3-13=0/248, 3-11=-175/1396, 6-10=-175/1397, 6-9=0/248, 4-11=-629/164, 4-10=-131/132, 5-10=-629/157

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 5-9-6, Exterior(2R) 5-9-6 to 10-0-5, Interior (1) 10-0-5 to 23-6-14, Exterior(2R) 23-6-14 to 27-9-13, Interior (1) 27-9-13 to 30-10-4 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
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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 166 lb uplift at joint 2 and 166 lb uplift at joint 7.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 133 lb down and 123 lb up at 5-9-6, 96 lb down and 80 lb up at 8-0-12, 101 lb down and 84 lb up at 10-0-12, 101 lb down and 84 lb up at 12-0-12, 101 lb down and 84 lb up at 14-0-12, 101 lb down and 84 lb up at 15-3-8, 101 lb down and 84 lb up at 17-3-8, 101 lb down and 84 lb up at 19-3-8, and 96 lb down and 80 lb up at 21-3-8, and 133 lb down and 123 lb up at 23-6-14 on top 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, 3-6=-70, 6-8=-70, 2-7=-20

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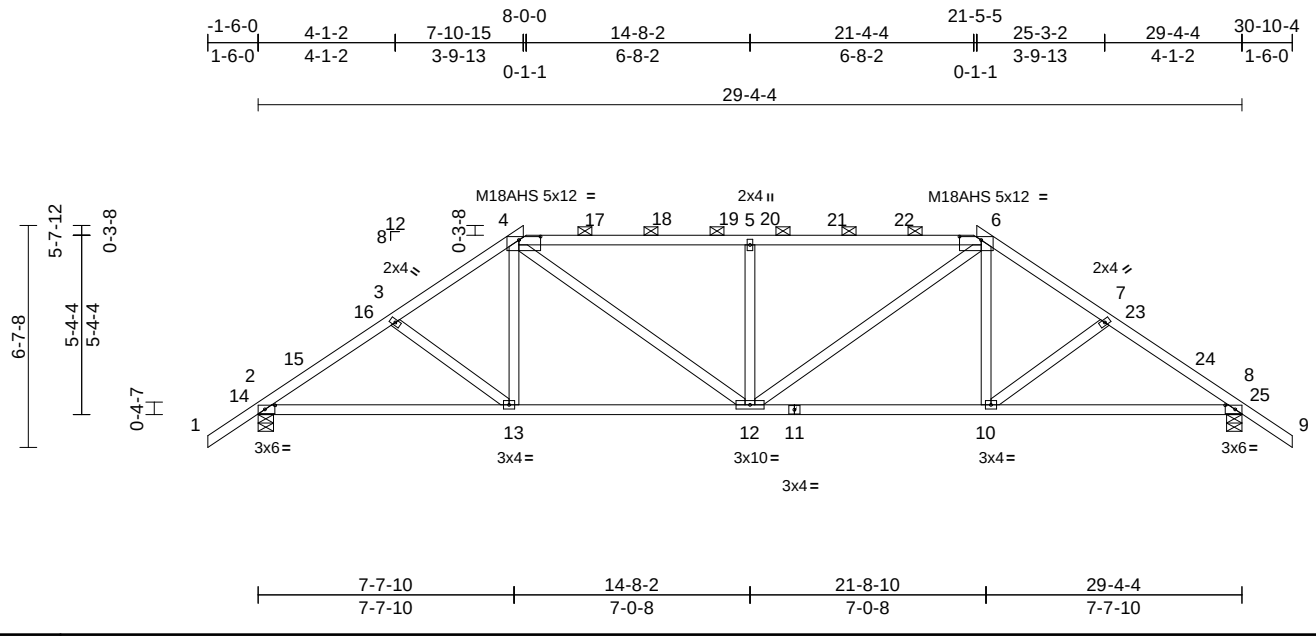
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193552
4623837	G03	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:45 Page: 1
ID:Kg7d6jeCV?K08jMn?j4VUuzGtpV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:68.7

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

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	0.77	Vert(LL)	-0.12	12	>999	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.21	10-12	>999	180	MT20	185/148
TCDL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.09	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 126 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 4-6:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins, except 2-0-0 oc purlins (3-9-1 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 8=0-5-8
Max Horiz 2=101 (LC 13)
Max Uplift 2=-121 (LC 14), 8=-121 (LC 15)
Max Grav 2=1681 (LC 35), 8=1681 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2326/175, 3-4=-2019/166, 4-5=-2308/196, 5-6=-2308/196, 6-7=-2019/166, 7-8=-2326/175, 8-9=0/100
BOT CHORD 2-13=-141/1801, 12-13=-96/1636, 10-12=-47/1636, 8-10=-78/1801
WEBS 4-13=-1/311, 4-12=-98/833, 5-12=-853/159, 6-12=-98/833, 6-10=-1/311, 3-13=-222/157, 7-10=-222/157

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 7-9-6, Exterior(2R) 7-9-6 to 12-0-5, Interior (1) 12-0-5 to 21-6-14, Exterior(2R) 21-6-14 to 25-9-13, Interior (1) 25-9-13 to 30-10-4 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
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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 121 lb uplift at joint 2 and 121 lb uplift at joint 8.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 134 lb down and 124 lb up at 7-9-6, 98 lb down and 71 lb up at 10-0-12, 103 lb down and 75 lb up at 12-0-12, 103 lb down and 75 lb up at 14-0-12, 103 lb down and 75 lb up at 15-3-8, 103 lb down and 75 lb up at 17-3-8, and 98 lb down and 71 lb up at 19-3-8, and 134 lb down and 124 lb up at 21-6-14 on top 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: 1-4=-70, 4-6=-70, 6-9=-70, 2-8=-20

May 13,2025

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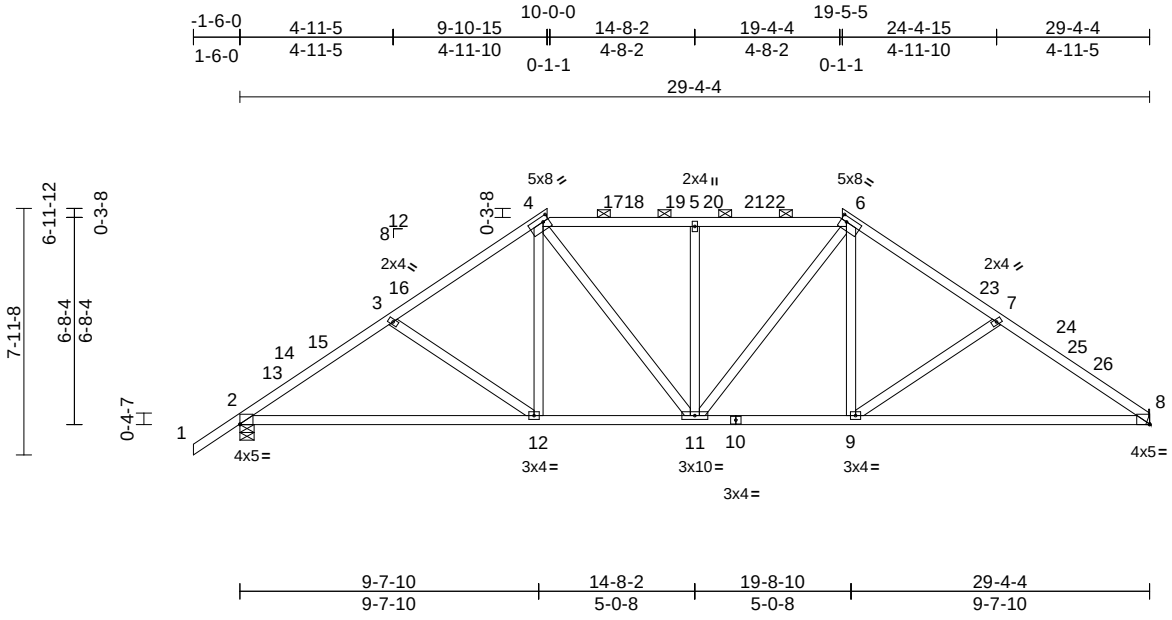
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193553
4623837	G04	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:46 Page: 1
ID:Oee?X6fGyVnFcUCkMe3zLOzGtoC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:74.4

Plate Offsets (X, Y): [2:Edge,0-0-4], [4:0-2-4,0-2-0], [6:0-2-4,0-2-0], [8:Edge,0-0-4]

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	0.54	Vert(LL)	-0.22	8-9	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.47	8-9	>746	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.10	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 129 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 3-0-6 oc purlins, except 2-0-0 oc purlins (3-10-7 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 8= Mechanical
Max Horiz 2=118 (LC 11)
Max Uplift 2=-111 (LC 14), 8=-85 (LC 15)
Max Grav 2=1751 (LC 35), 8=1620 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2474/173, 3-4=-2100/152, 4-5=-1805/172, 5-6=-1805/172, 6-7=-2130/158, 7-8=-2533/183
BOT CHORD 2-12=-157/1963, 11-12=-64/1634, 9-11=-32/1656, 8-9=-96/2042
WEBS 3-12=-385/157, 4-12=0/394, 4-11=-94/421, 5-11=-602/112, 6-11=-96/394, 6-9=0/442, 7-9=-453/156

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 9-9-6, Exterior(2R) 9-9-6 to 14-0-5, Interior (1) 14-0-5 to 19-6-14, Exterior(2R) 19-6-14 to 23-9-13, Interior (1) 23-9-13 to 29-3-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 8 and 111 lb uplift at joint 2.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 156 lb down and 124 lb up at 9-9-6, 98 lb down and 71 lb up at 12-0-12, 103 lb down and 75 lb up at 14-0-12, 103 lb down and 75 lb up at 15-3-8, and 98 lb down and 71 lb up at 17-3-8, and 156 lb down and 124 lb up at 19-6-14 on top 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: 1-4=-70, 4-6=-70, 6-8=-70, 2-8=-20
Concentrated Loads (lb)
Vert: 4=-57, 6=-57, 17=0, 22=0

May 13,2025

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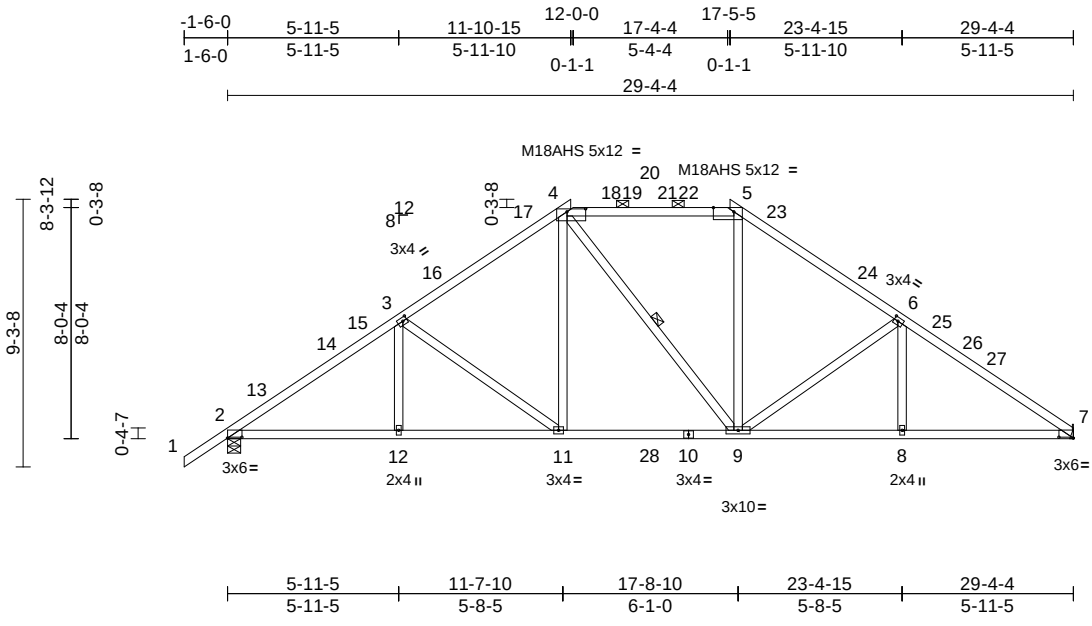
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193554
4623837	G05	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:46 Page: 1
ID:s5jpJGtYj13hmFaBQQOB4BzGtnw-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:80

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

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	0.96	Vert(LL)	-0.16	9-11	>999	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.24	9-11	>999	180	MT20	185/148
TCDL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.10	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 130 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 2-2-0 oc purlins, except 2-0-0 oc purlins (2-2-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-9

REACTIONS (size) 2=0-5-8, 7= Mechanical
Max Horiz 2=141 (LC 13)
Max Uplift 2=-94 (LC 14), 7=-69 (LC 15)
Max Grav 2=1838 (LC 43), 7=1718 (LC 45)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2665/114, 3-4=-2117/141, 4-5=-1669/155, 5-6=-2123/144, 6-7=-2712/124
BOT CHORD 2-12=-119/2199, 11-12=-119/2199, 9-11=-37/1707, 8-9=-41/2163, 7-8=-41/2163
WEBS 3-12=0/240, 3-11=-588/134, 4-11=-5/585, 4-9=-138/163, 5-9=0/568, 6-9=-659/137, 6-8=0/249

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 11-9-6, Exterior(2R) 11-9-6 to 16-0-5, Interior (1) 16-0-5 to 17-6-14, Exterior(2R) 17-6-14 to 21-9-13, Interior (1) 21-9-13 to 29-3-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 7 and 94 lb uplift at joint 2.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 202 lb down and 120 lb up at 11-9-6, 98 lb down and 71 lb up at 14-0-12, and 98 lb down and 71 lb up at 15-3-8, and 202 lb down and 120 lb up at 17-6-14 on top 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: 1-4=-70, 4-5=-70, 5-7=-70, 2-7=-20
Concentrated Loads (lb)
Vert: 4=-103, 5=-103

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193555
4623837	G06	California	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. Tue May 13 15:18:47 Page: 1
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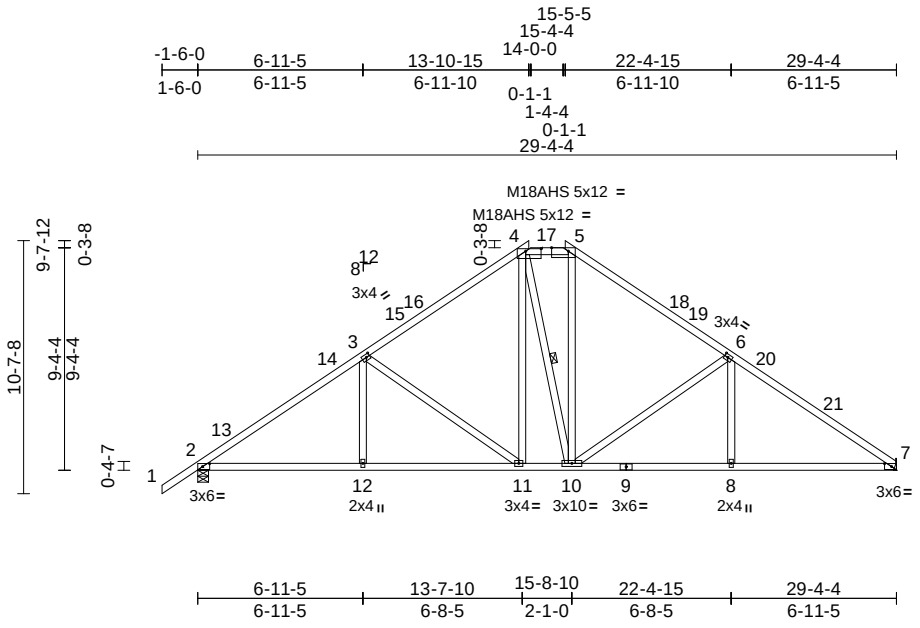

Scale = 1:96.8

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

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	0.68	Vert(LL)	-0.12	11-12	>999	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.22	11-12	>999	180	MT20	185/148
TCDL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.11	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 144 lb	FT = 10%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except* 4-5:2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except 2-0-0 oc purlins (3-11-8 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS (size) 2=0-5-8, 7= Mechanical
Max Horiz 2=163 (LC 11)
Max Uplift 2=-90 (LC 14), 7=-65 (LC 15)
Max Grav 2=1857 (LC 35), 7=1724 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2718/108, 3-4=-2092/151, 4-5=-1576/158, 5-6=-2098/149, 6-7=-2757/116
BOT CHORD 2-12=-120/2140, 11-12=-120/2140, 10-11=-20/1572, 8-10=-25/2193, 7-8=-25/2193
WEBS 3-12=0/299, 3-11=-683/131, 4-11=-22/471, 4-10=-222/248, 5-10=-24/503, 6-10=-743/137, 6-8=0/305

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 13-9-6, Exterior(2E) 13-9-6 to 15-6-14, Exterior(2R) 15-6-14 to 19-9-13, Interior (1) 19-9-13 to 29-3-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 7 and 90 lb uplift at joint 2.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 214 lb down and 80 lb up at 13-9-6, and 214 lb down and 80 lb up at 15-6-14 on top 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: 1-4=-70, 4-5=-70, 2-7=-20, 5-7=-70
Concentrated Loads (lb)
Vert: 4=-164, 5=-164

May 13,2025

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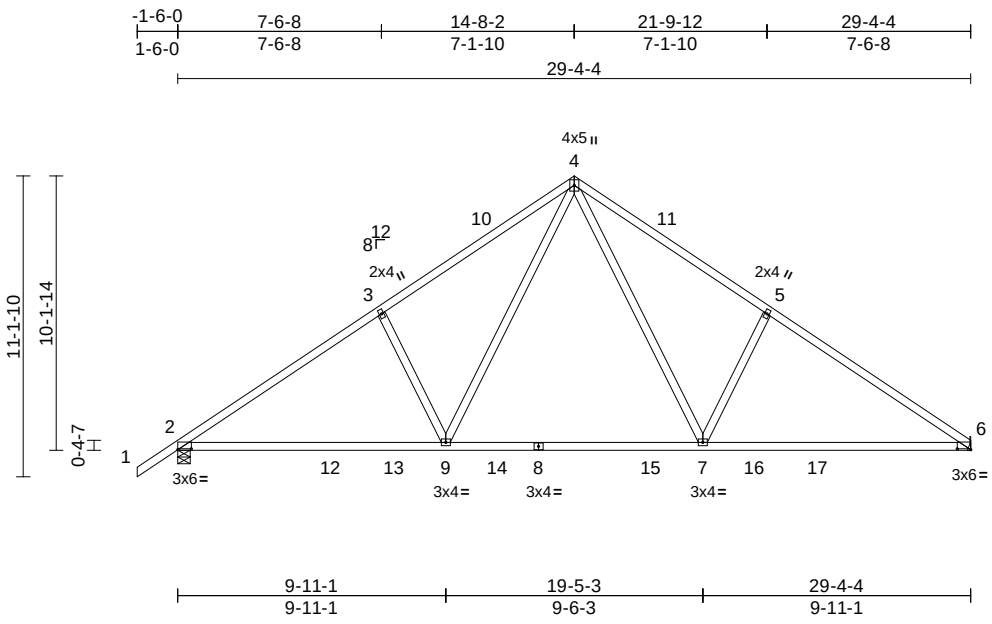
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193556
4623837	G07	Common	4	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:47 Page: 1
ID:pZyG?CjSEXtm9?xeW7ebwyzGtmq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:85.3

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

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	0.83	Vert(LL)	-0.29	6-7	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.56	6-7	>624	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.06	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 121 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 6= Mechanical
Max Horiz 2=176 (LC 9)
Max Uplift 2=-50 (LC 12), 6=-25 (LC 13)
Max Grav 2=1568 (LC 20), 6=1456 (LC 21)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2045/56, 3-4=-1895/117, 4-5=-1926/123, 5-6=-2075/63
BOT CHORD 2-9=-79/1729, 7-9=0/1132, 6-7=0/1647
WEBS 4-7=-74/978, 5-7=-478/199, 4-9=-68/926, 3-9=-446/195

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 14-8-2, Exterior(2R) 14-8-2 to 17-8-2, Interior (1) 17-8-2 to 29-3-8 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 50 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193557
4623837	H01	Common 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. Tue May 13 15:18:47 Page: 1
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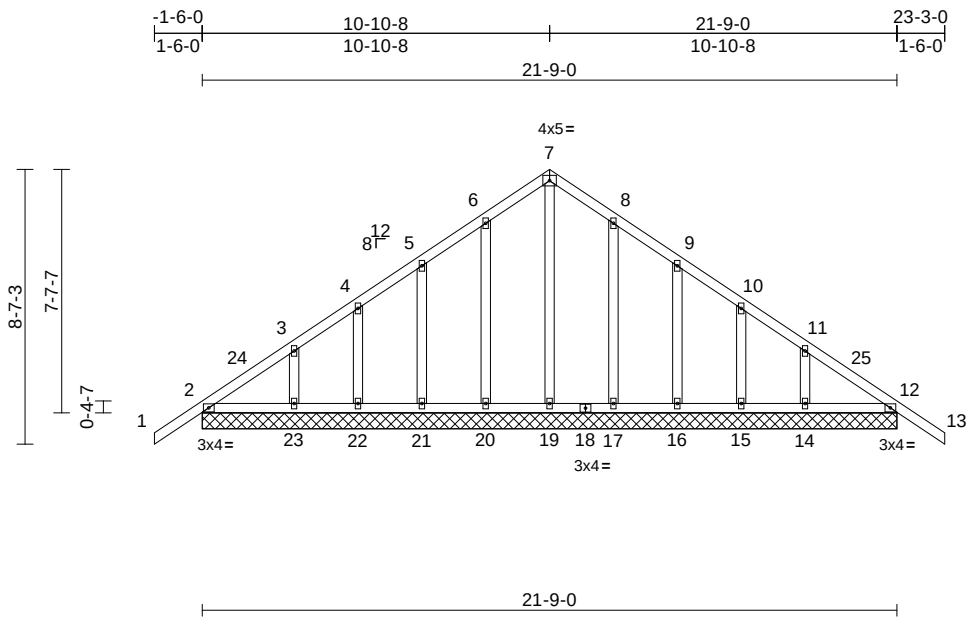

Scale = 1:72.2

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)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 104 lb	FT = 10%

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

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

REACTIONS (size) 2=21-9-0, 12=21-9-0, 14=21-9-0, 15=21-9-0, 16=21-9-0, 17=21-9-0, 19=21-9-0, 20=21-9-0, 21=21-9-0, 22=21-9-0, 23=21-9-0
Max Horiz 2=139 (LC 11)
Max Uplift 2=-14 (LC 8), 14=-37 (LC 13), 15=-35 (LC 13), 16=-36 (LC 13), 17=-34 (LC 13), 20=-35 (LC 12), 21=-36 (LC 12), 22=-35 (LC 12), 23=-37 (LC 12)
Max Grav 2=291 (LC 18), 12=291 (LC 18), 14=216 (LC 1), 15=169 (LC 1), 16=181 (LC 1), 17=187 (LC 1), 19=175 (LC 23), 20=187 (LC 1), 21=181 (LC 1), 22=169 (LC 1), 23=216 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/96, 2-3=-130/103, 3-4=-105/76, 4-5=-92/75, 5-6=-84/101, 6-7=-88/139, 7-8=-88/139, 8-9=-63/98, 9-10=-58/54, 10-11=-67/29, 11-12=-101/58, 12-13=0/96
BOT CHORD 2-23=-55/109, 22-23=-55/109, 21-22=-55/109, 20-21=-55/109, 19-20=-55/109, 17-19=-55/109, 16-17=-55/109, 15-16=-55/109, 14-15=-55/109, 12-14=-55/109
WEBS 7-19=-135/43, 6-20=-147/59, 5-21=-141/62, 4-22=-131/59, 3-23=-170/71, 8-17=-147/58, 9-16=-141/62, 10-15=-131/59, 11-14=-170/71

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(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 10-10-8, Corner(3R) 10-10-8 to 13-10-8, Exterior(2N) 13-10-8 to 23-3-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) All plates are 2x4 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 2, 35 lb uplift at joint 20, 36 lb uplift at joint 21, 35 lb uplift at joint 22, 37 lb uplift at joint 23, 34 lb uplift at joint 17, 36 lb uplift at joint 16, 35 lb uplift at joint 15 and 37 lb uplift at joint 14.

LOAD CASE(S) Standard

May 13,2025

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Roseville, CA 95661
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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193558
4623837	H02	Common	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. Tue May 13 15:18:47 Page: 1
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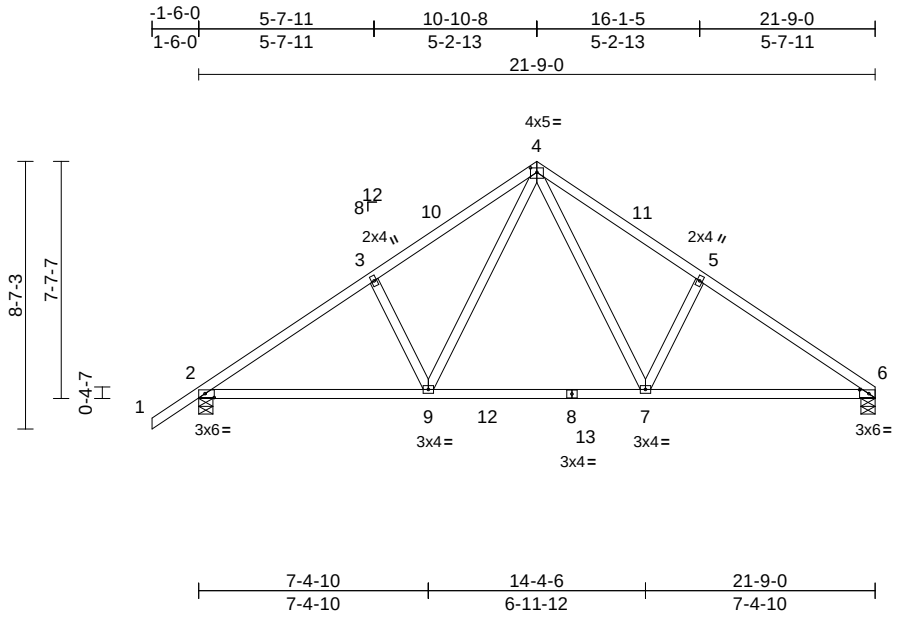

Scale = 1:74.1

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

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	0.39	Vert(LL)	-0.10	7-9	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.18	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.04	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 86 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 4-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 6=0-5-8
Max Horiz 2=133 (LC 11)
Max Uplift 2=-44 (LC 12), 6=-18 (LC 13)
Max Grav 2=1146 (LC 20), 6=1031 (LC 21)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-1440/41, 3-4=-1310/84, 4-5=-1326/90, 5-6=-1437/48
BOT CHORD 2-9=-54/1196, 7-9=0/789, 6-7=0/1125
WEBS 4-7=-55/655, 5-7=-327/146, 4-9=-47/631, 3-9=-315/142

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 10-10-8, Exterior(2R) 10-10-8 to 13-10-8, Interior (1) 13-10-8 to 21-6-4 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
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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 6 and 44 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193559
4623837	J01	Jack-Closed 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. Tue May 13 15:18:48 Page: 1
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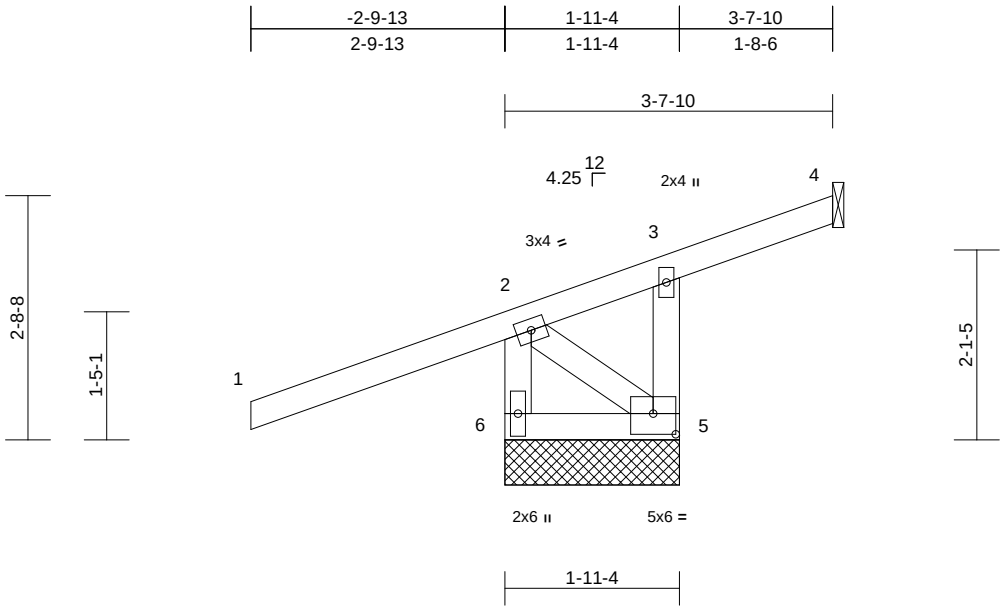

Scale = 1:25.6

Plate Offsets (X, Y): [5:0-3-0,0-2-12]

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	0.90	Vert(LL)	0.00	5-6	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 16 lb	FT = 10%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, 5=1-11-4, 6=1-11-4
Max Horiz 6=72 (LC 11)
Max Uplift 4=-32 (LC 10), 5=-397 (LC 20), 6=-140 (LC 10)
Max Grav 4=127 (LC 21), 5=52 (LC 10), 6=775 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-758/447, 1-2=0/119, 2-3=-134/60, 3-4=-36/36, 3-5=-206/413
BOT CHORD 5-6=-197/67
WEBS 2-5=-54/223

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(3E) -2-9-13 to 0-1-12, Exterior(2N) 0-1-12 to 3-6-14 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) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.7 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
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) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 6, 32 lb uplift at joint 4 and 397 lb uplift at joint 5.

LOAD CASE(S) Standard

May 13,2025

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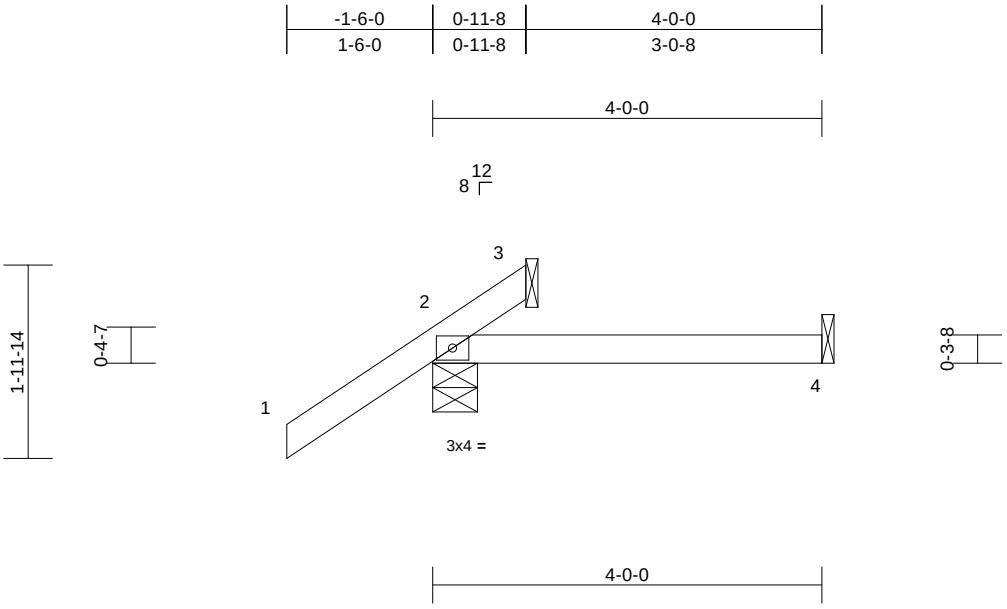
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	J02	Jack-Open	1	1	R88193560 Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:48 Page: 1
ID:mDZvKrvVZA8PmCNi3ftPz8zGuI9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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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	0.36	Vert(LL)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 8 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=38 (LC 12)
Max Uplift 2=-47 (LC 12), 3=-263 (LC 18)
Max Grav 2=521 (LC 18), 3=33 (LC 12), 4=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-193/75
BOT CHORD 2-4=0/0

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 Exterior(2E) 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 263 lb uplift at joint 3 and 47 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193561
4623837	J03	Jack-Open	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. Tue May 13 15:18:48 Page: 1
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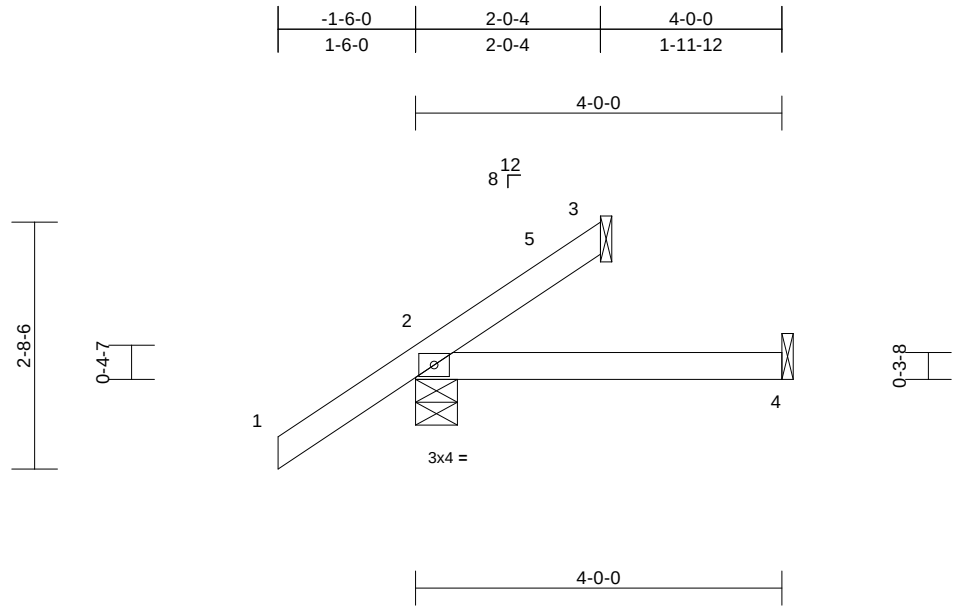

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=57 (LC 12)
Max Uplift 2=-22 (LC 12), 3=-87 (LC 18)
Max Grav 2=366 (LC 18), 3=10 (LC 8), 4=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-75/24
BOT CHORD 2-4=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 1-11-8 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 87 lb uplift at joint 3 and 22 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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400 Sunrise Ave., Suite 270
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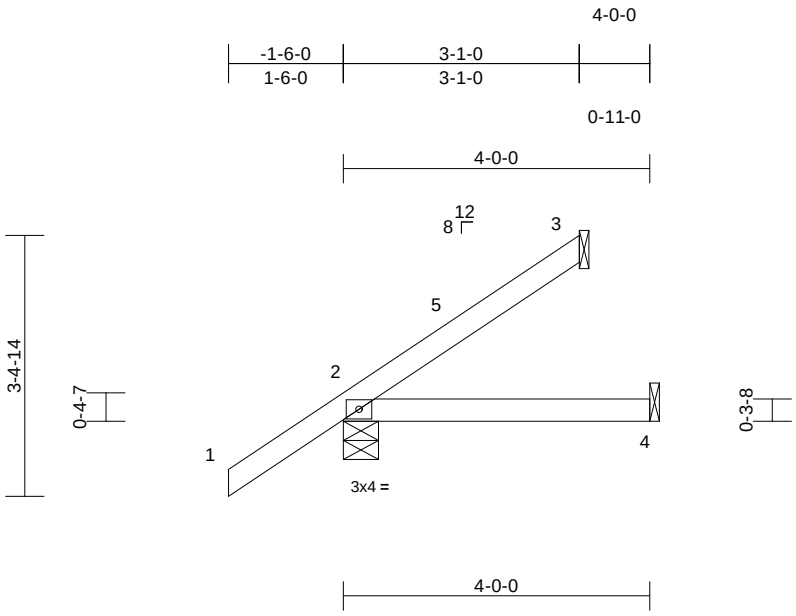
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193562
4623837	J04	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:48 Page: 1
ID:nFZJwYW__wxxG66d2KgR5HzGu9d-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:30.1

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	0.36	Vert(LL)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 11 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=76 (LC 12)
Max Uplift 2=-18 (LC 12), 3=-36 (LC 18)
Max Grav 2=337 (LC 18), 3=62 (LC 20), 4=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-80/36
BOT CHORD 2-4=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 3-0-4 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
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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 36 lb uplift at joint 3 and 18 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193563
4623837	J05	Jack-Open	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. Tue May 13 15:18:48 Page: 1
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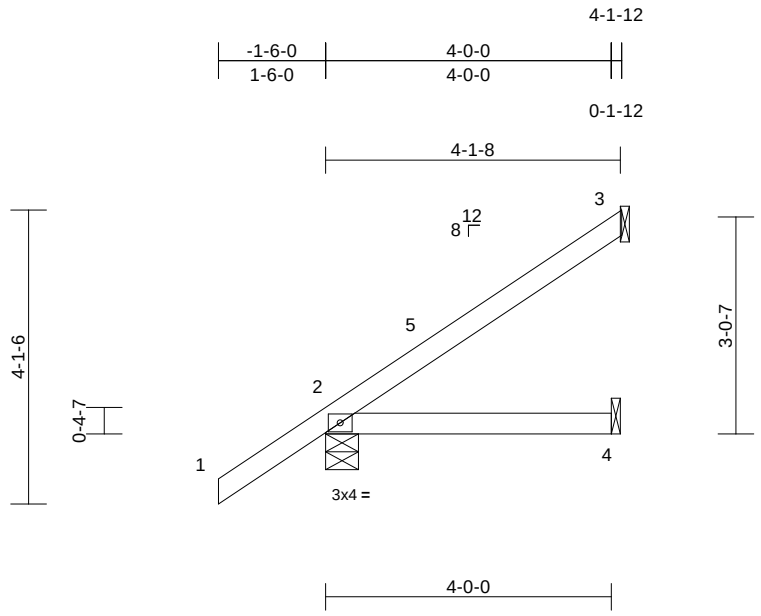

Scale = 1:32.3

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	0.36	Vert(LL)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 13 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=94 (LC 12)
Max Uplift 2=-18 (LC 12), 3=-52 (LC 12)
Max Grav 2=330 (LC 18), 3=108 (LC 1), 4=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-97/50
BOT CHORD 2-4=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 4-1-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 52 lb uplift at joint 3 and 18 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	J06	Jack-Open	4	1	R88193564 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. Tue May 13 15:18:48
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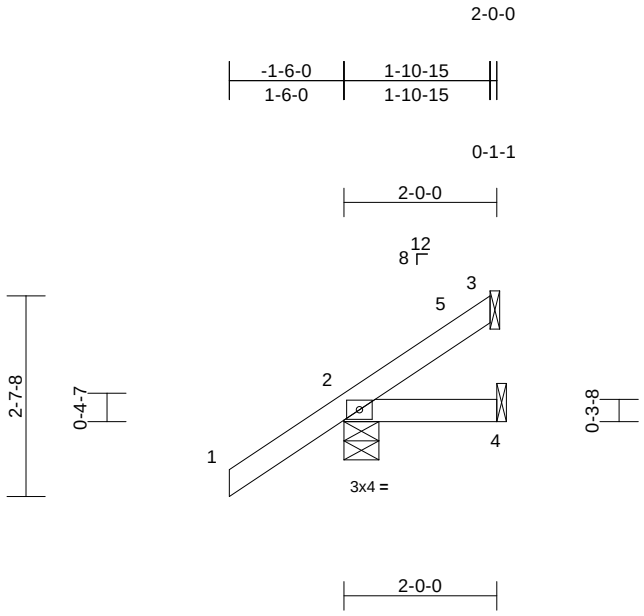

Scale = 1:30.1

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	0.29	Vert(LL)	0.00	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 7 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=56 (LC 12)
Max Uplift 2=-29 (LC 12), 3=-59 (LC 18)
Max Grav 2=301 (LC 18), 3=22 (LC 20), 4=39 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/97, 2-3=-64/26
BOT CHORD 2-4=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 1-10-13 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 29 lb uplift at joint 2 and 59 lb uplift at joint 3.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193565
4623837	J07	Jack-Open	4	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. Tue May 13 15:18:49 Page: 1
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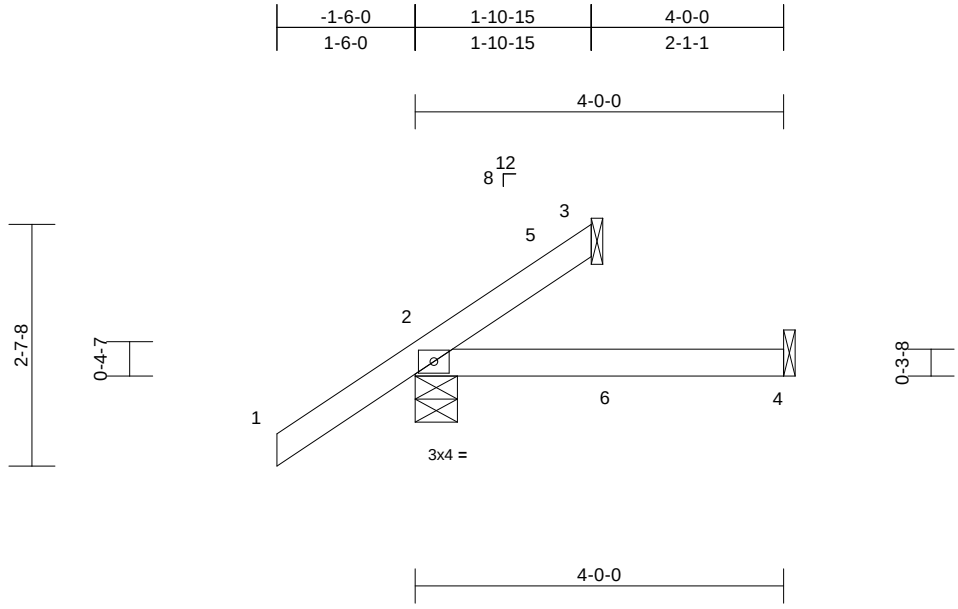

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=55 (LC 12)
Max Uplift 2=-22 (LC 12), 3=-95 (LC 18)
Max Grav 2=372 (LC 18), 3=10 (LC 8), 4=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-79/24
BOT CHORD 2-4=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 1-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 95 lb uplift at joint 3 and 22 lb uplift at joint 2.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7 lb down at 2-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193566
4623837	J08	Jack-Open	4	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. Tue May 13 15:18:49 Page: 1
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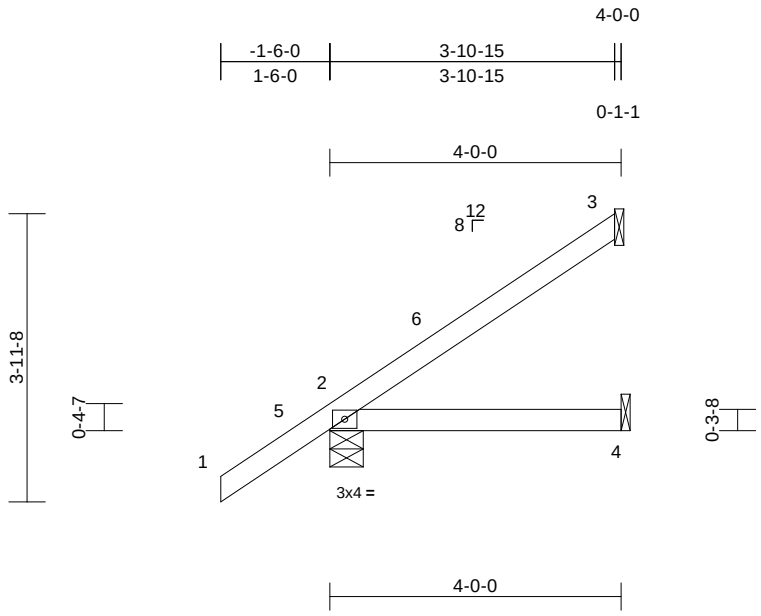

Scale = 1:31.6

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)	-0.01	2-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 12 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3= Mechanical, 4= Mechanical
Max Horiz 2=90 (LC 12)
Max Uplift 2=-18 (LC 12), 3=-49 (LC 12)
Max Grav 2=330 (LC 18), 3=98 (LC 1), 4=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-92/46
BOT CHORD 2-4=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 3-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 49 lb uplift at joint 3 and 18 lb uplift at joint 2.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193567
4623837	J09	Jack-Open	4	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. Tue May 13 15:18:49 Page: 1
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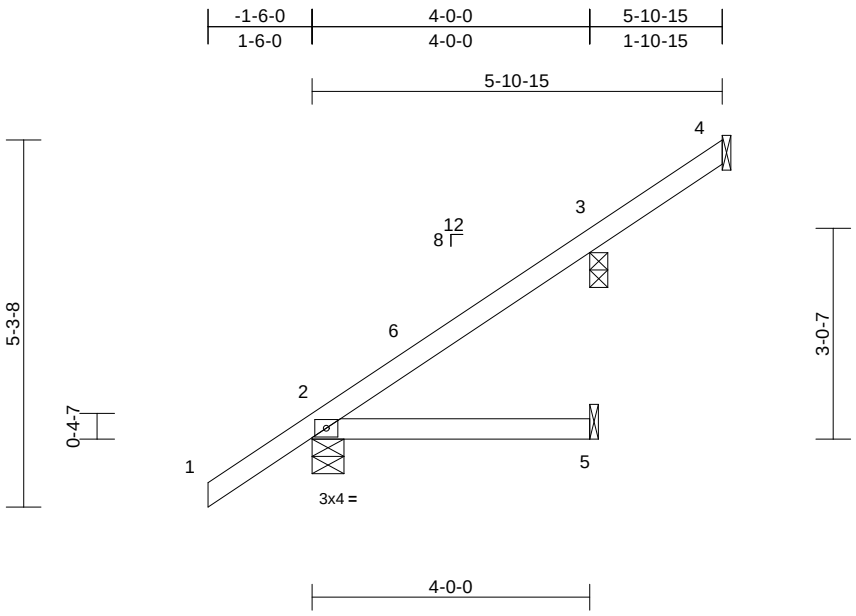

Scale = 1:33.2

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	0.36	Vert(LL)	-0.01	2-5	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 15 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-3-2, 4= Mechanical, 5= Mechanical
Max Horiz 2=125 (LC 12)
Max Uplift 3=-80 (LC 12), 4=-25 (LC 12)
Max Grav 2=330 (LC 18), 3=170 (LC 1), 4=60 (LC 1), 5=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-123/75, 3-4=-32/27
BOT CHORD 2-5=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 5-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 25 lb uplift at joint 4 and 80 lb uplift at joint 3.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193568
4623837	J10	Jack-Open	4	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. Tue May 13 15:18:49 Page: 1
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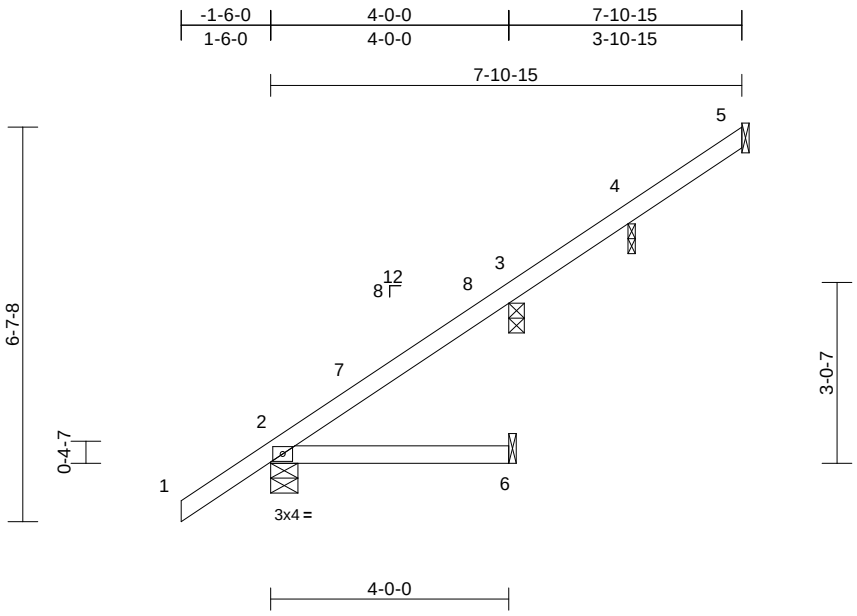

Scale = 1:38.7

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	0.36	Vert(LL)	-0.01	2-6	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-6	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 18 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-3-2, 4=0-1-8, 5= Mechanical, 6= Mechanical
Max Horiz 2=151 (LC 12)
Max Uplift 3=-85 (LC 12), 4=-45 (LC 12), 5=-16 (LC 12)
Max Grav 2=330 (LC 18), 3=177 (LC 1), 4=130 (LC 1), 5=63 (LC 1), 6=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-177/105, 3-4=-88/49, 4-5=-31/28
BOT CHORD 2-6=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 7-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) 4.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 5, 85 lb uplift at joint 3 and 45 lb uplift at joint 4.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.

LOAD CASE(S) Standard

May 13,2025

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Roseville, CA 95661
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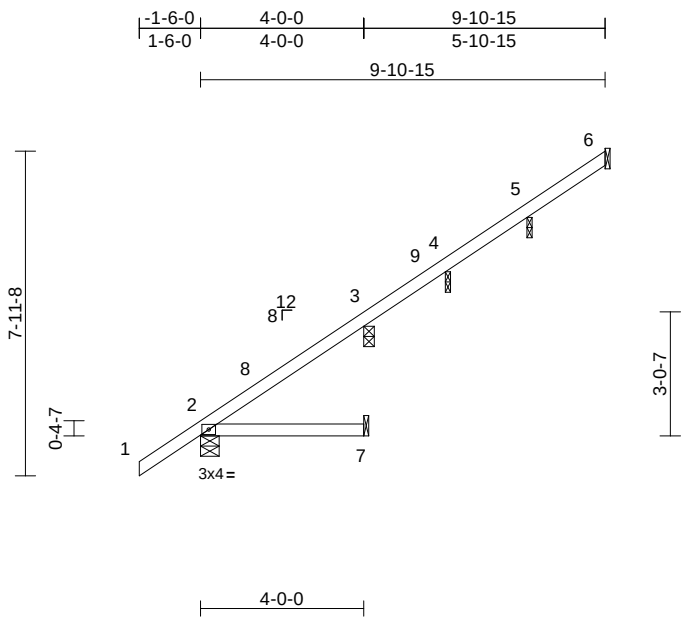
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193569
4623837	J11	Jack-Open	4	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:49 Page: 1
ID:m9PkexcBJ32?NlxIcjYs8FzGts8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:56.5

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	0.36	Vert(LL)	-0.01	2-7	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 21 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-3-2, 4=0-1-8, 5=0-1-8, 6= Mechanical, 7= Mechanical
Max Horiz 2=175 (LC 12)
Max Uplift 3=-86 (LC 12), 4=-47 (LC 12), 5=-34 (LC 12), 6=-16 (LC 12)
Max Grav 2=330 (LC 18), 3=177 (LC 1), 4=138 (LC 1), 5=133 (LC 1), 6=63 (LC 1), 7=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-228/135, 3-4=-146/78, 4-5=-89/50, 5-6=-31/28
BOT CHORD 2-7=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 9-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) 4, 5.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 6, 86 lb uplift at joint 3, 47 lb uplift at joint 4 and 34 lb uplift at joint 5.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5.

LOAD CASE(S) Standard

May 13,2025

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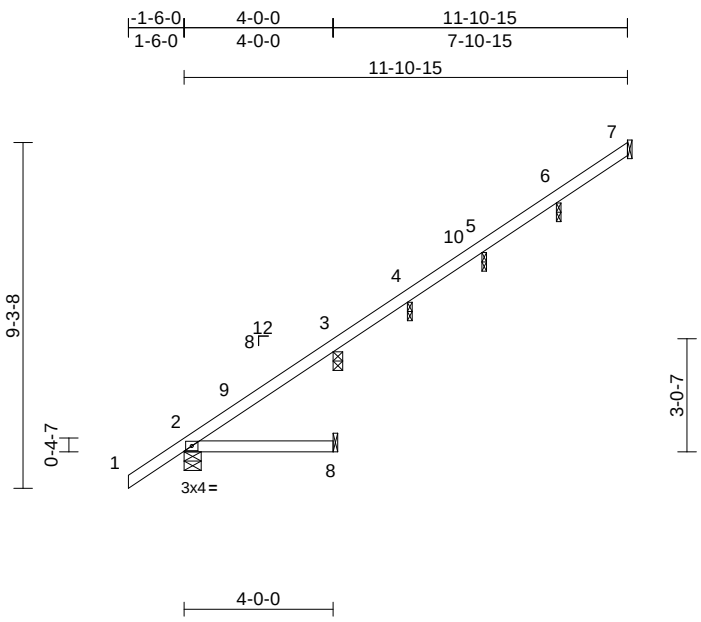
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193570
4623837	J12	Jack-Open	3	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:49 Page: 1
ID:XhumKgiCQX2sK_Yq4PhlSxzGts0-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:61.9

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	0.36	Vert(LL)	-0.01	2-8	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 24 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-3-2, 4=0-1-8, 5=0-1-8, 6=0-1-8, 7= Mechanical, 8= Mechanical
Max Horiz 2=199 (LC 12)
Max Uplift 3=-87 (LC 12), 4=-47 (LC 12), 5=-36 (LC 12), 6=-34 (LC 12), 7=-16 (LC 12)
Max Grav 2=330 (LC 18), 3=177 (LC 1), 4=138 (LC 1), 5=140 (LC 1), 6=133 (LC 1), 7=63 (LC 1), 8=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-279/165, 3-4=-196/107, 4-5=-147/79, 5-6=-89/50, 6-7=-31/28
BOT CHORD 2-8=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 11-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) 4, 5, 6.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 7, 87 lb uplift at joint 3, 47 lb uplift at joint 4, 36 lb uplift at joint 5 and 34 lb uplift at joint 6.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6.

LOAD CASE(S) Standard

May 13,2025

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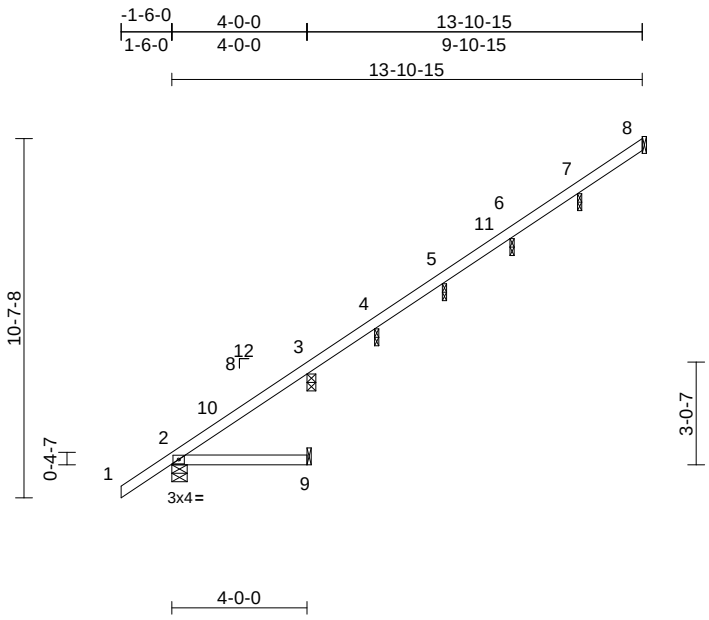
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193571
4623837	J13	Jack-Open	3	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:50 Page: 1
ID:mQx9ClpsIIBbvMkZ5oLsKqzGtrt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:68.1

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	0.36	Vert(LL)	-0.01	2-9	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 26 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-3-2, 4=0-1-8, 5=0-1-8, 6=0-1-8, 7=0-1-8, 8= Mechanical, 9= Mechanical
Max Horiz 2=224 (LC 12)
Max Uplift 3=-89 (LC 12), 4=-47 (LC 12), 5=-36 (LC 12), 6=-36 (LC 12), 7=-34 (LC 12), 8=-16 (LC 12)
Max Grav 2=330 (LC 18), 3=177 (LC 1), 4=138 (LC 1), 5=140 (LC 1), 6=140 (LC 1), 7=133 (LC 1), 8=63 (LC 1), 9=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-329/195, 3-4=-246/136, 4-5=-197/108, 5-6=-147/79, 6-7=-89/50, 7-8=-31/28
BOT CHORD 2-9=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 13-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) 4, 5, 6, 7.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 8, 89 lb uplift at joint 3, 47 lb uplift at joint 4, 36 lb uplift at joint 5, 36 lb uplift at joint 6 and 34 lb uplift at joint 7.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6, 7.

LOAD CASE(S) Standard

May 13,2025

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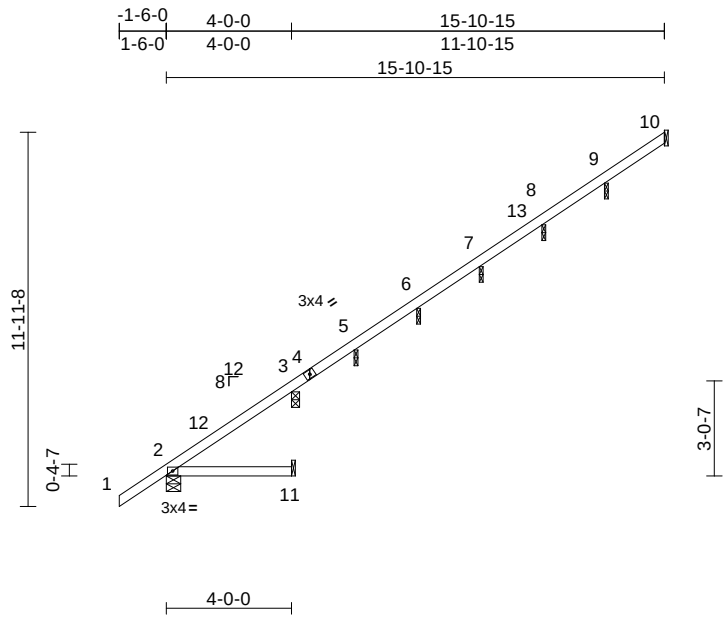
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193572
4623837	J14	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:50 Page: 1
ID:TtgpWIs_PDO3crryDesPPUzGtme-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:73.6

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	0.36	Vert(LL)	-0.01	2-11	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	10	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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-3-2, 5=0-1-8, 6=0-1-8, 7=0-1-8, 8=0-1-8, 9=0-1-8, 10= Mechanical, 11= Mechanical
Max Horiz 2=248 (LC 12)
Max Uplift 3=-90 (LC 12), 5=-47 (LC 12), 6=-36 (LC 12), 7=-36 (LC 12), 8=-36 (LC 12), 9=-34 (LC 12), 10=-16 (LC 12)
Max Grav 2=330 (LC 18), 3=177 (LC 1), 5=138 (LC 1), 6=140 (LC 1), 7=140 (LC 1), 8=140 (LC 1), 9=133 (LC 1), 10=63 (LC 1), 11=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-380/225, 3-5=-295/166, 5-6=-247/137, 6-7=-197/108, 7-8=-147/79, 8-9=-89/50, 9-10=-31/28
BOT CHORD 2-11=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 15-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) 5, 6, 7, 8, 9.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 10, 90 lb uplift at joint 3, 47 lb uplift at joint 5, 36 lb uplift at joint 6, 36 lb uplift at joint 7, 36 lb uplift at joint 8 and 34 lb uplift at joint 9.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 5, 6, 7, 8, 9.

LOAD CASE(S) Standard

May 13,2025

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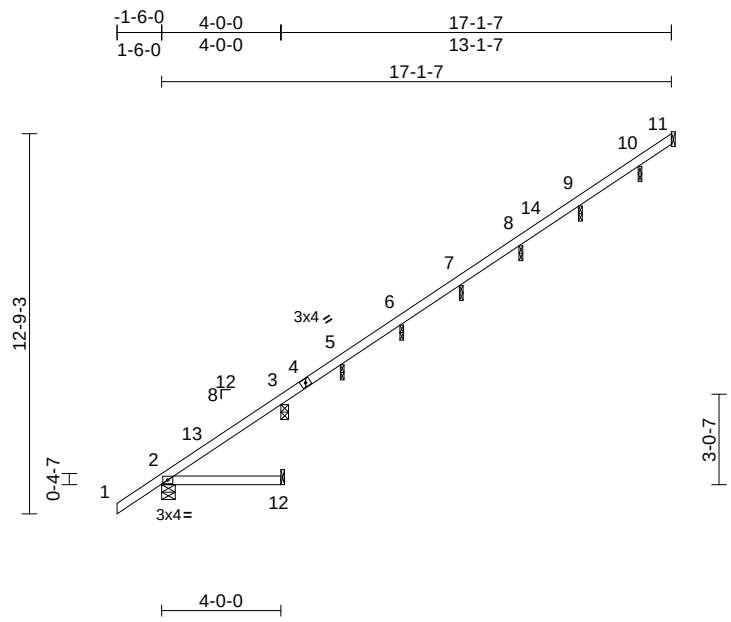
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193573
4623837	J15	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:50 Page: 1
ID:PXK_Vo5vx3nMNmobr8itgUzGtmL-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:77.4

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	0.36	Vert(LL)	-0.01	2-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	11	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 31 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-3-2, 5=0-1-8, 6=0-1-8, 7=0-1-8, 8=0-1-8, 9=0-1-8, 10=0-1-8, 11= Mechanical, 12= Mechanical
Max Horiz 2=263 (LC 12)
Max Uplift 3=-91 (LC 12), 5=-47 (LC 12), 6=-36 (LC 12), 7=-36 (LC 12), 8=-36 (LC 12), 9=-36 (LC 12), 10=-27 (LC 12), 11=-9 (LC 12)
Max Grav 2=330 (LC 18), 3=178 (LC 20), 5=138 (LC 1), 6=140 (LC 1), 7=140 (LC 1), 8=140 (LC 1), 9=140 (LC 1), 10=105 (LC 1), 11=35 (LC 1), 12=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-411/243, 3-5=-325/183, 5-6=-277/155, 6-7=-227/126, 7-8=-178/96, 8-9=-126/67, 9-10=-65/38, 10-11=-17/16
BOT CHORD 2-12=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 17-0-11 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) 5, 6, 7, 8, 9, 10.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 11, 91 lb uplift at joint 3, 47 lb uplift at joint 5, 36 lb uplift at joint 6, 36 lb uplift at joint 7, 36 lb uplift at joint 8, 36 lb uplift at joint 9 and 27 lb uplift at joint 10.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 5, 6, 7, 8, 9, 10.

LOAD CASE(S) Standard

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193574
4623837	J16	Jack-Open	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. Tue May 13 15:18:50 Page: 1
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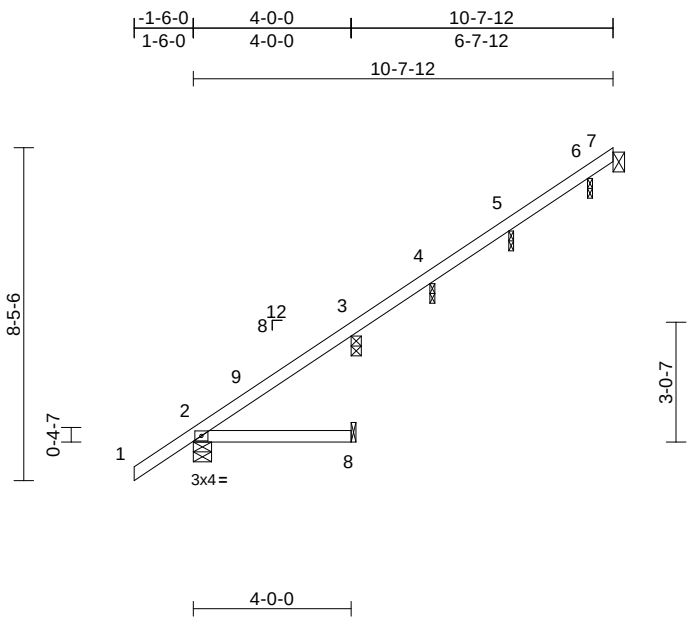

Scale = 1:58.5

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	0.36	Vert(LL)	-0.01	2-8	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 22 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-3-2, 4=0-1-8, 5=0-1-8, 6=0-1-8, 7= Mechanical, 8= Mechanical
Max Horiz 2=182 (LC 12)
Max Uplift 3=-86 (LC 12), 4=-47 (LC 12), 5=-36 (LC 12), 6=-21 (LC 12), 7=-3 (LC 12)
Max Grav 2=330 (LC 18), 3=177 (LC 1), 4=138 (LC 1), 5=140 (LC 1), 6=83 (LC 1), 7=13 (LC 1), 8=74 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-244/144, 3-4=-162/87, 4-5=-108/58, 5-6=-46/33, 6-7=-7/6
BOT CHORD 2-8=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 10-5-6 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) 4, 5, 6.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 7, 86 lb uplift at joint 3, 47 lb uplift at joint 4, 36 lb uplift at joint 5 and 21 lb uplift at joint 6.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6.

LOAD CASE(S) Standard

May 13,2025

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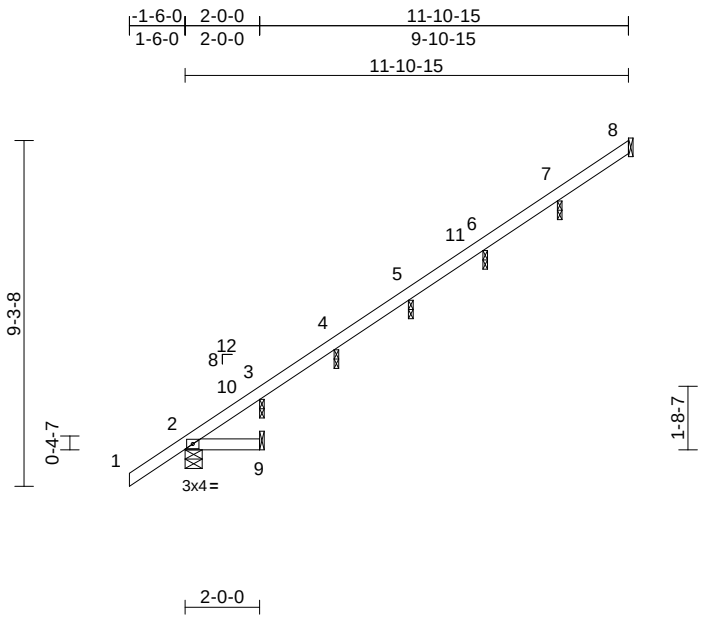
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193575
4623837	J17	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:50 Page: 1
ID:3BhfszGl5s?bWgjE00xc6xzGtkq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:61.9

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	0.29	Vert(LL)	0.00	2-9	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	2-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 21 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-1-8, 4=0-1-8, 5=0-1-8, 6=0-1-8, 7=0-1-8, 8= Mechanical, 9= Mechanical
Max Horiz 2=199 (LC 12)
Max Uplift 3=-53 (LC 12), 4=-59 (LC 12), 5=-48 (LC 12), 6=-36 (LC 12), 7=-34 (LC 12), 8=-16 (LC 12)
Max Grav 2=296 (LC 18), 3=101 (LC 20), 4=140 (LC 1), 5=140 (LC 1), 6=140 (LC 1), 7=133 (LC 1), 8=63 (LC 1), 9=39 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/97, 2-3=-303/192, 3-4=-255/153, 4-5=-205/120, 5-6=-156/87, 6-7=-95/55, 7-8=-33/28
BOT CHORD 2-9=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 11-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, 4, 5, 6, 7.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 8, 53 lb uplift at joint 3, 59 lb uplift at joint 4, 48 lb uplift at joint 5, 36 lb uplift at joint 6 and 34 lb uplift at joint 7.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6, 7.

LOAD CASE(S) Standard

May 13,2025

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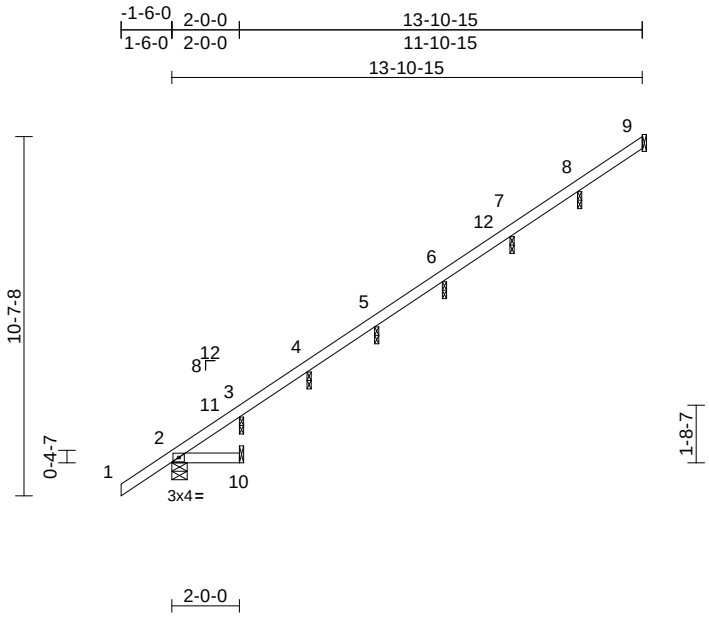
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193576
4623837	J18	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:50 Page: 1
ID:uL2w70LWgimlEbAONG20LCzGtkk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:68.1

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	0.29	Vert(LL)	0.00	2-10	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	2-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 24 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-1-8, 4=0-1-8, 5=0-1-8, 6=0-1-8, 7=0-1-8, 8=0-1-8, 9= Mechanical, 10= Mechanical
Max Horiz 2=224 (LC 12)
Max Uplift 3=-54 (LC 12), 4=-59 (LC 12), 5=-48 (LC 12), 6=-36 (LC 12), 7=-36 (LC 12), 8=-34 (LC 12), 9=-16 (LC 12)
Max Grav 2=296 (LC 18), 3=101 (LC 20), 4=140 (LC 1), 5=140 (LC 1), 6=140 (LC 1), 7=140 (LC 1), 8=133 (LC 1), 9=63 (LC 1), 10=39 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/97, 2-3=-354/225, 3-4=-305/186, 4-5=-255/153, 5-6=-205/120, 6-7=-156/87, 7-8=-95/55, 8-9=-33/28
BOT CHORD 2-10=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 13-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, 4, 5, 6, 7, 8.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 9, 54 lb uplift at joint 3, 59 lb uplift at joint 4, 48 lb uplift at joint 5, 36 lb uplift at joint 6, 36 lb uplift at joint 7 and 34 lb uplift at joint 8.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5, 6, 7, 8.

LOAD CASE(S) Standard

May 13,2025

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400 Sunrise Ave., Suite 270
Roseville, CA 95661
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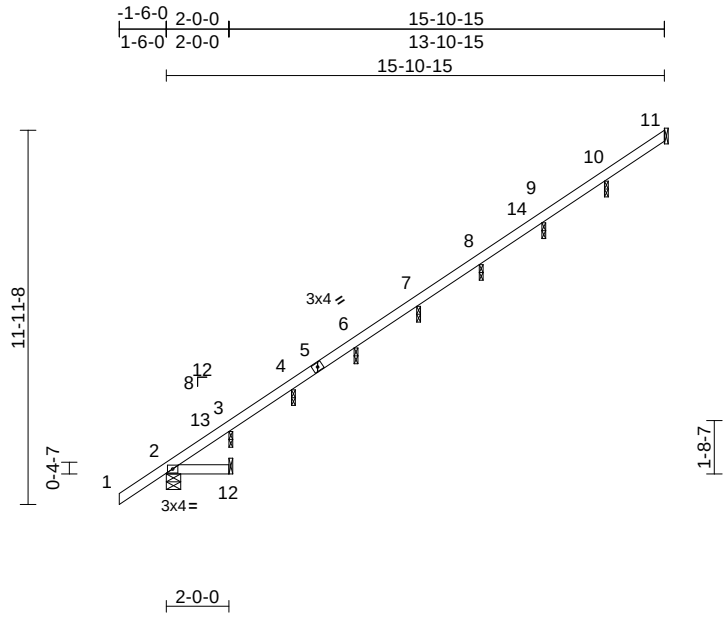
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193577
4623837	J19	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:51 Page: 1
ID:yESbG8Ww8JfdXvqHlwpXSNzGtkV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:73.6

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	0.29	Vert(LL)	0.00	2-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	2-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	11	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 27 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-1-8, 4=0-1-8, 6=0-1-8, 7=0-1-8, 8=0-1-8, 9=0-1-8, 10=0-1-8, 11= Mechanical, 12= Mechanical
Max Horiz 2=248 (LC 12)
Max Uplift 3=-55 (LC 12), 4=-59 (LC 12), 6=-48 (LC 12), 7=-36 (LC 12), 8=-36 (LC 12), 9=-36 (LC 12), 10=-34 (LC 12), 11=-16 (LC 12)
Max Grav 2=296 (LC 18), 3=102 (LC 20), 4=140 (LC 1), 6=140 (LC 1), 7=140 (LC 1), 8=140 (LC 1), 9=140 (LC 1), 10=133 (LC 1), 11=63 (LC 1), 12=39 (LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/97, 2-3=-404/258, 3-4=-354/218, 4-6=-305/186, 6-7=-255/153, 7-8=-205/120, 8-9=-156/87, 9-10=-95/55, 10-11=-33/28
BOT CHORD 2-12=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 15-10-3 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, 4, 6, 7, 8, 9, 10.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 11, 55 lb uplift at joint 3, 59 lb uplift at joint 4, 48 lb uplift at joint 6, 36 lb uplift at joint 7, 36 lb uplift at joint 8, 36 lb uplift at joint 9 and 34 lb uplift at joint 10.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 6, 7, 8, 9, 10.

LOAD CASE(S) Standard

May 13,2025

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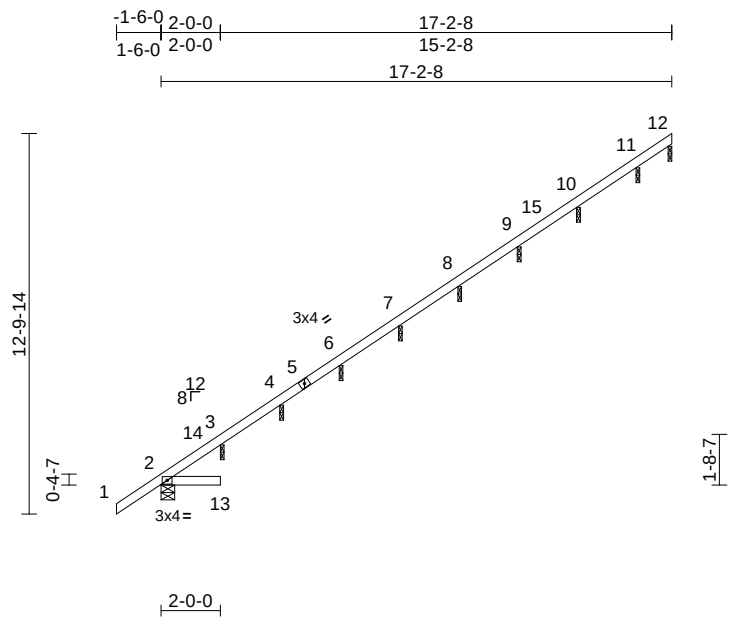
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193578
4623837	J20	Jack-Open	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. Tue May 13 15:18:51 Page: 1
ID:yV_1ryja8XoC4WdYF_dXeyzGtkE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:77.6

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	0.29	Vert(LL)	0.05	13	>507	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.04	13	>561	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	12	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 29 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 3=0-1-8, 4=0-1-8, 6=0-1-8, 7=0-1-8, 8=0-1-8, 9=0-1-8, 10=0-1-8, 11=0-1-8, 12=0-1-8
Max Horiz 2=264 (LC 12)
Max Uplift 3=-44 (LC 12), 4=-59 (LC 12), 6=-48 (LC 12), 7=-36 (LC 12), 8=-36 (LC 12), 9=-36 (LC 12), 10=-36 (LC 12), 11=-28 (LC 12), 12=-10 (LC 12)
Max Grav 2=297 (LC 18), 3=121 (LC 20), 4=140 (LC 1), 6=140 (LC 1), 7=140 (LC 1), 8=140 (LC 1), 9=140 (LC 1), 10=140 (LC 1), 11=108 (LC 1), 12=38 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/97, 2-3=-430/291, 3-4=-386/240, 4-6=-337/207, 6-7=-287/174, 7-8=-238/141, 8-9=-188/109, 9-10=-136/76, 10-11=-72/43, 11-12=-20/17
BOT CHORD 2-13=0/0

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 17-1-12 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12, 3, 4, 6, 7, 8, 9, 10, 11.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 12, 44 lb uplift at joint 3, 59 lb uplift at joint 4, 48 lb uplift at joint 6, 36 lb uplift at joint 7, 36 lb uplift at joint 8, 36 lb uplift at joint 9, 36 lb uplift at joint 10 and 28 lb uplift at joint 11.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12, 3, 4, 6, 7, 8, 9, 10, 11.

LOAD CASE(S) Standard

May 13,2025

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400 Sunrise Ave., Suite 270
Roseville, CA 95661
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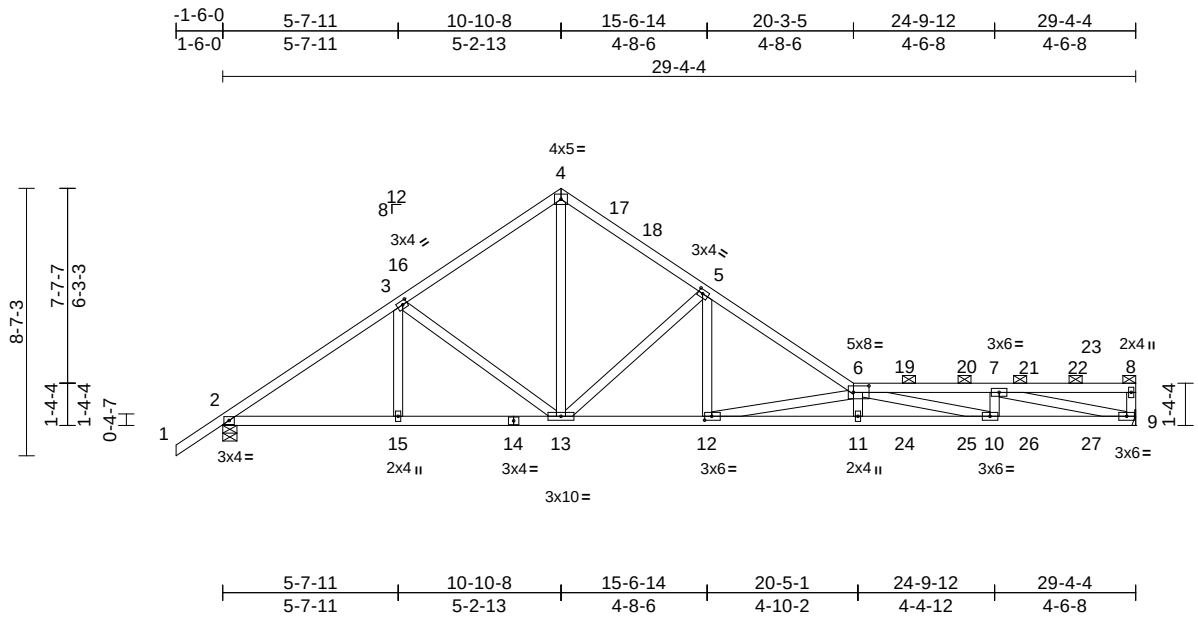
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	K01	Roof Special Girder	1	2	R88193579 Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:51 Page: 1
ID:Py9rhcTPNUjMe?lxrOg_g6zGtfP-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:74.1

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

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	0.49	Vert(LL)	-0.42	11-12	>828	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.71	11-12	>488	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.09	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 256 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2 *Except* 14-9:2x4 DF 1800F 1.6E
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-2 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 9= Mechanical
Max Horiz 2=143 (LC 9)
Max Uplift 2=-75 (LC 10), 9=-156 (LC 11)
Max Grav 2=1448 (LC 1), 9=1390 (LC 30)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-2024/79, 3-4=-1600/139, 4-5=-1654/127, 5-6=-3129/200, 6-7=-4938/560, 7-8=-213/25, 8-9=-234/47
BOT CHORD 2-15=-91/1572, 13-15=-91/1572, 12-13=-132/2545, 11-12=-755/8244, 10-11=-754/8249, 9-10=-570/4937
WEBS 3-15=0/230, 3-13=-519/102, 4-13=-83/1388, 5-13=-1761/209, 5-12=-81/1441, 6-12=-5839/638, 6-11=-6/120, 6-10=-3417/188, 7-10=-10/906, 7-9=-4881/560

NOTES
1) 2-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.
Bottom chords connected as follows: 2x4 - 1 row 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) exterior 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) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
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) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 9 and 75 lb uplift at joint 2.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 103 lb down and 65 lb up at 21-11-4, 101 lb down and 54 lb up at 23-11-4, and 101 lb down and 54 lb up at 25-11-4, and 100 lb down and 53 lb up at 27-11-4 on top chord, and 88 lb down and 68 lb up at 21-11-4, 7 lb down at 23-11-4, and 7 lb down at 25-11-4, and 7 lb down at 27-11-4 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: 1-4=-70, 4-6=-70, 6-8=-70, 2-9=-20
Concentrated Loads (lb)
Vert: 24=-78 (B)

May 13,2025

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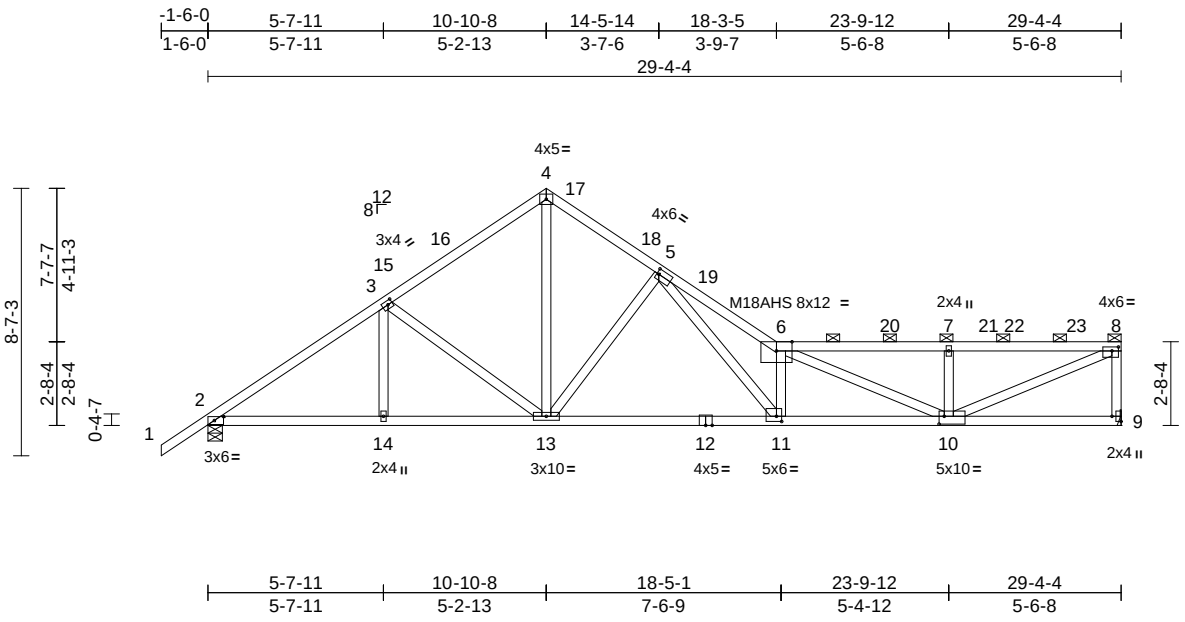
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193580
4623837	K02	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:52 Page: 1
ID:BwNiUgPPSx?WTlYtni2kh3zGtcu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:74.1

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

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	0.86	Vert(LL)	-0.34	11-13	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.63	11-13	>550	180	M18AHS	145/140
TCDL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.09	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 129 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 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-14 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-5-8, 9= Mechanical
Max Horiz 2=155 (LC 13)
Max Uplift 2=-58 (LC 14), 9=-126 (LC 15)
Max Grav 2=1429 (LC 1), 9=1425 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-1985/61, 3-4=-1577/104, 4-5=-1594/108, 5-6=-4849/258, 6-7=-2587/212, 7-8=-2587/212, 8-9=-1366/154
BOT CHORD 2-14=-99/1544, 13-14=-99/1544, 11-13=-114/2017, 10-11=-186/3862, 9-10=-29/64
WEBS 6-11=-2362/224, 6-10=-1433/103, 7-10=-666/171, 8-10=-217/2762, 4-13=-54/1359, 3-13=-503/108, 3-14=0/201, 5-13=-1343/158, 5-11=-183/3175

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 10-10-8, Exterior(2R) 10-10-8 to 13-10-8, Interior (1) 13-10-8 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 126 lb uplift at joint 9 and 58 lb uplift at joint 2.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 103 lb down and 86 lb up at 21-11-4, 103 lb down and 98 lb up at 23-11-4, and 103 lb down and 98 lb up at 25-11-4, and 103 lb down and 98 lb up at 27-11-4 on top 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: 1-4=-70, 4-6=-70, 6-8=-70, 2-9=-20

May 13,2025

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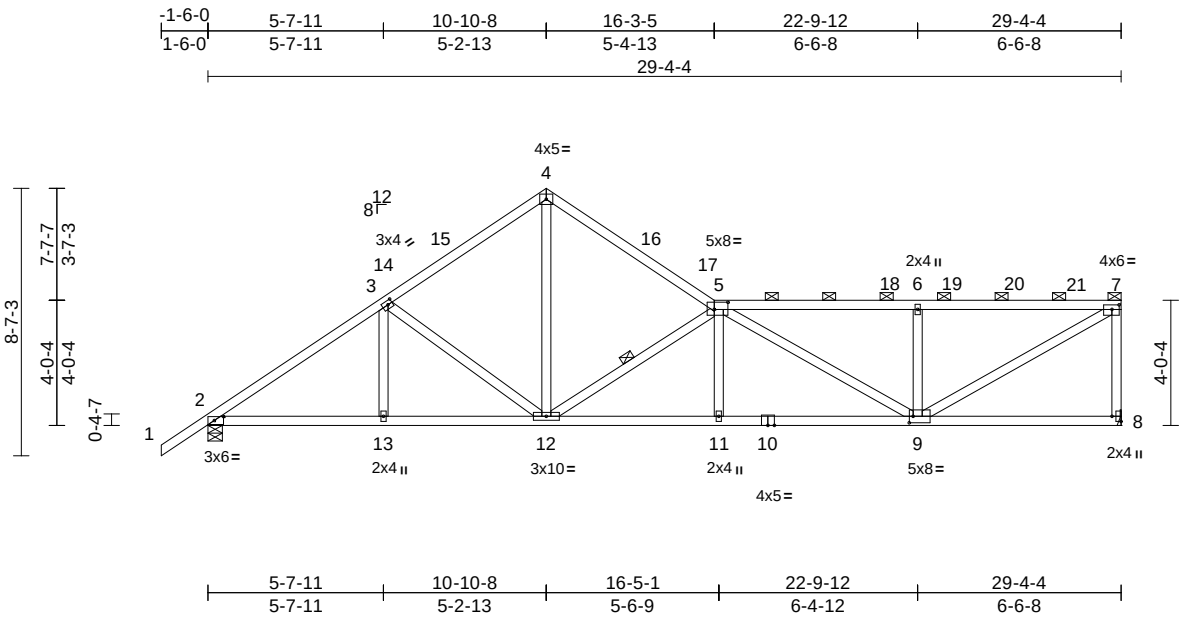
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193581
4623837	K03	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:52 Page: 1
ID:YimtEp5XG93aBLqe3S3tztzGtc0-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:74.1

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

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	0.89	Vert(LL)	-0.16	11	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.30	9-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.08	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 132 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 5-7:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals, and 2-0-0 oc purlins (4-2-11 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-12

REACTIONS (size) 2=0-5-8, 8= Mechanical
Max Horiz 2=167 (LC 11)
Max Uplift 2=-51 (LC 14), 8=-94 (LC 15)
Max Grav 2=1429 (LC 1), 8=1508 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-1987/48, 3-4=-1569/98, 4-5=-1625/87, 5-6=-2041/125, 6-7=-2040/125, 7-8=-1447/126
BOT CHORD 2-13=-130/1546, 12-13=-130/1546, 11-12=-132/2651, 9-11=-129/2656, 8-9=-36/69
WEBS 5-11=0/232, 5-9=-889/151, 6-9=-795/166, 7-9=-124/2313, 4-12=-16/1258, 5-12=-1736/112, 3-12=-513/101, 3-13=0/225

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 10-10-8, Exterior(2R) 10-10-8 to 13-10-8, Interior (1) 13-10-8 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 8 and 51 lb uplift at joint 2.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 103 lb down and 75 lb up at 21-11-4, 103 lb down and 86 lb up at 23-11-4, and 103 lb down and 86 lb up at 25-11-4, and 103 lb down and 86 lb up at 27-11-4 on top 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: 1-4=-70, 4-5=-70, 5-7=-70, 2-8=-20

May 13,2025

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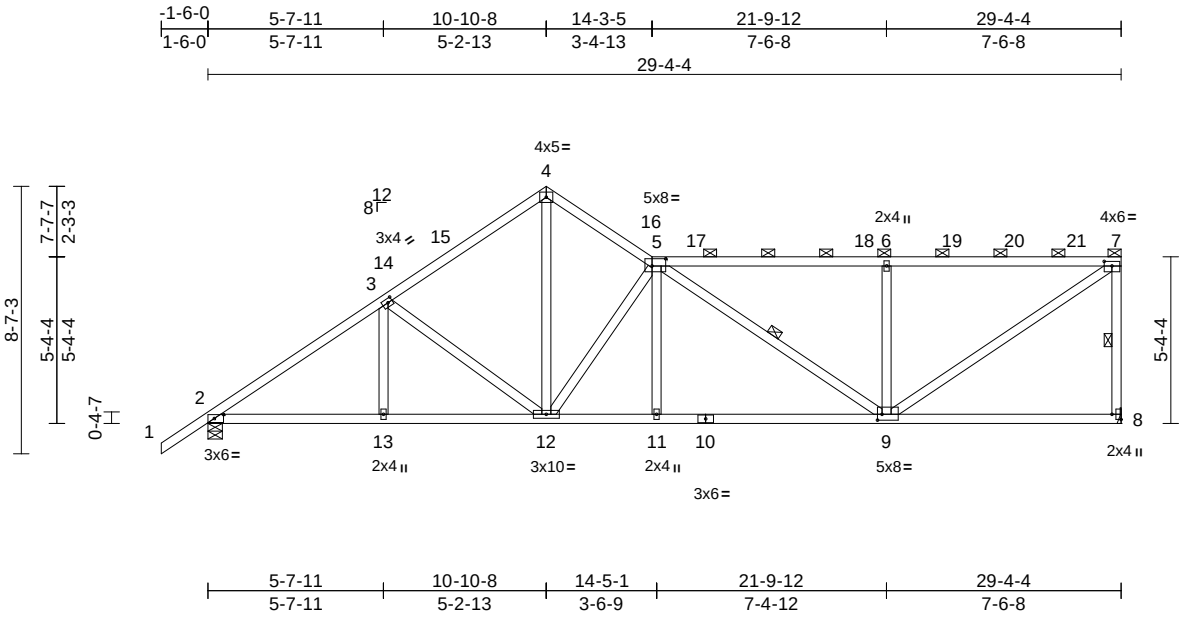
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193582
4623837	K04	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:52 Page: 1
ID:VuTvMxkmnRk22VOqg5WIc2zGtbB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:74.1

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

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	0.90	Vert(LL)	-0.12	9-11	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.26	9-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.07	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 140 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 5-7:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-14 oc purlins, except end verticals, and 2-0-0 oc purlins (3-1-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-8, 5-9

REACTIONS (size) 2=0-5-8, 8= Mechanical
Max Horiz 2=178 (LC 13)
Max Uplift 2=-47 (LC 14), 8=-79 (LC 15)
Max Grav 2=1429 (LC 1), 8=1582 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/100, 2-3=-1991/43, 3-4=-1564/95, 4-5=-1568/96, 5-6=-1779/103, 6-7=-1778/103, 7-8=-1514/115
BOT CHORD 2-13=-163/1548, 12-13=-163/1548, 11-12=-128/1970, 9-11=-127/1973, 8-9=-45/85
WEBS 5-11=0/221, 5-9=-495/166, 6-9=-925/169, 7-9=-100/2111, 4-12=-39/1404, 5-12=-1428/72, 3-12=-520/100, 3-13=0/237

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 10-10-8, Exterior(2R) 10-10-8 to 13-10-8, Interior (1) 13-10-8 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 8 and 47 lb uplift at joint 2.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 103 lb down and 75 lb up at 21-11-4, 103 lb down and 75 lb up at 23-11-4, and 103 lb down and 75 lb up at 25-11-4, and 103 lb down and 75 lb up at 27-11-4 on top 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: 1-4=-70, 4-5=-70, 5-7=-70, 2-8=-20

May 13,2025

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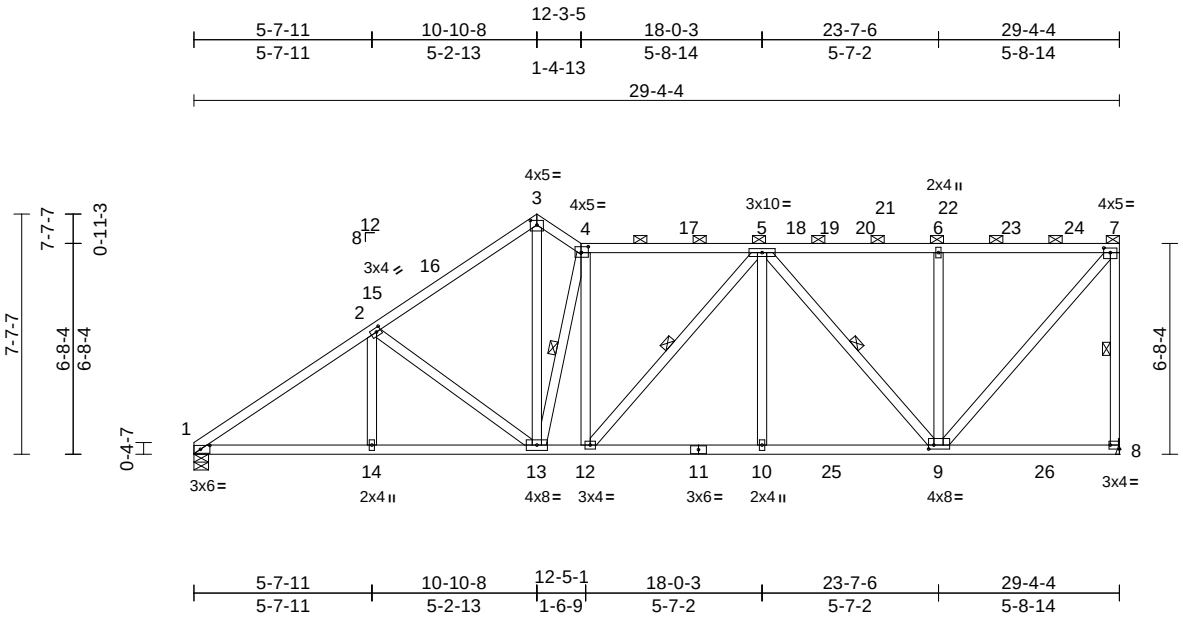
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193583
4623837	K05	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:53 Page: 1
ID:SMiN2tahIxZ7RFkHmomjSpzGta5-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:73.1

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

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	0.73	Vert(LL)	-0.14	10-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.24	10-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.07	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 155 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 3-6-8 oc purlins, except end verticals, and 2-0-0 oc purlins (3-2-15 max.): 4-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-8, 4-13, 5-12, 5-9

REACTIONS (size) 1=0-5-8, 8= Mechanical
Max Horiz 1=180 (LC 11)
Max Uplift 1=-21 (LC 14), 8=-89 (LC 15)
Max Grav 1=1403 (LC 23), 8=1709 (LC 42)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2137/45, 2-3=-1663/86, 3-4=-1613/101, 4-5=-1636/87, 5-6=-1200/107, 6-7=-1200/107, 7-8=-1593/113
BOT CHORD 1-14=-203/1759, 13-14=-203/1759, 12-13=-153/1661, 10-12=-133/1763, 9-10=-133/1763, 8-9=-70/90
WEBS 4-12=-33/280, 3-13=-55/1654, 4-13=-1381/62, 2-13=-537/108, 2-14=0/238, 7-9=-93/1817, 5-10=0/303, 5-12=-229/124, 5-9=-832/108, 6-9=-608/121

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 Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 10-10-8, Exterior(2E) 10-10-8 to 12-3-5, Interior (1) 12-3-5 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 1 and 89 lb uplift at joint 8.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 103 lb down and 75 lb up at 21-11-4, 103 lb down and 75 lb up at 23-11-4, and 103 lb down and 75 lb up at 25-11-4, and 98 lb down and 71 lb up at 27-11-4 on top 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, 3-4=-70, 4-7=-70, 1-8=-20

XIAOMING ZHAO
STATE OF WASHINGTON
54074
REGISTERED
PROFESSIONAL ENGINEER

May 13,2025

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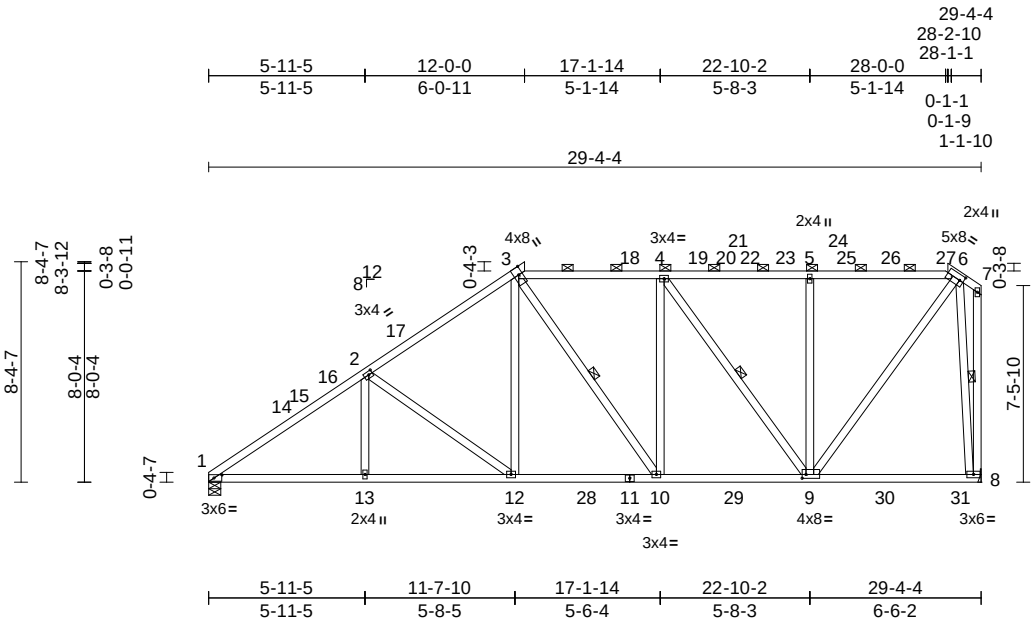
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193584
4623837	K06	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:53 Page: 1
ID:hvK3eOJJAN6ceTKpHOrntTzGtZ9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:87.5

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

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	0.65	Vert(LL)	-0.10	10-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.17	10-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.06	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 160 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 3-5-5 oc purlins, except end verticals, and 2-0-0 oc purlins (3-11-12 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-10, 6-8, 4-9

REACTIONS (size) 1=0-5-8, 8= Mechanical
Max Horiz 1=194 (LC 13)
Max Uplift 1=-69 (LC 14), 8=-109 (LC 14)
Max Grav 1=1442 (LC 42), 8=1665 (LC 41)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2197/123, 2-3=-1660/145, 3-4=-1478/147, 4-5=-1116/115, 5-6=-1116/115, 6-7=-159/198, 7-8=-143/209
BOT CHORD 1-13=-155/1810, 12-13=-155/1810, 10-12=-122/1361, 9-10=-127/1478, 8-9=-76/178
WEBS 2-13=0/248, 2-12=-650/114, 3-12=0/598, 3-10=-129/268, 6-8=-1627/241, 5-9=-619/120, 6-9=-88/1585, 4-9=-662/137, 4-10=-112/334

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 Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 11-9-6, Exterior(2R) 11-9-6 to 16-0-5, Interior (1) 16-0-5 to 28-6-0, Exterior(2E) 28-6-0 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 1 and 109 lb uplift at joint 8.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 103 lb down and 75 lb up at 21-11-4, 103 lb down and 75 lb up at 23-11-4, and 98 lb down and 71 lb up at 25-11-4, and 133 lb down and 112 lb up at 28-0-8 on top 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, 3-6=-70, 6-7=-70, 1-8=-20
Concentrated Loads (lb)
Vert: 27=-42

May 13,2025

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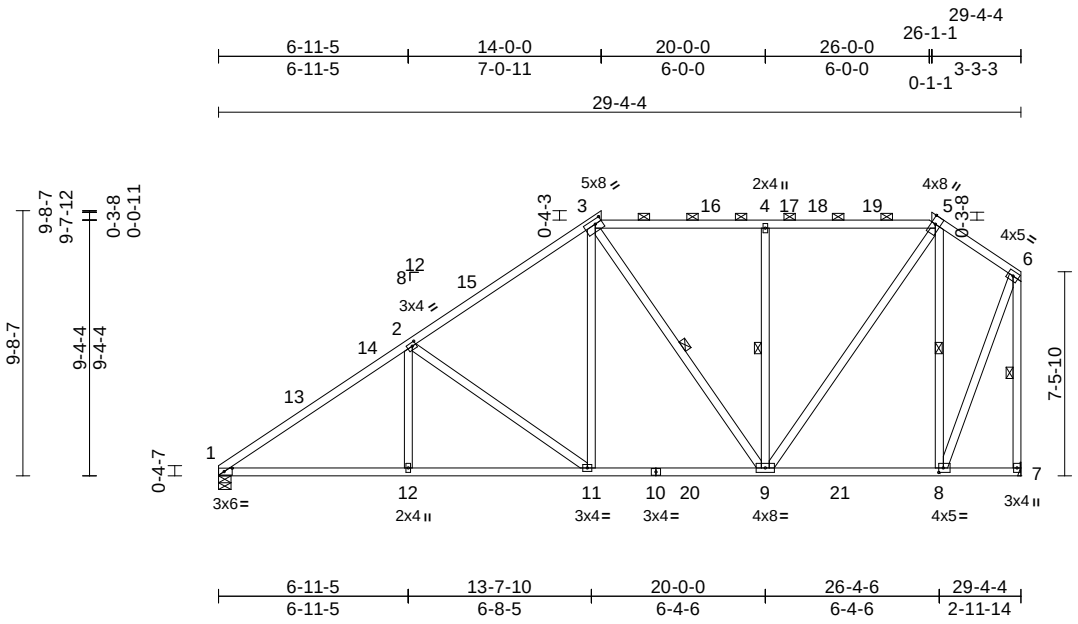
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193585
4623837	K07	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:54 Page: 1
ID:ax5?2ZZUEqmdfiQr0IjjEuzGtYq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:84.3

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

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	0.97	Vert(LL)	-0.12	1-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.22	1-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.06	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 160 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, except end verticals, and 2-0-0 oc purlins (4-3-4 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-9, 4-9, 5-8, 6-7

REACTIONS (size) 1=0-5-8, 7= Mechanical
Max Horiz 1=216 (LC 13)
Max Uplift 1=-62 (LC 14), 7=-77 (LC 14)
Max Grav 1=1466 (LC 42), 7=1541 (LC 41)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2184/112, 2-3=-1558/137, 3-4=-1125/131, 4-5=-1125/131, 5-6=-604/122, 6-7=-1522/95
BOT CHORD 1-12=-142/1837, 11-12=-142/1837, 9-11=-110/1198, 8-9=-82/520, 7-8=-85/94
WEBS 2-12=0/296, 2-11=-772/131, 3-11=0/701, 3-9=-352/119, 4-9=-766/138, 5-9=-74/1121, 5-8=-1045/148, 6-8=-79/1328

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 Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 13-9-6, Exterior(2R) 13-9-6 to 18-0-5, Interior (1) 18-0-5 to 26-2-10, Exterior(2E) 26-2-10 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 1 and 77 lb uplift at joint 7.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 79 lb down and 57 lb up at 21-11-4, and 98 lb down and 71 lb up at 23-11-4, and 175 lb down and 110 lb up at 26-2-10 on top 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, 3-5=-70, 5-6=-70, 1-7=-20
Concentrated Loads (lb)
Vert: 5=-76

May 13,2025

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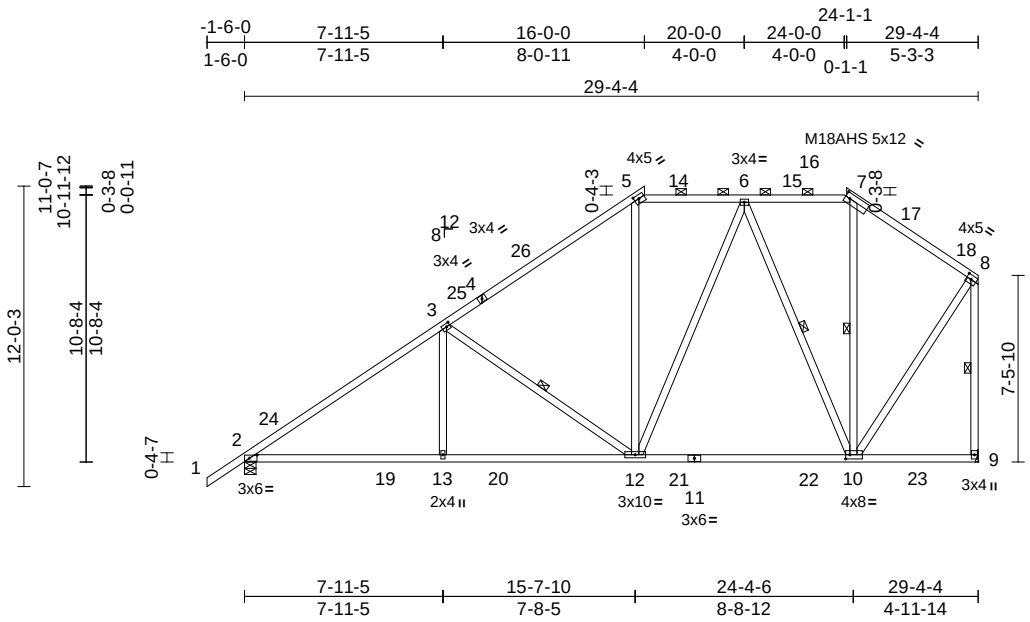
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE
4623837	K08	California	1	1	R88193586
					Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:54 Page: 1
ID:mKnaw8v2dRIf0?ZEfBDHMozGtYO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:92.2

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

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	0.82	Vert(LL)	-0.27	10-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.42	10-12	>834	180	M18AHS	145/140
TCDL	10.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 164 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 4-5,1-4:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-6 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 6-10, 7-10, 8-9

REACTIONS (size) 2=0-5-8, 9= Mechanical
Max Horiz 2=249 (LC 13)
Max Uplift 2=-83 (LC 14), 9=-74 (LC 14)
Max Grav 2=1657 (LC 43), 9=1651 (LC 41)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-1118/152, 6-7=-676/130, 7-8=-897/123, 8-9=-1586/96, 1-2=0/100, 2-3=-2276/99, 3-5=-1521/128
BOT CHORD 2-13=-142/1900, 12-13=-142/1900, 10-12=-110/971, 9-10=-83/92
WEBS 3-13=0/395, 3-12=-902/151, 5-12=0/409, 6-12=-74/594, 6-10=-767/101, 7-10=-286/158, 8-10=-60/1210

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 15-9-6, Exterior(2R) 15-9-6 to 20-0-0, Interior (1) 20-0-0 to 24-2-10, Exterior(2R) 24-2-10 to 28-5-9, Interior (1) 28-5-9 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 2 and 74 lb uplift at joint 9.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 28 lb down and 20 lb up at 21-11-4, and 312 lb down and 139 lb up at 24-2-10 on top 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: 5-7=-70, 7-8=-70, 2-9=-20, 1-5=-70
Concentrated Loads (lb)
Vert: 7=-213

May 13,2025

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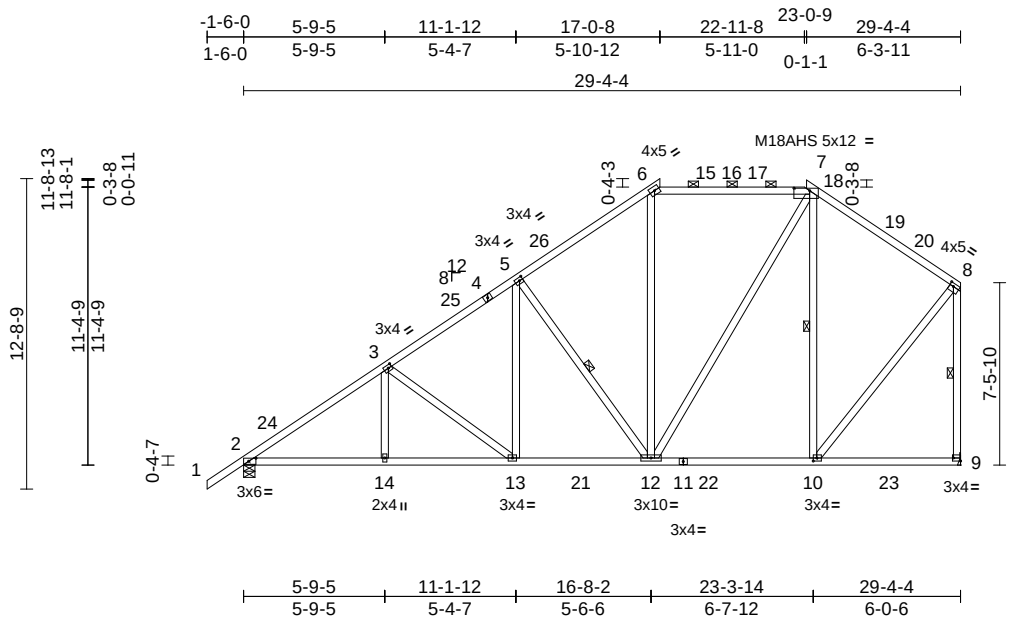
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193587
4623837	K09	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:54 Page: 1
ID:XyNJt7pjknst8hNq68a5SqzGtXC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:94.3

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

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)	-0.11	10-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.17	10-12	>999	180	M18AHS	145/140
TCDL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 168 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 6-7:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-4-6 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-12, 7-10, 8-9

REACTIONS (size) 2=0-5-8, 9= Mechanical
Max Horiz 2=261 (LC 13)
Max Uplift 2=-74 (LC 14), 9=-45 (LC 14)
Max Grav 2=1624 (LC 43), 9=1621 (LC 41)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 6-7=-1000/145, 7-8=-948/110, 8-9=-1508/78, 1-2=0/100, 2-3=-2291/75, 3-5=-1835/107, 5-6=-1332/132
BOT CHORD 2-14=-140/1924, 13-14=-140/1924, 12-13=-127/1553, 10-12=-90/722, 9-10=-79/92
WEBS 5-12=-830/131, 6-12=0/374, 7-12=-90/658, 7-10=-636/125, 8-10=-43/1076, 3-14=0/235, 3-13=-468/86, 5-13=0/483

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 16-9-14, Exterior(2R) 16-9-14 to 21-0-13, Interior (1) 21-0-13 to 23-2-2, Exterior(2R) 23-2-2 to 27-5-1, Interior (1) 27-5-1 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 2 and 45 lb uplift at joint 9.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 137 lb down and 66 lb up at 23-2-2 on top 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: 6-7=-70, 7-8=-70, 2-9=-20, 1-6=-70
Concentrated Loads (lb)
Vert: 7=-88

May 13,2025

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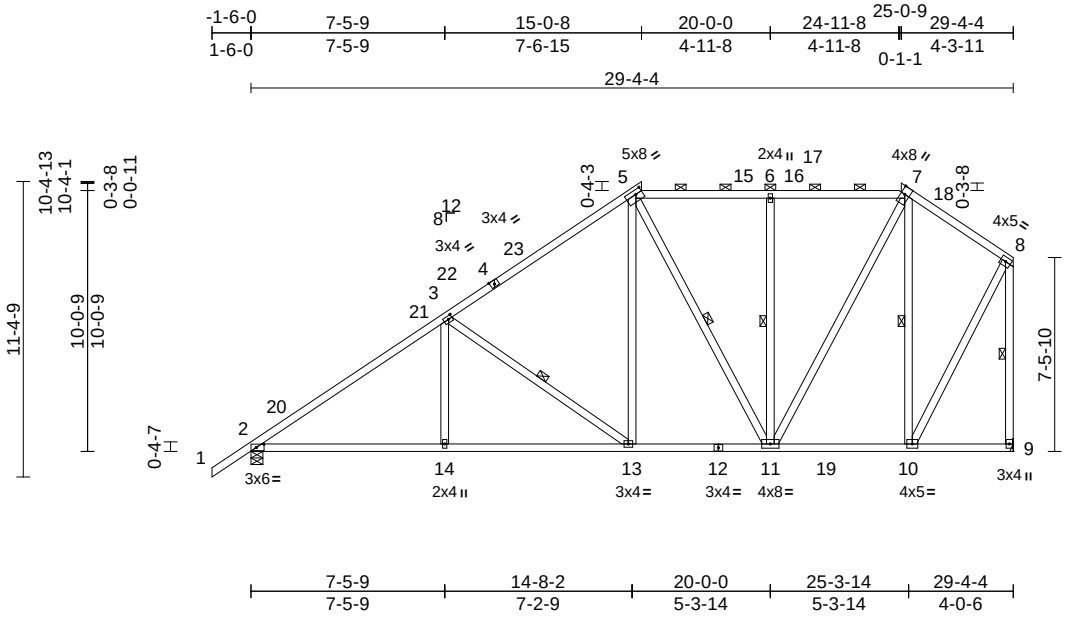
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193588
4623837	K10	California	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:55 Page: 1
ID:t5bwDPGtZf3Occs?PUmJa7zGtXw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:88.7

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

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	0.98	Vert(LL)	-0.13	2-14	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.24	2-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 169 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2 *Except* 4-5:2x4 DF 1800F 1.6E
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-13, 5-11, 6-11, 7-10, 8-9

REACTIONS (size) 2=0-5-8, 9= Mechanical
Max Horiz 2=239 (LC 11)
Max Uplift 2=-82 (LC 14), 9=-68 (LC 14)
Max Grav 2=1575 (LC 43), 9=1524 (LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-1020/123, 6-7=-1020/123, 7-8=-721/120, 8-9=-1475/93, 1-2=0/100, 2-3=-2163/94, 3-5=-1497/126
BOT CHORD 2-14=-139/1796, 13-14=-139/1796, 11-13=-110/1123, 10-11=-92/597, 9-10=-84/94
WEBS 3-14=0/322, 3-13=-810/134, 5-13=0/711, 5-11=-448/80, 6-11=-632/113, 7-11=-81/926, 7-10=-923/138, 8-10=-79/1206

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 14-9-14, Exterior(2R) 14-9-14 to 19-0-13, Interior (1) 19-0-13 to 25-2-2, Exterior(2E) 25-2-2 to 29-2-8 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) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 2 and 68 lb uplift at joint 9.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 277 lb down and 133 lb up at 25-2-2 on top 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: 5-7=-70, 7-8=-70, 2-9=-20, 1-5=-70
Concentrated Loads (lb)
Vert: 7=-178

May 13,2025

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400 Sunrise Ave., Suite 270
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916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193589
4623837	L01	Common Supported Gable	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. Tue May 13 15:18:55 Page: 1
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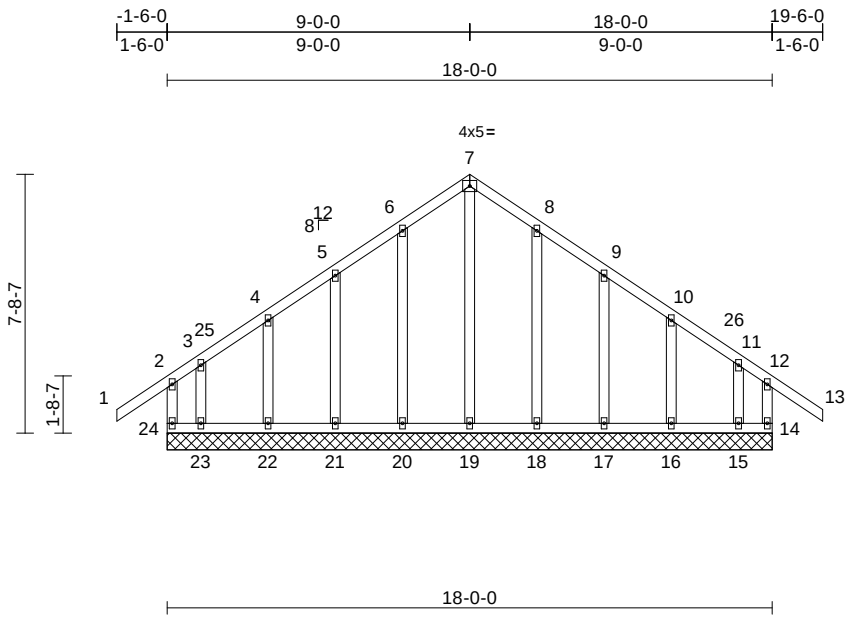


Scale = 1:68.6

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	0.33	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.00	14	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	10.0										Weight: 98 lb	FT = 10%

LUMBER
TOP CHORD 2x4 HF No.2
BOT CHORD 2x4 HF No.2
WEBS 2x4 HF No.2
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=18-0-0, 15=18-0-0, 16=18-0-0, 17=18-0-0, 18=18-0-0, 19=18-0-0, 20=18-0-0, 21=18-0-0, 22=18-0-0, 23=18-0-0, 24=18-0-0
Max Horiz 24=-154 (LC 10)
Max Uplift 14=-135 (LC 9), 15=-119 (LC 8), 16=-32 (LC 13), 17=-38 (LC 13), 18=-33 (LC 13), 20=-33 (LC 12), 21=-38 (LC 12), 22=-31 (LC 12), 23=-132 (LC 9), 24=-152 (LC 8)
Max Grav 14=318 (LC 18), 15=181 (LC 11), 16=191 (LC 1), 17=176 (LC 1), 18=189 (LC 1), 19=212 (LC 23), 20=189 (LC 1), 21=176 (LC 1), 22=191 (LC 1), 23=195 (LC 10), 24=318 (LC 18)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-24=-323/147, 1-2=0/110, 2-3=-101/106, 3-4=-56/92, 4-5=-49/119, 5-6=-72/167, 6-7=-98/210, 7-8=-98/210, 8-9=-72/167, 9-10=-46/118, 10-11=-48/90, 11-12=-88/95, 12-13=0/110, 12-14=-323/144
BOT CHORD 23-24=-82/73, 22-23=-82/73, 21-22=-82/73, 20-21=-82/73, 19-20=-82/73, 18-19=-82/73, 17-18=-82/73, 16-17=-82/73, 15-16=-82/73, 14-15=-82/73
WEBS 7-19=-182/54, 6-20=-149/62, 5-21=-136/70, 4-22=-150/73, 3-23=-86/120, 8-18=-149/62, 9-17=-136/70, 10-16=-150/73, 11-15=-79/120

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(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 9-0-0, Corner(3R) 9-0-0 to 12-0-0, Exterior(2N) 12-0-0 to 19-6-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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 152 lb uplift at joint 24, 135 lb uplift at joint 14, 33 lb uplift at joint 20, 38 lb uplift at joint 21, 31 lb uplift at joint 22, 132 lb uplift at joint 23, 33 lb uplift at joint 18, 38 lb uplift at joint 17, 32 lb uplift at joint 16 and 119 lb uplift at joint 15.

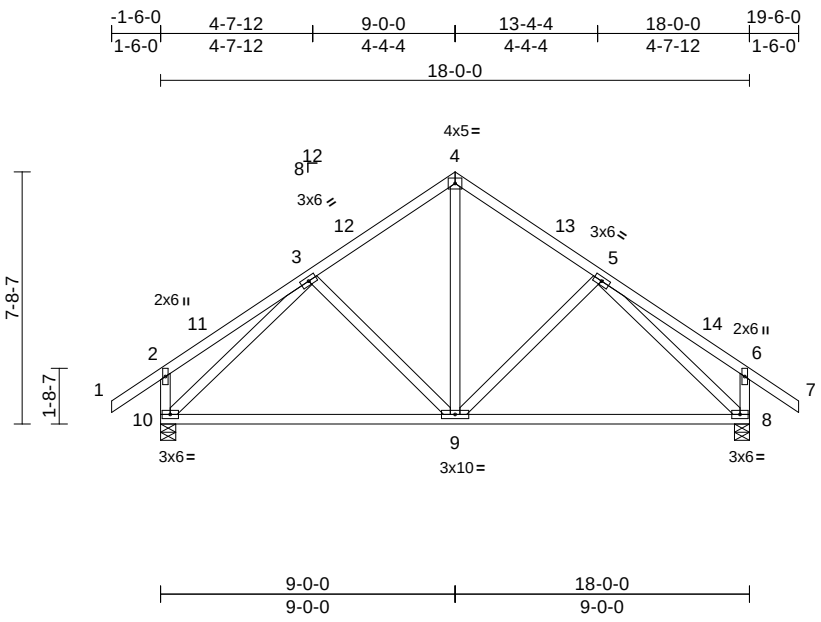
LOAD CASE(S) Standard

May 13,2025

MiTek®
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193590
4623837	L02	Common	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. Tue May 13 15:18:55 Page: 1
ID:SmVgarvJX9NTXmA0i47BDdzGu_n-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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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	0.33	Vert(LL)	-0.13	9-10	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.27	9-10	>794	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.02	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 90 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 8=0-5-8, 10=0-5-8
Max Horiz 10=-154 (LC 10)
Max Uplift 8=-35 (LC 13), 10=-35 (LC 12)
Max Grav 8=912 (LC 1), 10=912 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/110, 2-3=-169/64, 3-4=-689/65, 4-5=-689/65, 5-6=-169/64, 6-7=0/110, 2-10=-309/81, 6-8=-309/82
BOT CHORD 9-10=-32/590, 8-9=0/583
WEBS 4-9=-1/397, 5-9=-145/123, 3-9=-145/123, 3-10=-742/27, 5-8=-742/27

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 Exterior(2E) -1-6-0 to 1-6-0, Interior (1) 1-6-0 to 9-0-0, Exterior(2R) 9-0-0 to 12-0-0, Interior (1) 12-0-0 to 19-6-0 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) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 10 and 35 lb uplift at joint 8.

LOAD CASE(S) Standard

May 13,2025

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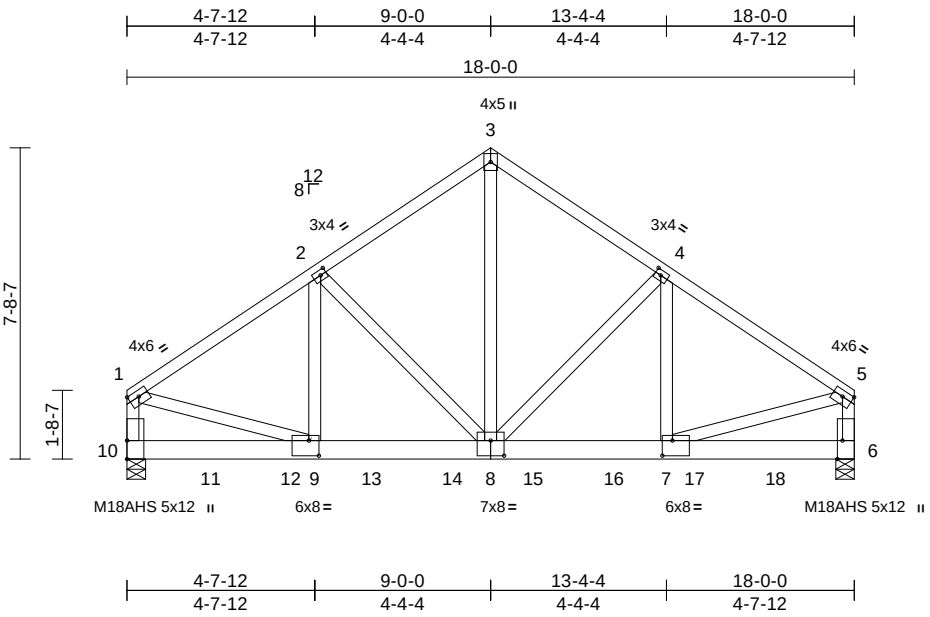
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193591
4623837	L03	Common 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. Tue May 13 15:18:56 Page: 1
ID:?C5snO7glB588IOQ7oRtpwzGtzC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:57

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

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	0.43	Vert(LL)	-0.08	8-9	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.14	8-9	>999	180	M18AHS	145/140
TCDL	10.0	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 215 lb	FT = 10%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 6=0-5-8, 10=0-5-8
Max Horiz 10=-134 (LC 4)
Max Uplift 6=-136 (LC 9), 10=-134 (LC 8)
Max Grav 6=5648 (LC 1), 10=5580 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5946/157, 2-3=-4697/177, 3-4=-4697/177, 4-5=-5958/158, 1-10=-4826/138, 5-6=-4833/138
BOT CHORD 9-10=-129/367, 7-9=-136/4881, 6-7=-26/320
WEBS 3-8=-131/4807, 4-8=-1480/117, 4-7=-21/1447, 2-8=-1466/117, 2-9=-20/1430, 1-9=-86/4774, 5-7=-86/4775

NOTES
1) 2-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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 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) exterior 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) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 10 and 136 lb uplift at joint 6.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1204 lb down and 31 lb up at 2-0-12, 1204 lb down and 31 lb up at 4-0-12, 1204 lb down and 31 lb up at 6-0-12, 1204 lb down and 31 lb up at 8-0-12, 1204 lb down and 31 lb up at 10-0-12, 1204 lb down and 31 lb up at 12-0-12, and 1204 lb down and 31 lb up at 14-0-12, and 1204 lb down and 31 lb up at 16-0-12 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, 3-5=-70, 6-10=-20
Concentrated Loads (lb)
Vert: 11=-1204 (F), 12=-1204 (F), 13=-1204 (F), 14=-1204 (F), 15=-1204 (F), 16=-1204 (F), 17=-1204 (F), 18=-1204 (F)

May 13,2025

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400 Sunrise Ave., Suite 270
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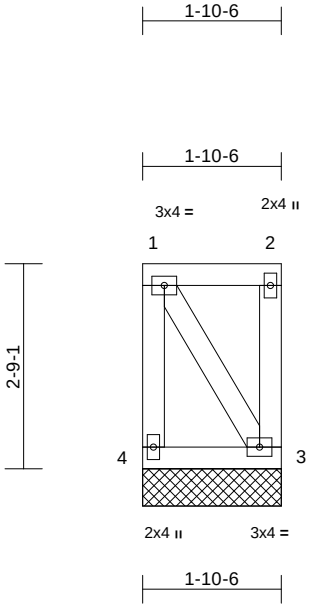
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193592
4623837	P01	Flat Supported Gable	18	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:56 Page: 1
ID:_2wKFEaVTNH0ZIyZdZvcWxzGuJt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:31

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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 12 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 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3=1-10-6, 4=1-10-6
Max Horiz 4=-61 (LC 12)
Max Uplift 3=-52 (LC 11), 4=-52 (LC 10)
Max Grav 3=86 (LC 23), 4=86 (LC 24)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-121/147, 1-2=-31/41, 2-3=-55/49
BOT CHORD 3-4=-93/103
WEBS 1-3=-116/116

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) 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) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 4 and 52 lb uplift at joint 3.

LOAD CASE(S) Standard

May 13,2025

MiTek®
400 Sunrise Ave., Suite 270
Roseville, CA 95661
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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193593
4623837	P02	Flat 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. Tue May 13 15:18:56 Page: 1
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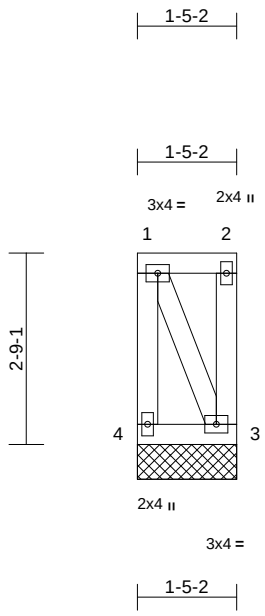

Scale = 1:33.2

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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 11 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 1-5-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3=1-5-2, 4=1-5-2
Max Horiz 4=-61 (LC 12)
Max Uplift 3=-69 (LC 11), 4=-69 (LC 10)
Max Grav 3=85 (LC 23), 4=85 (LC 24)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-152/170, 1-2=-31/41, 2-3=-40/36
BOT CHORD 3-4=-93/103
WEBS 1-3=-149/149

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) 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) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 4 and 69 lb uplift at joint 3.

LOAD CASE(S) Standard

May 13,2025

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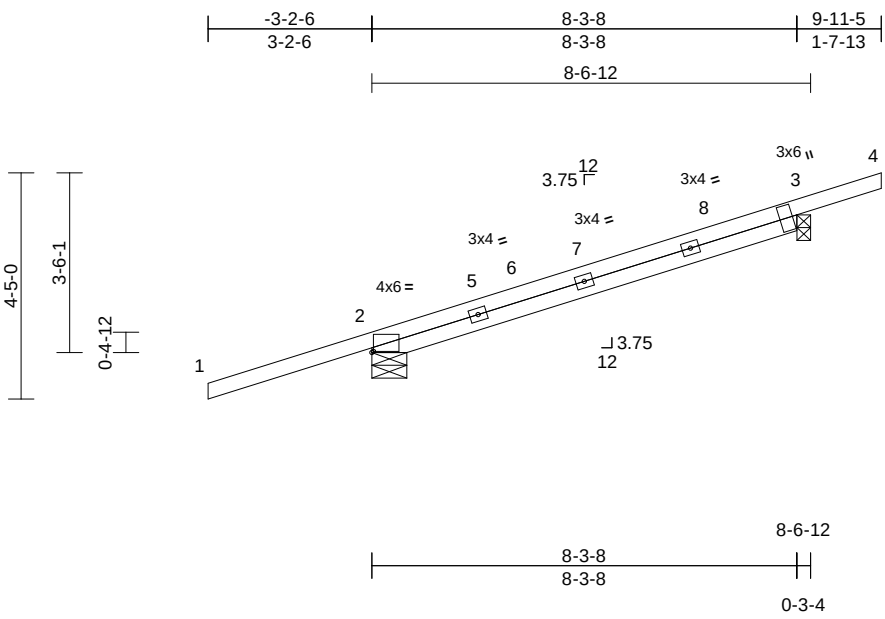
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193594
4623837	R01	Corner Rafter	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 E Dec 31 2024 Print: 8.830 E Dec 31 2024 MiTek Industries, Inc. Tue May 13 14:02:25 Page: 1
ID:CNIJhCyCGIbhCoRljbr654zGu92-ENohC4i8qTiETGNmHpPMpGxCXb3g4D0gZKzrxezGskS



Scale = 1:41

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

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	0.59	Vert(LL)	-0.13	2-3	>799	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.00	Vert(CT)	-0.13	2-3	>801	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 31 lb	FT = 10%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=490/0-8-3, 3=346/0-3-3
Max Horiz 2=115 (LC 6)
Max Uplift 2=-203 (LC 6), 3=-131 (LC 10)
Max Grav 2=541 (LC 16), 3=508 (LC 16)

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

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) Unbalanced snow loads have been considered for this design.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 2 and 131 lb uplift at joint 3.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 58 lb down and 219 lb up at 2-1-5, 70 lb down and 44 lb up at 4-1-15, and 41 lb down and 114 lb up at 4-4-8, and 63 lb down and 36 lb up at 6-7-11 on top chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-70
Concentrated Loads (lb)
Vert: 5=61 (F), 7=23 (F)

May 13,2025

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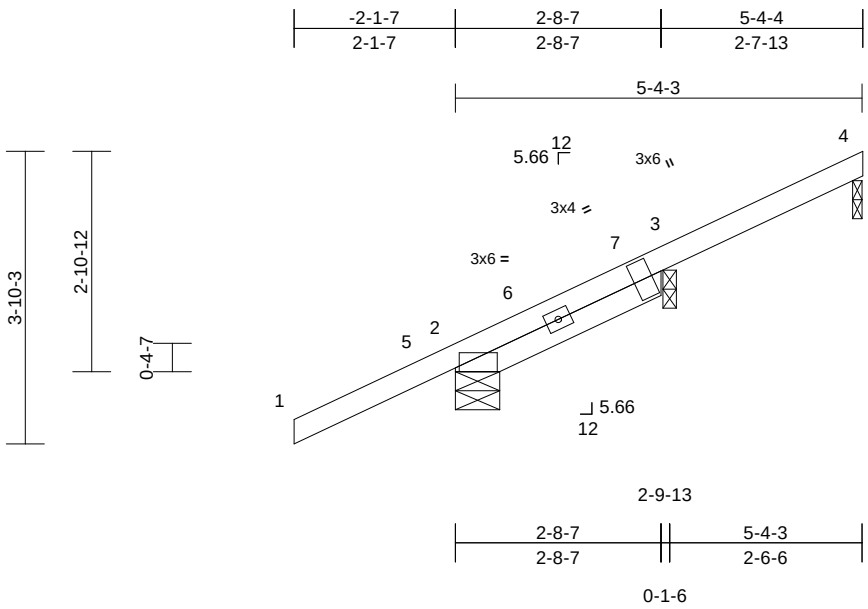
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193595
4623837	R02	Rafter	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 E Dec 31 2024 Print: 8.830 E Dec 31 2024 MiTek Industries, Inc. Tue May 13 14:03:34 Page: 1
ID:g6vX1AN902?jvBcTGSzK0TzGu8V-ifTnhgXQagOSFt80qp8Y6pI5GPcpkQ5qRZB?s8zGsjN



Scale = 1:26.8

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

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)	-0.01	3-4	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.00	Vert(CT)	-0.01	3-4	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 15 lb	FT = 10%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=295/0-7-0, 3=138/0-2-2, 4=87/0-1-8
Max Horiz 2=88 (LC 14)
Max Uplift 2=-45 (LC 14), 3=-50 (LC 14), 4=-29 (LC 14)
Max Grav 2=363 (LC 20), 3=236 (LC 20), 4=133 (LC 20)

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

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 Exterior(2E) -2-1-7 to 0-10-9, Interior (1) 0-10-9 to 5-3-8 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) Unbalanced snow loads have been considered for this design.
4) Plates checked for a plus or minus 0 degree rotation about its center.
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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 3.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 4, 45 lb uplift at joint 2 and 50 lb uplift at joint 3.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 3.

LOAD CASE(S) Standard

May 13,2025

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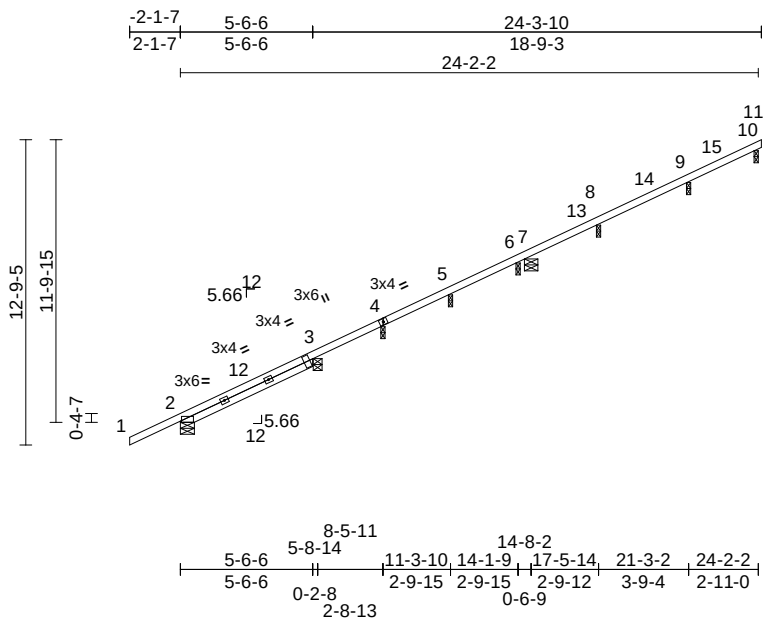
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193596
4623837	R03	Corner Rafter	1	1	Job Reference (optional)

Builders FirstSource (Arlington, WA), Arlington, WA - 98223, Run: 8.83 S Apr 24 2025 Print: 8.830 S Apr 24 2025 MiTek Industries, Inc. Tue May 13 15:18:57 Page: 1
ID:IrdMUoYk_kZzxciv37NnDVzGtll-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:96.4

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

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	0.36	Vert(LL)	-0.06	8-9	>818	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.00	Vert(CT)	-0.07	8-9	>675	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.01	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 48 lb	FT = 10%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 2=0-7-0, 3=0-4-7, 4=0-2-2, 5=0-2-2, 6=0-2-2, 7=0-6-11, 8=0-2-2, 9=0-2-2, 10=0-2-2
Max Horiz 2=323 (LC 36)
Max Uplift 3=-125 (LC 10), 4=-66 (LC 10), 5=-67 (LC 10), 6=-40 (LC 10), 7=-40 (LC 10), 8=-78 (LC 10), 9=-78 (LC 10), 10=-38 (LC 10)
Max Grav 2=356 (LC 16), 3=260 (LC 1), 4=195 (LC 1), 5=198 (LC 1), 6=118 (LC 1), 7=118 (LC 1), 8=314 (LC 16), 9=376 (LC 16), 10=187 (LC 16)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/61, 2-3=-323/52, 3-5=-239/35, 5-6=-162/34, 6-7=-136/19, 7-8=-121/34, 8-9=-82/73, 9-10=-55/56, 10-11=-10/0

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) Unbalanced snow loads have been considered for this design.
4) Plate(s) at joint(s) 2, 2, 3 and 3 checked for a plus or minus 0 degree rotation about its center.
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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5, 6, 9, 10, 8.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 4, 125 lb uplift at joint 3, 67 lb uplift at joint 5, 40 lb uplift at joint 6, 40 lb uplift at joint 7, 78 lb uplift at joint 9, 38 lb uplift at joint 10 and 78 lb uplift at joint 8.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 3, 5, 6, 7, 9, 10, 8.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb down and 107 lb up at 2-9-8, 56 lb down and 16 lb up at 2-9-8, 83 lb down and 55 lb up at 5-7-7, 54 lb down and 33 lb up at 8-5-6, 55 lb down and 24 lb up at 11-3-5, 55 lb down and 24 lb up at 14-1-4, 55 lb down and 24 lb up at 16-11-3, 55 lb down and 24 lb up at 19-9-2, and 55 lb down and 24 lb up at 22-7-1, and 29 lb down and 13 lb up at 24-3-10 on top 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
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-11=-70
Concentrated Loads (lb)
Vert: 12=31 (F)

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193597
4623837	R04	Corner Rafter	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. Tue May 13 15:18:57 Page: 1
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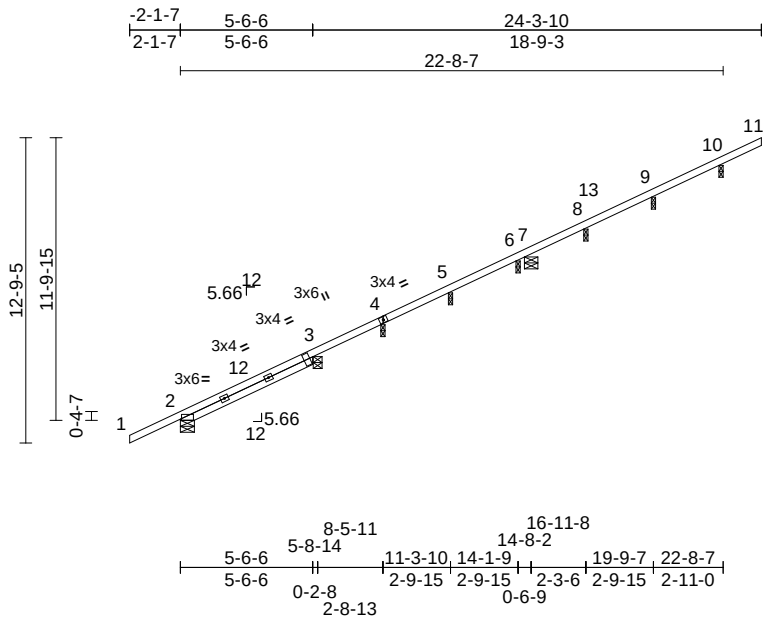

Scale = 1:96.4

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

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	0.35	Vert(LL)	-0.02	2-3	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.00	Vert(CT)	-0.03	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.01	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 45 lb	FT = 10%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except* 4-11:2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 2=0-7-0, 3=0-4-7, 4=0-2-2, 5=0-2-2, 6=0-2-2, 7=0-6-11, 8=0-2-2, 9=0-2-2, 10=0-2-2
Max Horiz 2=320 (LC 10)
Max Uplift 3=-125 (LC 10), 4=-66 (LC 10), 5=-67 (LC 10), 6=-40 (LC 10), 7=-34 (LC 10), 8=-61 (LC 10), 9=-57 (LC 10), 10=-77 (LC 10)
Max Grav 2=356 (LC 1), 3=260 (LC 1), 4=195 (LC 16), 5=198 (LC 1), 6=118 (LC 1), 7=99 (LC 1), 8=222 (LC 16), 9=264 (LC 16), 10=411 (LC 16)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/61, 2-3=-320/52, 3-5=-236/35, 5-6=-159/34, 6-7=-133/19, 7-8=-116/27, 8-9=-82/54, 9-10=-47/93, 10-11=-82/0

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) Unbalanced snow loads have been considered for this design.
4) Plate(s) at joint(s) 2, 2, 3 and 3 checked for a plus or minus 0 degree rotation about its center.
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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5, 6, 8, 9, 10.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 4, 125 lb uplift at joint 3, 67 lb uplift at joint 5, 40 lb uplift at joint 6, 34 lb uplift at joint 7, 61 lb uplift at joint 8, 57 lb uplift at joint 9 and 77 lb uplift at joint 10.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 3, 5, 6, 7, 8, 9, 10.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb down and 107 lb up at 2-9-8, 56 lb down and 16 lb up at 2-9-8, 83 lb down and 55 lb up at 5-7-7, 54 lb down and 33 lb up at 8-5-6, 55 lb down and 24 lb up at 11-3-5, 55 lb down and 24 lb up at 14-1-4, 55 lb down and 24 lb up at 16-11-3, and 55 lb down and 24 lb up at 19-9-2, and 53 lb down and 24 lb up at 22-7-1 on top 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
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-11=-70
Concentrated Loads (lb)
Vert: 12=31 (B)

May 13,2025

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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING CLUB HOUSE R88193598
4623837	R05	Corner Rafter	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. Tue May 13 15:18:57 Page: 1
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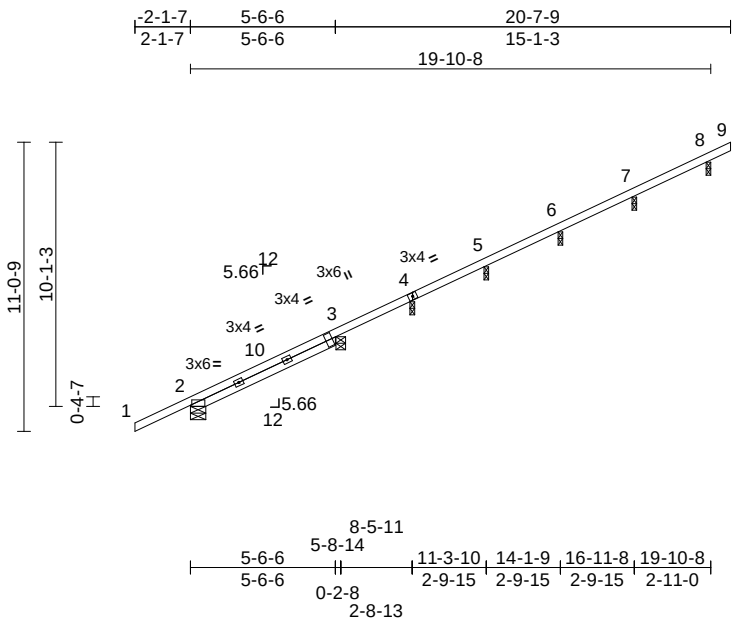

Scale = 1:88

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

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	0.26	Vert(LL)	-0.02	2-3	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.00	Vert(CT)	-0.03	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	10.0										Weight: 40 lb	FT = 10%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except* 4-9:2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 2=0-7-0, 3=0-4-7, 4=0-2-2, 5=0-2-2, 6=0-2-2, 7=0-2-2, 8=0-2-2
Max Horiz 2=277 (LC 10)
Max Uplift 2=-2 (LC 6), 3=-125 (LC 10), 4=-66 (LC 10), 5=-67 (LC 10), 6=-67 (LC 10), 7=-65 (LC 10), 8=-54 (LC 10)
Max Grav 2=356 (LC 1), 3=260 (LC 1), 4=195 (LC 1), 5=198 (LC 1), 6=255 (LC 16), 7=298 (LC 16), 8=263 (LC 16)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/61, 2-3=-271/52, 3-5=-187/34, 5-6=-111/34, 6-7=-72/53, 7-8=-47/72, 8-9=-40/0

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) Unbalanced snow loads have been considered for this design.
4) Plate(s) at joint(s) 2, 2, 3 and 3 checked for a plus or minus 0 degree rotation about its center.
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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5, 6, 7, 8.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 4, 2 lb uplift at joint 2, 125 lb uplift at joint 3, 67 lb uplift at joint 5, 67 lb uplift at joint 6, 65 lb uplift at joint 7 and 54 lb uplift at joint 8.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 3, 5, 6, 7, 8.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb down and 107 lb up at 2-9-8, 56 lb down and 16 lb up at 2-9-8, 83 lb down and 55 lb up at 5-7-7, 54 lb down and 33 lb up at 8-5-6, 55 lb down and 24 lb up at 11-3-5, 55 lb down and 24 lb up at 14-1-4, and 55 lb down and 24 lb up at 16-11-3, and 49 lb down and 23 lb up at 19-9-2 on top 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
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-9=-70
Concentrated Loads (lb)
Vert: 10=31 (F)

May 13,2025

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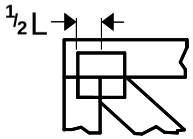
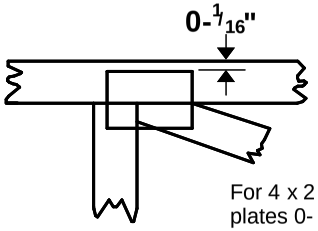
Symbols

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.

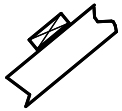
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

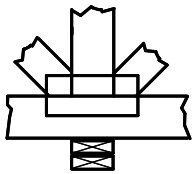
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

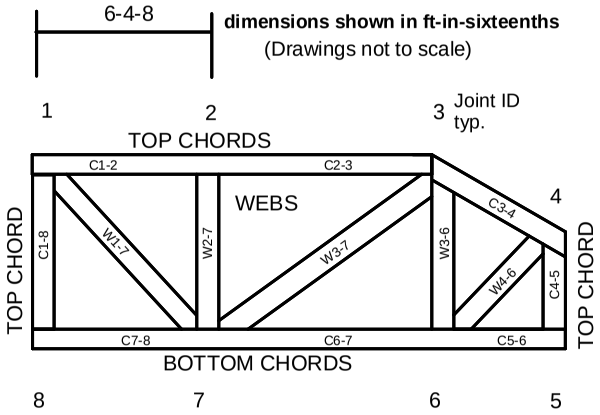


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.

MiTek®

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.