

Calculations required to be provided by the Permittee on site for all Inspections

MiTek, Inc.

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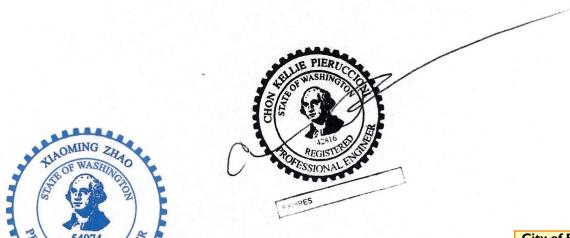
Re: 4449044

MKM EAST TOWN CROSSING BLDG C

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: R86844754 thru R86844840

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



February 24,2025

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

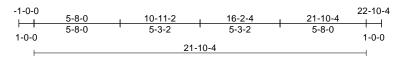
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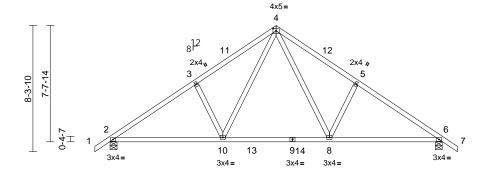


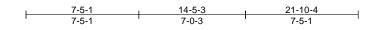
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	A01	Common	26	1	Job Reference (optional)	R86844754

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:08 ID:Gs_kr?NYFmQq?q5?7ml7spzjrze-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f









Scale = 1:75.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.10	8-10	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.18	2-10	>999	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.04	6	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 87 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-0-14 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=134 (LC 11)

Max Uplift 2=-36 (LC 12), 6=-36 (LC 13) Max Grav 2=1235 (LC 20), 6=1235 (LC 21)

(lb) - Maximum Compression/Maximum

FORCES

Tension

TOP CHORD 1-2=0/72, 2-3=-1593/44, 3-4=-1461/88, 4-5=-1461/88, 5-6=-1593/44, 6-7=0/72

BOT CHORD 2-10=-51/1335, 8-10=0/878, 6-8=0/1250 WEBS 4-8=-51/693, 5-8=-368/145, 4-10=-51/693,

3-10=-368/144

NOTES

- 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) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 10-11-2, Exterior(2R) 10-11-2 to 13-11-2, Interior (1) 13-11-2 to 22-10-4 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
- 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.
- 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.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 2 and 36 lb uplift at joint 6.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

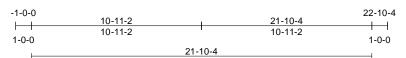
LOAD CASE(S) Standard

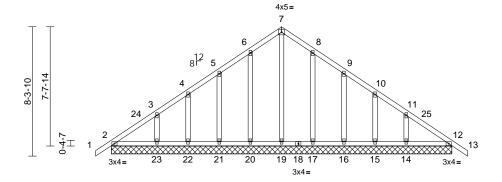




Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	A02	Common Supported Gable	4	1	Job Reference (optional)	R86844755

Run: 8.83 S. Feb 18.2025 Print: 8.830 S. Feb 18.2025 MiTek Industries. Inc. Mon Feb 24.11:40:09 ID:8AH5q?qOISCRZg?JMk_1Pqzjrz2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:73.9

Loading	(psf)	Spacing Plate Grip DOL	2-0-0	CSI TC	0.40	DEFL	in	(loc)	l/defl		PLATES	GRIP 185/148
TCLL (D. 15.0)	25.0	1	1.15	-		Vert(LL)	n/a	-	n/a		MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC		Vert(CT)	n/a		n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 103 lb	FT = 10%

LUMBER

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

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=21-10-4, 12=21-10-4,

14=21-10-4, 15=21-10-4, 16=21-10-4, 17=21-10-4, 19=21-10-4, 20=21-10-4,

21=21-10-4, 22=21-10-4, 23=21-10-4

Max Horiz 2=134 (LC 11)

Max Uplift 2=-13 (LC 8), 14=-47 (LC 13),

15=-31 (LC 13), 16=-37 (LC 13), 17=-34 (LC 13), 20=-35 (LC 12),

21=-37 (LC 12), 22=-31 (LC 12),

23=-48 (LC 12)

Max Grav 2=230 (LC 1), 12=230 (LC 1), 14=276 (LC 1), 15=174 (LC 1),

16=205 (LC 1), 17=207 (LC 1),

19=188 (LC 23), 20=207 (LC 1),

21=205 (LC 1), 22=174 (LC 1),

23=276 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/68, 2-3=-139/109, 3-4=-116/76,

> 4-5=-100/73, 5-6=-92/99, 6-7=-95/135, 7-8=-95/135, 8-9=-71/94, 9-10=-66/50

10-11=-79/28, 11-12=-113/69, 12-13=0/68

BOT CHORD 2-23=-51/100, 22-23=-51/100,

21-22=-51/100, 20-21=-51/100,

19-20=-51/100, 17-19=-51/100, 16-17=-51/100, 15-16=-51/100,

14-15=-51/100, 12-14=-51/100

WEBS

7-19=-148/42, 6-20=-167/59, 5-21=-162/63, 4-22=-144/54, 3-23=-211/78, 8-17=-167/58, 9-16=-162/63, 10-15=-144/54, 11-14=-211/78

21-10-4

NOTES

- 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) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 10-11-2, Corner(3R) 10-11-2 to 13-11-2, Exterior(2N) 13-11-2 to 22-10-4 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
- Truss designed for wind loads in the plane of the truss only. For stude 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.
- 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.
- 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
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 2, 35 lb uplift at joint 20, 37 lb uplift at joint 21, 31 lb uplift at joint 22, 48 lb uplift at joint 23, 34 lb uplift at joint 17, 37 lb uplift at joint 16, 31 lb uplift at joint 15 and 47 lb uplift at joint 14.

Page: 1

12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



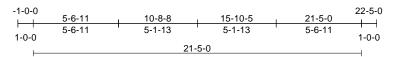
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

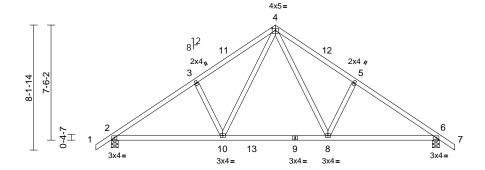


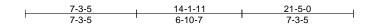
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	B01	Common	14	1	Job Reference (optional)	R86844756

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:09 ID:OArwHu9iARUIgf_JtCS7SJzjrye-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:75.2

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

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	0.41	Vert(LL)	-0.09	8-10	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.17	6-8	>999	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.04	6	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 85 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-1-15 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=131 (LC 11)

Max Uplift 2=-36 (LC 12), 6=-36 (LC 13) Max Grav 2=1210 (LC 20), 6=1209 (LC 21)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/72, 2-3=-1554/43, 3-4=-1425/86,

4-5=-1424/86, 5-6=-1554/43, 6-7=0/72 **BOT CHORD** 2-10=-49/1302, 8-10=0/857, 6-8=0/1219 WEBS

4-8=-50/674, 5-8=-359/142, 4-10=-50/676,

3-10=-359/141

NOTES

- 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) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 10-8-8, Exterior(2R) 10-8-8 to 13-8-8, Interior (1) 13-8-8 to 22-5-0 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
- 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.
- 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.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 2 and 36 lb uplift at joint 6.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

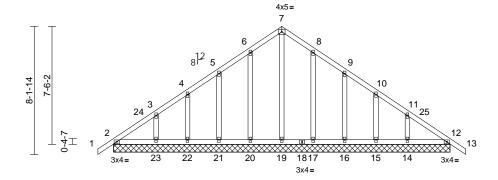


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	B02	Common Supported Gable	4	1	Job Reference (optional)	R86844757

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:09 ID:VyfGa8WW6fGUHGH4eV_9gezjryA-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



21-5-0



Scale = 1:73.3

Loading TCLL	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.13	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a		PLATES MT20	GRIP 185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	вс	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH							1	
BCDL	10.0			1							Weight: 100 lb	FT = 10%

21-5-0

LUMBER

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

BRACING

Structural wood sheathing directly applied or TOP CHORD

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size)

2=21-5-0, 12=21-5-0, 14=21-5-0, 15=21-5-0, 16=21-5-0, 17=21-5-0, 19=21-5-0, 20=21-5-0, 21=21-5-0, 22=21-5-0, 23=21-5-0

Max Horiz 2=131 (LC 11)

Max Uplift 2=-15 (LC 8), 14=-44 (LC 13),

15=-32 (LC 13), 16=-37 (LC 13), 17=-34 (LC 13), 20=-35 (LC 12), 21=-36 (LC 12), 22=-33 (LC 12),

23=-44 (LC 12)

Max Grav 2=223 (LC 1), 12=223 (LC 1), 14=255 (LC 1), 15=182 (LC 1), 16=203 (LC 1), 17=207 (LC 1), 19=187 (LC 23), 20=207 (LC 1),

21=203 (LC 1), 22=182 (LC 1), 23=255 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/68, 2-3=-134/106, 3-4=-114/76, TOP CHORD

4-5=-100/71. 5-6=-92/96. 6-7=-93/134. 7-8=-93/134, 8-9=-70/92, 9-10=-66/48. 10-11=-78/31, 11-12=-110/64, 12-13=0/68

BOT CHORD 2-23=-50/99, 22-23=-50/99, 21-22=-50/99, 20-21=-50/99, 19-20=-50/99, 17-19=-50/99,

16-17=-50/99, 15-16=-50/99, 14-15=-50/99,

12-14=-50/99

WEBS 7-19=-147/40, 6-20=-168/59, 5-21=-161/63,

4-22=-149/56, 3-23=-197/74, 8-17=-168/58, 9-16=-161/63, 10-15=-149/56, 11-14=-197/74

NOTES

-1-0-0

1-0-0

- 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) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 10-8-8, Corner(3R) 10-8-8 to 13-8-8, Exterior(2N) 13-8-8 to 22-5-0 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
- 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.
- 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.
- 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
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 2, 35 lb uplift at joint 20, 36 lb uplift at joint 21, 33 lb uplift at joint 22, 44 lb uplift at joint 23, 34 lb uplift at joint 17, 37 lb uplift at joint 16, 32 lb uplift at joint 15 and 44 lb uplift at joint 14.

12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Page: 1

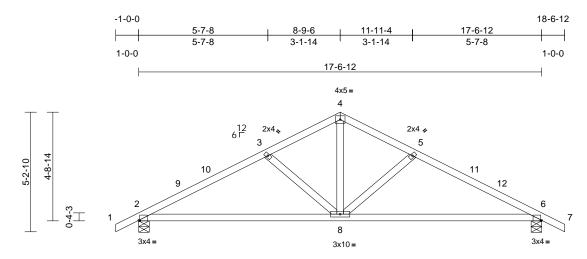
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	C01	Common	14	1	Job Reference (optional)	R86844758

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:10 ID:O_QC_Kmh96vWIVN6NPs413zjrxr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



8-9-6 17-6-12 8-9-6 8-9-6

Scale = 1:50.2

Plate Offsets (X, Y): [2:0-0-8,Edge], [6:0-0-8,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	0.45	Vert(LL)	-0.11	6-8	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.25	6-8	>811	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.03	6	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 60 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-0-14 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=-55 (LC 15)

Max Uplift 2=-37 (LC 14), 6=-37 (LC 15)

Max Grav 2=1021 (LC 21), 6=1021 (LC 22)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/56, 2-3=-1500/134, 3-4=-1066/107, TOP CHORD 4-5=-1066/107, 5-6=-1500/134, 6-7=0/56

BOT CHORD 2-8=-57/1243, 6-8=-60/1243

WEBS 4-8=-33/690, 5-8=-517/117, 3-8=-517/117

NOTES

- 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) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 8-9-6, Exterior(2R) 8-9-6 to 12-0-11, Interior (1) 12-0-11 to 18-6-12 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
- 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.
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 2 and 37 lb uplift at joint 6.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

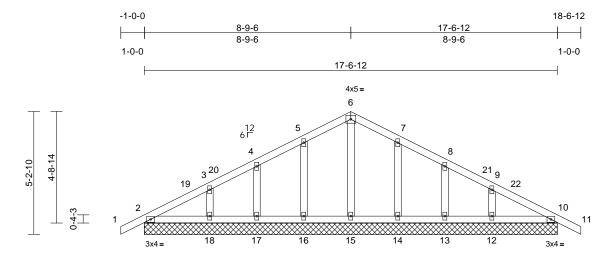




Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	C02	Common Supported Gable	4	1	Job Reference (optional)	R86844759

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:10 ID:w3OFLoyjO0wEDycBJm8rgRzjrxb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





17-6-12 Scale = 1:49

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 66 lb	FT = 10%

LUMBER

2x4 HF No.2 OTHERS

BRACING

TOP CHORD

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size)

12=17-6-12, 13=17-6-12,

18=17-6-12

14=-27 (LC 15), 16=-27 (LC 14), 17=-23 (LC 14), 18=-31 (LC 14)

18=284 (LC 21)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/55, 2-3=-86/53, 3-4=-65/46,

10-11=0/55

15-16=-26/66, 14-15=-26/66, 13-14=-26/66, 12-13=-26/66, 10-12=-26/66

WEBS

3-18=-225/86, 7-14=-257/68, 8-13=-222/61,

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

Structural wood sheathing directly applied or

6-0-0 oc purlins.

2=17-6-12, 10=17-6-12,

14=17-6-12, 15=17-6-12, 16=17-6-12, 17=17-6-12,

Max Horiz 2=-55 (LC 19)

Max Uplift 2=-7 (LC 15), 10=-12 (LC 15),

12=-30 (LC 15), 13=-23 (LC 15),

Max Grav 2=219 (LC 20), 10=219 (LC 20), 12=284 (LC 22), 13=256 (LC 22),

14=299 (LC 22), 15=172 (LC 21), 16=299 (LC 21), 17=256 (LC 21),

TOP CHORD

4-5=-66/72, 5-6=-75/110, 6-7=-75/110, 7-8=-66/72, 8-9=-65/38, 9-10=-68/37,

BOT CHORD 2-18=-26/66, 17-18=-26/66, 16-17=-26/66,

6-15=-133/1, 5-16=-257/68, 4-17=-222/61,

9-12=-225/86

referenced standard ANSI/TPI 1. LOAD CASE(S) Standard

13) This truss is designed in accordance with the 2018

International Building Code section 2306.1 and

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) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 8-9-6, Corner(3R) 8-9-6 to 11-9-6, Exterior(2N) 11-9-6 to 18-6-12 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

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. 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.
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- 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.
- * 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) All bearings are assumed to be HF No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 2, 12 lb uplift at joint 10, 27 lb uplift at joint 16, 23 lb uplift at joint 17, 31 lb uplift at joint 18, 27 lb uplift at joint 14, 23 lb uplift at joint 13 and 30 lb uplift at joint 12.



February 24,2025



NOTES

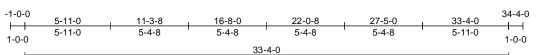
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

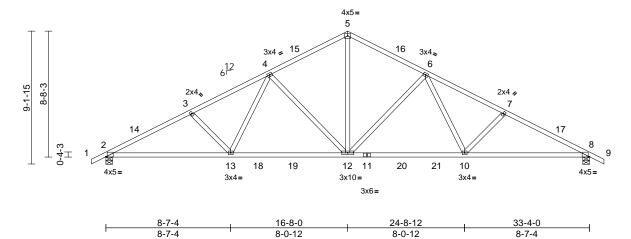
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	D01	Common	7	1	Job Reference (optional)	R86844760

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:10 ID:W1mzrOKA5YqrRjT8dnC6Q_zjrx6-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:79.4 Plate Offsets (X, Y): [2:0-1-0,Edge], [8:0-1-0,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	0.72	Vert(LL)	-0.24	12-13	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.45	12-13	>886	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.14	8	n/a	n/a		
BCLL	0.0*	Code	IBC2018/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

2-2-1 oc purlins.

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=-100 (LC 19)

Max Uplift 2=-55 (LC 14), 8=-55 (LC 15)

Max Grav 2=1804 (LC 2), 8=1804 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/56, 2-3=-3144/85, 3-4=-2898/72, TOP CHORD

4-5=-2025/109, 5-6=-2025/109,

6-7=-2898/72, 7-8=-3144/86, 8-9=0/56

BOT CHORD 2-13=-116/2733, 12-13=-39/2250,

10-12=0/2250, 8-10=-16/2733

WEBS 5-12=-7/1396, 6-12=-857/125, 6-10=0/623,

7-10=-373/120, 4-12=-857/125, 4-13=0/623,

3-13=-373/120

NOTES

- 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) -1-0-0 to 2-4-0, Interior (1) 2-4-0 to 16-8-0, Exterior(2R) 16-8-0 to 20-0-0, Interior (1) 20-0-0 to 34-4-0 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
- 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.
- This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 2 and 55 lb uplift at joint 8.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



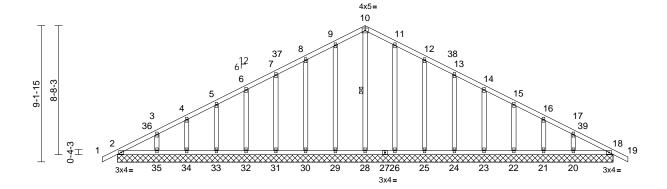
Page: 1



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	D02	Common Supported Gable	2	1	Job Reference (optional)	R86844761

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:10 ID:aBi3ZLjFZNsIGewIVVncjjzjrwc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





33-4-0 Scale = 1:77.5

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.01	18	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 162 lb	FT = 10%

BRACING	
OTHERS	2x4 HF No.2
BOT CHORD	2x4 HF No.2
TOP CHORD	2x4 HF No.2
LUMBEK	

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

WFBS

1 Row at midpt 10-28 REACTIONS (size) 2=33-4-0, 18=33-4-0, 20=33-4-0,

21=33-4-0, 22=33-4-0, 23=33-4-0, 24=33-4-0, 25=33-4-0, 26=33-4-0, 28=33-4-0, 29=33-4-0, 30=33-4-0, 31=33-4-0, 32=33-4-0, 33=33-4-0, 34=33-4-0. 35=33-4-0

Max Horiz 2=-100 (LC 15) Max Uplift 2=-8 (LC 15), 20=-30 (LC 15), 21=-24 (LC 15), 22=-25 (LC 15)

23=-25 (LC 15), 24=-24 (LC 15), 25=-27 (LC 15), 26=-22 (LC 15), 29=-24 (LC 14), 30=-26 (LC 14), 31=-25 (LC 14), 32=-25 (LC 14), 33=-25 (LC 14), 34=-24 (LC 14),

35=-30 (LC 14) Max Grav 2=218 (LC 20), 18=218 (LC 20),

20=252 (LC 22), 21=183 (LC 1), 22=205 (LC 22), 23=199 (LC 1), 24=224 (LC 22), 25=276 (LC 22), 26=292 (LC 22), 28=197 (LC 27), 29=292 (LC 21), 30=276 (LC 21), 31=224 (LC 21), 32=199 (LC 1), 33=205 (LC 21), 34=183 (LC 1),

35=252 (LC 21) (lb) - Maximum Compression/Maximum TOP CHORD 1-2=0/55, 2-3=-127/61, 3-4=-100/59, 4-5=-81/69, 5-6=-66/81, 6-7=-58/97, 7-8=-65/119, 8-9=-84/152, 9-10=-102/183,

10-11=-102/183, 11-12=-84/152, 12-13=-65/119, 13-14=-51/87, 14-15=-52/54, 15-16=-50/32, 16-17=-68/23, 17-18=-94/39,

18-19=0/55

BOT CHORD 2-35=-48/105, 34-35=-48/105, 33-34=-48/105, 32-33=-48/105, 31-32=-48/105, 30-31=-48/105,

29-30=-48/105, 28-29=-48/105, 26-28=-48/105, 25-26=-48/105, 24-25=-48/105, 23-24=-48/105, 22-23=-48/105, 21-22=-48/105, 20-21=-48/105, 18-20=-48/105

WEBS 10-28=-157/38, 9-29=-252/51, 8-30=-236/58, 7-31=-184/55, 6-32=-159/56, 5-33=-163/57, 4-34=-149/53, 3-35=-195/82, 11-26=-252/51, 12-25=-236/58, 13-24=-184/55,

14-23=-159/56, 15-22=-163/57 16-21=-149/53, 17-20=-195/82

NOTES

- 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) -1-0-0 to 2-4-0, Exterior(2N) 2-4-0 to 16-8-0, Corner(3R) 16-8-0 to 20-0-0, Exterior(2N) 20-0-0 to 34-4-0 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
- 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.
- 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.
- This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.

Page: 1

- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 2, 24 lb uplift at joint 29, 26 lb uplift at joint 30, 25 lb uplift at joint 31, 25 lb uplift at joint 32, 25 lb uplift at joint 33, 24 lb uplift at joint 34, 30 lb uplift at joint 35, 22 lb uplift at joint 26, 27 lb uplift at joint 25, 24 lb uplift at joint 24, 25 Ib uplift at joint 23, 25 lb uplift at joint 22, 24 lb uplift at joint 21 and 30 lb uplift at joint 20.



February 24,2025

Continued on page 2

Tension

FORCES

· Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	D02	Common Supported Gable	2	1	Job Reference (optional)	R86844761

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:10 ID: a Bi3ZLjFZNsIGewIVVncjjzjrwc-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? fill a RfC for the control of th

Page: 2

13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

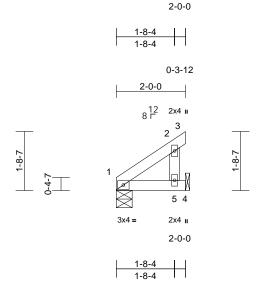
LOAD CASE(S) Standard

Roseville, CA 95661 916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	J01	Jack-Closed	10	1	Job Reference (optional)	R86844762

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:11 ID:OsrsUZaDFOi4LZnysyKt9gziukt-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



0-3-12 Scale = 1:33.4

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	0.05	Vert(LL)	0.00	1-5	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	1-5	>999	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0			1							Weight: 6 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

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) 1=0-5-8, 4= Mechanical

Max Horiz 1=36 (LC 12) Max Uplift 4=-17 (LC 12)

Max Grav 1=97 (LC 1), 4=98 (LC 1) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-2=-49/33, 2-3=-14/0 **BOT CHORD** 1-5=0/0, 4-5=0/0

WEBS 2-5=-93/71

NOTES

- 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
- 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Refer to girder(s) for truss to truss connections.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

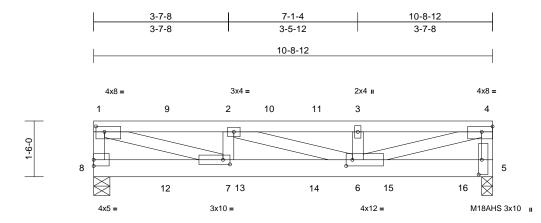
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	L01	Flat Girder	2	3	Job Reference (optional)	R86844763

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:11 ID:EEU1BV_XdBenEkPNIMuXUOzitWt-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



3-7-8	7-1-4	10-8-12
3-7-8	3-5-12	3-7-8

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

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	0.53	Vert(LL)	-0.09	6-7	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.23	6-7	>541	180	M18AHS	145/140
TCDL	15.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.01	5	n/a	n/a	1	
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 151 lb	FT = 10%

LUMBER

2x4 HF No 2 TOP CHORD BOT CHORD 2x6 DF 2400F 2 0F **WEBS** 2x4 HF No.2

BRACING

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

bracing.

REACTIONS (size) 5=0-3-8, 8=0-5-4

Max Horiz 8=-28 (LC 6)

Max Grav 5=5914 (LC 1), 8=5038 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD

1-8=-3927/0, 1-2=-11319/0, 2-3=-10995/0, 3-4=-10995/0 4-5=-3807/0

7-8=0/781, 6-7=0/11319, 5-6=0/858 BOT CHORD WFBS

4-6=0/10654, 2-7=-782/0, 1-7=0/11075,

2-6=-346/0, 3-6=-807/0

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 - Top chords connected as follows: 2x4 1 row at 0-6-0
 - Bottom chords connected as follows: 2x6 2 rows staggered at 0-4-0 oc.
- Web connected as follows: 2x4 1 row at 0-9-0 oc.
- 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.
- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph: TCDI =4 2psf: BCDI =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.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 48 lb down and 37 lb up at 1-11-12 on top chord, and 1544 lb down and 143 lb up at 1-11-4, 78 lb down and 29 lb up at 2-0-8. 1544 lb down and 143 lb up at 3-11-4, 78 lb down and 29 lb up at 4-0-8, 1544 lb down and 143 lb up at 5-11-4, 78 lb down and 29 lb up at 6-0-8, 1544 lb down and 143 lb up at 7-11-4, 78 lb down and 29 lb up at 8-0-8, and 1548 lb down and 141 lb up at 9-11-4, and 83 lb down and 27 lb up at 10-0-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft) Vert: 1-4=-248, 5-8=-20 Concentrated Loads (lb)

Vert: 9=-34 (B), 12=-1623 (F=-1544, B=-78), 13=-1623 (F=-1544, B=-78), 14=-1623 (F=-1544, B=-78), 15=-1623 (F=-1544, B=-78), 16=-1631 (F=-1548, B=-83)



February 24,2025

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M01	Monopitch	4	1	Job Reference (optional)	R86844764

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:11 ID:jpvWi?rjOglzlb5lgOBosrzivEo-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

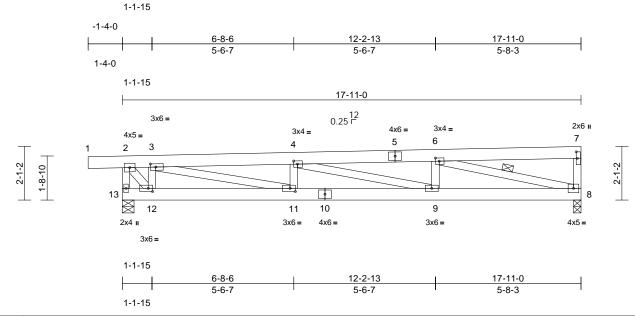


Plate Offsets (X, Y): [3:0-2-8,0-1-8], [4:0-1-12,0-1-8], [6:0-1-12,0-1-8], [7:0-3-1,0-1-4], [11:0-2-8,0-1-8], [12:0-2-0,0-1-8]

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	0.24	Vert(LL)	-0.10	9-11	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.21	9-11	>998	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	8	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 105 lb	FT = 10%

LUMBER

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

BRACING

FORCES

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 9-2-3 oc

bracing.

WEBS 1 Row at midpt 6-8 REACTIONS (size) 8=0-3-8, 13=0-5-8

Max Horiz 13=41 (LC 9) Max Uplift 8=-50 (LC 12), 13=-93 (LC 8)

Max Grav 8=876 (LC 1), 13=1005 (LC 1)

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-13=-1087/290, 1-2=0/4, 2-3=-888/246,

3-4=-2507/690, 4-6=-2232/626, 6-7=-116/50,

7-8=-215/100

12-13=-75/79, 11-12=-293/890,

9-11=-729/2501, 8-9=-642/2228 **WEBS** 3-12=-851/324, 4-11=-315/186, 6-9=0/274,

6-8=-2195/618, 4-9=-281/90,

3-11=-465/1653, 2-12=-366/1348

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
- 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 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 13 and 50 lb uplift at joint 8.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

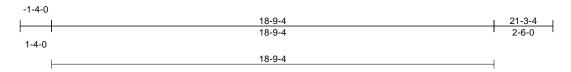
LOAD CASE(S) Standard

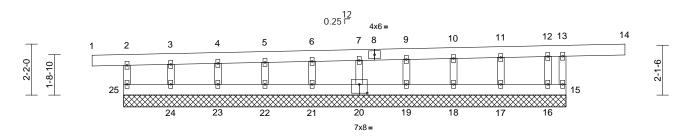


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M02	Monopitch Supported Gable	2	1	Job Reference (optional)	R86844765

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:11 ID:8IDnA4vwfjOUI7qDqsmQQPzivDQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





18-9-4

Scale = 1:48.9

Plate Offsets (X, Y): [20:0-4-0,0-4-8]

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	0.37	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	15	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0			1							Weight: 101 lb	FT = 10%

LUMBER

2x6 DF No 2 TOP CHORD BOT CHORD 2x6 DF 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

REACTIONS (size)

15=18-9-4, 16=18-9-4, 17=18-9-4, 18=18-9-4, 19=18-9-4, 20=18-9-4, 21=18-9-4, 22=18-9-4, 23=18-9-4, 24=18-9-4, 25=18-9-4

Max Horiz 25=43 (LC 9)

Max Uplift 15=-123 (LC 9), 16=-342 (LC 18),

17=-3 (LC 8), 18=-14 (LC 12), 19=-11 (LC 12), 20=-12 (LC 12), 21=-12 (LC 8), 22=-11 (LC 12),

23=-16 (LC 8), 24=-6 (LC 9),

25=-63 (LC 8)

Max Grav 15=831 (LC 18), 16=83 (LC 9), 17=158 (LC 1), 18=212 (LC 1),

19=198 (LC 1), 20=200 (LC 1), 21=200 (LC 1), 22=199 (LC 1),

23=206 (LC 1), 24=164 (LC 1),

25=295 (LC 18)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

2-25=-287/97, 1-2=0/4, 2-3=-22/28, 3-4=-20/29, 4-5=-18/29, 5-6=-17/29, 6-7=-15/29, 7-9=-13/29, 9-10=-11/29

10-11=-9/29, 11-12=-7/30, 12-13=-8/39, 13-14=-7/0, 13-15=-844/248

BOT CHORD 24-25=-38/39, 23-24=-38/39, 22-23=-38/39,

21-22=-38/39, 19-21=-38/39, 18-19=-38/39, 17-18=-38/39, 16-17=-38/39, 15-16=-38/39 **WEBS**

3-24=-116/76, 4-23=-168/82, 5-22=-159/78, 6-21=-160/78, 7-20=-160/78, 9-19=-158/77, 10-18=-172/83, 11-17=-117/62, 12-16=-76/386

NOTES

- 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
- 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.
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 (||) MT20 unless otherwise indicated. 6)
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * 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.
- 12) All bearings are assumed to be HF No.2.

- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 25, 123 lb uplift at joint 15, 6 lb uplift at joint 24, 16 lb uplift at joint 23, 11 lb uplift at joint 22, 12 lb uplift at joint 21. 12 lb uplift at joint 20. 11 lb uplift at joint 19. 14 lb uplift at joint 18, 3 lb uplift at joint 17 and 342 lb uplift at ioint 16.
- 14) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M03	Monopitch Girder	2	2	Job Reference (optional)	R86844766

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:12 ID:ukc4irWS5moaRDsyr4OiAEziuvH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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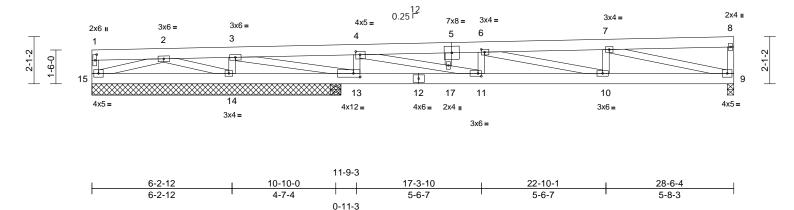


Plate Offsets (X, Y): [1:0-3-1,0-0-8], [4:0-2-4,0-1-12], [6:0-1-12,0-1-8], [11:0-1-12,0-1-8], [13:0-3-8,0-2-0]

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	0.55	Vert(LL)	-0.07	10-11	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.14	10-11	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.01	9	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 319 lb	FT = 10%

LUMBER

2x6 DF 2400F 2 0F TOP CHORD BOT CHORD 2x6 DF No.2 **WEBS** 2x4 HF No.2 **OTHERS** 2x4 HF No.2

BRACING

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc

REACTIONS (size) 9=0-3-8, 13=11-0-12, 14=11-0-12,

15=11-0-12 Max Horiz 15=41 (LC 7)

Max Uplift 9=-59 (LC 8), 13=-363 (LC 4),

14=-251 (LC 24), 15=-107 (LC 22) Max Grav

9=910 (LC 1), 13=5599 (LC 1), 14=4039 (LC 1), 15=1753 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-15=-1085/84. 8-9=-234/44. 1-2=-238/1. TOP CHORD

2-3=-55/793, 3-4=-78/1181, 4-6=-2888/218,

6-7=-2332/165, 7-8=-118/17

14-15=-143/1859, 13-14=-763/62, BOT CHORD

11-13=-1138/88, 10-11=-201/2843,

9-10=-147/2326

3-14=-3051/259, 4-13=-5197/398,

6-11=-946/164, 7-10=0/353, 7-9=-2293/157,

6-10=-629/56, 4-11=-296/4086, 3-13=-383/26, 2-15=-1748/163,

2-14=-2791/209

NOTES

WEBS

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, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

- Web connected as follows: 2x4 1 row at 0-6-0 oc. 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.
- 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
- 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.
- 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
- Provide adequate drainage to prevent water ponding.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 15, 59 lb uplift at joint 9, 251 lb uplift at joint 14 and 363 lb uplift at joint 13
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 107 lb down and 35 lb up at 15-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 15) Studding applied to ply: 1(Front)

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 9-15=-20, 1-5=-675, 5-8=-80

Concentrated Loads (lb)

Vert: 17=-53 (B)



February 24,2025

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M04	Monopitch Girder	14	1	Job Reference (optional)	R86844767

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:12 ID:dTpTsCI?DGgsqnULJmH_7zzivkV-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

5-6-7

Page: 1



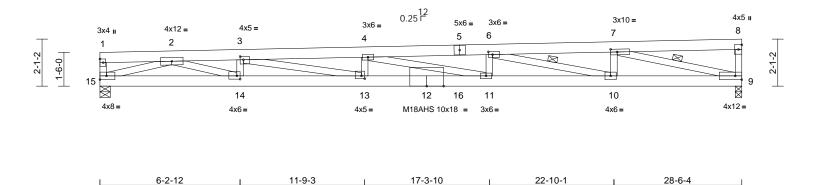


Plate Offsets (X, Y): [3:0-1-12,0-1-12], [6:0-2-4,0-1-8], [7:0-3-8,0-1-8], [8:Edge,0-3-8], [13:0-1-12,0-1-8], [14:0-1-12,0-1-12]

5-6-7

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	0.91	Vert(LL)	-0.55	11-13	>616	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.88	Vert(CT)	-1.24	11-13	>274	180	M18AHS	169/162
TCDL	15.0	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.13	9	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 159 lb	FT = 10%

5-6-7

LUMBER

2x6 DF No 2 TOP CHORD BOT CHORD 2x6 DF 2400F 2.0E **WEBS** 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-5 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

WEBS 1 Row at midpt 6-10, 7-9 REACTIONS (size) 9=0-3-8, 15=0-5-8 Max Horiz 15=41 (LC 7)

> Max Uplift 9=-145 (LC 8), 15=-132 (LC 4) Max Grav 9=1628 (LC 1), 15=1582 (LC 1)

6-2-12

(lb) - Maximum Compression/Maximum FORCES Tension

TOP CHORD 1-15=-213/35, 8-9=-230/44, 1-2=-237/8,

2-3=-6560/569, 3-4=-8745/860,

4-6=-8414/876, 6-7=-4877/467, 7-8=-194/27 14-15=-341/3714, 13-14=-561/6558,

11-13=-849/8739, 10-11=-862/8410,

9-10=-450/4873

WEBS 3-14=-942/162, 2-14=-234/3028,

2-15=-3704/363, 3-13=-295/2386 4-13=-300/100, 4-11=-497/330, 6-11=-22/659,

6-10=-3748/425, 7-10=-20/957,

7-9=-4857/460

NOTES

BOT CHORD

- 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- 3) Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 15 and 145 lb uplift at joint 9.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 319 lb down and 61 lb up at 15-11-4, and 319 lb down and 61 lb up at 15-11-4 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 9-15=-20, 1-8=-80 Concentrated Loads (lb)

Vert: 16=-387 (F=-193, B=-193)



5-8-3

February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

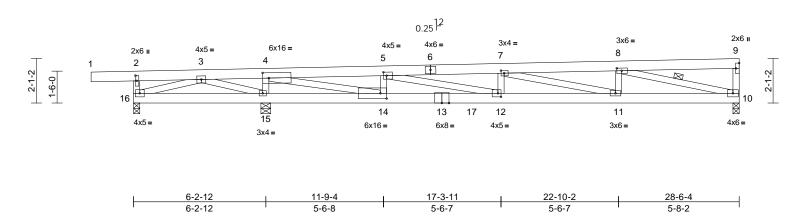


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M05	Monopitch Girder	4	1	Job Reference (optional)	R86844768

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:12 ID:JVjG_xzdunxKF1eORMqQC_zivmC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:54.3

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

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	0.91	Vert(LL)	-0.24	12-14	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.53	12-14	>504	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 164 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No 2

2x6 DF No.2 *Except* 13-10:2x6 DF 2400F **BOT CHORD**

2.0E WEBS 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-2-5 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 4-9-2 oc

bracing.

WFBS 1 Row at midpt 8-10

REACTIONS 10=0-3-8, 15=0-5-8, 16=0-3-8 (size)

Max Horiz 16=41 (LC 5)

Max Uplift 10=-97 (LC 4), 15=-214 (LC 8), 16=-252 (LC 33)

Max Grav 10=1118 (LC 1), 15=2334 (LC 1),

16=160 (LC 14)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-16=-401/107, 9-10=-218/43, 1-2=0/6,

2-3=-38/117. 3-4=-233/2141. 4-5=-2412/269.

5-7=-4614/517. 7-8=-3065/299. 8-9=-143/22 BOT CHORD 15-16=-1235/138, 14-15=-2134/241,

12-14=-256/2405, 11-12=-502/4610,

10-11=-281/3061

WEBS 4-15=-1709/235, 3-15=-962/127,

3-16=-98/1193, 5-14=-842/150,

4-14=-508/4639, 5-12=-252/2264

7-12=-156/389, 7-11=-1659/227, 8-11=0/449,

8-10=-3031/291

NOTES

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.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 252 lb uplift at joint 16, 97 lb uplift at joint 10 and 214 lb uplift at joint 15.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 319 lb down and 61 lb up at 15-11-4, and 319 lb down and 61 lb up at 15-11-4 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1 15

Uniform Loads (lb/ft)

Vert: 10-16=-20, 1-2=-80, 2-9=-80

Concentrated Loads (lb)

Vert: 17=-387 (F=-193, B=-193)



February 24,2025

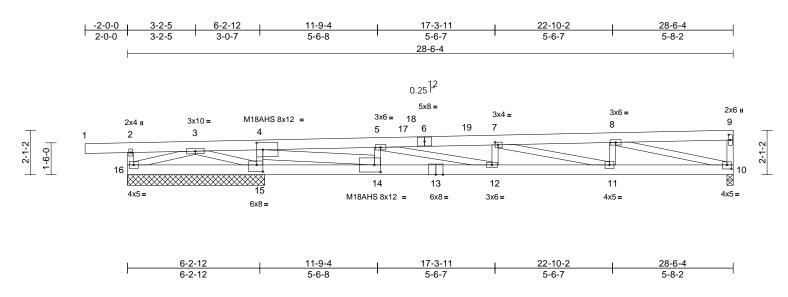
M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M06	Monopitch Girder	2	2	Job Reference (optional)	R86844769

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:13 ID:8VeuBcEbOHjqXVods8rr9Gziumc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:54.3

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

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	0.83	Vert(LL)	-0.26	12-14	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.51	12-14	>519	180	M18AHS	145/140
TCDL	15.0	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.03	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 337 lb	FT = 10%

LUMBER

2x6 DF 2400F 2 0F TOP CHORD BOT CHORD 2x6 DF No.2

WEBS 2x4 HF No.2 *Except* 4-14:2x6 DF 2400F 2.0E

BRACING

TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 5-0-0 oc

bracing.

REACTIONS 10=0-3-8, 15=6-5-8, 16=6-5-8 (size)

Max Horiz 16=185 (LC 36)

Max Uplift 10=-167 (LC 34), 15=-835 (LC 42),

16=-413 (LC 33)

Max Grav 10=1789 (LC 1), 15=10510 (LC 1),

16=388 (LC 38)

FORCES (lb) - Maximum Compression/Maximum

Tension

2-16=-1221/293, 9-10=-264/85, 1-2=0/6,

TOP CHORD 2-3=-301/374, 3-4=-3014/8568,

4-5=-9093/3118, 5-7=-9812/3062,

7-8=-5438/1927, 8-9=-664/595

15-16=-3988/2168, 14-15=-8348/2691, BOT CHORD 12-14=-2400/8503, 11-12=-2341/9771,

10-11=-1257/5407

WEBS 4-15=-7956/1649, 5-14=-3772/872

> 7-12=-176/183, 8-11=-196/1210, 8-10=-5394/1242, 7-11=-4501/1118,

> 5-12=-537/1364, 4-14=-3594/17018,

3-16=-1494/3250, 3-15=-5934/1980

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, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Web connected as follows: 2x4 - 1 row at 0-4-0 oc, 2x6 -2 rows staggered at 0-9-0 oc.

- 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.
- 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) -2-0-0 to 13-0-0, Exterior (2) 13-0-0 to 13-4-8, Corner (3) 13-4-8 to 28-4-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 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.
- 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
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 16, 167 lb uplift at joint 10 and 835 lb uplift at joint 15.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 6-5-8 for 464.5 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 10-16=-20, 1-2=-80, 2-19=-675, 9-19=-80



February 24,2025



M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

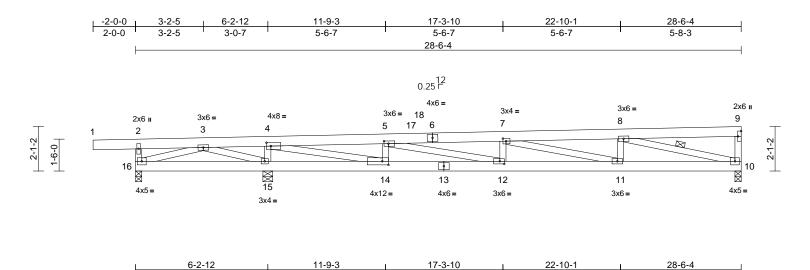


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M07	Monopitch	8	1	Job Reference (optional)	R86844770

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:13 ID:qwPSFzjWZDKiHHckOhsL5fzivg4-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

5-6-7

Page: 1



Scale = 1:54.3

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

5-6-7

6-2-12

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	0.68	Vert(LL)	-0.20	12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.39	12-14	>679	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 164 lb	FT = 10%

5-6-7

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 5-5-2 oc

bracing.

WEBS 1 Row at midpt 8-10

REACTIONS (size) 10=0-3-8, 15=0-5-8, 16=0-3-8

Max Horiz 16=41 (LC 9)

Max Uplift 10=-58 (LC 8), 15=-111 (LC 12),

16=-59 (LC 8)

10=974 (LC 1), 15=2000 (LC 1),

16=238 (LC 18)

FORCES (lb) - Maximum Compression/Maximum

Tension

2-16=-403/122, 1-2=0/6, 2-3=-39/99,

3-4=-360/1741, 4-5=-1746/344,

5-7=-3309/635, 7-8=-2570/499, 8-9=-126/43,

9-10=-219/77

BOT CHORD 15-16=-946/163, 14-15=-1734/345,

12-14=-349/1739, 11-12=-636/3305, 10-11=-496/2565

WEBS 4-15=-1431/349, 3-15=-839/213,

3-16=-149/903, 4-14=-675/3550, 5-14=-732/224, 5-12=-295/1608,

7-12=-242/129, 7-11=-763/145, 8-11=0/347,

8-10=-2534/477

NOTES

TOP CHORD

- 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) -2-0-0 to 13-0-0, Exterior (2) 13-0-0 to 13-4-8, Corner (3) 13-4-8 to 28-4-8 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 16, 58 lb uplift at joint 10 and 111 lb uplift at joint 15.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



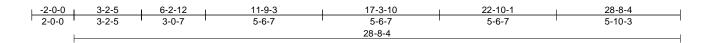
5-8-3

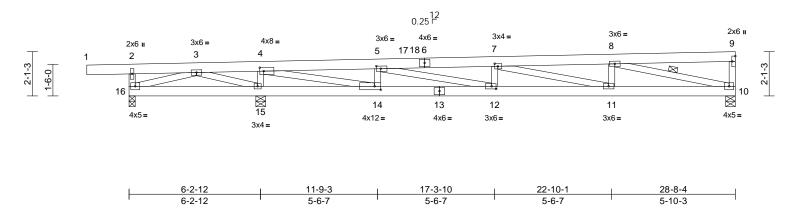


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M08	Monopitch	2	1	Job Reference (optional)	R86844771

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:13 ID:RwmaLGiRhV0q?yDdhNif_KzivX3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:54.5

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

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	0.69	Vert(LL)	-0.20	12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.40	12	>667	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 165 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-11-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 5-4-1 oc

bracing.

WEBS 1 Row at midpt 8-10

REACTIONS (size) 10=0-5-8, 15=0-5-8, 16=0-3-8

Max Horiz 16=41 (LC 9)

Max Uplift 10=-58 (LC 8), 15=-113 (LC 12),

16=-61 (LC 3)

10=980 (LC 1), 15=2022 (LC 1),

16=233 (LC 18)

FORCES (lb) - Maximum Compression/Maximum

Tension

2-16=-403/121, 1-2=0/6, 2-3=-39/101,

TOP CHORD 3-4=-367/1791, 4-5=-1736/339,

5-7=-3341/636, 7-8=-2635/507, 8-9=-133/44,

9-10=-227/80

15-16=-975/167, 14-15=-1785/352,

12-14=-344/1729, 11-12=-637/3337,

10-11=-505/2630 **WEBS** 4-15=-1443/349, 3-15=-862/216,

3-16=-153/931, 8-10=-2589/484,

5-14=-742/224, 7-12=-250/130, 8-11=0/344,

7-11=-729/137, 5-12=-301/1651,

4-14=-677/3591

NOTES

BOT CHORD

- 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) -2-0-0 to 13-0-0, Exterior (2) 13-0-0 to 13-6-8, Corner (3) 13-6-8 to 28-6-8 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.
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 16, 58 lb uplift at joint 10 and 113 lb uplift at joint 15.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

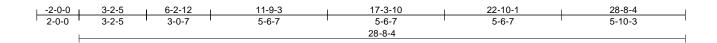


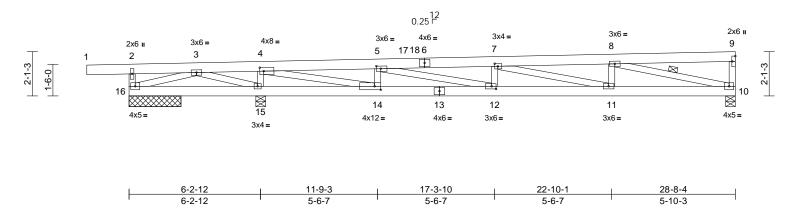


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M09	Monopitch	2	1	Job Reference (optional)	R86844772

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:14 ID:XnzylL896ZTAE_qSXoK1AwzivTv-RfC?PsB70Hq3NSqPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:54.5

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

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	0.69	Vert(LL)	-0.20	12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.40	12	>667	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 165 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 5-4-1 oc

bracing.

WEBS 1 Row at midpt 8-10

REACTIONS (size)

10=0-5-8, 15=0-5-8, 16=2-5-8

Max Horiz 16=41 (LC 11)

Max Uplift 10=-58 (LC 8), 15=-113 (LC 12),

16=-61 (LC 3)

10=980 (LC 1), 15=2022 (LC 1),

16=233 (LC 18)

FORCES (lb) - Maximum Compression/Maximum

Tension

2-16=-403/121, 1-2=0/6, 2-3=-39/101,

TOP CHORD 3-4=-367/1791, 4-5=-1736/339,

5-7=-3341/636, 7-8=-2635/507, 8-9=-133/44,

9-10=-227/80

BOT CHORD 15-16=-975/167, 14-15=-1785/352, 12-14=-344/1729, 11-12=-637/3337,

10-11=-505/2630

WEBS 4-15=-1443/349, 3-15=-862/216,

3-16=-153/931, 5-14=-742/224,

7-12=-250/130, 8-11=0/344, 8-10=-2589/484,

7-11=-729/137, 5-12=-301/1651,

4-14=-677/3591

- 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) -2-0-0 to 13-0-0, Exterior (2) 13-0-0 to 13-6-8, Corner (3) 13-6-8 to 28-6-8 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.
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 16, 58 lb uplift at joint 10 and 113 lb uplift at joint 15.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



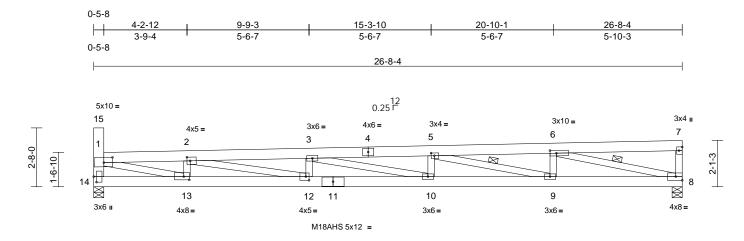
February 24,2025

NOTES

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M10	Monopitch	24	1	Job Reference (optional)	R86844773

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:14 ID:xnUxZBYXrvnlMhLMDArmBzivMw-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



	4-2-12	9-9-3	15-3-10	20-10-1	26-8-4	
Scale - 1:52 2	4-2-12	5-6-7	5-6-7	5-6-7	5-10-3	٦

Plate Offsets (X, Y): [1:0-4-12,0-2-12], [2:0-1-12,0-2-0], [5:0-1-12,0-1-8], [6:0-3-8,0-1-8], [7:Edge,0-3-8], [12:0-1-12,0-2-0], [13:0-3-0,0-1-12], [14:0-3-0,0-1-8]

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	0.58	Vert(LL)	-0.40	10-12	>787	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.81	10-12	>392	180	M18AHS	169/162
TCDL	15.0	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.08	8	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 152 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No 2 **BOT CHORD** 2x6 DF 2400F 2.0E

WEBS 2x4 HF No.2 *Except* 15-14:2x6 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-8-5 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 9-0-13 oc

bracing.

WEBS 1 Row at midpt 6-8, 5-9 REACTIONS (size) 8=0-5-8, 14=0-5-8

Max Horiz 14=81 (LC 9)

Max Uplift 8=-80 (LC 12), 14=-75 (LC 8)

Max Grav 8=1327 (LC 1), 14=1309 (LC 1)

(lb) - Maximum Compression/Maximum FORCES Tension

TOP CHORD

7-8=-234/85, 1-2=-3960/867 2-3=-6150/1278, 3-5=-6015/1226,

5-6=-3890/779, 6-7=-171/53, 1-14=-1302/285, 1-15=0/0

BOT CHORD 13-14=-290/668, 12-13=-915/3955, 10-12=-1321/6145, 9-10=-1265/6010,

8-9=-814/3886

WEBS 2-13=-847/259, 1-13=-716/3407,

3-12=-393/180, 2-12=-494/2238, 5-10=0/243,

6-9=-28/611, 6-8=-3849/791, 5-9=-2192/465,

3-10=-138/64

NOTES

Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone and C-C Corner (3) zone: cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown: Lumber DOL=1.60 plate grip DOL=1.60

- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 8 and 75 lb uplift at joint 14.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 26, 27 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s). The design/selection of such connection device(s) is the responsibility of others.
- 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 Except:

User defined (1): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (lb/ft)

Vert: 8-14=-12, 1-7=-5 Horz: 7-8=27, 1-7=-4

Concentrated Loads (lb)

Horz: 15=-200

User defined (2): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (lb/ft) Vert: 8-14=-12, 1-7=-5 Horz: 7-8=27. 1-7=-4 Concentrated Loads (lb) Horz: 15=200 (F)



February 24,2025



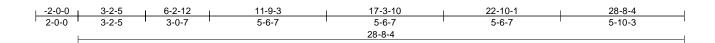
M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

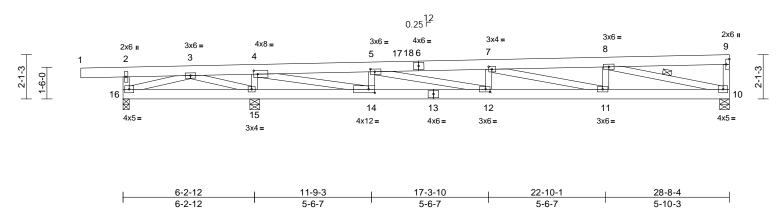


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M11	Monopitch	2	1	Job Reference (optional)	R86844774

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:14 ID:ojEAmdVbOtX7dB?GWQE3gezivJ6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:54.5

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

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.20	12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.40	12	>667	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0			1							Weight: 165 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 5-4-1 oc

bracing.

WEBS 1 Row at midpt 8-10

REACTIONS (size) 10=0-5-8, 15=0-5-8, 16=0-3-8

Max Horiz 16=41 (LC 11)

Max Uplift 10=-58 (LC 8), 15=-113 (LC 12),

16=-61 (LC 3)

10=980 (LC 1), 15=2022 (LC 1),

16=233 (LC 18)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-16=-403/121, 1-2=0/6, 2-3=-39/101,

3-4=-367/1791, 4-5=-1736/339,

5-7=-3341/636, 7-8=-2635/507, 8-9=-133/44,

9-10=-227/80

BOT CHORD 15-16=-975/167, 14-15=-1785/352,

12-14=-344/1729, 11-12=-637/3337,

10-11=-505/2630 **WEBS** 4-15=-1443/349, 3-15=-862/216,

3-16=-153/931, 8-11=0/344, 7-12=-250/130,

5-14=-742/224, 4-14=-677/3591,

5-12=-301/1651, 7-11=-729/137,

8-10=-2589/484

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) -2-0-0 to 13-0-0, Exterior (2) 13-0-0 to 13-6-8, Corner (3) 13-6-8 to 28-6-8 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.
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 16, 58 lb uplift at joint 10 and 113 lb uplift at joint 15.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

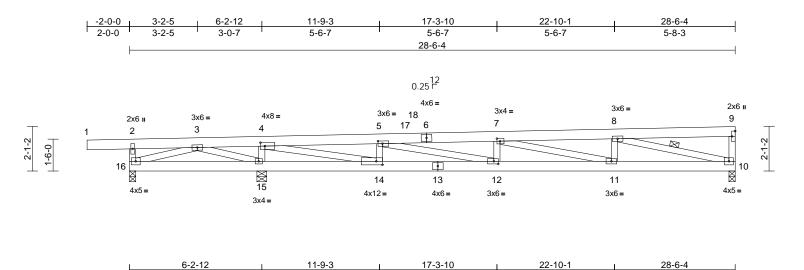


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M12	Monopitch	10	1	Job Reference (optional)	R86844775

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:15 ID:pcw9lJyEMRWEPTb7_vsz?kzivHF-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

5-6-7

Page: 1



Scale = 1:54.3

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

5-6-7

6-2-12

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	0.68	Vert(LL)	-0.20	12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.39	12-14	>679	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 164 lb	FT = 10%

5-6-7

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 5-5-2 oc

bracing.

WEBS 1 Row at midpt 8-10

REACTIONS (size) 10=0-3-8, 15=0-5-8, 16=0-3-8

Max Horiz 16=41 (LC 11)

Max Uplift 10=-58 (LC 8), 15=-111 (LC 12),

16=-59 (LC 8)

10=974 (LC 1), 15=2000 (LC 1),

16=238 (LC 18)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-16=-403/122, 1-2=0/6, 2-3=-39/99, 3-4=-360/1741, 4-5=-1746/344,

5-7=-3309/635, 7-8=-2570/499, 8-9=-126/43,

9-10=-219/77

BOT CHORD 15-16=-946/163, 14-15=-1734/345,

12-14=-349/1739, 11-12=-636/3305,

10-11=-496/2565 4-15=-1431/349, 3-15=-839/213,

3-16=-149/903, 5-14=-732/224,

7-12=-242/129, 8-11=0/347, 8-10=-2534/477,

7-11=-763/145, 5-12=-295/1608,

4-14=-675/3550

NOTES

WEBS

- 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) -2-0-0 to 13-0-0, Exterior (2) 13-0-0 to 13-4-8, Corner (3) 13-4-8 to 28-4-8 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 16, 58 lb uplift at joint 10 and 111 lb uplift at joint 15.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

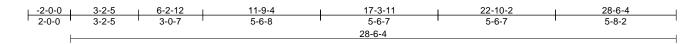


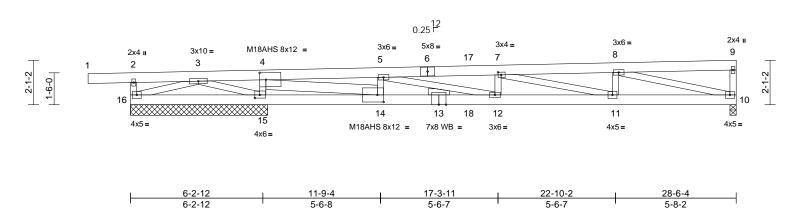
5-8-3



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M13	Monopitch Girder	2	3	Job Reference (optional)	R86844776

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:15 ID:MU9WHeQU6YTeLOMgWv5L1AzitbU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:54.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.26	12-14	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.52	12-14	>511	180	M18AHS	145/140
TCDL	15.0	Rep Stress Incr	Yes	WB	0.47	Horz(CT)	0.03	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0	l		1							Weight: 510 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No.2 *Except* 1-6:2x6 DF 2400F

2.0E

BOT CHORD 2x6 DF No.2

WEBS 2x4 HF No.2 *Except* 4-14:2x6 DF 2400F

2 0F

OTHERS 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 10=0-3-8, 15=6-5-8, 16=6-5-8 (size)

Max Horiz 16=166 (LC 32)

Max Uplift 10=-224 (LC 26), 15=-1231 (LC 34), 16=-334 (LC 47)

10=2339 (LC 1), 15=16216 (LC 1),

16=335 (LC 40)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

2-16=-1802/193, 1-2=0/6, 2-3=-274/397,

3-4=-2139/12891, 4-5=-13444/2220, 5-7=-14338/2174, 7-8=-7335/1357,

8-9=-629/525. 9-10=-287/47

15-16=-5235/1817, 14-15=-12722/1932, 12-14=-1570/12913, 11-12=-1517/14210,

10-11=-737/7326

WEBS 8-11=-116/1861, 7-12=-78/282,

5-14=-5800/515, 4-15=-12302/932, 3-16=-1144/4595, 3-15=-9080/1359, 4-14=-2164/26015, 5-12=-469/1543, 7-11=-7157/805, 8-10=-7326/749

NOTES

BOT CHORD

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Web connected as follows: 2x4 - 2 rows staggered at 0-6-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.

- 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.
- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 334 lb uplift at joint 16, 224 lb uplift at joint 10 and 1231 lb uplift at joint 15.

- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 2600 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 6-5-8 for 402.6 plf.
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 281 lb down and 102 lb up at 15-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-80, 2-17=-1066, 9-17=-80, 10-16=-20

Concentrated Loads (lb)

Vert: 18=-131 (B)



February 24,2025



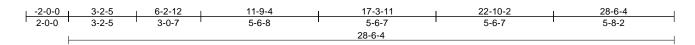
M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

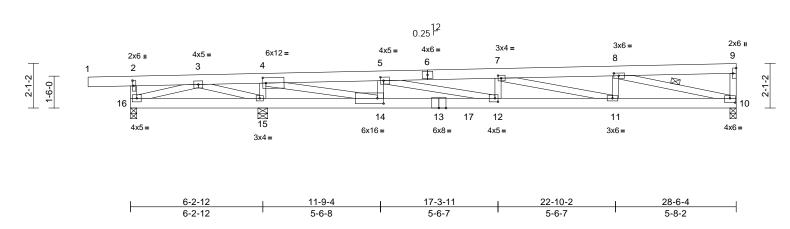


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M14	Monopitch Girder	2	1	Job Reference (optional)	R86844777

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:15 ID:B6c8qRjtK47qiwO9HKXdNDziui5-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:54.3

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

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	0.91	Vert(LL)	-0.25	12-14	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.53	12-14	>498	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.03	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 164 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 4-8-2 oc

bracing.

WEBS 1 Row at midpt 8-10

REACTIONS (size) 10=0-3-8, 15=0-5-8, 16=0-3-8

Max Horiz 16=41 (LC 7)

Max Uplift 10=-113 (LC 4), 15=-263 (LC 8), 16=-250 (LC 33)

10=1088 (LC 1), 15=2314 (LC 1),

16=159 (LC 14)

FORCES (lb) - Maximum Compression/Maximum

Tension

2-16=-401/107, 1-2=0/6, 2-3=-41/119, TOP CHORD

3-4=-309/2217, 4-5=-2228/318,

5-7=-4396/640, 7-8=-2966/353, 8-9=-138/23,

9-10=-219/43

BOT CHORD 15-16=-1271/185, 14-15=-2210/316,

12-14=-305/2221, 11-12=-625/4392, 10-11=-335/2963

WEBS 4-15=-1676/271, 8-10=-2934/345,

3-16=-144/1230, 3-15=-1001/158,

5-14=-836/167, 7-12=-184/372, 8-11=0/429,

7-11=-1534/299, 5-12=-328/2229,

4-14=-635/4529

NOTES

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.
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 250 lb uplift at joint 16, 113 lb uplift at joint 10 and 263 lb uplift at joint 15.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 281 lb down and 102 lb up at 15-11-4, and 319 lb down and 61 lb up at 15-11-4 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1 15

Uniform Loads (lb/ft)

Vert: 1-2=-80, 2-9=-80, 10-16=-20

Concentrated Loads (lb)

Vert: 17=-325 (F=-131, B=-193)



February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



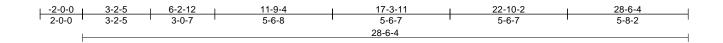
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M15	Monopitch Girder	2	1	Job Reference (optional)	R86844778

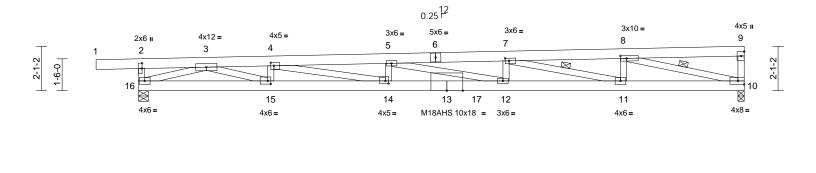
Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:16 ID:WVRBq0uDea8f7BPWeME3?Tziue?-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

22-10-2

5-6-7

Page: 1





17-3-11

5-6-7

Scale = 1:54.3

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

11-9-4

5-6-8

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	0.91	Vert(LL)	-0.54	12-14	>622	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.88	Vert(CT)	-1.23	12-14	>276	180	M18AHS	169/162
TCDL	15.0	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.13	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 164 lb	FT = 10%

LUMBER

2x6 DF No.2 TOP CHORD BOT CHORD 2x6 DF 2400F 2 0F **WEBS** 2x4 HF No.2

BRACING

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

bracing.

WEBS 1 Row at midpt 8-10, 7-11 REACTIONS (size) 10=0-3-8, 16=0-5-8

Max Horiz 16=41 (LC 7) Max Uplift 10=-144 (LC 8), 16=-191 (LC 4)

Max Grav 10=1621 (LC 1), 16=1760 (LC 1)

6-2-12

6-2-12

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 2-16=-459/109, 9-10=-230/44, 1-2=0/6, 2-3=-212/2, 3-4=-6452/551, 4-5=-8665/846,

5-7=-8370/867, 7-8=-4851/462, 8-9=-193/27 15-16=-313/3547, 14-15=-543/6450, 12-14=-835/8657, 11-12=-853/8365,

10-11=-445/4847

8-10=-4831/456, 4-15=-959/167, **WEBS** 3-15=-254/3090, 3-16=-3555/338,

5-14=-306/102, 4-14=-303/2410, 7-12=-21/654, 5-12=-470/322, 8-11=-19/952,

7-11=-3726/420

NOTES

BOT CHORD

- 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
- 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 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated. This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 16 and 144 lb uplift at joint 10.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 319 lb down and 61 lb up at 15-11-4, and 319 lb down and 61 lb up at 15-11-4 on bottom 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

Dead + Snow (balanced): Lumber Increase=1.15. Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 10-16=-20, 1-2=-80, 2-9=-80 Concentrated Loads (lb)

Vert: 17=-387 (F=-193, B=-193)



28-6-4

5-8-2

February 24,2025

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M16	Monopitch Girder	2	1	Job Reference (optional)	R86844779

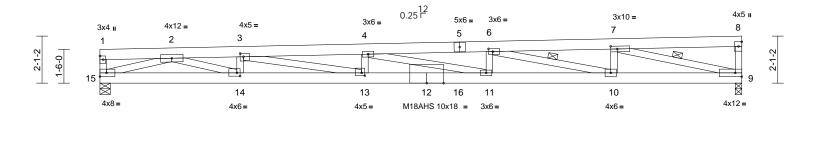
Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:16 ID:Mq0tdacHBC1VA?GpyBnMlPziubn-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

22-10-2

5-6-7

Page: 1





17-3-11

5-6-7

Scale = 1:51.2

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

11-9-4

5-6-8

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.55	11-13	>616	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.89	Vert(CT)	-1.24	11-13	>274	180	M18AHS	169/162
TCDL	15.0	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.13	9	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 159 lb	FT = 10%

LUMBER

2x6 DF No 2 TOP CHORD BOT CHORD 2x6 DF 2400F 2.0E **WEBS** 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-5 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing. WEBS

1 Row at midpt 7-9, 6-10 REACTIONS (size) 9=0-3-8, 15=0-5-8 Max Horiz 15=41 (LC 5)

> Max Uplift 9=-145 (LC 8), 15=-132 (LC 4) Max Grav 9=1628 (LC 1), 15=1582 (LC 1)

6-2-12

6-2-12

(lb) - Maximum Compression/Maximum FORCES Tension

TOP CHORD 1-15=-213/35, 8-9=-230/44, 1-2=-237/8,

2-3=-6561/569, 3-4=-8746/860,

4-6=-8412/876, 6-7=-4874/467, 7-8=-193/27 14-15=-341/3714, 13-14=-561/6558,

11-13=-849/8740, 10-11=-861/8407,

9-10=-449/4870

7-9=-4854/459, 3-14=-942/162,

4-13=-299/100, 6-11=-22/660, 7-10=-20/958, 6-10=-3749/425, 4-11=-498/328,

3-13=-295/2387, 2-15=-3704/363,

2-14=-234/3028

NOTES

WEBS

BOT CHORD

- 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- 3) Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 15 and 145 lb uplift at joint 9.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 319 lb down and 61 lb up at 15-11-4, and 319 lb down and 61 lb up at 15-11-4 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate 1) Increase=1.15

Uniform Loads (lb/ft)

Vert: 9-15=-20, 1-8=-80 Concentrated Loads (lb)

Vert: 16=-387 (F=-193, B=-193)



28-6-4

5-8-2

February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

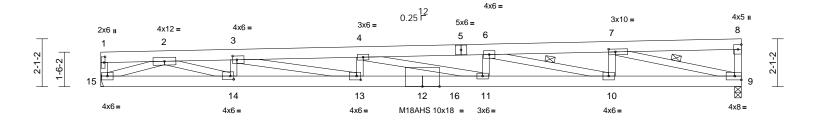


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M17	Monopitch	10	1	Job Reference (optional)	R86844780

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:16 ID:c_p6dzav2_RWcvfxRChMJZziuZF-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





ı	5-10-0	11-4-8	16-10-15	22-5-6	28-1-8	1
ſ	5-10-0	5-6-8	5-6-7	5-6-7	5-8-2	٦

Scale = 1:50.6

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

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	0.89	Vert(LL)	-0.52	11-13	>637	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.87	Vert(CT)	-1.18	11-13	>284	180	M18AHS	169/162
TCDL	15.0	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.12	9	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 157 lb	FT = 10%

LUMBER

2x6 DF No.2 TOP CHORD BOT CHORD 2x6 DF 2400F 2 0F **WEBS** 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-9-7 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

WEBS 1 Row at midpt 7-9, 6-10 REACTIONS (size) 9=0-3-8, 15= Mechanical

> Max Horiz 15=41 (LC 33) Max Uplift 9=-143 (LC 8), 15=-131 (LC 4) Max Grav 9=1606 (LC 1), 15=1564 (LC 1)

(lb) - Maximum Compression/Maximum FORCES Tension

TOP CHORD 1-15=-180/30, 8-9=-229/44, 1-2=-195/5,

2-3=-6176/540, 3-4=-8469/836,

4-6=-8251/861, 6-7=-4795/460, 7-8=-191/27

14-15=-300/3280, 13-14=-532/6174,

11-13=-825/8462, 10-11=-847/8246, 9-10=-443/4791

WEBS 7-9=-4774/453, 3-14=-953/162,

4-13=-327/103, 6-11=-20/637, 7-10=-18/936,

6-10=-3660/417, 4-11=-409/342,

3-13=-300/2491, 2-15=-3348/328,

2-14=-247/3081

NOTES

BOT CHORD

- 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- 3) Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 131 lb uplift at joint 15 and 143 lb uplift at joint 9.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 319 lb down and 61 lb up at 15-6-8, and 319 lb down and 61 lb up at 15-6-8 on bottom 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

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 9-15=-20, 1-8=-80

Concentrated Loads (lb) Vert: 16=-387 (F=-193, B=-193)



February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M18	Monopitch Supported Gable	1	1	Job Reference (optional)	R86844781

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:17 ID:RDGmplQ27yZ5w4sVNNikKlzithw-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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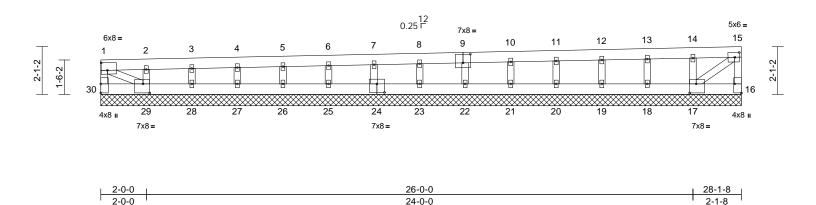


Plate Offsets (X, Y): [1:0-3-4,0-4-0], [9:0-4-0,0-4-8], [15:0-2-8,0-2-8], [16:Edge,0-3-8], [17:0-3-8,0-4-12], [24:0-4-0,0-4-8], [29:0-3-8,0-4-12]

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	0.50	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.60	Horiz(TL)	-0.02	22	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0	1		1							Weight: 140 lb	FT = 10%

24-0-0

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

OTHERS 2x4 HF No.2 BRACING

TOP CHORD

LUMBER

Structural wood sheathing directly applied or 4-6-5 oc purlins, except end verticals.

Rigid ceiling directly applied or 4-10-12 oc

BOT CHORD

REACTIONS (size) 16=28-1-8, 17=28-1-8, 18=28-1-8,

19=28-1-8, 20=28-1-8, 21=28-1-8, 22=28-1-8, 23=28-1-8, 24=28-1-8, 25=28-1-8, 26=28-1-8, 27=28-1-8,

28=28-1-8, 29=28-1-8, 30=28-1-8

Max Horiz 30=41 (LC 34)

Max Uplift 16=-2110 (LC 41), 17=-2165 (LC

32), 18=-21 (LC 40), 19=-16 (LC 32), 20=-39 (LC 41), 21=-90 (LC

32), 22=-152 (LC 41), 23=-193 (LC 32), 24=-179 (LC 41), 25=-117 (LC

32), 26=-50 (LC 41), 27=-16 (LC 40), 28=-23 (LC 32), 29=-1714 (LC

41), 30=-1765 (LC 32)

Max Grav 16=2141 (LC 52), 17=2267 (LC 53), 18=197 (LC 1), 19=201 (LC 1),

20=199 (LC 1), 21=238 (LC 27), 22=281 (LC 26), 23=305 (LC 27),

24=300 (LC 26), 25=257 (LC 27), 26=203 (LC 26), 27=200 (LC 1),

28=199 (LC 1), 29=1809 (LC 52),

30=1802 (LC 39) **FORCES** (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-30=-1740/1712, 1-2=-2993/2973, 2-3=-2616/2598, 3-4=-2212/2195,

4-5=-1808/1792, 5-6=-1403/1388,

6-7=-1002/988, 7-8=-607/594, 8-10=-631/618, 10-11=-1032/1021

11-12=-1435/1426, 12-13=-1838/1831,

13-14=-2237/2236, 14-15=-2638/2637, 15-16=-2089/2092

BOT CHORD 29-30=-278/223, 28-29=-2624/2602, 27-28=-2179/2198, 26-27=-1816/1794,

25-26=-1412/1390, 23-25=-1008/986,

22-23=-241/227, 21-22=-641/624

20-21=-1045/1028, 19-20=-1449/1432,

18-19=-1853/1836, 17-18=-2257/2214,

16-17=-346/339

WEBS 2-29=-167/100, 3-28=-159/69, 4-27=-160/71, 5-26=-164/101, 6-25=-215/168,

7-24=-262/231, 8-23=-267/240,

9-22=-241/204, 10-21=-198/141,

11-20=-159/88, 12-19=-160/63,

13-18=-158/83, 14-17=-173/77

1-29=-3234/3271, 15-17=-3327/3315

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
- 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.
- 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.
- All plates are 2x4 (||) MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1765 lb uplift at joint 30, 2110 lb uplift at joint 16, 1714 lb uplift at joint 29, 23 lb uplift at joint 28, 16 lb uplift at joint 27, 50 lb uplift at joint 26, 117 lb uplift at joint 25, 179 lb uplift at joint 24, 193 lb uplift at joint 23, 152 lb uplift at joint 22, 90 lb uplift at joint 21, 39 lb uplift at joint 20, 16 lb uplift at joint 19, 21 lb uplift at joint 18 and 2165 lb uplift at joint 17.



February 24,2025

Continued on page 2

Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M18	Monopitch Supported Gable	1	1	Job Reference (optional)	R86844781

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:17 ID: RDGmplQ27yZ5w4sVNNikKlzithw-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff

Page: 2

- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) This truss has been designed for a total drag load of 5682 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 28-1-8 for 202.0 plf.

LOAD CASE(S) Standard

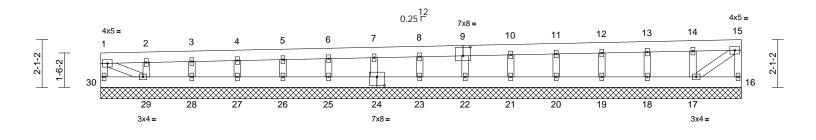


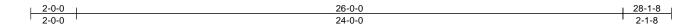
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M18A	Monopitch Supported Gable	1	1	Job Reference (optional)	R86844782

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Page: 1







Scale = 1:50.6

LUMBER

Plate Offsets (X, Y): [9:0-4-0,0-4-8], [24:0-4-0,0-4-8]

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	0.03	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.01	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	16	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0	1									Weight: 140 lb	FT = 10%

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

OTHERS 2x4 HF No.2 BRACING

BOT CHORD

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

REACTIONS (size)

16=28-1-8, 17=28-1-8, 18=28-1-8, 19=28-1-8, 20=28-1-8, 21=28-1-8, 22=28-1-8, 23=28-1-8, 24=28-1-8, 25=28-1-8, 26=28-1-8, 27=28-1-8, 28=28-1-8, 29=28-1-8, 30=28-1-8

Max Horiz 30=41 (LC 11) Max Uplift

16=-4 (LC 12), 17=-13 (LC 8), 18=-12 (LC 12), 19=-12 (LC 8), 20=-11 (LC 12), 21=-13 (LC 8), 22=-11 (LC 12), 23=-12 (LC 8), 24=-12 (LC 12), 25=-11 (LC 8), 26=-12 (LC 12), 27=-12 (LC 12), 28=-12 (LC 8), 29=-9 (LC 12),

30=-8 (LC 8) Max Grav 16=68 (LC 1), 17=232 (LC 1),

18=197 (LC 1), 19=201 (LC 1), 20=199 (LC 1), 21=206 (LC 1), 22=200 (LC 1), 23=193 (LC 1), 24=200 (LC 1), 25=203 (LC 1), 26=199 (LC 1), 27=200 (LC 1), 28=199 (LC 1), 29=206 (LC 1),

30=81 (LC 1)

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-30=-65/33, 1-2=-22/15, 2-3=-22/15,

3-4=-22/15, 4-5=-21/17, 5-6=-21/18, 6-7=-21/20, 7-8=-18/20, 8-10=-19/25, 10-11=-17/25, 11-12=-16/24, 12-13=-14/24, 13-14=-13/24, 14-15=-11/23, 15-16=-52/27 29-30=-66/60, 28-29=-29/32, 27-28=-29/32,

26-27=-29/32, 25-26=-29/32, 23-25=-29/32, 22-23=-24/27, 21-22=-30/31, 20-21=-30/31, 19-20=-30/31, 18-19=-30/31, 17-18=-30/31, 16-17=-18/26

WEBS 2-29=-167/65, 3-28=-159/62, 4-27=-160/62, 5-26=-160/62, 6-25=-161/62, 7-24=-160/63,

8-23=-155/60, 9-22=-159/62, 10-21=-166/64, 11-20=-159/62, 12-19=-160/62, 13-18=-158/62, 14-17=-173/69, 1-29=-32/43, 15-17=-23/6

NOTES

BOT CHORD

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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.
- * 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) All bearings are assumed to be HF No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 30, 4 lb uplift at joint 16, 9 lb uplift at joint 29, 12 lb uplift at joint 28, 12 lb uplift at joint 27, 12 lb uplift at joint 26, 11 lb uplift at joint 25, 12 lb uplift at joint 24, 12 lb uplift at joint 23, 11 lb uplift at joint 22, 13 lb uplift at joint 21, 11 Ib uplift at joint 20, 12 lb uplift at joint 19, 12 lb uplift at joint 18 and 13 lb uplift at joint 17.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025

FORCES

Ply Job Truss Truss Type Qty MKM FAST TOWN CROSSING BLDG C R86844783 4449044 M19 Monopitch Supported Gable 2 Job Reference (optional)

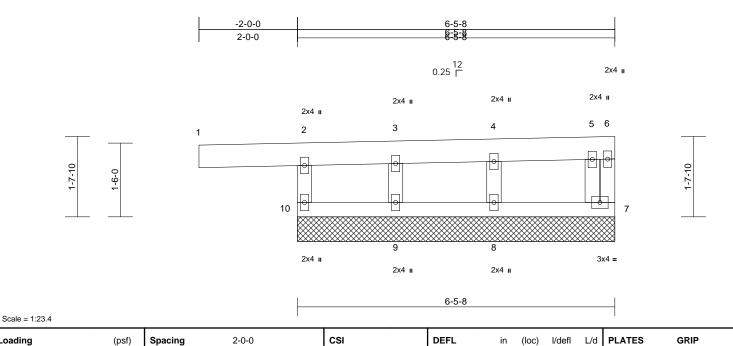
Builders FirstSource (Arlington, WA), Arlington, WA - 98223,

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:17 ID:8zUb7KqfnGAHD6JZrKcWXozjF2W-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

185/148

FT = 10%



1	IMP	ED

Loading

(Roof Snow = 25.0)

TCLL

TCDL

BCLL

BCDL

TOP CHORD 2x6 DF No.2 2x4 HF No.2 BOT CHORD 2x4 HF No 2 WFBS OTHERS 2x4 HF No.2

BRACING TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Code

1.15

1 15

YES

IBC2018/TPI2014

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc

25.0

15.0

0.0

10.0

bracing.

REACTIONS (size) 7=6-5-8, 8=6-5-8, 9=6-5-8,

> 10=6-5-8 Max Horiz 10=32 (LC 11)

Max Uplift 7=-4 (LC 9), 8=-31 (LC 8), 9=-109 (LC 18), 10=-101 (LC 8)

Max Grav 7=92 (LC 1), 8=263 (LC 1), 9=91

(LC 3), 10=492 (LC 18)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-10=-474/242, 1-2=0/6, 2-3=-7/21, 3-4=-6/25, 4-5=-7/24, 5-6=-6/17, 6-7=-77/70

BOT CHORD 9-10=-34/39. 8-9=-34/39. 7-8=-34/39 3-9=-69/146, 4-8=-214/165, 5-7=-76/92 WFBS

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
- 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.

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.

0.24

0.03

0.03

Vert(LL)

Vert(CT)

Horz(CT)

n/a

n/a

0.00

n/a 999

n/a 999

n/a n/a

7

MT20

Weight: 30 lb

- 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.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.

TC

BC

WB

Matrix-R

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 10, 4 lb uplift at joint 7, 109 lb uplift at joint 9 and 31 lb uplift at joint 8.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



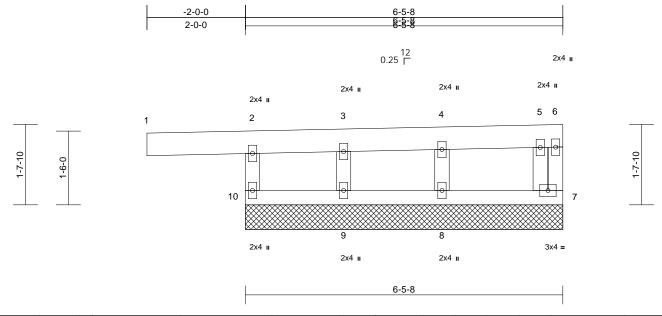
M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	M20	Monopitch Supported Gable	2	1	Job Reference (optional)	R86844784

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:17 ID:zfujW0JkMYCc0FNFBkKu9EzjF1u-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:23.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 30 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No 2 WFBS OTHERS 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc

bracing.

BOT CHORD REACTIONS (size)

7=6-5-8, 8=6-5-8, 9=6-5-8,

10=6-5-8

Max Horiz 10=32 (LC 11)

Max Uplift 7=-4 (LC 9), 8=-31 (LC 8), 9=-109 (LC 18), 10=-101 (LC 8)

Max Grav 7=92 (LC 1), 8=263 (LC 1), 9=91

(LC 3), 10=492 (LC 18)

FORCES

(lb) - Maximum Compression/Maximum

Tension TOP CHORD

2-10=-474/242, 1-2=0/6, 2-3=-7/21, 3-4=-6/25, 4-5=-7/24, 5-6=-6/17, 6-7=-77/70

BOT CHORD 9-10=-34/39, 8-9=-34/39, 7-8=-34/39

3-9=-69/146, 4-8=-214/165, 5-7=-76/92 WFBS

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
- 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.

- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 10, 4 lb uplift at joint 7, 109 lb uplift at joint 9 and 31 lb uplift at joint 8.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

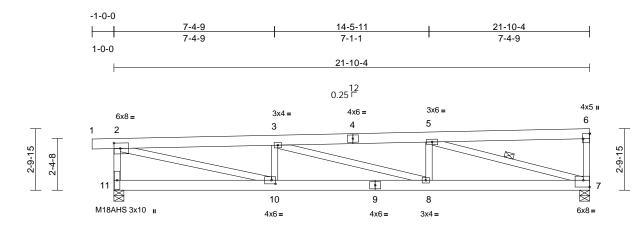




Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N01	Monopitch	2	1	Job Reference (optional)	R86844785

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Page: 1



7-4-9 14-5-11 21-10-4 7-4-9 7-1-1 7-4-9

Scale = 1:52.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.14	8-10	>999	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.27	8-10	>945	180	MT20	185/148
TCDL	15.0	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.03	7	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 128 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 9-6-4 oc

bracing.

WEBS 1 Row at midpt 5-7 REACTIONS (size) 7=0-5-8, 11=0-5-8 Max Horiz 11=59 (LC 9)

Max Uplift 7=-134 (LC 12), 11=-168 (LC 8)

Max Grav 7=2311 (LC 1), 11=2407 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-11=-2316/616, 1-2=0/3, 2-3=-2596/619,

3-5=-2476/604, 5-6=-90/49, 6-7=-1497/408

BOT CHORD 10-11=-122/157, 8-10=-676/2589, 7-8=-628/2470

WEBS 2-10=-611/2530, 3-10=-529/258,

3-8=-125/50, 5-8=0/324, 5-7=-2496/615

NOTES

- 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
- 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.
- 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.

- 4) Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 11 and 134 lb uplift at joint 7.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1250 lb down and 295 lb up at 0-2-12, and 1250 lb down and 295 lb up at 21-8-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-80, 2-6=-80, 7-11=-20

Concentrated Loads (lb) Vert: 2=-1235, 6=-1235



February 24,2025



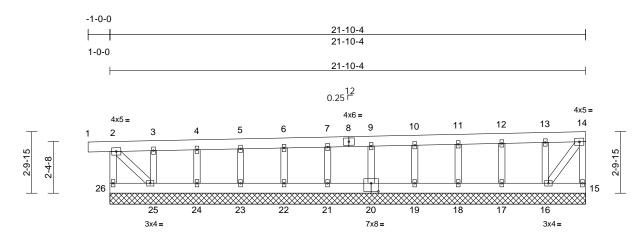
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N02	Monopitch Supported Gable	2	1	Job Reference (optional)	R86844786

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:18 ID:sJo6Tr5Hu0bOEJXt62QHQfzisoF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



20-0-0 21-10-4 2-0-0 1-10-4 2-0-0 18-0-0

Scale = 1:52.9

Plate Offsets (X, Y): [20:0-4-0,0-4-8]

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.01	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	15	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 124 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No 2 BOT CHORD 2x6 DF No 2 **WEBS** 2x4 HF No.2 **OTHERS** 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

10-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing, Except:

10-0-0 oc bracing: 25-26,15-16.

REACTIONS (size) 15=21-10-4. 16=21-10-4.

17=21-10-4, 18=21-10-4, 19=21-10-4, 20=21-10-4, 21=21-10-4, 22=21-10-4, 23=21-10-4, 24=21-10-4, 25=21-10-4, 26=21-10-4

Max Horiz 26=59 (LC 9)

Max Grav 15=147 (LC 1), 16=572 (LC 1), 17=545 (LC 1), 18=535 (LC 1),

19=536 (LC 1), 20=536 (LC 1), 21=536 (LC 1), 22=536 (LC 1), 23=535 (LC 1), 24=541 (LC 1), 25=556 (LC 1), 26=335 (LC 18)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

2-26=-320/0, 1-2=0/3, 2-3=-16/45, 3-4=-16/44, 4-5=-14/44, 5-6=-12/43,

6-7=-10/43, 7-9=-9/43, 9-10=-7/42, 10-11=-5/42, 11-12=-3/42, 12-13=-3/43,

13-14=-3/43, 14-15=-132/0

BOT CHORD 25-26=-87/92, 24-25=-59/36, 23-24=-59/36, 22-23=-59/36, 21-22=-59/36, 19-21=-59/36,

18-19=-59/36, 17-18=-59/36, 16-17=-59/36, 15-16=-26/42

WEBS

3-25=-483/0, 4-24=-501/0, 5-23=-495/0, 6-22=-496/0, 7-21=-496/0, 9-20=-496/0, 10-19=-496/0, 11-18=-495/0, 12-17=-504/0, 13-16=-490/0, 2-25=-98/59, 14-16=-57/0

NOTES

- 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
- 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.
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * 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.
- 12) All bearings are assumed to be HF No.2.

13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

14) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-80, 2-14=-248, 15-26=-20



February 24,2025



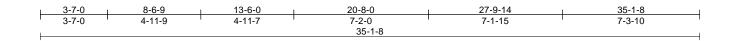
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

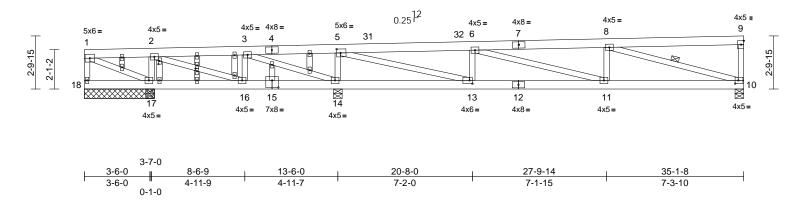


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N03	Monopitch	2	1	Job Reference (optional)	R86844787

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:18 ID:5B8xzwNmDzWWYJsgedFX5bzishR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:61.4

Plate Offsets (X, Y): [5:0-2-8,0-2-8], [9:Edge,0-3-8], [10:0-2-0,0-2-0], [13:0-1-12,0-2-0], [15:0-4-0,0-4-8], [22:0-2-0,0-0-11], [23:0-1-10,0-1-0]

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	0.54	Vert(LL)	-0.12	11-13	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.24	11-13	>999	180	1	
TCDL	15.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0	1									Weight: 208 lb	FT = 10%

LUMBER

2x6 DF No 2 TOP CHORD BOT CHORD 2x6 DF No 2 **WEBS** 2x4 HF No.2 **OTHERS** 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-1-3 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc

BOT CHORD bracing.

WEBS 1 Row at midpt 8-10

REACTIONS (size) 10=0-5-8, 14=0-5-8, 17=3-8-12,

18=3-8-12

Max Horiz 18=59 (LC 11)

Max Uplift 10=-129 (LC 12), 14=-181 (LC 12), 17=-33 (LC 12), 18=-7 (LC 8)

10=2196 (LC 1), 14=3107 (LC 1), 17=640 (LC 1), 18=16 (LC 20)

(lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-18=-3/33 1-2=-38/175 2-3=-39/135

3-5=-158/892. 5-6=-1779/282.

6-8=-2105/334, 8-9=-84/41, 9-10=-1489/263

BOT CHORD 17-18=-87/70, 16-17=-171/54,

14-16=-132/42, 13-14=-887/151,

11-13=-282/1771, 10-11=-330/2099 2-17=-425/136, 1-17=-189/66,

5-14=-2599/470, 3-14=-804/130,

8-10=-2118/313, 6-13=-623/196,

5-13=-395/2752, 6-11=-50/341, 8-11=0/240,

3-16=-5/116, 2-16=-13/42

NOTES

WEBS

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-1-12 to 15-1-12, Exterior (2) 15-1-12 to 19-11-12, Corner (3) 19-11-12 to 34-11-12 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 (||) MT20 unless otherwise indicated.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 18, 129 lb uplift at joint 10, 33 lb uplift at joint 17 and 181 lb uplift at joint 14.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1250 lb down and 181 lb up at 13-5-3, and 1250 lb down and 181 lb up at 34-11-12 on top chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft) Vert: 1-9=-80, 10-18=-20

Concentrated Loads (lb) Vert: 9=-1235, 5=-1235



February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

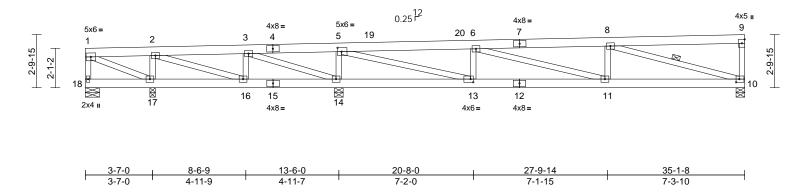


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N04	Monopitch	6	1	Job Reference (optional)	R86844788

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:19 ID:KFvUnZ1GYG1uETngi_fpCnzisbQ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:61.4

Plate Offsets (X, Y): [5:0-2-8,0-2-8], [9:Edge,0-3-8], [10:0-2-0,0-2-0], [13:0-1-12,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.12	11-13	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.24	11-13	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.02	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 202 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-1-3 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing. WEBS

1 Row at midpt 8-10

REACTIONS (size) 10=0-5-8, 14=0-5-8, 17=0-3-8,

18=0-9-0 Max Horiz 18=59 (LC 11)

Max Uplift 10=-129 (LC 12), 14=-181 (LC 12), 17=-33 (LC 12), 18=-7 (LC 8)

Max Grav 10=2196 (LC 1), 14=3107 (LC 1), 17=640 (LC 1), 18=16 (LC 20)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-18=-3/33. 1-2=-38/175. 2-3=-39/135.

3-5=-158/892 5-6=-1779/282

6-8=-2105/334, 8-9=-84/41, 9-10=-1489/263

17-18=-87/70, 16-17=-171/54, BOT CHORD

14-16=-132/42, 13-14=-887/151,

11-13=-282/1771, 10-11=-330/2099

WEBS 8-10=-2118/313, 2-17=-425/136, 5-14=-2599/470, 6-13=-623/196, 8-11=0/240,

6-11=-50/341, 5-13=-395/2752, 3-16=-5/116,

2-16=-13/42, 3-14=-804/130, 1-17=-189/66

NOTES

TOP CHORD

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-1-12 to 15-1-12, Exterior (2) 15-1-12 to 19-11-12, Corner (3) 19-11-12 to 34-11-12 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
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 4x5 (=) MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 18, 129 lb uplift at joint 10, 33 lb uplift at joint 17 and 181 lb uplift at joint 14.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1250 lb down and 181 lb up at 13-6-0, and 1250 lb down and 181 lb up at 34-11-12 on top chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft) Vert: 1-9=-80, 10-18=-20 Concentrated Loads (lb) Vert: 9=-1235, 5=-1235



February 24,2025



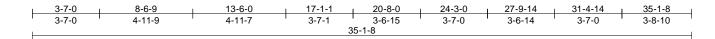
M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

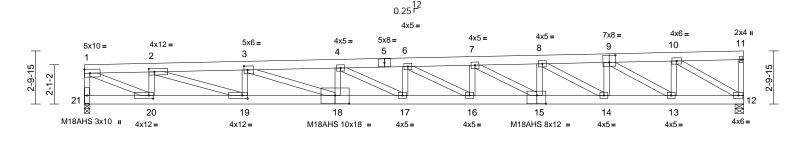


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N05	Monopitch Girder	16	1	Job Reference (optional)	R86844789

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:19 ID:yWfMolJegjIQ_E043EN6JKzhzRL-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





L	3-7-0	8-6-9	13-6-0	17-1-1	20-8-0	24-3-0	27-9-14	31-4-14	35-1-8	
Г	3-7-0	4-11-9	4-11-7	3-7-1	3-6-15	3-7-0	3-6-14	3-7-0	3-8-10	

Scale = 1:61.4

Plate Offsets (X, Y): [2:0-3-8,0-2-0], [3:0-2-4,0-2-8], [9:0-4-0,0-4-8], [15:0-5-12,0-5-4], [18:0-9-0,0-5-4], [19:0-3-8,0-2-0], [20:0-2-12,0-2-0]

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	0.86	Vert(LL)	-0.68	17-18	>615	240	M18AHS	169/162
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.98	Vert(CT)	-1.45	17-18	>289	180	MT20	220/195
TCDL	15.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.21	12	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 218 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF 2400F 2.0E BOT CHORD 2x6 DF 2400F 2 0F **WEBS** 2x4 DF 1800F 1.6E

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-10-2 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 7-10-14 oc

bracing.

REACTIONS (size) 12=0-5-8, 21=0-3-8, (reg. 0-4-8) Max Horiz 21=59 (LC 5)

Max Uplift 12=-226 (LC 8), 21=-302 (LC 4) Max Grav 12=2362 (LC 1), 21=2740 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

 $1-21=-2667/312,\ 1-2=-5196/582,$ TOP CHORD

2-3=-10591/1260, 3-4=-14057/1769, 4-6=-13006/1546. 6-7=-11248/1264.

7-8=-9049/973, 8-10=-6412/666, 10-11=-64/20, 11-12=-148/30 20-21=-49/137, 19-20=-569/5192,

BOT CHORD 17-19=-1751/14049, 16-17=-1526/13002,

14-16=-1241/11243, 13-14=-630/6306,

12-13=-318/3391

WEBS 2-20=-2330/330, 3-19=-1758/292,

4-18=-931/470, 7-16=-113/1120, 9-14=-146/1671, 1-20=-635/5601, 2-19=-715/5704, 3-18=-539/3785, 6-16=-2173/326, 6-17=-92/841,

4-17=-1498/255. 8-14=-3073/361. 8-15=-125/1333, 7-15=-2538/337, 10-12=-3968/391, 10-13=-151/1916,

9-13=-3468/371

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
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- WARNING: Required bearing size at joint(s) 21 greater than input bearing size.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 21 and 226 lb uplift at joint 12.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1250 lb down and 72 lb up at 13-6-0 on top chord, and 388 lb down and 125 lb up at 13-4-0, and 381 lb down and 127 lb up at 13-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of
- 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

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft) Vert: 1-11=-80, 12-21=-20 Concentrated Loads (lb)

Vert: 18=-384 (F=-190, B=-193), 4=-1235



February 24,2025



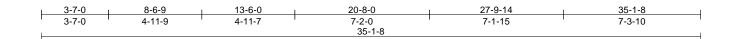
M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N06	Monopitch Girder	2	2	Job Reference (optional)	R86844790

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:19 ID:Wy8fvzxJkN2oS7WIS?2xPZzhz9m-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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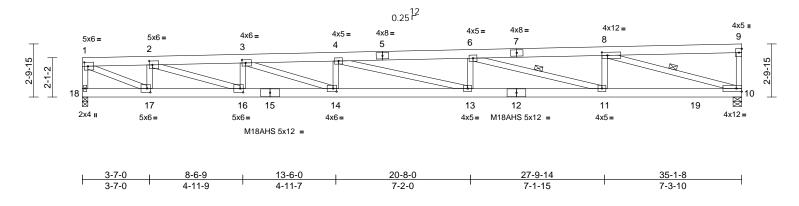


Plate Offsets (X, Y): [1:0-2-4,0-2-8], [2:0-2-0,0-2-8], [3:0-2-4,0-2-0], [8:0-3-8,0-2-0], [9:Edge,0-3-8], [14:0-2-4,0-2-0], [16:0-2-0,0-2-8], [17:0-2-4,0-2-8]

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	0.58	Vert(LL)	-0.53	13-14	>789	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.58	Vert(CT)	-1.09	13-14	>385	180	M18AHS	169/162
TCDL	15.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.15	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 406 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF 2400F 2 0F BOT CHORD 2x6 DF 2400F 2.0E

WEBS 2x4 HF No.2 *Except* 10-8:2x4 DF 1800F

1.6E

BRACING TOP CHORD

TOP CHORD

Structural wood sheathing directly applied or

4-7-14 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing, Except:

6-0-0 oc bracing: 17-18. **WEBS** 1 Row at midpt 8-10, 6-11

REACTIONS 10=0-5-8, 18=0-3-8 (size)

Max Horiz 18=212 (LC 27)

Max Uplift 10=-438 (LC 33), 18=-450 (LC 24) Max Grav 10=4309 (LC 1), 18=2969 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-18=-2895/459, 9-10=-796/89,

1-2=-5693/886, 2-3=-11525/1630,

3-4=-16048/2068, 4-6=-16687/2139,

6-8=-11175/1558, 8-9=-763/638

BOT CHORD 17-18=-187/253, 16-17=-721/5689 14-16=-1756/11517, 13-14=-2658/16044,

11-13=-3105/16692, 10-11=-3132/11979 WEBS

8-10=-11424/1314, 2-17=-2551/470,

3-16=-1948/417, 4-14=-1368/349, 6-13=-150/309, 8-11=-197/1698,

6-11=-5737/1052, 1-17=-963/6133,

2-16=-1095/6165, 3-14=-961/5054,

4-13=-767/962

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, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

- Web connected as follows: 2x4 1 row at 0-9-0 oc. 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.
- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 450 lb uplift at joint 18 and 438 lb uplift at joint 10.
- 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

- 12) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 32-8-0 to 35-1-8 for 1220.3 plf.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 384 lb down and 130 lb up at 13-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 10-18=-20, 1-4=-80, 4-9=-248

Concentrated Loads (lb)

Vert: 14=-187 (B)



February 24,2025



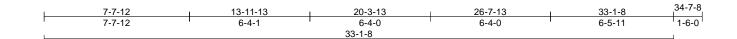
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

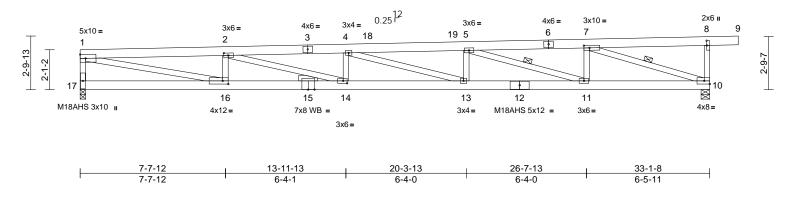


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N07	Monopitch	4	1	Job Reference (optional)	R86844791

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:20 ID:fr274AkH3FAQi5l3BFcyVNzhz?i-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:60.6

Plate Offsets (X, Y): [2:0-2-12,0-1-8], [7:0-3-8,0-1-8], [8:0-3-1,0-1-8], [14:0-2-8,0-1-8], [16:0-3-8,0-2-0]

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	0.65	Vert(LL)	-0.47	13-14	>830	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.95	13-14	>413	180	MT20	185/148
TCDL	15.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.10	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 195 lb	FT = 10%

LUMBER

2x6 DF No 2 TOP CHORD BOT CHORD 2x6 DF 2400F 2.0E

WEBS 2x4 HF No.2 *Except* 1-16:2x4 DF 1800F

1.6E

OTHERS 2x4 HF No.2

BRACING

BOT CHORD

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

Rigid ceiling directly applied or 9-11-12 oc

bracing.

WEBS 1 Row at midpt 7-10, 5-11 10=0-5-8, 17=0-3-8 REACTIONS (size)

Max Horiz 17=59 (LC 9)

Max Uplift 10=-120 (LC 12), 17=-96 (LC 8) Max Grav 10=1777 (LC 1), 17=1638 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-17=-1515/286, 1-2=-5273/824,

2-4=-6786/1053, 4-5=-6189/968,

5-7=-3854/617, 7-8=-94/43, 8-9=-4/0, 8-10=-388/122

BOT CHORD 16-17=-128/252, 14-16=-886/5266,

13-14=-1099/6778, 11-13=-993/6182, 10-11=-622/3848

WEBS 2-16=-1018/279, 4-14=-294/134, 5-13=0/375,

7-11=-31/871, 7-10=-3979/623, 5-11=-2455/390, 4-13=-623/111, 2-14=-241/1573, 1-16=-803/5133

NOTES

1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-1-12 to 15-1-12, Exterior (2) 15-1-12 to 19-7-8, Corner (3) 19-7-8 to 34-7-8 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.

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.

- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 96 lb uplift at joint 17 and 120 lb uplift at joint 10.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



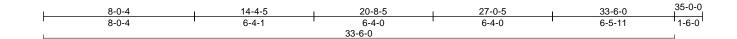
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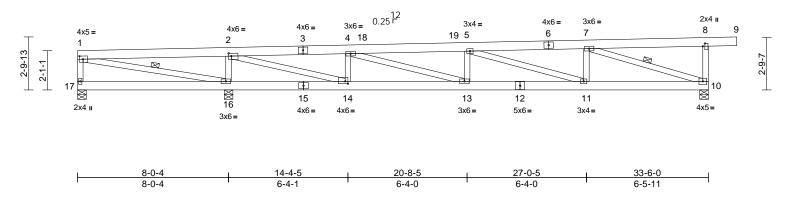


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N08	Monopitch	2	1	Job Reference (optional)	R86844792

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:20 ID:le3m7Uqo10PhNzFuUnl8eGzhz29-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:61.2

Plate Offsets (X, Y): [1:0-2-4,0-2-0], [2:0-1-12,0-1-12], [8:0-1-13,0-1-4], [14:0-1-12,0-1-8]

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	0.64	Vert(LL)	-0.17	13-14	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.35	13-14	>877	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.04	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 195 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing, Except:

6-0-0 oc bracing: 14-16.

WEBS 1 Row at midpt 1-16, 7-10

REACTIONS 10=0-5-8, 16=0-5-8, 17=0-5-8 (size)

Max Horiz 17=59 (LC 9)

Max Uplift 10=-92 (LC 12), 16=-122 (LC 12),

17=-4 (LC 8)

Max Grav 10=1288 (LC 1), 16=2138 (LC 1),

17=26 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-17=0/98, 1-2=-172/1090, 2-4=-1991/315, TOP CHORD

4-5=-3252/512, 5-7=-2466/399, 7-8=-77/39,

8-9=-4/0. 8-10=-383/120

16-17=-91/87, 14-16=-1082/194,

13-14=-342/1984, 11-13=-525/3246, 10-11=-399/2461

WEBS 2-16=-1662/377, 7-11=0/437, 5-13=-248/133,

4-14=-815/210, 4-13=-201/1320, 2-14=-481/3186, 1-16=-1137/203, 5-11=-826/132, 7-10=-2533/392

NOTES

BOT CHORD

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-1-12 to 15-1-12, Exterior (2) 15-1-12 to 20-0-0, Corner (3) 20-0-0 to 35-0-0 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.
- 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
- 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.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 17, 92 lb uplift at joint 10 and 122 lb uplift at joint 16.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



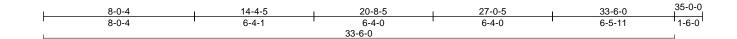
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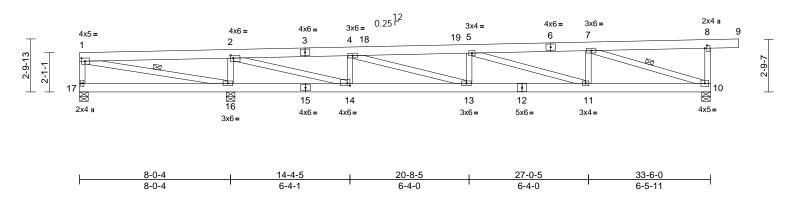


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N09	Monopitch	8	1	Job Reference (optional)	R86844793

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:20 ID:vzryUt4PVGove4OGhcjvxOzhz5i-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:61.2

Plate Offsets (X, Y): [1:0-2-4,0-2-0], [2:0-1-12,0-1-12], [8:0-1-13,0-1-4], [14:0-1-12,0-1-8]

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	0.64	Vert(LL)	-0.17	13-14	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.35	13-14	>877	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.04	10	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 195 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing, Except:

6-0-0 oc bracing: 14-16. WEBS 1 Row at midpt 1-16, 7-10

REACTIONS 10=0-5-8, 16=0-5-8, 17=0-5-8 (size)

Max Horiz 17=59 (LC 9) Max Uplift 10=-92 (LC 12), 16=-122 (LC 12),

17=-4 (LC 8)

Max Grav 10=1288 (LC 1), 16=2138 (LC 1),

17=26 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-17=0/98, 1-2=-172/1090, 2-4=-1991/315, TOP CHORD

4-5=-3252/512, 5-7=-2466/399, 7-8=-77/39, 8-9=-4/0. 8-10=-383/120

BOT CHORD 16-17=-91/87, 14-16=-1082/194,

13-14=-342/1984, 11-13=-525/3246, 10-11=-399/2461

WEBS 2-16=-1662/377, 1-16=-1137/203,

4-14=-815/210, 2-14=-481/3186,

4-13=-201/1320, 5-13=-248/133,

5-11=-826/132, 7-11=0/437, 7-10=-2533/392

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-1-12 to 15-1-12, Exterior (2) 15-1-12 to 20-0-0, Corner (3) 20-0-0 to 35-0-0 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.
- 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.
- 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.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 17, 92 lb uplift at joint 10 and 122 lb uplift at joint 16.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



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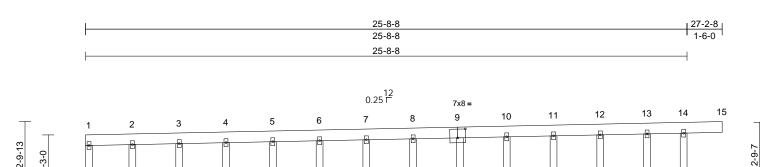


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N10	Monopitch Supported Gable	2	1	Job Reference (optional)	R86844794

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:21 ID:M6N259OO9rpf0QGFoKXT8mzhyvg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

16



7x8=

25-8-8

Scale = 1:49.2

Plate Offsets (X, Y):	[9:0-4-0,0-4-8],	[23:0-4-0,0-4-8]
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29

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	0.14	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999	1	
TCDL	15.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	16	n/a	n/a	1	
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 139 lb	FT = 10%

LUMBER

2x6 DF No 2 TOP CHORD BOT CHORD 2x6 DF 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. Rigid ceiling directly applied or 6-0-0 oc

BOT CHORD

REACTIONS (size)

16=25-8-8, 17=25-8-8, 18=25-8-8, 19=25-8-8, 20=25-8-8, 21=25-8-8, 22=25-8-8, 23=25-8-8, 24=25-8-8, 25=25-8-8, 26=25-8-8, 27=25-8-8, 28=25-8-8 29=25-8-8

Max Horiz 29=59 (LC 9)

Max Uplift 16=-54 (LC 9), 17=-21 (LC 18), 18=-12 (LC 12), 19=-11 (LC 12), 20=-15 (LC 8), 21=-9 (LC 12), 22=-13 (LC 8), 23=-11 (LC 12),

24=-12 (LC 8), 25=-12 (LC 8), 26=-11 (LC 12), 27=-15 (LC 8), 28=-20 (LC 9), 29=-14 (LC 8)

Max Grav 16=356 (LC 18), 17=122 (LC 1), 18=207 (LC 1), 19=199 (LC 1), 20=206 (LC 1), 21=200 (LC 1), 22=195 (LC 1), 23=201 (LC 1),

24=200 (LC 1), 25=200 (LC 1), 26=200 (LC 1), 27=200 (LC 1), 28=209 (LC 1), 29=82 (LC 21)

FORCES

(lb) - Maximum Compression/Maximum

TOP CHORD

1-29=-62/36, 1-2=-17/14, 2-3=-16/13, 3-4=-16/13, 4-5=-16/13, 5-6=-15/15, 6-7=-15/16, 7-8=-15/18, 8-10=-15/20, 10-11=-12/21, 11-12=-12/22, 12-13=-12/24, 13-14=-12/25, 14-15=-4/0, 14-16=-345/109

BOT CHORD 28-29=-46/50, 27-28=-46/50, 26-27=-46/50, 25-26=-46/50, 24-25=-46/50, 22-24=-46/50, 21-22=-46/50, 20-21=-46/50, 19-20=-46/50, 18-19=-46/50, 17-18=-46/50, 16-17=-46/50 2-28=-167/97. 3-27=-160/68. 4-26=-160/66. 5-25=-160/66, 6-24=-160/66, 7-23=-161/71, 8-22=-155/70, 9-21=-160/87, 10-20=-166/74 11-19=-159/70, 12-18=-167/69, 13-17=-81/61

NOTES

WEBS

- 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
- 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.
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing. Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 11) * 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.
- 12) All bearings are assumed to be HF No.2.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 29, 54 lb uplift at joint 16, 20 lb uplift at joint 28, 15 lb uplift at joint 27, 11 lb uplift at joint 26, 12 lb uplift at joint 25, 12 lb uplift at joint 24, 11 lb uplift at joint 23, 13 lb uplift at joint 22, 9 lb uplift at joint 21, 15 lb uplift at joint 20, 11 lb uplift at joint 19, 12 lb uplift at joint 18 and 21 lb uplift at joint 17.
- 14) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N11	Monopitch	12	1	Job Reference (optional)	R86844795

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:21 ID:i_3Esdet?Utbyky8cbvi5Uzhywf-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

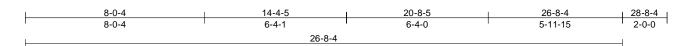
20-8-5

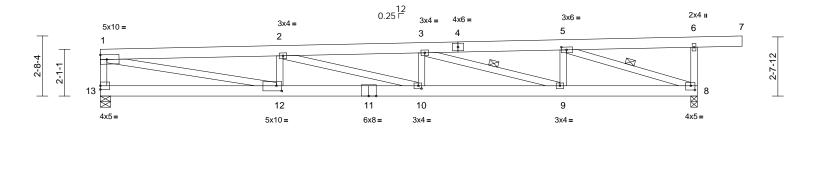
6-4-0

26-8-4

5-11-15

Page: 1





Scale = 1:51.5

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

8-0-4

8-0-4

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	0.62	Vert(LL)	-0.29	10-12	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.57	10-12	>553	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.07	8	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0	1		1							Weight: 157 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-5 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 8-2-0 oc

bracing.

WEBS 1 Row at midpt 5-8, 3-9 REACTIONS (size) 8=0-3-8, 13=0-5-8 Max Horiz 13=55 (LC 9)

Max Uplift 8=-108 (LC 12), 13=-77 (LC 8) Max Grav 8=1498 (LC 1), 13=1313 (LC 1)

(lb) - Maximum Compression/Maximum FORCES

Tension TOP CHORD

1-13=-1195/294, 1-2=-4064/810,

2-3=-4488/901, 3-5=-2925/594, 5-6=-72/37,

6-7=-6/0, 6-8=-418/152

BOT CHORD 12-13=-133/255, 10-12=-867/4056,

9-10=-933/4481, 8-9=-602/2919 **WEBS** 2-12=-701/271, 3-10=0/160, 5-9=-13/586,

5-8=-3030/609, 3-9=-1633/346,

2-10=-92/442, 1-12=-781/3883

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
- 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 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

14-4-5

6-4-1

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 13 and 108 lb uplift at joint 8.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



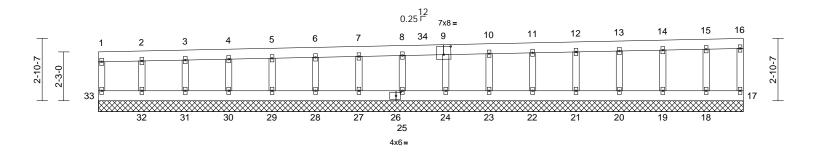
February 24,2025

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N12	Common Girder	2	1	Job Reference (optional)	R86844796

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:21 ID:ZscQNnCTbOB_6sCNzZ2lyMzhy6H-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





29-8-8

Scale = 1:53.1

Plate Offsets (X, Y): [9:0-4-0,0-4-8], [26:0-2-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.21	Horiz(TL)	0.00	17	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0	1		1							Weight: 157 lb	FT = 10%

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

OTHERS 2x4 HF No.2 BRACING

TOP CHORD **BOT CHORD**

LUMBER

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc

REACTIONS (size)

17=29-8-8, 18=29-8-8, 19=29-8-8, 20=29-8-8, 21=29-8-8, 22=29-8-8, 23=29-8-8, 24=29-8-8, 25=29-8-8, 27=29-8-8, 28=29-8-8, 29=29-8-8, 30=29-8-8, 31=29-8-8, 32=29-8-8,

33=29-8-8

Max Horiz 33=60 (LC 9)

Max Uplift 17=-23 (LC 12), 18=-97 (LC 8), 19=-94 (LC 12), 20=-93 (LC 8), 21=-93 (LC 8), 22=-91 (LC 12),

23=-102 (LC 8), 24=-80 (LC 12), 25=-22 (LC 8), 27=-9 (LC 12), 28=-12 (LC 8), 29=-12 (LC 8), 30=-11 (LC 12), 31=-16 (LC 8),

32=-23 (LC 9), 33=-18 (LC 8) 17=457 (LC 1), 18=1538 (LC 1), Max Grav 19=1609 (LC 1), 20=1574 (LC 1),

21=1581 (LC 1), 22=1557 (LC 1), 23=1682 (LC 1), 24=1416 (LC 1), 25=339 (LC 1), 27=160 (LC 1), 28=206 (LC 1), 29=200 (LC 1),

30=197 (LC 1), 31=213 (LC 1), 32=143 (LC 1), 33=133 (LC 20) (lb) - Maximum Compression/Maximum

TOP CHORD 1-33=-89/40, 1-2=-58/18, 2-3=-57/19,

3-4=-57/21, 4-5=-57/22, 5-6=-56/24, 6-7=-56/26, 7-8=-55/27, 8-10=-58/40, 10-11=-16/39, 11-12=-16/39, 12-13=-16/38,

13-14=-16/38. 14-15=-17/37. 15-16=-17/30. 16-17=-464/108

BOT CHORD

32-33=-54/87, 31-32=-54/87, 30-31=-54/87, 29-30=-54/87, 28-29=-54/87, 27-28=-54/87, 25-27=-54/87, 24-25=-54/87, 23-24=-51/52 22-23=-51/52, 21-22=-51/52, 20-21=-51/52

19-20=-51/52, 18-19=-51/52, 17-18=-51/52 2-32=-136/87, 3-31=-165/63, 4-30=-159/60, 5-29=-159/60, 6-28=-166/61, 7-27=-120/59,

8-25=-299/91, 9-24=-1377/301, 10-23=-1642/334, 11-22=-1517/308, 12-21=-1541/308, 13-20=-1532/306, 14-19=-1573/315, 15-18=-1477/296

NOTES

WFBS

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 33, 23 lb uplift at joint 17, 23 lb uplift at joint 32, 16 lb uplift at joint 31, 11 lb uplift at joint 30, 12 lb uplift at joint 29, 12 lb uplift at joint 28, 9 lb uplift at joint 27, 22 lb uplift at joint 25, 80 lb uplift at joint 24, 102 lb uplift at joint 23, 91 lb uplift at joint 22, 93 lb uplift at joint 21, 93 lb uplift at joint 20, 94 lb uplift at joint 19 and 97 lb uplift at joint 18.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025

Continued on page 2

Tension

FORCES

· Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N12	Common Girder	2	1	Job Reference (optional)	R86844796

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:21 $ID: ZscQNnCTbOB_6sCNzZ2lyMzhy6H-RfC? PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC? for the property of the property$

Page: 2

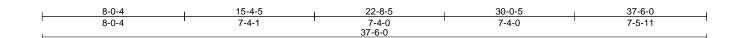
Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-34=-80, 16-34=-769, 17-33=-20

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N13	Monopitch Girder	6	1	Job Reference (optional)	R86844797

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:22 ID:6G8Bv7lpwFTPomxws?r979zhyHn-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



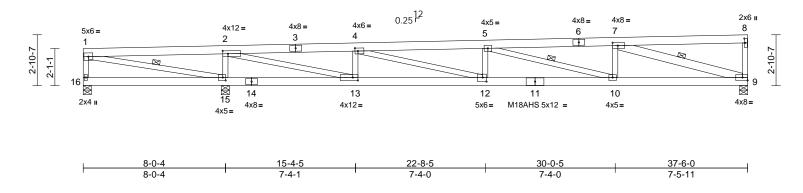


Plate Offsets (X, Y): [2:0-3-8,0-2-0], [4:0-2-0,0-2-0], [7:0-3-8,0-2-0], [8:0-3-1,0-1-4], [12:0-2-8,0-2-12], [13:0-3-8,0-2-0], [15:0-2-0,0-2-0]

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	0.92	Vert(LL)	0.32	12-13	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.66	12-13	>534	180	M18AHS	169/162
TCDL	15.0	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 222 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No.2 BOT CHORD 2x6 DF 2400F 2.0E

WEBS 2x4 HF No.2 *Except* 13-2:2x4 DF 1800F

1.6E, 9-7:2x6 DF 2400F 2.0E

BRACING TOP CHORD

TOP CHORD

Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc

BOT CHORD

bracing. WFBS 1 Row at midpt

1-15, 5-10, 7-9 REACTIONS 9=0-5-8, 15=0-5-8, 16=0-5-8

(size) Max Horiz 16=60 (LC 7)

Max Uplift 9=-218 (LC 8), 15=-385 (LC 8),

16=-216 (LC 18)

Max Grav 9=1505 (LC 1), 15=2739 (LC 1),

16=70 (LC 8)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-16=-23/233, 8-9=-253/58, 1-2=-336/1813,

2-4=-3264/552. 4-5=-5809/1184.

5-7=-3949/671, 7-8=-79/21 BOT CHORD 15-16=-89/33, 13-15=-1806/350

12-13=-534/3256, 10-12=-1161/5802,

9-10=-644/3943

WEBS 2-15=-2088/401, 1-15=-1817/325,

4-13=-1159/304, 2-13=-908/5212, 4-12=-650/2634, 5-12=-244/512,

5-10=-1939/538, 7-10=-62/718,

7-9=-4063/684

NOTES

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.
- Provide adequate drainage to prevent water ponding.
- 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.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 16, 218 lb uplift at joint 9 and 385 lb uplift at joint 15.
- 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 414 lb down and 150 lb up at 22-9-12, and 405 lb down and 165 lb up at 22-9-12 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 9-16=-20, 1-8=-80 Concentrated Loads (lb)

Vert: 12=-370 (F=-193, B=-176)



February 24,2025



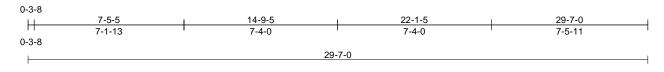
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

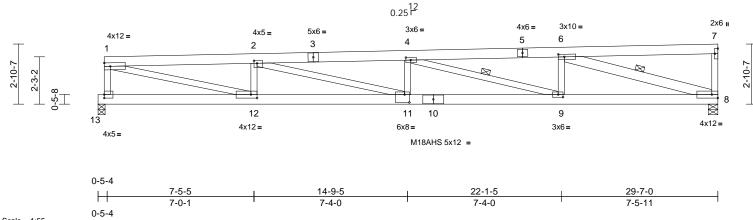


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N13A	Monopitch Girder	2	1	Job Reference (optional)	R86844798

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:22 ID:QsOyBGr9E42TcBZTjp7eAezhyEU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:55

Plate Offsets (X, Y): [2:0-1-12,0-1-8], [4:0-2-12,0-1-8], [6:0-3-8,0-1-8], [7:Edge,0-3-8], [9:0-2-12,0-1-8], [11:0-2-12,0-4-8], [12:0-3-8,0-2-0], [13:Edge,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	0.94	Vert(LL)	0.44	11-12	>788	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.85	11-12	>409	180	M18AHS	169/162
TCDL	15.0	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.10	8	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 177 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No.2 BOT CHORD 2x6 DF 2400F 2.0E

WEBS 2x4 HF No.2 *Except* 12-1:2x4 DF 1800F

1.6E, 8-6:2x6 DF No.2 BRACING

TOP CHORD

Structural wood sheathing directly applied or 1-9-11 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD

bracing, Except:

7-10-5 oc bracing: 9-11. **WEBS** 1 Row at midpt 6-8, 4-9

REACTIONS 8=0-5-8, 13=0-4-0 (size)

Max Horiz 13=60 (LC 7)

Max Uplift 8=-307 (LC 8), 13=-314 (LC 4) Max Grav 8=1794 (LC 2), 13=1805 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-13=-1707/343, 7-8=-255/58

1-2=-5468/1050, 2-4=-7908/1776,

4-6=-4969/962, 6-7=-90/24 **BOT CHORD** 12-13=-54/175, 11-12=-1032/5462,

9-11=-1754/7901, 8-9=-935/4965

WEBS 1-12=-1064/5463, 6-8=-5121/987,

2-12=-1219/354, 4-11=-221/784,

6-9=-152/1041, 4-9=-3069/852,

2-11=-748/2559

NOTES

- 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- 3) Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint 13 and 307 lb uplift at joint 8.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 827 lb down and 301 lb up at 14-10-12, and 414 lb down and 150 lb up at 14-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 8-13=-20, 1-7=-80

Concentrated Loads (lb) Vert: 11=-580 (F=-193, B=-387)



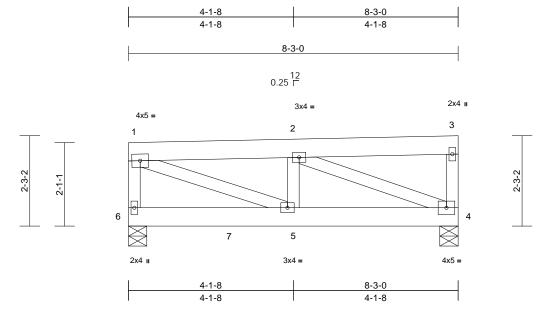
February 24,2025



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N14	Monopitch Girder	1	1	Job Reference (optional)	R86844799

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Page: 1



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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	0.13	Vert(LL)	-0.01	5-6	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.03	5-6	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 49 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No.2 **BOT CHORD** 2x6 DF No.2 2x4 HF No.2 WFBS

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) 4=0-5-8, 6=0-5-8

Max Horiz 6=44 (LC 7) Max Uplift 4=-37 (LC 8), 6=-53 (LC 4)

Max Grav 4=510 (LC 1), 6=566 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD $1-6=-472/62,\ 1-2=-773/71,\ 2-3=-18/12,$

3-4=-140/28

BOT CHORD 5-6=-39/29, 4-5=-51/771

WEBS 1-5=-85/833, 2-5=-9/125, 2-4=-839/69

NOTES

- 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
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 6 and 37 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 140 lb down and 21 lb up at 2-6-4, and 140 lb down and 21 lb up at 4-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-3=-80, 4-6=-20

Concentrated Loads (lb)

Vert: 5=-140 (B), 7=-140 (B)



February 24,2025



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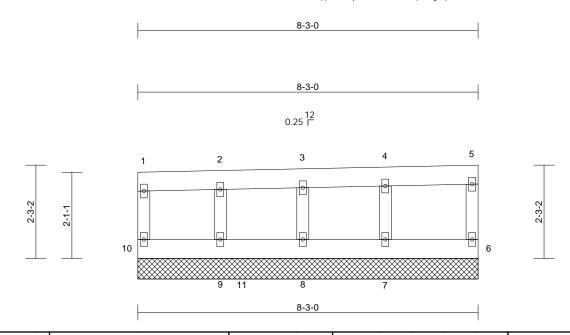


Job Truss Truss Type Qty Ply MKM FAST TOWN CROSSING BLDG C R86844800 4449044 N₁₄A Monopitch Girder Job Reference (optional)

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

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:22 ID:Mx1ISo8P1hhfYu9wppTi81zhyho-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	185/148	
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999			
TCDL	15.0	Rep Stress Incr	NO	WB	0.02	Horiz(TL)	0.00	6	n/a	n/a			
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R		1							
PCDI	10.0										Woight: 42 lb	ET _ 10%	

UMRE	: 0

Scale = 1:27.9

TOP CHORD 2x6 DF No.2 **BOT CHORD** 2x6 DF No.2 WFBS 2x4 HF No 2 OTHERS 2x4 HF No.2

BRACING

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 6=8-3-0, 7=8-3-0, 8=8-3-0, 9=8-3-0,

10=8-3-0 Max Horiz 10=44 (LC 7)

Max Uplift 6=-6 (LC 5), 7=-25 (LC 22), 8=-44 (LC 4), 9=-26 (LC 5), 10=-20 (LC

Max Grav 6=90 (LC 1), 7=217 (LC 1), 8=394 (LC 1), 9=343 (LC 1), 10=64 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-10=-62/18, 1-2=-10/3, 2-3=-9/3, 3-4=-9/4,

4-5=-9/6, 5-6=-70/14

BOT CHORD 9-10=-25/19, 8-9=-25/19, 7-8=-25/19,

6-7=-25/19

2-9=-167/33 3-8=-156/35 4-7=-181/43

WFBS 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
- 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.

- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 10, 6 lb uplift at joint 6, 26 lb uplift at joint 9, 44 lb uplift at joint 8 and 25 lb uplift at joint 7.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 156 lb down and 24 lb up at 2-6-4, and 156 lb down and 24 lb up at 4-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 15) 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

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft) Vert: 1-5=-80, 6-10=-20

Concentrated Loads (lb)

Vert: 8=-156 (F), 11=-156 (F)



February 24,2025



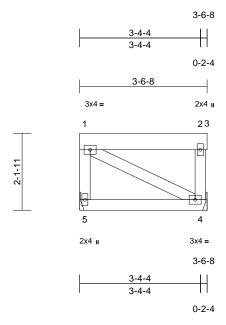
M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N15	Flat	1	1	Job Reference (optional)	R86844801

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:22 ID:mA4IFm9zLUMHjHt90b?Uplzhyj4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:32

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	0.09	Vert(LL)	-0.01	4-5	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	4-5	>999	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0	1									Weight: 19 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-6-8 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5= Mechanical

Max Uplift 4=-12 (LC 9), 5=-9 (LC 8) Max Grav 4=176 (LC 1), 5=160 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/0, 2-3=0/0

BOT CHORD 4-5=0/0

1-5=-128/101, 2-4=-144/112, 1-4=0/0

WEBS NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 5 and 12 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



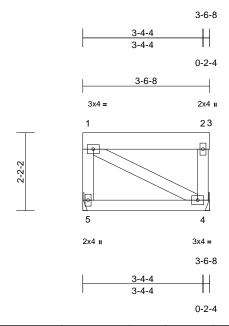
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N16	Flat	1	1	Job Reference (optional)	R86844802

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:23 ID:iMnnNtoDsn1maQRLdDRvSwzhyiF-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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Scale = 1:32.2

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	0.09	Vert(LL)	-0.01	4-5	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	4-5	>999	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 19 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-6-8 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5= Mechanical Max Uplift 4=-12 (LC 9), 5=-9 (LC 8)

Max Grav 4=176 (LC 1), 5=160 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/0, 2-3=0/0

BOT CHORD 4-5=0/0

WEBS 1-5=-128/101, 2-4=-144/112, 1-4=0/0

NOTES

- 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
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 5 and 12 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



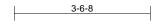
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

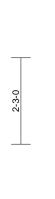


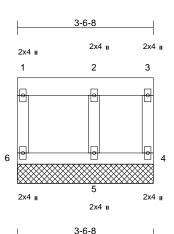
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N17	Flat Supported Gable	1	1	Job Reference (optional)	R86844803

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:23 ID:ItCM06a_ZIDYtQvrwN69bdzhyhE-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:30

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	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 17 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF No.2 **BOT CHORD** 2x4 HF No.2 WFBS 2x4 HF No 2 OTHERS 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-6-8 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

bracing.

BOT CHORD REACTIONS (size)

4=3-6-8, 5=3-6-8, 6=3-6-8

Max Horiz 6=-46 (LC 10)

Max Uplift 4=-19 (LC 9), 5=-13 (LC 8), 6=-17

(LC 8)

4=54 (LC 1), 5=190 (LC 1), 6=81 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-6=-65/65, 1-2=-7/9, 2-3=-7/9, 3-4=-44/50

BOT CHORD 5-6=-46/55, 4-5=-46/55

2-5=-151/119

WEBS NOTES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.

- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 6, 19 lb uplift at joint 4 and 13 lb uplift at joint 5.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



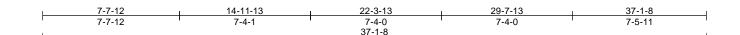
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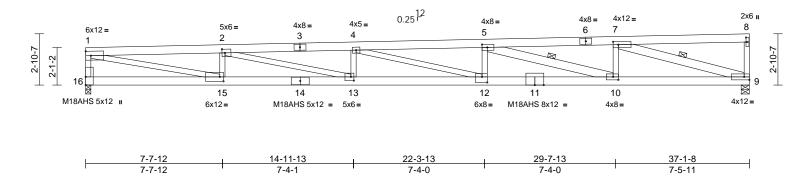


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N18	Monopitch Girder	12	1	Job Reference (optional)	R86844804

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:23 ID:Zwmb3hVnrVIOVJdmRVNHnFzhyYI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:64.4

Plate Offsets (X, Y): [2:0-2-0,0-2-8], [5:0-3-8,0-2-0], [7:0-3-8,0-2-0], [8:0-3-1,0-1-4], [10:0-3-8,0-2-0], [12:0-3-8,0-3-12], [13:0-2-0,0-2-8], [15:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.64	12-13	>692	240	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.68	Vert(CT)	-1.39	12-13	>318	180	MT20	185/148
TCDL	15.0	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.17	9	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 227 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF 2400F 2.0E BOT CHORD 2x6 DF 2400F 2.0E

WEBS 2x4 HF No.2 *Except* 15-1:2x4 DF 1800F 1.6E, 9-7,5-10:2x6 DF 2400F 2.0E

BRACING

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or

2-10-8 oc purlins, except end verticals. Rigid ceiling directly applied or 8-1-6 oc

bracing.

WFBS 1 Row at midpt 7-9. 5-10

REACTIONS 9=0-5-8, 16=0-3-8 (size) Max Horiz 16=60 (LC 7)

Max Uplift 9=-289 (LC 8), 16=-228 (LC 4)

Max Grav 9=2074 (LC 1), 16=1996 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-16=-1870/259, 8-9=-264/56, 1-2=-6769/842, 2-4=-9519/1389

4-5=-9705/1682, 5-7=-5697/886, 7-8=-92/23

BOT CHORD 15-16=-47/283, 13-15=-829/6761,

12-13=-1372/9511, 10-12=-1660/9699,

9-10=-860/5692

WEBS 1-15=-837/6631, 7-9=-5878/908,

2-15=-1321/285, 4-13=-565/214, 5-12=-127/779, 7-10=-136/1303,

5-10=-4169/832, 4-12=-531/944,

2-13=-560/2998

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.
- Provide adequate drainage to prevent water ponding.
- 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.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 16 and 289 lb uplift at joint 9.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 414 lb down and 150 lb up at 22-5-4, and 414 lb down and 150 lb up at 22-5-4 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 9-16=-20, 1-8=-80

Concentrated Loads (lb)

Vert: 12=-387 (F=-193, B=-193)



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

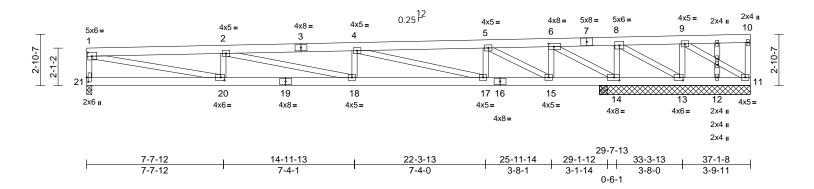


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N19	Monopitch Girder	2	2	Job Reference (optional)	R86844805

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:23 ID:cuJW8wYjVCtG7o_KsOzPsZzhy?N-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:64.4

Plate Offsets (X, Y): [1:0-2-12,0-2-8], [6:0-3-8,0-2-0], [13:0-2-4,0-2-0], [14:0-3-8,0-2-0], [20:0-2-8,0-2-0], [21:0-3-0,0-1-0]

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	0.55	Vert(LL)	-0.19	18-20	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.39	18-20	>913	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.04	14	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0	1		1							Weight: 435 lb	FT = 10%

LUMBER

TOP CHORD 2x6 DF 2400F 2 0F BOT CHORD 2x6 DF 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 5-8-9 oc

REACTIONS (size) 11=8-5-4, 12=8-5-4, 13=8-5-4, 14=8-5-4, 21=0-3-8

Max Horiz 21=65 (LC 30)

Max Uplift 11=-879 (LC 23), 12=-27 (LC 24),

13=-217 (LC 68), 14=-1411 (LC

32), 21=-230 (LC 24)

Max Grav 11=478 (LC 24), 12=278 (LC 1)

13=1739 (LC 48), 14=11101 (LC 1),

21=1509 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-21=-1395/261, 1-2=-4771/847,

2-4=-5877/885, 4-5=-4732/1087, 5-6=-1199/569, 6-8=-1462/7078,

8-9=-592/2817, 9-10=-294/266,

10-11=-1192/93

BOT CHORD 20-21=-58/250, 18-20=-839/4764

17-18=-1398/5870, 15-17=-1710/5179, 14-15=-576/1261, 13-14=-7042/1355, 12-13=-2791/575, 11-12=-2963/876

WEBS 2-20=-887/286, 4-18=-205/222,

5-17=-289/817, 8-14=-5980/1000, 4-17=-1478/315, 2-18=-576/1494,

1-20=-841/4620, 6-14=-8696/1112, 6-15=-394/1967, 5-15=-4632/894,

9-11=-1011/3531, 9-13=-4722/751,

8-13=-1319/5155

NOTES

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, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 5-17 2x4 - 1 row at 0-6-0 oc.

- 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.
- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 21, 879 lb uplift at joint 11, 1411 lb uplift at joint 14, 217 Ib uplift at joint 13 and 27 lb uplift at joint 12.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) This truss has been designed for a total drag load of 2600 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 22-4-8 to 37-1-8 for 176.3 plf.
- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 380 lb down and 284 lb up at 22-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 16) Studding applied to ply: 1(Front)

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-5=-80, 5-10=-769, 11-21=-20



Continued on page 2

- Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N19	Monopitch Girder	2	2	Job Reference (optional)	R86844805

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:23 $ID: cuJW8wYjVCtG7o_KsOzPsZzhy?N-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff$

Page: 2

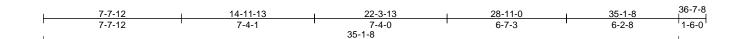
Concentrated Loads (lb) Vert: 17=-107 (F)

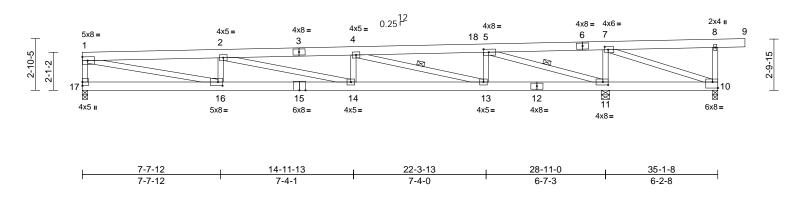


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C			
4449044	N20	Monopitch	14	1	Job Reference (optional)	R86844806		

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:24 ID:8J?iQylcBeGe91yfqj?KIEzhxvF-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:63.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.29	14-16	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.59	14-16	>583	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.06	11	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 204 lb	FT = 10%

LUMBER

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

BRACING

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

bracing, Except:

4-8-2 oc bracing: 10-11.

WEBS 1 Row at midpt 5-11, 4-13

REACTIONS 10=0-3-8, 11=0-5-8, 17=0-3-8 (size)

Max Horiz 17=60 (LC 9)

Max Uplift 10=-561 (LC 1), 11=-168 (LC 12),

17=-73 (LC 8)

Max Grav 10=14 (LC 12), 11=2952 (LC 1),

17=1225 (LC 1)

(lb) - Maximum Compression/Maximum

FORCES Tension

1-17=-1117/211, 1-2=-3627/529, 2-4=-3798/556, 4-5=-1340/214,

5-7=-367/2360, 7-8=-31/44, 8-9=-4/0,

8-10=-297/101

BOT CHORD 16-17=-119/216, 14-16=-593/3621,

13-14=-593/3791, 11-13=-223/1333,

10-11=-2353/362

WEBS 7-11=-1532/322, 7-10=-353/2467,

2-16=-641/218, 4-14=0/269, 5-13=-7/738, 5-11=-3869/568, 4-13=-2543/382,

2-14=-26/176, 1-16=-515/3485

NOTES

TOP CHORD

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-1-12 to 15-1-12, Exterior (2) 15-1-12 to 21-7-8, Corner (3) 21-7-8 to 36-7-8 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.
- 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.
- 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.
- * 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.
- All bearings are assumed to be HF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 17, 561 lb uplift at joint 10 and 168 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025

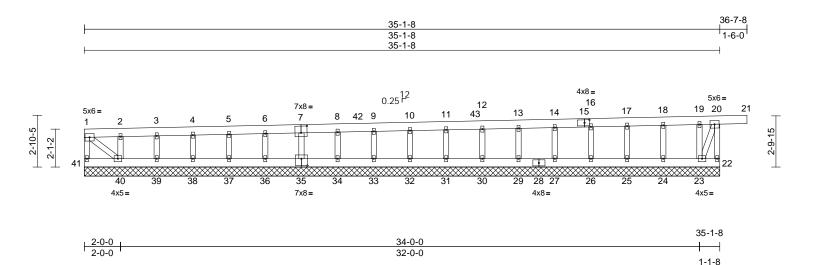


🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N21	Monopitch Supported Gable	1	1	Job Reference (optional)	R86844807

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:24 ID:wYm?mqSGGKhOWOZtF6C3zmzhxsT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:63.7

LUMBER

Plate Offsets (X, Y): [7:0-4-0,0-4-8], [15:0-3-4,0-2-0], [35:0-4-0,0-4-8]

34=-12 (LC 8), 35=-12 (LC 12),

36=-11 (LC 8), 37=-12 (LC 8),

38=-12 (LC 12), 39=-12 (LC 8),

22=313 (LC 18), 23=121 (LC 1),

24=200 (LC 1), 25=202 (LC 1),

26=200 (LC 1), 27=200 (LC 1),

29=200 (LC 1), 30=200 (LC 1),

31=200 (LC 1), 32=200 (LC 1),

33=200 (LC 1), 34=201 (LC 1),

35=200 (LC 1), 36=199 (LC 1),

37=200 (LC 1), 38=200 (LC 1),

39=200 (LC 1), 40=230 (LC 1),

41=66 (LC 21)

40=-18 (LC 9), 41=-8 (LC 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	0.14	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.01	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	22	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH								
BCDL	10.0	1		1							Weight: 192 lb	FT = 10%

(lb) - Maximum Compression/Maximum

TOP CHORD	2x6 DF N	0.2		Tension
BOT CHORD	2x6 DF N	0.2	TOP CHORD	1-41=-53/38, 1-2=-42/37, 2-3=-41/37,
WEBS	2x4 HF N	0.2		3-4=-39/36, 4-5=-38/36, 5-6=-36/36,
OTHERS	2x4 HF N	0.2		6-8=-35/36, 8-9=-32/36, 9-10=-31/35,
BRACING				10-11=-30/35, 11-12=-28/35, 12-13=-27/34,
TOP CHORD BOT CHORD	6-0-0 oc Rigid ceil bracing,		BOT CHORD	13-14=-25/34, 14-16=-24/34, 16-17=-22/33, 17-18=-21/33, 18-19=-19/33, 19-20=-19/36, 20-21=-4/0, 20-22=-309/77 40-41=-93/86, 39-40=-42/44, 38-39=-42/44, 37-38=-42/44, 36-37=-42/44, 34-36=-43/45,
	10-0-0 oc	bracing: 40-41.		33-34=-43/45, 32-33=-43/45, 31-32=-43/45,
REACTIONS	Max Horiz	22=35-1-8, 23=35-1-8, 24=35-1-8, 25=35-1-8, 26=35-1-8, 27=35-1-8, 29=35-1-8, 30=35-1-8, 31=35-1-8, 32=35-1-8, 33=35-1-8, 34=35-1-8, 35=35-1-8, 36=35-1-8, 36=35-1-8, 40=35-1-8, 41=35-1-8, 41=35-1-8, 41=35-1-8, 41=35-1-8, 41=35-1-8, 41=35-1-8, 41=35-1-8, 41=20 (LC 9), 24=-10 (LC 12), 25=-13 (LC 8), 26=-12 (LC 12), 27=-12 (LC 8), 31=-12 (LC 12), 32=-12 (LC 8), 33=-12 (LC 12),	WEBS NOTES	30-31-43/45, 29-30-43/45, 27-29-43/45, 26-27-43/45, 25-26-43/45, 24-25-43/45, 23-24-43/45, 22-23-30/39 2-40-167/57, 3-39-160/55, 4-38-160/53, 5-37-160/54, 6-36-159/53, 7-35-160/54, 8-34-161/54, 9-33-160/52, 10-32-160/51, 11-31-160/51, 12-30-160/53, 13-29-160/53, 14-27-160/53, 16-26-160/53, 17-25-162/54, 18-24-158/54, 19-23-52/93, 1-40-75/91, 20-23-73/15

FORCES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-1-12 to 15-1-12, Exterior (2) 15-1-12 to 21-7-8, Corner (3) 21-7-8 to 36-7-8 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 12) All bearings are assumed to be HF No.2.



February 24,2025

ontinued on page 2

Max Grav

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N21	Monopitch Supported Gable	1	1	Job Reference (optional)	R86844807

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:24 ID:wYm?mqSGGKhOWOZtF6C3zmzhxsT-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 2

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 41, 46 lb uplift at joint 22, 18 lb uplift at joint 40, 12 lb uplift at joint 39, 12 lb uplift at joint 38, 12 lb uplift at joint 37, 11 lb uplift at joint 36, 12 lb uplift at joint 35, 12 lb uplift at joint 34, 12 lb uplift at joint 33, 12 lb uplift at joint 32, 12 lb uplift at joint 31, 12 lb uplift at joint 30, 12 lb uplift at joint 29, 12 lb uplift at joint 27, 12 lb uplift at joint 26, 13 lb uplift at joint 25 and 10 lb uplift at joint 24.

14) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

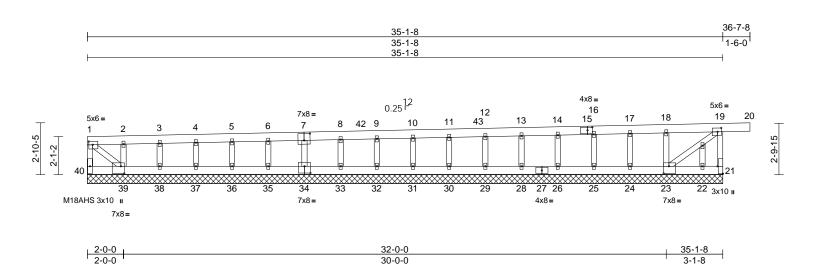
LOAD CASE(S) Standard

Roseville, CA 95661 916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N21A	Common Supported Gable	1	1	Job Reference (optional)	R86844808

Run: 8.83 S. Feb 18.2025 Print: 8.830 S. Feb 18.2025 MiTek Industries. Inc. Mon Feb 24.11:40:25 ID:?bO4TSH_ijjz7bcubJPUaczhxq6-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:63.7

Plate Offsets (X, Y): [1:0-2-8.0-2-4	1. [7:0-4-0.0-4-8]. [15:0-3-4.0-2-0]. [19:	0-2-8.0-2-8], [21:Edge.0-3-8], [23:	:0-3-8,0-4-12], [34:0-4-0,0-4-8], [39:0-2-4,0-4-12]

TOP CHORD

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	n/a	-	n/a	999	M18AHS	145/140
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.30	Vert(CT)	n/a	-	n/a	999	MT20	185/148
TCDL	15.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	-0.02	31	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-SH		' '						
BCDL	10.0										Weight: 193 lb	FT = 10%

LUMBER	
TOP CHORD	2x6 DF No.2
BOT CHORD	2x6 DF No.2

WEBS 2x4 HF No.2 **OTHERS** 2x4 HF No.2 BRACING

TOP CHORD **BOT CHORD**

Structural wood sheathing directly applied or

4-9-10 oc purlins, except end verticals. Rigid ceiling directly applied or 5-1-2 oc

REACTIONS (size)

21=35-1-8, 22=35-1-8, 23=35-1-8, 24=35-1-8. 25=35-1-8. 26=35-1-8. 28=35-1-8, 29=35-1-8, 30=35-1-8, 31=35-1-8, 32=35-1-8, 33=35-1-8, 34=35-1-8, 35=35-1-8, 36=35-1-8, 37=35-1-8, 38=35-1-8, 39=35-1-8,

40=35-1-8 Max Horiz 40=60 (LC 35)

Max Uplift 21=-2026 (LC 42), 22=-50 (LC 33), 23=-1967 (LC 33), 24=-27 (LC 33), 25=-15 (LC 42), 26=-12 (LC 33),

28=-12 (LC 42), 29=-12 (LC 33), 30=-12 (LC 42), 31=-13 (LC 33), 32=-16 (LC 42), 33=-26 (LC 33), 34=-31 (LC 42), 35=-25 (LC 33), 36=-17 (LC 34), 37=-15 (LC 41),

38=-29 (LC 34), 39=-2346 (LC 36), 40=-2411 (LC 33)

21=2082 (LC 53), 22=106 (LC 40), Max Grav 23=2064 (LC 54), 24=195 (LC 1), 25=201 (LC 1), 26=200 (LC 1),

28=200 (LC 1), 29=200 (LC 1), 30=200 (LC 1), 31=200 (LC 1), 32=200 (LC 1), 33=201 (LC 1), 34=200 (LC 1), 35=199 (LC 1), 36=200 (LC 1), 37=200 (LC 1) 38=200 (LC 1), 39=2441 (LC 53), 40=2454 (LC 40)

FORCES (lb) - Maximum Compression/Maximum Tension

> 1-40=-2410/2372, 1-2=-2686/2666, 2-3=-2425/2394, 3-4=-2126/2097, 4-5=-1827/1800, 5-6=-1528/1503,

6-8=-1230/1206. 8-9=-624/612. 9-10=-334/316, 10-11=-306/291 11-12=-602/589 12-13=-898/888

13-14=-1194/1186, 14-16=-1489/1485, 16-17=-1787/1783, 17-18=-2084/2081, 18-19=-2527/2525, 19-20=-4/0,

19-21=-2035/2009

BOT CHORD

39-40=-293/221, 38-39=-2431/2389, 37-38=-2134/2110, 36-37=-1836/1812, 35-36=-1539/1515, 33-35=-1242/1218,

32-33=-649/624, 31-32=-351/327, 30-31=-325/301, 29-30=-622/598, 28-29=-920/895, 26-28=-1217/1192, 25-26=-1514/1490, 24-25=-1811/1787,

23-24=-2108/2084, 22-23=-435/421, 21-22=-138/124

WEBS

2-39=-167/71, 3-38=-160/86, 4-37=-160/60, 5-36=-160/59, 6-35=-159/67, 7-34=-160/73, 8-33=-161/67, 9-32=-160/57, 10-31=-160/52, 11-30=-160/52, 12-29=-160/53,

13-28=-160/54, 14-26=-160/54, 16-25=-161/56, 17-24=-155/64, 18-23=-180/70, 1-39=-3475/3541,

19-23=-3171/3157

1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-1-12 to 15-1-12, Exterior (2) 15-1-12 to 21-7-8, Corner (3) 21-7-8 to 36-7-8 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

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.

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.

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.

- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.



February 24,2025

Continued on page 2

NOTES



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	N21A	Common Supported Gable	1	1	Job Reference (optional)	R86844808

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:25 ID:?bO4TSH_ijjz7bcubJPUaczhxq6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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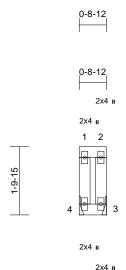
- All plates are 2x4 (II) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 13) All bearings are assumed to be HF No.2.
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2411 lb uplift at joint 40, 2026 lb uplift at joint 21, 2346 lb uplift at joint 39, 29 lb uplift at joint 38, 15 lb uplift at joint 37, 17 lb uplift at joint 36, 25 lb uplift at joint 35, 31 lb uplift at joint 34, 26 lb uplift at joint 33, 16 lb uplift at joint 32, 13 lb uplift at joint 31, 12 lb uplift at joint 30, 12 lb uplift at joint 29, 12 lb uplift at joint 28, 12 lb uplift at joint 26, 15 lb uplift at joint 25, 27 lb uplift at joint 24, 1967 lb uplift at joint 23 and 50 lb uplift at joint 22.
- 15) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 16) This truss has been designed for a total drag load of 5220 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 35-1-8 for 148.6 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P01	Roof Special	2	1	Job Reference (optional)	R86844809

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	4	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 5 lb	FT = 10%

0-8-12

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

0-8-12 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical

Max Horiz 4=38 (LC 11)

Max Uplift 3=-31 (LC 9), 4=-31 (LC 8) Max Grav 3=110 (LC 10), 4=110 (LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-4=-90/21, 1-2=-5/3, 2-3=-90/21

BOT CHORD 3-4=-35/38

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.
- Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 4 and 31 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-248, 3-4=-20



February 24,2025



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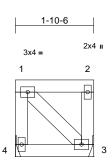
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P02	Flat	30	1	Joh Reference (optional)	R86844810

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:25 ID:hI0Qfa7DEaKgYwBE9W6JBRzivpt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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1-10-6





3x4 =

1-10-6

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	0.00	3-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	3-4	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0			1							Weight: 9 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical Max Horiz 4=-38 (LC 10)

Max Uplift 3=-51 (LC 55), 4=-51 (LC 54)

Max Grav 3=329 (LC 36), 4=329 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD 1-4=-351/60, 1-2=-161/152, 2-3=-195/0

BOT CHORD 3-4=-195/171 WEBS 1-3=-247/268

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 4 and 51 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 100.0 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-248, 3-4=-20



February 24,2025

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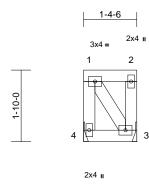


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P03	Flat	2	1	Job Reference (optional)	R86844811

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:25

Page: 1





3x4 =

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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	0.07	Vert(LL)	0.00	4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	3-4	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 8 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-4-6 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical

Max Horiz 4=-38 (LC 8)

Max Uplift 3=-94 (LC 35), 4=-94 (LC 32) Max Grav 3=288 (LC 36), 4=288 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD 1-4=-314/101, 1-2=-116/107, 2-3=-133/0

BOT CHORD 3-4=-150/126 WEBS 1-3=-221/247

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 4 and 94 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-4-6 for 100.0 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-248, 3-4=-20



February 24,2025



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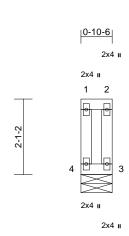


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P04	Roof Special	2	1	Job Reference (optional)	R86844812

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Page: 1

0-10-6



0-10-6

Scale = 1:31.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 6 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

0-10-6 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 3=0-10-6, 4=0-10-6

Max Horiz 4=44 (LC 11) Max Uplift 3=-71 (LC 9), 4=-71 (LC 8)

Max Grav 3=78 (LC 10), 4=78 (LC 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-67/73, 1-2=-6/7, 2-3=-67/73

BOT CHORD 3-4=-45/52

NOTES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 4 and 71 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



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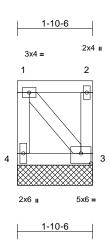
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P05	Flat Supported Gable	46	1	Job Reference (optional)	R86844813

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:26 ID:QrhQkswfvpa80DY9n25MRoziv0V-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

1-10-6





Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

2x4 HF No 2 TOP CHORD 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 6-0-0 oc

bracing.

REACTIONS (size) 3=1-10-6, 4=1-10-6

Max Horiz 4=-44 (LC 10)

Max Uplift 3=-451 (LC 35), 4=-451 (LC 32) Max Grav 3=471 (LC 36), 4=471 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-505/461, 1-2=-354/344, 2-3=-63/49

BOT CHORD 3-4=-399/366 WEBS 1-3=-593/628

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 451 lb uplift at joint 4 and 451 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025

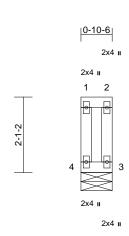


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P06	Roof Special	2	1	Job Reference (optional)	R86844814

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0-10-6



0-10-6

Scale = 1:31.9

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 6 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 3=0-10-6, 4=0-10-6

Max Horiz 4=44 (LC 11) Max Uplift 3=-71 (LC 9), 4=-71 (LC 8)

Max Grav 3=78 (LC 10), 4=78 (LC 11) (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-4=-67/73, 1-2=-6/7, 2-3=-67/73

BOT CHORD 3-4=-45/52

NOTES

FORCES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 4 and 71 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



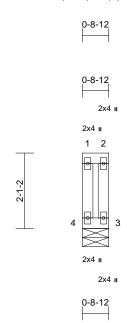
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P07	Roof Special	2	1	Job Reference (optional)	R86844815

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:26 ID:2U_YNfwpP75xlpaBisqXipzit_5-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:31.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/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	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 5 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 0-8-12 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 3=0-8-12, 4=0-8-12

Max Horiz 4=-44 (LC 8) Max Uplift 3=-92 (LC 9), 4=-92 (LC 8)

Max Grav 3=98 (LC 10), 4=98 (LC 11) (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-4=-78/83, 1-2=-5/7, 2-3=-78/83

BOT CHORD 3-4=-45/52

NOTES

FORCES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 4 and 92 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P08	Flat Supported Gable	2	1	Joh Reference (optional)	R86844816

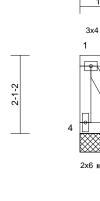
Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:26 ID:NGf2yMsAjHFEUPpx3Ti2BYzisxb-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

1-5-2

2x4 II 2

3



1-5-2

5x6 =

Scale = 1:30.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 9 lb	FT = 10%

LUMBER

2x4 HF No 2 TOP CHORD 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 6-0-0 oc

bracing.

REACTIONS (size) 3=1-5-2, 4=1-5-2

Max Horiz 4=44 (LC 9)

Max Uplift 3=-460 (LC 35), 4=-460 (LC 32) Max Grav 3=474 (LC 36), 4=474 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-516/466, 1-2=-261/252, 2-3=-45/36

BOT CHORD 3-4=-307/274 WEBS 1-3=-539/583

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 460 lb uplift at joint 4 and 460 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-5-2 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025



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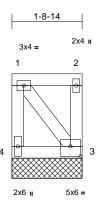
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P09	Flat Supported Gable	2	1	Job Reference (optional)	R86844817

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:26 ID:ghhOi?mD3Kib_x2MzjYekMziswQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-8-14





1-8-14

Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-8-14, 4=1-8-14

Max Horiz 4=44 (LC 11)

Max Uplift 3=-453 (LC 35), 4=-453 (LC 32) Max Grav 3=471 (LC 36), 4=471 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-507/462, 1-2=-327/317, 2-3=-58/45

BOT CHORD 3-4=-373/340 WEBS 1-3=-576/613

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 453 lb uplift at joint 4 and 453 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C			
4449044	P10	Flat Supported Gable	2	1	Job Reference (optional)	R86844818		

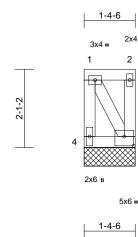
Run: 8.83 S. Feb 18.2025 Print: 8.830 S. Feb 18.2025 MiTek Industries. Inc. Mon Feb 24.11:40:27 ID:HmGaVZ8c6gpjrz2wBfe6edzitXz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-4-6

2x4 II 2

3



Scale = 1:30.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 9 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-4-6 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-4-6, 4=1-4-6

Max Horiz 4=-44 (LC 10)

Max Uplift 3=-461 (LC 35), 4=-461 (LC 32) Max Grav 3=475 (LC 36), 4=475 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-519/468, 1-2=-248/238, 2-3=-43/34

BOT CHORD 3-4=-294/261 WEBS 1-3=-534/579

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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 461 lb uplift at joint 4 and 461 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-4-6 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025



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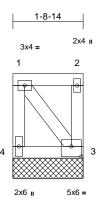
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P11	Flat Supported Gable	2	1	Job Reference (optional)	R86844819

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:27 ID:Mv0v7lqsl9YloLpcb6g6Fdzisyw-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1







1-8-14

Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P							1	
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-8-14, 4=1-8-14

Max Horiz 4=-44 (LC 10)

Max Uplift 3=-454 (LC 35), 4=-454 (LC 32) Max Grav 3=472 (LC 36), 4=472 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-508/463, 1-2=-327/317, 2-3=-58/45

BOT CHORD 3-4=-373/340 WEBS 1-3=-577/614

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 454 lb uplift at joint 4 and 454 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025

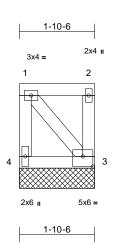
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P12	Flat Supported Gable	45	1	Joh Reference (optional)	R86844820

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:27 ID:1kc_0zf0tluEF97OkYMIBIzisvH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-10-6





Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

2x4 HF No 2 TOP CHORD 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 6-0-0 oc

bracing.

REACTIONS (size) 3=1-10-6, 4=1-10-6 Max Horiz 4=-44 (LC 10)

Max Uplift 3=-452 (LC 35), 4=-452 (LC 32) Max Grav 3=472 (LC 36), 4=472 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-506/462, 1-2=-354/344, 2-3=-63/49

BOT CHORD 3-4=-399/366 WEBS 1-3=-594/629

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 452 lb uplift at joint 4 and 452 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025



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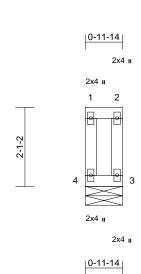


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P12A	Flat Supported Gable	2	1	Job Reference (optional)	R86844821

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:27 ID:kSt3uKvpzvFITF12MTgIS_zispn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

0-11-14



Scale = 1:30.5

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 6 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 0-11-14 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

3=0-11-14, 4=0-11-14 **REACTIONS** (size)

Max Horiz 4=-44 (LC 8)

Max Uplift 3=-59 (LC 9), 4=-59 (LC 8)

Max Grav 3=69 (LC 19), 4=69 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-61/68, 1-2=-6/8, 2-3=-61/68

BOT CHORD 3-4=-45/52

NOTES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 4 and 59 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



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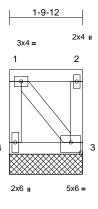
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P14	Flat Supported Gable	2	1	Job Reference (optional)	R86844822

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:27 ID:Mu0oCGV2QjmTtGuOmB30n4zhzLy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-9-12





1-9-12

Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-9-12 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-9-12, 4=1-9-12

Max Horiz 4=-44 (LC 8)

Max Uplift 3=-453 (LC 35), 4=-453 (LC 32) Max Grav 3=472 (LC 36), 4=472 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-507/462, 1-2=-343/333, 2-3=-61/48

BOT CHORD 3-4=-388/355 WEBS 1-3=-587/623

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 453 lb uplift at joint 4 and 453 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-9-12 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025



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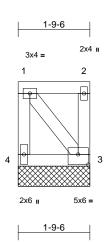
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P15	Flat Supported Gable	2	1	Job Reference (optional)	R86844823

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:27 ID:?JwSgpbFTTIMOBVd_H03SSzhz7d-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

1-9-6





Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-9-6 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-9-6, 4=1-9-6

Max Horiz 4=-44 (LC 8)

Max Uplift 3=-453 (LC 35), 4=-453 (LC 32) Max Grav 3=472 (LC 36), 4=472 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-507/462, 1-2=-336/326, 2-3=-60/47

BOT CHORD 3-4=-382/348 WEBS 1-3=-582/619

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 453 lb uplift at joint 4 and 453 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-9-6 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025



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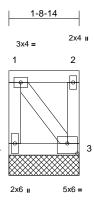
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P16	Flat Supported Gable	2	1	Job Reference (optional)	R86844824

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:28 ID:dxR8A_p9Z5r0LXv7GNhHTezhyz0-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

1-8-14





1-8-14

Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-8-14, 4=1-8-14

Max Horiz 4=-44 (LC 8)

Max Uplift 3=-454 (LC 35), 4=-454 (LC 32) Max Grav 3=472 (LC 36), 4=472 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-508/463, 1-2=-327/317, 2-3=-58/45

BOT CHORD 3-4=-373/340 WEBS 1-3=-577/614

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 454 lb uplift at joint 4 and 454 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025



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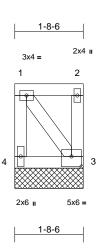
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P17	Flat Supported Gable	25	1	Job Reference (optional)	R86844825

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:28 ID:nd4bU0boj0eBkqqw3p5Vjcziv?d-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-8-6





Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 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 1-8-6 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-8-6, 4=1-8-6

Max Horiz 4=-44 (LC 10)

Max Uplift 3=-455 (LC 35), 4=-455 (LC 32) Max Grav 3=472 (LC 36), 4=472 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-508/463, 1-2=-319/309, 2-3=-56/44

BOT CHORD 3-4=-364/331 WEBS 1-3=-571/609

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 455 lb uplift at joint 4 and 455 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-6 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025

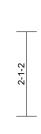


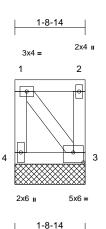
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P18	Flat Supported Gable	2	1	Job Reference (optional)	R86844826

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:28 ID:GdDFPoEPT?Bpzpow6k1hqaziv_p-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

1-8-14





Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 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 1-8-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-8-14, 4=1-8-14

Max Horiz 4=-44 (LC 10)

Max Uplift 3=-454 (LC 35), 4=-454 (LC 32) Max Grav 3=472 (LC 36), 4=472 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-508/463, 1-2=-327/317, 2-3=-58/45

BOT CHORD 3-4=-373/340 WEBS 1-3=-577/614

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 454 lb uplift at joint 4 and 454 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-8-14 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025

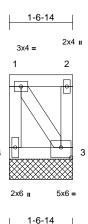
Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P19A	Flat Supported Gable	1	1	Job Reference (optional)	R86844827

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:28 ID:GvRCQ0MZoUok6OdVXZsyk?zhyCX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-6-14





Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/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 1-6-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-6-14, 4=1-6-14

Max Horiz 4=44 (LC 11)

Max Uplift 3=-457 (LC 35), 4=-457 (LC 32) Max Grav 3=473 (LC 36), 4=473 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-512/465, 1-2=-292/282, 2-3=-51/40

BOT CHORD 3-4=-338/305 WEBS 1-3=-556/596

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 4 and 457 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-6-14 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025



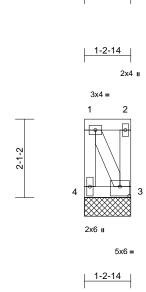
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P20	Flat Supported Gable	1	1	Job Reference (optional)	R86844828

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:28 ID:LcQ9Ha9zFm6N1XgBPQ2QPwzhyBV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

1-2-14



Scale = 1:30.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.10	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 8 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-2-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-2-14, 4=1-2-14

Max Horiz 4=44 (LC 11)

Max Uplift 3=-467 (LC 35), 4=-467 (LC 32) Max Grav 3=479 (LC 36), 4=479 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD $1\hbox{-}4\hbox{-}-528/473,\ 1\hbox{-}2\hbox{-}-222/212,\ 2\hbox{-}3\hbox{-}-38/30$

BOT CHORD 3-4=-267/234 WEBS 1-3=-524/574

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 467 lb uplift at joint 4 and 467 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-2-14 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025

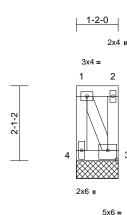
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P21	Flat Supported Gable	2	1	Job Reference (optional)	R86844829

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:28 ID:IGySBDnCdEWNfqve?zG0BtzhxxC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



1-2-0

Scale = 1:32.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.10	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 8 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-2-0 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-2-0, 4=1-2-0

Max Horiz 4=-44 (LC 10)

Max Uplift 3=-470 (LC 35), 4=-470 (LC 32) Max Grav 3=482 (LC 36), 4=482 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD $1-4=-534/476,\ 1-2=-207/197,\ 2-3=-35/27$

BOT CHORD 3-4=-252/219 WEBS 1-3=-520/573

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) 1) 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 470 lb uplift at joint 4 and 470 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 234 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-2-0 for 234.0 plf.

LOAD CASE(S) Standard



February 24,2025

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

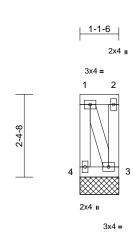


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P22	Flat Supported Gable	2	1	Job Reference (optional)	R86844830

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:29 ID:QUns03bRePWlvVC5T4DkX?zisrU-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:33.1

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	0.07	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	15.0	Rep Stress Incr	NO	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 9 lb	FT = 10%

1-1-6

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

1-1-6 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-1-6, 4=1-1-6

Max Horiz 4=-51 (LC 8)

Max Uplift 3=-275 (LC 35), 4=-275 (LC 32)

Max Grav 3=286 (LC 36), 4=286 (LC 39) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-4=-357/280, 1-2=-100/88, 2-3=-33/26

BOT CHORD 3-4=-152/114 WEBS 1-3=-293/366

NOTES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 4 and 275 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-1-6 for 100.0 plf.

LOAD CASE(S) Standard



February 24,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

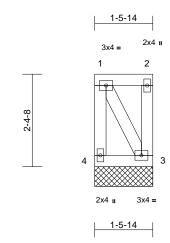


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P23	Flat Supported Gable	2	1	Job Reference (optional)	R86844831

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:29 ID:xUeC6HzquRy8fVD5Q9HYQ1zissI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-5-14



Scale = 1:29.5

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-5-14 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-5-14, 4=1-5-14

Max Horiz 4=51 (LC 9)

Max Uplift 3=-256 (LC 35), 4=-256 (LC 32) Max Grav 3=271 (LC 36), 4=271 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-323/263, 1-2=-134/122, 2-3=-48/38

BOT CHORD 3-4=-186/148 WEBS 1-3=-291/345

NOTES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 256 lb uplift at joint 4 and 256 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-5-14 for 100.0 plf.

LOAD CASE(S) Standard



February 24,2025



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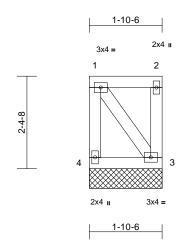


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P24	Flat Supported Gable	4	1	Job Reference (optional)	R86844832

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:29 ID:SZmgCSpPUx5pvJhzSQppoHzisaQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:29.5

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	NO	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 11 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3=1-10-6, 4=1-10-6

Max Horiz 4=51 (LC 9)

Max Uplift 3=-114 (LC 35), 4=-114 (LC 32)

Max Grav 3=399 (LC 36), 4=399 (LC 39) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-4=-441/124, 1-2=-167/156, 2-3=-195/0

BOT CHORD 3-4=-220/182 WEBS 1-3=-303/348

NOTES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 4 and 114 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 14) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 100.0 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-248, 3-4=-20



February 24,2025



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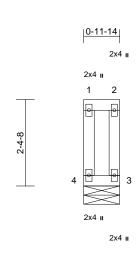


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P24A	Flat Supported Gable	2	1	Job Reference (optional)	R86844833

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:29 ID: JL847gTbhXaYXZiwhCVdSBz isqM-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff

Page: 1





0-11-14

Scale = 1:31.6

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 6 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

0-11-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

3=0-11-14, 4=0-11-14 **REACTIONS** (size)

Max Horiz 4=-51 (LC 10) Max Uplift 3=-78 (LC 9), 4=-78 (LC 8)

Max Grav 3=87 (LC 10), 4=87 (LC 11) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-4=-76/83, 1-2=-6/9, 2-3=-76/83

BOT CHORD 3-4=-52/60

NOTES

- 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
- 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.
- 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.
- Provide adequate drainage to prevent water ponding.
- 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).
- Gable studs spaced at 2-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) All bearings are assumed to be HF No.2 .
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 4 and 78 lb uplift at joint 3.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025



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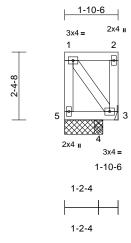


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P25	Flat	2	1	Job Reference (optional)	R86844834

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:29 ID:aQhjny?uO2RvgNAoB?ZomyzisYu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





0-8-2 Scale = 1:40.3

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	0.17	Vert(LL)	0.00	5	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	5	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0	l									Weight: 11 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4=0-3-8, 5=1-4-0

Max Horiz 5=51 (LC 11)

Max Uplift 3=-123 (LC 35), 5=-119 (LC 32) Max Grav 3=384 (LC 36), 4=43 (LC 3), 5=391

(LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-5=-432/124, 1-2=-167/156, 2-3=-195/0

BOT CHORD 4-5=-176/144, 3-4=-224/192

WEBS 1-3=-303/337

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.

- All bearings are assumed to be HF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 5 and 123 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 100.0 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft) Vert: 1-2=-248, 3-5=-20



February 24,2025



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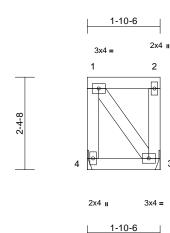


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P26	Flat	14	1	Job Reference (optional)	R86844835

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:30 ID:3EPfOAEU8hQIWCYbj8vyRgzisXH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-10-6



Scale = 1:29.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	0.00	3-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	3-4	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 11 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

Structural wood sheathing directly applied or TOP CHORD 1-10-6 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical

Max Horiz 4=-51 (LC 8)

Max Uplift 3=-114 (LC 35), 4=-114 (LC 32) Max Grav 3=399 (LC 36), 4=399 (LC 39)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-4=-432/124, 1-2=-167/156, 2-3=-195/0

BOT CHORD 3-4=-213/182 WEBS 1-3=-303/337

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 4 and 114 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 100.0 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-248, 3-4=-20



February 24,2025



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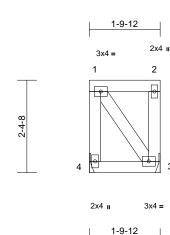


Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P27	Flat	2	1	Joh Reference (optional)	R86844836

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:30 ID:idPYNiZhpA1?4yRC3HG6wlzhzTc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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Scale = 1:29.5

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	3-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	3-4	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 11 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-9-12 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical

Max Horiz 4=51 (LC 11)

Max Uplift 3=-120 (LC 35), 4=-120 (LC 32) Max Grav 3=395 (LC 36), 4=395 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-429/129, 1-2=-163/151, 2-3=-189/0

BOT CHORD 3-4=-209/177 WEBS 1-3=-301/336

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 4 and 120 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-9-12 for 100.0 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-248, 3-4=-20



February 24,2025



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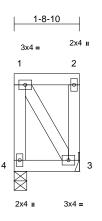
Job	Truss	Truss Type	Qty		MKM EAST TOWN CROSSING BLDG C				
4449044	P28	Flat	2	1	Joh Reference (optional)	R86844837			

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:30 ID:2IXPhGqYH6bM53zqRzd3ffzhyrE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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1-8-10





1-8-10

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	0.13	Vert(LL)	0.00	3-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	3-4	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0	l				l					Weight: 11 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

1-8-10 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4=0-4-0

Max Horiz 4=-68 (LC 33) Max Uplift 3=-156 (LC 35), 4=-156 (LC 32)

Max Grav 3=414 (LC 36), 4=414 (LC 39) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-4=-455/164, 1-2=-157/144, 2-3=-177/0

BOT CHORD 3-4=-205/171 WEBS 1-3=-321/362

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 4 and 156 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-7-0 for 108.6 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-248, 3-4=-20



February 24,2025



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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P29	Flat	18	1	Job Reference (optional)	R86844838

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Mon Feb 24 11:40:30 $ID: ZxpT42bxXSczEEb2vqHw_xzhysr-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff$

Page: 1



1-10-6

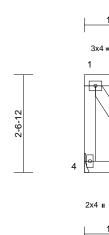
2x4 II

3

3x4 =

1-10-6

2



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	0.17	Vert(LL)	0.00	3-4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	3-4	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 12 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

Structural wood sheathing directly applied or TOP CHORD 1-10-6 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical

Max Horiz 4=56 (LC 11)

Max Uplift 3=-140 (LC 35), 4=-140 (LC 32) Max Grav 3=424 (LC 36), 4=424 (LC 39)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-4=-463/149, 1-2=-170/157, 2-3=-195/0

BOT CHORD 3-4=-220/185 WEBS 1-3=-325/364

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 4 and 140 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 100.0 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-248, 3-4=-20



February 24,2025



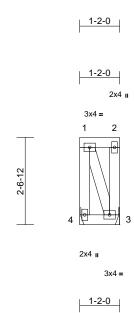
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	P30	Flat	2	1	Job Reference (optional)	R86844839

Run: 8.83 S. Feb 18 2025 Print: 8.830 S. Feb 18 2025 MiTek Industries. Inc. Mon Feb 24 11:40:30 ID:Lu?SslSnxyaYJ3RjMpm2oCzhyVn-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:33.8

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	0.06	Vert(LL)	0.00	4	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4	>999	180		
TCDL	15.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2 **BOT CHORD** 2x4 HF No.2 2x4 HF No.2 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

1-2-0 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical

Max Horiz 4=56 (LC 11)

Max Uplift 3=-229 (LC 35), 4=-229 (LC 32) Max Grav 3=387 (LC 36), 4=387 (LC 39)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-448/234, 1-2=-107/94, 2-3=-109/0

BOT CHORD 3-4=-157/122 WEBS 1-3=-321/383

NOTES

- 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
- 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.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be HF No.2.

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 4 and 229 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 11) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-2-0 for 100.0 plf.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-248, 3-4=-20



February 24,2025



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Job	Truss	Truss Type	Qty	Ply	MKM EAST TOWN CROSSING BLDG C	
4449044	R01	Rafter	2	1	Job Reference (optional)	R86844840

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Page: 1

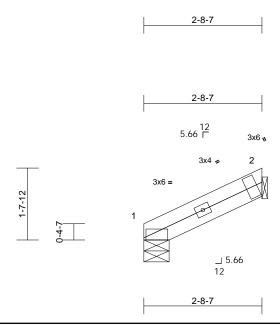


Plate Offsets (X, Y): [1:0-0-9,Edge], [1:1-4-3,0-1-0], [2:0-2-8,2-7-7]

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	0.06	Vert(LL)	0.00	1-2	>999	240	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.00	Vert(CT)	0.00	1-2	>999	180		
TCDL	15.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IBC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 7 lb	FT = 10%

LUMBER

TOP CHORD 2x4 HF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-8-7 oc purlins.

BOT CHORD Rigid ceiling directly applied.

REACTIONS (size) 1=0-6-15, 2= Mechanical

Max Horiz 1=33 (LC 14)

Max Uplift 1=-16 (LC 14), 2=-32 (LC 14)

Max Grav 1=145 (LC 20), 2=145 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-50/50

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
- 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.
- Unbalanced snow loads have been considered for this design.
- Plates checked for a plus or minus 0 degree rotation about its center.
- * 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.
- All bearings are assumed to be HF No.2 .
- Refer to girder(s) for truss to truss connections.

- 8) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1 and 32 lb uplift at joint 2.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 24,2025

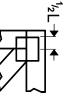


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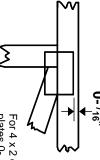


Symbols

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- $\frac{1}{16}$ 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 × 4

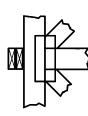
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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.

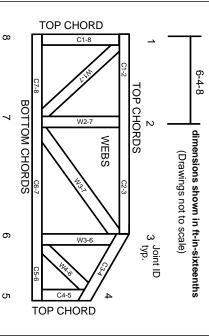
Industry Standards:

National Design Specification for Metal Plate Connected Wood Truss Construction Design Standard for Bracing.

Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

ANSI/TPI1: DSB-22:

Numbering System



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

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

Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282 ESR-4722, ESL-1388

Design General Notes

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- 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.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.

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- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.

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- 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.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- 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.
- The design does not take into account any dynamic or other loads other than those expressly stated.