

RE: B240062 - Lot 188 HM

Site Information:

Project Customer: Summit Homes Project Name:

Lot/Block: 188 Subdivision: Highland Meadows

Model: Charleston - Mediterranean

Address: 2760 SW 11th St

City: Lee's Summit State: MO

General Truss Engineering Criteria & Design Loads (Individual Truss Design

Drawings Show Special Loading Conditions):

Design Code: IRC2018/TPI2014 Design Program: MiTek 20/20 8.7

Wind Code: ASCE 7-16 [Noting R.Specjed: 115 mph Design Method: MWFRS (Envelope) ASCE 7-16 [Low Rise]

Roof Load: 45.0 psf Floor Load: N/A psf

Mean Roof Height (feet): 25 Exposure Category: C

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1 2	164697895 164697896	A1 A2	4/5/24 4/5/24	35 36	164697929 164697930	J8 J9	4/5/24 4/5/24
2 3 4 5 6 7	164697897 164697898	B1 B2	4/5/24 4/5/24	37 38	164697931 164697932	J10 J11	4/5/24 4/5/24
5	164697899	B3	4/5/24	39	164697933	J12	4/5/24
6 7	164697900 164697901	B4 B5	4/5/24 4/5/24	40 41	164697934 164697935	J13 J14	4/5/24 4/5/24
8 9	164697902	C1	4/5/24	42	164697936	J15	4/5/24
9 10	164697903 164697904	C2 C3	4/5/24 4/5/24	43 44	164697937 164697938	J16 J17	4/5/24 4/5/24
11	164697905	C4	4/5/24	45	164697939	J18	4/5/24
12 13	164697906 164697907	C5 C6	4/5/24 4/5/24	46 47	164697940 164697941	J19 J20	4/5/24 4/5/24
14 15	164697908 164697909	Č7 C8	4/5/24 4/5/24	48 49	164697942 164697943	J21 J22	4/5/24 4/5/24
16	164697910	C9	4/5/24	50	164697944	J23	4/5/24
17 18	164697911 164697912	C10 C11	4/5/24 4/5/24	51 52	164697945 164697946	J24 J25	4/5/24 4/5/24
19	164697913	Č12	4/5/24	53	164697947	J26	4/5/24
20 21	164697914 164697915	C13 C14	4/5/24 4/5/24	54 55	164697948 164697949	J27 J28	4/5/24 4/5/24
22	164697916	Č15	4/5/24	56	164697950	J29	4/5/24
23 24	164697917 164697918	C16 C17	4/5/24 4/5/24	57 58	164697951 164697952	J30 J31	4/5/24 4/5/24
25 26	164697919 164697920	D1 D2	4/5/24 4/5/24	59 60	164697953 164697954	J32 J33	4/5/24 4/5/24
27	164697921	D3	4/5/24	61	164697955	J34	4/5/24
28 29	164697922 164697923	J1 J2	4/5/24 4/5/24	62 63	164697956 164697957	LAY1 LAY2	4/5/24 4/5/24
30 31	164697924	J3	4/5/24	64	164697958	LAY3	4/5/24
31 32	164697925 164697926	J4 J5	4/5/24 4/5/24	65 66	164697959 164697960	V1 V2	4/5/24 4/5/24
33	164697927	J6	4/5/24	67	164697961	V3	4/5/24
34	164697928	J7	4/5/24	68	164697962	V4	4/5/24

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Wheeler - Waverly.

Truss Design Engineer's Name: Sevier, Scott

My license renewal date for the state of Missouri is December 31, 2025.

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.



MiTek, Inc.

314.434.1200

16023 Swingley Ridge Rd.

Chesterfield, MO 63017

April 5,2024

1 of 1

Sevier, Scott

Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	A1	Hip Girder	1	1	Job Reference (optional)	164697895

1-7-14

-1-4-8

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:52 ID:y8pL7?yA640MJPA9qB9mm0zU8BK-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

7-3-12

8-8-4

5-7-14

Page: 1

		1-4-8	1-7-14		4-0-0	1	-7-14	1-4-8	1
			1-2-14	4x5 =		4x8 =	-2-14		
1-4-10	0-01-0			9	11 🔀	8	0-3-10	5	6
			3x10 II	2x4 II		3x4 =		3х10 ш	
			1-6-10 1-6-10	-	5-9-2 4-2-8		7-3-12 1-6-10	_	

Scale = 1:25.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.02	8-9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.05	8-9	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.02	8-9	>999	240	Weight: 26 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 2x4 SPF No.2 **BOT CHORD** 2x3 SPF No.2 WEBS

BRACING

BOT CHORD

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

> 2-0-0 oc purlins (6-0-0 max.): 3-4. Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 7=0-5-4, 10=0-5-4

Max Horiz 10=-11 (LC 31) Max Uplift 7=-141 (LC 5), 10=-141 (LC 4)

Max Grav 7=414 (LC 1), 10=414 (LC 1)

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/33, 2-3=-329/73, 3-4=-276/76,

4-5=-329/72, 5-6=0/33, 2-10=-330/126,

5-7=-330/126

BOT CHORD 9-10=-34/282, 8-9=-38/282, 7-8=-34/282

WEBS 3-9=-23/85, 3-8=-13/15, 4-8=-23/84

NOTES

FORCES

- 1) Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2 .

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 10 and 141 lb uplift at joint 7.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 49 lb down and 13 lb up at 1-7-14, and 49 lb down and 12 lb up at 3-7-14, and 49 lb down and 13 lb up at 5-7-14 on top chord, and 33 lb down and 17 lb up at 1-7-14, and 3 Ib down and 5 lb up at 3-7-14, and 33 lb down and 17 lb up at 5-7-2 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-3=-70, 3-4=-70, 4-5=-70, 5-6=-70,

7-10=-20

Concentrated Loads (lb)

Vert: 9=7 (F), 8=7 (F), 12=5 (F)



April 5,2024



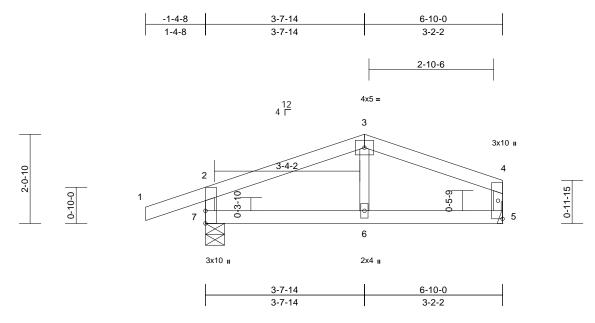
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	A2	Common	1	1	Job Reference (optional)	164697896

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:53 ID: bvU0VUhMIKFUg1UwYZmbtNzU8Bg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:26.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.02	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.04	6-7	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	6-7	>999	240	Weight: 20 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS

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) 5= Mechanical, 7=0-5-4

Max Horiz 7=26 (LC 5)

Max Uplift 5=-41 (LC 5), 7=-113 (LC 4) Max Grav 5=287 (LC 1), 7=413 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/33, 2-3=-292/45, 3-4=-283/41,

2-7=-346/131, 4-5=-213/54 BOT CHORD 6-7=-23/227, 5-6=-23/227

WFBS 3-6=-9/93

NOTES

- Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 7 and 41 lb uplift at joint 5.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

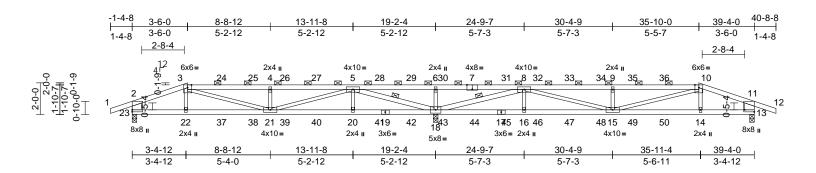
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	B1	Hip Girder	1	1	Job Reference (optional)	164697897

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:53 ID:NSJTn4Fs7FY5L_0nTv3Fp7z4SeO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:72.8

Plate Offsets	(X, Y	'):	[7:0-4-0,Edge],	[13:Edge,0-7-4]
---------------	-------	-----	-----------------	-----------------

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.18	14-15	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.34	14-15	>696	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.16	14-15	>999	240	Weight: 134 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF 2100F 1.8E BOT CHORD 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF 2100F 1.8E WEBS 2x3 SPF No.2 *Except*

2x3 SPF No.2 *Except* 23-2,13-11:2x8 SP 2400F 2.0E, 18-5,18-8:2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals, and

2-0-0 oc purlins (4-6-11 max.): 3-10.

Rigid ceiling directly applied or 10-0-0 or

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

bracing.
WEBS 1 Row a

1 Row at midpt 5-18, 8-18

REACTIONS (size) 13=0-3-8, 18=0-3-8, 23=0-3-8 Max Horiz 23=-13 (LC 31)

Max Uplift 13=-286 (LC 31)

23=-271 (I C 4)

Max Grav 13=1023 (LC 22), 18=2626 (LC 1),

23=958 (LC 21)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/37, 2-3=-1364/312, 3-4=-1915/451,

4-5=-1912/449, 5-6=-577/2739,

6-8=-577/2739, 8-9=-2259/526, 9-10=-2262/528, 10-11=-1499/342,

11-12=0/37, 2-23=-790/246, 11-13=-844/257 BOT CHORD 22-23=-247/1219, 21-22=-251/1214,

22-23=-24//1219, 21-22=-251/1214, 20-21=-56/392, 18-20=-56/392.

16-18=-122/716, 15-16=-122/716,

14-15=-272/1339, 13-14=-268/1343

3-22=0/168, 6-18=-511/226, 10-14=0/167,

4-21=-502/226, 5-20=0/234, 3-21=-154/745,

5-21=-357/1594, 5-18=-3253/715,

8-16=0/260, 9-15=-529/239, 10-15=-206/975,

8-15=-361/1609, 8-18=-3573/782

NOTES

WFBS

 Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 3) Provide adequate drainage to prevent water ponding.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0pst on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) All bearings are assumed to be SPF 2100F 1.8E.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 271 lb uplift at joint 23, 572 lb uplift at joint 18 and 286 lb uplift at joint 13.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 73 lb down and 51 lb up at 3-6-0, 73 lb down and 50 lb up at 5-8-0, 73 lb down and 50 lb up at 7-8-0, 73 lb down and 50 lb up at 9-8-0, 73 lb down and 50 lb up at 11-8-0, 73 lb down and 50 lb up at 13-8-0, 73 lb down and 50 lb up at 15-8-0, 73 lb down and 50 lb up at 17-8-0, 73 lb down and 50 lb up at 19-8-0, 73 lb down and 50 lb up at 21-8-0, 73 lb down and 50 lb up at 23-8-0, 73 lb down and 50 lb up at 25-8-0, 73 lb down and 50 lb up at 27-8-0, 73 lb down and 50 lb up at 29-8-0, 73 lb down and 50 lb up at 31-8-0, and 73 lb down and 50 lb up at 33-8-0, and 73 lb down and 51 lb up at 35-10-0 on top chord, and 139 lb down and 51 lb up at 3-6-0, 22 lb down at 5-8-0, 22 lb down at 7-8-0, 22 lb down at 9-8-0, 22 lb down at 11-8-0, 22 lb down at 13-8-0, 22 lb down at 15-8-0, 22 lb down at 17-8-0, 22 lb down at 19-8-0, 22 lb down at 21-8-0, 22 lb down at 23-8-0, 22 lb down at 25-8-0, 22 lb down at 27-8-0, 22 lb down at 29-8-0, 22 lb down at 31-8-0, and 22 lb down at 33-8-0, and 139 lb down and 51 lb up at 35-8-0 on bottom chord. The design/selection of such connection device (s) is the responsibility of others.



April 5,2024

Continued on page 2

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	Lot 188 HM	
B240062	B1	Hip Girder	1	1	Job Reference (optional)	164697897

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:53 $ID: NSJTn4Fs7FY5I_0nTv3Fp7z4SeO-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? factor of the property of the pr$

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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-70, 2-3=-70, 3-10=-70, 10-11=-70, 11-12=-70, 13-23=-20 Concentrated Loads (lb) Vert: 3=-24 (B), 7=-24 (B), 22=-139 (B), 14=-139 (B), 10=-24 (B), 20=-13 (B), 5=-24 (B), 24=-24 (B), 25=-24 (B), 26=-24 (B), 27=-24 (B), 28=-24 (B), 29=-24 (B), 30=-24 (B), 31=-24 (B), 32=-24 (B), 33=-24 (B), 34=-24 (B), 35=-24 (B), 36=-24 (B), 37=-13 (B), 38=-13 (B), 39=-13 (B), 40=-13 (B), 41=-13 (B), 42=-13 (B), 43=-13 (B), 48=-13 (B), 45=-13 (B), 46=-13 (B), 47=-13 (B), 48=-13 (B), 49=-13 (B), 50=-13 (B)

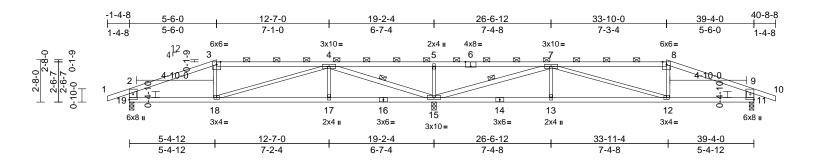


Page: 2

Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	B2	Hip	1	1	Job Reference (optional)	164697898

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:54

Page: 1



Scale = 1:72.5

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

Landing	(nof)	Cunaina	2-0-0	CSI		DEFL		(10.0)	I/defl	ا الما	PLATES	GRIP
Loading	(psf)	Spacing	2-0-0	COI		DELL	in	(loc)	ı/aeıi	L/a	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.15	12-13	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.32	12-13	>739	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.12	12-13	>999	240	Weight: 132 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 *Except* 6-8:2x4 SPF 2100F

1.8E

BOT CHORD 2x4 SPF No.2

2x3 SPF No.2 *Except* 15-4,15-7:2x4 SPF **WEBS**

No.2, 19-2,11-9:2x6 SP 2400F 2.0E

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-8-2 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 3-8.

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

bracing.

WFBS 4-15. 7-15 1 Row at midpt

REACTIONS (size) 11=0-3-8, 15=0-3-8, 19=0-3-8

19=-19 (LC 9) Max Horiz Max Uplift 11=-203 (LC 5), 15=-387 (LC 4),

19=-192 (LC 4)

11=788 (LC 22), 15=2212 (LC 1), Max Grav

19=734 (LC 21)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/36, 2-3=-992/188, 3-4=-875/204,

4-5=-244/1855. 5-7=-244/1855. 7-8=-986/226, 8-9=-1114/212, 9-10=0/36,

2-19=-646/210, 9-11=-694/220

18-19=-128/871, 17-18=-97/491,

15-17=-97/491. 13-15=-139/779.

12-13=-139/779, 11-12=-135/983

3-18=-48/131, 4-18=-37/420, 4-17=0/280,

4-15=-2445/435, 5-15=-481/193, 7-15=-2723/482, 7-13=0/308, 7-12=-17/232,

8-12=0/164

NOTES

WEBS

BOT CHORD

1) Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 19, 387 lb uplift at joint 15 and 203 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024

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

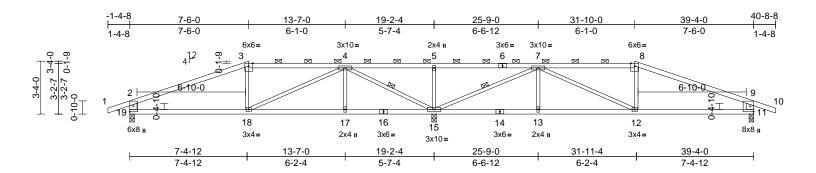
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	B3	Hip	1	1	Job Reference (optional)	164697899

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:54 ID:rftr_QGUuZgyN8bz0caUMLz4SeN-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:72.6

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.09	12-13	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.17	12-13	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.07	12-13	>999	240	Weight: 128 lb	FT = 10%

LUMBER

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

2x3 SPF No.2 *Except* 19-2,11-9:2x6 SP WEBS

2400F 2.0E

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-7-3 max.): 3-8.

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

bracing.

WEBS 1 Row at midpt 4-15, 7-15

REACTIONS (size) 11=0-3-8, 15=0-3-8, 19=0-3-8

Max Horiz 19=30 (LC 12)

Max Uplift 11=-217 (LC 5), 15=-348 (LC 4). 19=-207 (LC 4)

Max Grav 11=797 (LC 1), 15=2183 (LC 1),

19=743 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/36, 2-3=-907/215, 3-4=-781/239,

4-5=-72/1368, 5-7=-72/1368, 7-8=-900/262,

8-9=-1036/240, 9-10=0/36, 2-19=-665/248,

9-11=-713/258 **BOT CHORD**

18-19=-145/774, 17-18=-105/189, 15-17=-105/189, 13-15=-119/457,

12-13=-119/457. 11-12=-144/895

WEBS 3-18=-147/112, 4-18=-62/651, 4-17=0/215,

4-15=-1748/285, 5-15=-434/174,

7-15=-1991/323, 7-13=0/248, 7-12=-32/489,

8-12=-88/99

NOTES

- Unbalanced roof live loads have been considered for 1) this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 3) 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 19, 348 lb uplift at joint 15 and 217 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



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

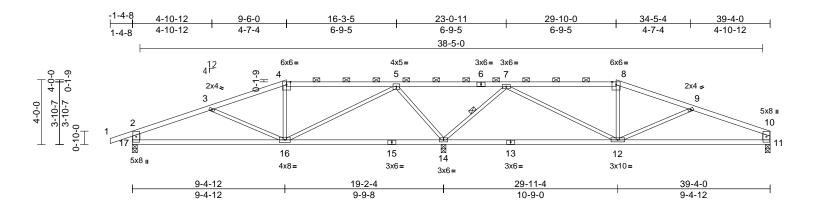
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	B4	Hip	1	1	Job Reference (optional)	164697900

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:54 ID:KrRDCIH6ftop?IAAaK5juYz4SeM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:71.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.19	12-14	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.41	12-14	>590	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.79	Horz(CT)	-0.01	14	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.08	12-14	>999	240	Weight: 128 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2

BOT CHORD 2x4 SPF No.2 *Except* 15-13:2x4 SPF

2100F 1.8E

WEBS 2x3 SPF No.2 *Except* 17-2,11-10:2x6 SP

2400F 2.0E

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-10-7 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 4-8.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

WEBS 7-14 1 Row at midpt

REACTIONS (size) 11=0-3-8, 14=0-3-8, 17=0-3-8

Max Horiz 17=51 (LC 12)

Max Uplift 11=-100 (LC 5), 14=-430 (LC 5), 17=-161 (LC 4)

11=619 (LC 22), 14=2415 (LC 1), Max Grav

17=698 (LC 21)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/36, 2-3=-860/172, 3-4=-534/62,

4-5=-485/87, 5-7=-343/1780, 7-8=-597/111, 8-9=-650/88, 9-10=-982/208, 2-17=-603/207,

10-11=-520/142

BOT CHORD 16-17=-156/743, 14-16=-871/235,

12-14=-621/156. 11-12=-164/862 WEBS 3-16=-336/192 4-16=-296/144

> 5-16=-198/1324, 5-14=-1440/383 7-14=-1579/416. 7-12=-166/1230.

8-12=-247/136, 9-12=-330/204

NOTES

- 1) Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 3) 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.
- Bearings are assumed to be: Joint 17 SPF No.2, Joint 14 SPF 2100F 1.8E , Joint 11 SPF No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 161 lb uplift at joint 17, 430 lb uplift at joint 14 and 100 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



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	Lot 188 HM	
B240062	B5	Roof Special Girder	1	1	Job Reference (optional)	164697901

2-0-0

1-4-8

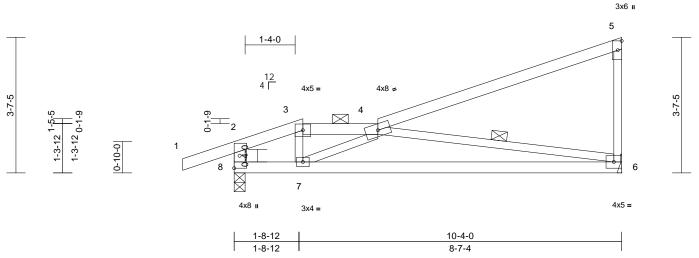
1-10-0

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:54 ID:KrRDCIH6ftop?IAAaK5juYz4SeM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

6-6-0

-1-4-8	1-10-0	3-10-0	1	10-4-0



Scale = 1:30.7

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.17	6-7	>726	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.35	6-7	>346	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.05	6-7	>999	240	Weight: 36 lb	FT = 10%

LUMBER

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

2x3 SPF No.2 *Except* 8-2:2x4 SPF No.2 WEBS

BRACING

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

2-0-0 oc purlins (6-0-0 max.): 3-4.

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

bracing

WEBS 1 Row at midpt 4-6

REACTIONS (size) 6= Mechanical, 8=0-3-8

Max Horiz 8=154 (LC 5)

Max Uplift 6=-96 (LC 8), 8=-162 (LC 4) Max Grav 6=447 (LC 1), 8=576 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/34, 2-3=-617/23, 3-4=-497/28,

4-5=-146/28, 5-6=-203/91, 2-8=-513/106

BOT CHORD 7-8=-69/523, 6-7=-271/1042

WEBS 3-7=0/354, 4-7=-612/264, 4-6=-1013/301

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 96 lb uplift at joint 6 and 162 lb uplift at joint 8.

- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 54 lb down and 33 lb up at 1-10-0 on top chord, and 32 lb down and 22 lb up at 1-10-0 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-3=-70, 3-4=-70, 4-5=-70, 6-8=-20

Concentrated Loads (lb)

Vert: 7=-10 (F)



April 5,2024

Page: 1



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

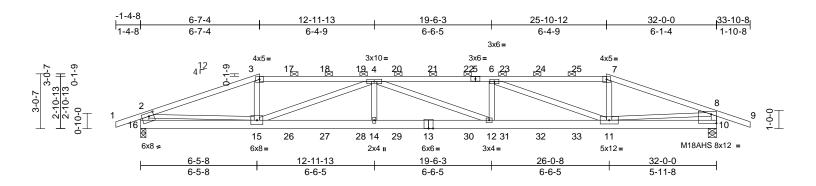
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C1	Hip Girder	1	2	Job Reference (optional)	164697902

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:54 ID:GEZ_dRINBU2XEbKYhl7Bzzz4SeK-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:64

Plate Offsets (X, \	Y): [10:Edge,0-6-0]	, [16:0-3-4,0-2-4]
---------------------	---------------------	--------------------

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.30	12-14	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.55	12-14	>692	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.25	12-14	>999	240	Weight: 318 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 *Except* 3-5,5-7:2x4 SPF

2100F 1.8E

BOT CHORD 2x6 SP 2400F 2.0E

WEBS 2x4 SPF No.2 *Except* 16-2:2x6 SP 2400F 2.0E, 15-2,11-8:2x3 SPF No.2, 10-8:2x4 SPF

2100F 1.8E

BRACING

TOP CHORD

TOP CHORD Structural wood sheathing directly applied,

except end verticals, and 2-0-0 oc purlins

(5-1-3 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

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

Max Horiz 16=26 (LC 12)

Max Uplift 10=-652 (LC 5), 16=-625 (LC 4) Max Grav 10=2936 (LC 1), 16=2869 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/36, 2-3=-6337/1267, 3-4=-5870/1223,

4-6=-9098/1842, 6-7=-5610/1161,

7-8=-6051/1203, 8-9=0/45, 2-16=-2647/621,

8-10=-2752/648 BOT CHORD 15-16=-424/2009, 14-15=-1800/9250,

12-14=-1800/9250, 11-12=-1754/9098,

10-11=-221/1146

3-15=-189/1523, 4-15=-3724/753, 4-14=0/577, 4-12=-228/53, 6-12=0/571,

6-11=-3821/775, 7-11=-176/1445,

2-15=-729/3953, 8-11=-868/4567

NOTES

WEBS

 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, 2x3 - 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.
- Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 5) Provide adequate drainage to prevent water ponding.
- 6) 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.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) All bearings are assumed to be SP 2400F 2.0E .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 625 lb uplift at joint 16 and 652 lb uplift at joint 10.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 149 lb down and 85 lb up at 8-3-0, 149 lb down and 85 lb up at 10-3-0, 149 lb down and 85 lb up at 12-3-0, 149 lb down and 85 lb up at 14-3-0, 149 lb down and 85 lb up at 16-3-0, 149 lb down and 85 lb up at 18-3-0, 149 lb down and 85 lb up at 20-3-0, and 149 lb down and 85 lb up at 22-3-0, and 149 lb down and 85 lb up at 24-3-0 on top chord, and 519 lb down and 133 lb up at 6-7-4, 80 lb down at 8-3-0, 80 lb down at 10-3-0, 80 lb down at 12-3-0, 80 lb down at 14-3-0, 80 lb down at 16-3-0, 80 lb down at 18-3-0, 80 lb down at 20-3-0, 80 lb down at 22-3-0, and 80 lb down at 24-3-0, and 519 lb down and 133 lb up at 25-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-3=-70, 3-7=-70, 7-8=-70, 8-9=-70, 10-16=-20

Concentrated Loads (lb)



Continued on page 2

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	Lot 188 HM	
B240062	C1	Hip Girder	1	2	Job Reference (optional)	164697902

Vert: 13=-57 (F), 15=-519 (F), 11=-519 (F), 17=-128 (F), 18=-128 (F), 19=-128 (F), 20=-128 (F), 21=-128 (F), 22=-128 (F), 23=-128 (F), 24=-128 (F), 25=-128 (F), 26=-57 (F), 27=-57 (F), 28=-57 (F), 29=-57 (F), 30=-57 (F), 31=-57 (F), 32=-57 (F)

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:54 $ID:GEZ_dRINBU2XEbKYhl7Bzzz4SeK-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff$

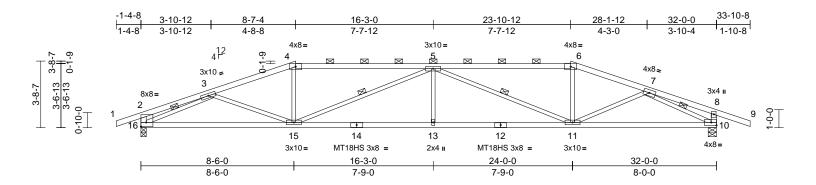
Page: 2



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C2	Hip	1	1	Job Reference (optional)	164697903

Run: 8.73 S. Mar 21 2024 Print: 8.730 S.Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:55 ID:8?oUSpLtEjYzjDdKwaC78pz4SeG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:64.1

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

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	I /d	PLATES	GRIP
-	. ,	, .						` '			_	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.28	13-15	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.51	13-15	>742	240	MT18HS	197/144
BCLL	0.0*	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.22	13-15	>999	240	Weight: 114 lb	FT = 10%

LUMBER

2x4 SPF No.2 *Except* 4-6:2x4 SPF 2100F TOP CHORD

1.8E

BOT CHORD 2x4 SPF No.2

WEBS 2x3 SPF No.2 *Except* 16-2,10-8:2x4 SPF

No.2

BRACING TOP CHORD

Structural wood sheathing directly applied or

2-11-12 oc purlins, except end verticals, and 2-0-0 oc purlins (3-11-15 max.): 4-6.

BOT CHORD Rigid ceiling directly applied or 2-2-0 oc

bracing.

WFBS 5-15, 5-11, 3-16, 7-10 1 Row at midpt

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

Max Horiz 16=35 (LC 8)

Max Uplift 10=-338 (LC 5), 16=-317 (LC 4) Max Grav 10=1570 (LC 1), 16=1531 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/34, 2-3=-410/27, 3-4=-2876/504,

TOP CHORD 4-5=-2683/504, 5-6=-2567/476,

6-7=-2736/476, 7-8=-251/27, 8-9=0/45,

2-16=-388/123. 8-10=-370/141 15-16=-467/2476, 13-15=-562/3556,

11-13=-562/3556, 10-11=-367/2229 WFBS

3-15=0/434, 4-15=0/476, 5-15=-1093/248,

5-13=0/292, 5-11=-1198/266, 6-11=0/451,

7-11=-22/519, 3-16=-2387/535,

7-10=-2352/496

NOTES

BOT CHORD

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 317 lb uplift at joint 16 and 338 lb uplift at joint 10.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



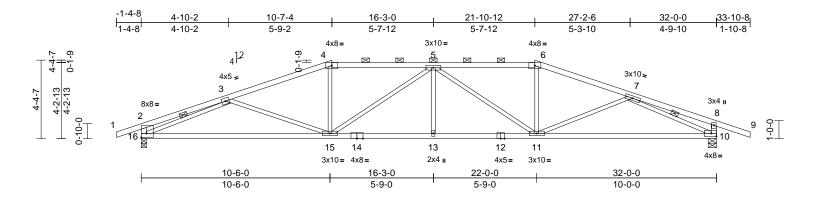
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	C3	Hip	1	1	Job Reference (optional)	164697904

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:55 ID:50wFtUN7mKogyWni2?EbDEz4SeE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:64.1

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

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.25	15-16	>999		MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.55	15-16	>695	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.16	13-15	>999	240	Weight: 117 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2

2x4 SPF 2100F 1.8E *Except* 14-12:2x4 BOT CHORD

SPF No.2

WFBS 2x3 SPF No.2 *Except* 16-2,10-8:2x4 SPF

No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-2 max.): 4-6.

BOT CHORD Rigid ceiling directly applied or 9-0-11 oc

bracing.

WFBS 3-16, 7-10 1 Row at midpt

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

Max Horiz 16=47 (LC 12)

Max Uplift 10=-329 (LC 5), 16=-308 (LC 4)

Max Grav 10=1570 (LC 1), 16=1531 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/34, 2-3=-527/6, 3-4=-2731/457,

4-5=-2527/461, 5-6=-2452/442,

 $6-7=-2645/438,\ 7-8=-359/11,\ 8-9=0/45,$

2-16=-429/125. 8-10=-403/143

BOT CHORD 15-16=-500/2605, 13-15=-414/2889 11-13=-414/2889, 10-11=-396/2383

WFBS 3-15=-110/232, 4-15=-2/468, 5-15=-598/172,

5-13=0/125, 5-11=-670/184, 6-11=-5/454,

7-11=0/313, 3-16=-2378/571, 7-10=-2388/536

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF 2100F 1.8E .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 308 lb uplift at joint 16 and 329 lb uplift at joint 10.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



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	Lot 188 HM	
B240062	C4	Hip	1	1	Job Reference (optional)	164697905

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:55 ID:50wFtUN7mKogyWni2?EbDEz4SeE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

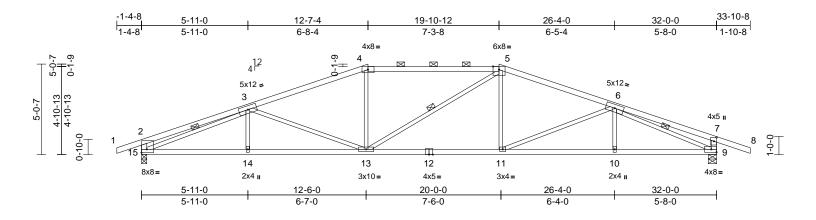


Plate Offsets (X, Y): [7:0-2-8,0-1-12], [15:Edge,0-2-4]

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.19	(/	>999		MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)			>988	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.13	9	n/a	n/a		
BCDL		Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.15	13-14	>999	240	Weight: 118 lb	FT = 10%

LUMBER

2x4 SPF No.2 *Except* 4-5:2x4 SPF 2100F TOP CHORD

1.8E

BOT CHORD 2x4 SPF No.2

2x3 SPF No.2 *Except* 15-2,9-7:2x4 SPF **WEBS**

No.2

BRACING TOP CHORD

Structural wood sheathing directly applied,

except end verticals, and 2-0-0 oc purlins

(3-9-8 max.): 4-5.

BOT CHORD Rigid ceiling directly applied or 8-11-5 oc

bracing.

WFBS 3-15, 6-9, 5-13 1 Row at midpt

REACTIONS (size) 9=0-5-8, 15=0-3-8

Max Horiz 15=59 (LC 12)

Max Uplift 9=-318 (LC 5), 15=-298 (LC 4) Max Grav 9=1570 (LC 1), 15=1531 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/34. 2-3=-634/132. 3-4=-2544/425.

4-5=-2345/437, 5-6=-2496/411, 6-7=-371/84, 7-8=0/45, 2-15=-504/182, 7-9=-448/181

BOT CHORD 14-15=-432/2728, 13-14=-432/2728,

11-13=-238/2303, 10-11=-339/2530,

9-10=-339/2530

3-14=0/231, 4-13=0/370, 3-13=-448/192,

5-11=0/347, 6-10=0/222, 6-11=-296/167,

3-15=-2389/357, 6-9=-2475/383,

5-13=-194/271

NOTES

WFBS

- 1) Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 15 and 318 lb uplift at joint 9.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



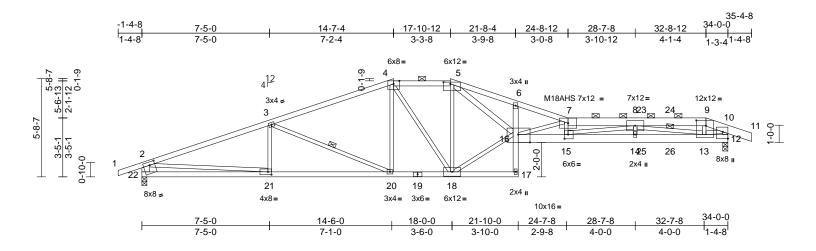
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	C5	Roof Special Girder	1	1	Job Reference (optional)	164697906

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:55 ID:ZaUd5qOmXewXagMucjlqmSz4SeD-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:66.8

Plate Offsets (X, Y): [5:0-4-12,0-1-4], [9:0-6-12,0-3-12], [12:Edge,0-3-8], [15:0-2-8,0-3-0], [16:0-8-4,Edge], [21:0-2-8,0-2-0], [22:0-3-8,0-2-4]

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.63	15-16	>639	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-1.12	15-16	>360	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.21	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.47	15-16	>852	240	Weight: 160 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF 2100F 1.8E *Except* 4-5:2x4 SPF

No.2, 7-9:2x6 SP 2400F 2.0E, 9-11:2x6 SPF

No.2

BOT CHORD 2x4 SPF No.2 *Except* 16-12:2x6 SP 2400F 2.0E

WFBS 2x3 SPF No.2 *Except* 16-5:2x4 SPF 2100F

1.8E, 22-2:2x6 SPF No.2, 12-10:2x4 SPF

No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-8-3 oc purlins, except end verticals, and

2-0-0 oc purlins (3-1-11 max.): 4-5, 7-9. **BOT CHORD** Rigid ceiling directly applied or 8-6-0 oc

bracing.

WFBS 1 Row at midpt 3-20, 8-13 12=0-3-8, 22=0-3-8

REACTIONS (size)

Max Horiz 22=121 (LC 8)

Max Uplift 12=-391 (LC 5), 22=-297 (LC 4)

12=1531 (LC 1), 22=1619 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/36, 2-3=-3149/464, 3-4=-2544/388,

4-5=-2344/427, 5-6=-5813/992,

6-7=-5976/964, 7-8=-8789/1474

8-9=-2309/474, 9-10=-2379/492, 10-11=0/34, 2-22=-1538/334, 10-12=-1745/423

BOT CHORD 21-22=-237/689, 20-21=-474/2906,

18-20=-297/2333, 17-18=-14/121,

16-17=0/78, 6-16=-154/121,

15-16=-1419/8680, 14-15=-1092/6054,

13-14=-1092/6054, 12-13=-63/353

WEBS

3-21=-57/170, 3-20=-687/220, 4-20=-20/391, 4-18=-214/233, 5-18=-1217/260,

16-18=-322/2526, 5-16=-714/4207, 7-16=-3193/594, 7-15=-1056/207,

9-13=-46/424, 2-21=-264/2225, 10-13=-414/2111, 8-13=-3853/671,

8-14=0/168, 8-15=-433/2885

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- The Fabrication Tolerance at joint 12 = 2%, joint 12 = 2%
- 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.
- Bearings are assumed to be: Joint 22 SPF No.2, Joint 12 SP 2400F 2.0E
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 22 and 391 lb uplift at joint 12.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 46 lb down and 86 lb up at 29-0-0, and 46 lb down and 86 lb up at 30-8-0, and 46 lb down and 86 lb up at 32-8-12 on top chord, and 7 lb down and 12 lb up at 29-0-0, and 7 lb down and 12 lb up at 30-8-0, and 43 lb down and 81 lb up at 32-8-0 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- 13) 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-4=-70, 4-5=-70, 5-7=-70, 7-9=-70, 9-10=-70, 10-11=-70, 17-22=-20, 12-16=-20 Concentrated Loads (lb)

Vert: 9=22 (F), 13=28 (F), 23=22 (F), 24=22 (F)



April 5,2024



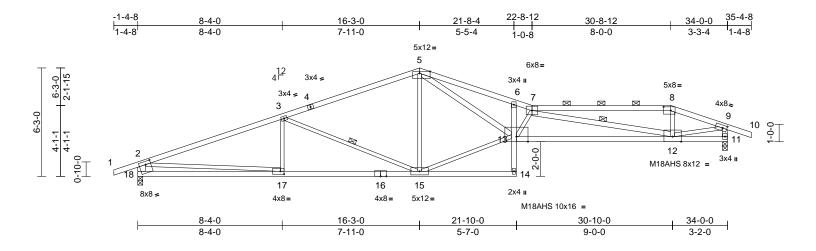
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job		Truss	Truss Type	Qty	Ply	Lot 188 HM	
B24	0062	C6	Roof Special	1	1	Job Reference (optional)	164697907

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:55 ID:CL9JTJ7yjt9fxlggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:66.4

Plate Offsets (X, Y): [5:0-7-4,Edge], [8:0-5-0,0-2-8], [9:0-3-0,0-2-0], [17:0-2-8,0-2-0], [18:0-3-8,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.54	13	>746	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.98	12-13	>413	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.21	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.39	13	>999	240	Weight: 135 lb	FT = 10%

LUMBER

BRACING

TOP CHORD 2x4 SPF 2100F 1.8E *Except* 8-10,1-4:2x4

SPF No.2

BOT CHORD 2x4 SPF No.2 *Except* 13-11:2x4 SPF 2100F

1.8E

WEBS 2x3 SPF No.2 *Except* 13-5,11-9:2x4 SPF

No.2, 12-7:2x4 SPF 2100F 1.8E, 18-2:2x6 SPF No.2

TOP CHORD Structural wood sheathing directly applied,

except end verticals, and 2-0-0 oc purlins

(2-2-0 max.): 7-8.

BOT CHORD Rigid ceiling directly applied or 8-6-0 oc

bracing

3-15, 7-12 1 Row at midpt

WFBS REACTIONS (size)

11=0-3-8, 18=0-3-8

Max Horiz 18=130 (LC 8)

Max Uplift 11=-295 (LC 5), 18=-276 (LC 4)

Max Grav 11=1619 (LC 1), 18=1626 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/36 2-3=-3162/407 3-5=-2377/337

5-6=-5687/847, 6-7=-5800/790,

7-8=-2468/357, 8-9=-2652/351, 9-10=0/34,

2-18=-1539/319, 9-11=-1621/281 BOT CHORD

17-18=-294/797, 15-17=-419/2911,

14-15=-24/132, 13-14=0/85, 6-13=-156/86,

12-13=-842/6257, 11-12=-13/56 3-17=-7/223, 3-15=-885/250, 5-15=-296/128,

13-15=-191/2167, 5-13=-606/3947,

7-13=-1555/335, 7-12=-3881/556,

8-12=0/467, 2-17=-166/2119, 9-12=-312/2509

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat.
- II; Exp C; 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
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated. 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.
- Bearings are assumed to be: Joint 18 SPF No.2, Joint 11 SPF 2100F 1.8E .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 276 lb uplift at joint 18 and 295 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

NOTES

WEBS

1) Unbalanced roof live loads have been considered for this design.



April 5,2024



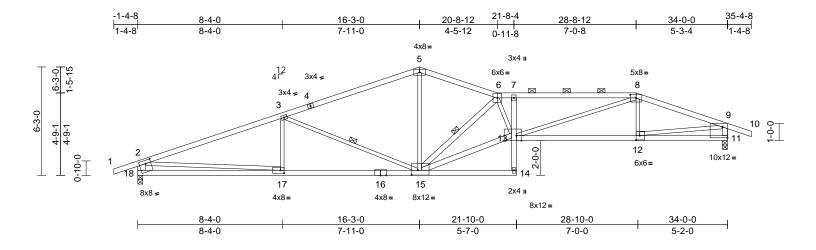
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C7	Roof Special	1	1	Job Reference (optional)	164697908

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:55 ID:CL9JTJ7yjt9fxlggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:66.4

Plate Offsets (X, Y): [8:0-4-0,0-2-3], [11:Edge,0-7-8], [12:0-2-8,0-3-0], [13:0-3-8,Edge], [15:0-4-4,0-3-4], [17:0-2-8,0-2-0], [18:0-3-8,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.37	13	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.66	12-13	>607	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.14	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.26	13	>999	240	Weight: 135 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 *Except* 4-5:2x4 SPF 2100F

1.8E, 6-8:2x4 SPF 2400F 2.0E

BOT CHORD 2x4 SPF No.2

2x3 SPF No.2 *Except* 15-6,11-9:2x4 SPF **WEBS** No.2, 15-13:2x4 SPF 2100F 1.8E, 18-2:2x6

SPF No.2

BRACING

WEBS

TOP CHORD Structural wood sheathing directly applied,

except end verticals, and 2-0-0 oc purlins

(2-2-0 max.): 6-8.

BOT CHORD Rigid ceiling directly applied or 9-0-11 oc

bracing.

1 Row at midpt 3-15, 6-15

REACTIONS (size) 11=0-3-8, 18=0-3-8 Max Horiz 18=130 (LC 8)

Max Uplift 11=-295 (LC 5), 18=-274 (LC 4)

Max Grav 11=1619 (LC 1), 18=1626 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/36, 2-3=-3164/402, 3-5=-2370/336, 5-6=-2314/333. 6-7=-4718/685.

7-8=-4829/700, 8-9=-2906/413, 9-10=0/34,

2-18=-1540/317, 9-11=-1569/314

BOT CHORD 17-18=-294/795, 15-17=-414/2912,

14-15=-20/104, 13-14=0/83, 7-13=-405/195,

12-13=-336/2705, 11-12=-70/281

WEBS 3-17=-5/225, 3-15=-892/251, 5-15=-78/994, 6-15=-2906/456, 13-15=-528/4384,

6-13=-234/1392, 8-13=-295/2249,

8-12=-229/129, 2-17=-162/2123,

9-12=-286/2441

NOTES

Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 18 and 295 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



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

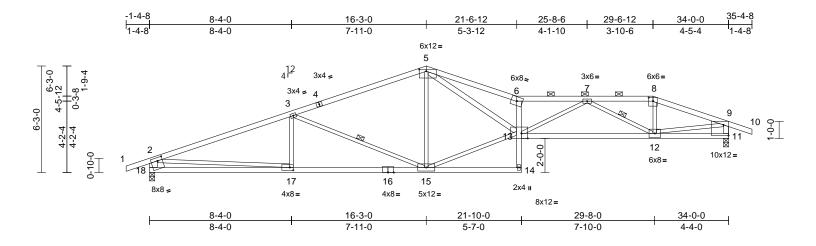
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C8	Roof Special	1	1	Job Reference (optional)	164697909

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:56 ID:CL9JTJ7yjt9fxlggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:67.7

Plate Offsets (X, Y): [5:0-5-0,0-1-4], [8:0-3-0,0-2-8], [11:Edge,0-7-8], [13:0-4-8,Edge], [17:0-2-8,0-2-0], [18:0-3-8,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.45	6-13	>887	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.82	12-13	>490	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.17	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.33	6-13	>999	240	Weight: 132 lb	FT = 10%

LUMBER

BOT CHORD

2x4 SPF No.2 *Except* 4-5,5-6:2x4 SPF TOP CHORD

2100F 1.8E

2x4 SPF No.2 *Except* 13-11:2x4 SPF 2100F 1.8E

2x3 SPF No.2 *Except* 13-5,11-9:2x4 SPF WEBS

No.2, 18-2:2x6 SPF No.2

BRACING

WEBS

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins

(2-1-10 max.): 6-8.

BOT CHORD

Rigid ceiling directly applied or 9-0-8 oc

bracing.

1 Row at midpt 3-15, 7-12

REACTIONS (size) 11=0-3-8, 18=0-3-8 Max Horiz 18=130 (LC 8)

Max Uplift 11=-295 (LC 5), 18=-275 (LC 4) Max Grav 11=1619 (LC 1), 18=1626 (LC 1)

(lb) - Maximum Compression/Maximum

FORCES Tension

1-2=0/36, 2-3=-3162/404, 3-5=-2378/337, TOP CHORD

5-6=-5672/838. 6-7=-5343/726.

7-8=-2554/378, 8-9=-2784/381, 9-10=0/34.

2-18=-1539/318, 9-11=-1578/302

BOT CHORD 17-18=-294/798, 15-17=-416/2911, 14-15=-21/129, 13-14=0/85, 6-13=-2059/391,

12-13=-590/4217, 11-12=-62/243

WEBS 3-17=-7/223, 3-15=-885/249, 5-15=-297/129,

13-15=-191/2171, 5-13=-597/3933, 7-13=-120/1282, 8-12=-16/631,

2-17=-163/2119, 9-12=-269/2378,

7-12=-1900/326

NOTES

Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- Bearings are assumed to be: Joint 18 SPF No.2 , Joint 11 SPF 2100F 1.8E
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 18 and 295 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



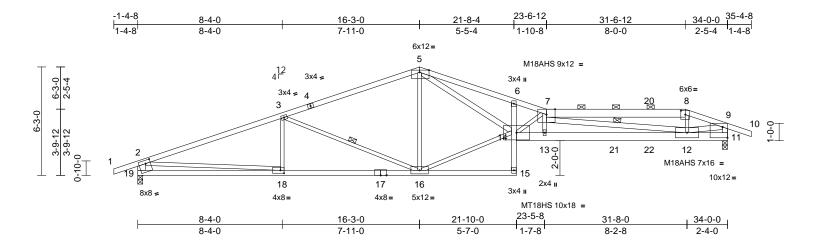
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



ſ	Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
	B240062	C9	Roof Special Girder	1	1	Job Reference (optional)	164697910

Run: 8.73 S. Mar 21 2024 Print: 8.730 S.Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:56 ID:CL9JTJ7yjt9fxlggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:66.4

Plate Offsets (X, Y): [5:0-6-8,Edge], [8:0-3-0,0-2-11], [11:Edge,0-7-8], [18:0-2-8,0-2-0], [19:0-3-4,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.61	14	>665	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-1.09	15	>372	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.22	11	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.45	14	>907	240	Weight: 155 lb	FT = 10%

LUMBER

2x4 SPF 2100F 1.8E *Except* 7-8:2x6 SPF TOP CHORD

No.2, 8-10:2x4 SPF No.2

BOT CHORD 2x4 SPF No.2 *Except* 14-11:2x6 SP 2400F 2.0E

2x3 SPF No.2 *Except* 14-5,12-7:2x4 SPF **WEBS**

2100F 1.8E, 19-2:2x6 SPF No.2,

11-9,12-9:2x4 SPF No.2

BRACING TOP CHORD

BOT CHORD

TOP CHORD

Structural wood sheathing directly applied or 2-3-9 oc purlins, except end verticals, and

2-0-0 oc purlins (2-9-3 max.): 7-8. Rigid ceiling directly applied or 8-6-2 oc

bracing WFBS

3-16, 7-12 1 Row at midpt

REACTIONS (size) 11=0-3-8, 19=0-3-8 Max Horiz 19=132 (LC 27)

Max Uplift 11=-381 (LC 5), 19=-295 (LC 4)

Max Grav 11=1896 (LC 1), 19=1681 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/36 2-3=-3309/458 3-5=-2534/379 5-6=-6477/1041, 6-7=-6518/978,

7-8=-3168/534, 8-9=-3379/543, 9-10=0/34,

2-19=-1595/337, 9-11=-2111/401 BOT CHORD

18-19=-292/829, 16-18=-469/3050,

15-16=-19/182, 14-15=0/87, 6-14=-286/134, 13-14=-1182/8132, 12-13=-1189/8131,

11-12=-3/94

WEBS 3-18=-15/220, 3-16=-873/265,

5-16=-367/148, 14-16=-252/2284,

5-14=-779/4655, 7-14=-2437/396,

7-13=-54/274, 7-12=-5040/713, 8-12=-9/581,

2-18=-216/2227, 9-12=-531/3258

NOTES

Unbalanced roof live loads have been considered for 1) this design.

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated. 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.
- Bearings are assumed to be: Joint 19 SPF No.2, Joint 11 SP 2400F 2.0E
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 19 and 381 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down and 33 lb up at 29-6-0, and 56 lb down and 34 lb up at 31-6-12 on top chord, and 275 lb down and 66 lb up at 27-6-0, and 12 lb down and 2 lb up at 29-6-0, and 62 lb down and 31 lb up at 31-6-0 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-5=-70, 5-7=-70, 7-8=-70, 8-9=-70, 9-10=-70, 15-19=-20, 11-14=-20 Concentrated Loads (lb)

Page: 1

Vert: 12=-59 (B), 21=-275 (B), 22=2 (B)



April 5,2024



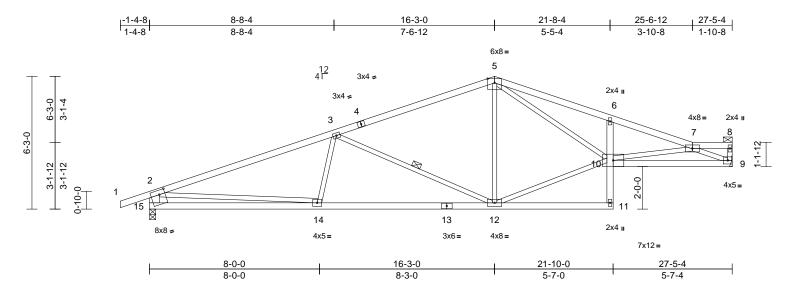
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C10	Roof Special	1	1	Job Reference (optional)	164697911

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:56 ID:CL9JTJ7yjt9fxlggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:54.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.Ó	Plate Grip DOL	1.15	тс	0.89	Vert(LL)	-0.16	12-14	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.35	12-14	>927	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.11	12-14	>999	240	Weight: 106 lb	FT = 10%

LUMBER

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

2x3 SPF No.2 *Except* 15-2:2x6 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.

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

bracing.

WFBS 1 Row at midpt 3-12

9= Mechanical, 15=0-3-8 REACTIONS (size)

Max Horiz 15=139 (LC 8)

Max Uplift 9=-165 (LC 5), 15=-257 (LC 4)

Max Grav 9=1216 (LC 1), 15=1335 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/36, 2-3=-2396/342, 3-5=-1547/240,

5-6=-2729/441, 6-7=-2756/357, 7-8=-95/0,

8-9=-94/25, 2-15=-1258/297 **BOT CHORD**

14-15=-333/750, 12-14=-389/2171, 11-12=-12/78, 10-11=0/80, 6-10=-368/184,

9-10=-351/2283

3-14=0/260, 3-12=-910/266, 5-12=-32/201,

10-12=-154/1386, 5-10=-276/1428,

7-10=-9/318, 7-9=-2446/397, 2-14=-72/1435

NOTES

WEBS

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 9 and 257 lb uplift at joint 15.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



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

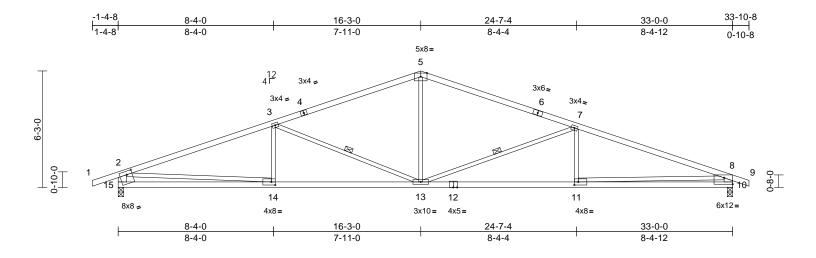
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C11	Common	1	1	Job Reference (optional)	164697912

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:56 ID: gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?ff

Page: 1



Scale = 1:61.9

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

				 								
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.22	11-13	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.46	11-13	>845	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.16	11-13	>999	240	Weight: 117 lb	FT = 10%

LUMBER

BOT CHORD

2x4 SPF 2100F 1.8E *Except* 1-4,6-9:2x4 TOP CHORD

SPF No.2 2x4 SPF No.2

2x3 SPF No.2 *Except* 15-2:2x6 SPF No.2, **WEBS**

10-8:2x6 SP 2400F 2.0E

BRACING TOP CHORD Structural wood sheathing directly applied,

except end verticals.

BOT CHORD Rigid ceiling directly applied or 9-5-12 oc

bracing. WEBS 1 Row at midpt

3-13. 7-13 10=0-3-8, 15=0-3-8 (size)

REACTIONS Max Horiz 15=-86 (LC 13)

Max Uplift 10=-263 (LC 5), 15=-282 (LC 4) Max Grav 10=1540 (LC 1), 15=1578 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/36, 2-3=-3035/421, 3-5=-2253/330,

5-7=-2259/322, 7-8=-3207/456, 8-9=0/24,

2-15=-1491/324, 8-10=-1454/306 BOT CHORD 14-15=-251/794, 13-14=-378/2790,

11-13=-351/2954, 10-11=-248/1168

WEBS 3-14=-4/220, 3-13=-888/252, 5-13=-26/828,

7-13=-1035/281, 7-11=0/270, 2-14=-174/2002, 8-11=-114/1789

NOTES

- Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 15 and 263 lb uplift at joint 10.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

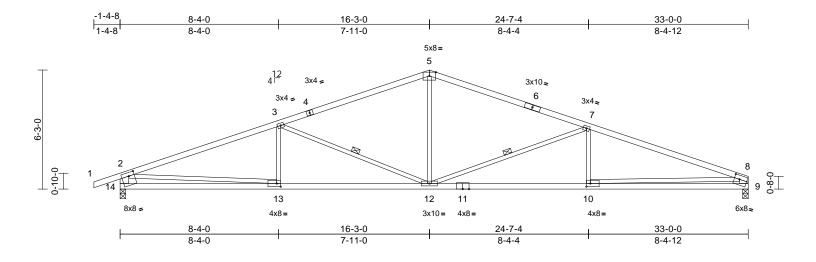
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C12	Common	1	1	Job Reference (optional)	164697913

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:56 ID: 1m2? IAOOIx2OBqx59QG3Ifz4SeC-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? for the property of the propert

Page: 1



Scale = 1:60.5

Plate Offsets (X, Y): [9:0-3-4,0-2-8], [10:0-2-8,0-2-0], [13:0-2-8,0-2-0], [14:0-3-8,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.22	10-12	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.45	10-12	>874	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.15	10-12	>999	240	Weight: 116 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF 2100F 1.8E

BOT CHORD 2x4 SPF No.2

2x3 SPF No.2 *Except* 14-2:2x6 SPF No.2, WEBS

9-8:2x6 SP 2400F 2.0E

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 9-4-1 oc

bracing.

WEBS 1 Row at midpt 3-12, 7-12 **REACTIONS** (size) 9=0-3-8, 14=0-3-8

Max Horiz 14=92 (LC 12)

Max Uplift 9=-215 (LC 5), 14=-282 (LC 4)

Max Grav 9=1462 (LC 1), 14=1579 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/36, 2-3=-3043/424, 3-5=-2256/331, TOP CHORD

5-7=-2264/322 7-8=-3227/466

2-14=-1493/325, 8-9=-1373/257 13-14=-248/806, 12-13=-389/2798,

BOT CHORD 10-12=-384/2981, 9-10=-157/907

WEBS 3-13=-3/222, 3-12=-894/256, 5-12=-31/841,

7-12=-1062/292, 7-10=0/263

2-13=-184/1997, 8-10=-227/2077

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 14 and 215 lb uplift at joint 9.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024

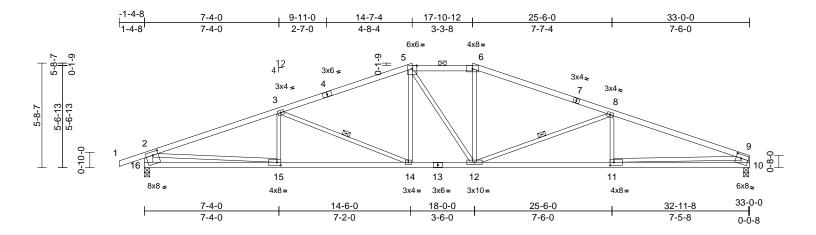




Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C13	Hip	1	1	Job Reference (optional)	164697914

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:56 ID: 1m2? IAOOIx2OBqx59QG3Ifz4SeC-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? for the property of the propert

Page: 1



Scale = 1:62.8

Plate Offsets (X, Y): [10:0-3-4,0-2-8], [11:0-2-8,0-2-0], [15:0-2-8,0-2-0], [16:0-3-8,0-2-4]

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.21	11-12	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.44	11-12	>894	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.15	11-12	>999	240	Weight: 121 lb	FT = 10%

LUMBER

2x4 SPF 2100F 1.8E *Except* 5-6,4-1:2x4 TOP CHORD

SPF No.2 **BOT CHORD** 2x4 SPF No.2

2x3 SPF No.2 *Except* 16-2,10-9:2x6 SPF **WEBS**

No.2

BRACING TOP CHORD

Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins

(3-8-7 max.): 5-6. **BOT CHORD**

Rigid ceiling directly applied or 8-11-11 oc

bracing. WFBS

3-14. 8-12 1 Row at midpt

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

Max Horiz 16=81 (LC 8)

Max Uplift 10=-226 (LC 5), 16=-293 (LC 4)

Max Grav 10=1462 (LC 1), 16=1579 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 5-6=-2244/397. 2-16=-1500/329.

9-10=-1379/262, 1-2=0/36, 2-3=-3047/452,

3-5=-2432/373, 6-8=-2460/383,

8-9=-3249/500

BOT CHORD 15-16=-200/647, 14-15=-415/2811,

12-14=-240/2223, 11-12=-423/3010,

10-11=-145/817

3-15=-53/174, 3-14=-690/213, 5-14=-25/369, 5-12=-197/256, 6-12=-17/384,

8-12=-859/251, 8-11=0/219, 2-15=-252/2172,

9-11=-279/2197

NOTES

WEBS

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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

- 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 293 lb uplift at joint 16 and 226 lb uplift at joint 10.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



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	Lot 188 HM	
B240062	C14	Hip	1	1	Job Reference (optional)	164697915

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:56 ID:kQ6MqnJ?yoAOslvIFSeQWBz4SeJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

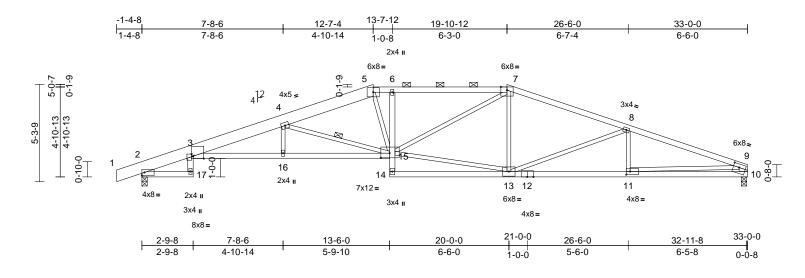


Plate Offsets (X, Y): [3:0-6-15,Edge], [3:0-1-7,0-1-0], [9:0-3-12,0-2-4], [11:0-2-8,0-2-0], [15:0-5-12,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.42	15-16	>941	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.77	15-16	>509	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.40	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.32	15-16	>999	240	Weight: 149 lb	FT = 10%

LUMBER

2x8 SP 2400F 2.0E *Except* 5-7:2x4 SPF TOP CHORD

2100F 1.8E, 7-9:2x4 SPF No.2

BOT CHORD 2x4 SPF No.2 *Except* 3-15:2x4 SPF 2100F 1.8E

WEBS 2x3 SPF No.2 *Except* 10-9:2x6 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied,

except end verticals, and 2-0-0 oc purlins

(3-9-10 max.): 5-7.

BOT CHORD Rigid ceiling directly applied or 8-7-7 oc

bracing. WFBS

4-15 1 Row at midpt REACTIONS (size) 2=0-3-8, 10=0-3-8

Max Horiz 2=85 (LC 8)

Max Uplift 2=-303 (LC 4), 10=-239 (LC 5)

Max Grav 2=1577 (LC 1), 10=1466 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/6, 2-3=-668/117, 3-4=-4563/718,

4-5=-3230/520, 5-6=-3245/553, 6-7=-3217/558, 7-8=-2698/451,

8-9=-3257/534. 9-10=-1385/269

BOT CHORD 2-17=0/15, 3-17=0/74, 3-16=-687/4477,

15-16=-685/4471, 14-15=0/117,

6-15=-355/166, 13-14=-14/210,

11-13=-464/3026, 10-11=-128/707 4-16=-58/127, 4-15=-1543/310,

5-15=-157/865, 13-15=-283/2314,

7-15=-194/943, 7-13=-95/166,

8-13=-610/214, 8-11=-65/136,

9-11=-337/2324

NOTES

WEBS

1) Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 2 and 239 lb uplift at joint 10.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



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

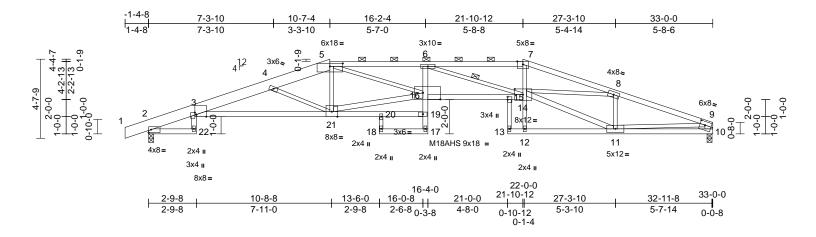
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C15	Hip	1	1	Job Reference (optional)	l64697916

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:57 ID: Ccgk17Kdj5IFTvUxp9Af3Oz4SeI-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? full fill for the property of th

Page: 1



Scale = 1:67.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.74	15-16	>531	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-1.33	15-16	>295	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.67	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.55	17	>706	240	Weight: 155 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF 2100F 1.8E *Except* 1-5:2x8 SP

2400F 2.0E

2x4 SPF No.2 *Except* 3-19.16-14:2x4 SPF **BOT CHORD** 2100F 1.8E, 20-18,15-13:2x3 SPF No.2

WEBS 2x3 SPF No.2 *Except* 21-16,11-14:2x4 SPF

No.2. 10-9:2x6 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-8-13 oc purlins, except end verticals, and

2-0-0 oc purlins (2-3-7 max.): 5-7.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

WEBS 1 Row at midpt 6-14 REACTIONS (size) 2=0-3-8, 10=0-3-8

Max Horiz 2=74 (LC 8)

Max Uplift 2=-313 (LC 4), 10=-249 (LC 5)

Max Grav 2=1577 (LC 1), 10=1466 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/6, 2-3=-668/117, 3-4=-4962/866,

4-5=-3847/635, 5-6=-6346/1024,

6-7=-5292/867, 7-8=-5586/882, 8-9=-3238/556, 9-10=-1392/275

BOT CHORD 2-22=0/15, 3-22=0/74, 3-21=-827/4889,

20-21=-88/513, 19-20=-105/574, 18-20=0/40,

17-18=-60/17, 17-19=0/64, 16-19=0/90, 6-16=-90/161, 15-16=-947/6574,

14-15=-932/6516, 13-15=-49/37 12-13=-17/55, 11-12=-17/88, 10-11=-125/679

WEBS 5-21=-144/133, 16-21=-435/3163,

5-16=-507/2873, 6-14=-1558/336,

8-14=-292/2249, 12-14=0/193, 7-14=-133/1385, 11-14=-504/3118,

8-11=-1186/278, 9-11=-365/2341,

4-21=-1407/341

NOTES

- 1) Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2 and 249 lb uplift at joint 10.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024



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	Lot 188 HM	
B240062	C16	Hip	1	1	Job Reference (optional)	164697917

0-10-0

-1-4-8

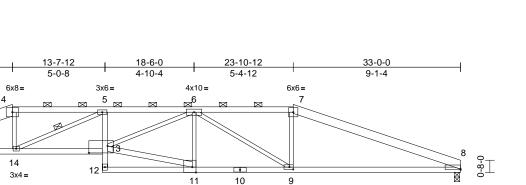
1-4-8

4x8=

2-9-8

2-9-8

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:57 ID:Ccgk17Kdj5IFTvUxp9Af3Oz4SeI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



3x6=

MT18HS 3x8 =

23-9-8

5-3-8

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

8-8-8

5-11-0

8-7-4

8-7-4

412

÷

3x4 II

-			-	1								-
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.57	13-14	>683	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-1.04	13-14	>379	240	MT18HS	197/144
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.48	8	n/a	n/a	M18AHS	142/136
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.45	13-14	>872	240	Weight: 140 lb	FT = 10%

3x4 II

18-6-0

5-0-0

M18AHS 8x16 =

13-6-0

4-9-8

8x8=

ı	IM	R	FI	2

2x8 SP 2400F 2.0E *Except* 4-7:2x4 SPF TOP CHORD

No.2, 7-8:2x6 SP 2400F 2.0E

2x4 SPF No.2 *Except* 3-13,10-8:2x4 SPF **BOT CHORD**

2100F 1.8E

WEBS 2x3 SPF No.2 *Except* 11-13:2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-10-4 oc purlins, except

2-0-0 oc purlins (2-1-12 max.): 4-7. **BOT CHORD** Rigid ceiling directly applied or 7-11-4 oc

bracing.

WFBS 1 Row at midpt REACTIONS (size) 2=0-3-8, 8=0-3-8

Max Horiz 2=61 (LC 8)

Max Uplift 2=-323 (LC 4), 8=-258 (LC 5)

Max Grav 2=1581 (LC 1), 8=1469 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/6, 2-3=-670/140, 3-4=-4303/723,

4-5=-4203/746, 5-6=-5384/949, 6-7=-3000/565, 7-8=-3256/551

BOT CHORD 2-15=0/15, 3-15=0/74, 3-14=-658/4186,

13-14=-881/5513, 12-13=0/104, 5-13=0/352,

11-12=-47/333, 9-11=-558/3656,

8-9=-432/2980

WEBS 4-14=-23/515, 5-14=-1556/326,

11-13=-526/3419, 6-13=-327/1884,

6-11=-741/178, 6-9=-922/210, 7-9=-13/658

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- Bearings are assumed to be: Joint 2 SPF No.2 , Joint 8 SPF 2100F 1.8E
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 258 lb uplift at joint 8 and 323 lb uplift at joint 2.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024

Page: 1

3x10=

33-0-0

0-0-8

32-11-8

9-2-0



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

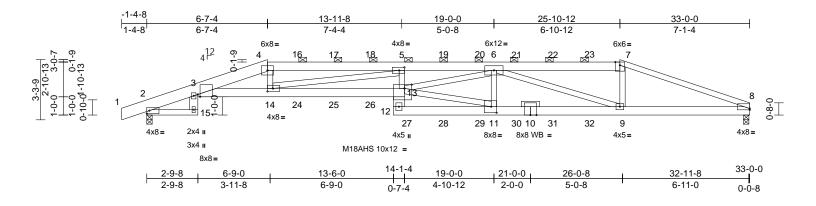
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	C17	Hip Girder	1	2	Job Reference (optional)	164697918

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:57 ID:8?oUSpLtEjYzjDdKwaC78pz4SeG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:63.1

Plate Offsets (X, Y): [3:0-1-7,Edge], [5:0-3-8,0-2-0], [8:Edge,0-0-14], [11:0-3-8,0-4-0], [13:0-4-12,0-2-8], [14:0-3-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)		13-14			MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-1.15	13-14	>342	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.40	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.52	13-14	>751	240	Weight: 388 lb	FT = 10%

LUMBER

TOP CHORD 2x8 SP 2400F 2.0E *Except* 4-7:2x6 SP

2400F 2.0E, 7-8:2x4 SPF 2100F 1.8E 2x6 SP 2400F 2.0E *Except* 2-15:2x4 SPF **BOT CHORD**

No.2, 15-3:2x6 SPF No.2, 13-12:2x8 SP

2400F 2.0E

WFBS 2x4 SPF No.2 *Except* 11-13:2x4 SPF 2100F

1.8E

2x4 SPF No.2 **OTHERS**

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-4-14 oc purlins, except

2-0-0 oc purlins (5-1-10 max.): 4-7. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing

REACTIONS (size) 2=0-3-8, 8=0-3-8

Max Horiz 2=50 (LC 27)

Max Uplift 2=-622 (LC 4), 8=-566 (LC 5)

Max Grav 2=3014 (LC 1), 8=2880 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/6. 2-3=-1364/277. 3-4=-12454/2346.

4-5=-12407/2357, 5-6=-16195/3099,

6-7=-7001/1420, 7-8=-7655/1486

BOT CHORD 2-15=-3/35, 3-15=-1/109, 3-14=-2269/12215,

13-14=-3017/16225, 12-13=0/292

11-12=-380/1760, 9-11=-1945/10452,

8-9=-1331/7112

WEBS 4-14=-228/1883, 5-14=-4067/837,

11-13=-1595/8851, 6-13=-1129/5961,

6-11=-1537/505, 6-9=-3823/738, 7-9=-271/2111, 5-13=0/432

NOTES

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

Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-6-0 oc.

Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 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 $\mbox{CASE}(\mbox{S})$ section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B). unless otherwise indicated.

- Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- Bearings are assumed to be: Joint 2 SPF No.2 , Joint 8 $\,$ SP 2400F 2.0E
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 566 lb uplift at joint 8 and 622 lb uplift at joint 2.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 140 lb down and 70 lb up at 8-3-0, 140 lb down and 70 lb up at 10-3-0, 140 lb down and 70 lb up at 12-3-0, 149 lb down and 85 lb up at 14-3-0, 149 lb down and 85 lb up at 16-3-0, 149 lb down and 85 lb up at 18-3-0, 149 lb down and 85 lb up at 20-3-0, and 149 lb down and 85 lb up at 22-3-0, and 149 lb down and 85 lb up at 24-3-0 on top chord, and 578 lb down and 146 lb up at 6-7-4, 67 lb down at 8-3-0, 67 lb down at 10-3-0, 67 lb down at 12-3-0, 80 lb down at 14-3-0, 80 lb down at 16-3-0, 80 lb down at 18-3-0, 80 lb down at 20-3-0, 80 lb down at 22-3-0, and 80 lb down at 24-3-0, and 600 lb down and 148 lb up at 25-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)



April 5,2024

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	Lot 188 HM	
B240062	C17	Hip Girder	1	2	Job Reference (optional)	164697918

Run: 8,73 S Mar 21 2024 Print: 8,730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:57 ID: 8? oUSpLtEjYzjDdKwaC78pz4SeG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff

Page: 2

Vert: 1-3=-70, 3-4=-70, 4-7=-70, 7-8=-70, 2-15=-20, 3-13=-20, 8-12=-20

Concentrated Loads (lb)

Vert: 14=-578 (B), 5=-128 (B), 9=-600 (B), 16=-118 (B), 17=-118 (B), 18=-118 (B), 19=-128 (B), 20=-128 (B), 21=-128 (B), 22=-128 (B), 23=-128 (B), 24=-67 (B), 25=-67 (B), 26=-67 (B), 27=-57 (B), 28=-57 (B), 29=-57 (B), 30=-57 (B), 31=-57 (B), 32=-57 (B)

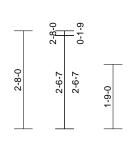
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	D1	Hip Girder	1	1	Job Reference (optional)	164697919

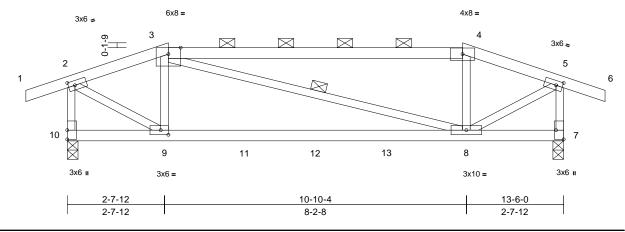
Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:57 ID:VybNWWP03FAFp_WHj7oIrtz4SeB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1	-1-1-8	2-9-0	10-9-0	13-6-0	14-7-8
ſ	1-1-8	2-9-0	8-0-0	2-9-0	1-1-8

12 4 Г





Scale = 1:31.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.10	8-9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.24	8-9	>654	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.21	8-9	>777	240	Weight: 50 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 *Except* 3-4:2x4 SPF 2100F

1.8E

BOT CHORD 2x4 SPF No.2 2x3 SPF No.2 WFBS

BRACING

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or 5-6-11 oc purlins, except end verticals, and

2-0-0 oc purlins (5-11-3 max.): 3-4. Rigid ceiling directly applied or 6-0-0 oc

bracing.

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

Max Horiz 10=41 (LC 7) Max Uplift 7=-384 (LC 5), 10=-384 (LC 4)

Max Grav 7=878 (LC 1), 10=878 (LC 1) FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/27, 2-3=-947/435, 3-4=-903/435, 4-5=-948/435, 5-6=0/27, 2-10=-935/436, 5-7=-935/436

BOT CHORD 9-10=-41/35, 8-9=-400/902, 7-8=-33/27 **WEBS** 3-9=-153/210, 3-8=-37/40, 4-8=-157/211,

2-9=-469/1062, 5-8=-469/1063

NOTES

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 384 lb uplift at joint 10 and 384 lb uplift at joint 7.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 129 lb down and 120 lb up at 2-9-0, 56 lb down and 67 lb up at 4-9-12, 56 lb down and 67 lb up at 6-9-0, and 56 lb down and 67 lb up at 8-8-4, and 129 lb down and 120 lb up at 10-8-4 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-3=-70, 3-4=-70, 4-5=-70, 5-6=-70, 7-10=-20

Concentrated Loads (lb)

Vert: 9=-120 (F), 8=-120 (F), 11=-50 (F), 12=-50 (F), 13=-50 (F)



April 5,2024



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

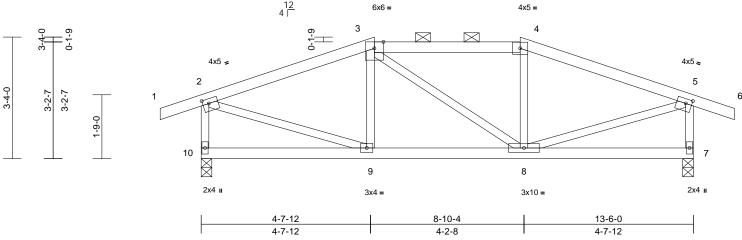


Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	D2	Hip	1	1	Job Reference (optional)	164697920

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:57

Page: 1

-1-1-8	4-9-0	8-9-0	13-6-0	14-7-8
1-1-8	4-9-0	4-0-0	4-9-0	1-1-8



Scale = 1:31.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.02	8-9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.03	9-10	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.01	8-9	>999	240	Weight: 52 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 2x4 SPF No.2 **BOT CHORD** 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.

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

bracing.

REACTIONS (size) 7=0-3-8, 10=0-3-8

Max Horiz 10=32 (LC 7)

Max Uplift 7=-154 (LC 5), 10=-154 (LC 4) Max Grav 7=684 (LC 1), 10=684 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/27, 2-3=-700/121, 3-4=-620/139,

4-5=-700/121, 5-6=0/27, 2-10=-640/176,

5-7=-640/176

BOT CHORD 9-10=-15/49, 8-9=-65/620, 7-8=-23/49 WEBS

3-9=-97/77, 3-8=-78/77, 4-8=-125/89,

2-9=-62/598, 5-8=-61/597

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 10 and 154 lb uplift at joint 7.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024

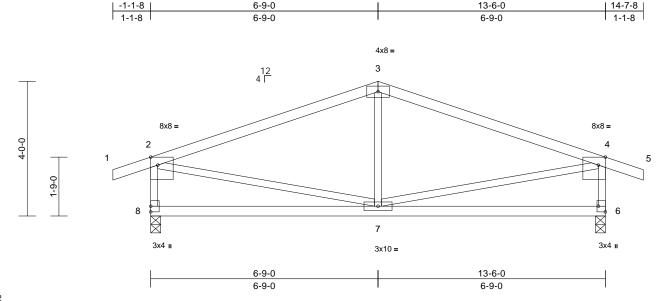




Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	D3	Common	2	1	Job Reference (optional)	164697921

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58 ID: gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?ff

Page: 1



Scale = 1:34.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.05	7-8	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.09	7-8	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.01	7	>999	240	Weight: 50 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 2x4 SPF No.2 **BOT CHORD** 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-4-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 6=0-3-8, 8=0-3-8

Max Horiz 8=30 (LC 20)

Max Uplift 6=-140 (LC 5), 8=-140 (LC 4) Max Grav 6=684 (LC 1), 8=684 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/27, 2-3=-695/101, 3-4=-695/101, TOP CHORD 4-5=0/27, 2-8=-623/172, 4-6=-623/172

BOT CHORD 7-8=-46/127, 6-7=-50/127

WFBS 3-7=-65/151, 2-7=-19/481, 4-7=-19/481

NOTES

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 8 and 140 lb uplift at joint 6.

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024

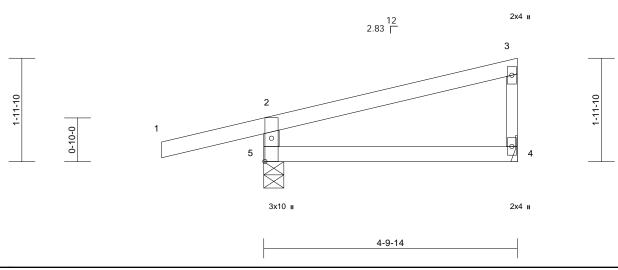




Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J1	Diagonal Hip Girder	1	1	Job Reference (optional)	164697922

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58





Scale = 1:21.9

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

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.03	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 15 lb	FT = 10%

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2

2x4 SPF No.2 *Except* 3-4:2x3 SPF No.2 WEBS

BRACING

LUMBER

TOP CHORD Structural wood sheathing directly applied or 4-9-14 oc purlins, except end verticals. **BOT CHORD**

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5=0-4-9

Max Horiz 5=78 (LC 5)

Max Uplift 4=-33 (LC 8), 5=-142 (LC 4) Max Grav 4=172 (LC 1), 5=386 (LC 1) (lb) - Maximum Compression/Maximum

FORCES Tension TOP CHORD

2-5=-340/170, 1-2=0/34, 2-3=-81/11,

3-4=-126/57 **BOT CHORD** 4-5=-19/32

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 5 and 33 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024

Page: 1



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	Lot 188 HM	
B240062	J2	Jack-Closed	4	1	Job Reference (optional)	164697923

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58

Page: 1



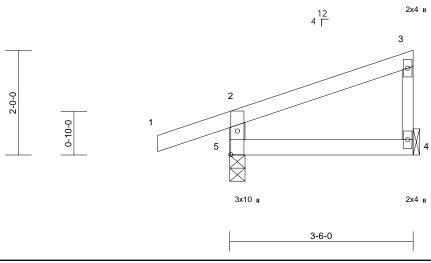


Plate Offsets (X, Y): [5:0-5-6,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 11 lb	FT = 10%

LOAD CASE(S) Standard

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

2x4 SPF No.2 *Except* 3-4:2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins, except end verticals.

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

bracing.

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

Max Horiz 5=82 (LC 7)

Max Uplift 4=-27 (LC 8), 5=-99 (LC 4) Max Grav 4=121 (LC 1), 5=278 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-245/120, 1-2=0/34, 2-3=-68/15, 3-4=-89/42

BOT CHORD 4-5=-22/15

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 5 and 27 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024



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

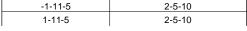
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

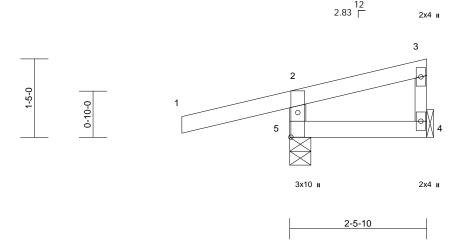


Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J3	Diagonal Hip Girder	1	1	Job Reference (optional)	164697924

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58







Scale = 1:20.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 9 lb	FT = 10%

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2

2x4 SPF No.2 *Except* 3-4:2x3 SPF No.2 WEBS

BRACING

LUMBER

TOP CHORD Structural wood sheathing directly applied or 2-5-10 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5=0-4-9

Max Horiz 5=54 (LC 5)

Max Uplift 4=-7 (LC 5), 5=-144 (LC 4) Max Grav 4=47 (LC 3), 5=315 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-277/150, 1-2=0/34, 2-3=-25/19, 3-4=-25/16

BOT CHORD 4-5=-24/26

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 5 and 7 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024

Page: 1



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

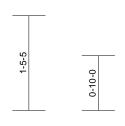


Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J4	Jack-Open	1	1	Job Reference (optional)	164697925

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



12 4 |



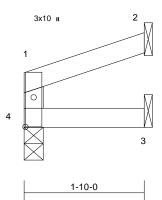




Plate Offsets (X, Y): [1:0-5-6,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	0.00	3-4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	3-4	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	3-4	>999	240	Weight: 5 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 WEBS

BRACING

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

bracing.

REACTIONS (size) 2= Mechanical, 3= Mechanical,

4=0-3-8 Max Horiz 4=28 (LC 5)

Max Uplift 2=-28 (LC 8), 4=-4 (LC 4) Max Grav 2=55 (LC 1), 3=32 (LC 3), 4=75

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-62/20, 1-2=-22/14

BOT CHORD 3-4=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 4 and 28 lb uplift at joint 2.

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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	Lot 188 HM	
B240062	J5	Jack-Closed Supported Gable	2	1	Job Reference (optional)	164697926

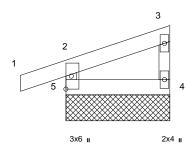
Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:58 waR5I Qr0oYEoIPE2DwNI IRz4SeW-RfC2PsR70Ha3NSaPapl 8w3uITYbGKWr

J.CWqK3L9100XE0IPF?DWNOK243EW-KIC?PSB70Hq3N3gPq111	LOWSUITADGRAVICDOI/J42JC?

-0-10-8	2-0-0
0-10-8	2-0-0

2x4 II





Page: 1

2-0-0

Scale = 1:22.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 7 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

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

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

bracing.

REACTIONS (size) 4=2-0-0, 5=2-0-0

Max Horiz 5=49 (LC 5)

Max Uplift 4=-14 (LC 5), 5=-63 (LC 4) Max Grav 4=62 (LC 1), 5=168 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-149/75, 1-2=0/22, 2-3=-36/6, 3-4=-45/22

BOT CHORD 4-5=-15/9

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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.
- 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.
- All bearings are assumed to be SPF No.2 .

- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 5 and 14 lb uplift at joint 4.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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	Lot 188 HM	
B240062	J6	Jack-Closed	5	1	Job Reference (optional)	164697927

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58 ID:cwqR5L9r0oXEoIPF?DwNURz4SeW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

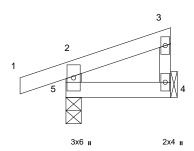
2x4 ı

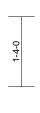
Page: 1

-0-10-8	2-0-0
0-10-8	2-0-0









2-0-0

Scale = 1:22

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%

LUMBER

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

2x4 SPF No.2 *Except* 3-4:2x3 SPF No.2 WEBS

BRACING

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

bracing.

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

Max Horiz 5=49 (LC 5)

Max Uplift 4=-14 (LC 5), 5=-65 (LC 4) Max Grav 4=58 (LC 1), 5=171 (LC 1) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 2-5=-151/76, 1-2=0/23, 2-3=-35/7, 3-4=-43/21

BOT CHORD 4-5=-15/10

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 5 and 14 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

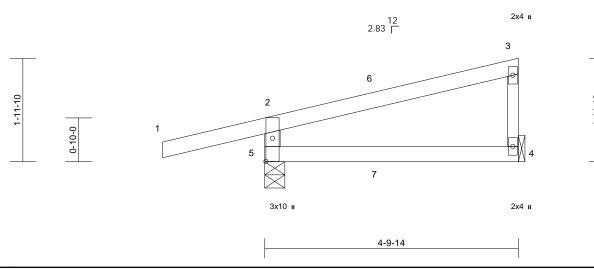
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J7	Diagonal Hip Girder	2	1	Job Reference (optional)	164697928

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58 ID:1VWakMBjljvpfD8ggMT464z4SeT-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:21.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.03	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	-0.01	4-5	>999	240	Weight: 15 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2

2x4 SPF No.2 *Except* 3-4:2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-9-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5=0-4-9

Max Horiz 5=78 (LC 7)

Max Uplift 4=-40 (LC 8), 5=-152 (LC 4)

Max Grav 4=155 (LC 1), 5=362 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-322/181, 1-2=0/34, 2-3=-89/13, 3-4=-116/63

BOT CHORD 4-5=-23/41

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 5 and 40 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 55 lb down and 103 lb up at 2-1-0, and 67 lb down and 10 lb up at 2-2-13 on top chord, and 3 lb down and 7 lb up at 2-1-0, and 3 lb down and 6 lb up at 2-2-13 on bottom chord. The design/selection of such connection device (s) is the responsibility of others.
- 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 + Roof Live (balanced): Lumber Increase=1.15,

Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-3=-70, 4-5=-20

Concentrated Loads (lb)

Vert: 6=29 (B), 7=13 (F=6, B=7)



April 5,2024

Page: 1



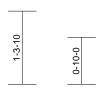


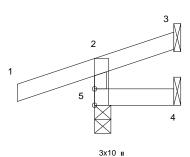
١	Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
-	B240062	J8	Jack-Open	2	1	Job Reference (optional)	164697929

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58

-1-4-8	1-4-15
1-4-8	1-4-15









Page: 1

1-4-15

Scale = 1:20.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 5 lb	FT = 10%

LUMBER

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-4-15 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical,

5=0-3-8 Max Horiz 5=35 (LC 5)

Max Uplift 3=-9 (LC 5), 5=-94 (LC 4)

3=4 (LC 4), 4=22 (LC 3), 5=221 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-198/104, 1-2=0/33, 2-3=-30/1

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF 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 5 and 9 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024



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

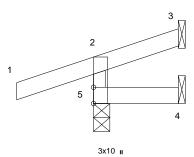


Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J9	Jack-Open	2	1	Job Reference (optional)	164697930

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58

-1-4-8	1-6-3
1-4-8	1-6-3







Page: 1

1-6-3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 6 lb	FT = 10%

LUMBER

Scale = 1:20.6

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-6-3 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical,

5=0-3-8

Max Horiz 5=36 (LC 4)

Max Uplift 3=-12 (LC 8), 5=-92 (LC 4)

3=4 (LC 19), 4=24 (LC 3), 5=221 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-198/103, 1-2=0/33, 2-3=-30/1

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 5 and 12 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024



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

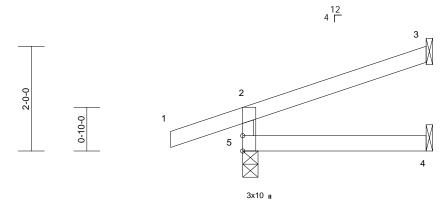


Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J10	Jack-Open	17	1	Job Reference (optional)	164697931

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:58

Page: 1





3-6-0

Scale = 1:22

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 10 lb	FT = 10%

LUMBER

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins, except end verticals.

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

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical,

5=0-3-8

Max Horiz 5=63 (LC 4)

Max Uplift 3=-49 (LC 8), 5=-87 (LC 4) Max Grav

3=94 (LC 1), 4=62 (LC 3), 5=277

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-243/114, 1-2=0/33, 2-3=-47/22

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 5 and 49 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024



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

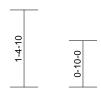


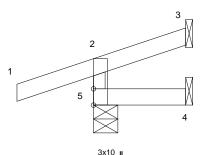
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J11	Jack-Open	3	1	Job Reference (optional)	164697932

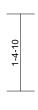
Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:59 ID:t5BFRN7Sgh?nhC78UzyL8AzU8Dh-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1

-1-4-8	1-7-14
1-4-8	1-7-14







1-7-14

Scale = 1:20.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 6 lb	FT = 10%

LUMBER

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-7-14 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

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

Max Horiz 5=38 (LC 4)

Max Uplift 3=-15 (LC 8), 5=-91 (LC 4)

3=13 (LC 1), 4=27 (LC 3), 5=223 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-199/102, 1-2=0/33, 2-3=-30/1

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 5 and 15 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024



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



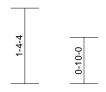
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J12	Diagonal Hip Girder	2	1	Job Reference (optional)	164697933

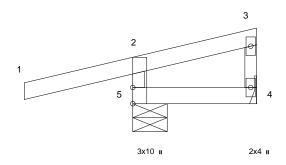
Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:59 ID: WgRDWHUerbeggfrih Zz9qHzU8DE-RfC? PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC? full fill for the property of t

Page: 1











2-2-10

Scale = 1:20.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 8 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-10 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5=0-7-6

Max Horiz 5=62 (LC 7)

Max Uplift 4=-6 (LC 5), 5=-143 (LC 4) Max Grav 4=39 (LC 3), 5=307 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/33, 2-3=-22/19, 3-4=-8/13,

2-5=-276/151 BOT CHORD 4-5=-26/24

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 4 and 143 lb uplift at joint 5.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

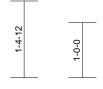


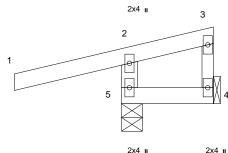
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J13	Diagonal Hip Girder	1	1	Job Reference (optional)	164697934

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:59 ID:AkL9FCVdPSLHkOZjk2RZv0z_kTA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f











Page: 1

1-8-1

Scale = 1:20.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%

LUMBER

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

2x4 SPF No.2 *Except* 3-4:2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-1 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5=0-4-9

Max Horiz 5=66 (LC 7)

Max Uplift 4=-44 (LC 1), 5=-160 (LC 4) Max Grav 4=48 (LC 4), 5=318 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-282/159, 1-2=0/34, 2-3=-17/16, 3-4=-29/36

BOT CHORD 4-5=-32/26

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 5 and 44 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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



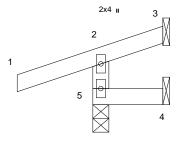
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J14	Jack-Open	3	1	Job Reference (optional)	164697935

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:59 ID:AkL9FCVdPSLHkOZjk2RZv0z_kTA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

-1-4-8	1-3-4
1-4-8	1-3-4







1-3-4

Scale = 1:20.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	5	>999	240	Weight: 5 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-3-4 oc purlins, except end verticals.

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

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical,

5=0-3-8 Max Horiz 5=38 (LC 5)

Max Uplift 3=-16 (LC 1), 4=-6 (LC 1), 5=-97 (LC 4)

Max Grav 3=8 (LC 4), 4=16 (LC 3), 5=229

(LC 1)

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 2-5=-201/104, 1-2=0/34, 2-3=-30/2

BOT CHORD 4-5=0/0

FORCES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2 .
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 5, 6 lb uplift at joint 4 and 16 lb uplift at joint 3.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

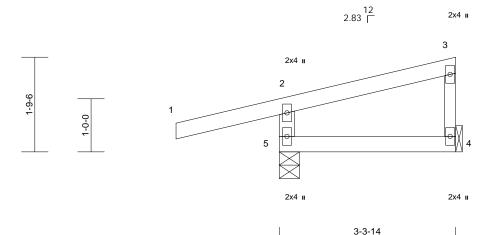
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J15	Diagonal Hip Girder	1	1	Job Reference (optional)	164697936

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:59 ID:iYnn2sU?e8DQ7E_XAKwKMpz_kTB-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:21.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 12 lb	FT = 10%

LUMBER

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

2x4 SPF No.2 *Except* 3-4:2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5=0-4-9

Max Horiz 5=69 (LC 5)

Max Uplift 4=-15 (LC 8), 5=-139 (LC 4) Max Grav 4=88 (LC 1), 5=334 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

2-5=-295/154, 1-2=0/34, 2-3=-45/11,

TOP CHORD 3-4=-66/33

BOT CHORD 4-5=-20/22

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 5 and 15 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



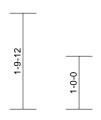
April 5,2024

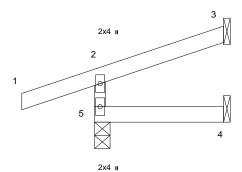
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J16	Jack-Open	2	1	Job Reference (optional)	164697937

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:59 ID: Akt 9FCVdPSt HkO7jk2R7v0z kTA-RfC2PsR70Ha3NSaPant 8w3utTXhGKWrCDai7.14z.IC2f

ID.AKESI CVAF SEI KOZJKZNZVOZ_KTA-NIC : FSB701 IqSNSGF qILEWS	u1170GKW1CD0173423C









Page: 1

Scale = 1:21.8

2-5-4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 8 lb	FT = 10%

LUMBER

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-5-4 oc purlins, except end verticals.

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

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical,

5=0-3-8

Max Horiz 5=48 (LC 5)

Max Uplift 3=-32 (LC 8), 5=-83 (LC 4) Max Grav

3=50 (LC 1), 4=42 (LC 3), 5=239

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-212/103, 1-2=0/33, 2-3=-34/11

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 5 and 32 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024



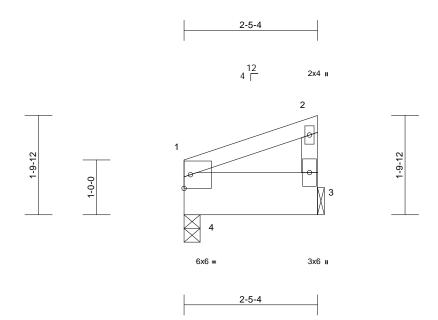
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	J17	Jack-Closed Girder	1	1	Job Reference (optional)	164697938

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:59 ID:AkL9FCVdPSLHkOZjk2RZv0z_kTA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:21

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	0.00	1-3	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	0.00	1-3	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		Wind(LL)	0.00	1-3	>999	240	Weight: 13 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x10 SP 2400F 2.0E 2x4 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-5-4 oc purlins, except end verticals.

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

bracing.

REACTIONS (size) 1=0-3-8, 3= Mechanical

Max Horiz 1=55 (LC 5)

Max Uplift 1=-156 (LC 4), 3=-54 (LC 8) Max Grav 1=1101 (LC 1), 3=295 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-48/30, 2-3=-75/38

BOT CHORD 1-3=-17/13

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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.
- Bearings are assumed to be: Joint 1 SP 2400F 2.0E, Joint 3 SPF 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 1 and 54 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1203 lb down and 173 lb up at 0-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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 + Roof Live (balanced): Lumber Increase=1.15,

Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-70, 1-3=-20

Concentrated Loads (lb)

Vert: 4=-1203 (F)

OF MISS SCOTT M. SEVIER NUMBER PE-200101880

April 5,2024

Page: 1



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

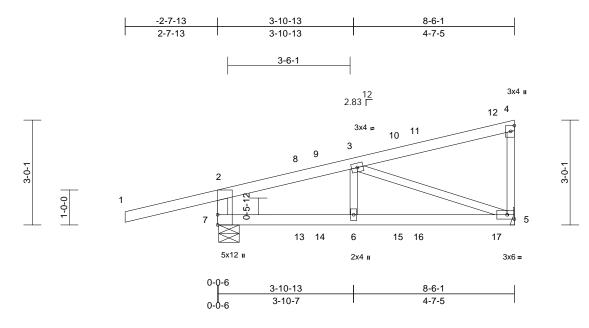
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J18	Diagonal Hip Girder	2	1	Job Reference (optional)	164697939

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:24:59 ID:ZJyCW0A5XPny13Zd6eyrZsz4SeU-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:33

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.06	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.11	5-6	>864	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.05	5-6	>999	240	Weight: 30 lb	FT = 10%

LUMBER

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

2x3 SPF No.2 *Except* 7-2:2x4 SPF No.2 WEBS

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) 5= Mechanical, 7=0-7-0

Max Horiz 7=125 (LC 7)

Max Uplift 5=-116 (LC 8), 7=-210 (LC 4) Max Grav 5=547 (LC 1), 7=630 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-7=-528/206, 1-2=0/45, 2-3=-524/79,

3-4=-109/34, 4-5=-286/126

BOT CHORD 6-7=-119/450, 5-6=-119/450

WFBS 3-6=-6/167. 3-5=-432/102

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph: TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint 7 and 116 lb uplift at joint 5.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 67 lb down and 26 lb up at 3-0-11, 68 lb down and 13 lb up at 3-7-12, 94 lb down and 64 lb up at 5-10-10, and 100 lb down and 69 lb up at 6-5-11, and 137 lb down and 80 lb up at 8-8-9 on top chord, and 5 lb down and 7 lb up at 3-0-11, 11 lb down and 15 lb up at 3-7-12, 23 lb down at 5-10-10, and 28 lb down at 6-5-11, and 74 lb down at 8-8-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-4=-70, 5-7=-20

Concentrated Loads (lb)

Vert: 10=-15 (B), 11=-29 (F), 12=-118 (B), 13=7 (B),

15=-12 (B), 16=-18 (F), 17=-51 (B)



April 5,2024



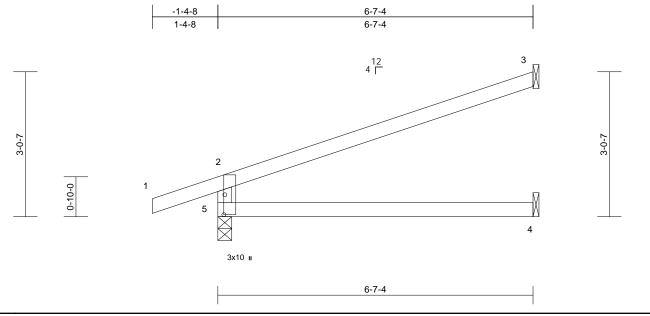
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	J19	Jack-Open	15	1	Job Reference (optional)	164697940

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:24:59 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:24.1

Plate Offsets	(X,	Y):	[5:0-5-0,0-0-4]
---------------	-----	-----	-----------------

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.07	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.17	4-5	>451	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.06	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.07	4-5	>999	240	Weight: 18 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 WEBS

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) 3= Mechanical, 4= Mechanical,

Max Horiz 5=105 (LC 4)

Max Uplift 3=-92 (LC 8), 5=-102 (LC 4) 3=198 (LC 1), 4=120 (LC 3), 5=407 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-356/158, 1-2=0/34, 2-3=-86/49

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 5 and 92 lb uplift at joint 3.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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	Lot 188 HM	
E	B240062	J20	Jack-Open	3	1	Job Reference (optional)	164697941

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1

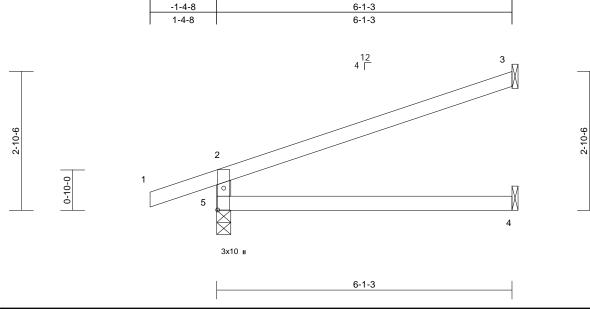


Plate Offsets (X, Y): [5:0-5-6,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.05	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.12	4-5	>580	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.05	4-5	>999	240	Weight: 16 lb	FT = 10%

LUMBER

Scale = 1:23.8

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

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) 3= Mechanical, 4= Mechanical, 5=0-3-8

Max Horiz 5=98 (LC 4)

Max Uplift 3=-85 (LC 8), 5=-100 (LC 4) 3=182 (LC 1), 4=110 (LC 3), 5=385 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-337/151, 1-2=0/34, 2-3=-79/44

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 5 and 85 lb uplift at joint 3.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

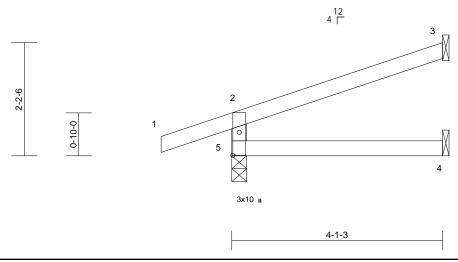
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J21	Jack-Open	3	1	Job Reference (optional)	164697942

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:22.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	4-5	>999	240	Weight: 12 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-3 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical,

5=0-3-8

Max Horiz 5=71 (LC 4)

Max Uplift 3=-56 (LC 8), 5=-91 (LC 4) 3=114 (LC 1), 4=72 (LC 3), 5=302 Max Grav

(LC 1) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 2-5=-265/124, 1-2=0/34, 2-3=-54/27

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 5 and 56 lb uplift at joint 3.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

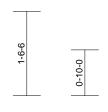


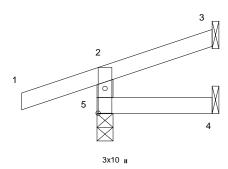
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J22	Jack-Open	4	1	Job Reference (optional)	164697943

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1











2-1-3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-1-3 oc purlins, except end verticals.

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

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical,

5=0-3-8 Max Horiz 5=44 (LC 4)

Max Uplift 3=-23 (LC 8), 5=-91 (LC 4) 3=34 (LC 1), 4=32 (LC 3), 5=234 Max Grav

(LC 1)

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-204/103, 1-2=0/34, 2-3=-31/7

BOT CHORD 4-5=0/0

NOTES

FORCES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 5 and 23 lb uplift at joint 3.

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



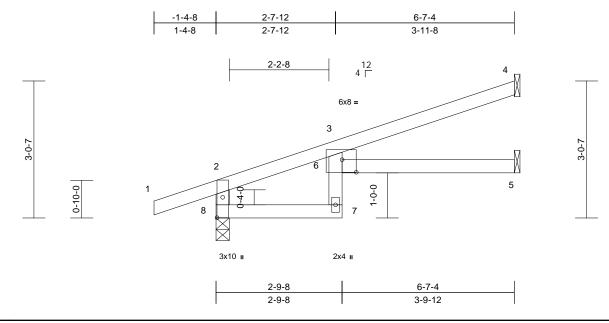
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	J23	Jack-Open	3	1	Job Reference (optional)	164697944

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:25.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.11	5-6	>712	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.20	5-6	>392	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.08	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.11	5-6	>693	240	Weight: 19 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 WEBS

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= Mechanical, 5= Mechanical, 8=0-3-8

Max Horiz 8=105 (LC 4)

Max Uplift 4=-76 (LC 8), 8=-102 (LC 4) Max Grav 4=188 (LC 1), 5=104 (LC 3), 8=407

(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 2-8=-370/122, 1-2=0/34, 2-3=-266/21,

3-4=-37/51

BOT CHORD 7-8=-81/192, 6-7=0/45, 3-6=0/98, 5-6=0/0

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 8 and 76 lb uplift at joint 4.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



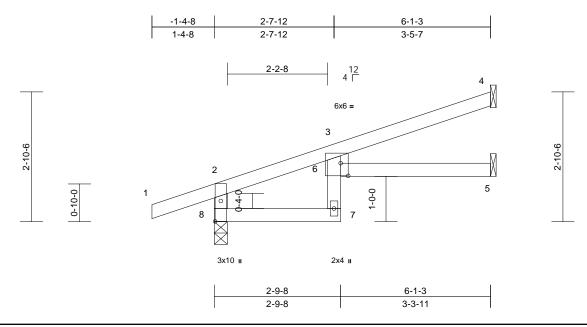
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	J24	Jack-Open	1	1	Job Reference (optional)	164697945

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:25.4

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

				l				-	-			
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.08	5-6	>939	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.14	5-6	>517	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.08	5-6	>910	240	Weight: 18 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 WEBS

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= Mechanical, 5= Mechanical,

8=0-3-8

Max Horiz 8=98 (LC 4)

Max Uplift 4=-68 (LC 8), 8=-100 (LC 4) Max Grav 4=170 (LC 1), 5=94 (LC 3), 8=385

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-8=-349/119, 1-2=0/34, 2-3=-234/16,

3-4=-33/46

BOT CHORD 7-8=-71/166, 6-7=0/46, 3-6=0/87, 5-6=0/0

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 8 and 68 lb uplift at joint 4.

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

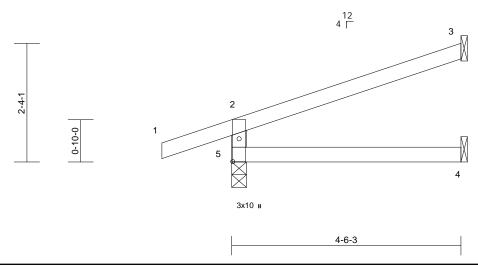
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J25	Jack-Open	2	1	Job Reference (optional)	164697946

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:22.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.03	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	4-5	>999	240	Weight: 13 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 3= Mechanical, 4= Mechanical,

5=0-3-8

Max Horiz 5=76 (LC 4) Max Uplift 3=-62 (LC 8), 5=-93 (LC 4) 3=128 (LC 1), 4=80 (LC 3), 5=319 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-280/129, 1-2=0/34, 2-3=-59/31

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 5 and 62 lb uplift at joint 3.

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

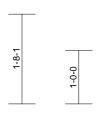
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

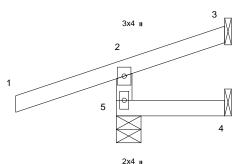


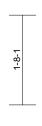
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J26	Jack-Open	3	1	Job Reference (optional)	164697947

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1









2-0-3

Scale = 1:21.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 8 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-0-3 oc purlins, except end verticals.

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

bracing.

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

Max Horiz 5=49 (LC 4)

Max Uplift

3=-15 (LC 8), 4=-4 (LC 1), 5=-129 (LC 4)

Max Grav 3=6 (LC 1), 4=28 (LC 3), 5=302

(LC 1)

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 2-5=-262/136, 1-2=0/45, 2-3=-38/1

BOT CHORD 4-5=0/0

FORCES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2 .
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 5, 15 lb uplift at joint 3 and 4 lb uplift at joint 4.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

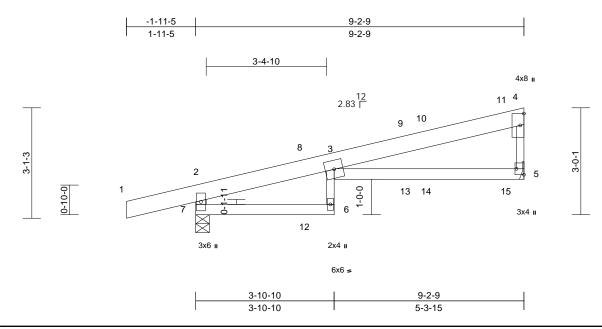
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J27	Diagonal Hip Girder	1	1	Job Reference (optional)	164697948

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:25:00 ID:ZJyCW0A5XPny13Zd6eyrZsz4SeU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:32.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.21	3-5	>503	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.39	3-5	>273	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.18	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.21	3-5	>510	240	Weight: 33 lb	FT = 10%

LUMBER

TOP CHORD 2x6 SPF No.2

2x4 SPF No.2 *Except* 6-3:2x3 SPF No.2 **BOT CHORD** 2x4 SPF No.2 *Except* 4-5:2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-9-13 oc purlins, except end verticals.

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

bracing.

REACTIONS 5= Mechanical, 7=0-4-9 (size)

Max Horiz 7=102 (LC 5)

Max Uplift 5=-129 (LC 8), 7=-181 (LC 4) Max Grav 5=606 (LC 1), 7=598 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 2-7=-578/209, 1-2=0/34, 2-3=-158/0,

3-4=-148/17, 4-5=-441/149 BOT CHORD

6-7=-1/20, 3-6=0/83, 3-5=-35/123

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 7 and 129 lb uplift at joint 5.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 67 lb down and 26 lb up at 3-0-11, 68 lb down and 13 lb up at 3-7-12, 92 lb down and 45 lb up at 5-10-10, and 100 lb down and 51 lb up at 6-5-11, and 128 lb down and 65 lb up at 8-8-9 on top chord, and 5 lb down and 7 lb up at 3-0-11, 11 lb down and 15 lb up at 3-9-6, 29 lb down and 26 lb up at 5-10-10, and 34 lb down and 23 lb up at 6-5-11, and 63 lb down at 8-8-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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 + Roof Live (balanced): Lumber Increase=1.15,
 - Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-3=-70, 3-4=-70, 6-7=-20, 3-5=-20

Concentrated Loads (lb)

Vert: 9=-10 (B), 10=-15 (F), 11=-107 (B), 12=7 (B),

13=-29 (B), 14=-34 (F), 15=-63 (B)



April 5,2024

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

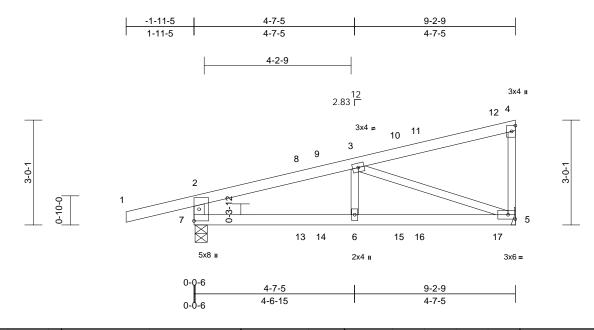
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J28	Diagonal Hip Girder	1	1	Job Reference (optional)	164697949

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:1VWakMBjljvpfD8qgMT464z4SeT-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:33

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.06	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.11	5-6	>984	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.05	5-6	>999	240	Weight: 31 lb	FT = 10%

LUMBER

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

2x3 SPF No.2 *Except* 7-2:2x4 SPF 2100F WEBS

BRACING

TOP CHORD

Structural wood sheathing directly applied or 5-9-4 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD bracing.

REACTIONS (size) 5= Mechanical, 7=0-4-3

Max Horiz 7=122 (LC 7)

Max Uplift 5=-131 (LC 8), 7=-177 (LC 4)

Max Grav 5=628 (LC 1), 7=608 (LC 1) (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-7=-519/185, 1-2=0/34, 2-3=-708/123,

3-4=-120/34, 4-5=-285/125

BOT CHORD 6-7=-155/636, 5-6=-155/636

3-6=0/203, 3-5=-636/152 WEBS

NOTES

FORCES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 177 lb uplift at joint 7 and 131 lb uplift at joint 5.

- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 67 lb down and 26 lb up at 3-0-11, 79 lb down and 50 lb up at 3-7-12, 94 lb down and 64 lb up at 5-10-10, and 109 lb down and 76 lb up at 6-5-11, and 137 lb down and 80 lb up at 8-8-9 on top chord, and 5 lb down and 7 lb up at 3-0-11, 12 lb down at 3-7-12, 23 lb down at 5-10-10, and 35 lb down at 6-5-11, and 74 lb down at 8-8-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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 + Roof Live (balanced): Lumber Increase=1.15,

Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-4=-70, 5-7=-20

Concentrated Loads (lb)

Vert: 10=-15 (F), 11=-55 (B), 12=-118 (F), 13=7 (F), 14=-3 (B), 15=-12 (F), 16=-34 (B), 17=-51 (F)



April 5,2024



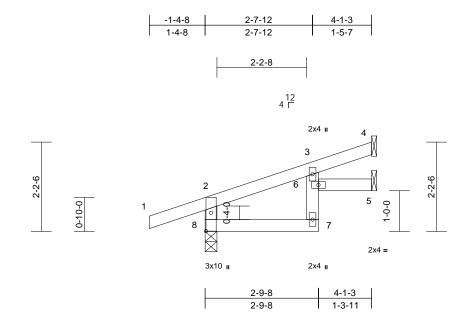
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	J29	Jack-Open	1	1	Job Reference (optional)	164697950

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:00 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:28.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	7	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	6	>999	240	Weight: 13 lb	FT = 10%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-3 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5= Mechanical,

8=0-3-8 Max Horiz 8=71 (LC 4)

Max Uplift 4=-34 (LC 8), 5=-9 (LC 8), 8=-91

(LC 4)

4=97 (LC 1), 5=57 (LC 3), 8=302 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-8=-270/109, 1-2=0/34, 2-3=-116/3,

3-4=-16/28

BOT CHORD 7-8=-33/67, 6-7=0/47, 3-6=-12/46, 5-6=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 8, 34 lb uplift at joint 4 and 9 lb uplift at joint 5.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



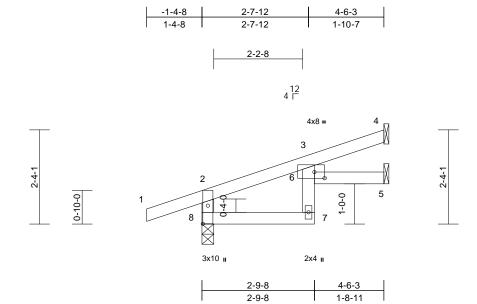
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	J30	Jack-Open	1	1	Job Reference (optional)	164697951

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:01 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:28.6

Plate Offsets (X, Y):	[3:0-3-0,0-1-14],	[8:0-5-6,0-1-8]
-----------------------	-------------------	-----------------

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.02	6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.03	7	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.02	6	>999	240	Weight: 14 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF 2400F 2.0E WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 4= Mechanical, 5= Mechanical,

8=0-3-8 Max Horiz 8=76 (LC 4)

Max Uplift 4=-42 (LC 8), 5=-6 (LC 8), 8=-93

(LC 4)

Max Grav 4=113 (LC 1), 5=65 (LC 3), 8=319

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-8=-286/111, 1-2=0/34, 2-3=-140/5,

3-4=-19/32

BOT CHORD 7-8=-40/88, 6-7=0/47, 3-6=-9/55, 5-6=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 8, 42 lb uplift at joint 4 and 6 lb uplift at joint 5.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024

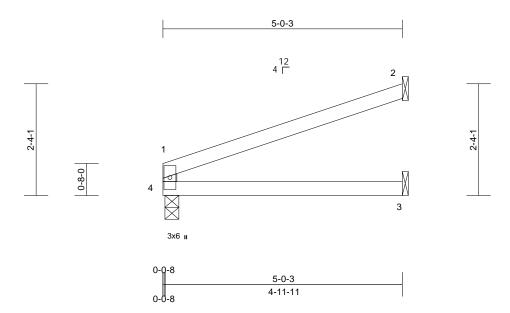




Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J31	Jack-Open	1	1	Job Reference (optional)	164697952

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:01 ID:46OpJgATn6f5Qv_RYxRc1fz4SeV-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:24.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.02	3-4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.06	3-4	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.02	3-4	>999	240	Weight: 12 lb	FT = 10%

LUMBER

LOAD CASE(S) Standard

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-3 oc purlins, except end verticals.

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

bracing.

REACTIONS (size) 2= Mechanical, 3= Mechanical,

4=0-3-8 Max Horiz 4=60 (LC 8)

Max Uplift 2=-71 (LC 8), 4=-24 (LC 4)

Max Grav 2=154 (LC 1), 3=91 (LC 3), 4=216

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-182/68, 1-2=-64/38

BOT CHORD 3-4=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 4 and 71 lb uplift at joint 2.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024



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

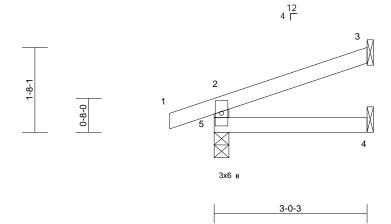
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J32	Jack-Open	1	1	Job Reference (optional)	164697953

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:01 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

-0-10-8	3-0-3
0-10-8	3-0-3



Scale = 1:22.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 8 lb	FT = 10%

LUMBER LOAD CASE(S) Standard

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

BRACING

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

bracing.

REACTIONS (size)

3= Mechanical, 4= Mechanical, 5=0-3-8

Max Horiz 5=50 (LC 4)

Max Uplift 3=-41 (LC 8), 5=-62 (LC 4)

3=83 (LC 1), 4=52 (LC 3), 5=211 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-5=-185/85, 1-2=0/23, 2-3=-38/20

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 5 and 41 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024



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

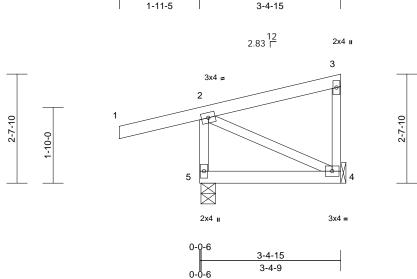
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	J33	Diagonal Hip Girder	2	1	Job Reference (optional)	164697954

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:01 ID:1VWakMBjljvpfD8qgMT464z4SeT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:27.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 16 lb	FT = 10%

LUMBER

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-4-15 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

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

Max Horiz 5=102 (LC 7)

Max Uplift 4=-36 (LC 5), 5=-136 (LC 4) Max Grav 4=98 (LC 1), 5=333 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

2-5=-301/156, 1-2=0/33, 2-3=-57/20, TOP CHORD

3-4=-66/28 BOT CHORD 4-5=-94/14 WFBS 2-4=-16/73

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 136 lb uplift at joint 5 and 36 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024

Page: 1



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

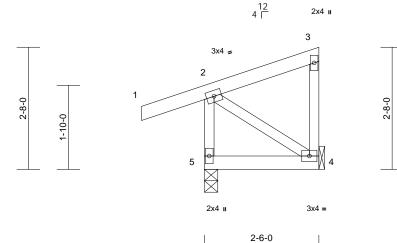


Ţ	Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
ŀ	B240062	J34	Jack-Closed	5	1	Job Reference (optional)	164697955

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:01 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

-1-4-8 2-6-0





Scale = 1:25.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 12 lb	FT = 10%

LUMBER

LOAD CASE(S) Standard

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS

BRACING

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

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

bracing.

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

Max Horiz 5=105 (LC 5)

Max Uplift 4=-55 (LC 5), 5=-95 (LC 4) Max Grav 4=70 (LC 1), 5=240 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

2-5=-217/108, 1-2=0/33, 2-3=-58/21, TOP CHORD

3-4=-47/22 BOT CHORD 4-5=-97/15 WFBS 2-4=-18/83

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
- 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 SPF No.2
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 5 and 55 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



April 5,2024

Page: 1



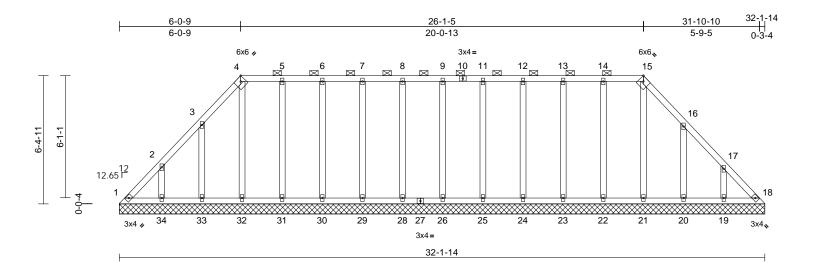
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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	Lot 188 HM	
B240062	LAY1	Lay-In Gable	1	1	Job Reference (optional)	164697956

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:25:01 ID:dn5bpz?_OjnMXhbxUmuEnzzU8Mu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:57.4

Plate Offsets (X, Y): [4:0-2-9,Edge], [15:0-2-9,Edge]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.01	18	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 164 lb	FT = 10%

OTHERS 2x4 SPF No.2 4-5=-7	on 193/157, 2-3=-132/111, 3-4=-107/150, 193/121, 5-6=-34/121, 6-7=-34/121, 84/121, 8-9=-34/121, 9-11=-34/121, =-34/121, 12-13=-34/121, =-34/121, 14-15=-35/121,
OTHERS 2x4 SPF No.2 4-5=-	85/121, 5-6=-34/121, 6-7=-34/121, 84/121, 8-9=-34/121, 9-11=-34/121, =-34/121, 12-13=-34/121,
70.4	34/121, 8-9=-34/121, 9-11=-34/121, =-34/121, 12-13=-34/121,
	=-34/121, 12-13=-34/121,
	·
TOP CHORD SITUCIONAL WOOD SHEATHING DIFECTLY ADDIEG OF	=-34/121, 14-15=-35/121,
D-U-U OC DUITINS. EXCEDI	
2-0-0 oc buillis (b-0-0 max.). 4-15.	=-82/127, 16-17=-75/45, 17-18=-145/84
BOT CHORD Rigid Celling directly applied of 10-0-0 oc	-59/128, 33-34=-59/128,
bracing. 32-33	=-59/128, 31-32=-59/127,
REACTIONS (size) 1–32-1-14 18–32-1-14 30-31	=-59/127, 29-30=-59/127,
19-32-1-14 20-32-1-14 28-29	=-59/127, 26-28=-59/127,
21-32-1-14 22-32-1-14	=-59/127, 24-25=-59/127,
23-22-1-14 24-32-1-14 23-24	=-59/127, 22-23=-59/127,
25=32-1-14, 26=32-1-14, 21-22	=-59/127, 20-21=-59/127,
28=32-1-14, 29=32-1-14, 19-20	=-59/127, 18-19=-59/127
30=32-1-14, 31=32-1-14, WEBS 15-21	=-113/0, 14-22=-150/63,
32=32-1-14, 33=32-1-14,	=-139/58, 12-24=-140/58,
32-32-1-14, 33-32-1-14, 11-25 34=32-1-14	=-140/58, 9-26=-140/58, 8-28=-140/58,
Max Horiz 1=161 (LC 5) 7-29=	-140/58, 6-30=-138/57, 5-31=-153/62,
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-129/51, 3-33=-170/155,
Max Uplift 1=-66 (LC 6), 18=-14 (LC 7), 2-34=	-166/150, 16-20=-174/159,
19=-128 (LC 9), 20=-133 (LC 9), 17-19	=-162/147
22=-39 (LC 5), 23=-34 (LC 4), NOTES	
24=-34 (LC 5), 25=-34 (LC 4),	ve loads have been considered for
20-34 (EC 3), 20-34 (EC 4),	vo loddo havo boon considered for
23-34 (LO 3), 30-33 (LO 4),	Vult-115mph (2 second gust)

31=-38 (LC 4), 32=-28 (LC 5),

33=-130 (LC 8), 34=-131 (LC 8)

1=137 (LC 17), 18=108 (LC 18),

19=209 (LC 16), 20=213 (LC 16),

21=153 (LC 22), 22=190 (LC 21),

23=179 (LC 1), 24=180 (LC 21),

25=180 (LC 1), 26=180 (LC 22),

28=180 (LC 1), 29=180 (LC 22),

30=178 (LC 1), 31=193 (LC 22),

34=214 (LC 15)

32=169 (LC 18), 33=209 (LC 15),

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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.
- Provide adequate drainage to prevent water ponding. All plates are 2x4 MT20 unless otherwise indicated. 5)
- 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.

Page: 1

- * 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 SPF No.2.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 1, 14 lb uplift at joint 18, 39 lb uplift at joint 22, 34 lb uplift at joint 23, 34 lb uplift at joint 24, 34 lb uplift at joint 25, 34 lb uplift at joint 26, 34 lb uplift at joint 28, 34 lb uplift at joint 29, 33 lb uplift at joint 30, 38 lb uplift at joint 31, 28 Ib uplift at joint 32, 130 lb uplift at joint 33, 131 lb uplift at joint 34, 133 lb uplift at joint 20 and 128 lb uplift at joint
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 5,2024

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

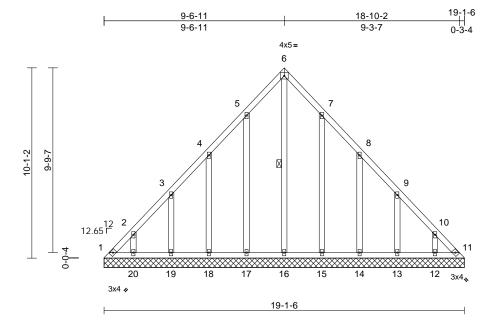
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	LAY2	Lay-In Gable	2	1	Job Reference (optional)	164697957

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:25:01 ID:np91rUJEpCcRBxk_eIMszxzU8Nn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:61.1

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horiz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 102 lb	FT = 10%

LUMBER

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

WEBS 1 Row at midpt 6-16

REACTIONS (size)

1=19-1-6, 11=19-1-6, 12=19-1-6, 13=19-1-6, 14=19-1-6, 15=19-1-6, 16=19-1-6, 17=19-1-6, 18=19-1-6,

19=19-1-6, 20=19-1-6

Max Horiz 1=-258 (LC 4) Max Uplift 1=-132 (LC 6), 11=-89 (LC 7),

12=-112 (LC 9), 13=-126 (LC 9),

14=-128 (LC 9), 15=-121 (LC 9), 17=-123 (LC 8), 18=-127 (LC 8),

19=-126 (LC 8), 20=-112 (LC 8)

Max Grav 1=257 (LC 8), 11=228 (LC 9),

12=183 (LC 16), 13=208 (LC 16), 14=201 (LC 16), 15=211 (LC 16),

16=238 (LC 9), 17=214 (LC 15), 18=200 (LC 15), 19=208 (LC 15),

20=183 (LC 15)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=-364/224, 2-3=-259/186, 3-4=-166/138, TOP CHORD 4-5=-140/134, 5-6=-114/197, 6-7=-89/175, 7-8=-95/94, 8-9=-122/78, 9-10=-220/126,

10-11=-325/164

BOT CHORD 1-20=-112/240, 19-20=-112/240,

18-19=-112/240, 17-18=-112/240, 16-17=-112/240, 15-16=-112/240, 14-15=-112/240, 13-14=-112/240,

12-13=-112/240, 11-12=-112/240

WEBS

6-16=-214/28, 5-17=-174/147, 4-18=-160/150, 3-19=-167/151, 2-20=-144/130, 7-15=-171/145, 8-14=-162/151, 9-13=-167/151,

10-12=-144/130

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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.
- 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.
- All bearings are assumed to be SPF No.2.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 1, 89 lb uplift at joint 11, 123 lb uplift at joint 17, 127 lb uplift at joint 18, 126 lb uplift at joint 19, 112 lb uplift at joint 20, 121 lb uplift at joint 15, 128 lb uplift at joint 14, 126 lb uplift at joint 13 and 112 lb uplift at joint 12.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

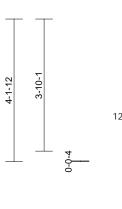


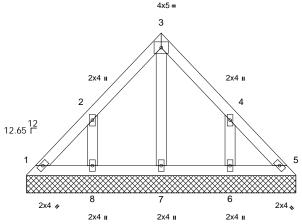
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	LAY3	Lay-In Gable	1	1	Job Reference (optional)	164697958

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:25:01 ID:C7Jlvh8S6vrRWngHqM6aO_zU8O?-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1







7-9-14

Scale = 1:33.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 28 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF 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) 1=7-9-14, 5=7-9-14, 6=7-9-14,

7=7-9-14, 8=7-9-14 Max Horiz 1=-100 (LC 4)

Max Uplift 1=-23 (LC 4), 5=-6 (LC 5), 6=-142

(LC 9), 8=-142 (LC 8)

1=93 (LC 16), 5=84 (LC 18), 6=223 Max Grav

(LC 16), 7=122 (LC 18), 8=223 (LC

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-109/84, 2-3=-97/76, 3-4=-89/61, 4-5=-94/61

BOT CHORD 1-8=-40/86, 7-8=-40/86, 6-7=-40/86, 5-6=-40/86

WEBS 3-7=-81/0, 2-8=-184/166, 4-6=-183/166

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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.
- 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.
- All bearings are assumed to be SPF No.2
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1, 6 lb uplift at joint 5, 142 lb uplift at joint 8 and 142 lb uplift at joint 6.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024

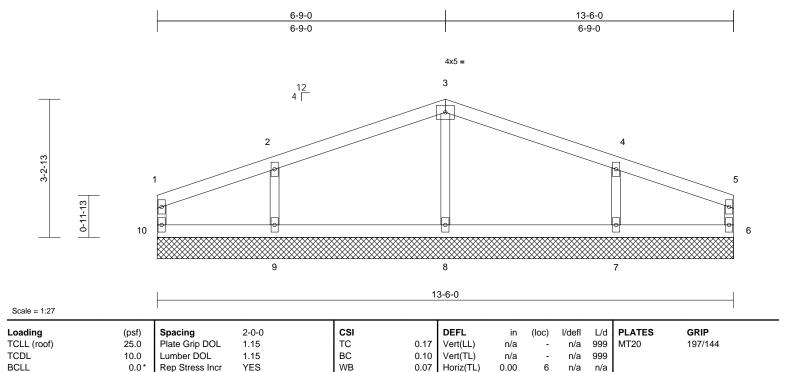




Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	V1	Valley	1	1	Job Reference (optional)	164697959

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:25:01 ID:46OpJgATn6f5Qv_RYxRc1fz4SeV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



BCDL LUMBER

2x4 SPF No.2 TOP CHORD **BOT CHORD** 2x4 SPF No.2 2x3 SPF No.2 WEBS 2x3 SPF No.2 OTHERS

BRACING

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

10.0

Code

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

bracing.

REACTIONS (size) 6=13-6-0, 7=13-6-0, 8=13-6-0, 9=13-6-0, 10=13-6-0

Max Horiz 10=17 (LC 20) Max Uplift 6=-12 (LC 4), 7=-96 (LC 9), 9=-97

(LC 8), 10=-12 (LC 5)

Max Grav 6=85 (LC 1), 7=355 (LC 22), 8=336

(LC 1), 9=355 (LC 21), 10=85 (LC

FORCES (lb) - Maximum Compression/Maximum

TOP CHORD 1-10=-66/23, 1-2=-40/37, 2-3=-62/68 3-4=-62/68, 4-5=-39/37, 5-6=-66/23 **BOT CHORD** 9-10=-7/14, 8-9=-7/14, 7-8=-7/14, 6-7=-7/14

WEBS 3-8=-252/47, 2-9=-283/137, 4-7=-283/137

NOTES

- 1) Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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.
- 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 4-0-0 oc.

IRC2018/TPI2014

- 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 SPF No.2

Matrix-R

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 10, 12 lb uplift at joint 6, 97 lb uplift at joint 9 and 96 lb uplift at joint 7.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Weight: 37 lb

FT = 10%

April 5,2024



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

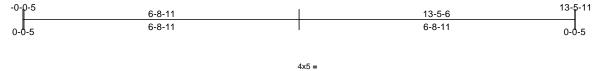
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

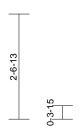


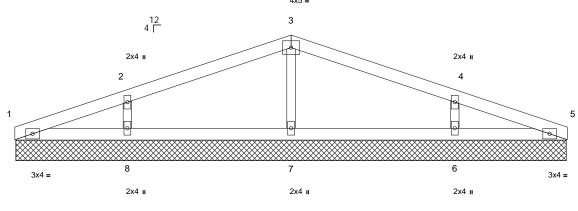
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	V2	Valley	1	1	Job Reference (optional)	164697960

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:25:02 $ID: 46 OpJgATn6f5Qv_RYxRc1fz4SeV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?ff$

Page: 1







13-5-6

Scale = 1:28.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 34 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x3 SPF 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)

1=13-5-6, 5=13-5-6, 6=13-5-6, 7=13-5-6, 8=13-5-6

Max Horiz 1=40 (LC 8)

Max Uplift 1=-8 (LC 5), 5=-9 (LC 5), 6=-92 (LC 9), 7=-11 (LC 4), 8=-92 (LC 8)

Max Grav 1=86 (LC 1), 5=86 (LC 1), 6=362 (LC 22), 7=329 (LC 1), 8=362 (LC

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-50/37, 2-3=-68/60, 3-4=-68/52,

BOT CHORD 1-8=0/30, 7-8=0/30, 6-7=0/30, 5-6=0/30 WEBS 3-7=-247/61, 2-8=-286/135, 4-6=-286/135

NOTES

- Unbalanced roof live loads have been considered for 1) this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II: Exp C: 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. Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 1, 9 lb uplift at joint 5, 11 lb uplift at joint 7, 92 lb uplift at joint 8 and 92 lb uplift at joint 6.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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



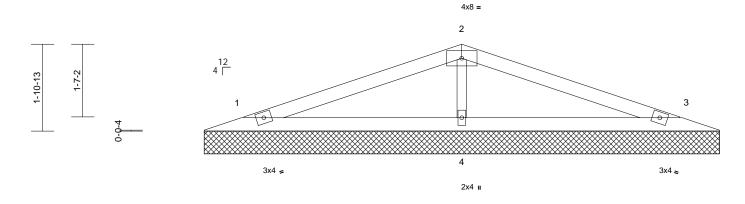
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	V3	Valley	1	1	Job Reference (optional)	164697961

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Thu Apr 04 12:25:02 $ID: 46 Op Jg ATn 6f 5 Qv_RYxRc1 fz 4 SeV-RfC? Ps B70 Hq 3NSgPqnL8w 3ulTXbGKWrCDoi 7J4zJC? full file for the first of the$

Page: 1

5-7-12	10-5-1	11-3-8
5-7-12	4-9-5	0-10-7

11-3-8



Scale = 1:25.2

								-	-			
Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 25 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 2x4 SPF No.2 **BOT CHORD** 2x3 SPF 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) 1=11-3-8, 3=11-3-8, 4=11-3-8

Max Horiz 1=-28 (LC 9)

Max Uplift 1=-41 (LC 4), 3=-44 (LC 9), 4=-44

(LC 4)

1=192 (LC 21), 3=192 (LC 22), Max Grav

4=486 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-78/45, 2-3=-78/36 **BOT CHORD** 1-4=-1/29, 3-4=-1/29 2-4=-342/101 WEBS

NOTES

- 1) Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 1, 44 lb uplift at joint 3 and 44 lb uplift at joint 4.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



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

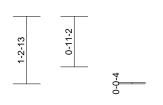


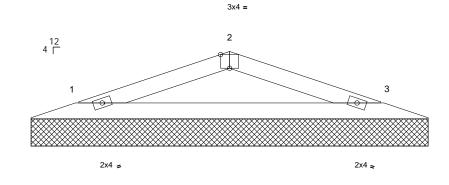
Job	Truss	Truss Type	Qty	Ply	Lot 188 HM	
B240062	V4	Valley	1	1	Job Reference (optional)	164697962

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Thu Apr 04 12:25:02 ID:ISNF5dfl46LuFtme71Pkv2zU8Pw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

3-7-12	6-5-1	7-3-8
3-7-12	2-9-5	0-10-7





7-3-8

Scale = 1:21.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 15 lb	FT = 10%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2

BRACING TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

bracing.

REACTIONS (size) 1=7-3-8, 3=7-3-8

Max Horiz 1=-17 (LC 9)

Max Uplift 1=-37 (LC 4), 3=-37 (LC 5) Max Grav 1=249 (LC 1), 3=249 (LC 1) (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-327/104, 2-3=-327/104

BOT CHORD 1-3=-81/286

NOTES

FORCES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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.
- 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.
- All bearings are assumed to be SPF No.2 .

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 1 and 37 lb uplift at joint 3.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 5,2024



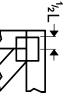
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

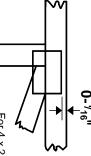


Symbols

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

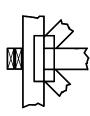
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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.

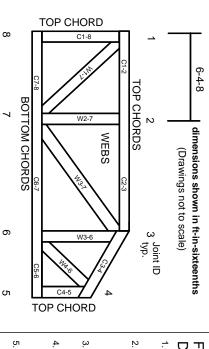
Industry Standards:

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.

© 2023 MiTek® All Rights Reserved

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.
- 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.
- 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.

œ

Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.

9

- 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.
- 17. 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.
- 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.