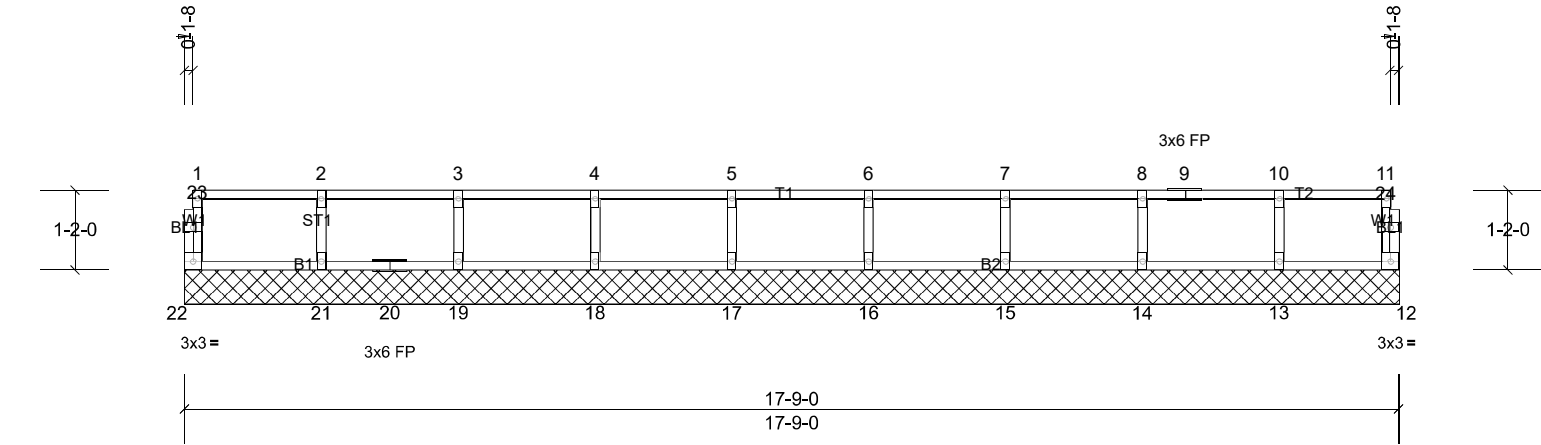


Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F1	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:33.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 68 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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.

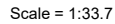
REACTIONS All bearings 17-9-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19, 21, 22

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

NOTES
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Peak Truss Builders LLC, New Hill, user Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Fri Jul 18 09:27:21 Page: 1
ID:1j5mBxgIy?XapAtSuB3ZGRyx6bG-SRnXwS1VNYg?DdOqMDV?gYgsbe9vIMXUXP1Eabywu74



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.33	12-13	>645	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.45	12-13	>467	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.07	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 87 lb	FT = 20%F, 11%E

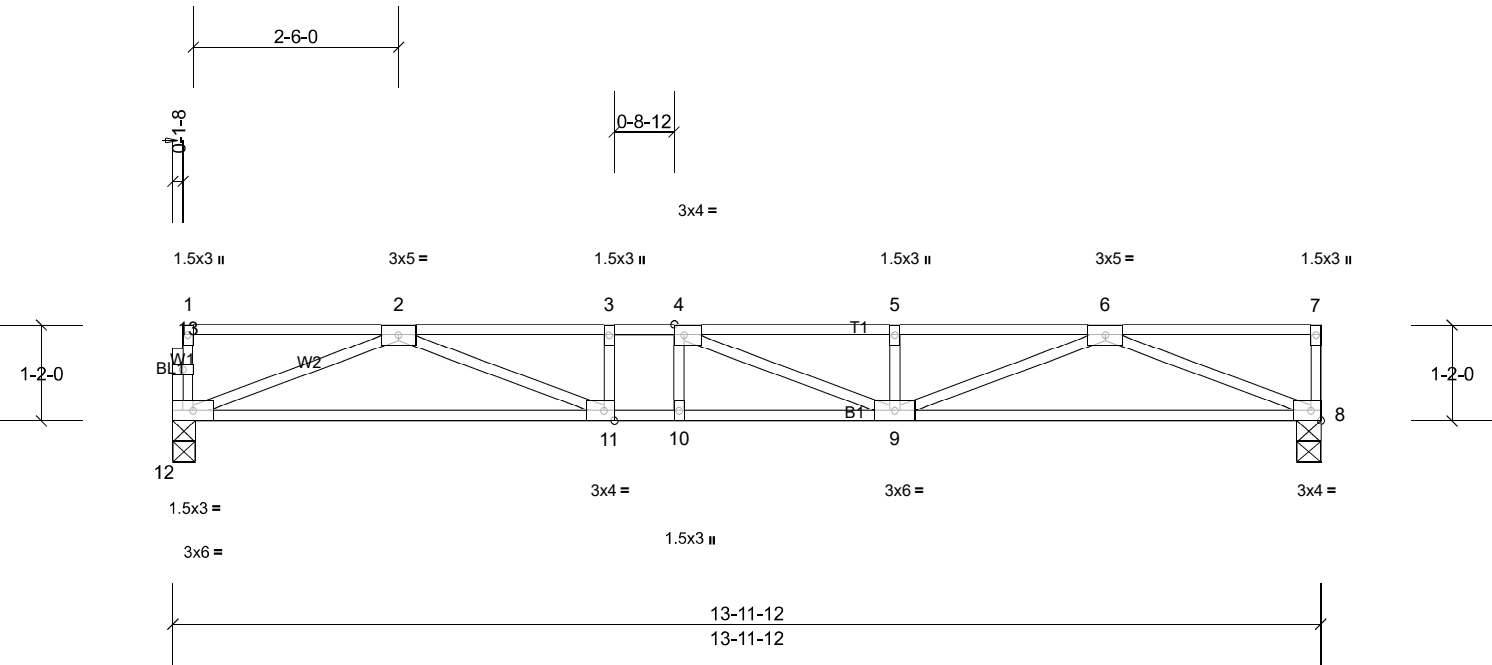
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 4-10-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F3	Floor	4	1	Job Reference (optional)



Scale = 1:28.1

Plate Offsets (X, Y): [4:0-1-8,Edge], [11:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.17	9-10	>966	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.23	9-10	>734	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 69 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

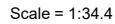
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 8=759/0-3-8, (min. 0-1-8), 12=752/0-3-4, (min. 0-1-8)
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2441/0, 3-4=-2441/0, 4-5=-2419/0, 5-6=-2419/0
BOT CHORD 11-12=0/1591, 10-11=0/2441, 9-10=0/2441, 8-9=0/1556
WEBS 6-8=-1680/0, 2-12=-1705/0, 6-9=0/932, 2-11=0/929, 5-9=-291/0, 4-9=-347/249

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Peak Truss Builders LLC, New Hill, user Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Fri Jul 18 09:27:22 Page: 1
ID:1j5mBxgly?XapAtSuB3ZGRyx6bG-weLv7o278sosrnz0vw1EDmD9y2j1zldm3nn61ywu73



LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS All bearings 18-3-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19, 21, 22

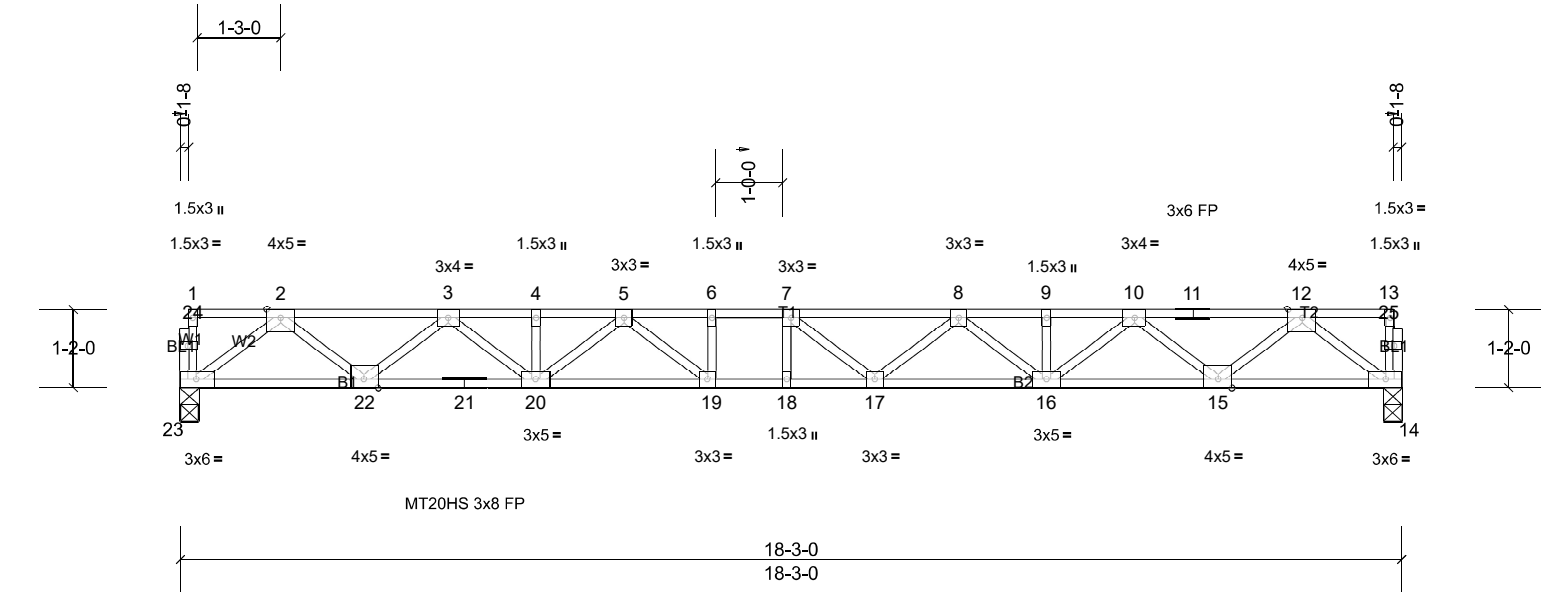
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 2'-0" oc.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F5	Floor	3	1	Job Reference (optional)



Scale = 1:34.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.81	Vert(LL)	-0.34	17-18	>631	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.47	17-18	>460	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.08	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 94 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat) *Except* B2:2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 18-19,17-18.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

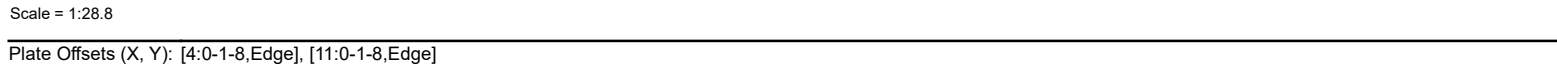
REACTIONS (lb/size) 14=984/0-3-4, (min. 0-1-8), 23=984/0-3-4, (min. 0-1-8)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2095/0, 3-4=-3496/0, 4-5=-3496/0, 5-6=-4242/0, 6-7=-4242/0, 7-8=-4142/0, 8-9=-3490/0, 9-10=-3490/0, 10-11=-2094/0, 11-12=-2094/0
BOT CHORD	22-23=0/1238, 21-22=0/2912, 20-21=0/2912, 19-20=0/3944, 18-19=0/4242, 17-18=0/4242, 16-17=0/3978, 15-16=0/2916, 14-15=0/1237
WEBS	12-14=-1549/0, 2-23=-1551/0, 12-15=0/1116, 2-22=0/1115, 10-15=-1070/0, 3-22=-1064/0, 10-16=0/734, 3-20=0/746, 8-16=-623/0, 5-20=-572/0, 8-17=-17/370, 5-19=-44/618, 7-17=-408/184

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Peak Truss Builders LLC, New Hill, user Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Fri Jul 18 09:27:22 Page: 1
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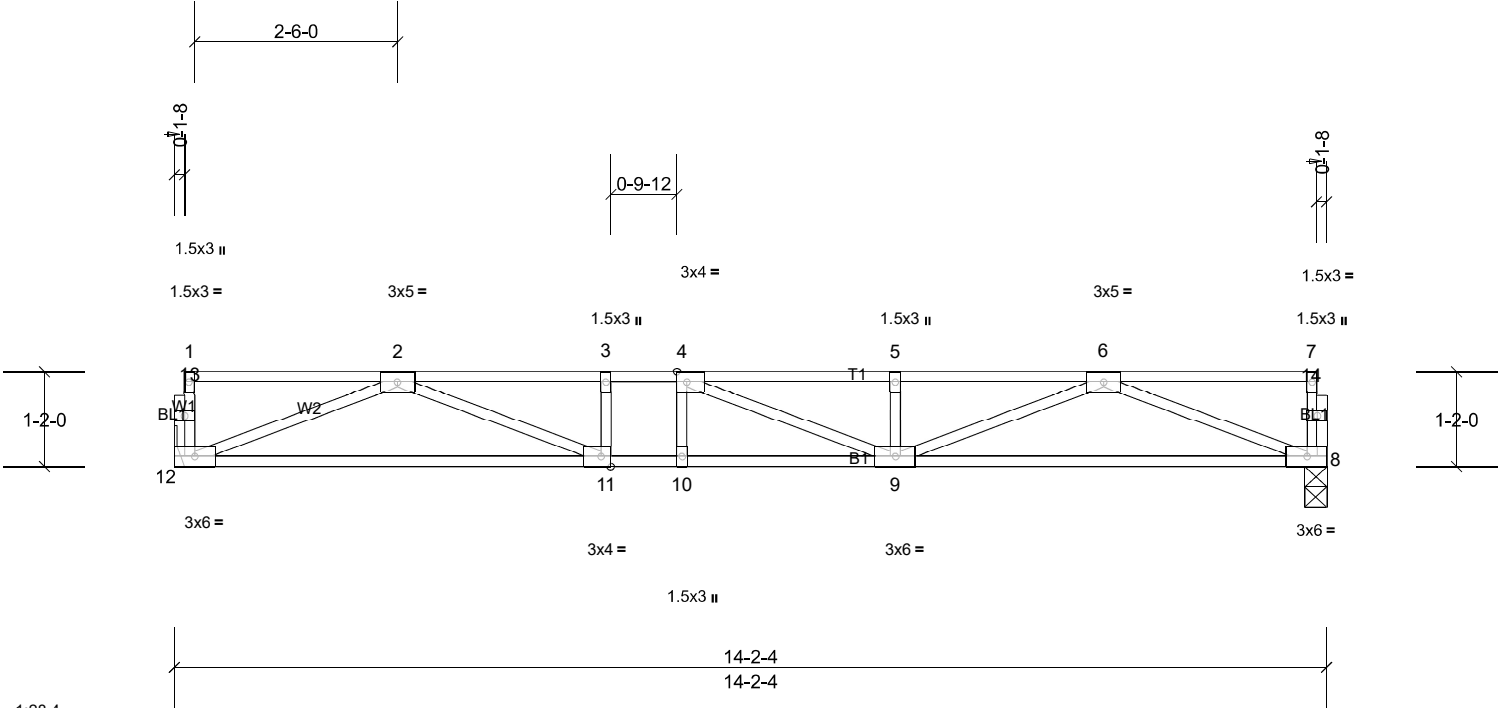
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-9-4 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD	2x4 SP No.1(flat)		
WEBS	2x4 SP No.3(flat)	BOT CHORD	
OTHERS	2x4 SP No.3(flat)		

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F7	Floor	7	1	Job Reference (optional)



Scale = 1:28.4

Plate Offsets (X, Y): [4:0-1-8,Edge], [11:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.18	9-10	>920	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.24	9-10	>700	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 71 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 9-10.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS (lb/size) 8=760/0-3-4, (min. 0-1-8), 12=760/ Mechanical, (min. 0-1-8)

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

TOP CHORD 2-3=-2486/0, 3-4=-2486/0, 4-5=-2473/0, 5-6=-2473/0

BOT CHORD 11-12=0/1611, 10-11=0/2486, 9-10=0/2486, 8-9=0/1604

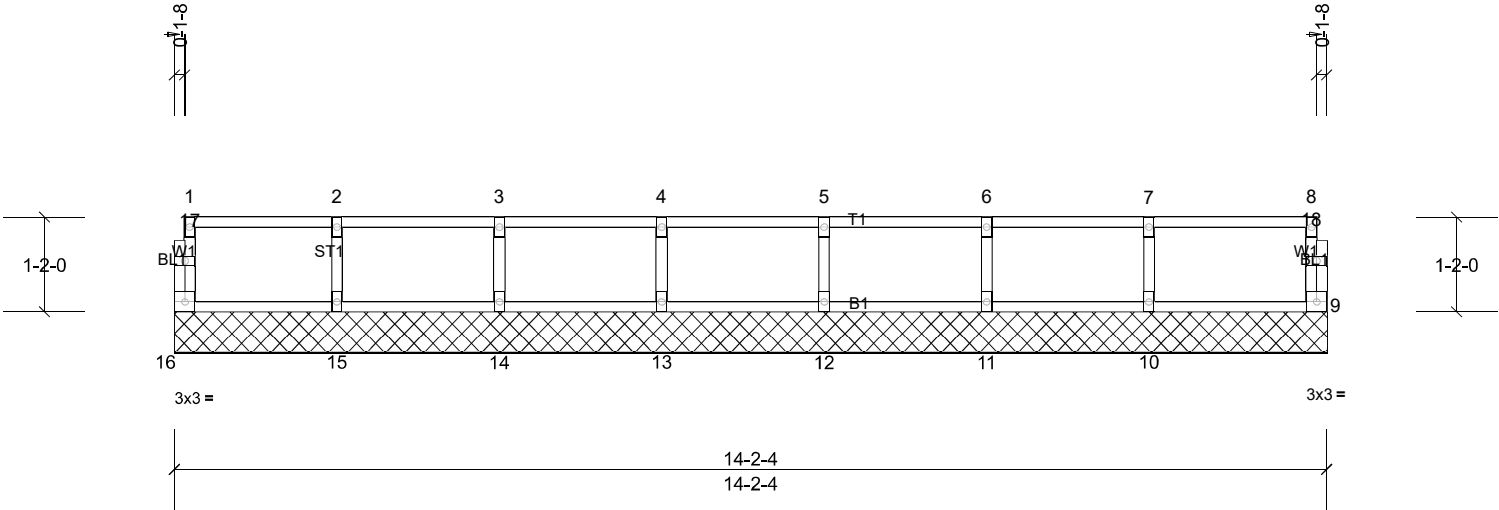
WEBS 6-8=-1718/0, 2-12=-1727/0, 6-9=0/938, 2-11=0/957, 5-9=-295/0, 4-9=-352/259

NOTES

- Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F8	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:28.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 55 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS All bearings 14-2-4.

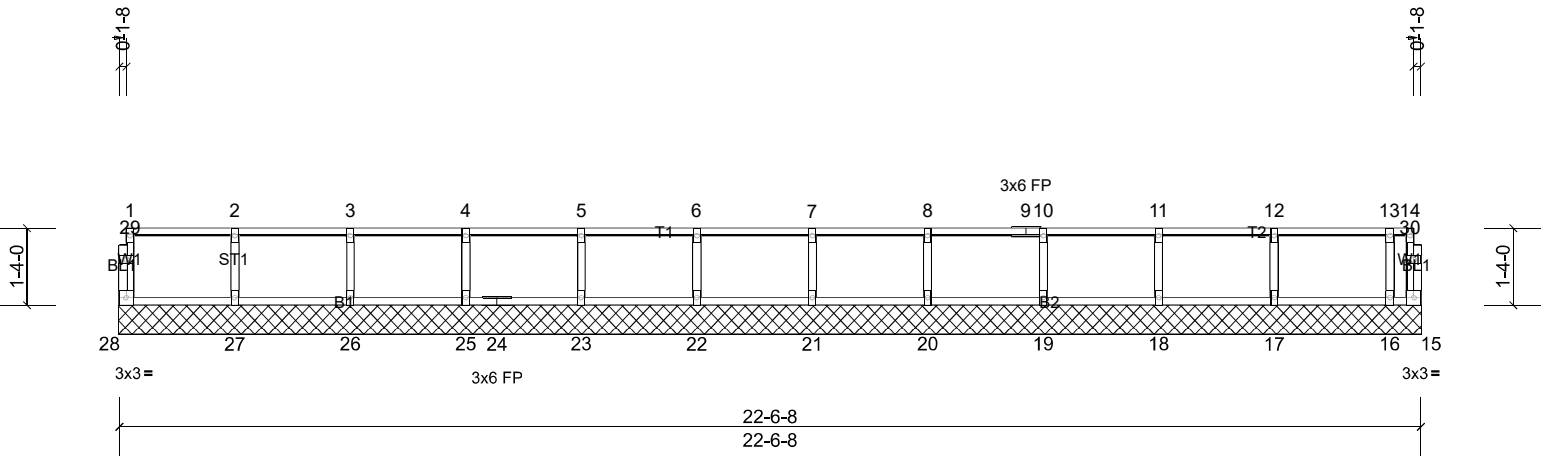
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 9, 10, 11, 12, 13, 14, 15, 16

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

- NOTES**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F9	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:39.9

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 90 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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.

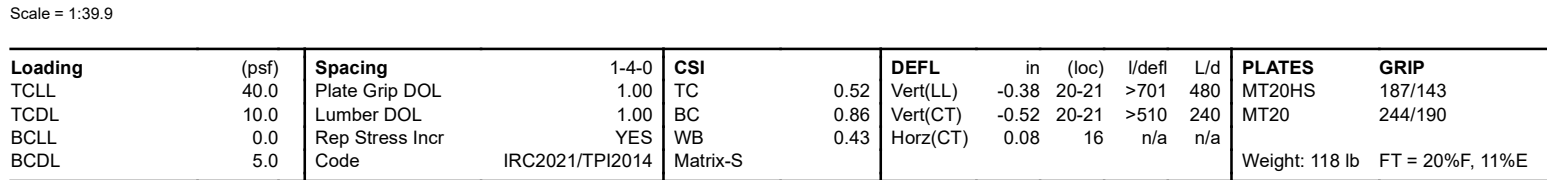
REACTIONS All bearings 22-6-8.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 15
Max Grav All reactions 250 (lb) or less at joint(s) 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28

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

NOTES
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

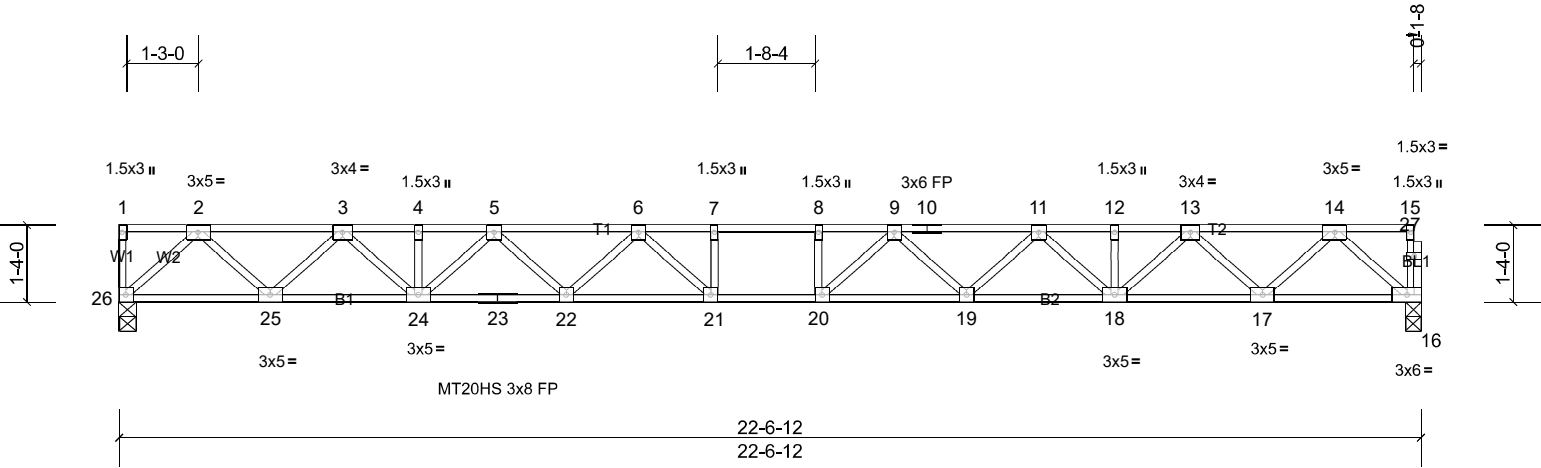
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REACTIONS	(lb/size) 16=814/0-3-4, (min. 0-1-8), 26=814/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1547/0, 3-4=-2688/0, 4-5=-2688/0, 5-6=-3396/0, 6-7=-3752/0, 7-8=-3752/0, 8-9=-3752/0, 9-10=-3396/0, 10-11=-3396/0, 11-12=-2687/0, 12-13=-2687/0, 13-14=-1547/0
BOT CHORD	25-26=0/891, 24-25=0/2183, 23-24=0/3130, 22-23=0/3130, 21-22=0/3643, 20-21=0/3752, 19-20=0/3643, 18-19=0/3131, 17-18=0/2183, 16-17=0/891
WEBS	14-16=-1185/0, 2-26=-1185/0, 14-17=0/912, 2-25=0/912, 13-17=-885/0, 3-25=-885/0, 13-18=0/685, 3-24=0/686, 11-18=-603/0, 5-24=-602/0, 11-19=0/369, 5-22=0/369, 9-19=-354/0, 6-22=-354/0, 9-20=-154/424, 6-21=-154/423

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|---------------------|----------|
| LOAD CASE(S) | Standard |
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Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F11	Floor	4	1	Job Reference (optional)



Scale = 1:39.9

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.39	20-21	>695	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.53	20-21	>506	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.08	16	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPJ2014	Matrix-S							Weight: 117 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat) *Except* B2:2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
REACTIONS	(lb/size) 16=816/0-3-4, (min. 0-1-8), 26=820/0-3-8, (min. 0-1-8)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-1520/0, 3-4=-2675/0, 4-5=-2675/0, 5-6=-3397/0, 6-7=-3771/0, 7-8=-3771/0, 8-9=-3771/0, 9-10=-3411/0, 10-11=-3411/0, 11-12=-2697/0, 12-13=-2697/0, 13-14=-1552/0		
BOT CHORD	25-26=0/857, 24-25=0/2163, 23-24=0/3125, 22-23=0/3125, 21-22=0/3652, 20-21=0/3771, 19-20=0/3660, 18-19=0/3143, 17-18=0/2191, 16-17=0/894		
WEBS	14-16=-1188/0, 2-26=-1165/0, 14-17=0/916, 2-25=0/921, 13-17=-888/0, 3-25=-894/0, 13-18=0/688, 3-24=0/696, 11-18=-607/0, 5-24=-612/0, 11-19=0/373, 5-22=0/378, 9-19=-358/0, 6-22=-363/0, 9-20=-154/435, 6-21=-146/442		

- NOTES
- 1) Unbalanced floor live loads have been considered for this design.

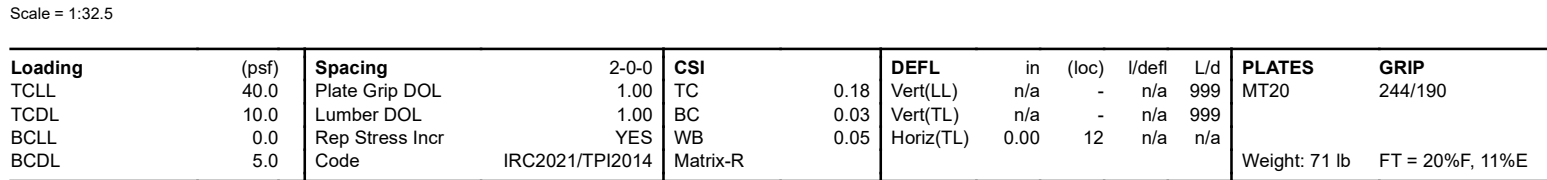
2) All plates are MT20 plates unless otherwise indicated.

3) All plates are 3x3 MT20 unless otherwise indicated.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.
- LOAD CASE(S) Standard

Peak Truss Builders LLC, New Hill, user Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Fri Jul 18 09:27:23 Page: 1
ID:08hE0t8X5f1LMwzUNdIC3hywvKQ-OqvHL83lu9wSxYDTeYtIzLaR3HmQ0m?jWLeTywu72



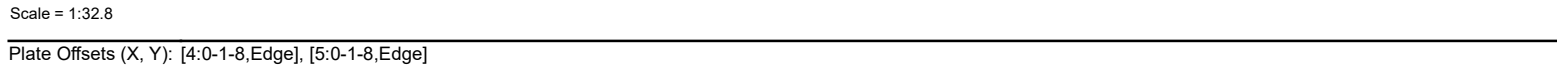
REACTIONS All bearings 17-7-4.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19, 21, 22

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

- NOTES**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 2-0-0 oc.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Peak Truss Builders LLC, New Hill, user Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Fri Jul 18 09:27:23 Page: 1
ID:08hE0t8X5f1LMwzUNdC3hywwKQ-OqvHL83lu9wSxYDTeYtIzICIRsVmHFm?jWLeTywu72



LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat) *Except* B2:2x4 SP No.1(flat)		
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3(flat)		

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F14	Floor	5	1	Job Reference (optional)

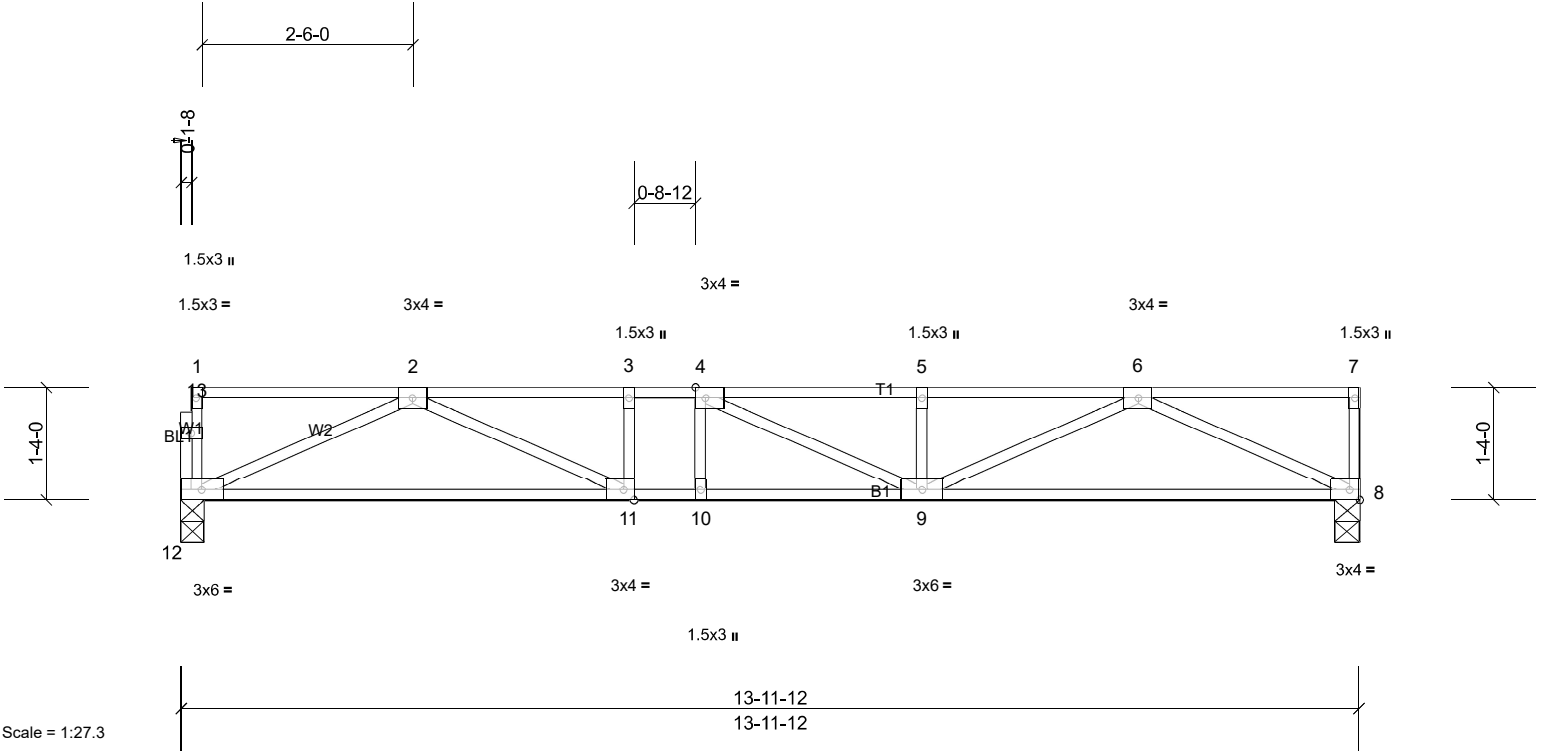


Plate Offsets (X, Y): [4:0-1-8,Edge], [11:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.56	Vert(LL)	-0.14	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.18	9-10	>940	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 71 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS (lb/size) 8=759/0-3-8, (min. 0-1-8), 12=752/0-3-4, (min. 0-1-8)

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

TOP CHORD 2-3=-2107/0, 3-4=-2107/0, 4-5=-2089/0, 5-6=-2089/0

BOT CHORD 11-12=0/1374, 10-11=0/2107, 9-10=0/2107, 8-9=0/1344

WEBS 6-8=-1485/0, 2-12=-1506/0, 6-9=0/824, 2-11=0/821, 5-9=-292/0, 4-9=-307/221

NOTES

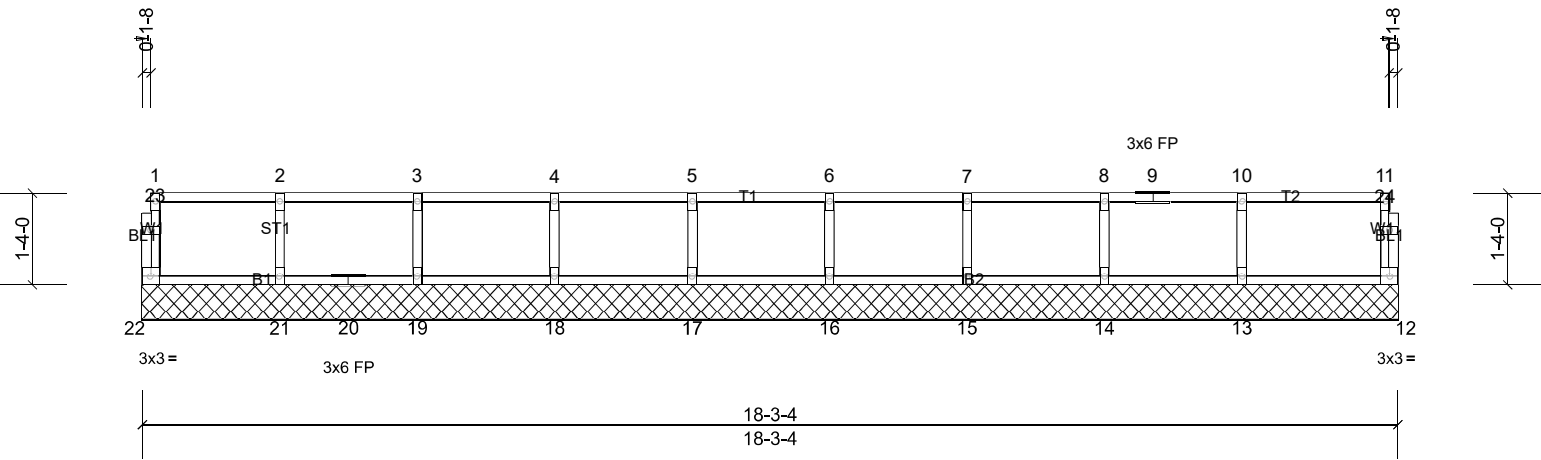
1) Unbalanced floor live loads have been considered for this design.

2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F15	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:33.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 73 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

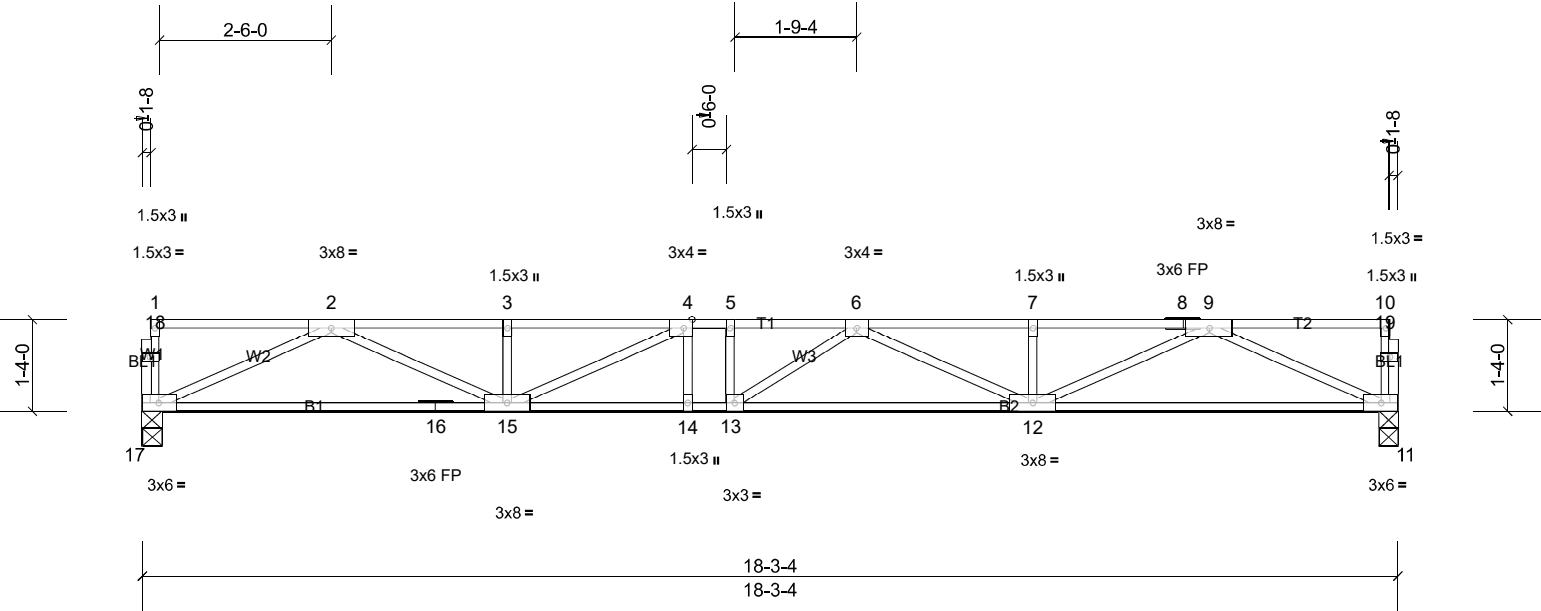
REACTIONS All bearings 18-3-4.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19, 21, 22

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

- NOTES**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F16	Floor	2	1	Job Reference (optional)



Scale = 1:33.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	-0.28	12-13	>785	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.39	12-13	>559	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 94 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat) *Except* B2:2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS (lb/size) 11=985/0-3-4, (min. 0-1-8), 17=985/0-3-8, (min. 0-1-8)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3081/0, 3-4=-3081/0, 4-5=-3666/0, 5-6=-3666/0, 6-7=-3082/0, 7-8=-3082/0, 8-9=-3082/0
BOT CHORD	16-17=0/1871, 15-16=0/1871, 14-15=0/3666, 13-14=0/3666, 12-13=0/3643, 11-12=0/1873
WEBS	9-11=-2056/0, 2-17=-2054/0, 9-12=0/1337, 2-15=0/1337, 3-15=-271/0, 6-12=-621/0, 4-15=-791/0, 6-13=-272/356

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Peak Truss Builders LLC, New Hill, user Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Fri Jul 18 09:27:24 Page: 1
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LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

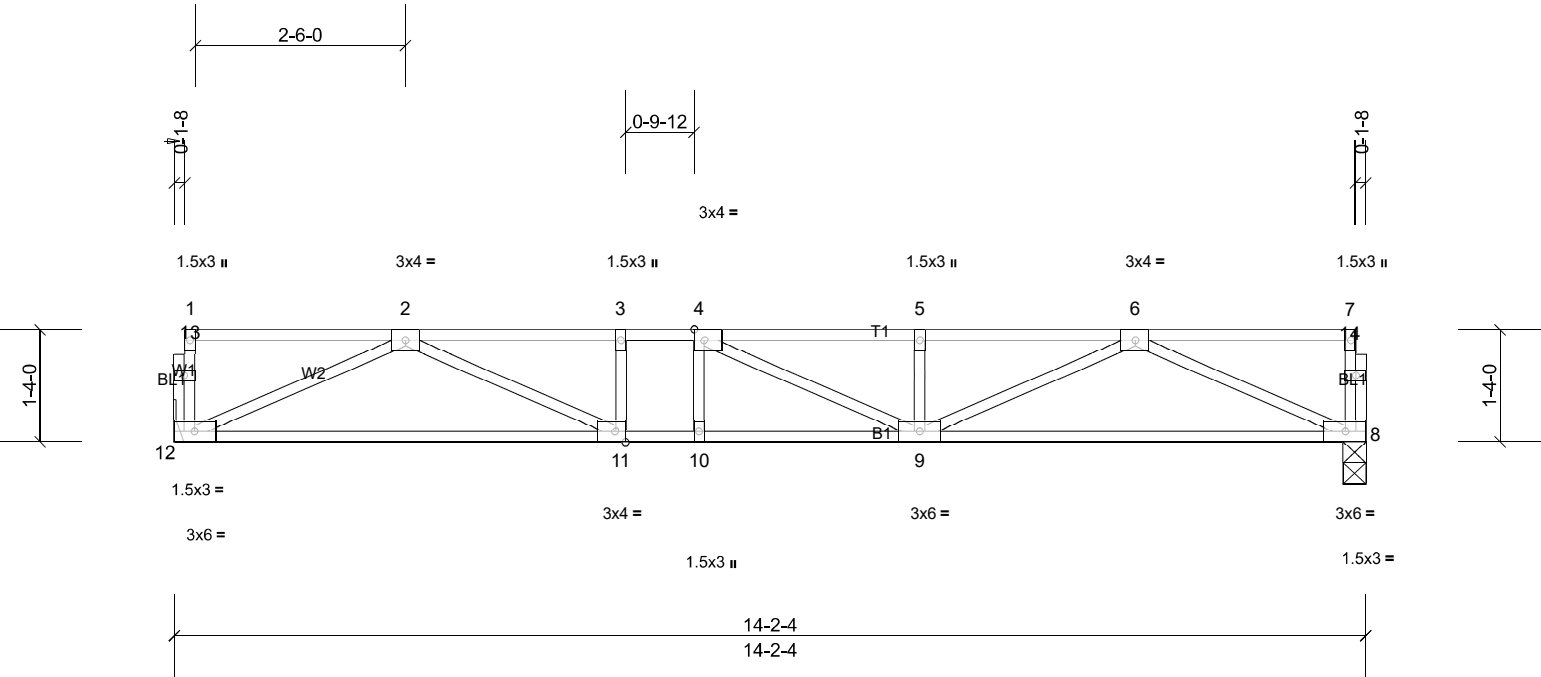
REACTIONS	(lb/size) 8=780/0-3-4, (min. 0-1-8), 12=786/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2241/0, 3-4=-2241/0, 4-5=-2224/0, 5-6=-2224/0
BOT CHORD	11-12=0/1410, 10-11=0/2241, 9-10=0/2241, 8-9=0/1427
WEBS	6-8=-1565/0, 2-12=-1559/0, 6-9=0/881, 2-11=0/934, 5-9=-308/0, 3-11=-266/0, 4-9=-349/228

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.

LOAD CASE(S)	Standard
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Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F18	Floor	7	1	Job Reference (optional)



Scale = 1:27.4

Plate Offsets (X, Y): [4:0-1-8,Edge], [11:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.14	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.19	9-10	>891	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 73 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS (lb/size) 8=760/0-3-4, (min. 0-1-8), 12=760/ Mechanical, (min. 0-1-8)

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

TOP CHORD 2-3=-2146/0, 3-4=-2146/0, 4-5=-2135/0, 5-6=-2135/0

BOT CHORD 11-12=0/1391, 10-11=0/2146, 9-10=0/2146, 8-9=0/1385

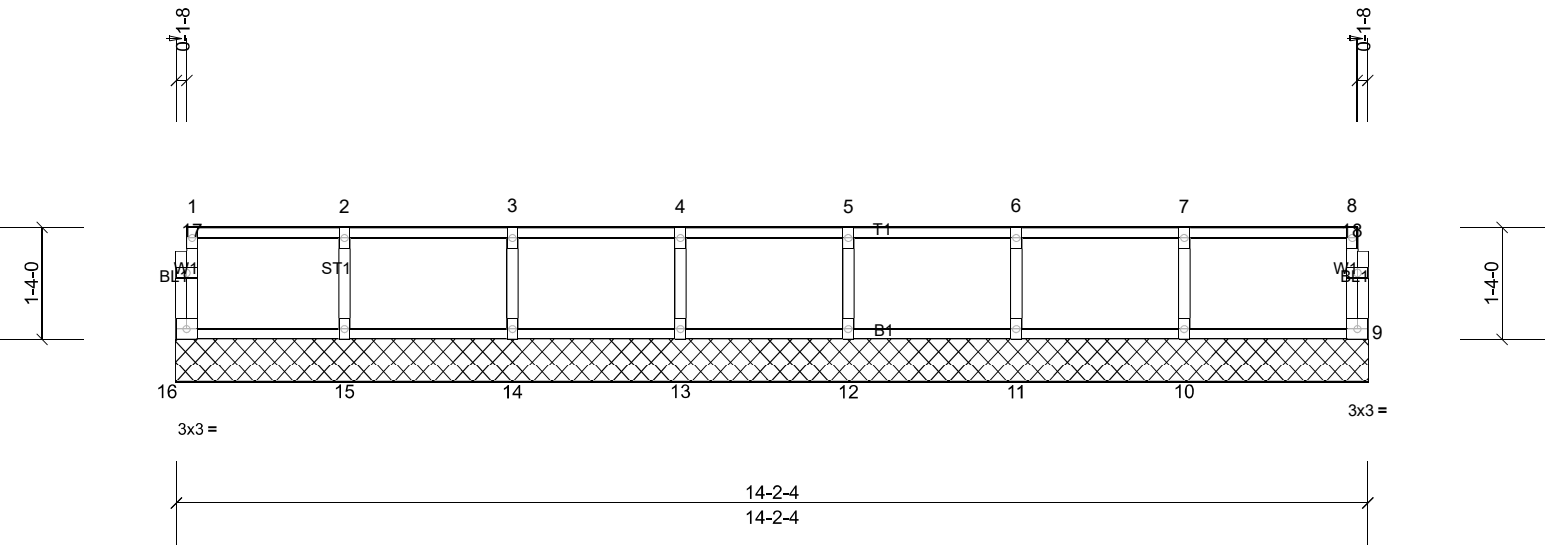
WEBS 6-8=-1518/0, 2-12=-1526/0, 6-9=0/830, 2-11=0/846, 5-9=-296/0, 4-9=-311/229

NOTES

- Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F19	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:27.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 57 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

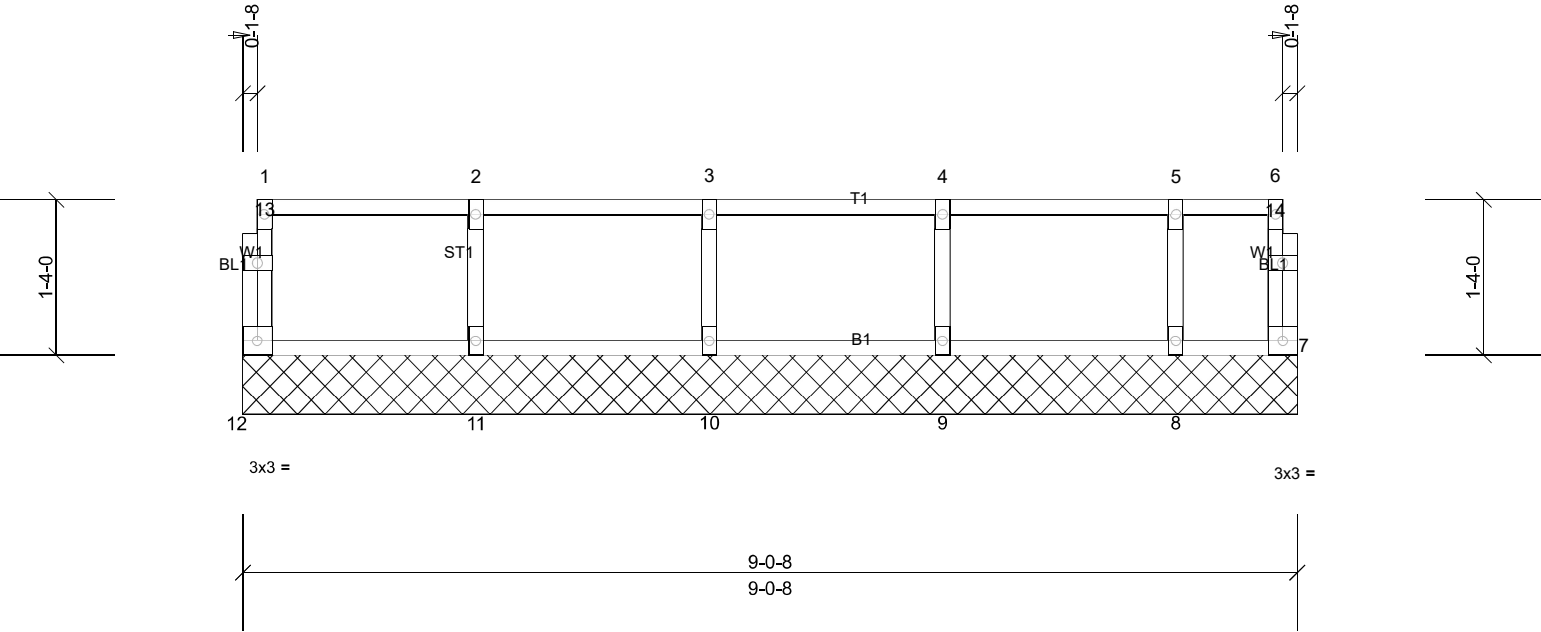
REACTIONS All bearings 14-2-4.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 9, 10, 11, 12, 13, 14, 15, 16

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

- NOTES**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	F20	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:19.8

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 39 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

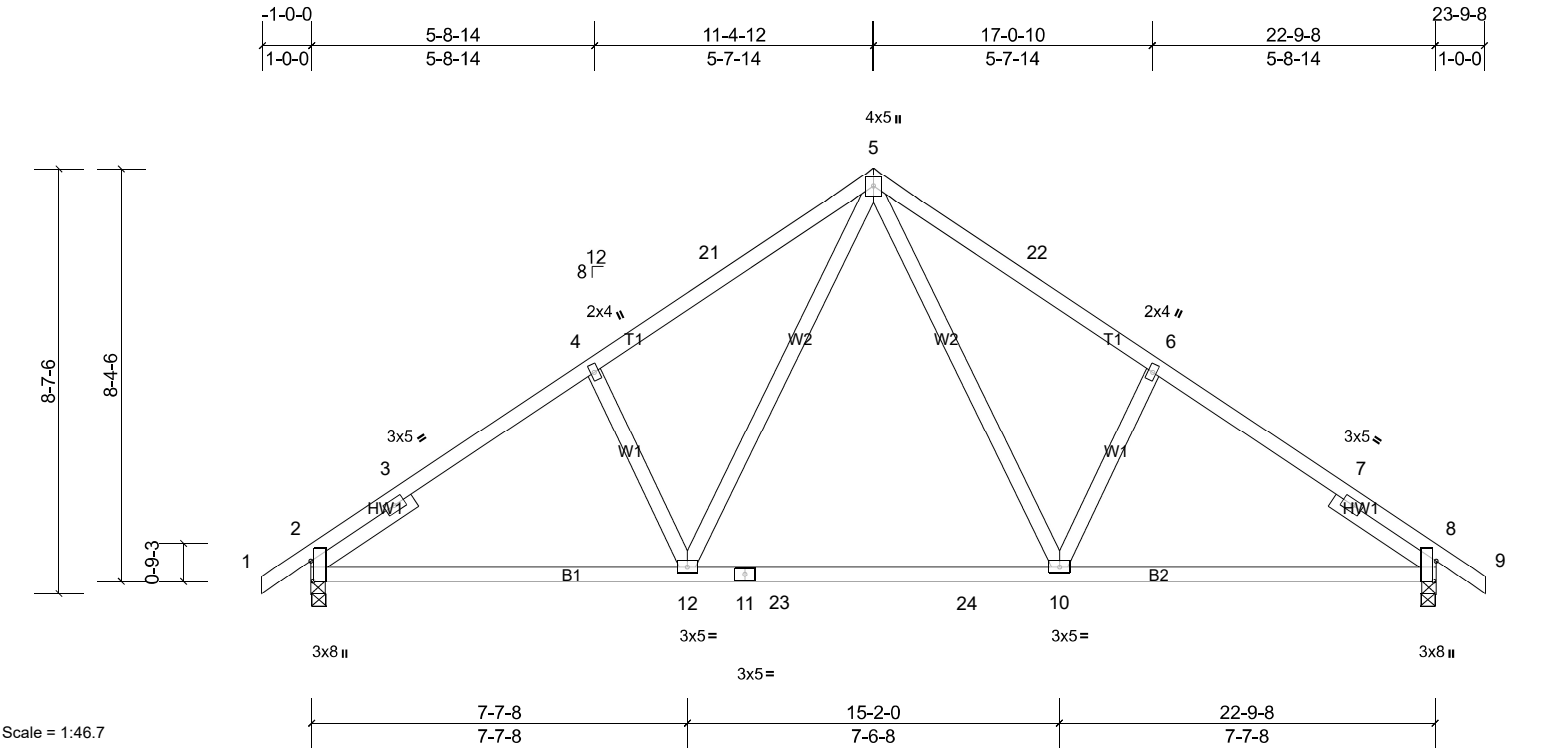
REACTIONS All bearings 9-0-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 7, 8, 9, 10, 11, 12

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

- NOTES**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 2-0-0 oc.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	T1	Common	4	1	Job Reference (optional)



Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	T1A	Common	15	1	Job Reference (optional)

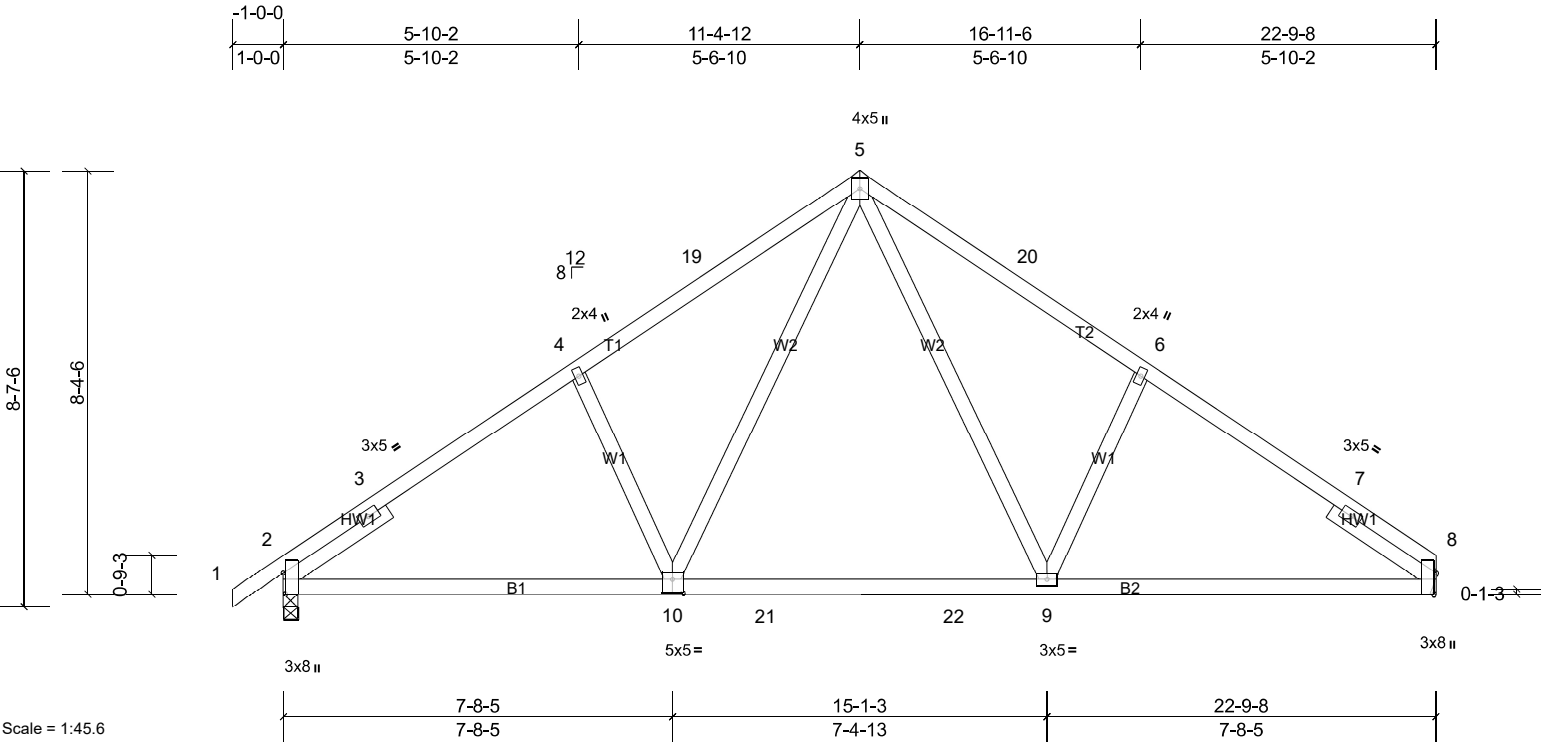


Plate Offsets (X, Y): [2:0-5-0,Edge], [8:0-5-0,Edge], [10:0-2-8,0-3-4]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.11	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.18	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 123 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 2-6-0, Right 2x4 SP No.3 -- 2-6-0

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-3-13 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=973/0-3-8, (min. 0-1-11), 8=910/ Mechanical, (min. 0-1-8)
Max Horiz 2=145 (LC 10)
Max Uplift 2=-148 (LC 11), 8=-112 (LC 11)
Max Grav 2=1073 (LC 16), 8=1017 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-556/0, 3-4=-1276/193, 4-19=-1230/241, 5-19=-1147/261, 5-20=-1151/263, 6-20=-1234/243, 6-7=-1278/195, 7-8=-603/0
BOT CHORD 2-10=-112/1128, 10-21=0/766, 21-22=0/766, 9-22=0/766, 8-9=-80/1037
WEBS 5-9=-90/604, 6-9=-290/184, 5-10=-87/598, 4-10=-286/182

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=23ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 11-4-12, Exterior(2R) 11-4-12 to 14-4-12, Interior (1) 14-4-12 to 22-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 8 and 148 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	T1BGE	Common Supported Gable	1	1	Job Reference (optional)

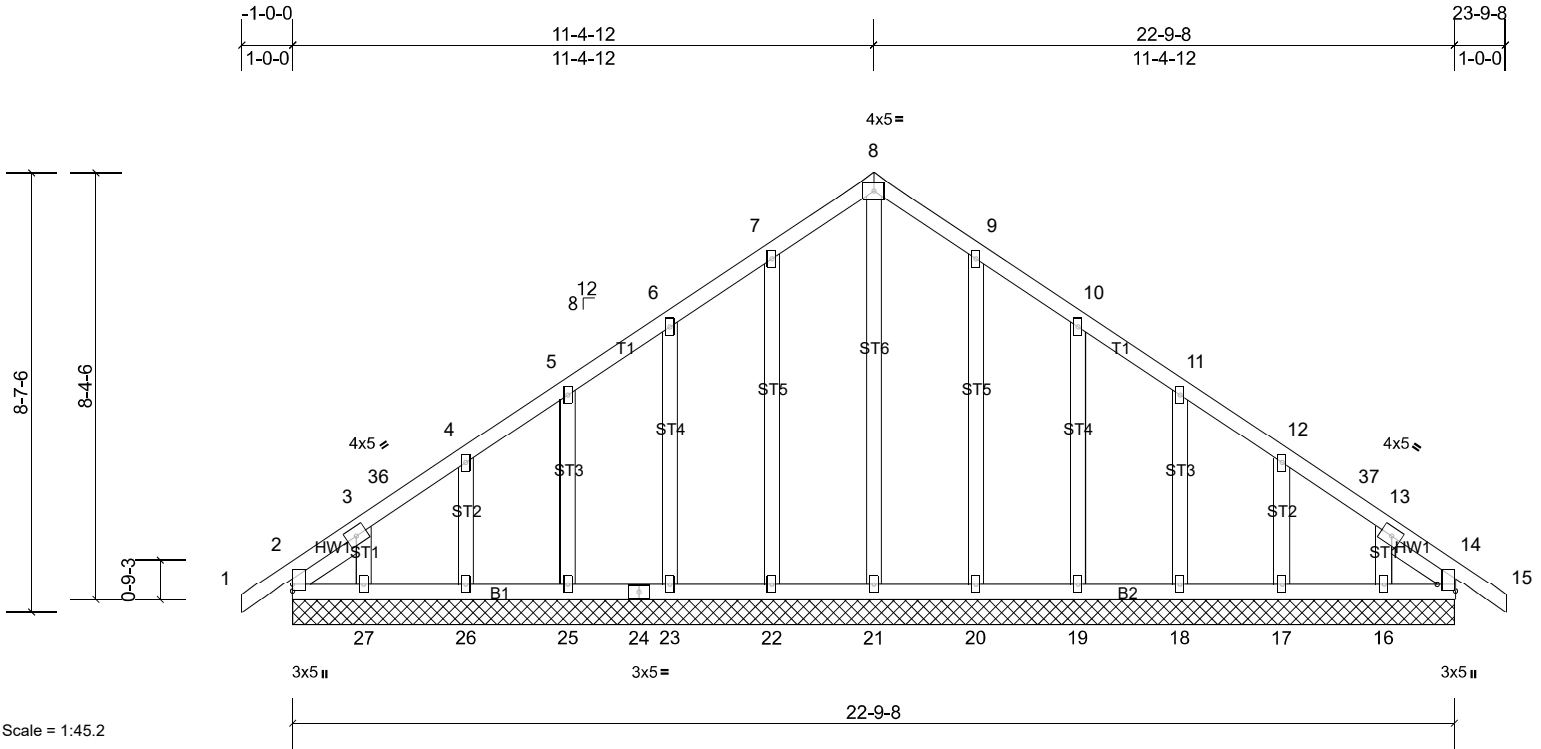


Plate Offsets (X, Y): [14:Edge,0-4-1]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	14	n/a	n/a	
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 152 lb FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 -- 1-6-14, Right 2x4 SP No.3 -- 1-6-14	

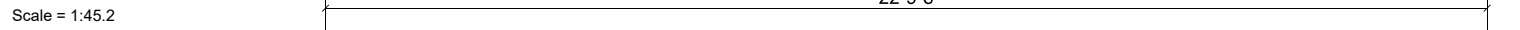
REACTIONS All bearings 22-9-8.
(lb) - Max Horiz 2=-148 (LC 9), 28=-148 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 16, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28
Max Grav All reactions 250 (lb) or less at joint(s) 2, 14, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 32

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=23ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 11-4-12, Corner(3R) 11-4-12 to 14-4-12, Exterior(2N) 14-4-12 to 23-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 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 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 22, 23, 25, 26, 27, 20, 19, 18, 17, 16, 2.

LOAD CASE(S) Standard

Peak Truss Builders LLC, New Hill, user Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Fri Jul 18 09:27:26 Page: 1
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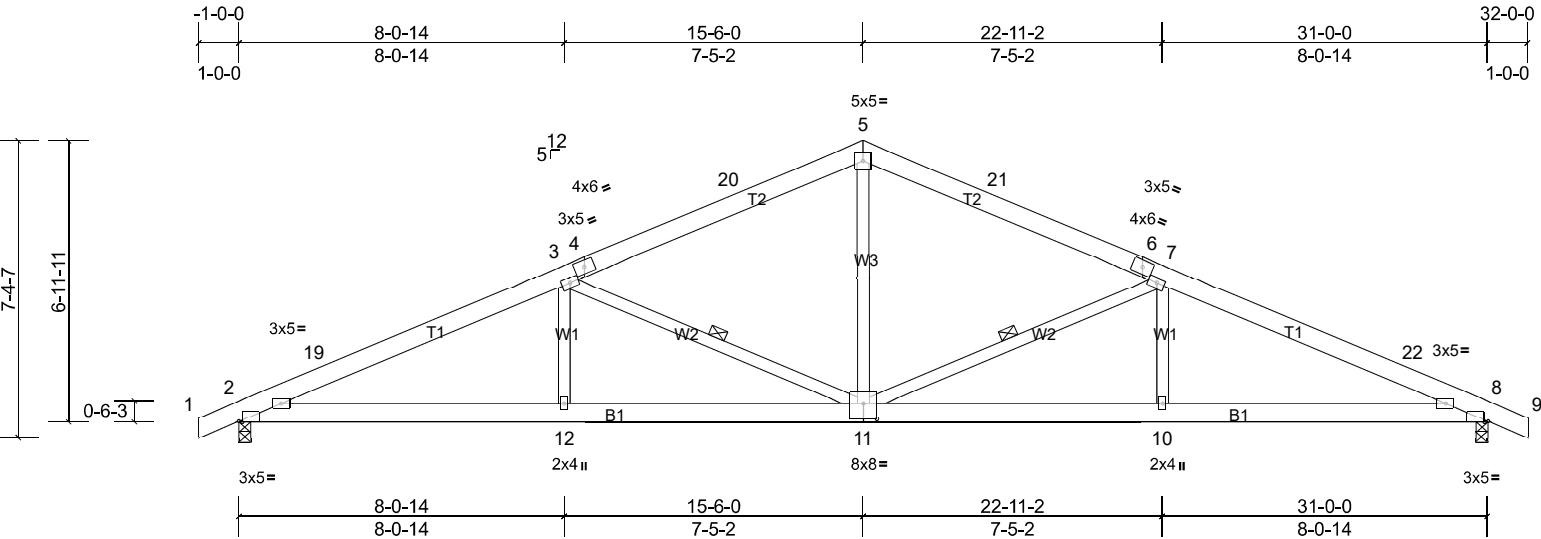
LUMBER		BRACING	
TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		
SLIDER	Left 2x4 SP No.3 -- 1-6-14		

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDD=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=23ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 11-4-12, Corner(3R) 11-4-12 to 14-4-12, 14-4-12 to 22-7-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 2, 22, 23, 25, 26, 27, 20, 19, 18, 17, 16, 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	T2	Common	8	1	Job Reference (optional)



Scale = 1:57.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.09	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.19	10-11	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 199 lb FT = 20%	

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-11, 3-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1300/0-3-8, (min. 0-2-1), 8=1300/0-3-8, (min. 0-2-1)
Max Horiz 2=-81 (LC 9)
Max Uplift 2=-188 (LC 11), 8=-188 (LC 11)

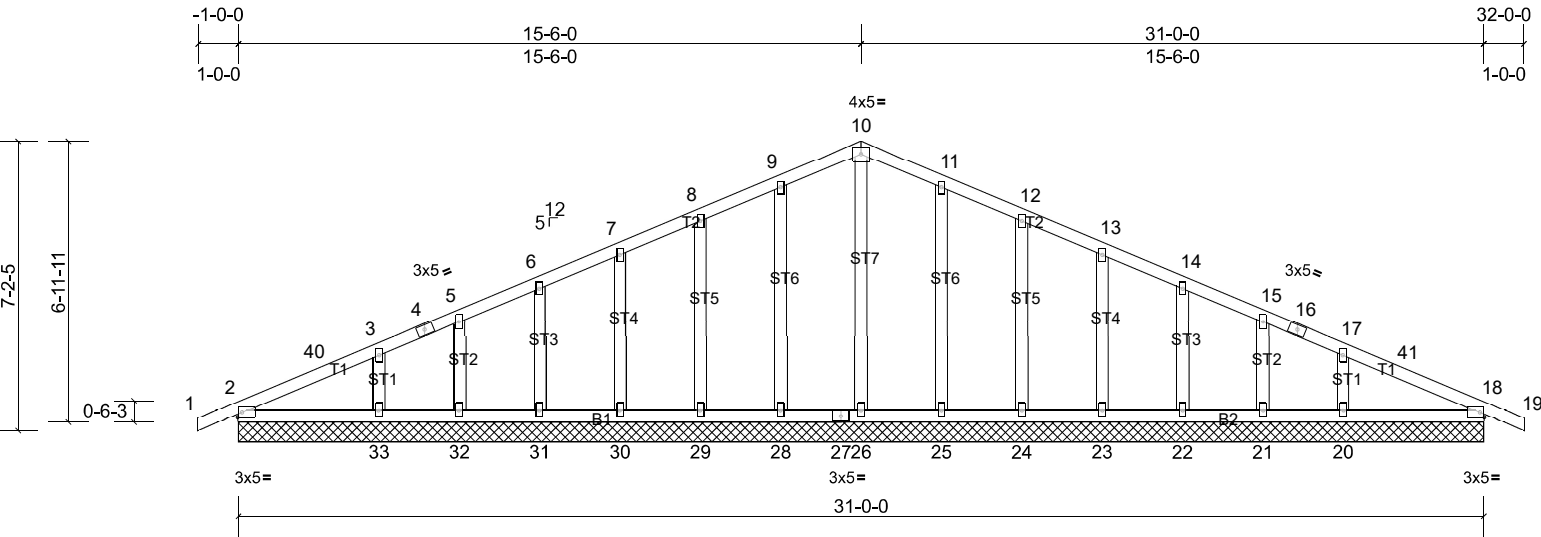
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-2517/306, 3-19=-2468/333, 3-4=-1731/245, 4-20=-1720/264, 5-20=-1631/279, 5-21=-1631/279, 6-21=-1720/264, 6-7=-1731/245, 7-22=-2468/333, 8-22=-2517/306
BOT CHORD 2-12=-213/2278, 11-12=-213/2278, 10-11=-213/2278, 8-10=-213/2278
WEBS 5-11=-56/853, 7-11=-864/177, 3-11=-864/177

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-1-3, Interior (1) 2-1-3 to 15-6-0, Exterior(2R) 15-6-0 to 18-7-3, Interior (1) 18-7-3 to 32-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 2 and 188 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	T2GE	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:57.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.30	Horz(CT)	-0.01	20	n/a	n/a	
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 172 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD
BOT CHORD
Structural wood sheathing directly applied or 10'-0-0 oc purlins.
Rigid ceiling directly applied or 6'-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 31'-0-0.
(lb) - Max Horiz 2=-81 (LC 9), 34=-81 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 20, 21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 33, 34
Max Grav All reactions 250 (lb) or less at joint(s) 2, 21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 34 except 20=417 (LC 1), 26=388 (LC 1), 33=306 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-40=-172/330, 3-40=-163/375, 3-4=-119/319, 4-5=-110/342, 5-6=-91/354, 6-7=-57/351, 7-8=-25/352, 8-9=0/354, 9-10=0/342, 10-11=0/343, 11-12=0/355, 12-13=-25/353, 13-14=-57/352, 14-15=-92/359, 15-16=-107/330, 16-17=-112/288, 17-41=-164/382, 18-41=-178/330
BOT CHORD 2-33=-305/217, 32-33=-305/217, 31-32=-305/217, 30-31=-305/217, 29-30=-305/217, 28-29=-305/217, 27-28=-305/217, 26-27=-305/217, 25-26=-305/217, 24-25=-305/217, 23-24=-305/217, 22-23=-305/217, 21-22=-305/217, 20-21=-305/217, 18-20=-305/217
WEBS 10-26=-347/11, 17-20=-257/132

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=31ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-0-0 to 2-1-3, Exterior(2N) 2-1-3 to 15-6-0, Corner(3R) 15-6-0 to 18-7-3, Exterior(2N) 18-7-3 to 32-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2'-0-0 oc.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06-00 tall by 2'-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 29, 30, 31, 32, 33, 25, 24, 23, 22, 21, 20, 2.

LOAD CASE(S) Standard

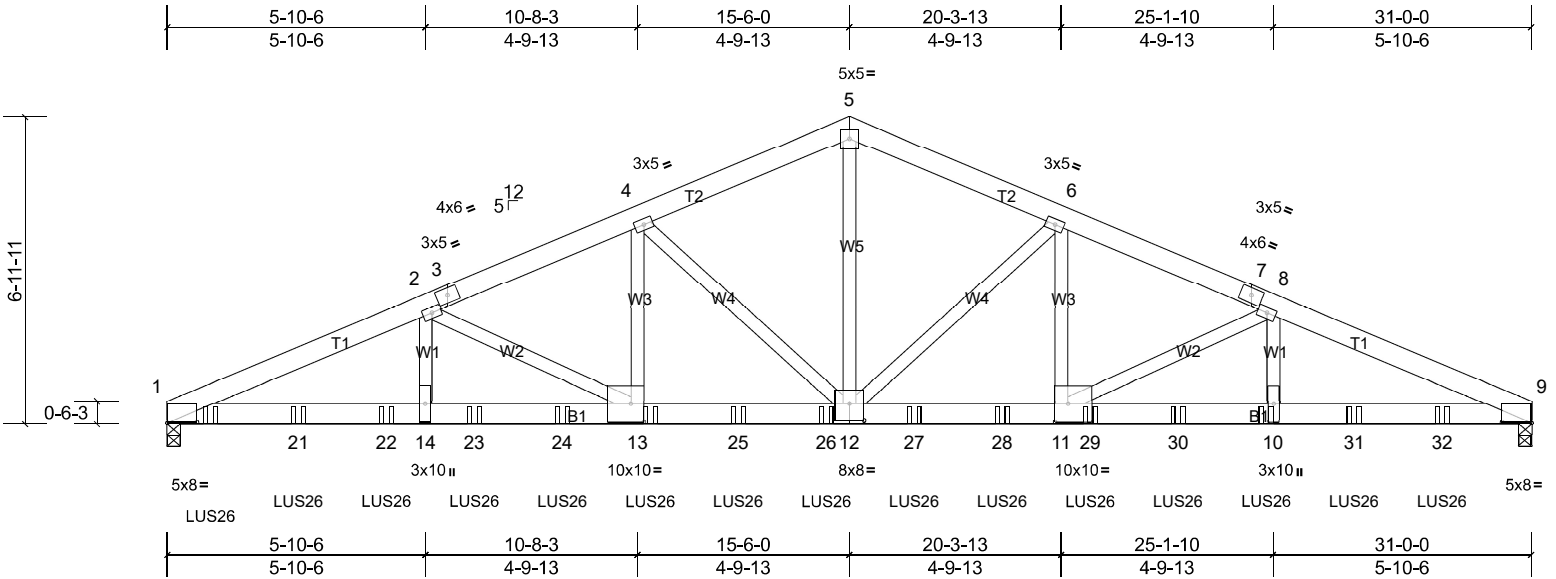
Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	T2GRD	Common Girder	1	4	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user

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Scale = 1:52.4

Plate Offsets (X, Y): [1:0-8-1,0-0-4], [9:0-8-1,0-0-4], [11:0-3-8,0-5-0], [12:0-4-0,0-4-8], [13:0-3-8,0-5-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.18	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.33	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 851 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except* W5:2x4 SP 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 (lb/size) 1=8144/0-3-8, (min. 0-3-7), 9=7691/0-3-8, (min. 0-3-4)
Max Horiz 1=76 (LC 6)
Max Uplift 1=-1111 (LC 7), 9=-1049 (LC 7)
Max Grav 1=8826 (LC 14), 9=8319 (LC 14)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-18571/2360, 2-3=-15077/1934, 3-4=-15046/1954, 4-5=-11588/1549, 5-6=-11588/1549, 6-7=-14993/1947,
7-8=-15021/1927, 8-9=-18391/2338
BOT CHORD 1-21=-2126/17157, 21-22=-2126/17157, 14-22=-2126/17157, 14-23=-2126/17157, 23-24=-2126/17157,
13-24=-2126/17157, 13-25=-1677/13888, 25-26=-1677/13888, 12-26=-1677/13888, 12-27=-1671/13838,
27-28=-1671/13838, 11-28=-1671/13838, 11-29=-2105/16972, 29-30=-2105/16972, 10-30=-2105/16972,
10-31=-2105/16972, 31-32=-2105/16972, 9-32=-2105/16972
WEBS 5-12=-1070/8525, 6-12=-4331/595, 6-11=-455/4063, 8-11=-3543/488, 8-10=-257/2617, 4-12=-4398/603, 4-13=-464/4137,
2-13=-3678/505, 2-14=-267/2697

NOTES

- 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 8-10 2x4 - 2 rows staggered at 0-6-0 oc, member 4-13 2x4 - 1 row at 0-7-0 oc.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
- 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.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1111 lb uplift at joint 1 and 1049 lb uplift at joint 9.
- Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-11-12 from the left end to 28-11-12 to connect truss(es) T1A (1 ply 2x4 SP) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S)

Standard

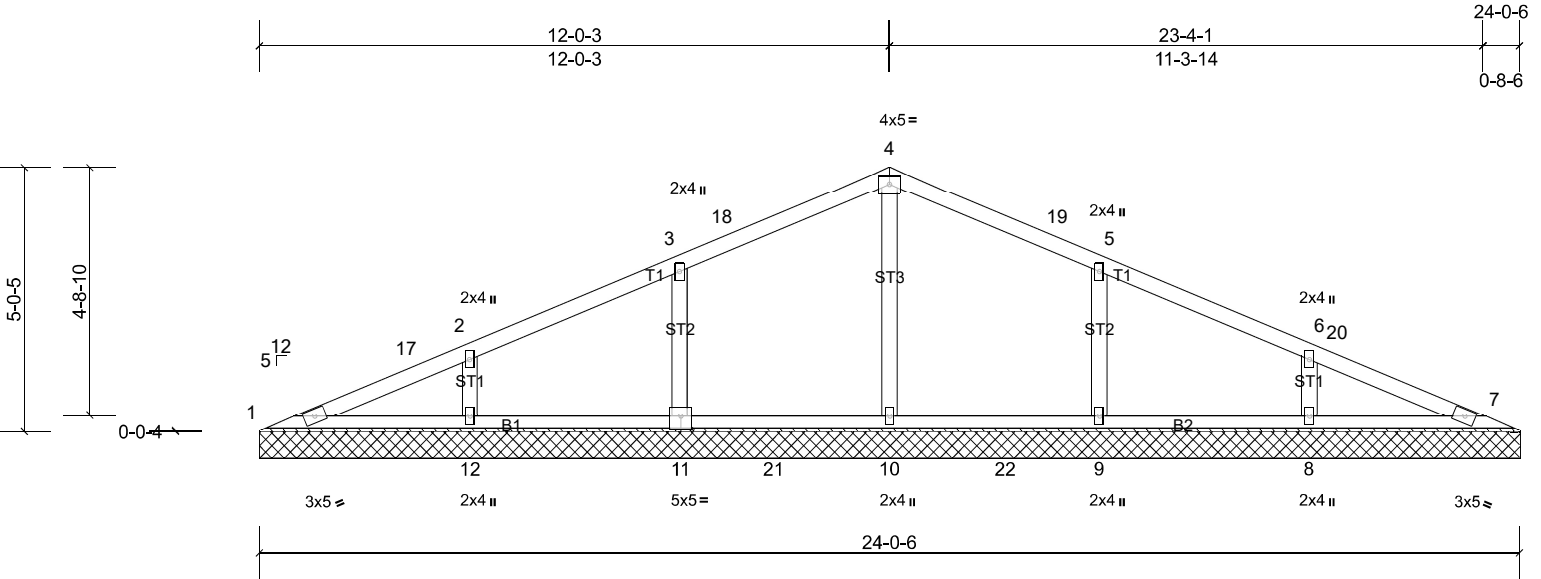
- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 15-18=-20, 1-5=-60, 5-9=-60

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	T2GRD	Common Girder	1	4	Job Reference (optional)

Concentrated Loads (lb)

Vert: 10=-890 (B), 13=-890 (B), 17=-891 (B), 21=-890 (B), 22=-890 (B), 23=-890 (B), 24=-890 (B), 25=-890 (B), 26=-890 (B), 27=-890 (B), 28=-890 (B), 29=-890 (B), 30=-890 (B), 31=-890 (B), 32=-890 (B)

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	V1	Valley	1	1	Job Reference (optional)



Scale = 1:43.9

Plate Offsets (X, Y): [11:0-2-8,0-3-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 91 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6'-0" oc purlins.
Rigid ceiling directly applied or 6'-0" oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

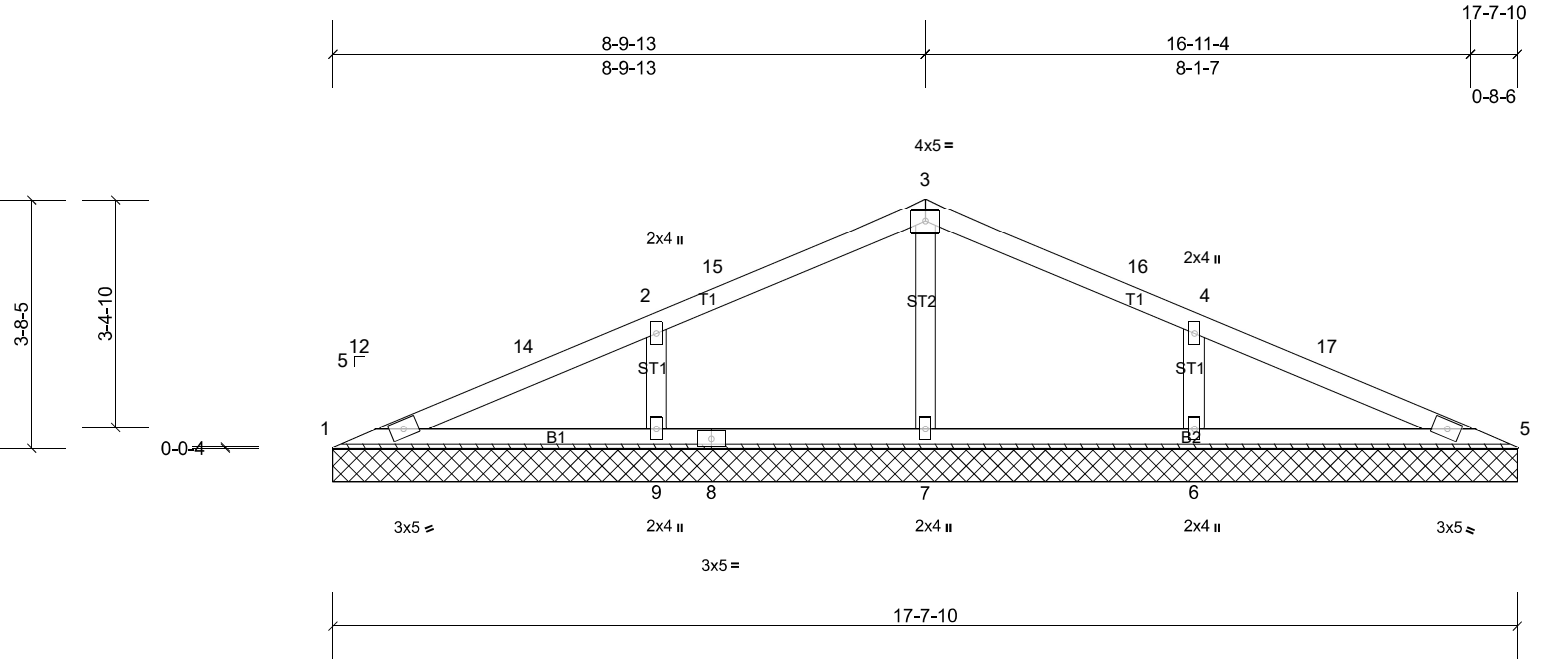
REACTIONS All bearings 24'-0".
(lb) - Max Horiz 1=56 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 8, 9, 11, 12
Max Grav All reactions 250 (lb) or less at joint(s) 1, 7 except 8=351 (LC 17), 9=371 (LC 17), 10=402 (LC 16), 11=362 (LC 16), 12=383 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-11=-258/119, 5-9=-263/120

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0'-0" to 3'-0", Interior (1) 3'-0" to 12'-0", Exterior(2R) 12'-0" to 15'-0", Interior (1) 15'-0" to 23'-4" zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0" tall by 2'-0" wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 12, 9, 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	V2	Valley	1	1	Job Reference (optional)



Scale = 1:34.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	9	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 61 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

REACTIONS

All bearings 17-7-10.
(lb) - Max Horiz 1=41 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 6, 9
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=419 (LC 23), 7=378 (LC 1), 9=419 (LC 22)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-323/58, 2-9=-293/128, 4-6=-293/128

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-10 to 3-0-10, Interior (1) 3-0-10 to 8-10-6, Exterior(2R) 8-10-6 to 11-10-6, Interior (1) 11-10-6 to 17-8-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 9, 6.

LOAD CASE(S) Standard

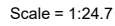
BRACING

TOP CHORD
BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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LUMBER TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 OTHERS 2x4 SP No.3	BRACING TOP CHORD BOT CHORD
REACTIONS (lb/size) 1=55/11-2-13, (min. 0-1-8), 3=55/11-2-13, (min. 0-1-8), 4=788/11-2-13, (min. 0-1-8)	Structural wood sheathing directly applied or 10-0-0 oc purlins. <u>Rigid ceiling directly applied or 6-0-0 oc bracing.</u> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

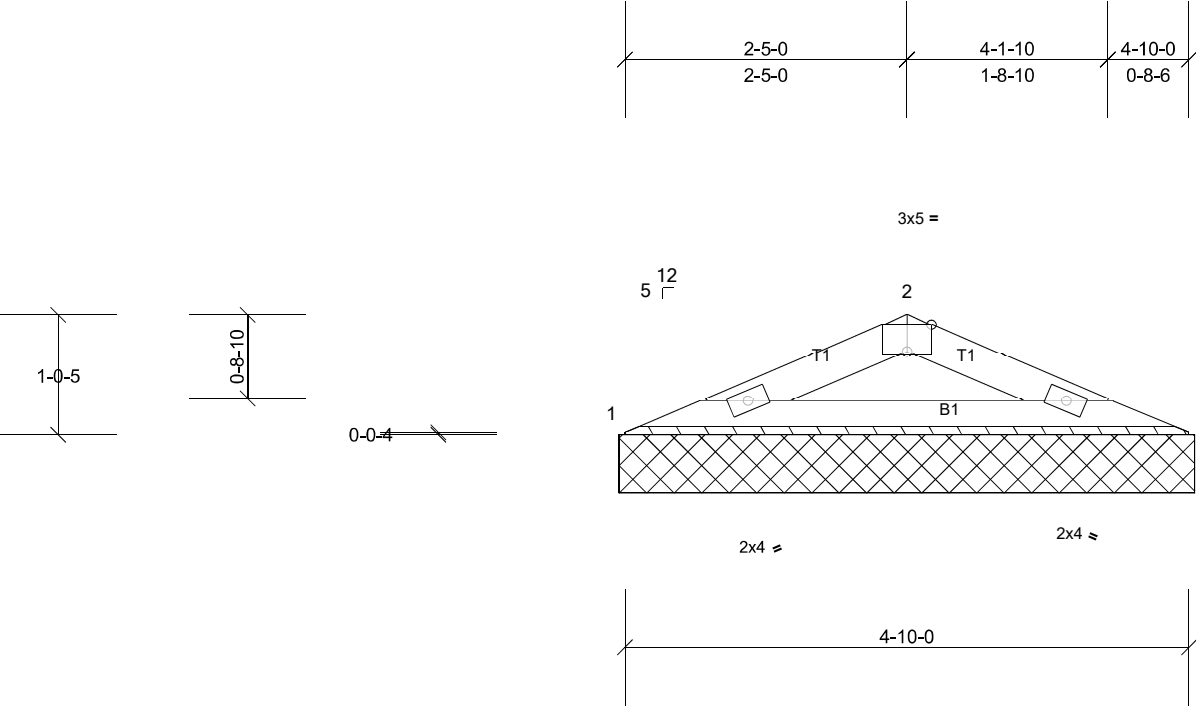
LUMBER TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 OTHERS 2x4 SP No.3	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins. <u>Rigid ceiling directly applied or 6-0-0 oc bracing.</u> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. </div>
REACTIONS (lb/size) 1=55/11-2-13, (min. 0-1-8), 3=55/11-2-13, (min. 0-1-8), 4=788/11-2-13, (min. 0-1-8) Max Horiz 1=-25 (LC 9) Max Uplift 1=-15 (LC 23), 3=-15 (LC 22), 4=-105 (LC 11) Max Grav 1=98 (LC 22), 3=98 (LC 23), 4=788 (LC 1)		
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-9=-121/378, 9-10=-114/387, 2-10=-111/447, 2-11=-106/447, 11-12=-109/387, 3-12=-116/378 BOT CHORD 1-4=-360/155, 3-4=-360/155 WEBS 2-4=-594/230		

- NOTES**

 - 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-10 to 3-0-10, Interior (1) 3-0-10 to 5-8-0, Exterior(2R) 5-8-0 to 8-8-0, Interior (1) 8-8-0 to 11-3-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 1, 15 lb uplift at joint 3 and 105 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	35 Tori-Roof
Q-2501552-1	V4	Valley	1	1	Job Reference (optional)



Scale = 1:19.7

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	3	n/a	n/a	
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 13 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1

REACTIONS (lb/size) 1=197/4-11-3, (min. 0-1-8), 3=197/4-11-3, (min. 0-1-8)
Max Horiz 1=10 (LC 10)
Max Uplift 1=-24 (LC 11), 3=-24 (LC 11)

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

TOP CHORD 1-2=-406/210, 2-3=-287/160
BOT CHORD 1-3=-191/370

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 1 and 24 lb uplift at joint 3.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 3.

LOAD CASE(S) Standard

BRACING

TOP CHORD
BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.