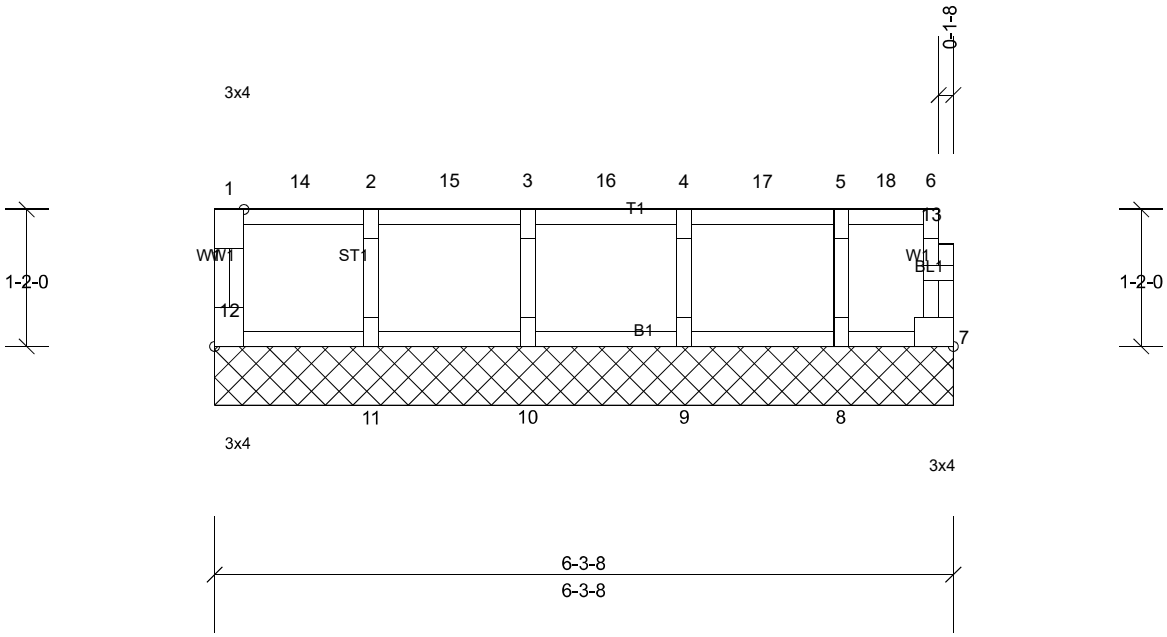
Job	Truss	Truss Type	Qty	Ply	.
2727218	2F1	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:19.6

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

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	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 29 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 6-0-0 oc bracing.

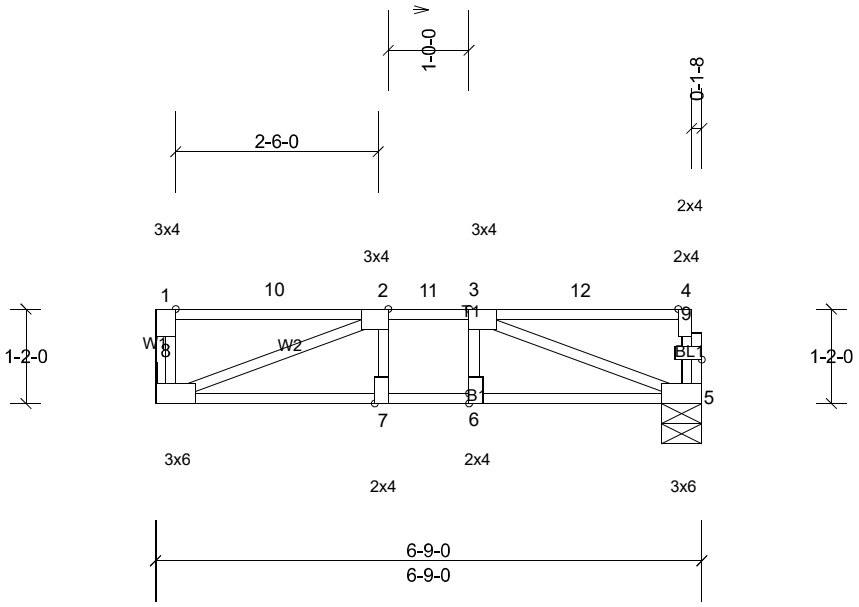
REACTIONS All bearings 6-3-8.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 7, 8, 9, 10, 11, 12
Max Grav All reactions 250 (lb) or less at joint (s) except 7=341 (LC 9), 8=377 (LC 13), 9=389 (LC 12), 10=387 (LC 11), 11=387 (LC 10), 12=366 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-360/32, 7-13=-347/62, 6-13=-347/62
WEBS 2-11=-373/20, 3-10=-373/16, 4-9=-374/17, 5-8=-366/34

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 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 12, 7, 11, 10, 9, 8.
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.
7) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
8) 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.
9) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F2	Floor	1	1	Job Reference (optional)



Scale = 1:28.5

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

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	0.81	Vert(LL)	-0.04	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.38	Vert(CT)	-0.06	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 36 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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.

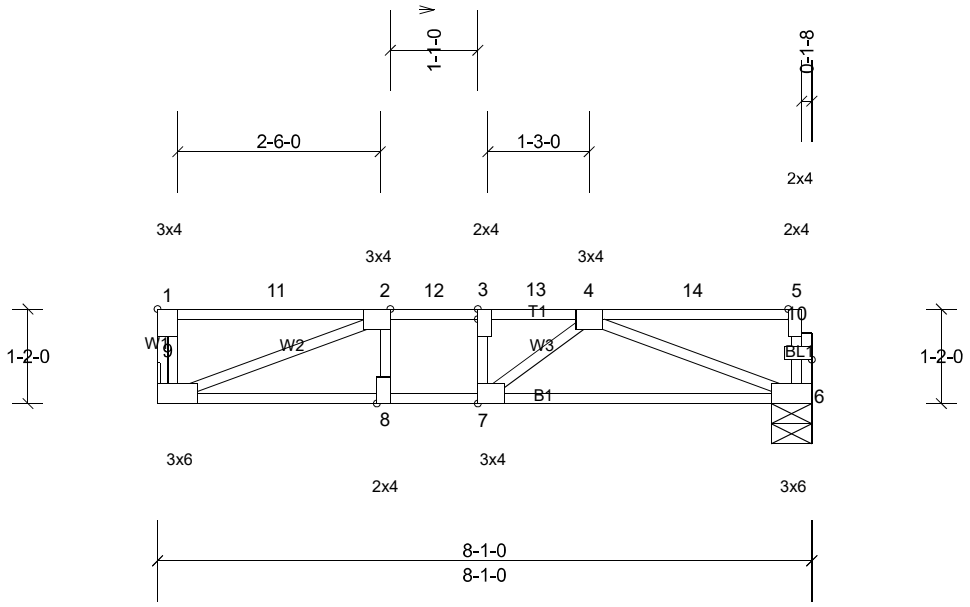
REACTIONS (lb/size) 5=234/0-6-0, (min. 0-1-8), 8=238/ Mechanical, (min. 0-1-8)
Max Grav 5=411 (LC 11), 8=415 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-365/0, 5-9=-366/1, 4-9=-365/1, 2-11=-572/0, 3-11=-572/0
BOT CHORD 7-8=0/572, 6-7=0/572, 5-6=0/572
WEBS 3-5=-613/0, 2-8=-613/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F3	Floor	1	1	Job Reference (optional)



Scale = 1:28.5

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

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	0.80	Vert(LL)	-0.06	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.38	Vert(CT)	-0.10	6-7	>912	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 42 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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.

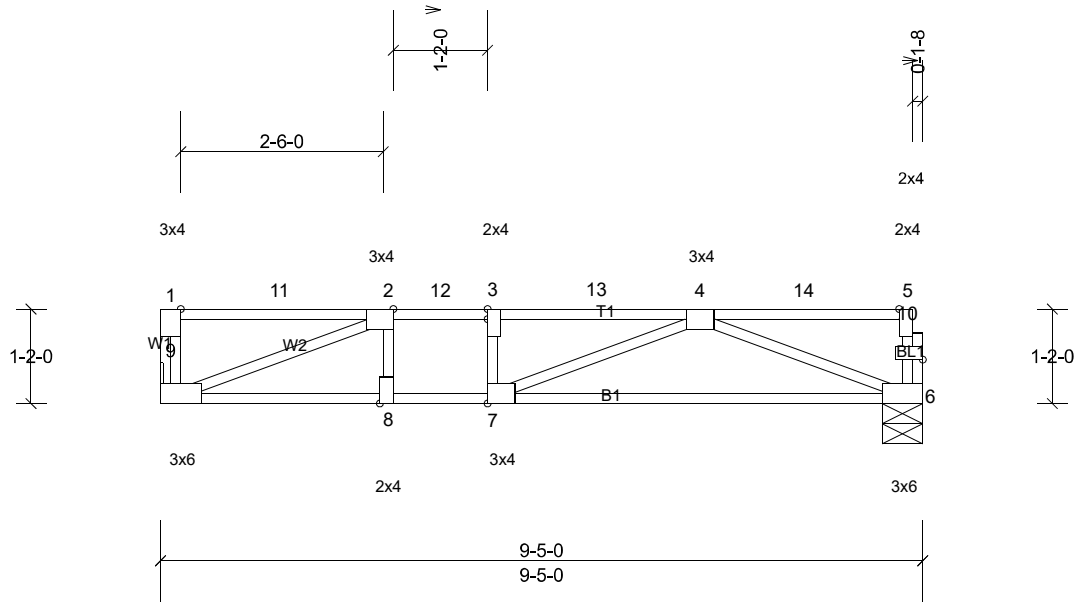
REACTIONS (lb/size) 6=283/0-6-0, (min. 0-1-8), 9=287/ Mechanical, (min. 0-1-8)
Max Grav 6=425 (LC 12), 9=428 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-364/6, 6-10=-364/0, 5-10=-364/0, 2-12=-706/0, 3-12=-706/0, 3-13=-706/0, 4-13=-706/0
BOT CHORD 8-9=0/706, 7-8=0/706, 6-7=0/707
WEBS 4-6=-759/0, 2-9=-757/0, 4-7=-275/298

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F4	Floor	1	1	Job Reference (optional)



Scale = 1:28.5

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

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	0.80	Vert(LL)	-0.12	6-7	>909	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.23	6-7	>476	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 48 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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.

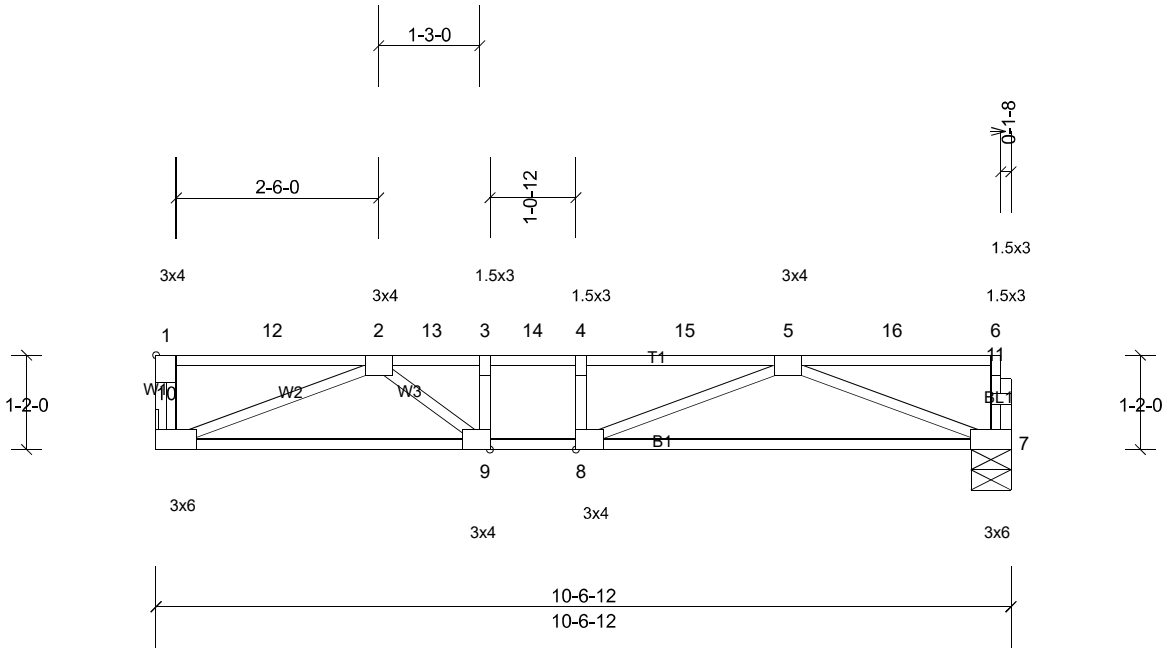
REACTIONS (lb/size) 6=332/0-6-0, (min. 0-1-8), 9=336/ Mechanical, (min. 0-1-8)
Max Grav 6=438 (LC 12), 9=442 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-360/16, 6-10=-363/20, 5-10=-362/20, 2-12=-831/0, 3-12=-831/0, 3-13=-831/0, 4-13=-831/0
BOT CHORD 8-9=0/831, 7-8=0/831, 6-7=0/784
WEBS 4-6=-843/0, 2-9=-891/0, 4-7=-286/374

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F5	Floor	5	1	Job Reference (optional)



Scale = 1:28.5

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

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	0.77	Vert(LL)	-0.09	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.19	7-8	>658	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 53 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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.

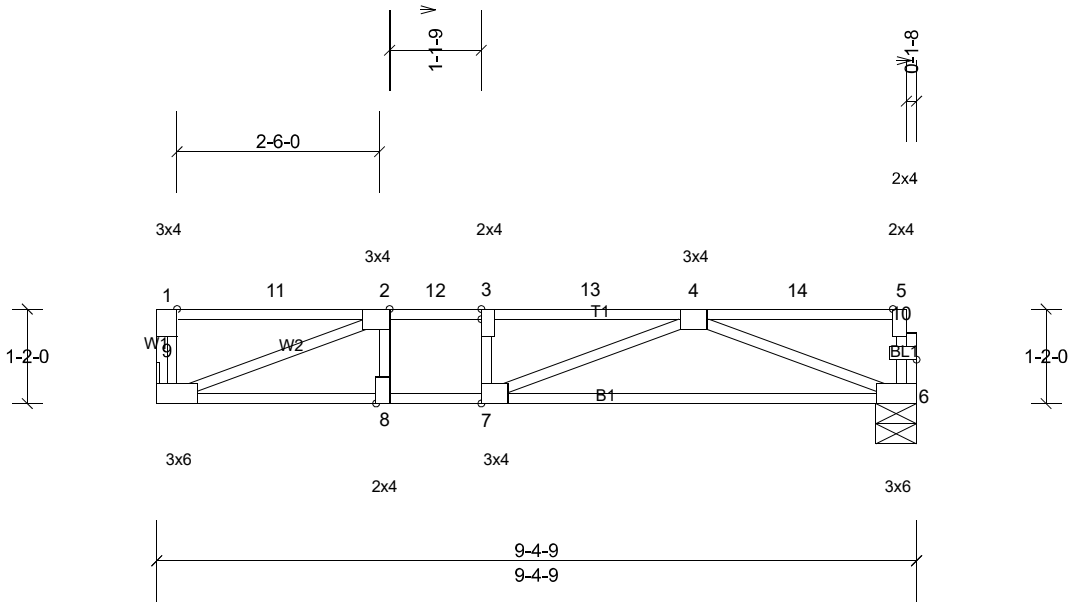
REACTIONS (lb/size) 7=374/0-5-15, (min. 0-1-8), 10=378/ Mechanical, (min. 0-1-8)
Max Grav 7=450 (LC 13), 10=453 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-365/0, 7-11=-363/17, 6-11=-363/17, 2-13=-1037/0, 3-13=-1037/0, 3-14=-1037/0, 4-14=-1037/0, 4-15=-1037/0, 5-15=-1037/0
BOT CHORD 9-10=0/842, 8-9=0/1037, 7-8=0/841
WEBS 5-7=-904/0, 2-10=-906/0, 5-8=-201/505, 2-9=-177/503, 3-9=-261/123

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F6	Floor	1	1	Job Reference (optional)



Scale = 1:28.5

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

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	0.80	Vert(LL)	-0.12	6-7	>921	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.23	6-7	>483	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 48 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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.

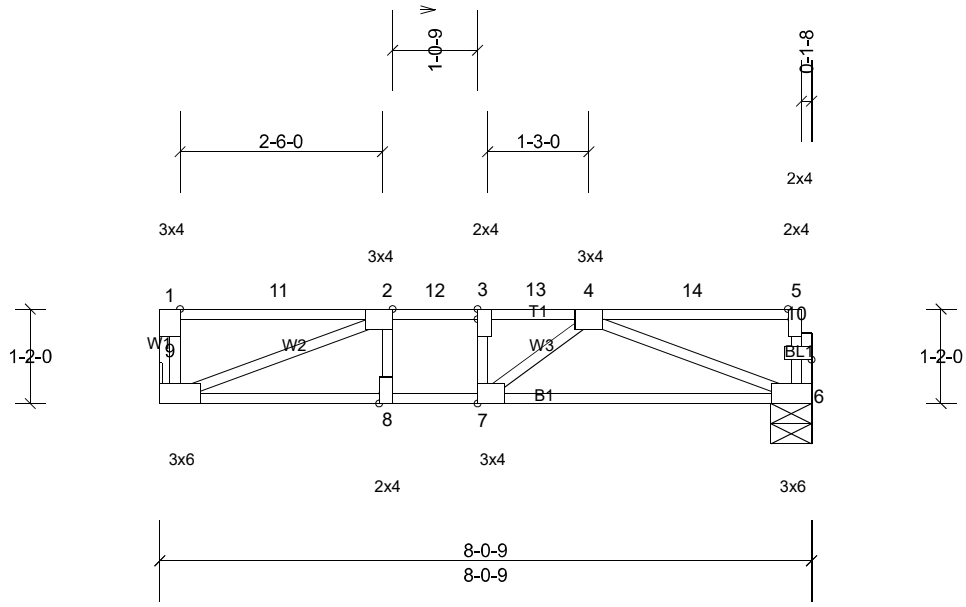
REACTIONS (lb/size) 6=331/0-6-0, (min. 0-1-8), 9=335/ Mechanical, (min. 0-1-8)
Max Grav 6=438 (LC 12), 9=441 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-360/15, 6-10=-363/19, 5-10=-362/19, 2-12=-829/0, 3-12=-829/0, 3-13=-829/0, 4-13=-829/0
BOT CHORD 8-9=0/829, 7-8=0/829, 6-7=0/782
WEBS 4-6=-841/0, 2-9=-889/0, 4-7=-286/373

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F7	Floor	1	1	Job Reference (optional)



Scale = 1:28.5

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

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	0.80	Vert(LL)	-0.06	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.38	Vert(CT)	-0.10	6-7	>927	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 42 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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.

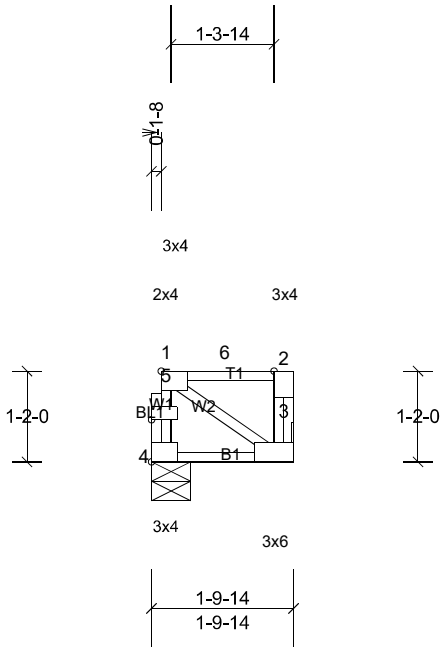
REACTIONS (lb/size) 6=282/0-6-0, (min. 0-1-8), 9=286/ Mechanical, (min. 0-1-8)
Max Grav 6=424 (LC 12), 9=428 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-364/5, 6-10=-364/0, 5-10=-364/0, 2-12=-704/0, 3-12=-704/0, 3-13=-704/0, 4-13=-704/0
BOT CHORD 8-9=0/704, 7-8=0/704, 6-7=0/705
WEBS 4-6=-757/0, 2-9=-755/0, 4-7=-275/297

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F9	Floor	1	1	Job Reference (optional)



Scale = 1:29.6

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

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	0.65	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 13 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 1-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

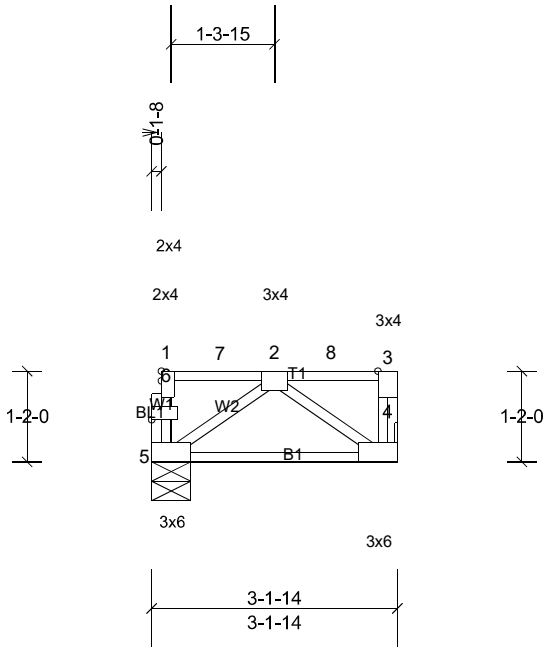
REACTIONS (lb/size) 3=58/ Mechanical, (min. 0-1-8), 4=54/0-6-0, (min. 0-1-8)
Max Grav 3=366 (LC 5), 4=351 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-346/0, 1-5=-346/0, 2-3=-360/0

NOTES
1) Refer to girder(s) for truss to truss connections.
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.
3) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F10	Floor	1	1	Job Reference (optional)



Scale = 1:29.6

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

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	0.50	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	-0.01	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 19 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 3-1-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

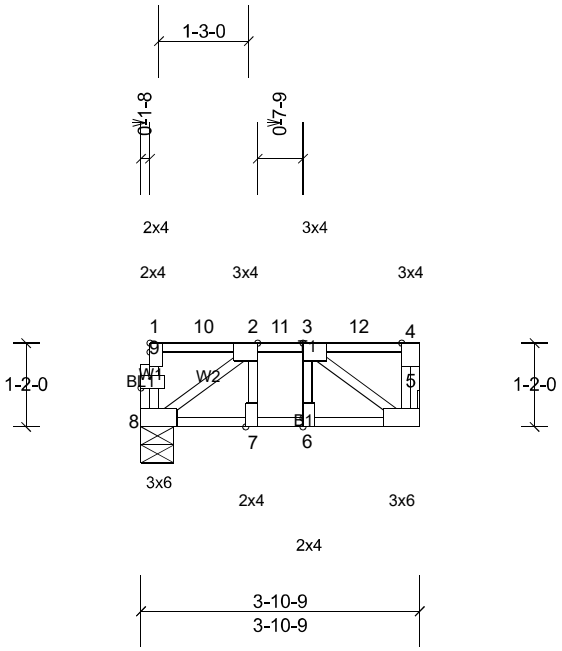
REACTIONS (lb/size) 4=107/ Mechanical, (min. 0-1-8), 5=103/0-6-0, (min. 0-1-8)
Max Grav 4=379 (LC 6), 5=371 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-357/27, 1-6=-357/27, 3-4=-357/22
BOT CHORD 4-5=0/258
WEBS 2-5=-317/0, 2-4=-318/0

NOTES
1) Refer to girder(s) for truss to truss connections.
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.
3) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F11	Floor	1	1	Job Reference (optional)



Scale = 1:32.1

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

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	0.53	Vert(LL)	-0.01	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	-0.01	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 24 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 3-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=133/ Mechanical, (min. 0-1-8), 8=129/0-5-8, (min. 0-1-8)
Max Grav 5=386 (LC 11), 8=379 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-359/10, 1-9=-359/10, 4-5=-358/9, 2-11=-285/0, 3-11=-285/0
BOT CHORD 7-8=0/285, 6-7=0/285, 5-6=0/285
WEBS 3-5=-352/0, 2-8=-352/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F12	Floor Supported Gable	1	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:38 Page: 1
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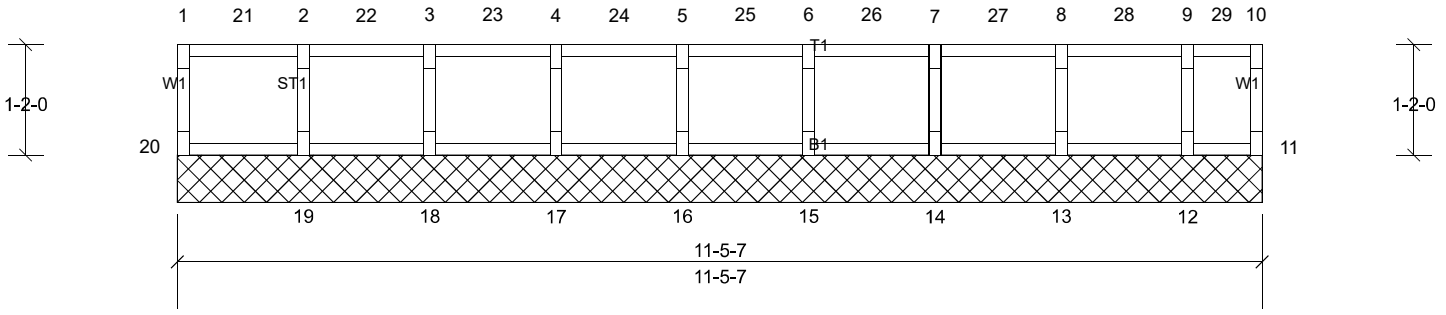


Scale = 1:24.3

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	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 48 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 6-0-0 oc bracing.

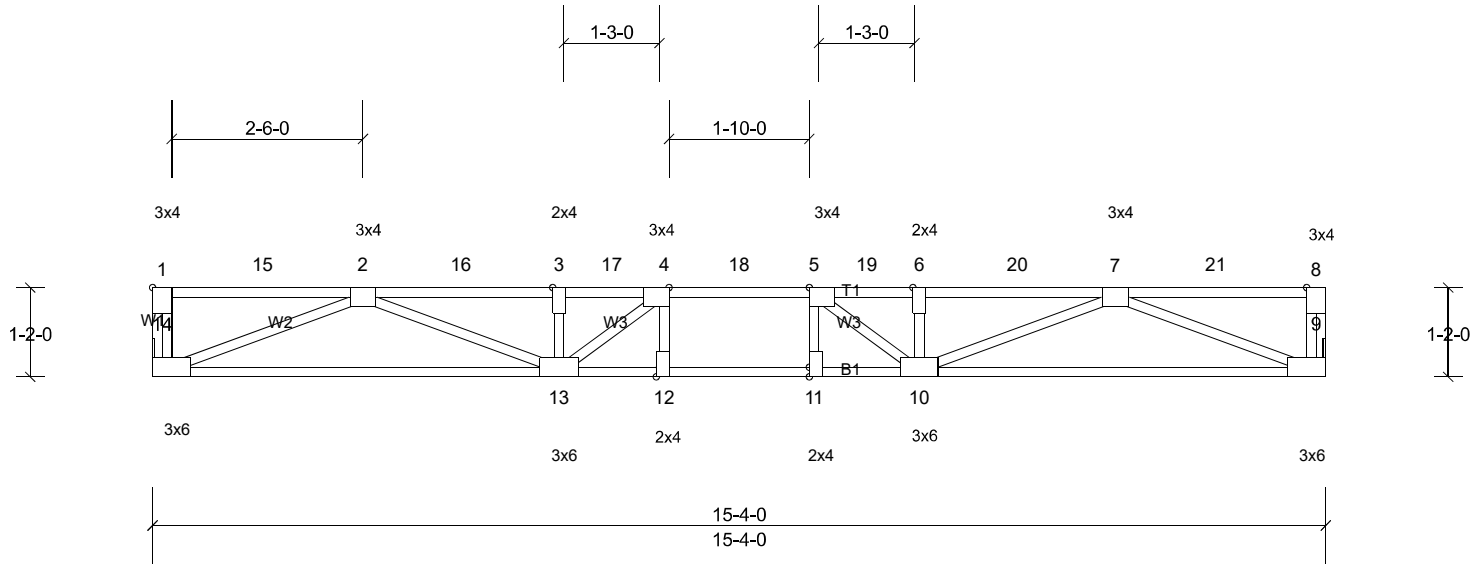
REACTIONS All bearings 11-5-7.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
Max Grav All reactions 250 (lb) or less at joint (s) except 11=353 (LC 13), 12=365 (LC 21), 13=375 (LC 20), 14=374 (LC 19), 15=374 (LC 18), 16=374 (LC 17), 17=374 (LC 16), 18=374 (LC 15), 19=376 (LC 14), 20=361 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-356/27, 10-11=-351/67
WEBS 2-19=-366/25, 3-18=-365/26, 4-17=-365/26, 5-16=-365/26, 6-15=-365/26, 7-14=-365/26, 8-13=-365/26, 9-12=-358/40

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 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12.
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.
7) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
8) 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	.
2727218	2F13	Floor	6	1	Job Reference (optional)



Scale = 1:30.1

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

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	1.00	Vert(LL)	-0.13	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.20	12-13	>892	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 77 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)

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

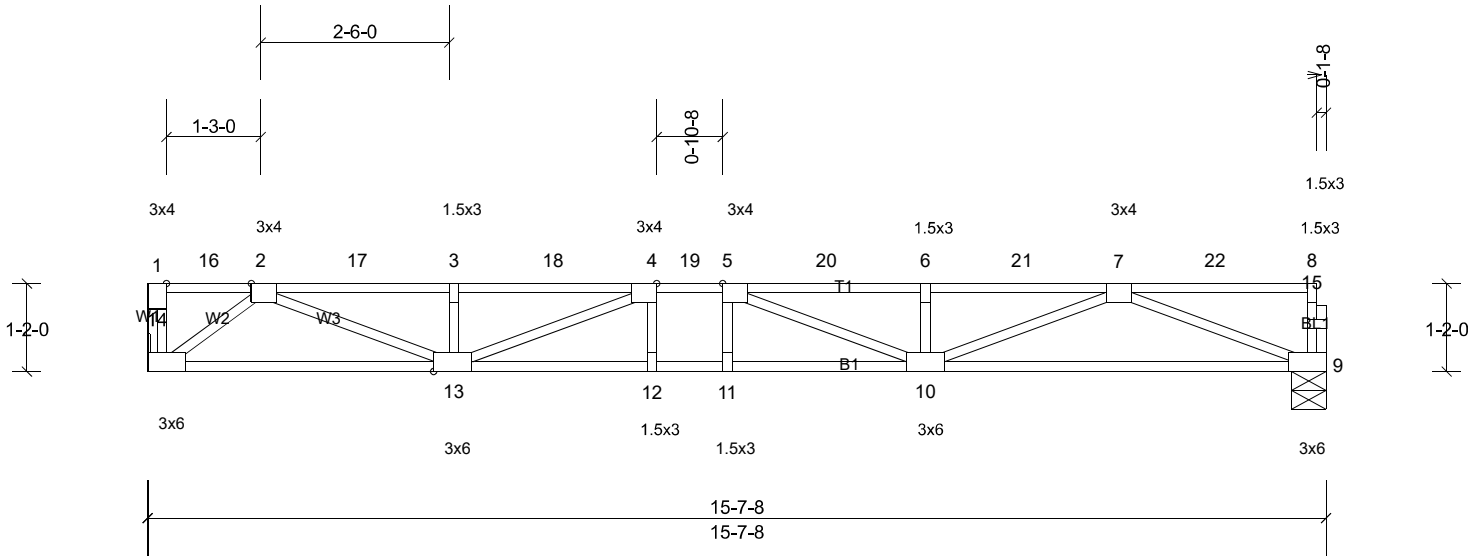
REACTIONS (lb/size) 9=553/ Mechanical, (min. 0-1-8), 14=553/ Mechanical, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-364/7, 8-9=-364/7, 2-16=-1832/0, 3-16=-1832/0, 3-17=-1832/0, 4-17=-1832/0, 4-18=-1973/0, 5-18=-1973/0, 5-19=-1832/0, 6-19=-1832/0, 6-20=-1832/0, 7-20=-1832/0
BOT CHORD 13-14=0/1180, 12-13=0/1973, 11-12=0/1973, 10-11=0/1973, 9-10=0/1180
WEBS 7-9=-1269/0, 2-14=-1269/0, 7-10=0/836, 2-13=0/836, 6-10=-424/48, 3-13=-424/48, 5-10=-487/352, 4-13=-487/352

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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	.
2727218	2F14	Floor	14	1	Job Reference (optional)



Scale = 1:30.5

Plate Offsets (X, Y): [2:0-1-8,Edge], [4:0-1-8,Edge], [5:0-1-8,Edge], [13:0-2-8,Edge]

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	0.95	Vert(LL)	-0.14	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.20	10-11	>913	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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 5-8-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

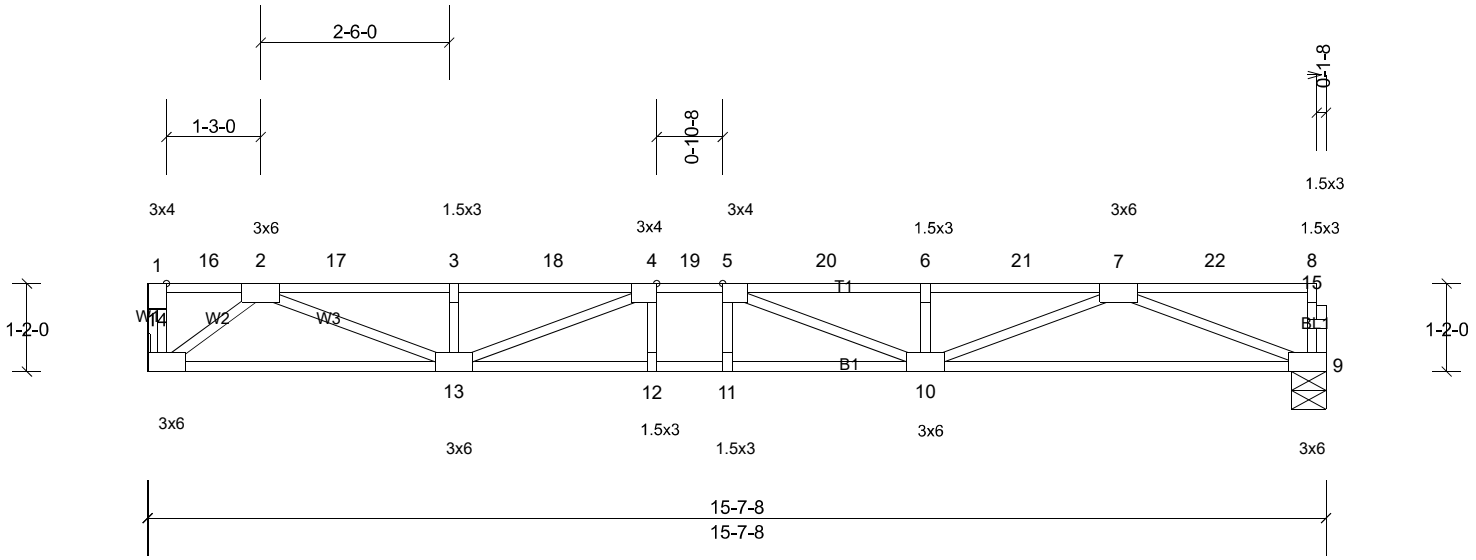
REACTIONS (lb/size) 9=560/0-5-8, (min. 0-1-8), 14=564/ Mechanical, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-355/57, 9-15=-365/10, 8-15=-364/10, 2-17=-1621/0, 3-17=-1621/0, 3-18=-1621/0, 4-18=-1621/0, 4-19=-2069/0, 5-19=-2069/0, 5-20=-1907/0, 6-20=-1907/0, 6-21=-1907/0, 7-21=-1907/0
BOT CHORD 13-14=0/695, 12-13=0/2069, 11-12=0/2069, 10-11=0/2069, 9-10=0/1200
WEBS 7-9=-1287/0, 2-14=-872/0, 7-10=0/876, 2-13=0/1011, 6-10=-402/12, 3-13=-394/0, 5-10=-526/350, 4-13=-712/167

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F14A	Floor	3	1	Job Reference (optional)



Scale = 1:30.5

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

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	0.95	Vert(LL)	-0.16	11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.22	11-12	>831	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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 5-6-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

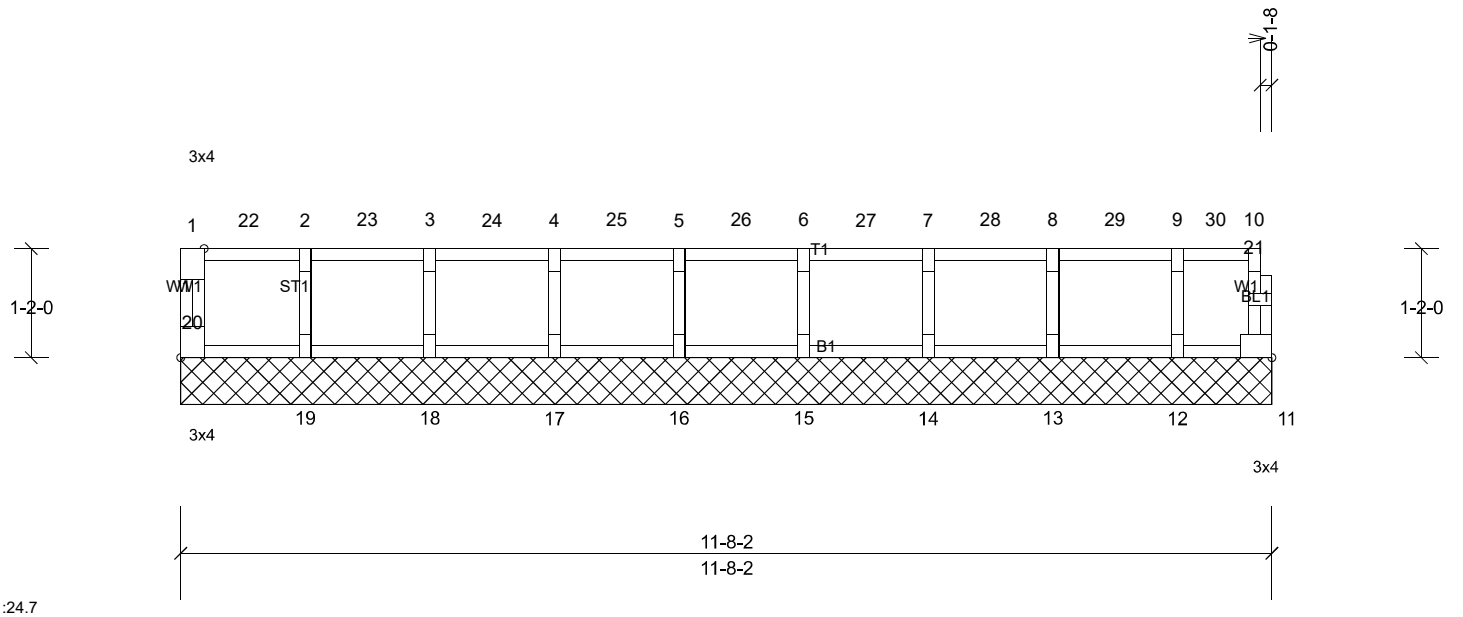
REACTIONS (lb/size) 9=615/0-5-8, (min. 0-1-8), 14=1226/ Mechanical, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-396/20, 9-15=-365/10, 8-15=-364/10, 2-17=-2246/0, 3-17=-2246/0, 3-18=-2246/0, 4-18=-2246/0, 4-19=-2507/0, 5-19=-2507/0, 5-20=-2176/0, 6-20=-2176/0, 6-21=-2176/0, 7-21=-2176/0
BOT CHORD 13-14=0/1369, 12-13=0/2507, 11-12=0/2507, 10-11=0/2507, 9-10=0/1339
WEBS 7-9=-1436/0, 2-14=-1717/0, 7-10=0/914, 2-13=0/996, 6-10=-400/14, 3-13=-408/0, 5-10=-576/301, 4-13=-657/222

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 9-14=-7, 1-17=-369 (F=-302), 8-17=-67

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F15	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:24.7

Plate Offsets (X, Y): [20:Edge,0-1-8]

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	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 51 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 6-0-0 oc bracing.

REACTIONS All bearings 11-8-2.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
Max Grav All reactions 250 (lb) or less at joint (s) except 11=339 (LC 13), 12=368 (LC 21), 13=375 (LC 20), 14=374 (LC 19), 15=374 (LC 18), 16=374 (LC 17), 17=374 (LC 16), 18=374 (LC 15), 19=374 (LC 14), 20=361 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-357/35, 11-21=-346/58, 10-21=-346/58
WEBS 2-19=-364/28, 3-18=-365/26, 4-17=-365/26, 5-16=-365/26, 6-15=-365/26, 7-14=-365/26, 8-13=-365/26, 9-12=-359/37

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 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12.
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.
7) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
8) 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.
9) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F16	Floor Supported Gable	1	1	Job Reference (optional)

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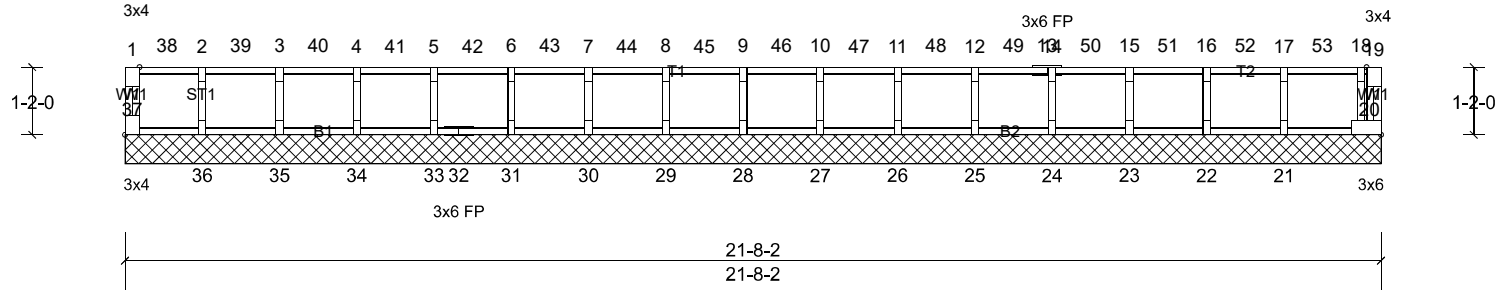

Scale = 1:39.8

Plate Offsets (X, Y): [37:Edge,0-1-8]

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	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	20	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 92 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 6-0-0 oc bracing.

REACTIONS All bearings 21-8-2.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37
Max Grav All reactions 250 (lb) or less at joint (s) except 20=341 (LC 20), 21=377 (LC 36), 22=373 (LC 35), 23=374 (LC 34), 24=371 (LC 33), 25=374 (LC 32), 26=374 (LC 31), 27=374 (LC 30), 28=374 (LC 29), 29=374 (LC 28), 30=374 (LC 27), 31=374 (LC 26), 33=374 (LC 25), 34=374 (LC 24), 35=375 (LC 23), 36=372 (LC 22), 37=362 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-37=-357/33
WEBS 2-36=-363/29, 3-35=-365/26, 4-34=-365/26, 5-33=-365/26, 6-31=-365/26, 7-30=-365/26, 8-29=-365/26, 9-28=-365/26, 10-27=-365/26, 11-26=-365/26, 12-25=-365/26, 14-24=-362/26, 15-23=-365/26, 16-22=-364/29, 17-21=-366/24, 18-20=-317/61

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 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 37, 20, 36, 35, 34, 33, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21.
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.
7) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
8) 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	.
2727218	2F17	Floor	24	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:39 Page: 1
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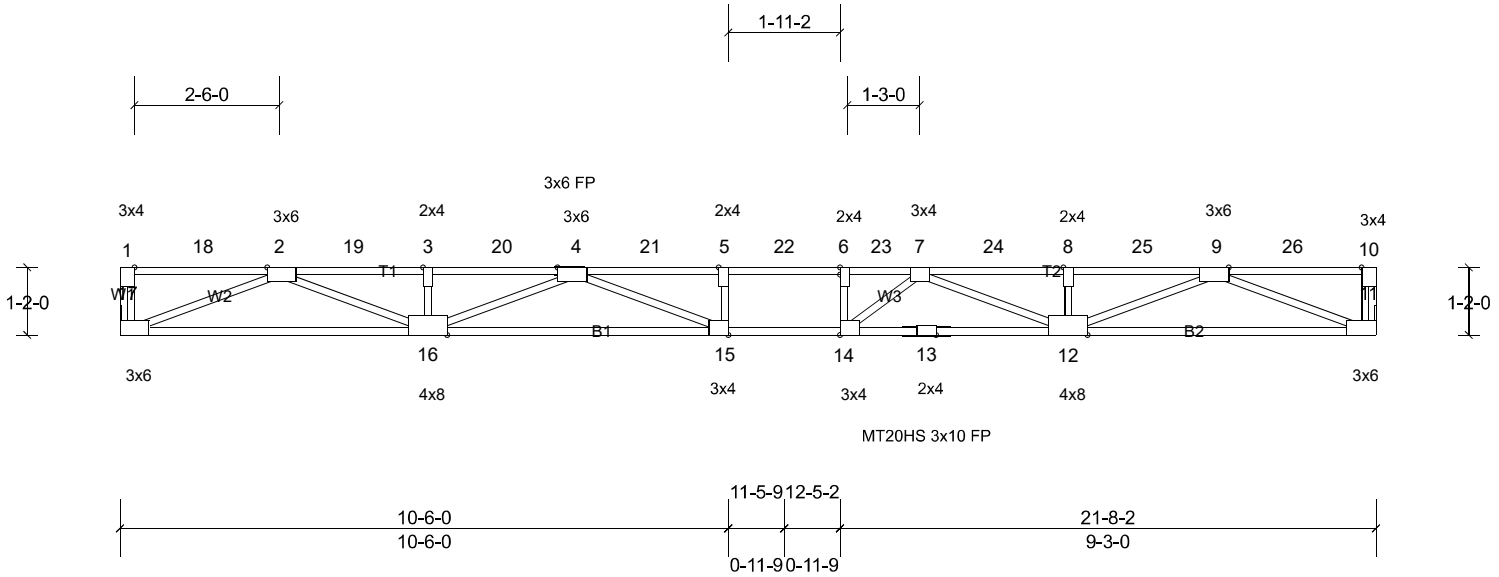


Scale = 1:39.8

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

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	0.78	Vert(LL)	-0.44	15-16	>580	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.62	15-16	>416	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.09	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 105 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat) *Except* T2:2x4 SP DSS (flat)
BOT CHORD 2x4 SP No.1(flat) *Except* B2:2x4 SP No.2 (flat)
WEBS 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, Except:
2-2-0 oc bracing: 12-14.

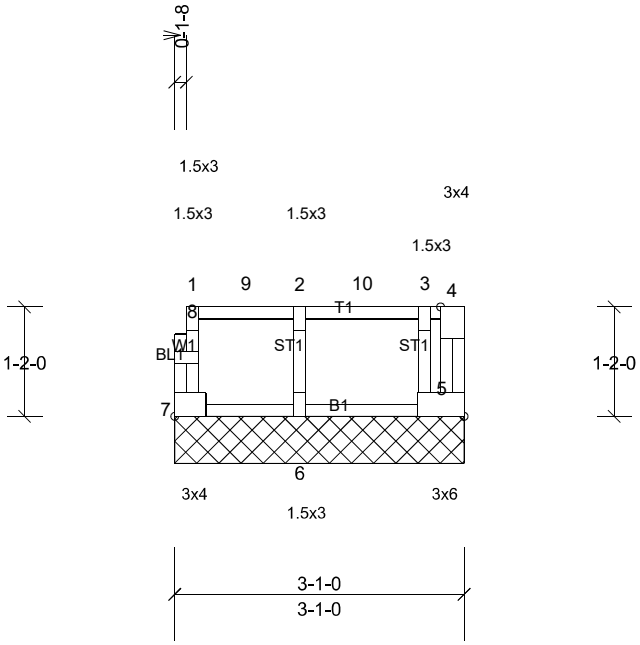
REACTIONS (lb/size) 11=786/ Mechanical, (min. 0-1-8), 17=786/ Mechanical, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-364/9, 10-11=-365/8, 2-19=-3001/0, 3-19=-3001/0, 3-20=-3001/0, 4-20=-3001/0, 4-21=-4001/0, 5-21=-4001/0, 5-22=-4001/0, 6-22=-4001/0, 6-23=-4001/0, 7-23=-4001/0, 7-24=-3001/0, 8-24=-3001/0, 8-25=-3001/0, 9-25=-3001/0
BOT CHORD 16-17=0/1763, 15-16=0/3742, 14-15=0/4001, 13-14=0/3732, 12-13=0/3732, 11-12=0/1755
WEBS 6-14=-301/179, 2-17=-1897/0, 2-16=0/1335, 3-16=-368/28, 4-16=-813/64, 4-15=-384/624, 9-11=-1888/0, 9-12=0/1345, 8-12=-375/22, 7-12=-789/73, 7-14=-322/611

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) The Fabrication Tolerance at joint 13 = 11%
4) Refer to girder(s) for truss to truss connections.
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.
6) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
7) Required 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	.
2727218	2F18	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:24.6

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	0.40	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 17 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 3-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

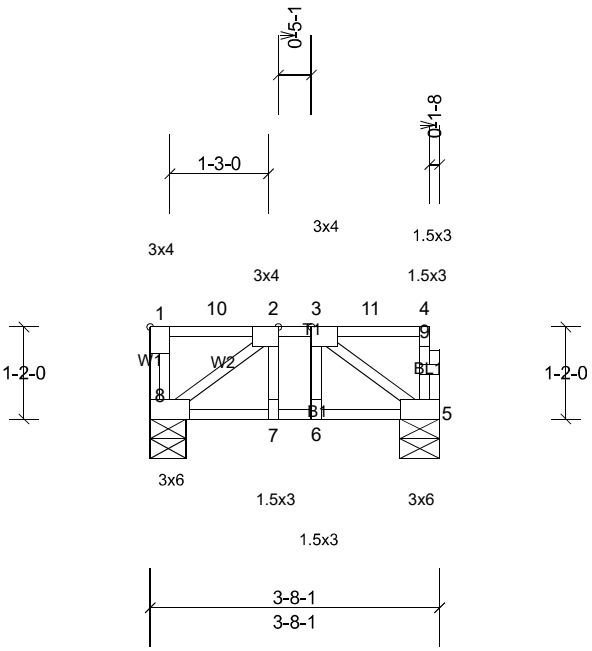
REACTIONS (lb/size) 5=96/3-1-0, (min. 0-1-8), 6=148/3-1-0, (min. 0-1-8), 7=61/3-1-0, (min. 0-1-8)
Max Grav 5=351 (LC 6), 6=386 (LC 10), 7=357 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-357/9, 1-8=-357/12
WEBS 2-6=-372/0, 3-5=-294/0

NOTES
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
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.
5) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F19	Floor	1	1	Job Reference (optional)



Scale = 1:29.2

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

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	0.52	Vert(LL)	-0.01	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.01	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 23 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 3-8-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=121/0-6-0, (min. 0-1-8), 8=125/0-5-8, (min. 0-1-8)
Max Grav 5=377 (LC 11), 8=384 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-358/5, 5-9=-359/7, 4-9=-358/7, 2-3=-268/0
BOT CHORD 7-8=0/268, 6-7=0/268, 5-6=0/268
WEBS 3-5=-332/0, 2-8=-331/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
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.
3) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F20	Floor	1	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:40 Page: 1
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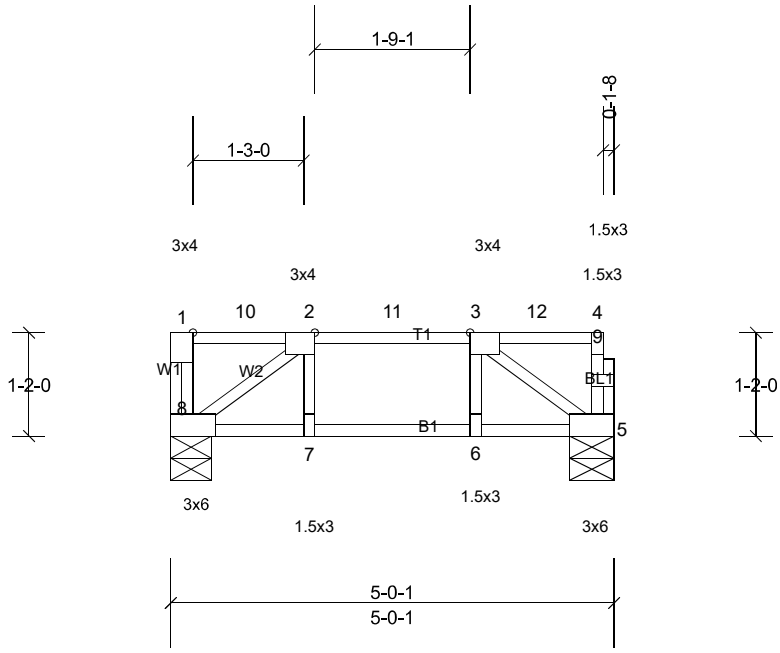

Scale = 1:26

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

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	0.59	Vert(LL)	-0.02	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.32	Vert(CT)	-0.03	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 27 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 5-0-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=170/0-6-0, (min. 0-1-8), 8=174/0-5-8, (min. 0-1-8)
Max Grav 5=392 (LC 11), 8=398 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-357/30, 5-9=-359/32, 4-9=-358/32, 2-11=-342/0, 3-11=-342/0
BOT CHORD 7-8=0/342, 6-7=0/342, 5-6=0/342
WEBS 3-5=-424/0, 2-8=-422/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
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.
3) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F21	Floor	1	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:40 Page: 1
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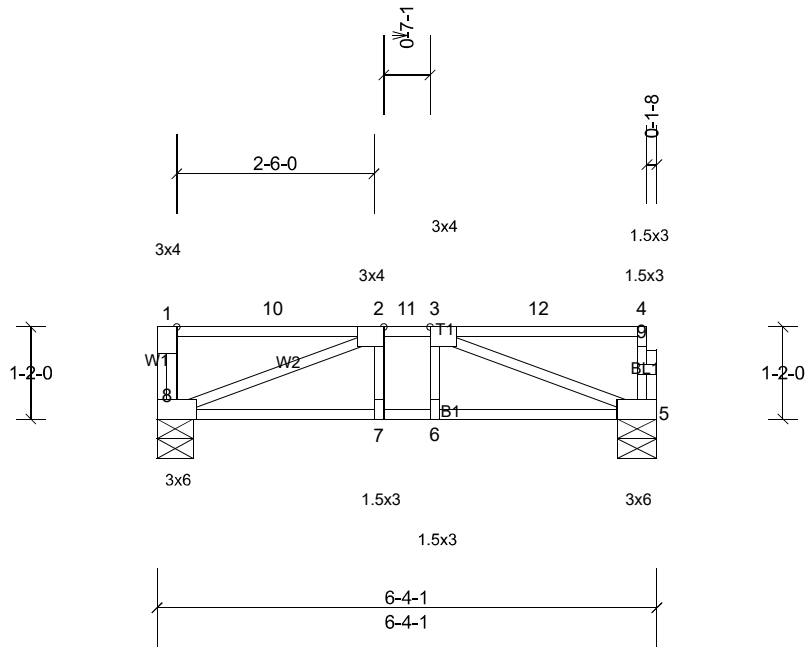

Scale = 1:29.2

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

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	0.78	Vert(LL)	-0.03	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.05	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 35 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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) 5=219/0-6-0, (min. 0-1-8), 8=223/0-5-8, (min. 0-1-8)
Max Grav 5=406 (LC 11), 8=411 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-365/0, 5-9=-365/1, 4-9=-365/1, 2-11=-552/0, 3-11=-552/0
BOT CHORD 7-8=0/552, 6-7=0/552, 5-6=0/552
WEBS 3-5=-591/0, 2-8=-592/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
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.
3) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F22	Floor	1	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:40 Page: 1
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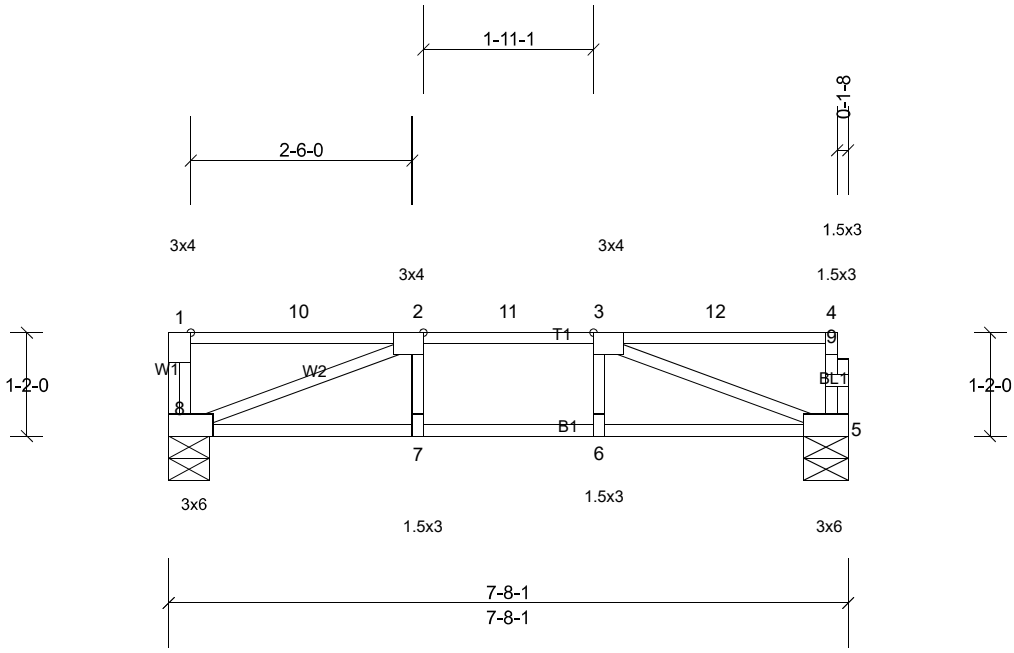

Scale = 1:26

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

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	0.49	Vert(LL)	-0.06	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.42	Vert(CT)	-0.09	7-8	>957	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 38 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP DSS(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) 5=268/0-6-0, (min. 0-1-8), 8=272/0-5-8, (min. 0-1-8)
Max Grav 5=420 (LC 11), 8=424 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-365/11, 5-9=-366/13, 4-9=-366/13, 2-11=-624/0, 3-11=-624/0
BOT CHORD 7-8=0/624, 6-7=0/624, 5-6=0/624
WEBS 3-5=-669/0, 2-8=-669/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
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.
3) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F23	Floor	1	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:40 Page: 1
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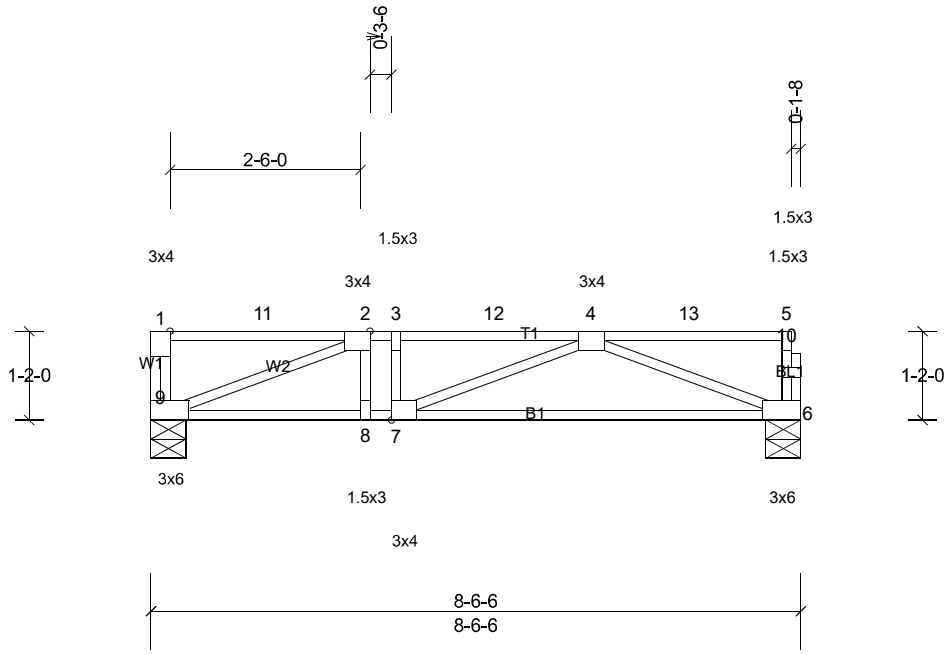

Scale = 1:30.3

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

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	1.00	Vert(LL)	-0.07	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.14	6-7	>725	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 45 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=299/0-5-8, (min. 0-1-8), 9=304/0-5-8, (min. 0-1-8)
Max Grav 6=429 (LC 12), 9=433 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-362/4, 6-10=-363/13, 5-10=-363/13, 2-3=-771/0, 3-12=-771/0, 4-12=-771/0
BOT CHORD 8-9=0/771, 7-8=0/771, 6-7=0/736
WEBS 4-6=-791/0, 2-9=-827/0, 4-7=-282/348

NOTES
1) Unbalanced floor live loads have been considered for this design.
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.
3) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F24	Floor	2	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:41 Page: 1
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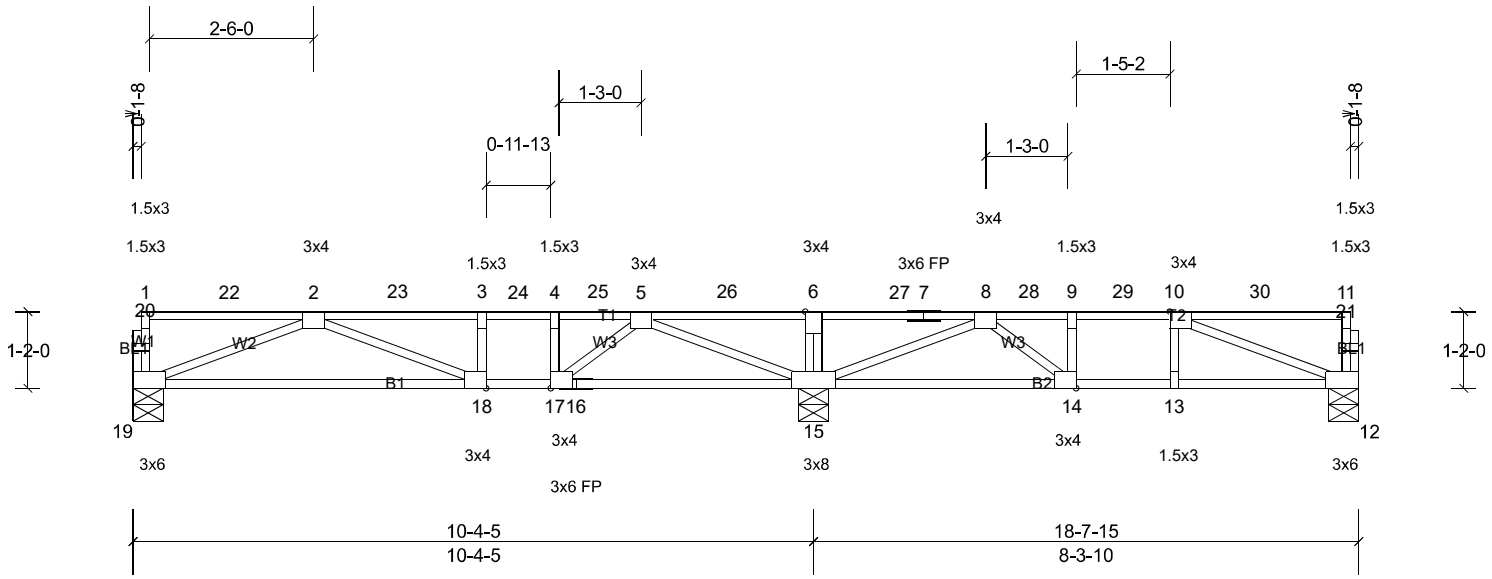


Scale = 1:35.1

Plate Offsets (X, Y): [10:0-1-8,Edge], [14:0-1-8,Edge], [17:0-1-8,Edge], [18:0-1-8,Edge]

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	0.79	Vert(LL)	-0.09	18-19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.43	Vert(CT)	-0.18	18-19	>679	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	12	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 93 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(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 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 18-19.

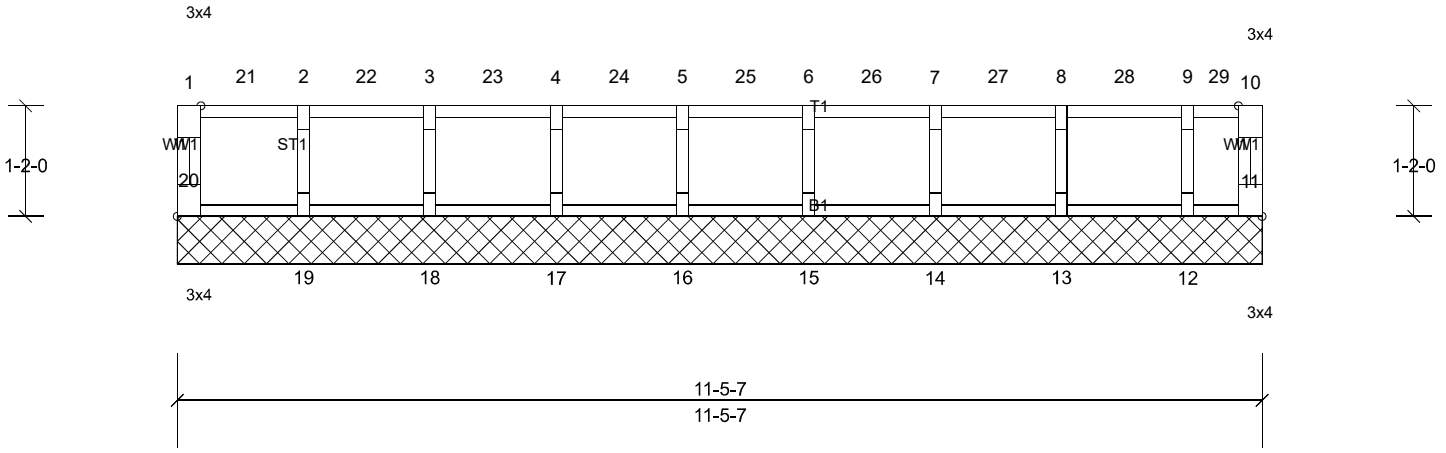
REACTIONS (lb/size) 12=247/0-5-8, (min. 0-1-8), 15=763/0-5-8, (min. 0-1-8), 19=332/0-5-8, (min. 0-1-8)
Max Grav 12=416 (LC 25), 15=763 (LC 1), 19=439 (LC 15)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 19-20=-363/17, 1-20=-362/17, 12-21=-366/0, 11-21=-365/0, 2-23=-959/93, 3-23=-959/93, 3-24=-959/93, 4-24=-959/93, 4-25=-959/93, 5-25=-959/93, 5-26=-213/606, 6-26=-213/606, 6-27=-213/606, 7-27=-213/606, 7-8=-213/606, 8-28=-705/19, 9-28=-705/19, 9-29=-705/19, 10-29=-705/19
BOT CHORD 18-19=0/802, 17-18=-93/959, 16-17=-278/579, 15-16=-278/579, 14-15=-143/473, 13-14=-19/705, 12-13=-19/705
WEBS 6-15=-392/0, 8-15=-923/0, 10-12=-754/21, 8-14=-150/400, 9-14=-251/106, 5-15=-967/0, 2-19=-862/0, 5-17=-87/535, 2-18=-246/408, 4-17=-300/67

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F25	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:24.3

Plate Offsets (X, Y): [11:Edge,0-1-8], [20:Edge,0-1-8]

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	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 50 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 6-0-0 oc bracing.

REACTIONS All bearings 11-5-7.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
Max Grav All reactions 250 (lb) or less at joint (s) except 11=354 (LC 13), 12=363 (LC 21), 13=375 (LC 20), 14=374 (LC 19), 15=374 (LC 18), 16=374 (LC 17), 17=374 (LC 16), 18=374 (LC 15), 19=374 (LC 14), 20=361 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-356/35, 10-11=-351/84
WEBS 2-19=-364/28, 3-18=-365/26, 4-17=-365/26, 5-16=-365/26, 6-15=-365/26, 7-14=-365/26, 8-13=-365/26, 9-12=-354/46

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 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12.
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.
7) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
8) 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	.
2727218	2F26	Floor	4	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:41 Page: 1
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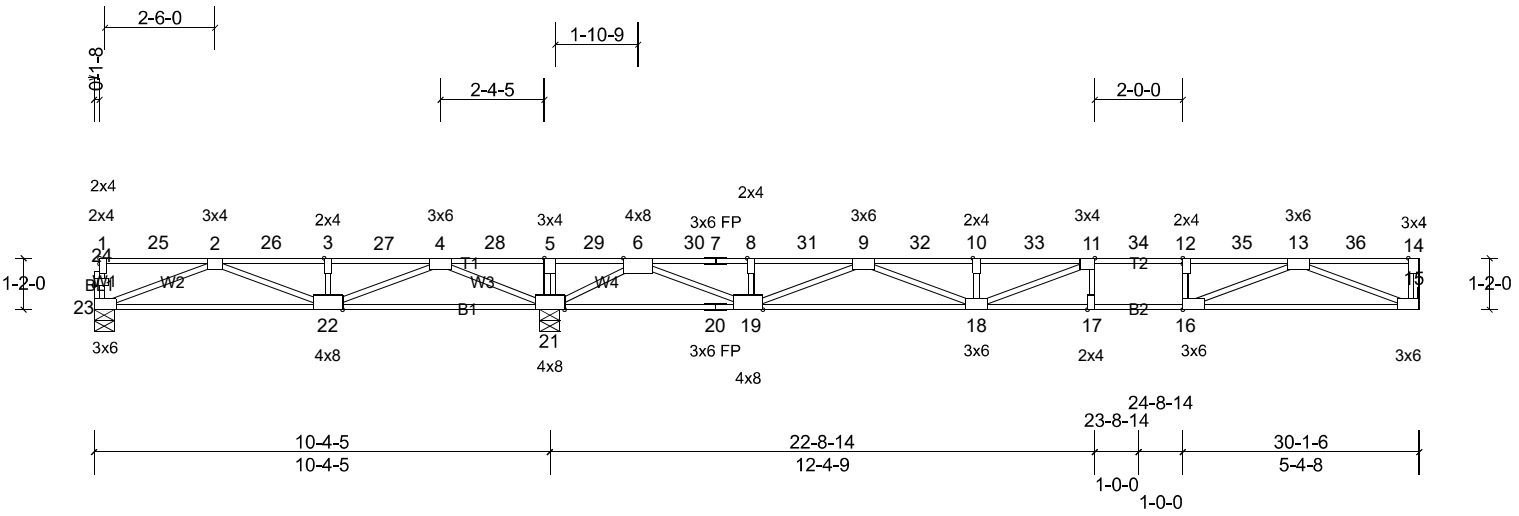

Scale = 1:52.4

Plate Offsets (X, Y): [11:0-1-8,Edge], [12:0-1-8,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge], [24:0-1-8,0-1-0]

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	0.98	Vert(LL)	-0.32	17-18	>739	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.42	17-18	>560	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.02	15	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 147 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat) *Except* T2:2x4 SP No.1 (flat)
BOT CHORD 2x4 SP No.2(flat) *Except* B2:2x4 SP No.1 (flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS (lb/size) 15=584/ Mechanical, (min. 0-1-8), 21=1493/0-5-8, (min. 0-1-8), 23=109/0-5-8, (min. 0-1-8)
Max Uplift 23=-140 (LC 4)
Max Grav 15=595 (LC 4), 21=1493 (LC 1), 23=379 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-364/11, 1-24=-364/11, 14-15=-366/14, 2-26=-680/924, 3-26=-680/924, 3-27=-680/924, 4-27=-680/924, 4-28=0/2503, 5-28=0/2503, 5-29=0/2501, 6-29=0/2501, 6-30=-778/52, 7-30=-778/52, 7-8=-778/52, 8-31=-778/52, 9-31=-778/52, 9-32=-2266/0, 10-32=-2266/0, 10-33=-2266/0, 11-33=-2266/0, 11-34=-2165/0, 12-34=-2165/0, 12-35=-2165/0, 13-35=-2165/0
BOT CHORD 22-23=-419/630, 21-22=-1605/168, 20-21=-1032/0, 19-20=-1032/0, 18-19=0/1652, 17-18=0/2165, 16-17=0/2165, 15-16=0/1287
WEBS 5-21=-382/20, 12-16=-310/20, 2-23=-677/452, 2-22=-544/308, 3-22=-379/22, 4-22=0/973, 4-21=-1374/0, 11-18=-402/507, 10-18=-435/0, 9-18=-33/903, 9-19=-1102/0, 8-19=-382/5, 6-19=0/1648, 6-21=-1665/0, 13-15=-1384/0, 13-16=0/948

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 23.
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.
6) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
7) 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.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F27	Floor	1	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:41 Page: 1
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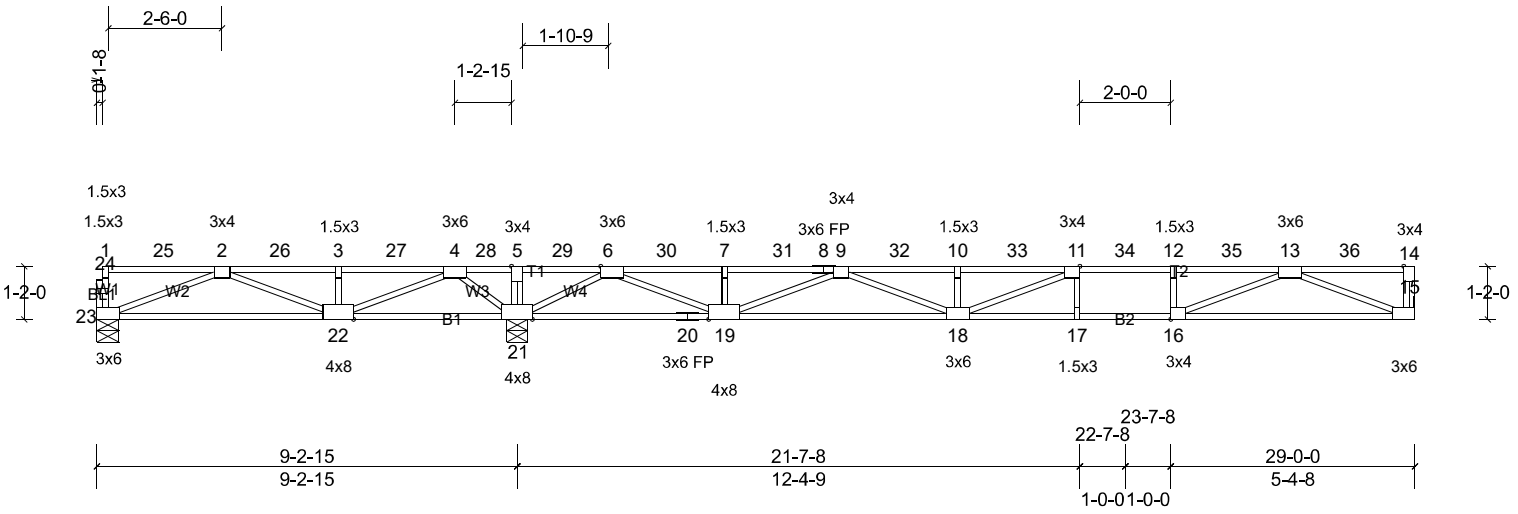

Scale = 1:50.7

Plate Offsets (X, Y): [6:0-2-0,Edge], [11:0-1-8,Edge], [16:0-1-8,Edge], [19:0-3-8,Edge]

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	0.98	Vert(LL)	-0.31	17-18	>759	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.41	17-18	>571	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.02	15	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 142 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat) *Except* T2:2x4 SP No.1 (flat)
BOT CHORD 2x4 SP No.2(flat) *Except* B2:2x4 SP No.1 (flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS (lb/size) 15=583/ Mechanical, (min. 0-1-8), 21=1484/0-5-8, (min. 0-1-8), 23=38/0-5-13, (min. 0-1-8)
Max Uplift 23=-185 (LC 4)
Max Grav 15=591 (LC 4), 21=1484 (LC 1), 23=360 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 23-24=-364/11, 1-24=-364/11, 14-15=-366/14, 2-26=-482/1148, 3-26=-482/1148, 3-27=-482/1148, 4-27=-482/1148, 4-28=0/2524, 5-28=0/2524, 5-29=0/2526, 6-29=0/2526, 6-30=-746/84, 7-30=-746/84, 7-31=-746/84, 8-31=-746/84, 8-9=-746/84, 9-32=-2226/0, 10-32=-2226/0, 10-33=-2226/0, 11-33=-2226/0, 11-34=-2141/0, 12-34=-2141/0, 12-35=-2141/0, 13-35=-2141/0
BOT CHORD 22-23=-533/554, 21-22=-1931/0, 20-21=-1054/0, 19-20=-1054/0, 18-19=0/1605, 17-18=0/2141, 16-17=0/2141, 15-16=0/1276
WEBS 5-21=-371/68, 12-16=-309/20, 2-23=-595/574, 2-22=-664/202, 3-22=-378/22, 4-22=0/1161, 4-21=-953/0, 11-18=-407/497, 10-18=-433/0, 9-18=-36/907, 9-19=-1109/0, 7-19=-381/5, 6-19=0/1648, 6-21=-1671/0, 13-15=-1373/0, 13-16=0/934

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 23.
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.
6) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
7) 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.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F28	Floor	1	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:42 Page: 1
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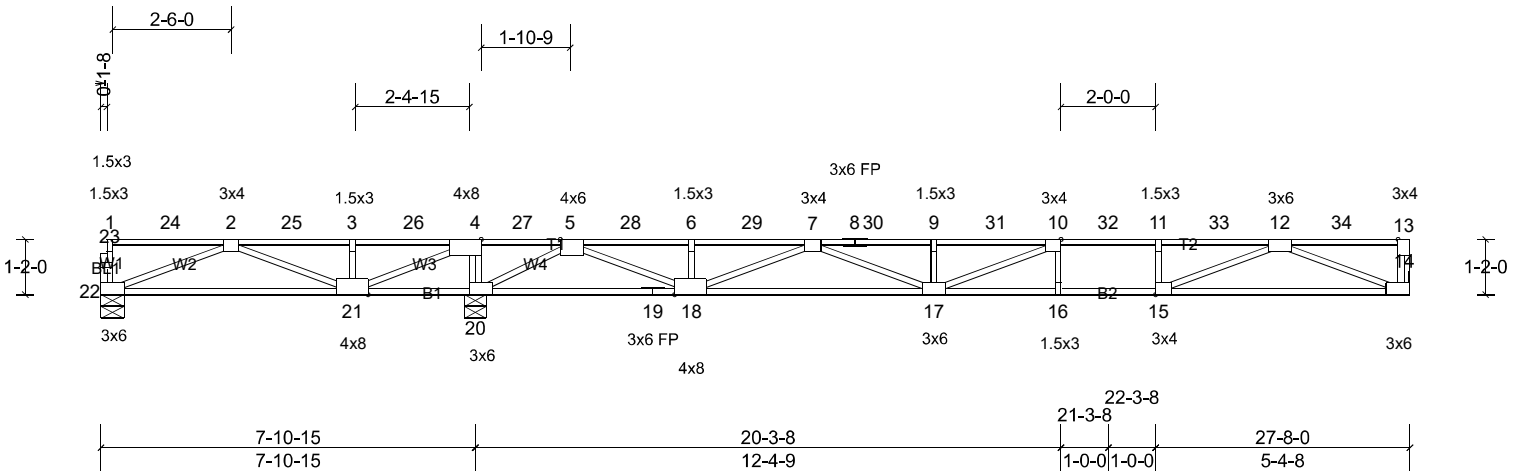

Scale = 1:48.7

Plate Offsets (X, Y): [4:0-3-0,Edge], [5:0-2-8,Edge], [10:0-1-8,Edge], [15:0-1-8,Edge], [18:0-3-8,Edge]

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	0.97	Vert(LL)	-0.31	16-17	>767	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.41	16-17	>575	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 135 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat) *Except* T2:2x4 SP No.1 (flat)
BOT CHORD 2x4 SP No.2(flat) *Except* B2:2x4 SP No.1 (flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS (lb/size) 14=584/ Mechanical, (min. 0-1-8), 20=1483/0-5-8, (min. 0-1-8), 22=-61/0-5-13, (min. 0-1-8)
Max Uplift 22=-253 (LC 4)
Max Grav 14=589 (LC 4), 20=1483 (LC 1), 22=333 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 22-23=-364/12, 1-23=-363/11, 13-14=-366/14, 2-25=-196/1490, 3-25=-196/1490, 3-26=-196/1490, 4-26=-196/1490, 4-27=0/2493, 5-27=0/2493, 5-28=-739/96, 6-28=-739/96, 6-29=-739/96, 7-29=-739/96, 7-8=-2208/0, 8-30=-2208/0, 9-30=-2208/0, 9-31=-2208/0, 10-31=-2208/0, 10-32=-2131/0, 11-32=-2131/0, 11-33=-2131/0, 12-33=-2131/0
BOT CHORD 21-22=-703/444, 20-21=-2493/0, 19-20=-1046/0, 18-19=-1046/0, 17-18=0/1583, 16-17=0/2131, 15-16=0/2131, 14-15=0/1272
WEBS 4-20=-693/0, 11-15=-309/20, 2-22=-477/757, 2-21=-891/49, 3-21=-376/23, 4-21=0/1414, 10-17=-407/493, 9-17=-433/0, 7-17=-29/908, 7-18=-1103/0, 6-18=-382/4, 5-18=0/1651, 5-20=-1669/0, 12-14=-1368/0, 12-15=0/927

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 22.
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.
5) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F29	Floor Supported Gable	1	1	Job Reference (optional)

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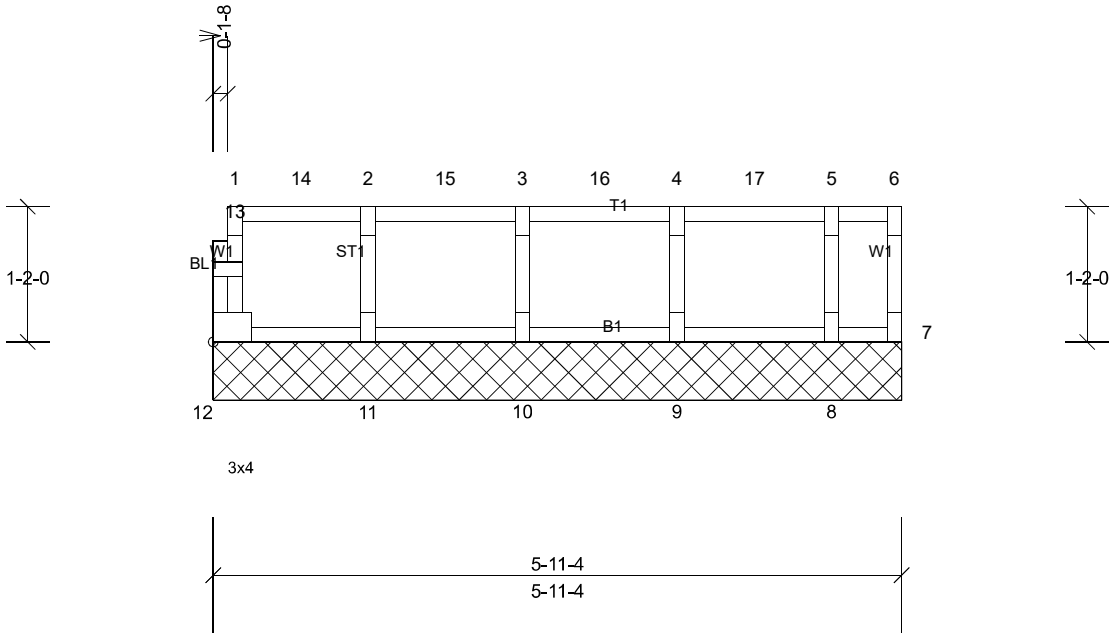

Scale = 1:19.9

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	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 27 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 5-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 5-11-4.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 7, 8, 9, 10, 11, 12
Max Grav All reactions 250 (lb) or less at joint (s) except 7=350 (LC 9), 8=370 (LC 8), 9=389 (LC 14), 10=387 (LC 13), 11=388 (LC 12), 12=353 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-354/33, 1-13=-355/32, 6-7=-347/96
WEBS 2-11=-373/19, 3-10=-373/14, 4-9=-374/17, 5-8=-360/45

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 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 12, 7, 11, 10, 9, 8.
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.
7) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
8) 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.
9) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F30	Floor	10	1	Job Reference (optional)

Run: 8.42 S Apr 16 2021 Print: 8.420 S Apr 16 2021 MiTek Industries, Inc. Thu Oct 07 11:37:42 Page: 1
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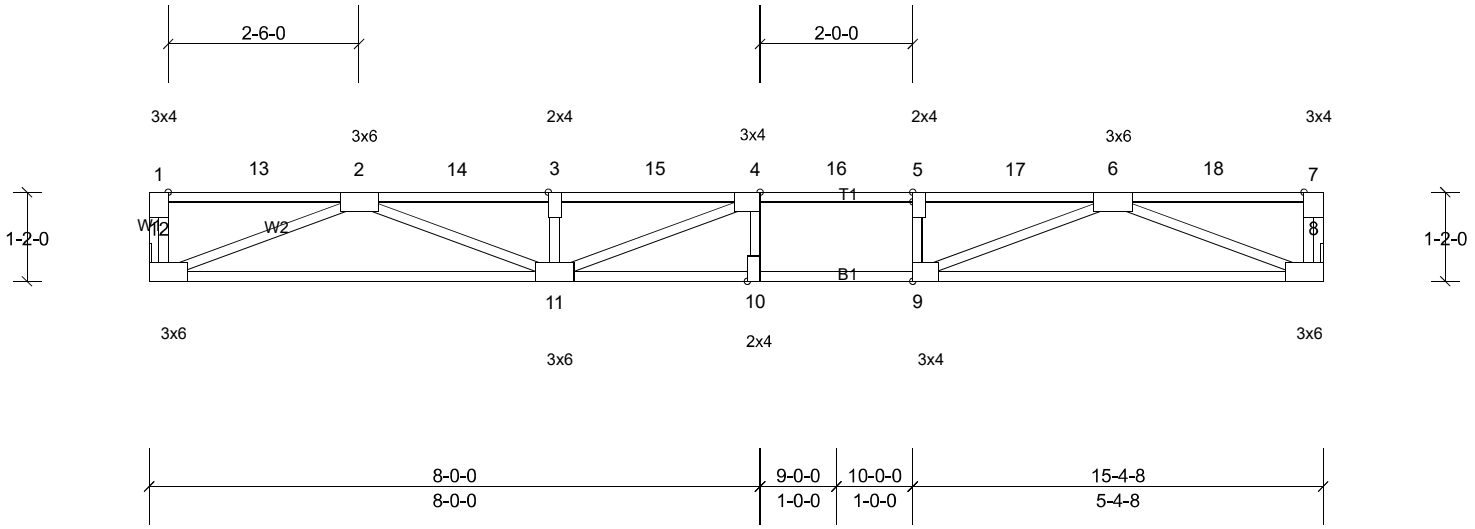


Scale = 1:30.2

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

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	0.96	Vert(LL)	-0.22	10-11	>810	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.35	10-11	>520	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 75 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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

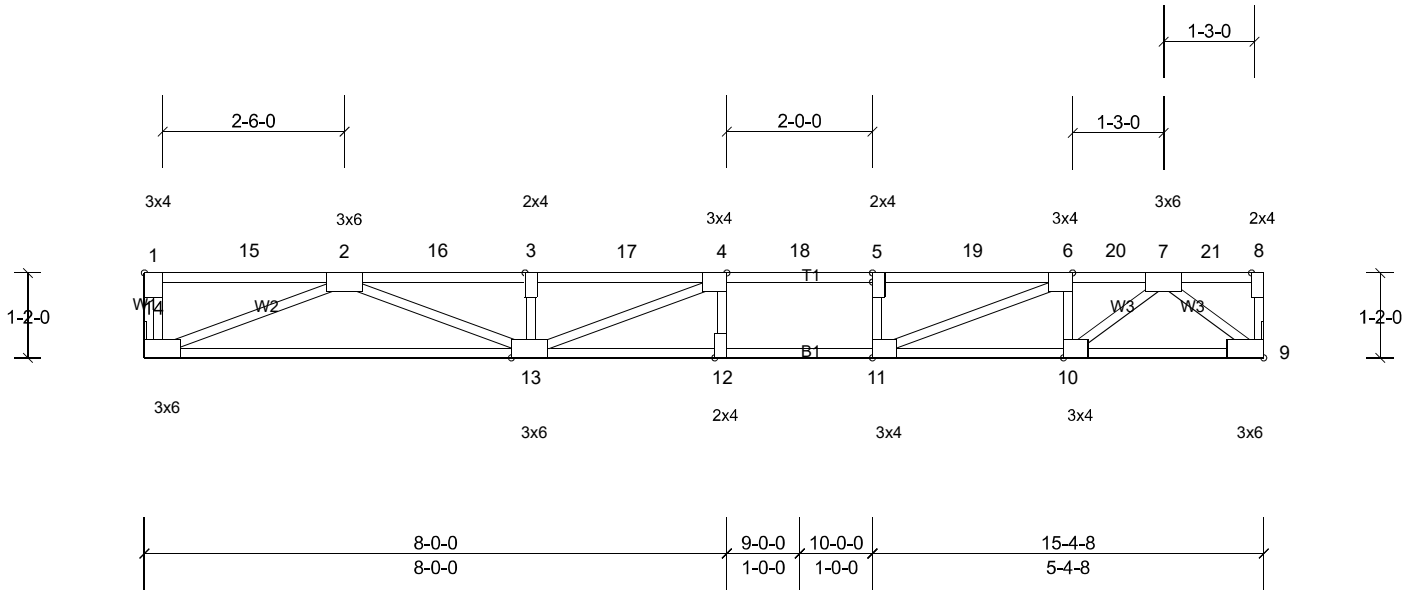
REACTIONS (lb/size) 8=555/ Mechanical, (min. 0-1-8), 12=555/ Mechanical, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-365/8, 7-8=-365/16, 2-14=-1877/0, 3-14=-1877/0, 3-15=-1877/0, 4-15=-1877/0, 4-16=-1930/0, 5-16=-1930/0, 5-17=-1930/0, 6-17=-1930/0
BOT CHORD 11-12=0/1180, 10-11=0/1930, 9-10=0/1930, 8-9=0/1183
WEBS 5-9=-281/30, 2-12=-1269/0, 2-11=0/894, 3-11=-433/5, 4-11=-503/479, 6-8=-1273/0, 6-9=0/894

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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	.
2727218	2F30A	Floor	3	1	Job Reference (optional)



Scale = 1:31.7

Plate Offsets (X, Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [13:0-2-8,Edge]

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	0.61	Vert(LL)	-0.18	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.28	12-13	>644	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 76 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP DSS(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 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.

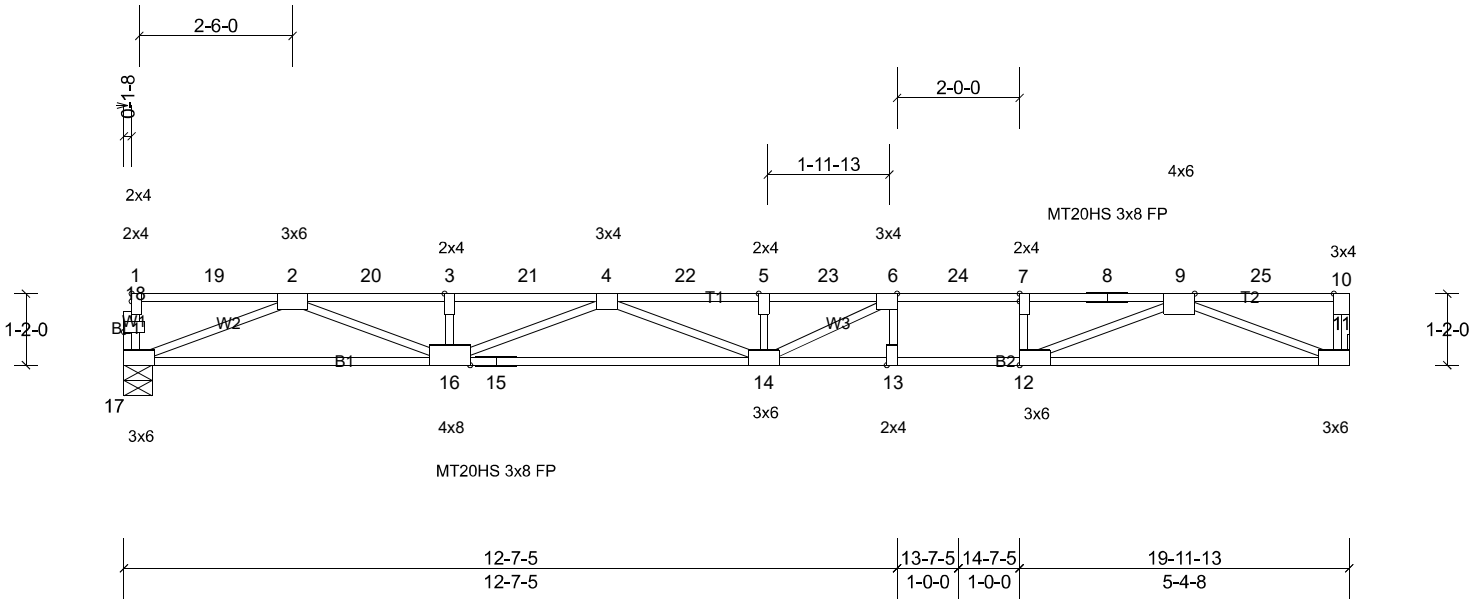
REACTIONS (lb/size) 9=1281/ Mechanical, (min. 0-1-8), 14=625/ Mechanical, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-365/8, 8-9=-400/0, 2-16=-2212/0, 3-16=-2212/0, 3-17=-2212/0, 4-17=-2212/0, 4-18=-2533/0, 5-18=-2533/0, 5-19=-2533/0, 6-19=-2533/0, 6-20=-2016/0, 7-20=-2016/0
BOT CHORD 13-14=0/1356, 12-13=0/2533, 11-12=0/2533, 10-11=0/2016, 9-10=0/1356
WEBS 5-11=-279/17, 2-14=-1459/0, 2-13=0/938, 3-13=-423/8, 4-13=-613/390, 6-11=-95/884, 6-10=-512/0, 7-10=0/842, 7-9=-1732/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
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.
4) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 9-14=-7, 1-6=-67, 6-8=-369 (F=-302)

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F31	Floor	2	1	Job Reference (optional)



Scale = 1:37.6

Plate Offsets (X, Y): [6:0-1-8,Edge], [7:0-1-8,Edge], [9:0-2-12,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [18:0-1-8,0-1-0]

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	0.94	Vert(LL)	-0.48	13-14	>496	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.65	13-14	>366	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-SH							Weight: 97 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.2(flat) *Except* B2:2x4 SP DSS (flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS (lb/size) 11=724/ Mechanical, (min. 0-1-8), 17=719/0-5-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-365/10, 1-18=-364/10, 10-11=-367/12, 2-20=-2689/0, 3-20=-2689/0, 3-21=-2689/0, 4-21=-2689/0, 4-22=-3494/0, 5-22=-3494/0, 5-23=-3494/0, 6-23=-3494/0, 6-24=-2908/0, 7-24=-2908/0, 7-8=-2908/0, 8-9=-2908/0
BOT CHORD 16-17=0/1600, 15-16=0/3283, 14-15=0/3283, 13-14=0/2908, 12-13=0/2908, 11-12=0/1620
WEBS 7-12=-354/0, 2-17=-1717/0, 2-16=0/1176, 3-16=-381/20, 4-16=-746/118, 4-14=-296/586, 5-14=-476/0, 6-14=-167/862, 9-11=-1743/0, 9-12=0/1391

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
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.
5) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	.
2727218	2F32	Floor Supported Gable	1	1	Job Reference (optional)

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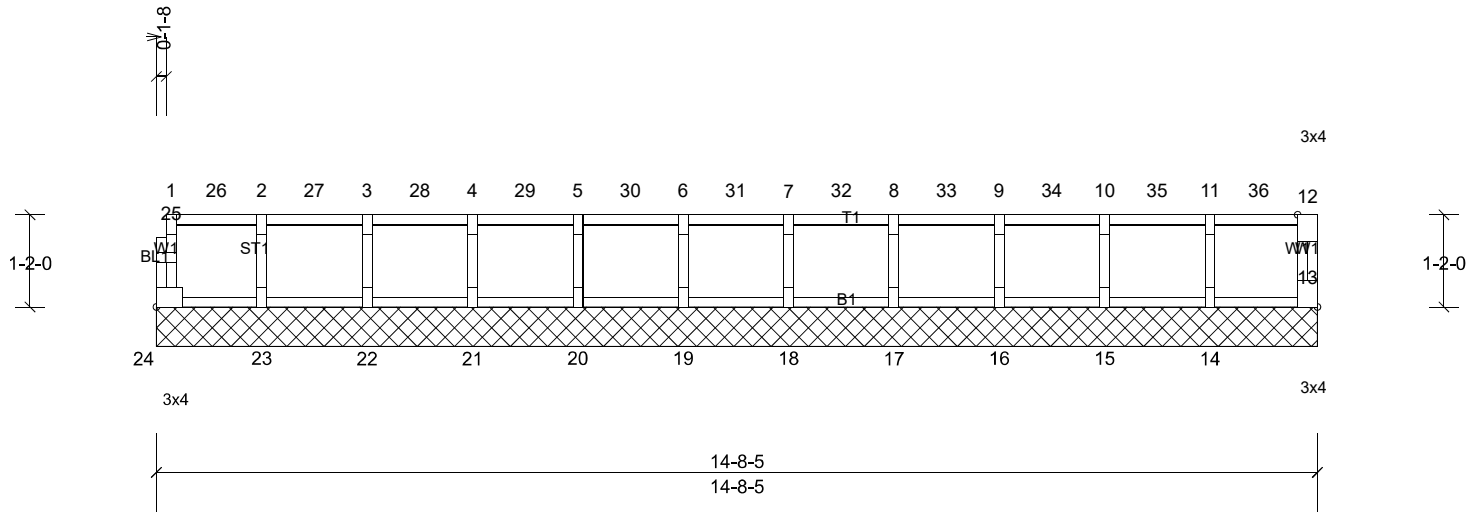

Scale = 1:29.2

Plate Offsets (X, Y): [13:Edge,0-1-8]

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	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	13	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 62 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 6-0-0 oc bracing.

REACTIONS All bearings 14-8-5.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
Max Grav All reactions 250 (lb) or less at joint (s) except 13=367 (LC 15), 14=387 (LC 27), 15=388 (LC 26), 16=387 (LC 25), 17=387 (LC 24), 18=387 (LC 23), 19=387 (LC 22), 20=387 (LC 21), 21=387 (LC 20), 22=388 (LC 19), 23=386 (LC 18), 24=354 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 24-25=-355/31, 1-25=-355/31, 12-13=-361/29
WEBS 2-23=-372/20, 3-22=-374/17, 4-21=-374/17, 5-20=-374/17, 6-19=-374/17, 7-18=-374/17, 8-17=-374/17, 9-16=-374/17, 10-15=-374/17, 11-14=-373/19

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 1-4-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14.
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.
7) This truss has been designed for a moving concentrated load of 250.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
8) 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.
9) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard