Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	A1	FLOOR	14	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403

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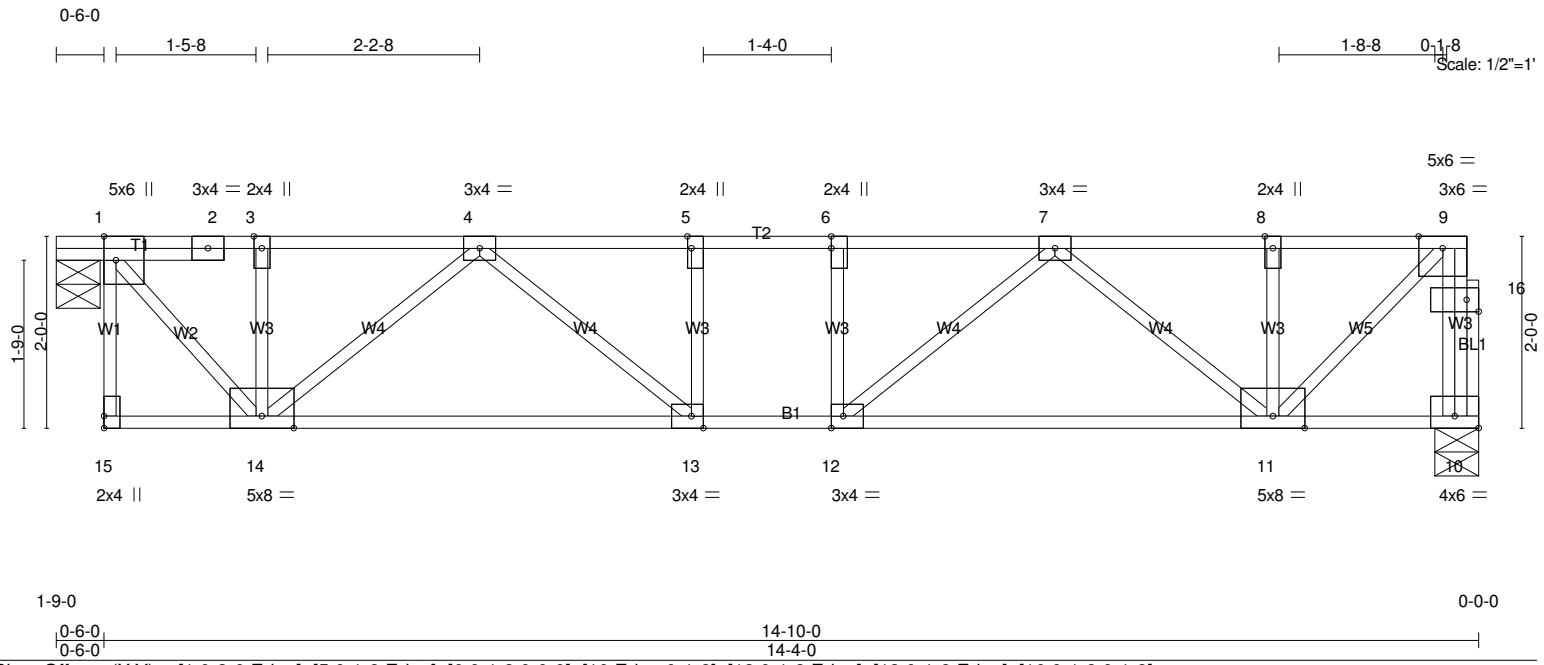

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [10:Edge,0-1-8], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:0-1-8,0-1-8]

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	0.30	Vert(LL)	-0.11	11-12	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.19	11-12	>899	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 64 lb	FT = 0%F, 10%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 WW Stud(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) 10=978/0-5-8 (min. 0-1-8), 1=986/0-5-8 (min. 0-1-8)

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

TOP CHORD 10-16=-974/0, 9-16=-967/0, 1-2=-775/0, 2-3=-772/0, 3-4=-772/0, 4-5=-1858/0, 5-6=-1858/0, 6-7=-1858/0, 7-8=-927/0, 8-9=-927/0
BOT CHORD 13-14=0/1488, 12-13=0/1858, 11-12=0/1570
WEBS 4-13=0/584, 4-14=-928/0, 1-14=0/1174, 7-12=0/502, 7-11=-834/0, 8-11=-271/0, 9-11=0/1259

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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	B1	FLOOR	12	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403

8.520 s Sep 27 2021 MiTek Industries, Inc. Wed Nov 24 09:46:25 2021 Page 1
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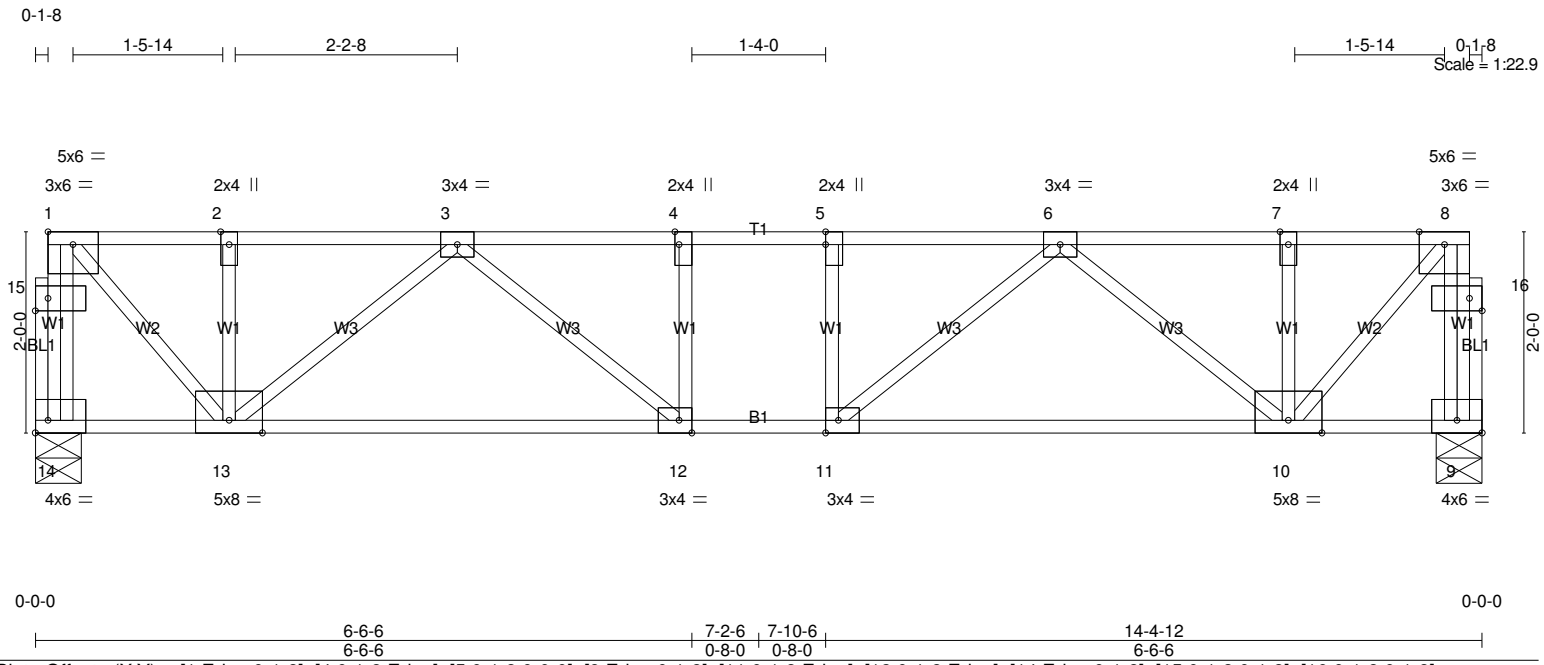

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [9:Edge,0-1-8], [11:0-1-8,Edge], [12:0-1-8,Edge], [14:Edge,0-1-8], [15:0-1-8,0-1-8], [16:0-1-8,0-1-8]

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	0.28	Vert(LL)	-0.10	12-13	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.48	Vert(CT)	-0.17	12-13	>979	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 64 lb	FT = 0%F, 10%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 WW Stud(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) 14=974/0-5-8 (min. 0-1-8), 9=974/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-972/0, 1-15=-966/0, 9-16=-972/0, 8-16=-966/0, 1-2=-835/0, 2-3=-835/0, 3-4=-1843/0, 4-5=-1843/0, 5-6=-1843/0, 6-7=-835/0, 7-8=-835/0
BOT CHORD 12-13=0/1514, 11-12=0/1843, 10-11=0/1514
WEBS 3-12=0/542, 3-13=-880/0, 2-13=-257/0, 1-13=0/1204, 6-11=0/542, 6-10=-880/0, 7-10=-257/0, 8-10=0/1204

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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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	Brstina - River Queen - Floor Trusses
19305	C1	FLOOR	9	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403 — 8.520 s Sep 27 2021 MiTek Industries, Inc. Wed Nov 24 09:46:26 2021 Page 1
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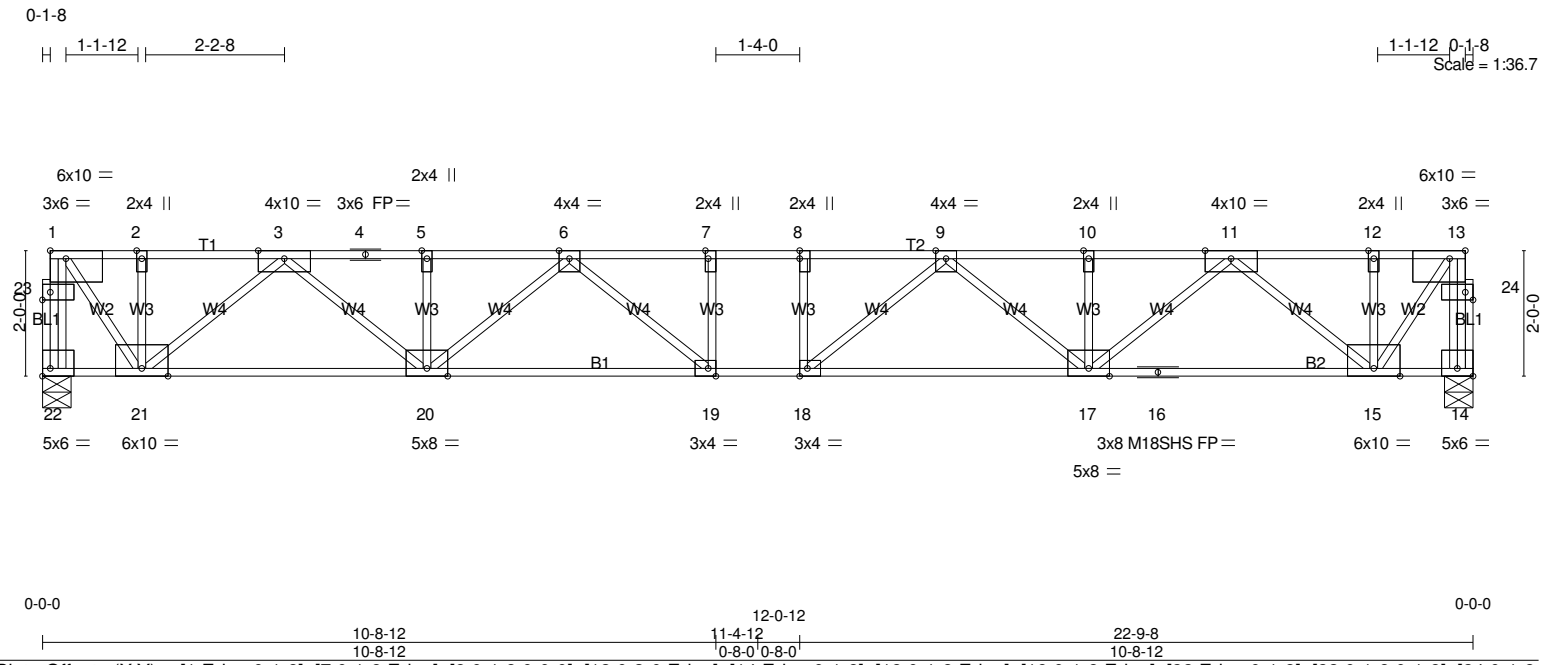

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,0-0-0], [13:0-3-0,Edge], [14:Edge,0-1-8], [18:0-1-8,Edge], [19:0-1-8,Edge], [22:Edge,0-1-8], [23:0-1-8,0-1-8], [24:0-1-8,0-1-8]

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	0.46	Vert(LL)	-0.23	19-20	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.41	19-20	>659	360	M18SHS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.09	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 104 lb	FT = 0%F, 10%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat)
WEBS 2x4 SPF 1650F 1.5E(flat) *Except*
BL1,W1: 2x4 WW Stud(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) 14=1562/0-5-8 (min. 0-1-8), 22=1562/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 22-23=-1564/0, 1-23=-1553/0, 14-24=-1564/0, 13-24=-1553/0, 1-2=-1128/0, 2-3=-1128/0, 3-4=-3693/0, 4-5=-3693/0, 5-6=-3693/0, 6-7=-4693/0, 7-8=-4693/0, 8-9=-4693/0, 9-10=-3693/0, 10-11=-3693/0, 11-12=-1128/0, 12-13=-1128/0
BOT CHORD 20-21=0/2581, 19-20=0/4366, 18-19=0/4693, 17-18=0/4366, 16-17=0/2581, 15-16=0/2581
WEBS 7-19=-302/0, 8-18=-302/0, 6-19=0/712, 6-20=-872/0, 5-20=-266/0, 3-20=0/1442, 3-21=-1884/0, 1-21=0/1857, 9-18=0/712, 9-17=-872/0, 10-17=-266/0, 11-17=0/1442, 11-15=-1884/0, 13-15=0/1857

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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	Brstina - River Queen - Floor Trusses
19305	D1	FLOOR	8	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403 — 8.520 s Sep 27 2021 MiTek Industries, Inc. Wed Nov 24 09:46:27 2021 Page 1
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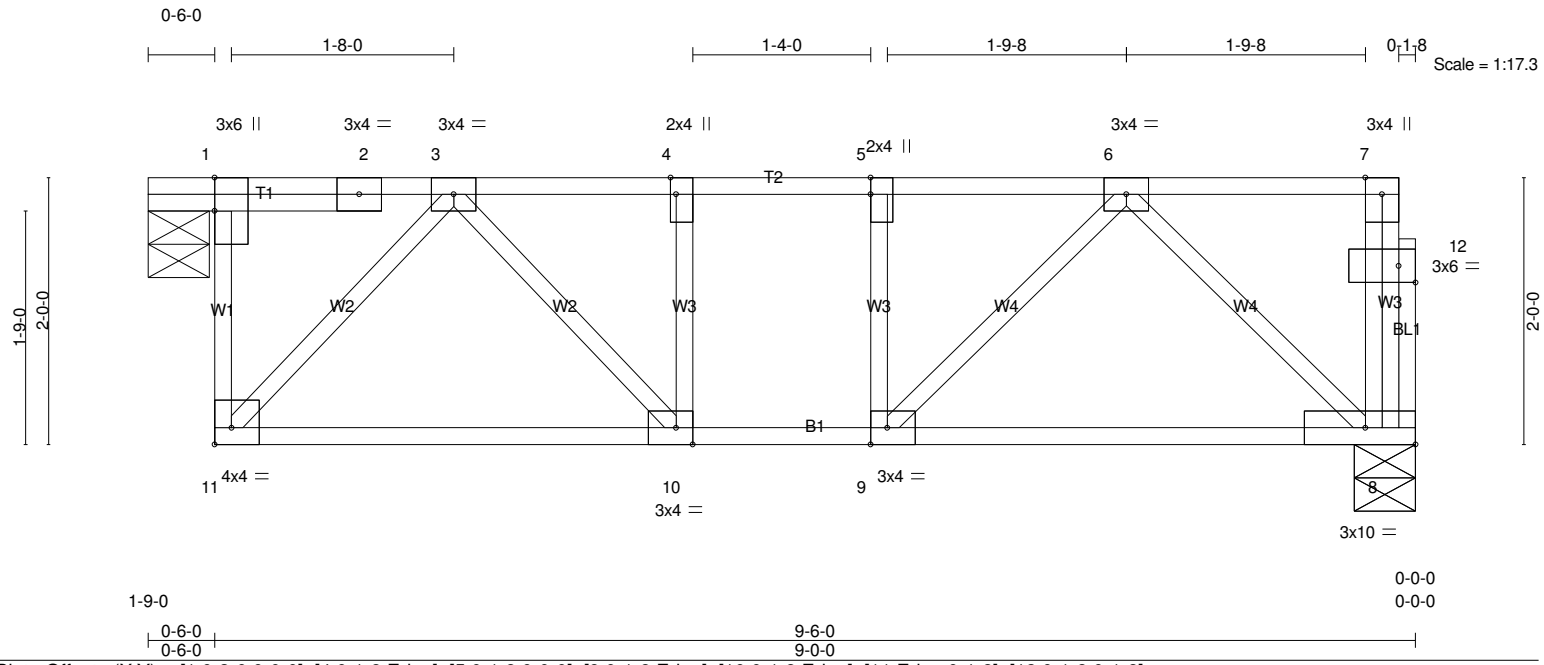

Plate Offsets (X,Y)-- [1:0-3-0,0-0-0], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [9:0-1-8,Edge], [10:0-1-8,Edge], [11:Edge,0-1-8], [12:0-1-8,0-1-8]

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	0.37	Vert(LL)	-0.04	8-9	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.09	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 42 lb	FT = 0%F, 10%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 WW Stud(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) 1=612/0-5-8 (min. 0-1-8), 8=605/0-5-8 (min. 0-1-8), 8=605/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=0/523, 3-4=-716/0, 4-5=-716/0, 5-6=-716/0
BOT CHORD 10-11=0/457, 9-10=0/716, 8-9=0/511
WEBS 6-9=0/338, 6-8=-700/0, 3-10=0/409, 3-11=-674/0

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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	E1	FLOOR	3	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403 — 8.520 s Sep 27 2021 MiTek Industries, Inc. Wed Nov 24 09:46:27 2021 Page 1

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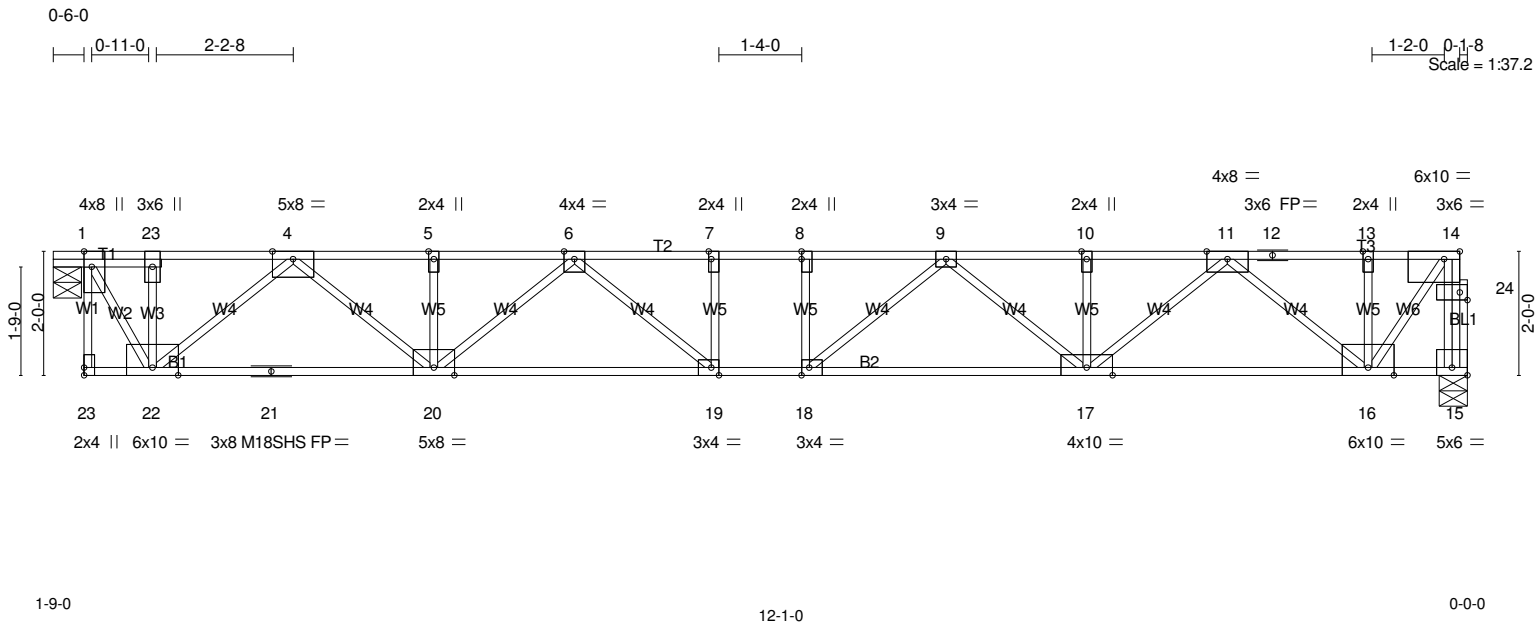

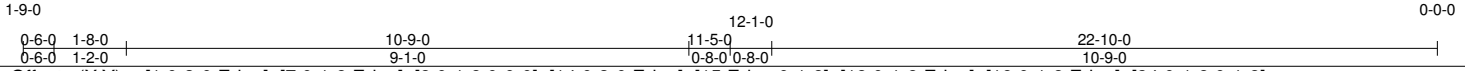

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [7:0-1-8,Edge], [8:0-1-8,0-0-0], [14:0-3-0,Edge], [15:Edge,0-1-8], [18:0-1-8,Edge], [19:0-1-8,Edge], [24:0-1-8,0-1-8]

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	0.48	Vert(LL)	-0.23	17-18	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.41	17-18	>653	360	M18SHS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02	15	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 102 lb	FT = 0%F, 10%E

LUMBER-

TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat)
WEBS 2x4 SPF 1650F 1.5E(flat) *Except* W1,BL1,W7: 2x4 WW Stud(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) 15=1538/0-5-8 (min. 0-1-8), 1=1546/0-5-8 (min. 0-1-8)

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

TOP CHORD 15-24=-1540/0, 14-24=-1529/0, 1-2=-865/0, 2-3=-844/0, 3-4=-865/0, 4-5=-3480/0, 5-6=-3480/0, 6-7=-4554/0, 7-8=-4554/0, 8-9=-4554/0, 9-10=-3628/0, 10-11=-3628/0, 11-12=-1126/0, 12-13=-1126/0, 13-14=-1126/0
BOT CHORD 21-22=0/2334, 20-21=0/2334, 19-20=0/4184, 18-19=0/4554, 17-18=0/4269, 16-17=0/2548
WEBS 7-19=-316/0, 8-18=-282/0, 6-19=0/745, 6-20=-913/0, 5-20=-272/0, 4-20=0/1487, 4-22=-1905/0, 1-22=0/1735, 9-18=-23/665, 9-17=-831/0, 10-17=-263/0, 11-17=0/1401, 11-16=-1844/0, 14-16=0/1835

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	E1G	FLOOR	4	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403

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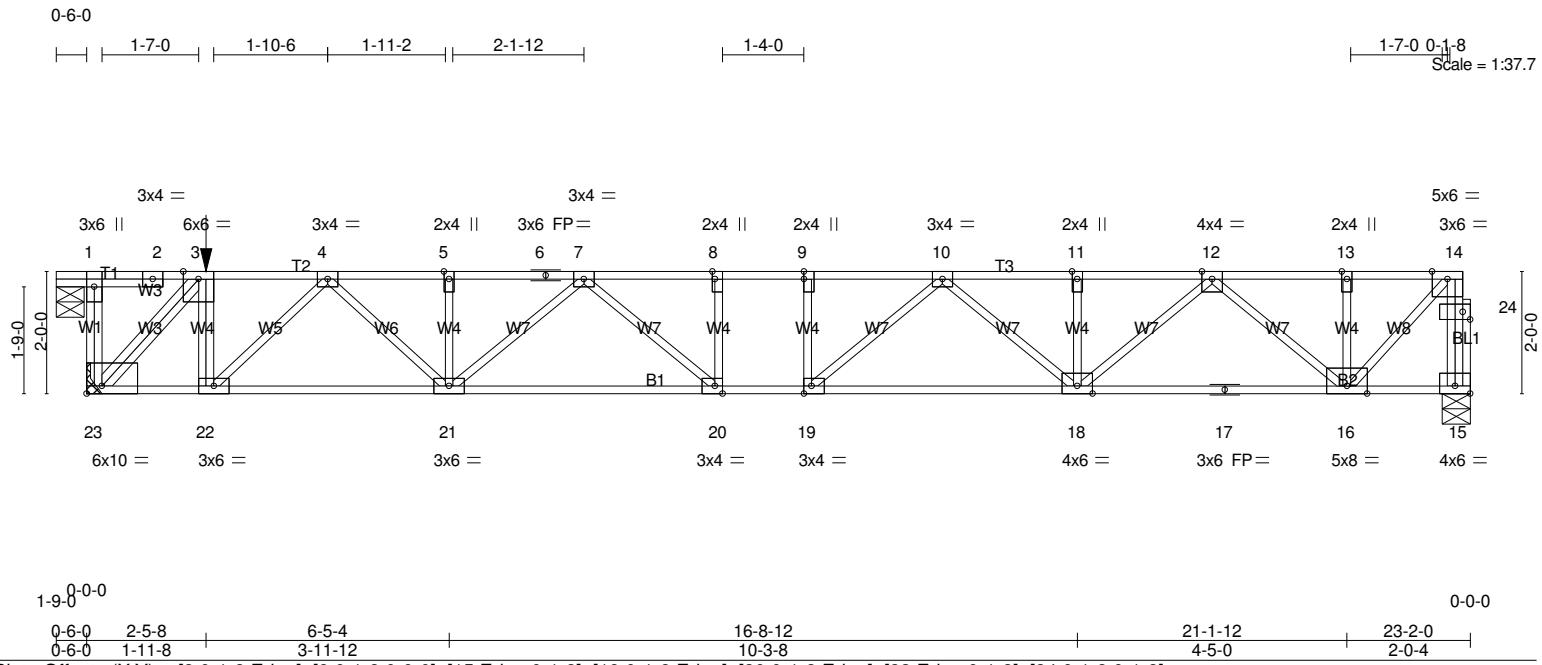

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,0-0-0], [15:Edge,0-1-8], [19:0-1-8,Edge], [20:0-1-8,Edge], [23:Edge,0-1-8], [24:0-1-8,0-1-8]

LOADING (psf)		**SPACING-**	1-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.16	20-21	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.28	20-21	>960	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.22	Horz(CT)	-0.06	23	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 109 lb	FT = 0%F, 10%E

LUMBER-
TOP CHORD 2x4 SPF 2400F 2.0E(flat)
BOT CHORD 2x4 SPF 2400F 2.0E(flat)
WEBS 2x4 SPF 1650F 1.5E(flat) *Except*
W1: 2x4 SPF 2400F 2.0E(flat), BL1,W9: 2x4 WW Stud(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) 23=2120/Mechanical, 1=45/0-5-8 (min. 0-1-8), 15=896/0-5-8 (min. 0-1-8)
Max Grav 23=2120(LC 1), 1=45(LC 3), 15=896(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-24=-894/0, 14-24=-887/0, 3-4=-1992/0, 4-5=-2848/0, 5-6=-2848/0, 6-7=-2848/0, 7-8=-3044/0, 8-9=-3044/0, 9-10=-3044/0, 10-11=-2286/0, 11-12=-2286/0, 12-13=-836/0, 13-14=-836/0
BOT CHORD 22-23=0/1970, 21-22=0/2488, 20-21=0/3049, 19-20=0/3044, 18-19=0/2727, 17-18=0/1638, 16-17=0/1638
WEBS 3-22=0/492, 3-23=-2888/0, 7-20=-219/269, 7-21=-306/0, 4-21=0/495, 4-22=-681/0, 10-19=0/568, 10-18=-578/0, 12-18=0/850, 12-16=-1053/0, 14-16=0/1174

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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1500 lb down at 2-5-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) 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 (plf)
Vert: 15-23=-10, 1-14=-60
Concentrated Loads (lb)
Vert: 3=-1500(F)

Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	E2	FLOOR	3	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403 — 8.520 s Sep 27 2021 MiTek Industries, Inc. Wed Nov 24 09:46:29 2021 Page 1
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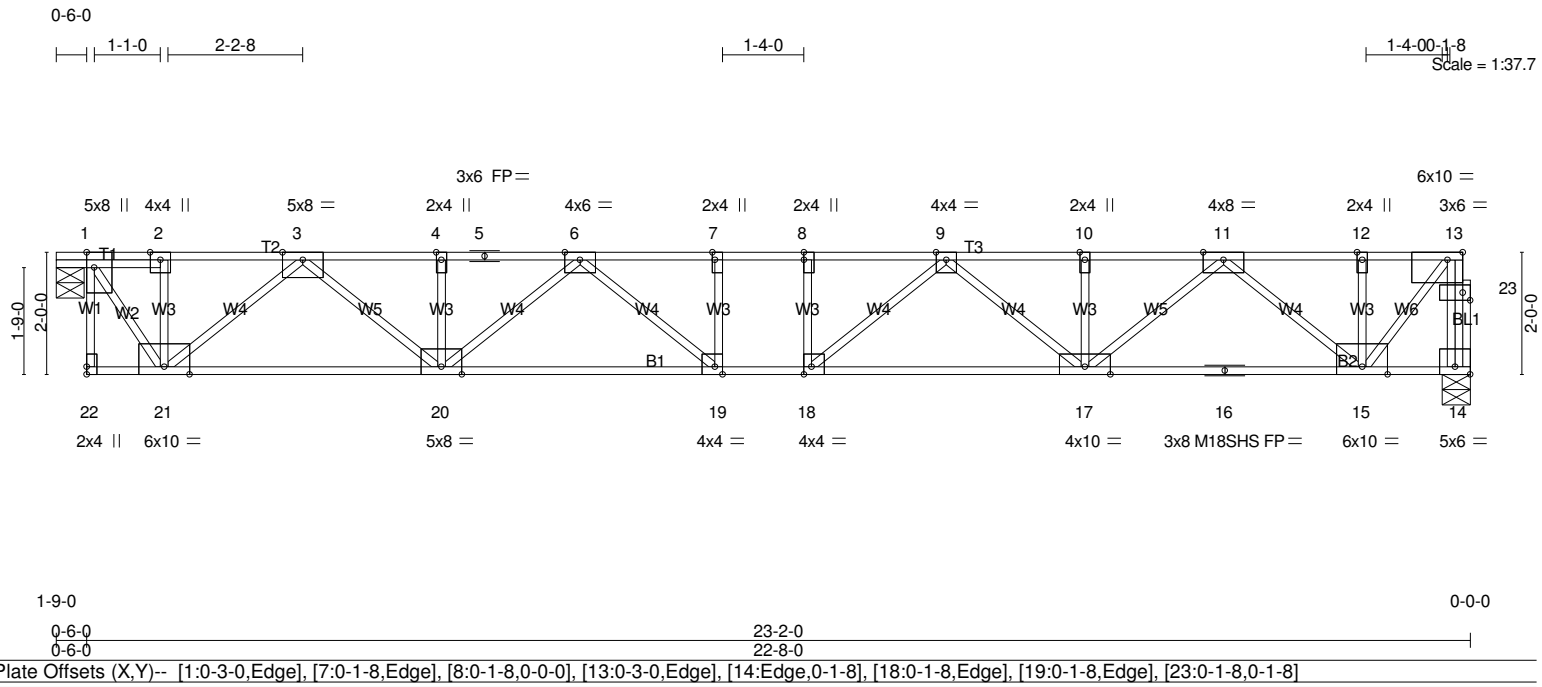

1-9-0 — 0-0-0
0-6-0 — 23-2-0
0-6-0 — 22-8-0

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [7:0-1-8,Edge], [8:0-1-8,0-0-0], [13:0-3-0,Edge], [14:Edge,0-1-8], [18:0-1-8,Edge], [19:0-1-8,Edge], [23:0-1-8,0-1-8]

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	0.49	Vert(LL)	-0.24	17-18	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.43	17-18	>619	360	M18SHS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 98 lb	FT = 0%F, 10%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat)
WEBS 2x4 WW Stud(flat) *Except*
W5,W2,W6: 2x4 SPF 1650F 1.5E(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) 14=1562/0-5-8 (min. 0-1-8), 1=1569/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-23=-1560/0, 13-23=-1549/0, 1-2=-1002/0, 2-3=-999/0, 3-4=-3619/0, 4-5=-3619/0, 5-6=-3619/0, 6-7=-4691/0, 7-8=-4691/0, 8-9=-4691/0, 9-10=-3767/0, 10-11=-3767/0, 11-12=-1268/0, 12-13=-1268/0
BOT CHORD 20-21=0/2471, 19-20=0/4322, 18-19=0/4691, 17-18=0/4406, 16-17=0/2684, 15-16=0/2684
WEBS 6-19=0/751, 6-20=-912/0, 4-20=-274/0, 3-20=0/1488, 3-21=-1909/0, 1-21=0/1802, 9-18=-30/671, 9-17=-829/0, 10-17=-268/0, 11-17=0/1405, 11-15=-1836/0, 12-15=-257/0, 13-15=0/1930, 7-19=-318/0, 8-18=-285/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	E3	FLOOR	4	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403

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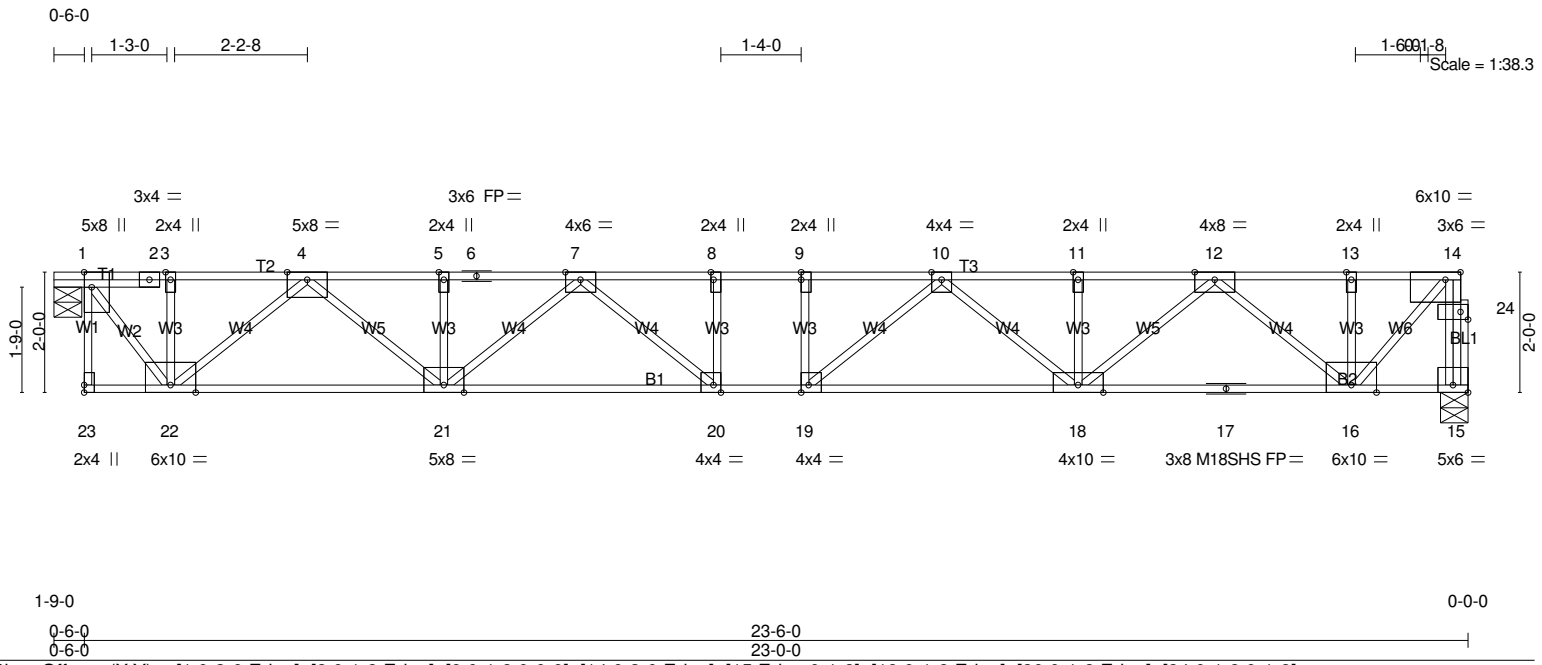

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [8:0-1-8,Edge], [9:0-1-8,0-0-0], [14:0-3-0,Edge], [15:Edge,0-1-8], [19:0-1-8,Edge], [20:0-1-8,Edge], [24:0-1-8,0-1-8]

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	0.50	Vert(LL)	-0.25	18-19	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.45	18-19	>603	360	M18SHS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.02	15	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 99 lb	FT = 0%F, 10%E

LUMBER-

TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 2100F 1.8E(flat)
WEBS 2x4 WW Stud(flat) *Except*
W5,W2,W6: 2x4 SPF 1650F 1.5E(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) 15=1585/0-5-8 (min. 0-1-8), 1=1592/0-5-8 (min. 0-1-8)

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

TOP CHORD 15-24=-1580/0, 14-24=-1569/0, 1-2=-1138/0, 2-3=-1135/0, 3-4=-1135/0, 4-5=-3759/0, 5-6=-3759/0, 6-7=-3759/0, 7-8=-4832/0, 8-9=-4832/0, 9-10=-4832/0, 10-11=-3908/0, 11-12=-3908/0, 12-13=-1409/0, 13-14=-1409/0
BOT CHORD 21-22=0/2613, 20-21=0/4462, 19-20=0/4832, 18-19=0/4547, 17-18=0/2824, 16-17=0/2824
WEBS 7-20=0/758, 7-21=-912/0, 5-21=-272/0, 4-21=0/1487, 4-22=-1916/0, 1-22=0/1878, 10-19=-37/678, 10-18=-829/0, 11-18=-268/0, 12-18=0/1406, 12-16=-1834/0, 13-16=-267/0, 14-16=0/2028, 8-20=-321/0, 9-19=-288/0

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	F1	FLOOR	6	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403

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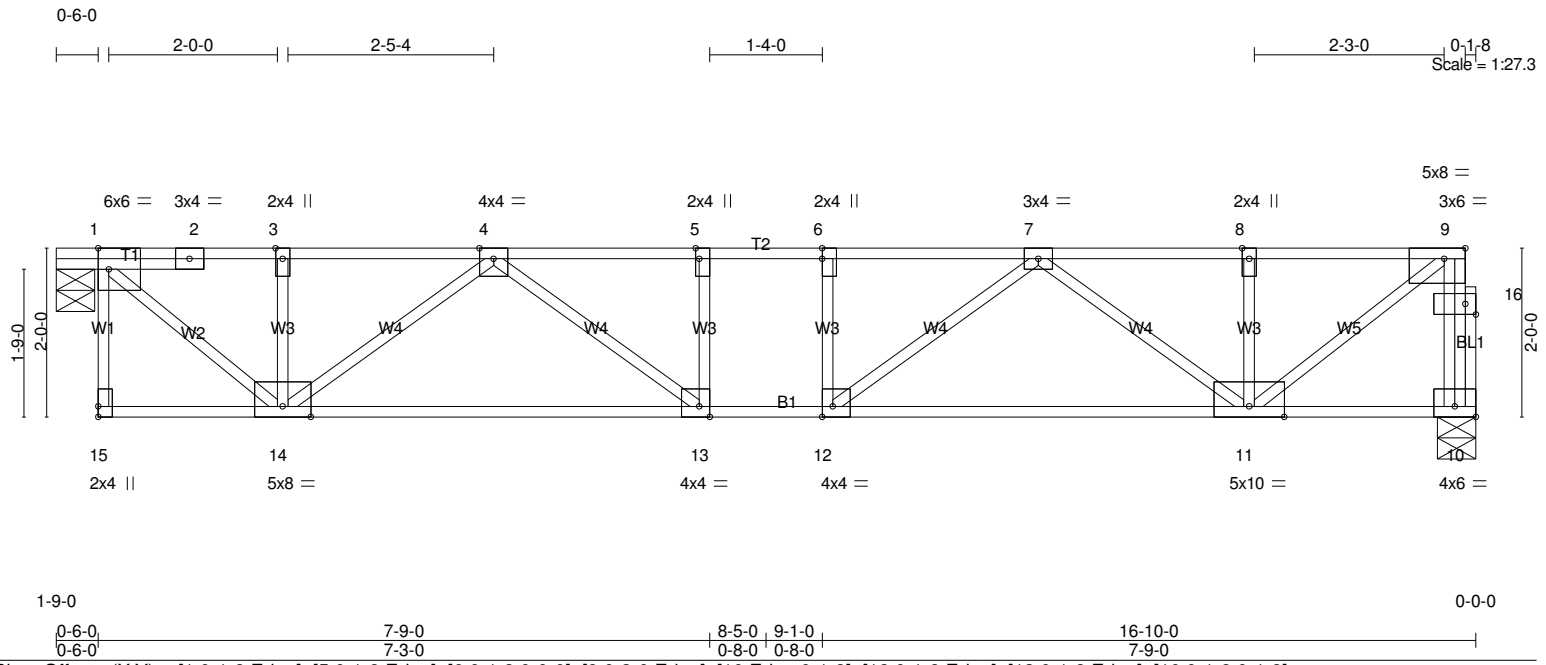

Plate Offsets (X,Y)-- [1:0-1-8,Edge], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [9:0-3-0,Edge], [10:Edge,0-1-8], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:0-1-8,0-1-8]

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	0.42	Vert(LL)	-0.15	11-12	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.27	11-12	>714	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 71 lb	FT = 0%F, 10%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 WW Stud(flat) *Except*
W2,W5: 2x4 SPF 1650F 1.5E(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) 10=1118/0-5-8 (min. 0-1-8), 1=1126/0-5-8 (min. 0-1-8)

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

TOP CHORD 10-16=-1108/0, 9-16=-1100/0, 1-2=-1154/0, 2-3=-1150/0, 3-4=-1150/0, 4-5=-2427/0, 5-6=-2427/0, 6-7=-2427/0, 7-8=-1325/0, 8-9=-1325/0
BOT CHORD 13-14=0/1997, 12-13=0/2427, 11-12=0/2085
WEBS 5-13=-260/0, 4-13=0/670, 4-14=-1059/0, 3-14=-259/0, 1-14=0/1511, 7-12=0/587, 7-11=-949/0, 8-11=-329/0, 9-11=0/1625

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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	G1	FLOOR	1	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403 — 8.520 s Sep 27 2021 MiTek Industries, Inc. Wed Nov 24 09:46:31 2021 Page 1
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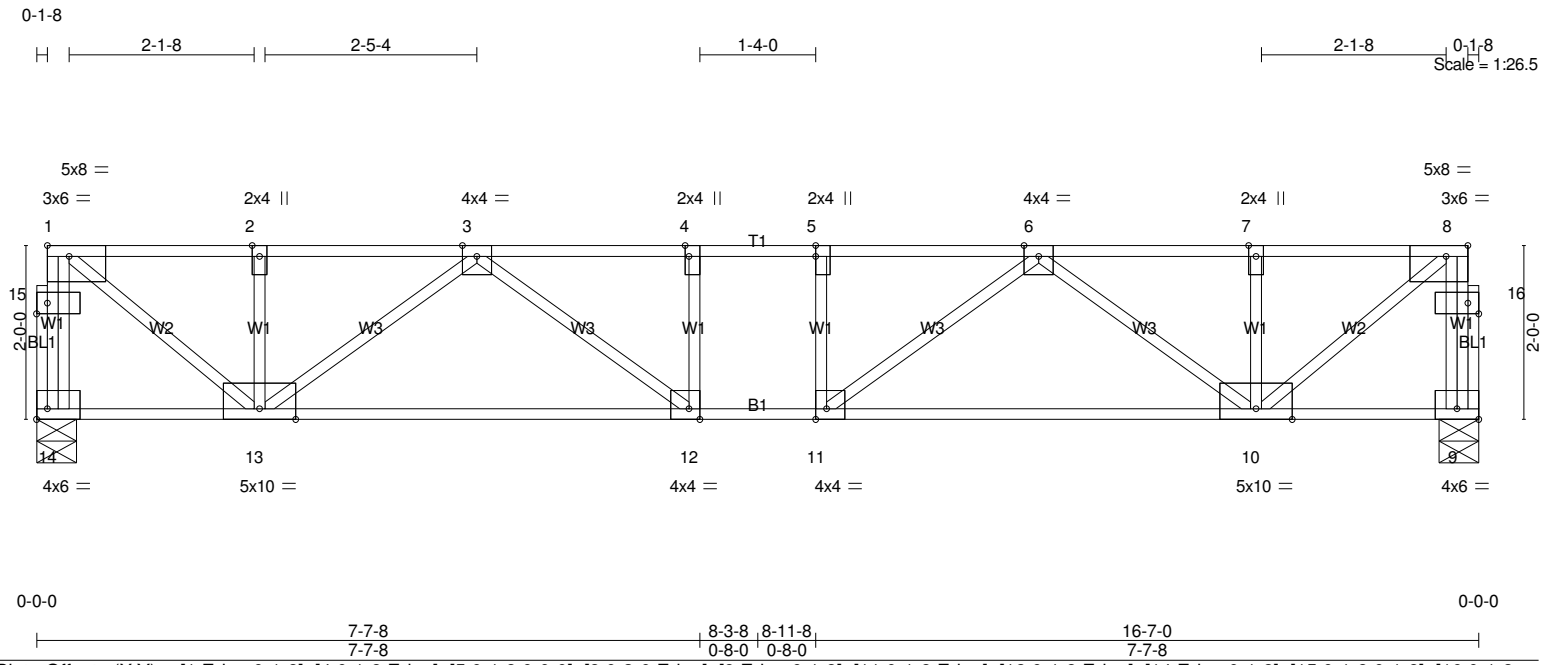

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [8:0-3-0,Edge], [9:Edge,0-1-8], [11:0-1-8,Edge], [12:0-1-8,Edge], [14:Edge,0-1-8], [15:0-1-8,0-1-8], [16:0-1-8,0-1-8]

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)	-0.14	12-13	>999	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.26	12-13	>757	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 72 lb	FT = 0%F, 10%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 WW Stud(flat) *Except*
W2: 2x4 SPF 1650F 1.5E(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) 14=1127/0-5-8 (min. 0-1-8), 9=1127/0-5-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-1118/0, 1-15=-1110/0, 9-16=-1118/0, 8-16=-1110/0, 1-2=-1281/0, 2-3=-1281/0, 3-4=-2466/0, 4-5=-2466/0, 5-6=-2466/0, 6-7=-1281/0, 7-8=-1281/0
BOT CHORD 12-13=0/2079, 11-12=0/2466, 10-11=0/2079
WEBS 3-12=0/632, 3-13=-997/0, 2-13=-320/0, 1-13=0/1601, 6-11=0/632, 6-10=-997/0, 7-10=-320/0, 8-10=0/1601

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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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	Brstina - River Queen - Floor Trusses
19305	H1	FLOOR	12	1	Job Reference (optional)

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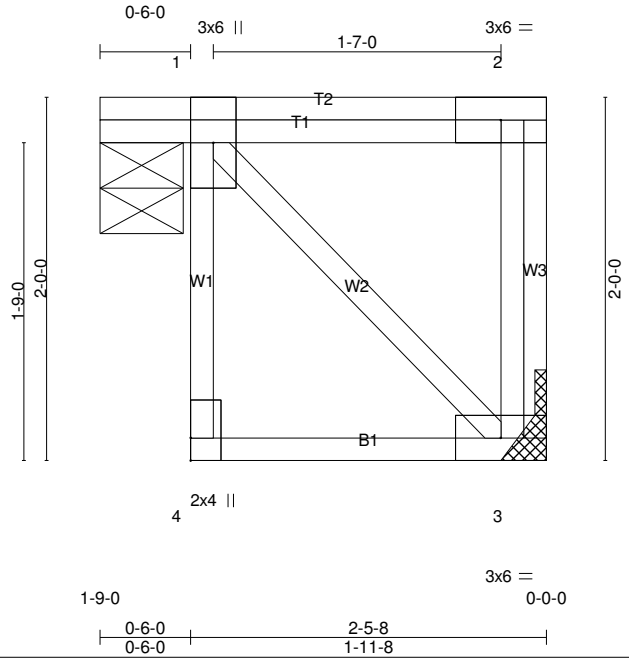

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	0.00	4	****	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	-0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 15 lb	FT = 0%F, 10%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 WW Stud(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=124/Mechanical, 1=124/0-5-8 (min. 0-1-8)

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

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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Brstina - River Queen - Floor Trusses
19305	H2	FLOOR	4	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403

8.520 s Sep 27 2021 MiTek Industries, Inc. Wed Nov 24 09:46:32 2021 Page 1

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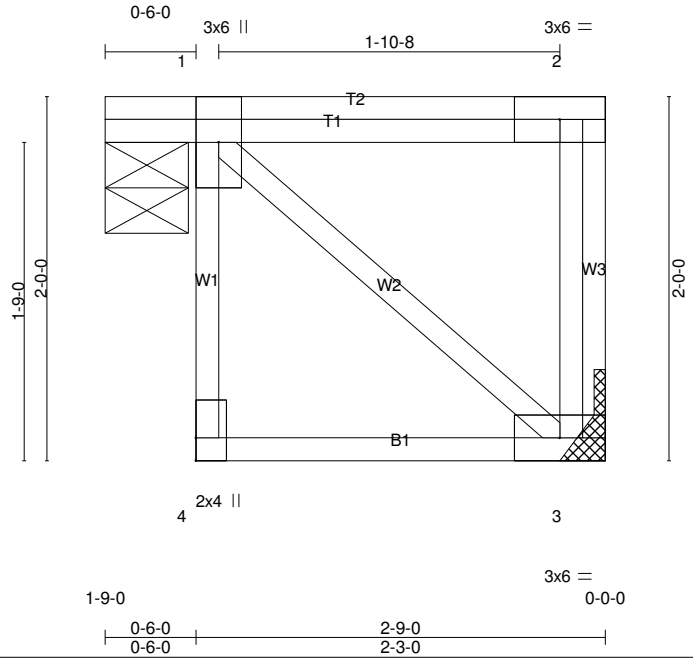

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	0.00	4	****	480	MT20	169/123
TCDL	20.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.01	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 16 lb	FT = 0%F, 10%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 WW Stud(flat)

BRACING-

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

REACTIONS. (lb/size) 3=144/Mechanical, 1=144/0-5-8 (min. 0-1-8)

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

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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard