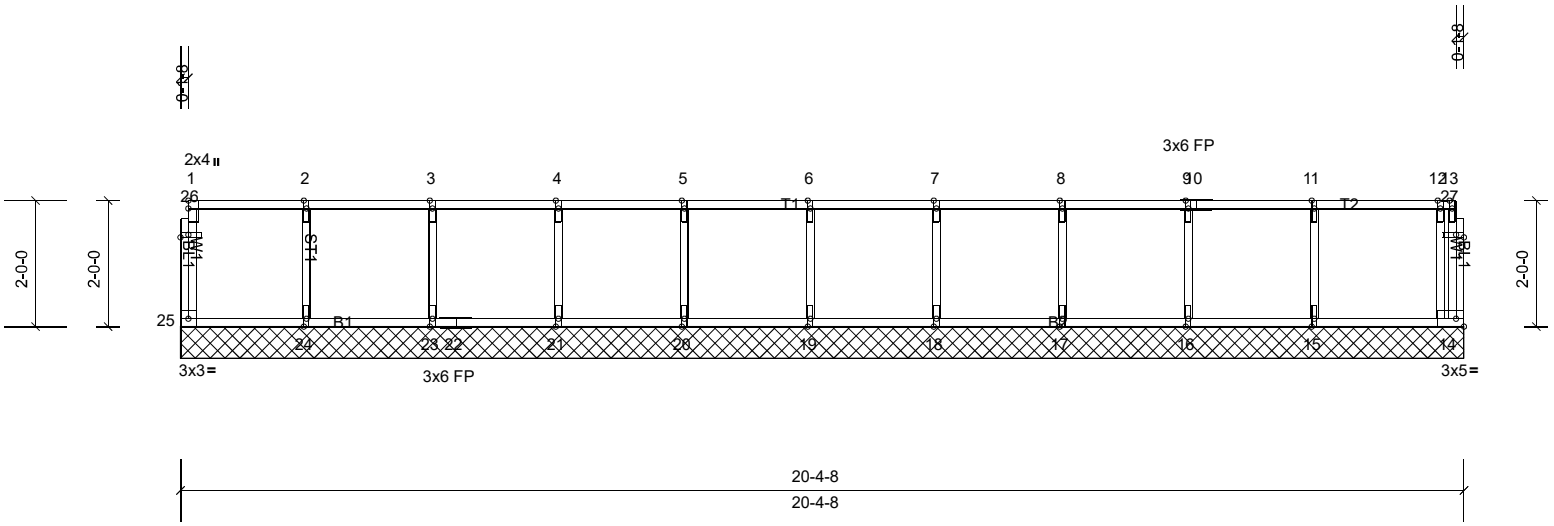
Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F1	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:36.6

Plate Offsets (X, Y): [26:0-1-8,0-0-8], [27:0-1-8,0-0-8]

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	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 96 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

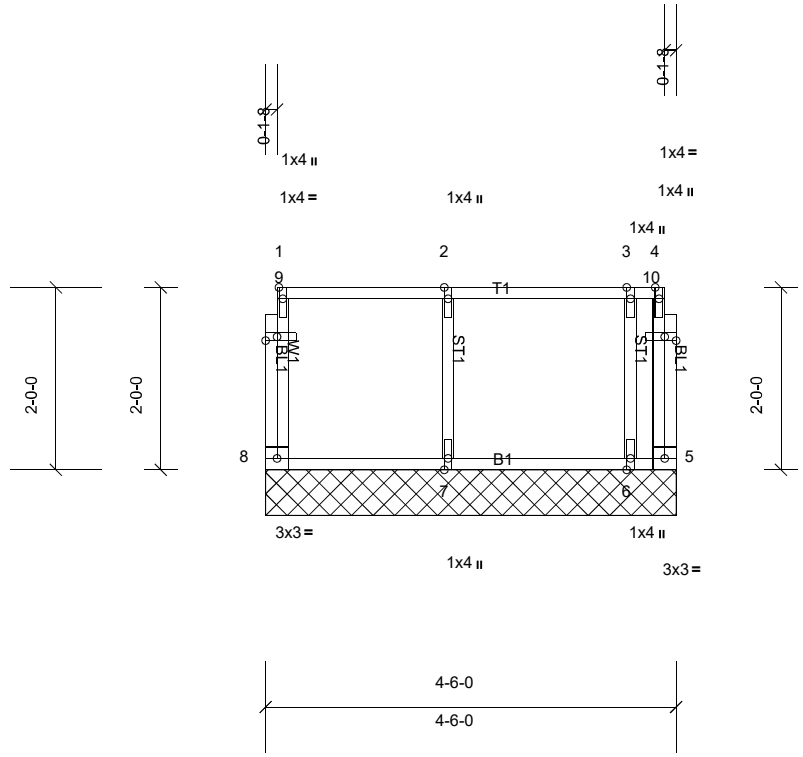
REACTIONS All bearings 20-4-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25

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

NOTES
1) All plates are 1x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F2	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:25.3

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

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	0.18	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	0.05	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 28 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 4-6-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 4-6-0.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 5
Max Grav All reactions 250 (lb) or less at joint(s) 5, 6, 7, 8

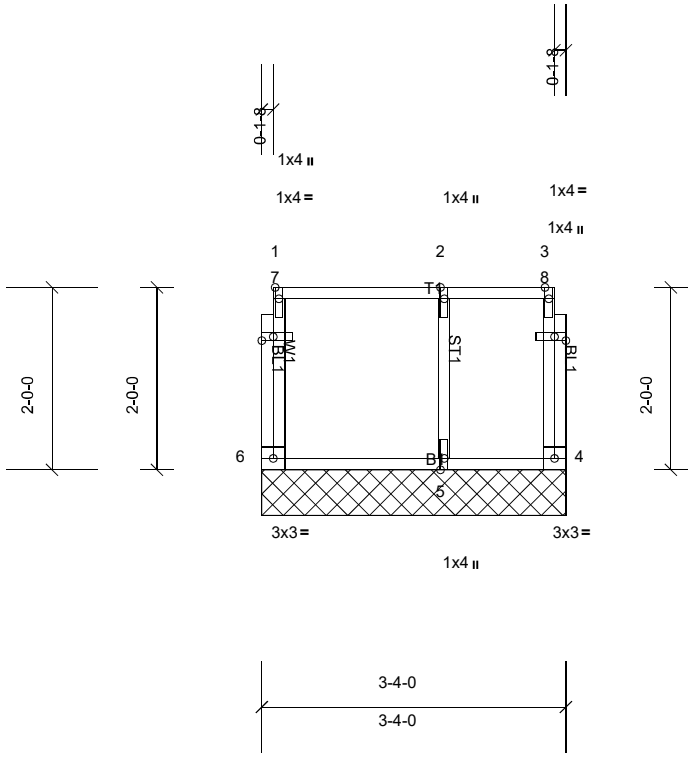
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) All plates are 1x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 5.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F3	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:25.3

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

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	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 22 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 3-4-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=56/3-4-0, (min. 0-1-8), 5=177/3-4-0, (min. 0-1-8), 6=94/3-4-0, (min. 0-1-8)

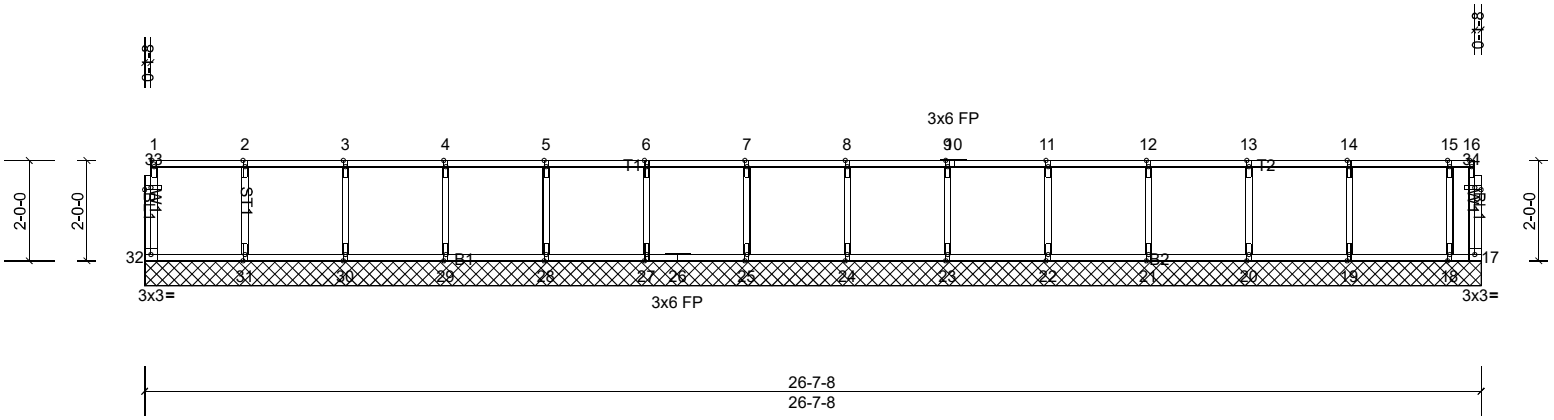
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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 2-0-0 oc.
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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	Weaver Smith Residence V2-Floor
Q-2001892-1	F4	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:45.9

Plate Offsets (X, Y): [33:0-1-8,0-0-8], [34:0-1-8,0-0-8]

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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.15	Horiz(TL)	0.00	17	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 123 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

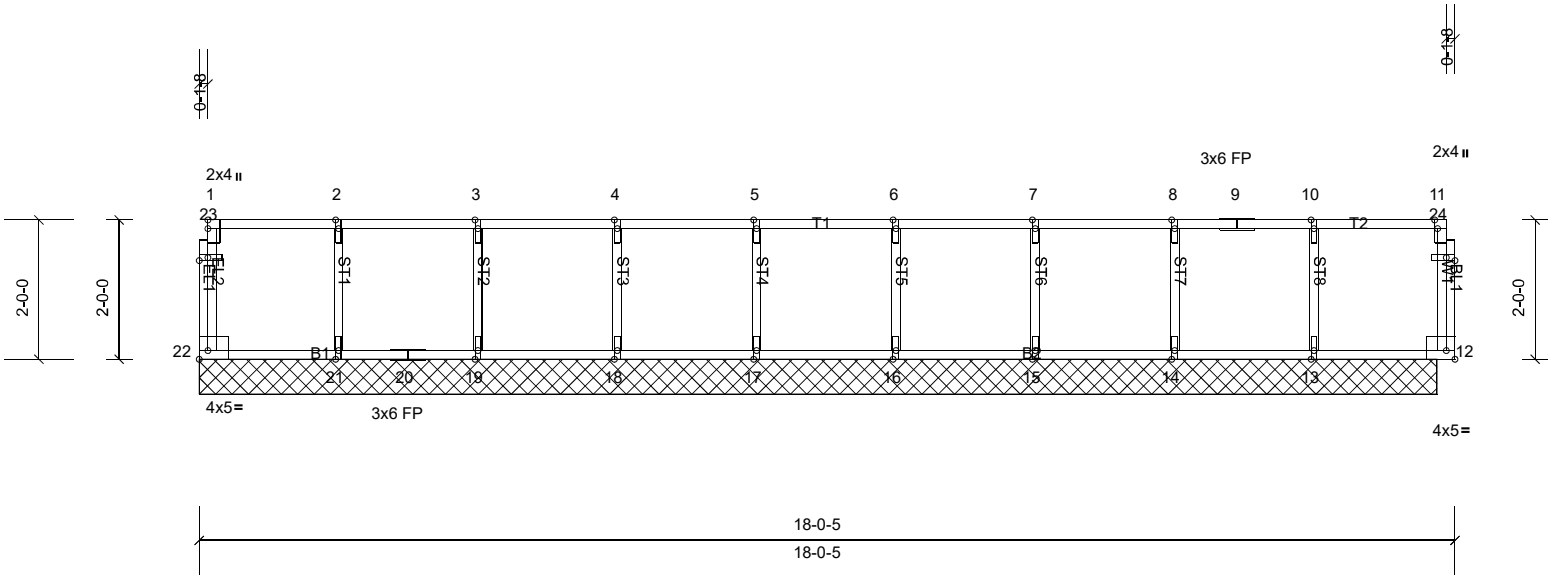
REACTIONS All bearings 26-7-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 30, 31, 32 except 17=373 (LC 1), 29=636 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-34=-375/0, 16-34=-374/0
WEBS 4-29=-615/0

NOTES
1) All plates are 1x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 17-32=-10, 1-16=-100
Concentrated Loads (lb)
Vert: 16=-417, 4=-417
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 17-32=-10, 1-16=-100
Concentrated Loads (lb)
Vert: 16=-417, 4=-417

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F5	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:33.1

Plate Offsets (X, Y): [11:0-1-8,Edge], [12:Edge,0-1-8], [22:Edge,0-1-8], [23:0-1-8,0-0-8], [24:0-1-8,0-0-8]

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	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.33	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	IBC2015/TPI2014	Matrix-R							Weight: 84 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 10-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 17-9-3.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 19, 22 except 13=372 (LC 1), 21=287 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 10-13=-275/0

NOTES
1) All plates are 1x4 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 2-0-0 oc.
4) Non Standard bearing condition. Review required.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F6	Floor	2	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Fri Aug 07 13:38:07 — Page: 1

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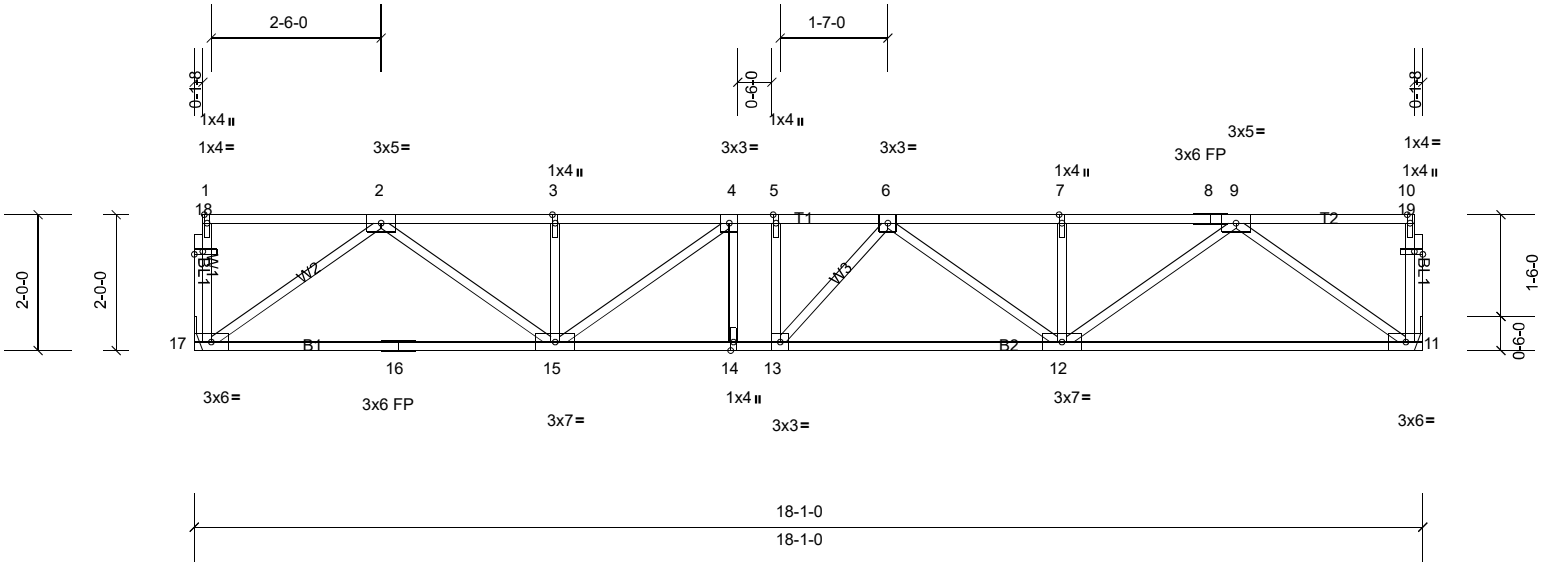


Scale = 1:33.9

Plate Offsets (X, Y): [18:0-1-8,0-0-8], [19:0-1-8,0-0-8]

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	0.39	Vert(LL)	-0.12	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.17	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 104 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS (lb/size) 11=975/ Mechanical, (min. 0-1-8), 17=975/ Mechanical, (min. 0-1-8)

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

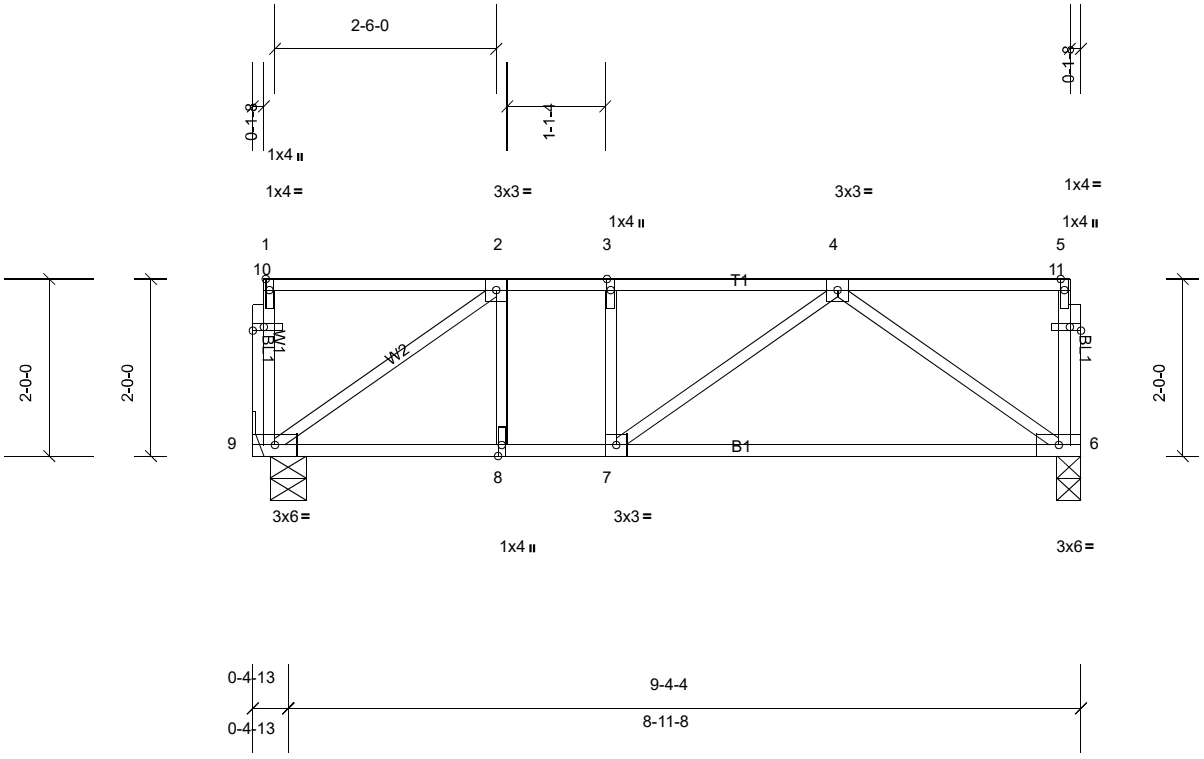
TOP CHORD	2-3=-1962/0, 3-4=-1962/0, 4-5=-2321/0, 5-6=-2321/0, 6-7=-1963/0, 7-8=-1963/0, 8-9=-1963/0
BOT CHORD	16-17=0/1194, 15-16=0/1194, 14-15=0/2321, 13-14=0/2321, 12-13=0/2310, 11-12=0/1195
WEBS	9-11=-1464/0, 2-17=-1463/0, 9-12=0/952, 2-15=0/952, 7-12=-251/0, 3-15=-273/0, 6-12=-430/0, 4-15=-549/0, 6-13=-211/269

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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	Weaver Smith Residence V2-Floor
Q-2001892-1	F7	Floor	1	1	Job Reference (optional)



Scale = 1:26

Plate Offsets (X, Y): [10:0-1-8,0-0-8], [11:0-1-8,0-0-8]

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	0.60	Vert(LL)	-0.11	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.20	6-7	>556	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 56 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS (lb/size) 6=495/0-3-4, (min. 0-1-8), 9=495/ Mechanical, (min. 0-1-8)

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

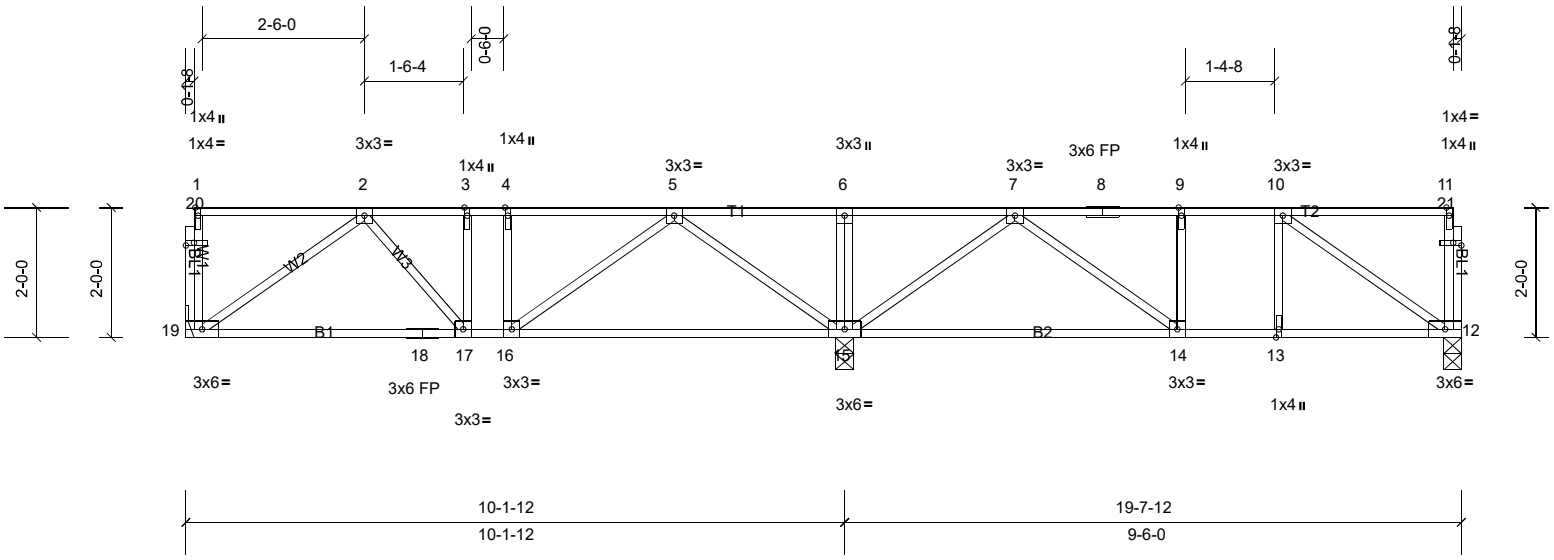
TOP CHORD	2-3=-583/0, 3-4=-583/0
BOT CHORD	8-9=0/583, 7-8=0/583, 6-7=0/527
WEBS	4-6=-643/0, 2-9=-707/0

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 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F8	Floor	2	1	Job Reference (optional)



Scale = 1:35.5

Plate Offsets (X, Y): [20:0-1-8,0-0-8], [21:0-1-8,0-0-8]

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)	0.04	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.30	Vert(CT)	-0.06	14-15	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	12	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 114 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 (lb/size) 12=388/0-3-4, (min. 0-1-8), 15=1301/0-3-8, (min. 0-1-8), 19=431/ Mechanical, (min. 0-1-8)
Max Grav 12=413 (LC 4), 15=1334 (LC 9), 19=507 (LC 10)

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

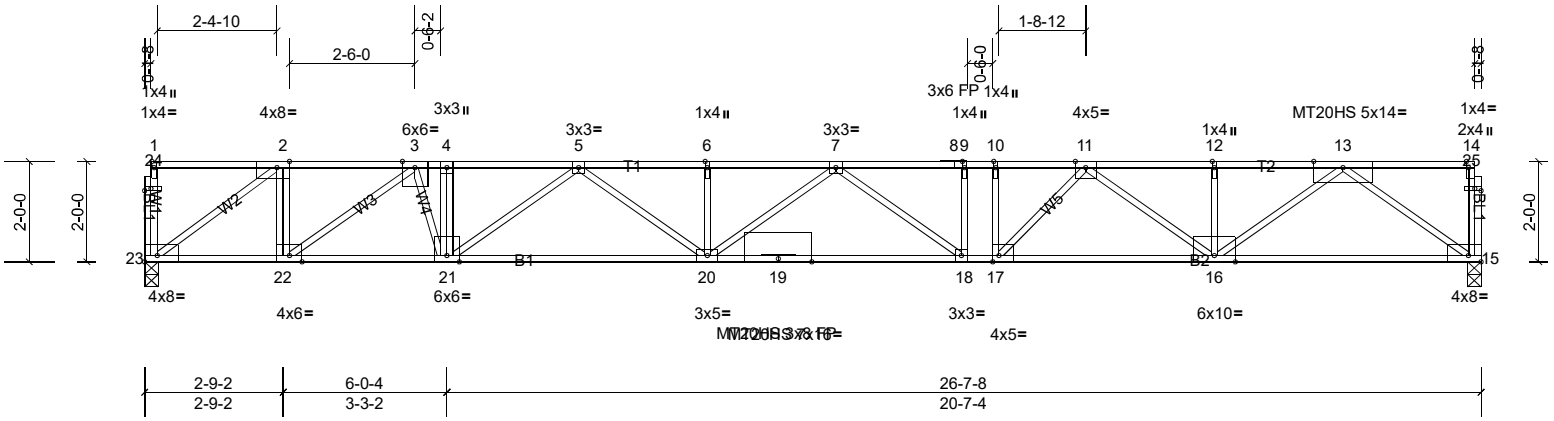
TOP CHORD	2-3=-654/9, 3-4=-654/9, 4-5=-654/9, 5-6=0/721, 6-7=0/721, 7-8=-434/0, 8-9=-434/0, 9-10=-434/0
BOT CHORD	18-19=0/544, 17-18=0/544, 16-17=-9/654, 15-16=-204/446, 13-14=0/434, 12-13=0/434
WEBS	6-15=-263/0, 5-15=-918/0, 2-19=-664/0, 5-16=0/459, 7-15=-821/0, 10-12=-525/0, 7-14=0/346

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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	Weaver Smith Residence V2-Floor
Q-2001892-1	F9	Floor	13	1	Job Reference (optional)



Scale = 1:45.9

Plate Offsets (X, Y): [2:0-3-0,Edge], [14:0-1-8,Edge], [15:Edge,0-1-8], [17:0-1-8,Edge], [23:Edge,0-1-8], [24:0-1-8,0-0-8], [25:0-1-8,0-0-8]

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	0.87	Vert(LL)	-0.54	18-20	>589	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.82	18-20	>387	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.15	15	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 157 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP DSS(flat)
BOT CHORD	2x4 SP DSS(flat)
WEBS	2x4 SP No.3(flat) *Except* W2:2x4 SP No.2(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-8-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 15=2503/0-3-4, (min. 0-1-11), 23=2120/0-3-4, (min. 0-1-8)

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

TOP CHORD	15-25=-971/0, 14-25=-971/0, 2-3=-2824/0, 3-4=-5695/0, 4-5=-5684/0, 5-6=-6599/0, 6-7=-6599/0, 7-8=-5830/0, 8-9=-5830/0, 9-10=-5830/0, 10-11=-5830/0, 11-12=-3815/0, 12-13=-3815/0
BOT CHORD	22-23=0/2824, 21-22=0/5164, 20-21=0/6339, 19-20=0/6445, 18-19=0/6445, 17-18=0/5830, 16-17=0/5071, 15-16=0/2143
WEBS	2-22=0/1703, 4-21=-1009/0, 2-23=-3462/0, 3-22=-2876/0, 3-21=0/1606, 5-21=-807/0, 13-15=-2594/0, 5-20=0/323, 13-16=0/2072, 12-16=-271/0, 7-20=0/425, 11-16=-1556/0, 7-18=-1025/0, 11-17=0/1251, 9-18=0/360, 10-17=-607/0

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 19 = 11%
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
5) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 15-23=-10, 1-14=-100
   Concentrated Loads (lb)
   Vert: 14=-867, 4=-867
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 15-23=-10, 1-14=-100
   Concentrated Loads (lb)
   Vert: 14=-867, 4=-867
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 15-23=-10, 1-10=-100, 10-14=-20
   Concentrated Loads (lb)
   Vert: 14=-867, 4=-867
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Continued on page 2

Uniform Loads (lb/ft)
Vert: 15-23=-10, 1-9=-20, 9-14=-100
Concentrated Loads (lb)
Vert: 14=-867, 4=-867

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 15-23=-10, 1-10=-100, 10-14=-20
Concentrated Loads (lb)
Vert: 14=-867, 4=-867

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 15-23=-10, 1-9=-20, 9-14=-100
Concentrated Loads (lb)
Vert: 14=-867, 4=-867

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F10	Floor	1	1	Job Reference (optional)

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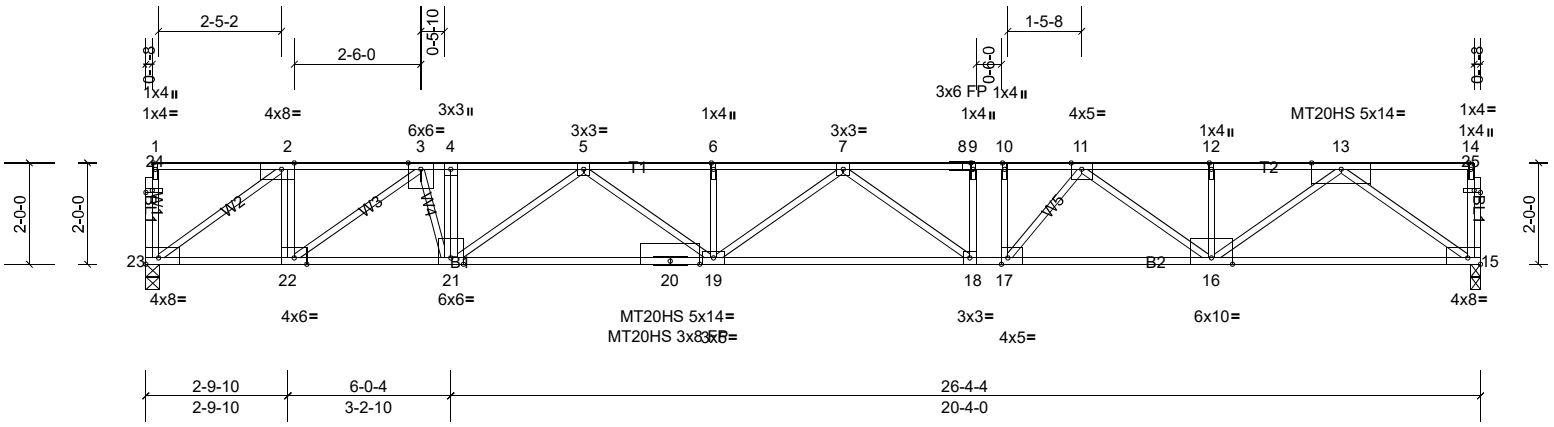

Scale = 1:45.5

Plate Offsets (X, Y): [2:0-3-0,Edge], [15:Edge,0-1-8], [17:0-1-8,Edge], [23:Edge,0-1-8], [24:0-1-8,0-0-8], [25:0-1-8,0-0-8]

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	0.81	Vert(LL)	-0.51	18-19	>614	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.77	18-19	>405	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.15	15	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 156 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP DSS(flat)
BOT CHORD	2x4 SP DSS(flat)
WEBS	2x4 SP No.3(flat) *Except* W2:2x4 SP No.2(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-0-6 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 15=1789/0-2-4, (min. 0-1-8), 23=2157/0-3-4, (min. 0-1-8)

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

TOP CHORD 15-25=-291/0, 14-25=-291/0, 2-3=-2919/0, 3-4=-5390/0, 4-5=-5381/0, 5-6=-6306/0, 6-7=-6306/0, 7-8=-5552/0, 8-9=-5552/0, 9-10=-5552/0, 10-11=-5552/0, 11-12=-3698/0, 12-13=-3698/0

BOT CHORD 22-23=0/2919, 21-22=0/4962, 20-21=0/6040, 19-20=0/6040, 18-19=0/6158, 17-18=0/5552, 16-17=0/4909, 15-16=0/2072

WEBS 2-22=0/1490, 4-21=-797/0, 2-23=-3559/0, 3-22=-2510/0, 3-21=0/1375, 5-21=-812/0, 13-15=-2535/0, 5-19=0/330, 13-16=0/2014, 12-16=-272/0, 7-19=0/407, 11-16=-1501/0, 7-18=-999/0, 11-17=0/1177, 9-18=0/357, 10-17=-628/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1x4 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 20 = 11%
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 15-23=-10, 1-14=-100
   Concentrated Loads (lb)
   Vert: 14=-187, 2=-246, 4=-654
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 15-23=-10, 1-14=-100
   Concentrated Loads (lb)
   Vert: 14=-187, 2=-246, 4=-654
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 15-23=-10, 1-10=-100, 10-14=-20
   Concentrated Loads (lb)

Continued on page 2

Vert: 14=-187, 2=-246, 4=-654

4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 15-23=-10, 1-9=-20, 9-14=-100
Concentrated Loads (lb)
Vert: 14=-187, 2=-246, 4=-654

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 15-23=-10, 1-10=-100, 10-14=-20
Concentrated Loads (lb)
Vert: 14=-187, 2=-246, 4=-654

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 15-23=-10, 1-9=-20, 9-14=-100
Concentrated Loads (lb)
Vert: 14=-187, 2=-246, 4=-654

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F11	Floor	8	1	Job Reference (optional)

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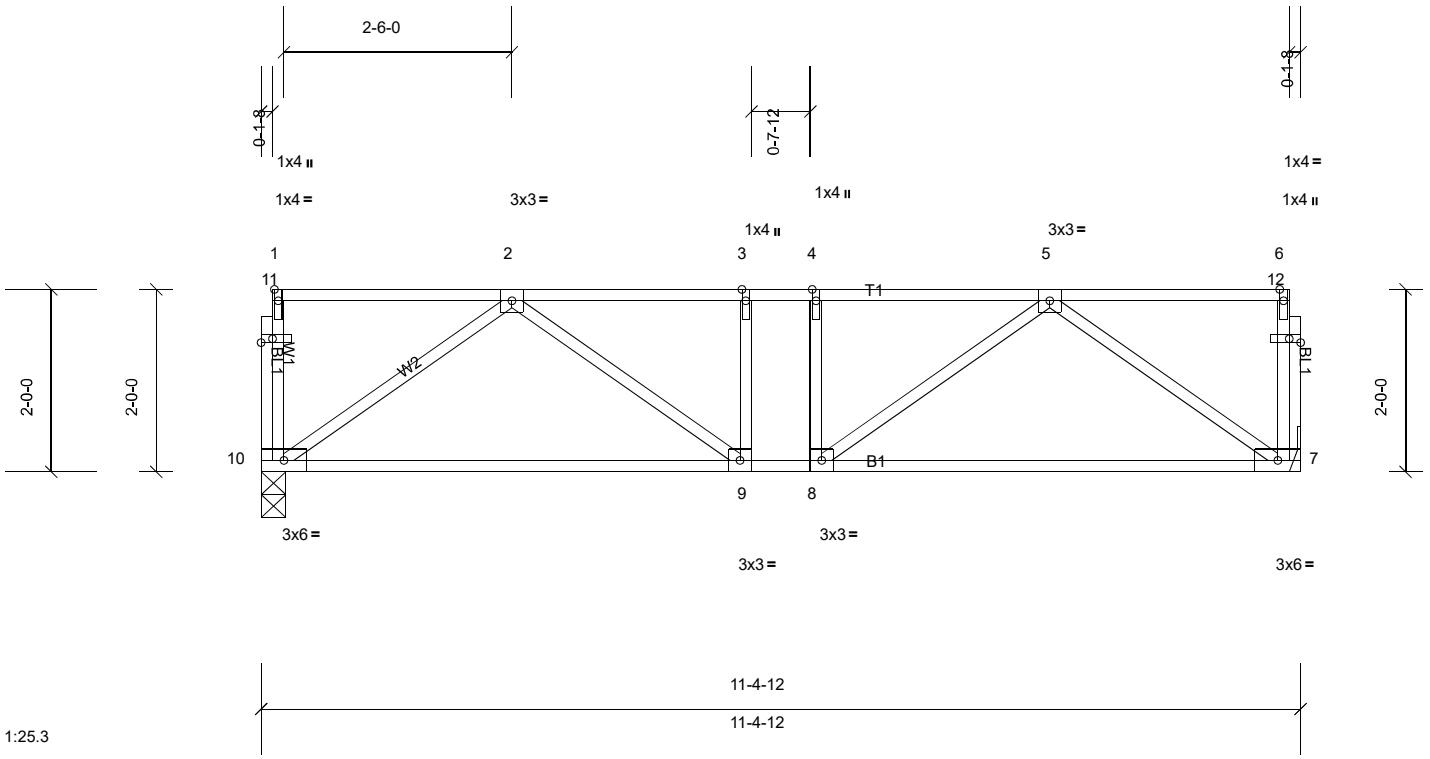


Scale = 1:25.3

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

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	0.52	Vert(LL)	-0.07	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.15	7-8	>880	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 67 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS (lb/size) 7=704/ Mechanical, (min. 0-1-8), 10=691/0-3-4, (min. 0-1-8)

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

TOP CHORD	2-3=-1187/0, 3-4=-1187/0, 4-5=-1187/0
BOT CHORD	9-10=0/801, 8-9=0/1187, 7-8=0/819
WEBS	5-7=-1003/0, 2-10=-981/0, 5-8=0/500, 2-9=0/522, 4-8=-263/0

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 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
4) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-6=-100
   Concentrated Loads (lb)
   Vert: 4=-182
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-6=-100
   Concentrated Loads (lb)
   Vert: 4=-182
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-4=-100, 4-6=-20
   Concentrated Loads (lb)
   Vert: 4=-182
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-3=-20, 3-6=-100
   Concentrated Loads (lb)

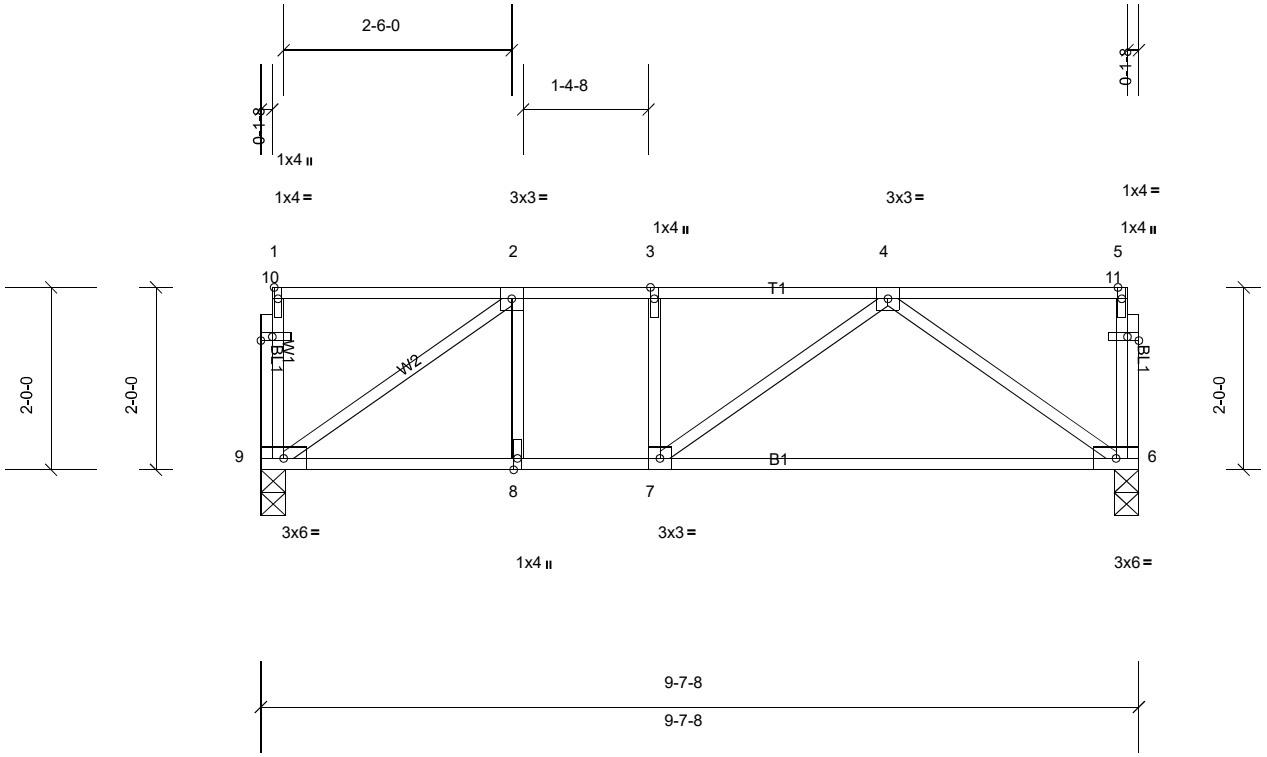
Continued on page 2

Vert: 4=-182

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 7-10=-10, 1-4=-100, 4-6=-20
Concentrated Loads (lb)
Vert: 4=-182

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 7-10=-10, 1-3=-20, 3-6=-100
Concentrated Loads (lb)
Vert: 4=-182

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F12	Floor	9	1	Job Reference (optional)



Scale = 1:25.3

Plate Offsets (X, Y): [10:0-1-8,0-0-8], [11:0-1-8,0-0-8]

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	0.68	Vert(LL)	-0.14	6-7	>827	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.23	6-7	>480	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 57 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS (lb/size) 6=509/0-3-4, (min. 0-1-8), 9=509/0-3-4, (min. 0-1-8)

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

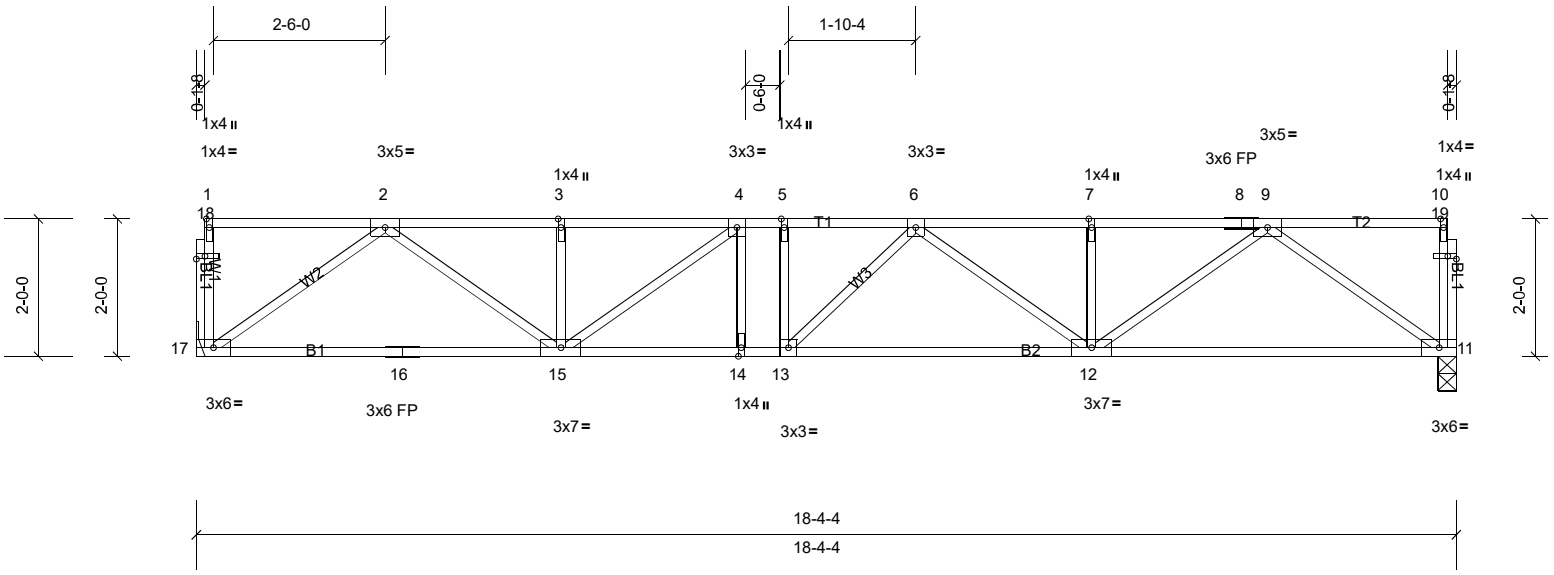
TOP CHORD	2-3=-614/0, 3-4=-614/0
BOT CHORD	8-9=0/614, 7-8=0/614, 6-7=0/547
WEBS	4-6=-668/0, 2-9=-745/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F13	Floor	8	1	Job Reference (optional)



Scale = 1:33.6

Plate Offsets (X, Y): [18:0-1-8,0-0-8], [19:0-1-8,0-0-8]

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	0.39	Vert(LL)	-0.13	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.19	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 106 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS (lb/size) 11=989/0-3-4, (min. 0-1-8), 17=989/ Mechanical, (min. 0-1-8)

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

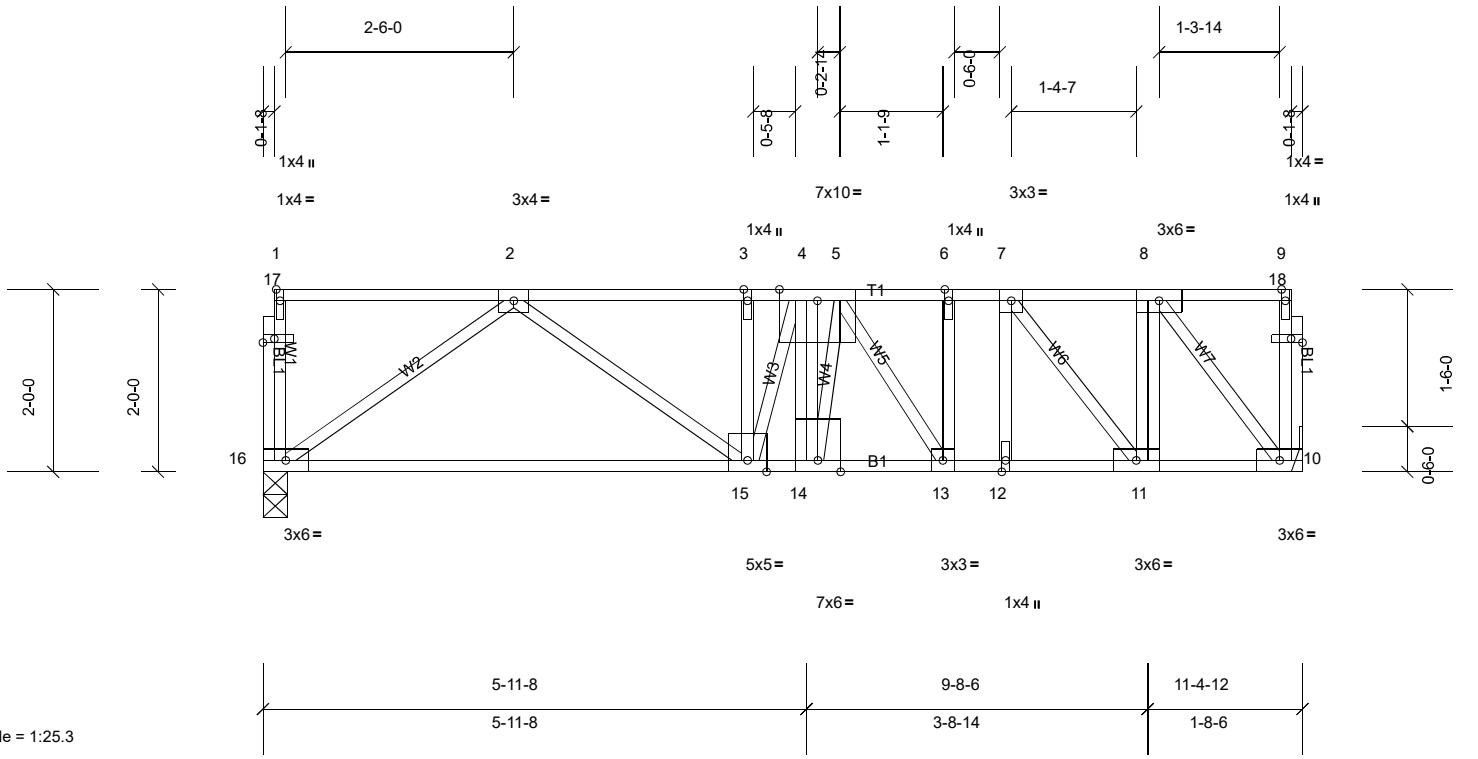
TOP CHORD	2-3=-2002/0, 3-4=-2002/0, 4-5=-2389/0, 5-6=-2389/0, 6-7=-2004/0, 7-8=-2004/0, 8-9=-2004/0
BOT CHORD	16-17=0/1215, 15-16=0/1215, 14-15=0/2389, 13-14=0/2389, 12-13=0/2372, 11-12=0/1216
WEBS	9-11=-1490/0, 2-17=-1489/0, 9-12=0/976, 2-15=0/975, 3-15=-272/0, 6-12=-456/0, 4-15=-581/0, 6-13=-211/279

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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	Weaver Smith Residence V2-Floor
Q-2001892-1	F14	Floor	1	1	Job Reference (optional)



Scale = 1:25.3

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

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	0.65	Vert(LL)	-0.05	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.10	15-16	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.02	10	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 86 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	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 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=921/ Mechanical, (min. 0-1-8), 16=893/0-3-4, (min. 0-1-8)

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

TOP CHORD	2-3=-1729/0, 3-4=-1729/0, 4-5=-1796/0, 5-6=-1350/0, 6-7=-1350/0, 7-8=-698/0
BOT CHORD	15-16=0/1083, 14-15=0/1796, 13-14=0/1749, 12-13=0/1350, 11-12=0/1350, 10-11=0/698
WEBS	8-11=0/724, 2-16=-1326/0, 2-15=0/801, 4-15=-291/0, 7-11=-1021/0, 5-14=0/276, 5-13=-805/0, 6-13=0/317, 7-12=0/379, 8-10=-1082/0

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 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
4) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 10-16=-10, 1-9=-100
   Concentrated Loads (lb)
   Vert: 4=-600
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 10-16=-10, 1-9=-100
   Concentrated Loads (lb)
   Vert: 4=-600
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 10-16=-10, 1-7=-100, 7-9=-20
   Concentrated Loads (lb)
   Vert: 4=-600
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 10-16=-10, 1-6=-20, 6-9=-100

Continued on page 2

Concentrated Loads (lb)
Vert: 4=-600

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 10-16=-10, 1-7=-100, 7-9=-20
Concentrated Loads (lb)
Vert: 4=-600

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 10-16=-10, 1-6=-20, 6-9=-100
Concentrated Loads (lb)
Vert: 4=-600

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F15	Floor	8	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Fri Aug 07 13:38:09 — Page: 1

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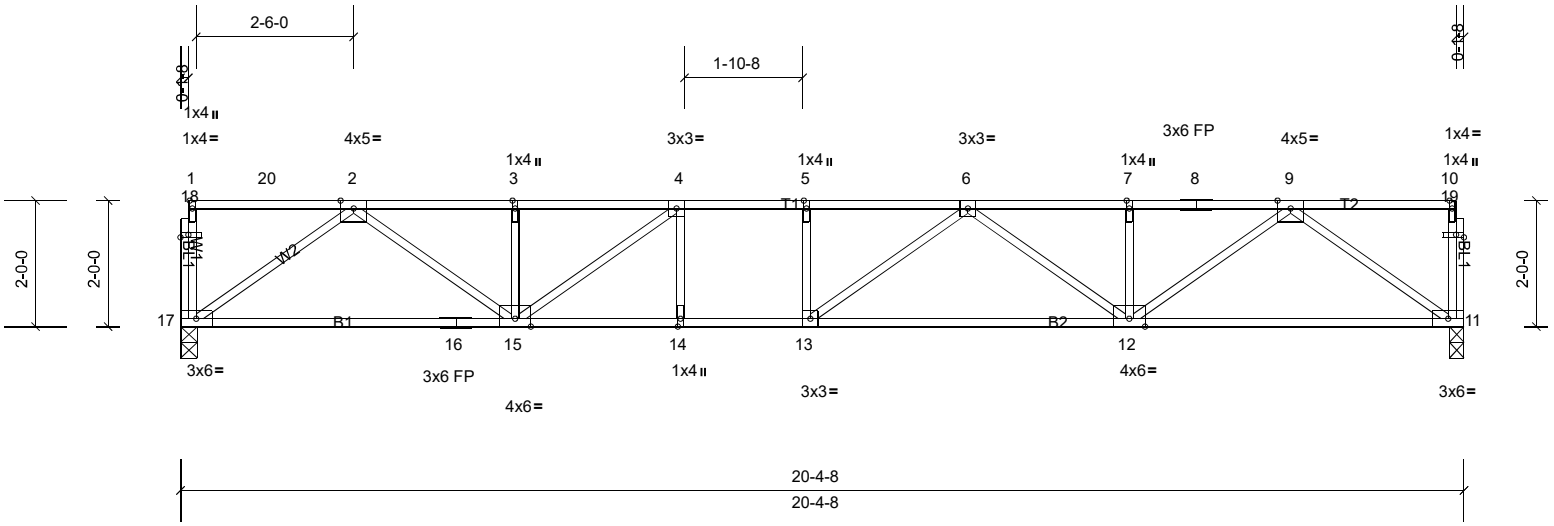

Scale = 1:36.6

Plate Offsets (X, Y): [18:0-1-8,0-0-8], [19:0-1-8,0-0-8]

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	0.93	Vert(LL)	-0.35	12-13	>697	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.47	12-13	>519	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 112 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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 11=1101/0-2-12, (min. 0-1-8), 17=1104/0-3-4, (min. 0-1-8)

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

TOP CHORD	2-3=-2298/0, 3-4=-2298/0, 4-5=-2923/0, 5-6=-2923/0, 6-7=-2315/0, 7-8=-2315/0, 8-9=-2315/0
BOT CHORD	16-17=0/1373, 15-16=0/1373, 14-15=0/2923, 13-14=0/2923, 12-13=0/2835, 11-12=0/1377
WEBS	9-11=-1688/0, 2-17=-1683/0, 9-12=0/1163, 2-15=0/1146, 3-15=-280/45, 6-12=-644/0, 4-15=-924/0, 6-13=-175/447

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
5) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 11-17=-10, 1-10=-100
   Concentrated Loads (lb)
   Vert: 20=-3
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 11-17=-10, 1-10=-100
   Concentrated Loads (lb)
   Vert: 20=-3
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 11-17=-10, 1-5=-100, 5-10=-20
   Concentrated Loads (lb)
   Vert: 20=-3
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 11-17=-10, 1-4=-20, 4-10=-100

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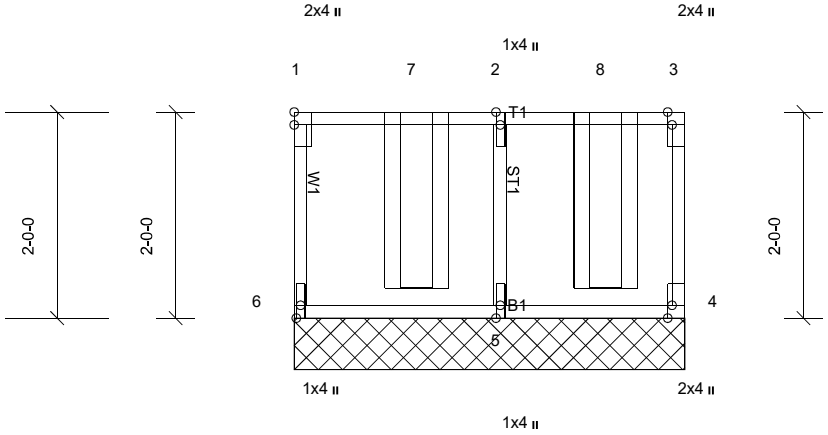
Concentrated Loads (lb)
Vert: 20=-3

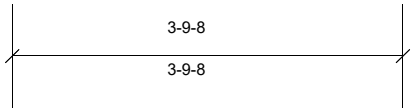
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 11-17=-10, 1-5=-100, 5-10=-20
Concentrated Loads (lb)
Vert: 20=-3

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 11-17=-10, 1-4=-20, 4-10=-100
Concentrated Loads (lb)
Vert: 20=-3

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F16	Floor Girder	1	1	Job Reference (optional)

MSH426 MSH426





Scale = 1:22.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.92	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	NO	WB	0.17	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							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 3-9-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=299/3-9-8, (min. 0-1-8), 5=694/3-9-8, (min. 0-1-8), 6=238/3-9-8, (min. 0-1-8)

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

TOP CHORD	3-4=-278/0
WEBS	2-5=-700/0

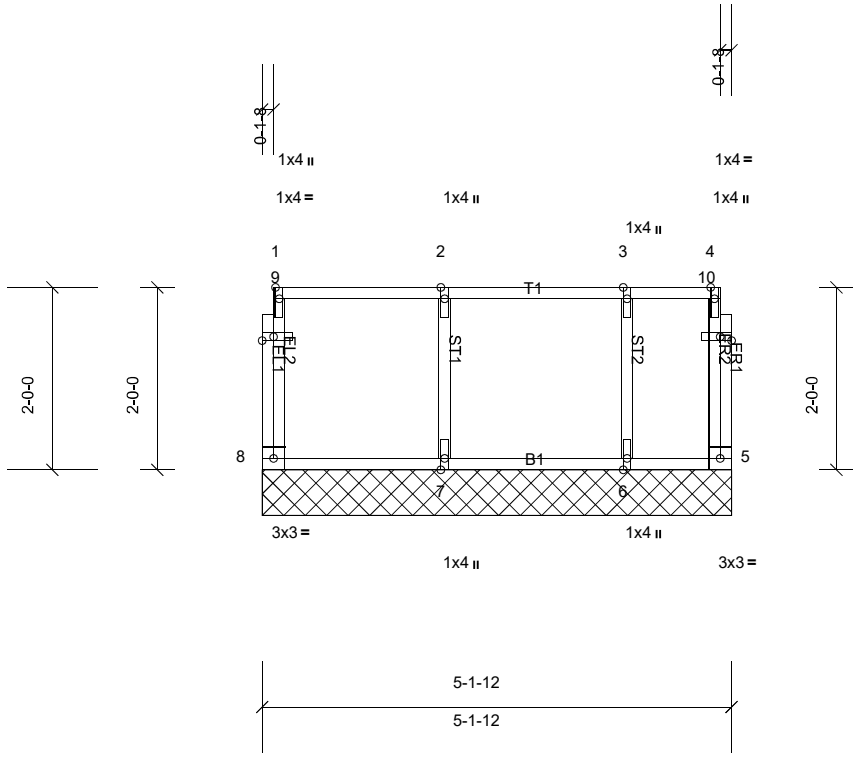
NOTES

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 2-0-0 oc.
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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) Use USP MSH426 (With 16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 1-10-0 oc max. starting at 1-2-4 from the left end to 3-0-4 to connect truss(es) F8 (1 ply 2x4 SP) to back face of top chord.
7) Fill all nail holes where hanger is in contact with lumber.
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 (lb/ft)
   Vert: 4-6=-10, 1-3=-100
   Concentrated Loads (lb)
   Vert: 7=-407 (B), 8=-421 (B)

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F17	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:25.3

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

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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 30 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 5-1-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 5-1-12.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 5, 6, 7, 8

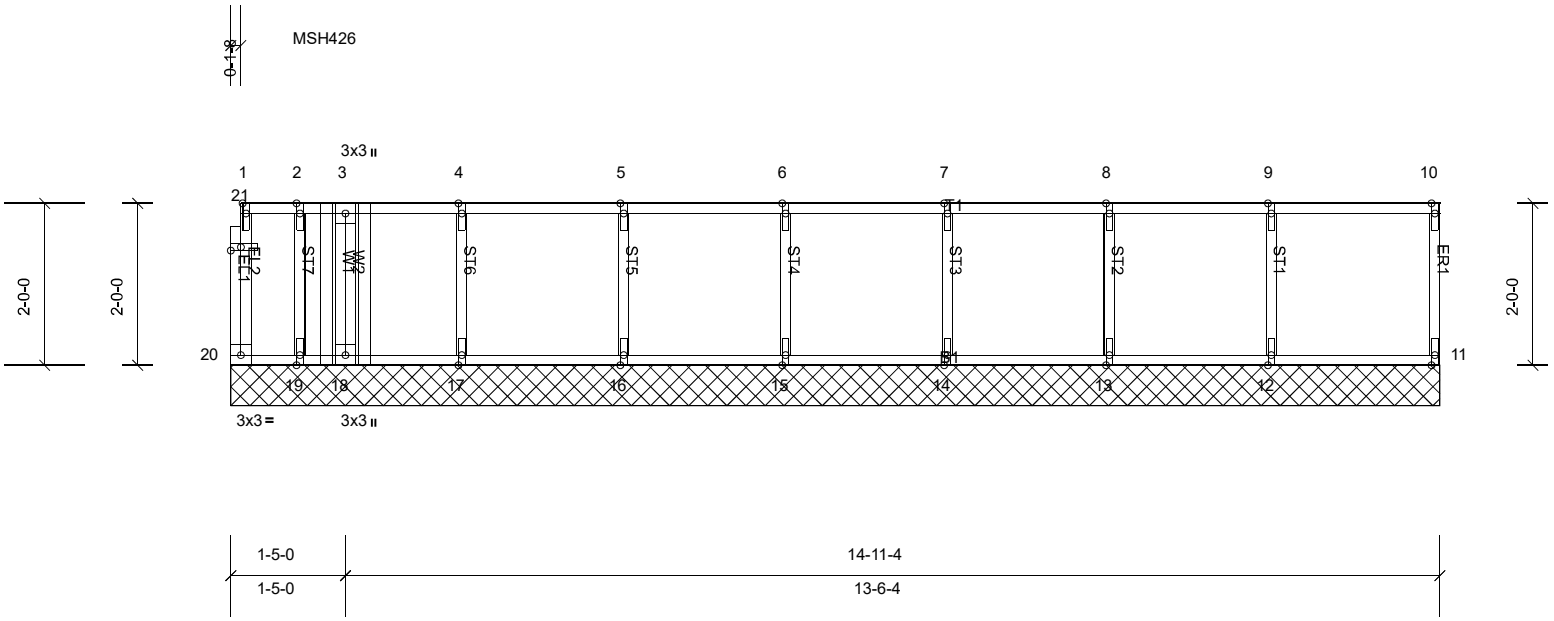
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) All plates are 1x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F18	Floor Girder	1	1	Job Reference (optional)



Scale = 1:28.5

Plate Offsets (X, Y): [21:0-1-8,0-0-8]

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	0.22	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	NO	WB	0.14	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 75 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

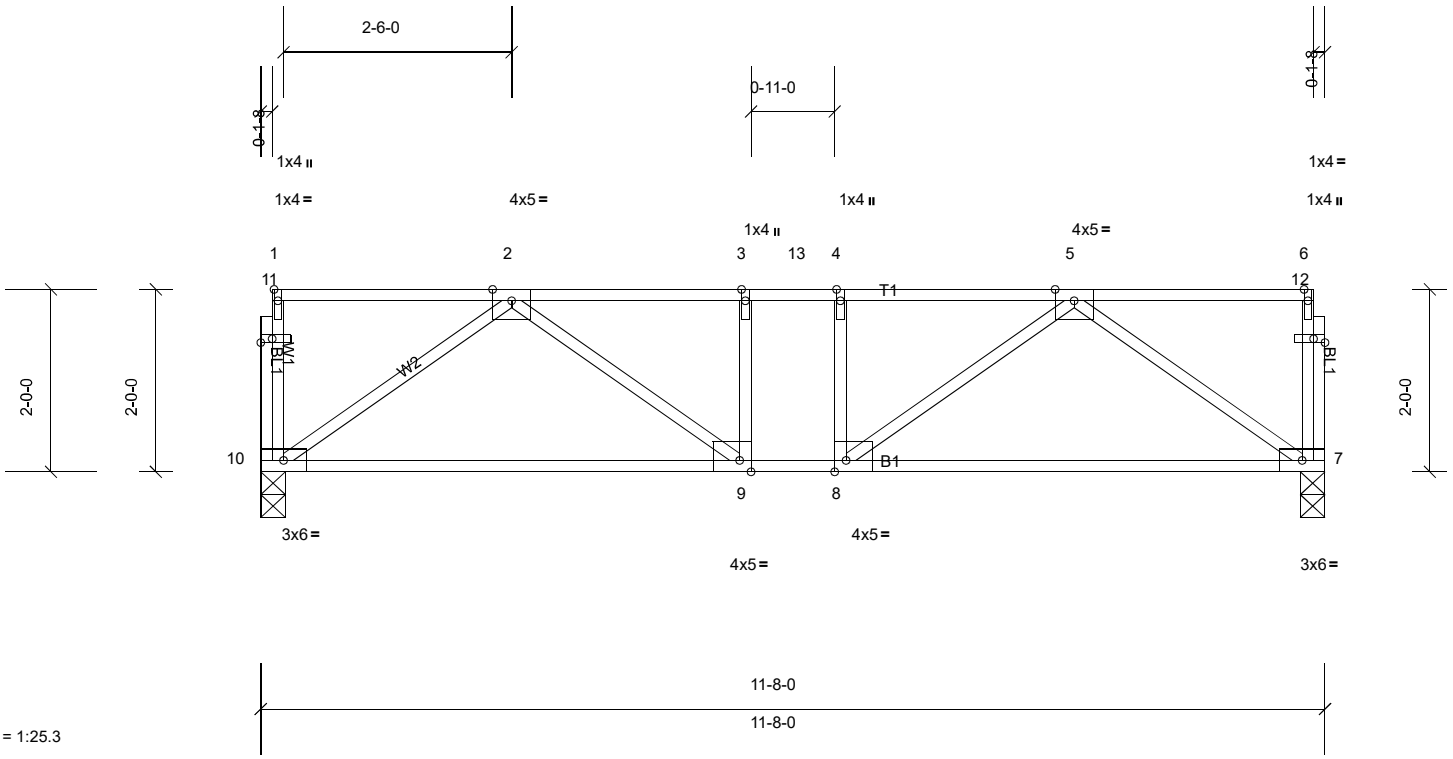
REACTIONS All bearings 14-11-4.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 19, 20 except 18=1276 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-18=-1260/0

NOTES
1) All plates are 1x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
9) Use USP MSH426 (With 16d nails into Girder & 6-16d nails into Truss) or equivalent at 1-5-0 from the left end to connect truss(es) F21 (1 ply 2x4 SP) to back face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
10) Fill all nail holes where hanger is in contact with lumber.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 11-20=-10, 1-10=-100
Concentrated Loads (lb)
Vert: 3=-1187 (B=-919)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 11-20=-10, 1-10=-100
Concentrated Loads (lb)
Vert: 3=-1187 (B=-919)

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F19	Floor	6	1	Job Reference (optional)



Scale = 1:25.3

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

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	1.00	Vert(LL)	-0.11	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.21	7-8	>661	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.03	7	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 68 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 1-7-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=1082/0-3-4, (min. 0-1-8), 10=1062/0-3-4, (min. 0-1-8)

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

TOP CHORD	2-3=-2241/0, 3-13=-2241/0, 4-13=-2241/0, 4-5=-2241/0
BOT CHORD	9-10=0/1313, 8-9=0/2241, 7-8=0/1341
WEBS	5-7=-1644/0, 2-10=-1609/0, 5-8=0/1166, 2-9=0/1201, 3-9=-609/0, 4-8=-659/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.

LOAD CASE(S) Standard

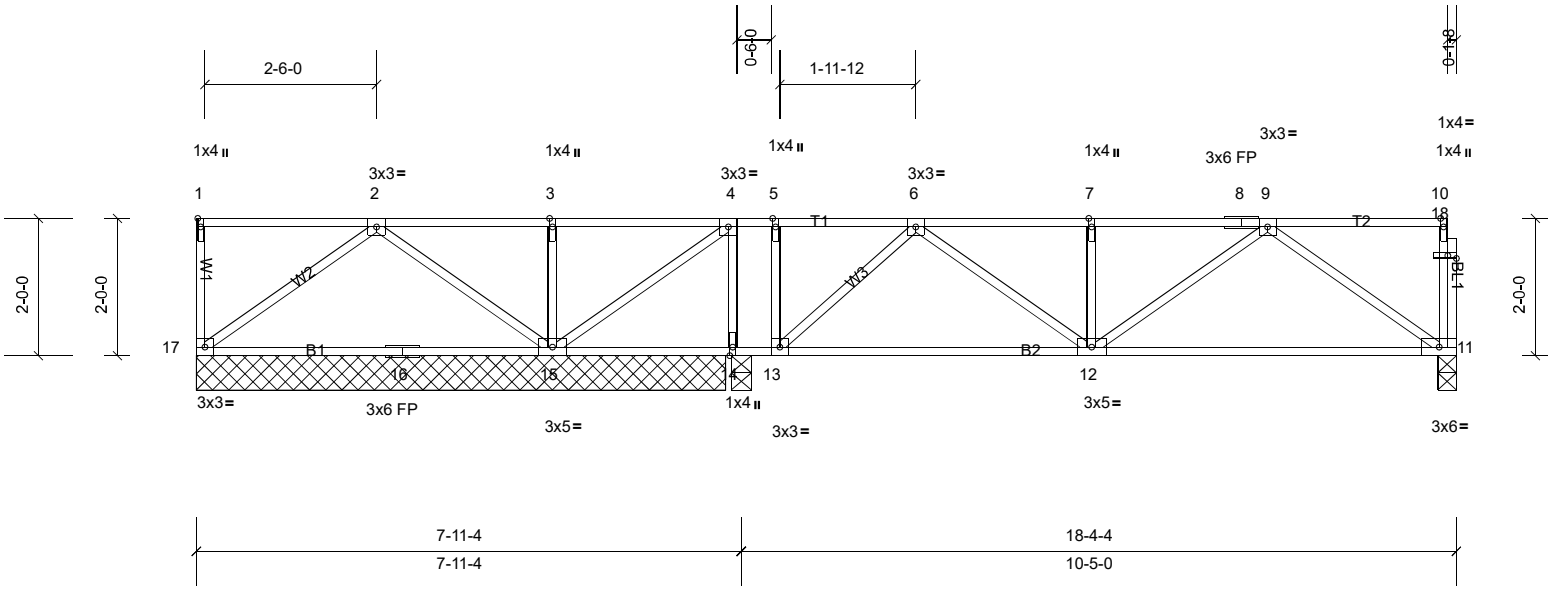
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-6=-100
   Concentrated Loads (lb)
   Vert: 13=-900
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-6=-100
   Concentrated Loads (lb)
   Vert: 13=-900
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-4=-100, 4-6=-20
   Concentrated Loads (lb)
   Vert: 13=-900
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-3=-20, 3-6=-100
   Concentrated Loads (lb)
   Vert: 13=-900

Continued on page 2

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 7-10=-10, 1-4=-100, 4-6=-20
Concentrated Loads (lb)
Vert: 13=-900

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 7-10=-10, 1-3=-20, 3-6=-100
Concentrated Loads (lb)
Vert: 13=-900

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F20	Floor Girder	1	1	Job Reference (optional)



Scale = 1:33.6

Plate Offsets (X, Y): [18:0-1-8,0-0-8]

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	0.82	Vert(LL)	-0.11	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.16	12-13	>784	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 104 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS All bearings 7-8-8. except 11=0-3-4, 14=0-3-8
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) except 11=583 (LC 5), 14=682 (LC 4), 15=512 (LC 11), 17=280 (LC 5)

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

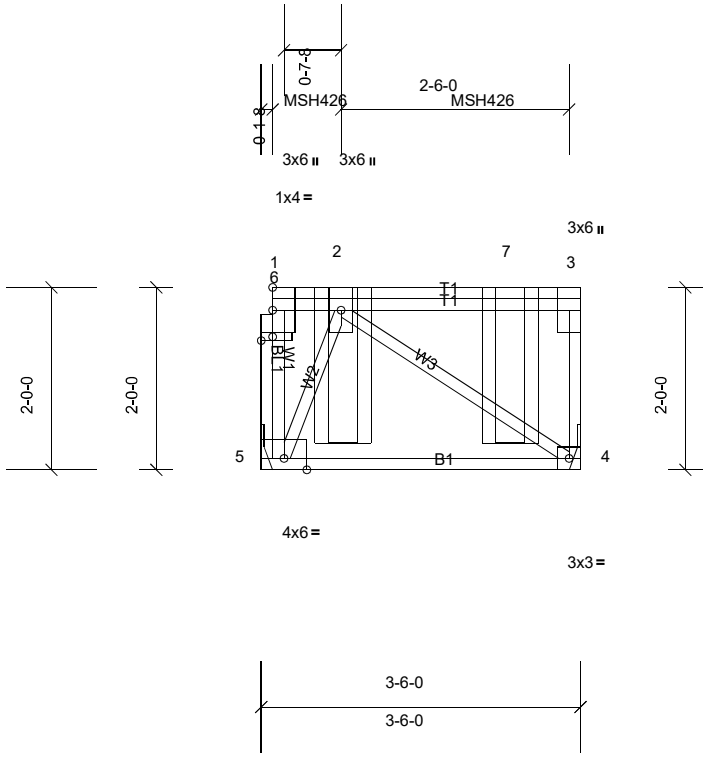
TOP CHORD	6-7=-883/0, 7-8=-883/0, 8-9=-883/0
BOT CHORD	12-13=0/692, 11-12=0/651
WEBS	9-11=-796/0, 2-17=-269/0, 9-12=0/287, 2-15=-279/0, 6-12=0/253, 6-13=-691/0, 4-14=-458/0, 5-13=0/291

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F21	Floor Girder	1	1	Job Reference (optional)



Scale = 1:25.3

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

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	0.74	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-P							Weight: 29 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 3-6-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=1019/ Mechanical, (min. 0-1-8), 5=992/ Mechanical, (min. 0-1-8)

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

TOP CHORD	5-6=0/305, 1-6=0/304, 3-4=-635/0
BOT CHORD	4-5=0/519
WEBS	2-4=-636/0, 2-5=-1385/0

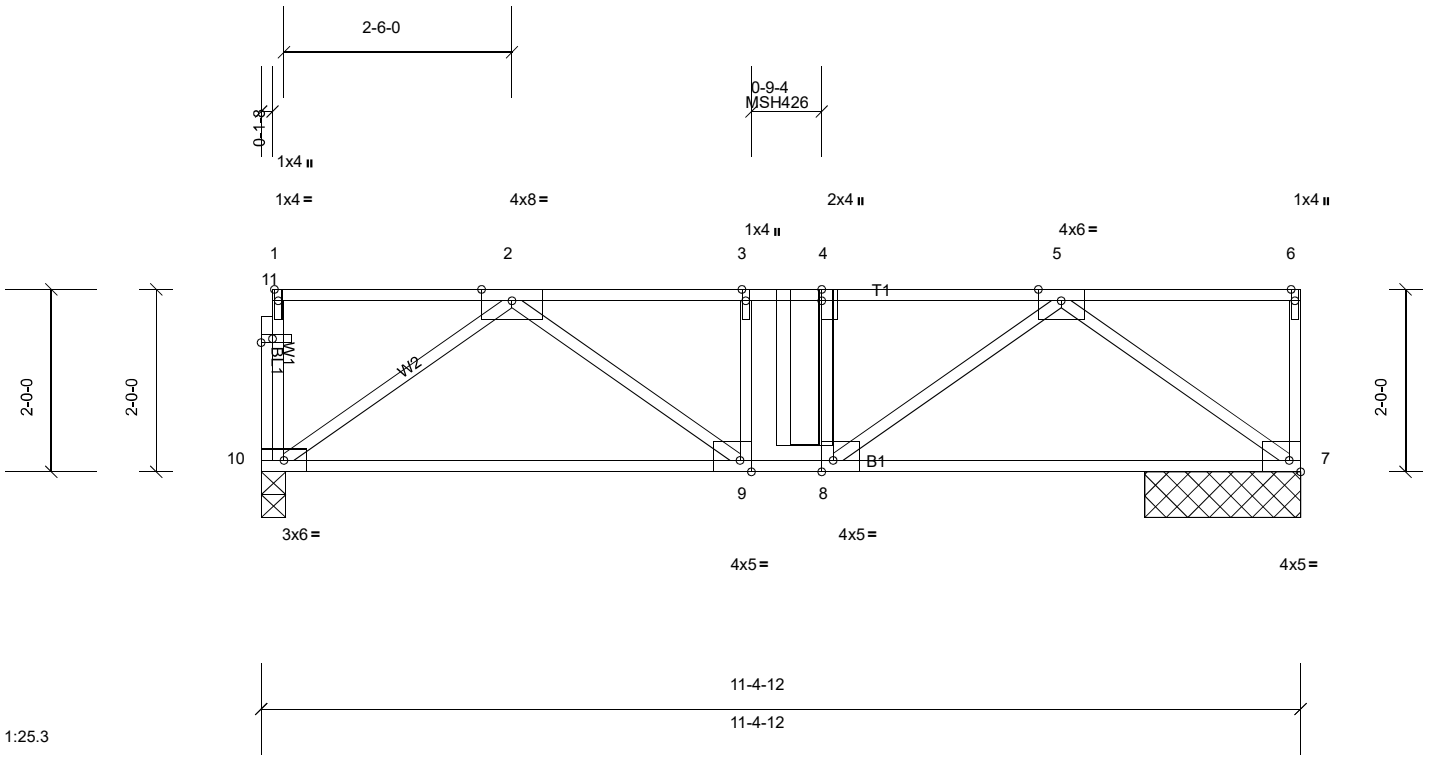
NOTES

1) Refer to girder(s) for truss to truss connections.
2) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Use USP MSH426 (With 16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 1-10-0 oc max. starting at 0-10-12 from the left end to 2-8-12 to connect truss (es) F23 (1 ply 2x4 SP) to front face of top chord.
6) Fill all nail holes where hanger is in contact with lumber.
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: 4-5=-10, 1-3=-100
   Concentrated Loads (lb)
   Vert: 2=-826 (F), 7=-826 (F)

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F22	Floor Girder	1	1	Job Reference (optional)



Scale = 1:25.3

Plate Offsets (X, Y): [4:0-1-8,Edge], [7:Edge,0-1-8], [8:0-1-8,Edge], [9:0-1-8,Edge], [11:0-1-8,0-0-8]

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	0.78	Vert(LL)	-0.17	7-8	>786	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.31	7-8	>438	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 65 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP DSS(flat)
BOT CHORD	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 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=1309/1-8-8, (min. 0-1-8), 10=1194/0-3-4, (min. 0-1-8)

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

TOP CHORD	2-3=-2691/0, 3-4=-2691/0, 4-5=-2691/0
BOT CHORD	9-10=0/1503, 8-9=0/2691, 7-8=0/1623
WEBS	5-7=-2012/0, 2-10=-1842/0, 5-8=0/1429, 2-9=0/1592, 3-9=-642/0, 4-8=-981/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
3) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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.
6) Use USP MSH426 (With 16d nails into Girder & 6-16d nails into Truss) or equivalent at 5-11-8 from the left end to connect truss(es) F21 (1 ply 2x4 SP) to front face of top chord.
7) Fill all nail holes where hanger is in contact with lumber.
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 (lb/ft)
   Vert: 7-10=-10, 1-6=-100
   Concentrated Loads (lb)
   Vert: 4=-1276 (F=-892)
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-6=-100
   Concentrated Loads (lb)
   Vert: 4=-1276 (F=-892)
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 7-10=-10, 1-4=-100, 4-6=-20
   Concentrated Loads (lb)
   Vert: 4=-1356 (F=-972)
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

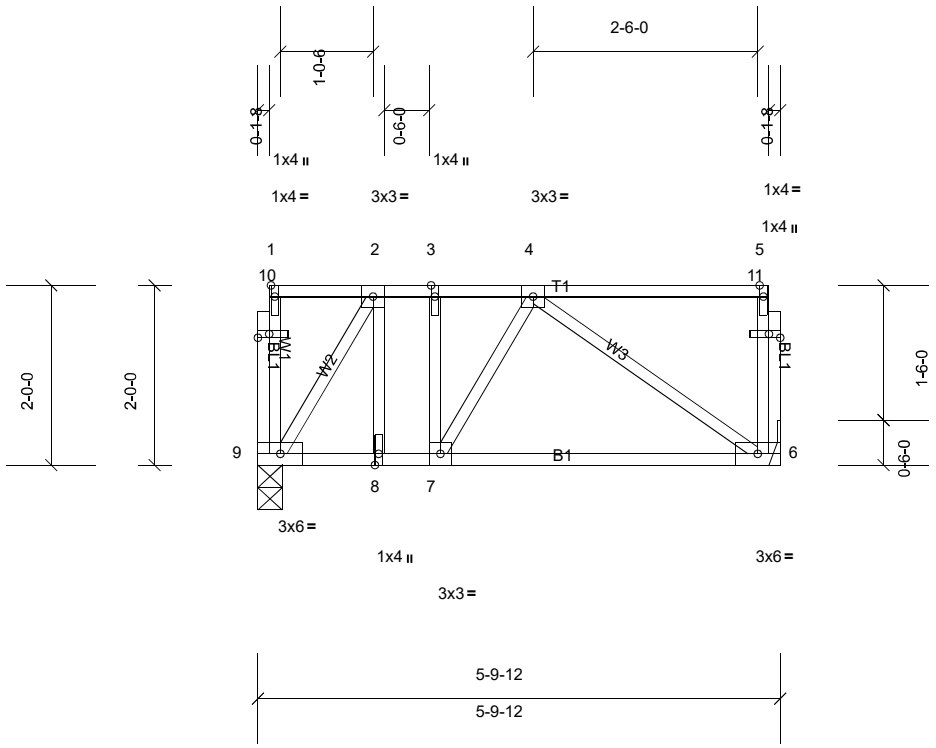
Continued on page 2

Uniform Loads (lb/ft)
Vert: 7-10=-10, 1-3=-20, 3-6=-100
Concentrated Loads (lb)
Vert: 4=-1356 (F=-972)

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 7-10=-10, 1-4=-100, 4-6=-20
Concentrated Loads (lb)
Vert: 4=-1356 (F=-972)

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 7-10=-10, 1-3=-20, 3-6=-100
Concentrated Loads (lb)
Vert: 4=-1356 (F=-972)

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F23	Floor	2	1	Job Reference (optional)



Scale = 1:25.6

Plate Offsets (X, Y): [10:0-1-8,0-0-8], [11:0-1-8,0-0-8]

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)	-0.01	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	-0.03	6-7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 43 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 5-9-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=911/ Mechanical, (min. 0-1-8), 9=307/0-3-4, (min. 0-1-8)

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

TOP CHORD	6-11=-722/0, 5-11=-721/0
BOT CHORD	6-7=0/266
WEBS	4-6=-297/0, 2-9=-347/0

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 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
4) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 6-9=-10, 1-5=-100
   Concentrated Loads (lb)
   Vert: 5=-619
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 6-9=-10, 1-5=-100
   Concentrated Loads (lb)
   Vert: 5=-619
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 6-9=-10, 1-3=-100, 3-5=-20
   Concentrated Loads (lb)
   Vert: 5=-619
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 6-9=-10, 1-2=-20, 2-5=-100
   Concentrated Loads (lb)

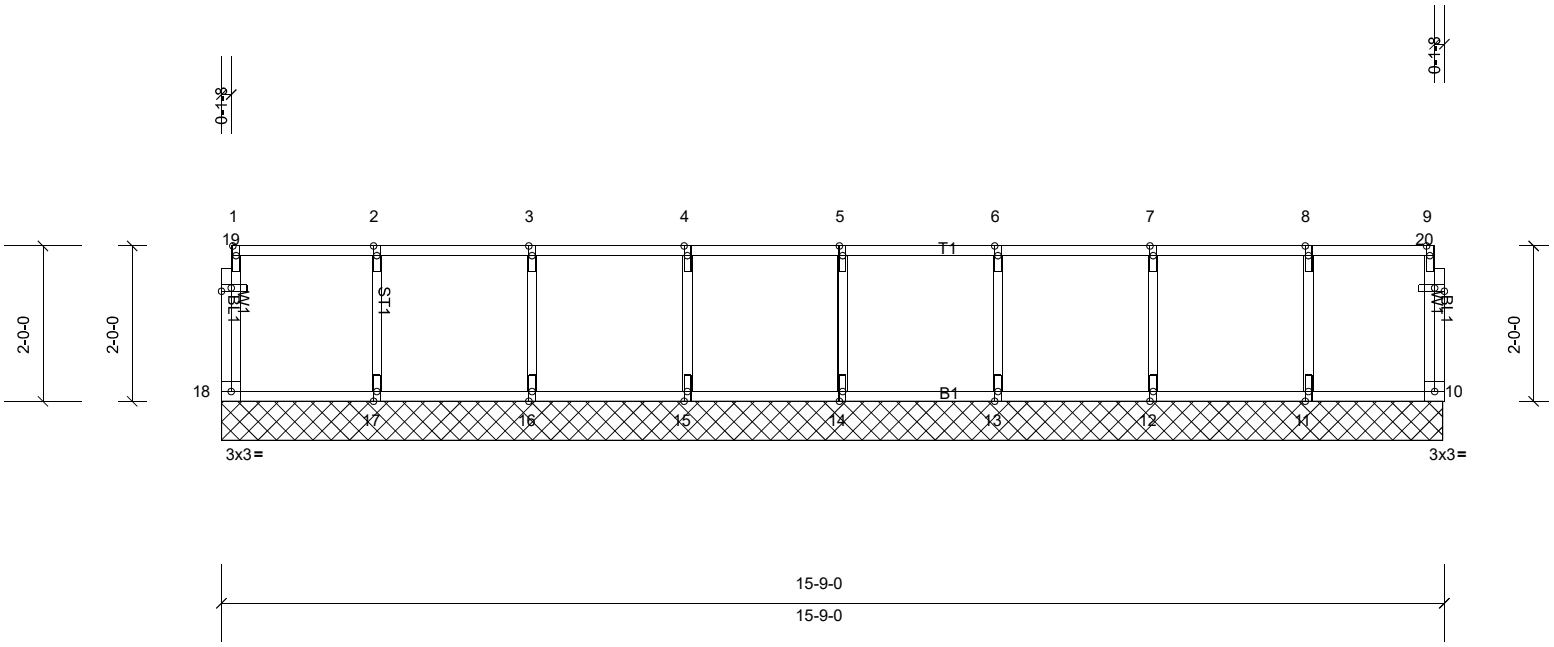
Continued on page 2

Vert: 5=-619

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 6-9=-10, 1-3=-100, 3-5=-20
Concentrated Loads (lb)
Vert: 5=-619

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 6-9=-10, 1-2=-20, 2-5=-100
Concentrated Loads (lb)
Vert: 5=-619

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F24	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:29.7

Plate Offsets (X, Y): [19:0-1-8,0-0-8], [20:0-1-8,0-0-8]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 75 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS All bearings 15-8-12.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15, 16, 17, 18

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

NOTES

1) All plates are 1x4 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 2-0-0 oc.
4) Non Standard bearing condition. Review required.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F25	Floor Supported Gable	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user — Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Fri Aug 07 13:38:12 — Page: 1

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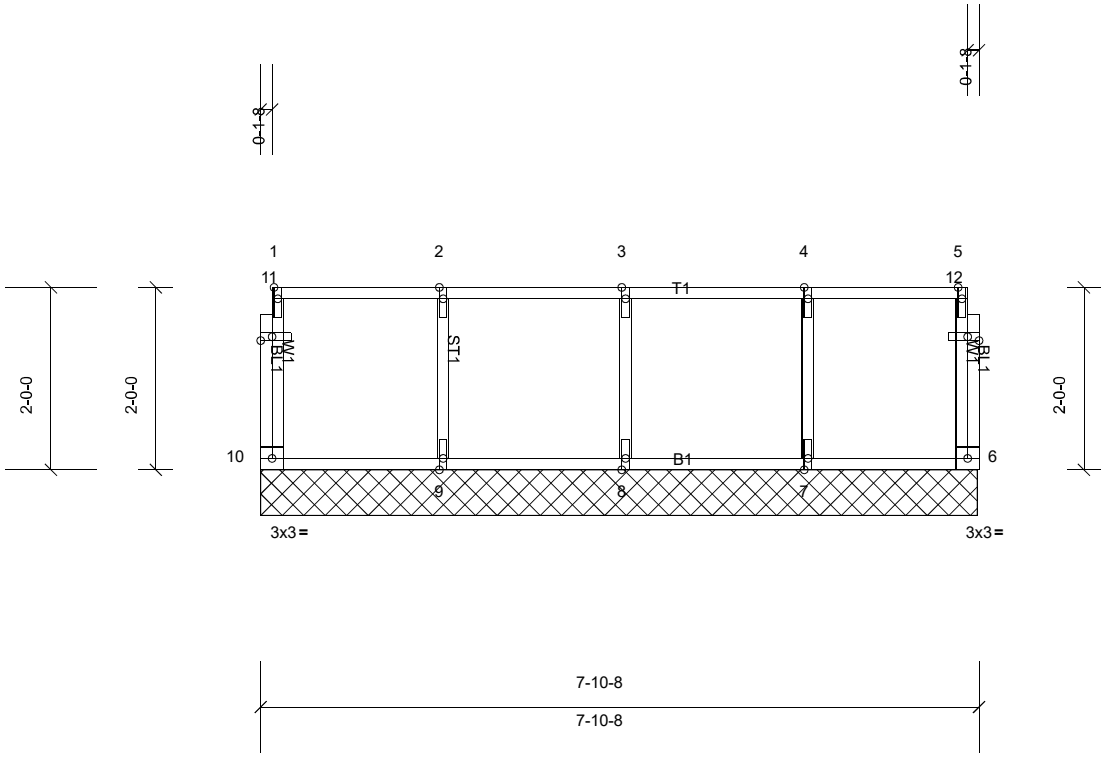


Scale = 1:25.3

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

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 41 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS All bearings 7-10-4.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 6, 7, 8, 9, 10

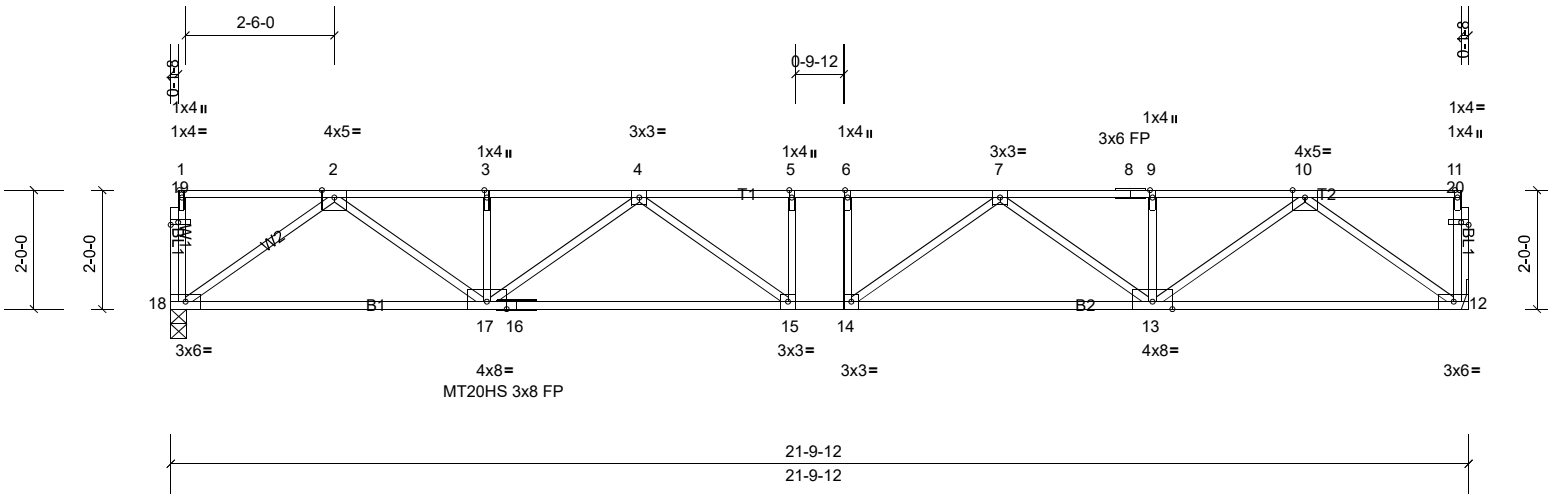
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

1) All plates are 1x4 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 2-0-0 oc.
4) Non Standard bearing condition. Review required.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F26	Floor	3	1	Job Reference (optional)



Scale = 1:38.7

Plate Offsets (X, Y): [19:0-1-8,0-0-8], [20:0-1-8,0-0-8]

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	0.62	Vert(LL)	-0.24	14-15	>999	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.34	15-17	>760	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 121 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 2-2-0 oc bracing.

REACTIONS (lb/size) 12=1180/ Mechanical, (min. 0-1-8), 18=1180/0-3-4, (min. 0-1-8)

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

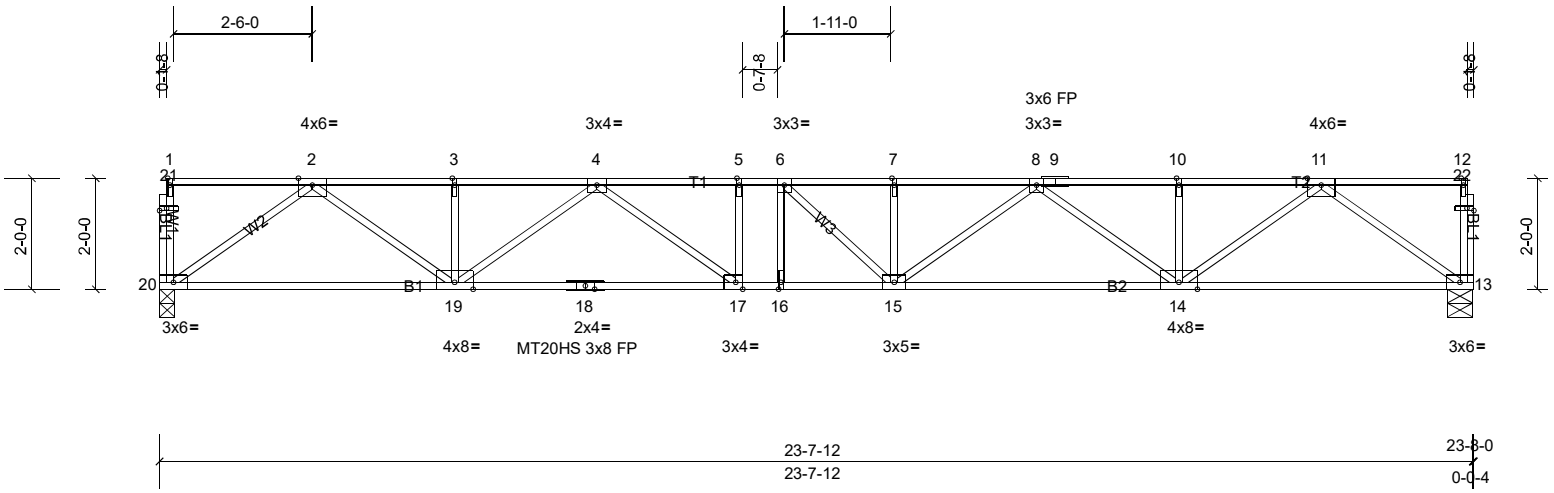
TOP CHORD	2-3=-2529/0, 3-4=-2529/0, 4-5=-3424/0, 5-6=-3424/0, 6-7=-3424/0, 7-8=-2529/0, 8-9=-2529/0, 9-10=-2529/0
BOT CHORD	17-18=0/1483, 16-17=0/3162, 15-16=0/3162, 14-15=0/3424, 13-14=0/3162, 12-13=0/1483
WEBS	10-12=-1818/0, 2-18=-1818/0, 10-13=0/1297, 2-17=0/1297, 7-13=-784/0, 4-17=-784/0, 7-14=-80/572, 4-15=-80/572

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1x4 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F27	Floor	4	1	Job Reference (optional)



Scale = 1:41.5

Plate Offsets (X, Y): [17:0-1-8,Edge], [21:0-1-8,0-0-8], [22:0-1-8,0-0-8]

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	0.58	Vert(LL)	-0.32	15-16	>876	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.44	15-16	>642	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.09	13	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 133 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	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 or 5-7-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 13=1282/0-5-8, (min. 0-1-8), 20=1282/0-3-4, (min. 0-1-8)

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

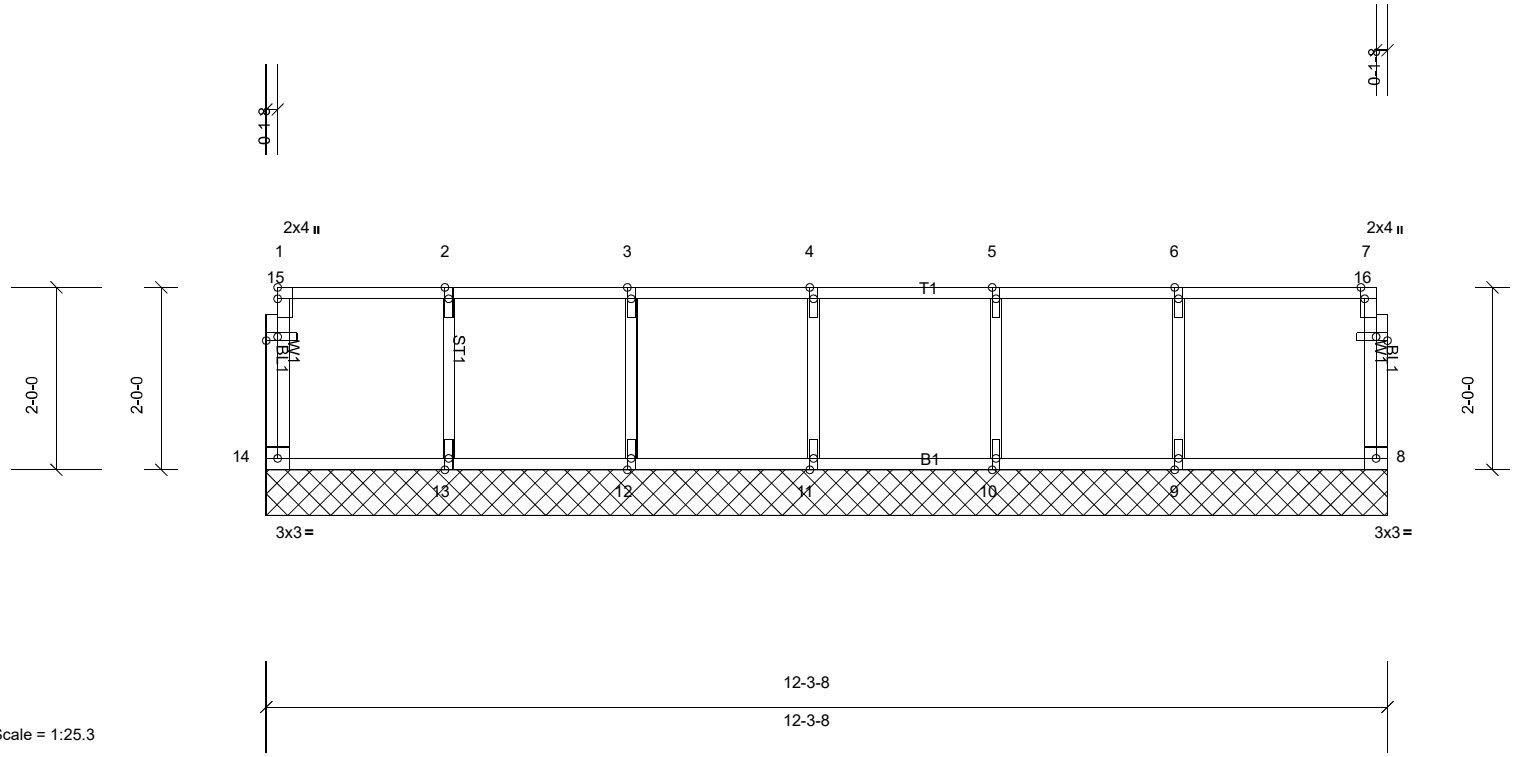
TOP CHORD	2-3=-2810/0, 3-4=-2810/0, 4-5=-3996/0, 5-6=-3996/0, 6-7=-3993/0, 7-8=-3993/0, 8-9=-2810/0, 9-10=-2810/0, 10-11=-2810/0
BOT CHORD	19-20=0/1625, 18-19=0/3582, 17-18=0/3582, 16-17=0/3996, 15-16=0/3996, 14-15=0/3581, 13-14=0/1625
WEBS	11-13=-1993/0, 2-20=-1992/0, 11-14=0/1469, 2-19=0/1468, 8-14=-955/0, 4-19=-958/0, 8-15=0/510, 4-17=0/704, 7-15=-282/0, 6-15=-392/347

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1x4 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 18 = 11%
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F28	Floor Supported Gable	1	1	Job Reference (optional)



Scale = 1:25.3

Plate Offsets (X, Y): [7:0-1-8,Edge], [15:0-1-8,0-0-8], [16:0-1-8,0-0-8]

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	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 59 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS All bearings 12-3-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12, 13, 14

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

NOTES

1) All plates are 1x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 2-0-0 oc.
5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F29	Floor	3	1	Job Reference (optional)

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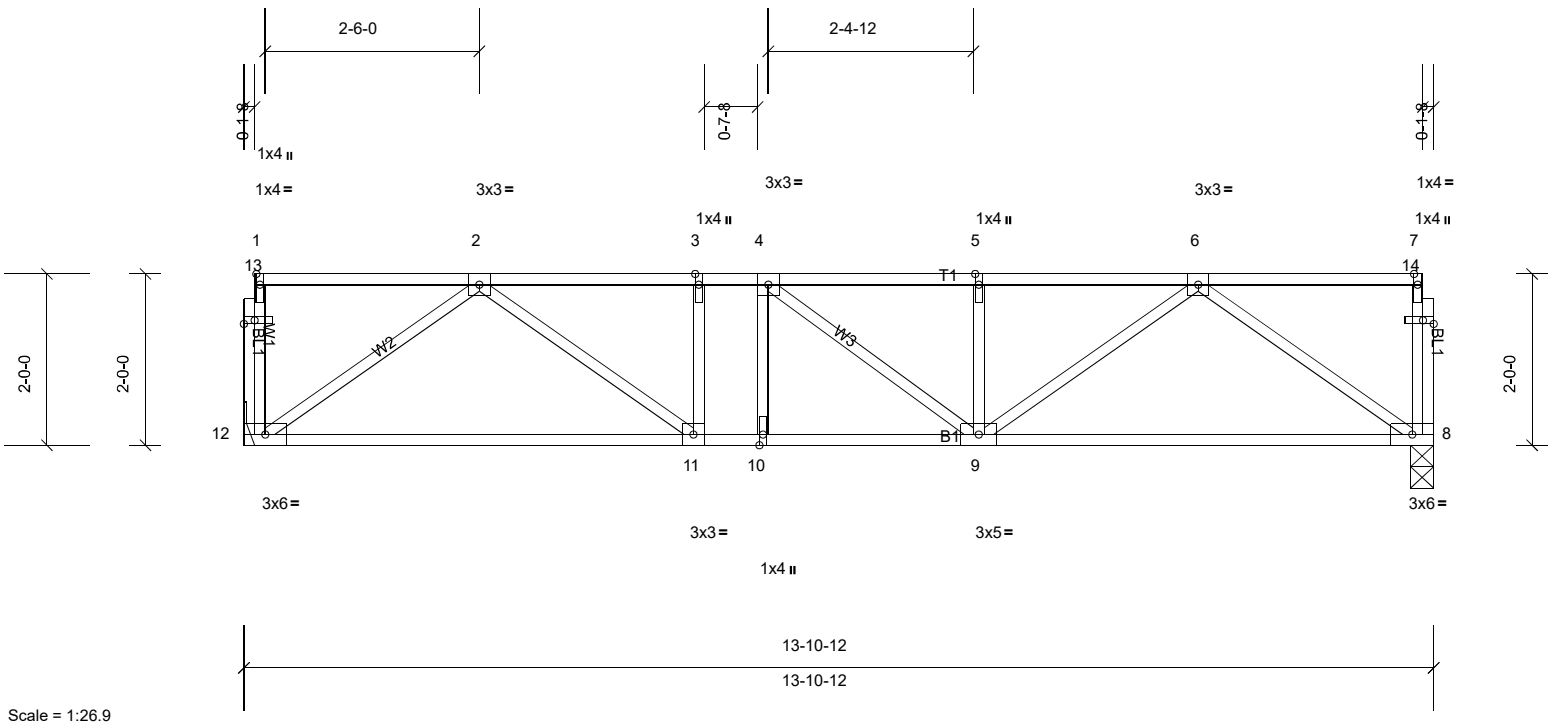

Scale = 1:26.9

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

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	0.40	Vert(LL)	-0.07	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.11	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 81 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS (lb/size) 8=744/0-3-4, (min. 0-1-8), 12=744/ Mechanical, (min. 0-1-8)

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

TOP CHORD	2-3=-1334/0, 3-4=-1334/0, 4-5=-1331/0, 5-6=-1331/0
BOT CHORD	11-12=0/876, 10-11=0/1334, 9-10=0/1334, 8-9=0/873
WEBS	6-8=-1068/0, 2-12=-1073/0, 6-9=0/568, 2-11=0/573, 5-9=-282/0

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 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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.

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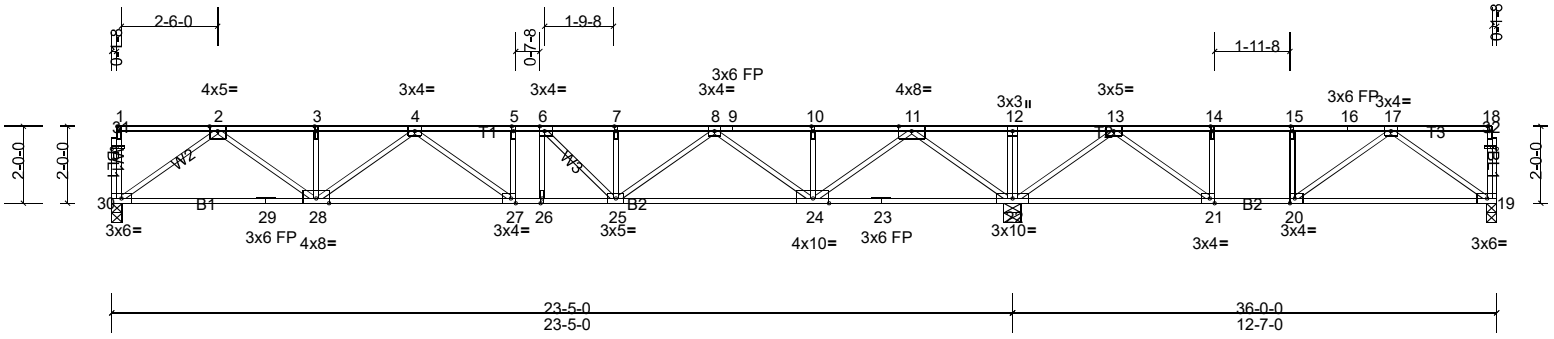
Job	Truss	Truss Type	Qty	Ply	Weaver Smith Residence V2-Floor
Q-2001892-1	F30	Floor	2	1	Job Reference (optional)



Scale = 1:59.9

Plate Offsets (X, Y): [6:0-1-8,Edge], [20:0-1-8,Edge], [21:0-1-8,Edge], [27:0-1-8,Edge], [31:0-1-8,0-0-8], [32:0-1-8,0-0-8]

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	0.95	Vert(LL)	-0.28	25-26	>984	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.39	27-28	>722	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.09	19	n/a	n/a		
BCDL	5.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 198 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)
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 2-2-0 oc bracing.

REACTIONS (lb/size) 19=469/0-3-4, (min. 0-1-8), 22=2288/0-5-8, (min. 0-1-9), 30=1163/0-3-4, (min. 0-1-8)
Max Uplift 19=-4 (LC 3)
Max Grav 19=604 (LC 4), 22=2288 (LC 1), 30=1193 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2567/0, 3-4=-2567/0, 4-5=-3497/0, 5-6=-3497/0, 6-7=-3389/0, 7-8=-3389/0, 8-9=-2010/0, 9-10=-2010/0, 10-11=-2010/0, 11-12=0/1624, 12-13=0/1624, 13-14=-887/311, 14-15=-887/311, 15-16=-887/311, 16-17=-887/311
BOT CHORD 29-30=0/1502, 28-29=0/1502, 27-28=0/3218, 26-27=0/3497, 25-26=0/3497, 24-25=0/2879, 23-24=-13/715, 22-23=-13/715, 21-22=-796/387, 20-21=-311/887, 19-20=-63/677
WEBS 12-22=-297/0, 11-22=-2152/0, 2-30=-1842/0, 11-24=0/1695, 2-28=0/1320, 10-24=-258/0, 8-24=-1167/0, 4-28=-807/0, 8-25=0/721, 4-27=-116/523, 7-25=-267/3, 6-25=-505/183, 13-22=-1255/0, 17-19=-828/78, 13-21=0/951, 17-20=-307/261, 14-21=-445/0

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 19.
4) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
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.

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