

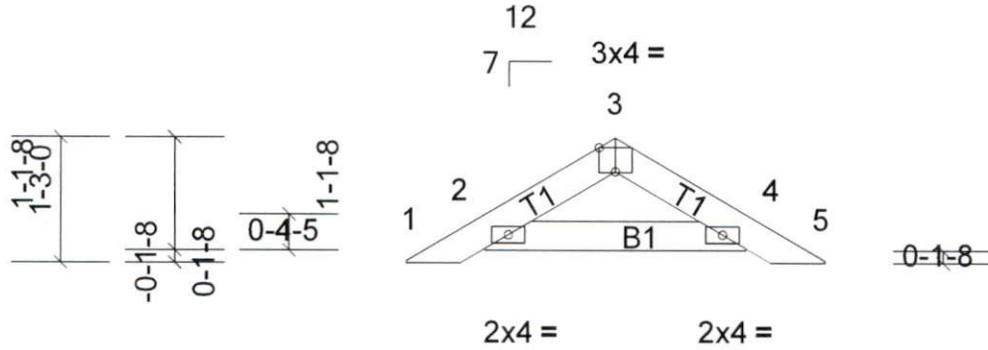
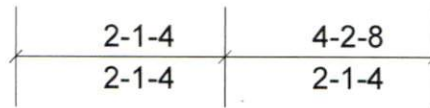
Job Q-1901210-1	Truss CAP1	Truss Type Piggyback	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:22.3

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-P							Weight: 11 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-3-6 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=136/2-7-8, (min. 0-1-8), 4=136/2-7-8, (min. 0-1-8)
Max Horiz 2=-19 (LC 9)
Max Uplift 2=-31 (LC 11), 4=-31 (LC 11)

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

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 2 and 31 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	CAP2	Piggyback	36	1	Job Reference (optional)

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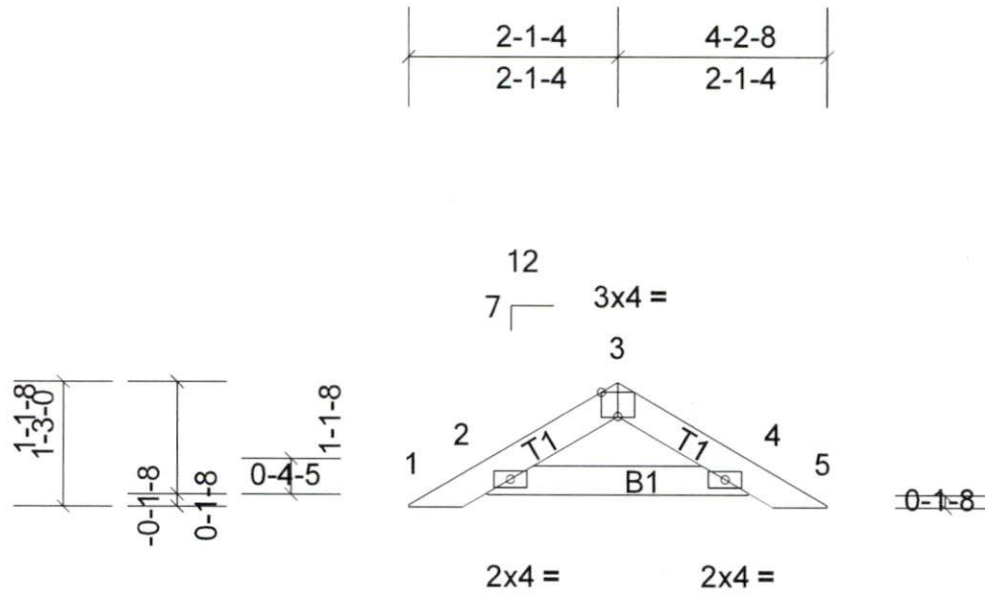


Plate Offsets (X, Y): [3:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-P						Weight: 11 lb	FT = 20%

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

BRACING
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-3-6 oc purfins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=136/2-7-8, (min. 0-1-8), 4=136/2-7-8, (min. 0-1-8)
 Max Horiz 2=-19 (LC 9)
 Max Uplift 2=-31 (LC 11), 4=-31 (LC 11)

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

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 oc.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 2 and 31 lb uplift at joint 4.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

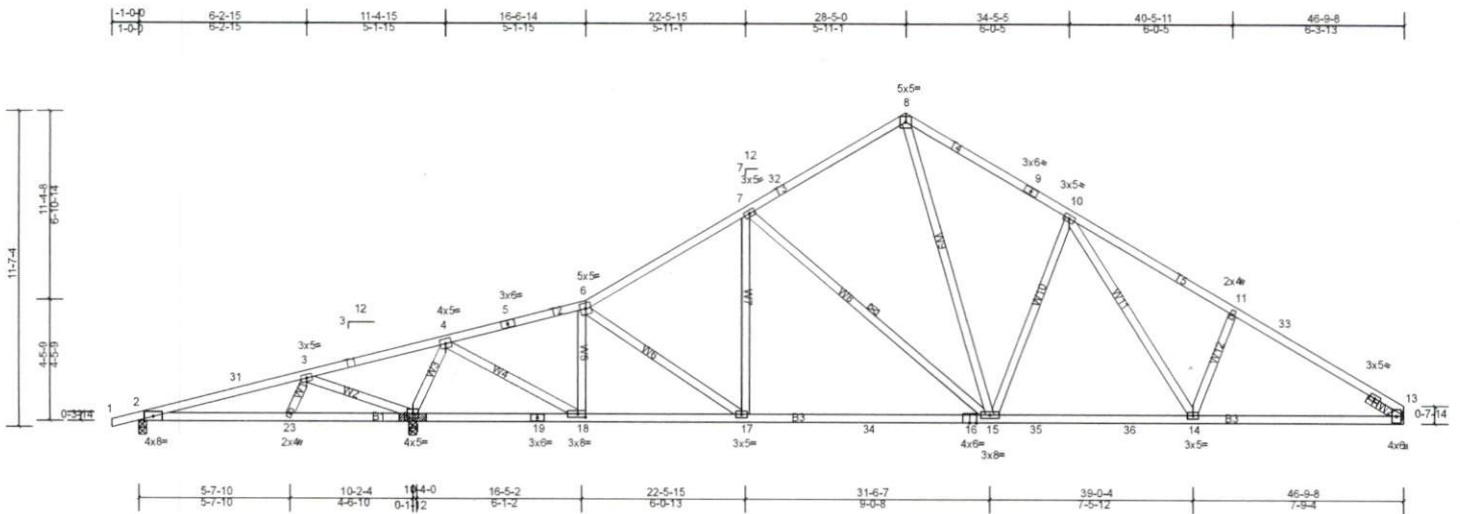
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	T1A	Roof Special	4	1	Job Reference (optional)

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Scale = 1:81.8

Plate Offsets (X, Y): [13:0-3-5,0-1-3], [18:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.17	15-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.37	15-17	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 265 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-6-10 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-15

REACTIONS (lb/size) 2=159/0-3-8, (min. 0-1-8), 13=1377/ Mechanical, (min. 0-1-8),
 21=2267/(0-3-8 + bearing block), (min. 0-3-9)
 Max Horiz 2=192 (LC 10)
 Max Uplift 2=54 (LC 7), 13=169 (LC 11), 21=279 (LC 11)
 Max Grav 2=202 (LC 20), 13=1377 (LC 1), 21=2267 (LC 1)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-31=-68/541, 3-31=-60/581, 3-4=-150/1298, 4-5=-1298/199, 5-6=-1257/208, 6-7=-1642/284, 7-32=-1263/271,
 8-32=-1183/303, 8-9=-1520/370, 9-10=-1605/337, 10-11=-2083/373, 11-33=-2053/308, 12-33=-2169/290, 12-13=-874/0
 BOT CHORD 2-23=-528/77, 22-23=-584/60, 21-22=-584/60, 20-21=-453/78, 19-20=-453/78, 18-19=-453/78, 17-18=-91/1298,
 17-34=-48/1434, 16-34=-48/1434, 15-16=-48/1434, 15-35=-78/1470, 35-36=-78/1470, 14-36=-78/1470, 13-14=-184/1795
 WEBS 3-21=-797/154, 4-21=-2020/318, 4-18=-188/1880, 6-18=-842/162, 7-15=-532/145, 8-15=-215/1136, 10-15=-580/232,
 10-14=-88/477, 11-14=-279/170

NOTES

- 2x4 SP No.1 bearing block 12" long at jt. 21 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=47ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-8-2, Interior (1) 3-8-2 to 28-5-0, Exterior (2) 28-5-0 to 33-1-2, Interior (1) 33-1-2 to 46-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 2, 279 lb uplift at joint 21 and 169 lb uplift at joint 13.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

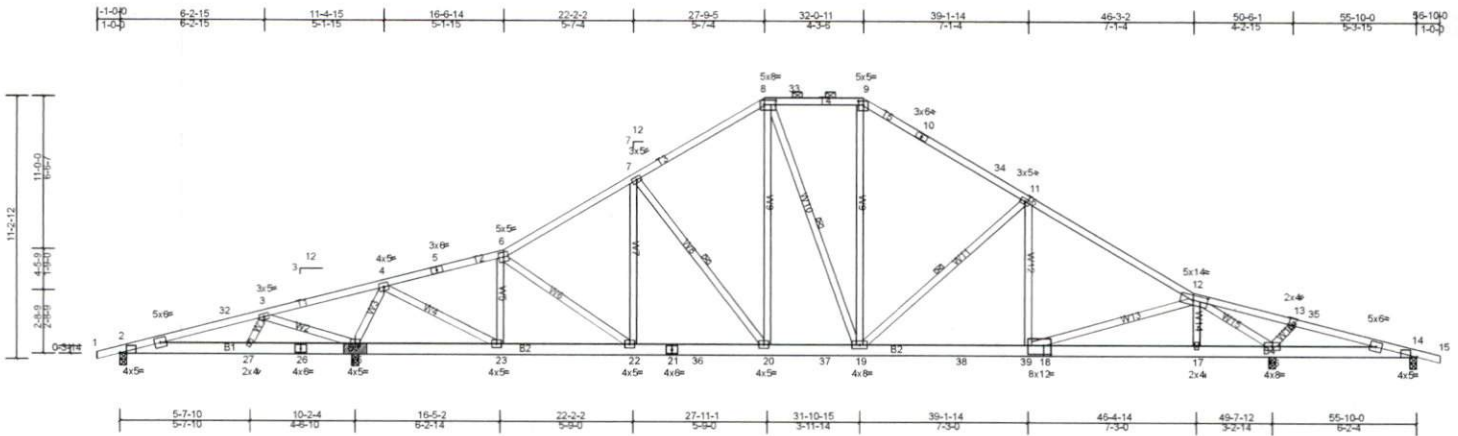
Job Q-1901210-1	Truss T2	Truss Type Piggyback Base	Qty 8	Ply 1	Hall Residence-Roof Job Reference (optional)
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Scale = 1:95.1

Plate Offsets (X, Y): [2:0-3-4,Edge], [8:0-6-0,0-2-4], [9:0-2-8,0-2-1], [12:0-7-4,0-2-8], [14:0-3-4,Edge], [18:0-3-12,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.09	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.19	18-19	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.04	16	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 377 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

REACTIONS All bearings 0-3-8, except 25=0-3-10(input: 0-3-8 + bearing block)

(lb) - Max Horiz 2=165 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 14 except 16=250 (LC 11), 25=285 (LC 11)

Max Grav All reactions 250 (lb) or less at joint(s) 2, 14 except 16=2026 (LC 1), 25=2328 (LC 1)

FORCES

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

TOP CHORD 2-32=-66/532, 3-32=-55/565, 3-4=-146/1269, 4-5=-1437/214, 5-6=-1395/223, 6-7=-1772/305, 7-8=-1517/342, 8-33=-1272/331, 9-33=-1272/331, 9-10=-1440/332, 10-34=-1452/314, 11-34=-1571/293, 11-12=-1995/297, 12-13=-110/892, 13-35=-71/709, 14-35=-80/702

BOT CHORD 2-27=-521/103, 26-27=-587/85, 25-26=-587/85, 24-25=-386/91, 23-24=-386/91, 22-23=-83/1444, 21-22=-48/1559, 21-36=-48/1559, 20-36=-48/1559, 20-37=0/1297, 19-37=0/1297, 19-38=-92/1638, 38-39=-92/1638, 18-39=-92/1638, 17-18=-116/1384, 16-17=-111/1383, 14-16=-659/113

WEBS 3-25=-750/146, 4-25=-2097/326, 4-23=-192/1953, 6-23=-858/169, 7-20=-435/150, 8-20=-69/485, 9-19=-42/476, 11-19=-570/182, 12-18=0/342, 12-16=-2696/347, 13-16=-304/99

NOTES

- 2x6 SP No.2 bearing block 12" long at jt. 25 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SPF No.2.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=56ft; eave=7ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 1-0-0 to 4-7-0, Interior (1) 4-7-0 to 27-9-5, Exterior (2) 27-9-5 to 37-7-11, Interior (1) 37-7-11 to 56-10-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14 except (jt=lb) 25=284, 16=250.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins, except 2-0-0 oc purlins (5-6-3 max.); 8-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-20, 8-19, 11-19

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

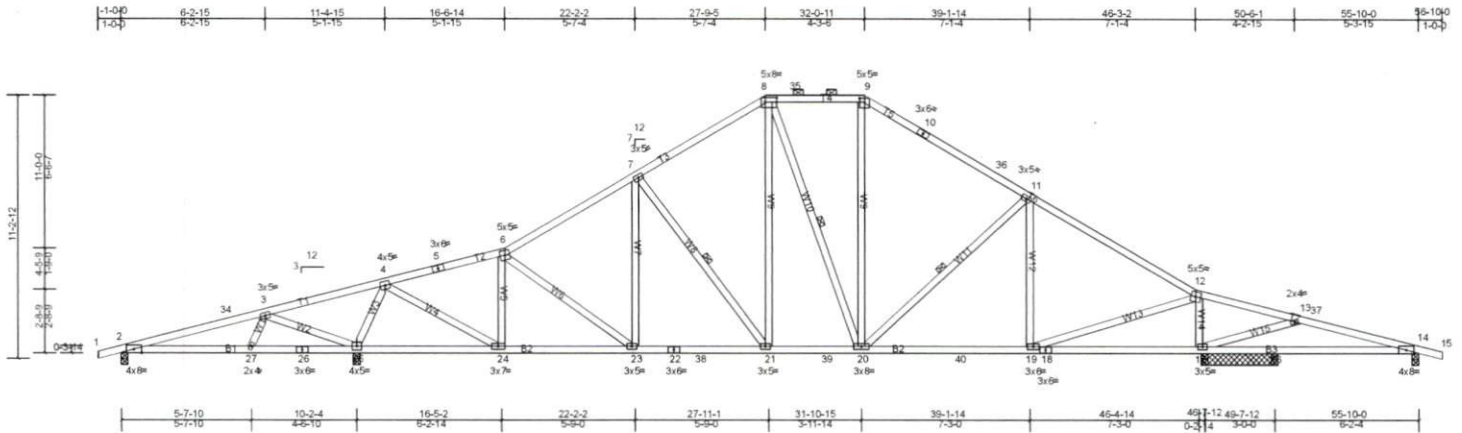
Job Q-1901210-1	Truss T2A	Truss Type Piggyback Base	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:95.1

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.09	19-20	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.18	19-20	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 329 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-7-7 oc purlins, except 2-0-0 oc purlins (6-0-0 max.); 8-9.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-21, 8-20, 11-20

REACTIONS

All bearings 0-3-8, except 17=3-3-8
 (lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 17=272 (LC 11), 25=261 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 16 except 17=1835 (LC 1), 25=2164 (LC 1)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-34=-75/364, 3-34=-22/403, 3-4=-116/1119, 4-5=-1319/201, 5-6=-1278/210, 6-7=-1578/281, 7-8=-1310/314, 8-35=-1052/302, 9-35=-1052/302, 9-10=-1187/298, 10-36=-1198/280, 11-36=-1305/259, 11-12=-1412/219, 12-13=-82/465
 BOT CHORD 2-27=-332/69, 26-27=-389/51, 25-26=-389/51, 24-25=-305/76, 23-24=-70/1334, 22-23=-27/1406, 22-38=-27/1406, 21-38=-27/1406, 21-39=0/1135, 20-39=0/1135, 20-40=-16/1142, 19-40=-16/1142, 18-19=-326/128, 17-18=-326/128
 WEBS 3-25=-793/152, 4-25=-1912/296, 4-24=-162/1757, 6-24=-766/154, 7-21=-455/155, 8-21=-70/514, 9-20=-25/353, 11-19=-343/144, 12-19=-153/1528, 12-17=-1565/286, 13-17=-588/185

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=56ft; eave=7ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 4-7-0, Interior (1) 4-7-0 to 27-9-5, Exterior (2) 27-9-5 to 37-7-11, Interior (1) 37-7-11 to 56-10-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14 except (jt=lb) 25=261, 17=272.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

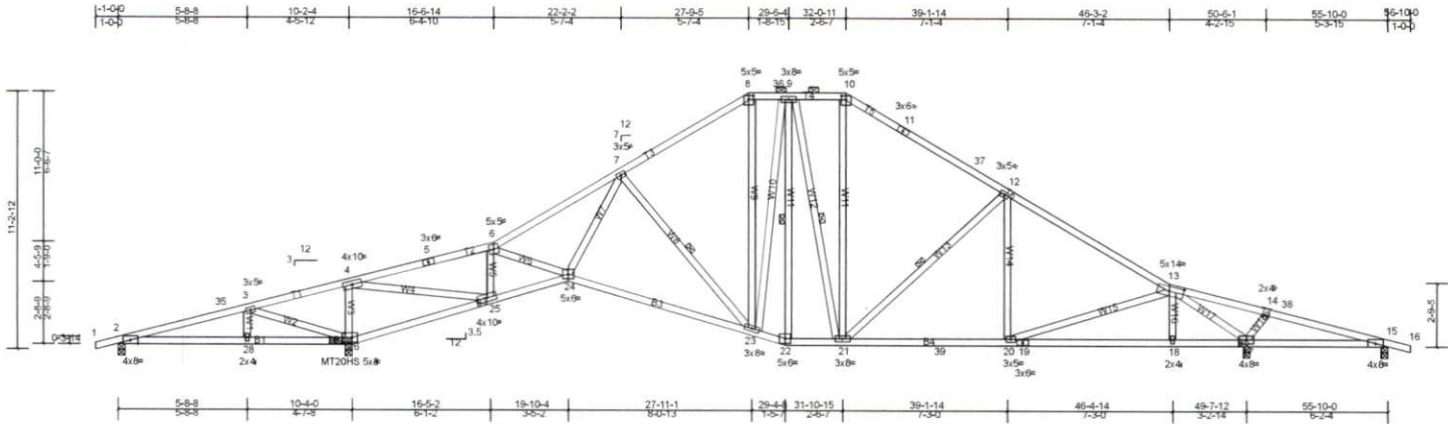
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	T2C	Piggyback Base	3	1	Job Reference (optional)

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Scale = 1.97.2

Plate Offsets (X, Y): [8:0-2-8,0-2-1], [10:0-2-8,0-2-1], [13:0-7-8,0-2-8], [26:0-5-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.15	23-24	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.39	23-24	>999	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.13	17	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 351 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3 *Except* W4:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-12 oc purlins, except 2-0-0 oc purlins (5-9-11 max.): 8-10.
 BOT CHORD Rigid ceiling directly applied or 4-0-3 oc bracing.
 WEBS 1 Row at midpt 7-23, 9-22, 9-21, 12-21

REACTIONS

All bearings 0-3-8, except 26=0-4-2(input: 0-3-8 + bearing block)
 (lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 17=-253 (LC 11), 26=-307 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) except 17=2046 (LC 1), 26=2614 (LC 1)

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

FORCES

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

TOP CHORD 2-35=-122/1281, 3-35=-110/1317, 3-4=-181/2120, 4-5=-1434/192, 5-6=-1382/201, 6-7=-2389/300, 7-8=-1384/319, 8-36=-1117/311, 9-36=-1117/311, 9-10=-1106/321, 10-11=-1262/321, 11-37=-1276/302, 12-37=-1400/282, 12-13=-1783/285, 13-14=-133/1203, 14-38=-95/1010, 15-38=-106/966
 BOT CHORD 2-28=-1232/151, 27-28=-1232/151, 26-27=-1232/151, 25-26=-2221/283, 24-25=-81/1495, 23-24=-67/1711, 22-23=0/1149, 21-22=0/1084, 21-39=-74/1464, 20-39=-74/1464, 19-20=-88/1101, 18-19=-88/1101, 17-18=-84/1105, 15-17=-937/135
 WEBS 3-26=827/100, 4-26=-1648/262, 4-25=-323/3482, 6-25=-1389/201, 6-24=0/626, 7-24=0/845, 7-23=-806/178, 8-23=-51/407, 9-23=0/331, 9-22=-375/0, 10-21=-31/350, 12-21=-562/170, 13-20=0/410, 13-17=-2761/345, 14-17=-350/106

NOTES

- 2x4 SP No.1 bearing block 12" long at jt. 26 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=56ft; eave=7ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 4-7-0, Interior (1) 4-7-0 to 27-9-5, Exterior (2) 27-9-5 to 37-7-11, Interior (1) 37-7-11 to 56-10-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 2, 306 lb uplift at joint 26, 253 lb uplift at joint 17 and 81 lb uplift at joint 15.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

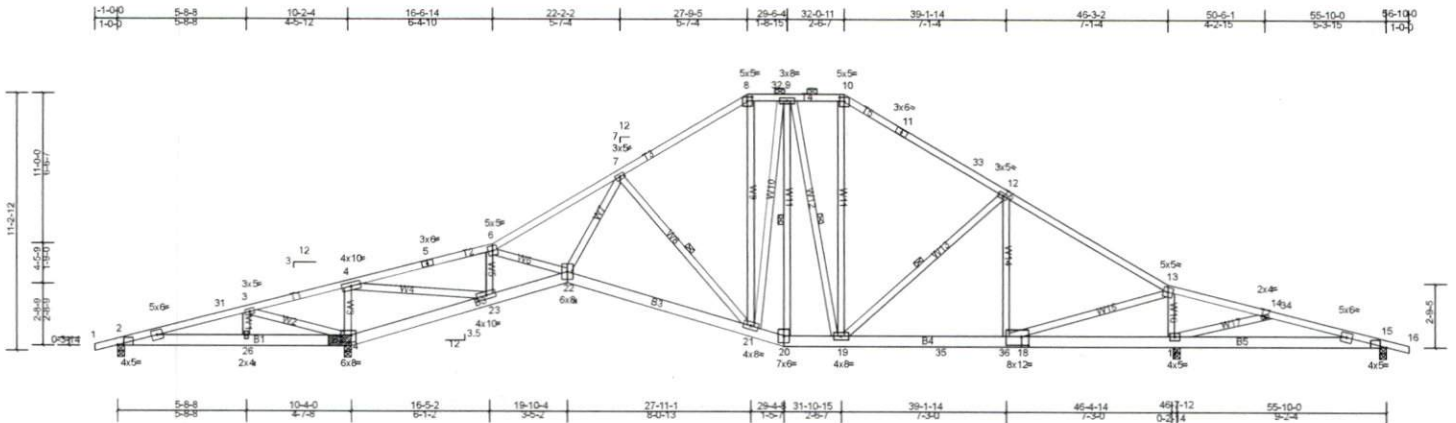
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	T2D	Piggyback Base	8	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user

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Scale = 1.97.2

Plate Offsets (X, Y): [2:0-3-4,Edge], [8:0-2-8,0-2-1], [10:0-2-8,0-2-1], [15:0-3-4,Edge], [18:0-3-12,0-4-8], [24:0-5-8,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.12	21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.27	21-22	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.09	17	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 395 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3 *Except* W4:2x4 SP No.2

REACTIONS All bearings 0-3-8, except 24=0-3-13(input: 0-3-8 + bearing block)
 (lb) - Max Horiz 2=165 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 15 except 17=241 (LC 11), 24=284 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 2 except 15=262 (LC 21), 17=1947 (LC 1), 24=2429 (LC 1)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-31=110/1181, 3-31=100/1210, 3-4=165/1961, 4-5=1296/168, 5-6=1244/177, 6-7=2155/262, 7-8=1178/291, 8-32=937/287, 9-32=937/287, 9-10=886/291, 10-11=1008/285, 11-33=1023/267, 12-33=1147/246, 12-13=1115/198, 13-14=103/815, 14-34=0/344, 15-34=0/330
 BOT CHORD 2-26=1129/145, 25-26=1129/145, 24-25=1129/145, 23-24=2059/267, 22-23=56/1356, 21-22=38/1508, 20-21=0/944, 19-20=0/896, 19-35=12/932, 35-36=12/932, 18-36=12/932, 17-18=660/148, 15-17=316/13
 WEBS 3-24=767/90, 4-24=1507/246, 4-23=282/3178, 6-23=1264/185, 6-22=0/552, 7-22=0/808, 7-21=781/171, 8-21=38/313, 9-21=0/346, 9-20=287/0, 10-19=13/251, 12-18=450/143, 13-18=154/1644, 13-17=1585/286, 14-17=598/158

NOTES

- 2x6 SP No.2 bearing block 12" long at jt. 24 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SPF No.2.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=56ft; eave=7ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 4-7-0, Interior (1) 4-7-0 to 27-9-5, Exterior (2) 27-9-5 to 37-7-11, Interior (1) 37-7-11 to 56-10-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15 except (jt=lb) 24=284, 17=241.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 8-10.
 BOT CHORD Rigid ceiling directly applied or 5-0-8 oc bracing.
 WEBS 1 Row at midpt 7-21, 9-20, 9-19, 12-19

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

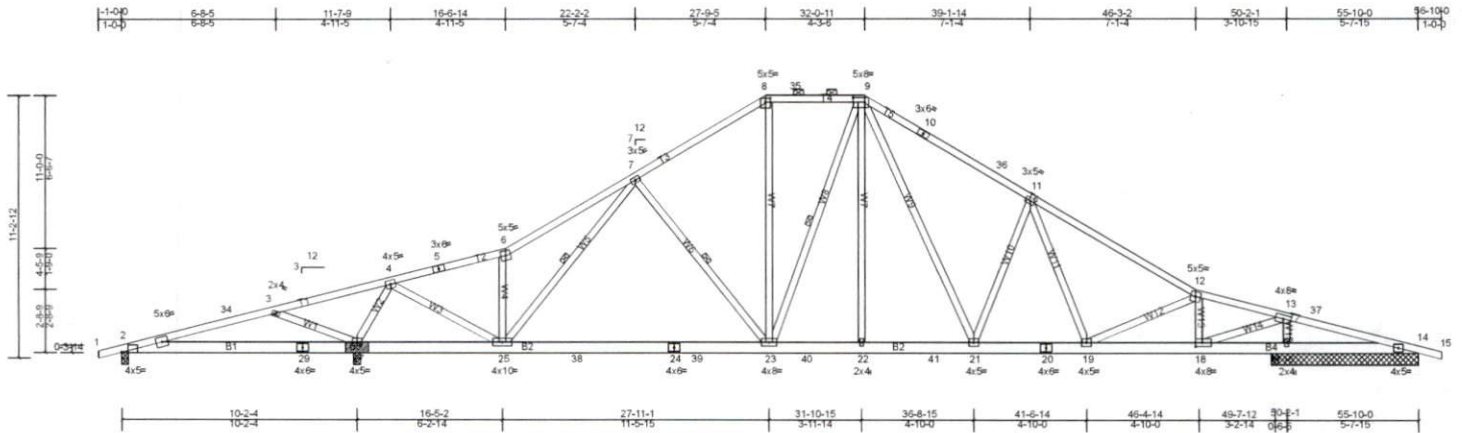
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	T2E	Piggyback Base	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, urser

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Scale = 1:95.1

Plate Offsets (X, Y): [2:0-3-4,Edge], [8:0-2-8,0-2-1], [9:0-6-0,0-2-4], [18:0-3-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.19	23-25	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.37	23-25	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.03	17	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 377 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3 *Except* W14:2x4 SP No.2

REACTIONS All bearings 0-3-8, except 27=0-3-11(input: 0-3-8 + bearing block),
 16=6-4-0, 14=6-4-0
 (lb) - Max Horiz 2=165 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 14 except 16=105 (LC 11), 17=151 (LC 11), 27=298 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 14 except 16=1066 (LC 1), 17=1035 (LC 17), 27=2364 (LC 1)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-34=-87/852, 3-34=-53/893, 3-4=-199/1367, 4-5=-1493/171, 5-6=-1459/184, 6-7=-1727/302, 7-8=-1598/326, 8-35=-1316/316, 9-35=-1316/316, 9-10=-1785/403, 10-36=-1796/386, 11-36=-1901/365, 11-12=-2020/296, 12-13=-1441/187, 13-37=-131/1043, 14-37=-142/1011
 BOT CHORD 2-29=-838/103, 28-29=-838/103, 27-28=-838/103, 26-27=-325/120, 25-26=-325/120, 25-38=-56/1570, 24-38=-56/1570, 24-39=-56/1570, 23-39=-56/1570, 23-40=0/1339, 22-40=0/1339, 22-41=0/1338, 21-41=0/1338, 20-21=-96/1662, 19-20=-96/1662, 18-19=-113/1430, 17-18=-981/174, 16-17=-981/174, 14-16=-981/174
 WEBS 3-27=-590/184, 4-27=-2184/339, 4-25=-185/1987, 6-25=-731/199, 7-23=-334/184, 8-23=-64/568, 12-18=-1018/189, 13-18=-292/2487, 11-21=-483/219, 9-21=-145/603, 12-19=0/314, 13-16=-1716/262

NOTES

- 2x6 SP No.2 bearing block 12" long at jt. 27 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SPF No.2.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=56ft; eave=7ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 4-7-0, Interior (1) 4-7-0 to 27-9-5, Exterior (2) 27-9-5 to 37-7-11, Interior (1) 37-7-11 to 56-10-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14 except (jt=lb) 27=298, 16=104, 17=150.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins, except 2-0-0 oc purlins (5-5-3 max.); 8-9.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-25, 7-23, 9-23

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

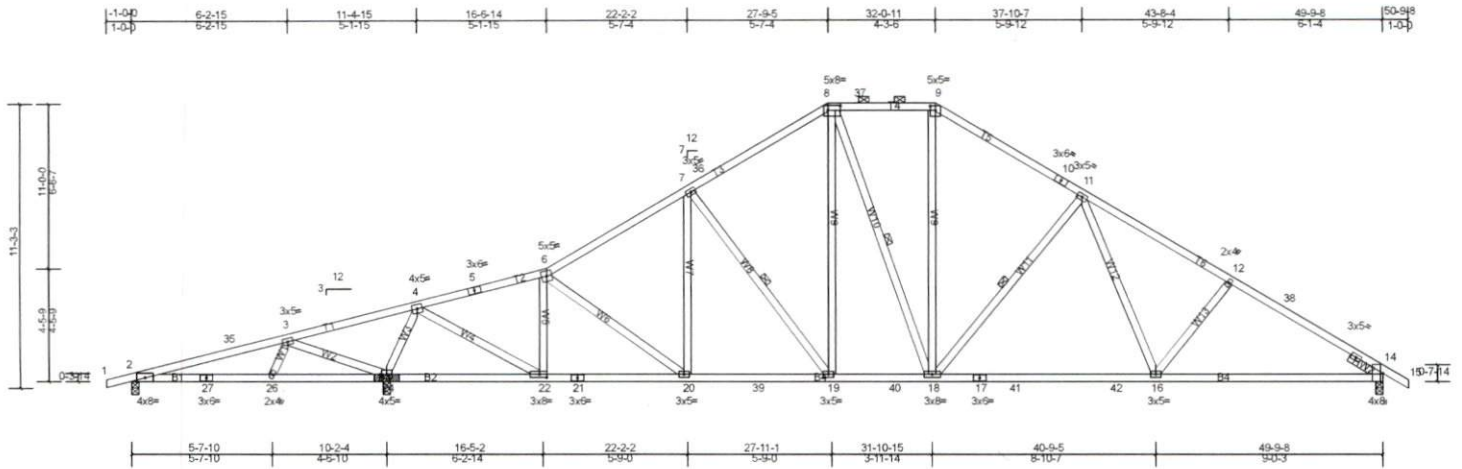
Job Q-1901210-1	Truss T3	Truss Type Piggyback Base	Qty 13	Ply 1	Hall Residence-Roof Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:87.9

Plate Offsets (X, Y): [8:0-6-0,0-2-4], [9:0-2-8,0-2-1], [14:0-3-13,Edge], [22:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.26	16-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.45	16-18	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 303 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except
 2-0-0 oc purlins (5-3-15 max.); 8-9.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-19, 8-18, 11-18

REACTIONS (lb/size) 2=144/0-3-8, (min. 0-1-8), 14=1561/0-3-8, (min. 0-2-7),
 24=2399/(0-3-8 + bearing block), (req. 0-3-12)
 Max Horiz 2=188 (LC 10)
 Max Uplift 2=53 (LC 7), 14=221 (LC 11), 24=291 (LC 11)
 Max Grav 2=181 (LC 20), 14=1565 (LC 17), 24=2399 (LC 1)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-35=-61/607, 3-35=-53/647, 3-4=-142/1368, 4-5=-1441/222, 5-6=-1399/230, 6-7=-1816/314, 7-36=-1593/322,
 8-36=-1513/352, 8-37=-1376/340, 9-37=-1376/340, 9-10=-1575/351, 10-11=-1658/319, 11-12=-2261/354,
 12-38=-2338/339, 13-38=-2415/309, 13-14=-897/0
 BOT CHORD 2-27=-580/99, 26-27=-580/99, 25-26=-637/81, 24-25=-637/81, 23-24=-454/94, 22-23=-454/94, 21-22=-86/1454,
 20-21=-86/1454, 20-39=-51/1609, 19-39=-51/1609, 19-40=0/1365, 18-40=0/1365, 17-18=-85/1695, 17-41=-85/1695,
 41-42=-85/1695, 16-42=-85/1695, 14-16=-184/2000
 WEBS 3-24=-798/152, 4-24=-2165/329, 4-22=-200/2049, 6-22=-913/173, 7-19=-408/149, 8-19=-72/439, 8-18=-69/265,
 9-18=-67/559, 11-18=-632/196, 11-16=-11/451

NOTES

- 2x4 SP No.1 bearing block 12" long at jt. 24 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=50ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 1-0-0 to 3-11-12, Interior (1) 3-11-12 to 27-9-5, Exterior (2) 27-9-5 to 37-0-7, Interior (1) 37-0-7 to 50-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 2, 291 lb uplift at joint 24 and 221 lb uplift at joint 14.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

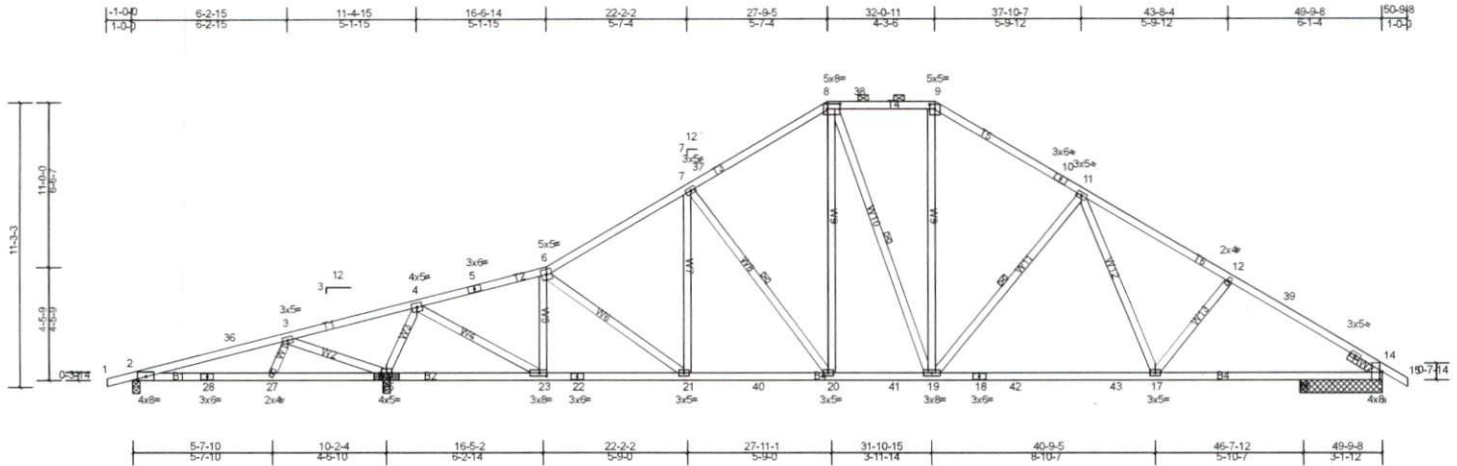
Job Q-1901210-1	Truss T3A	Truss Type Piggyback Base	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Scale = 1:87.9

Plate Offsets (X, Y): [8:0-6-0,0-2-4], [9:0-2-8,0-2-1], [14:0-3-13,Edge], [23:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	Vert(LL)	-0.24	17-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	Vert(CT)	-0.46	17-19	>954	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	Horz(CT)	0.08	14	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS						Weight: 303 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-9-1 oc purlins, except 2-0-0 oc purlins (5-4-0 max.): 8-9.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-20, 8-19, 11-19

REACTIONS All bearings 0-3-8, except 25=0-3-12(input: 0-3-8 + bearing block), 14=3-3-8
 (lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 25=293 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 16 except 25=2398 (LC 1)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-36=-60/614, 3-36=-51/653, 3-4=-140/1375, 4-5=-1429/225, 5-6=-1387/234, 6-7=-1811/318, 7-37=-1589/326, 8-37=-1509/356, 8-38=-1372/344, 9-38=-1372/344, 9-10=-1571/355, 10-11=-1654/323, 11-12=-2246/370, 12-39=-2320/356, 13-39=-2400/326, 13-14=-752/9
 BOT CHORD 2-28=-588/97, 27-28=-588/97, 26-27=-645/79, 25-26=-645/79, 24-25=-461/91, 23-24=-461/91, 22-23=-89/1450, 21-22=-89/1450, 21-40=-55/1606, 20-40=-55/1606, 20-41=0/1363, 19-41=0/1363, 18-19=-93/1690, 18-42=-93/1690, 42-43=-93/1690, 17-43=-93/1690, 16-17=-200/1984, 14-16=-200/1984
 WEBS 3-25=-798/152, 4-25=-2163/330, 4-23=-202/2050, 6-23=-914/174, 7-20=-407/149, 8-20=-73/438, 8-19=-70/263, 9-19=-69/558, 11-19=-626/203, 11-17=-24/439

NOTES

- 2x4 SP No.1 bearing block 12" long at jt. 25 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=50ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 1-0-0 to 3-11-12, Interior (1) 3-11-12 to 27-9-5, Exterior (2) 27-9-5 to 37-0-7, Interior (1) 37-0-7 to 50-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 25=292, 14=243.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

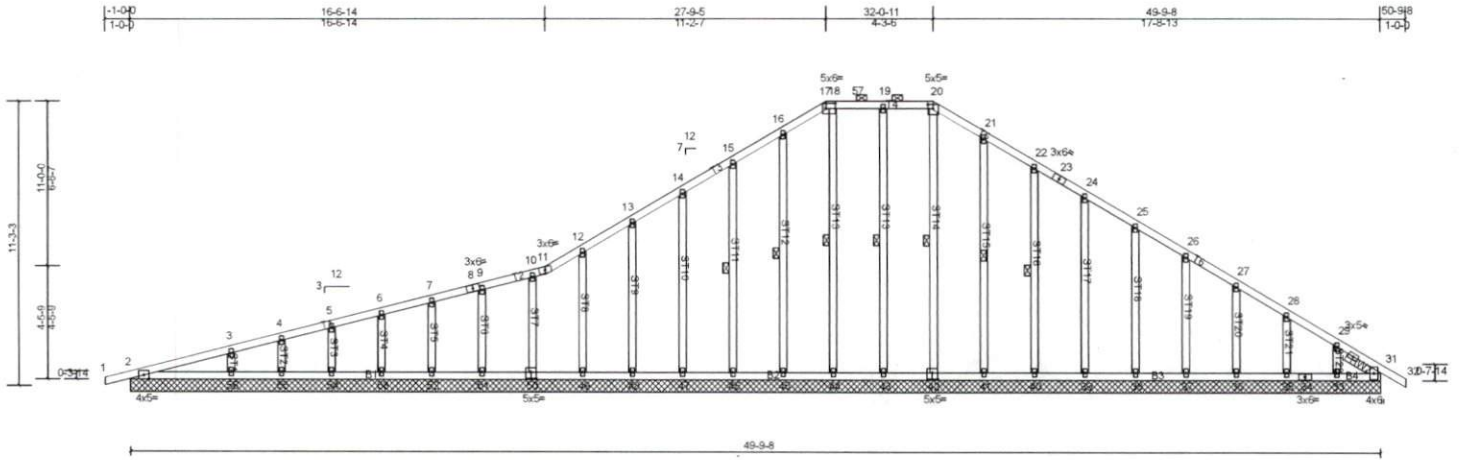
Job Q-1901210-1	Truss T3GE	Truss Type Piggyback Base Supported Gable	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:87.9

Plate Offsets (X, Y): [17:0-4-8,0-2-8], [20:0-2-8,0-2-1], [31:0-3-5,0-1-3], [42:0-2-8,0-3-0], [50:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	31	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S								
											Weight: 347 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.3
 SLIDER Right 2x4 SP No.3 - 1-6-4

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
 2-0-0 oc purlins (6-0-0 max.): 17-20.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 20-42, 19-43, 18-44, 16-45, 15-46, 21-41, 22-40

REACTIONS

All bearings 49-9-8.
 (lb) - Max Horiz 2=189 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 33, 35, 36, 37, 38, 39, 40, 41, 43, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 31, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55 except 56=317 (LC 20)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 16-17=-209/266, 20-21=-210/268

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=50ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 4-0-11, Exterior (2) 4-0-11 to 27-9-5, Corner (3) 27-9-5 to 37-0-7, Exterior (2) 37-0-7 to 50-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 43, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 41, 40, 39, 38, 37, 36, 35, 33.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	T4	Common	1	1	Job Reference (optional)

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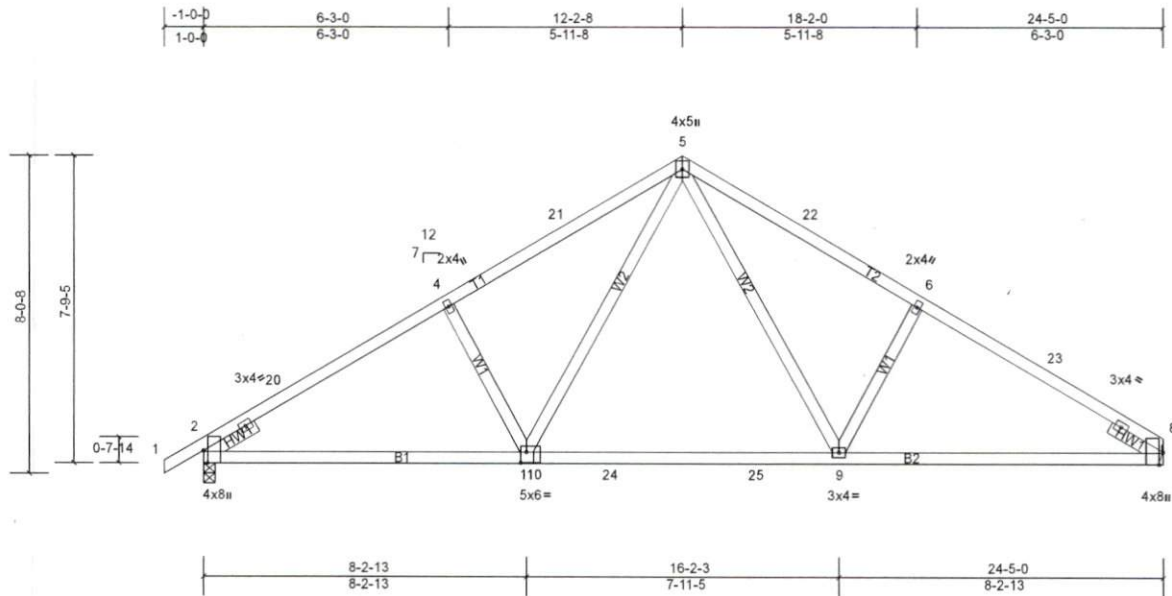


Plate Offsets (X, Y): [2:0-3-13,Edge], [8:0-3-13,Edge], [10:0-1-12,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.17	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.25	9-11	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 122 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 5-0-5 oc purtins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 2=1038/0-3-8, (min. 0-1-10), 8=975/ Mechanical, (min. 0-1-8)
 Max Horiz 2=135 (LC 10)
 Max Uplift 2=-156 (LC 11), 8=-120 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-733/0, 3-20=-1431/189, 4-20=-1294/220, 4-21=-1291/247, 5-21=-1195/265, 5-22=-1199/267, 6-22=-1295/249,
 6-23=-1298/222, 7-23=-1435/203, 7-8=-654/0
 BOT CHORD 2-11=-124/1226, 10-11=0/821, 10-24=0/821, 24-25=0/821, 9-25=0/821, 8-9=-113/1180
 WEBS 5-9=-76/567, 6-9=-331/181, 5-11=-72/561, 4-11=-327/179

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 12-2-8, Exterior (2) 12-2-8 to 15-2-8, Interior (1) 15-2-8 to 24-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 8 and 156 lb uplift at joint 2.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	T4GE	Common Supported Gable	1	1	Job Reference (optional)

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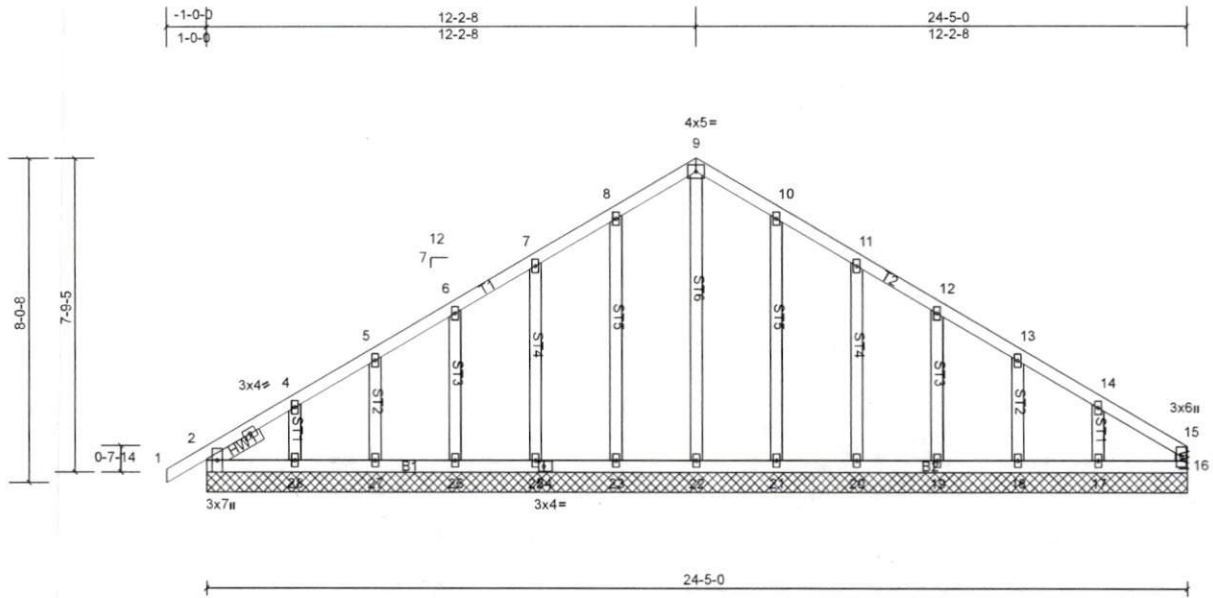


Plate Offsets (X, Y): [2:0-3-13,Edge], [24:0-1-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 149 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 - 1-6-4

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 24-5-0.
 (lb) - Max Horiz 2=143 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 2, 17, 18, 19, 20, 21, 23, 25, 26, 27, 28
 Max Grav All reactions 250 (lb) or less at joint(s) 2, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28

FORCES

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 2-2-8, Exterior (2) 2-2-8 to 12-2-8, Corner (3) 12-2-8 to 15-2-8, Exterior (2) 15-2-8 to 24-3-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 23, 25, 26, 27, 28, 21, 20, 19, 18, 17.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job Q-1901210-1	Truss T5	Truss Type Common	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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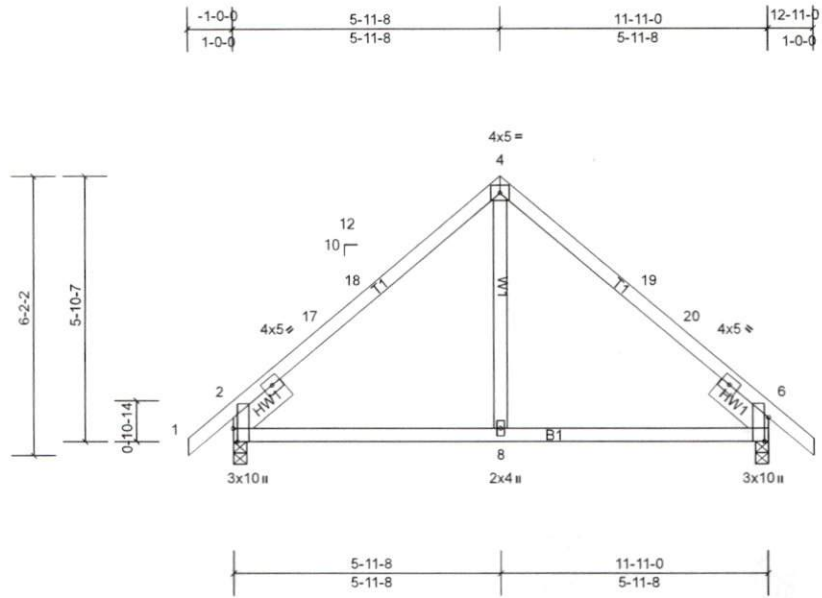


Plate Offsets (X, Y): [2:0-3-8,Edge], [6:0-6-5,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.03	8-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.05	8-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 60 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 - 1-6-0, Right 2x6 SP No.2 - 1-6-0

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS (lb/size) 2=537/0-3-8, (min. 0-1-8), 6=537/0-3-8, (min. 0-1-8)
 Max Horiz 2=110 (LC 10)
 Max Uplift 2=94 (LC 11), 6=-94 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-17=-470/74, 17-18=-388/81, 4-18=-374/104, 4-19=-374/104, 19-20=-388/81, 5-20=-470/74
 BOT CHORD 2-8=-71/297, 6-8=0/297

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 5-11-8, Exterior (2) 5-11-8 to 8-11-8, Interior (1) 8-11-8 to 12-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 2 and 94 lb uplift at joint 6.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

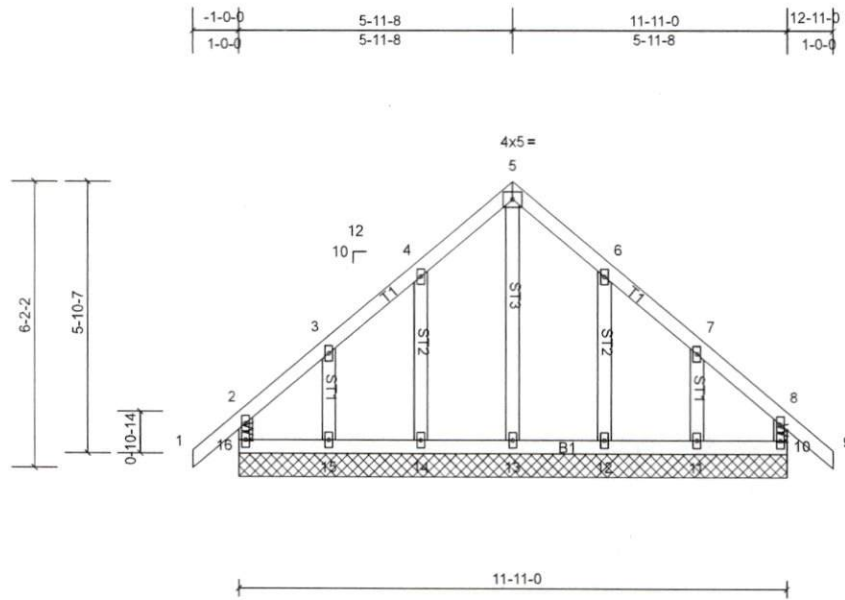
Job Q-1901210-1	Truss T5GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Scale = 1:48

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-R							Weight: 71 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.

Rigid ceiling directly applied or 6'-0" oc bracing.

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

REACTIONS

All bearings 11'-11"-0."
 (lb) - Max Horiz 16=130 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 10, 11, 12, 14, 15, 16
 Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15, 16

FORCES

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 1-11-8, Exterior (2) 1-11-8 to 5-11-8, Corner (3) 5-11-8 to 8-11-8, Exterior (2) 8-11-8 to 12-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2'-0" oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06"-00 tall by 2'-00"-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10, 14, 15, 12, 11.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job Q-1901210-1	Truss T5GRD	Truss Type Common Girder	Qty 1	Ply 2	Hall Residence-Roof Job Reference (optional)
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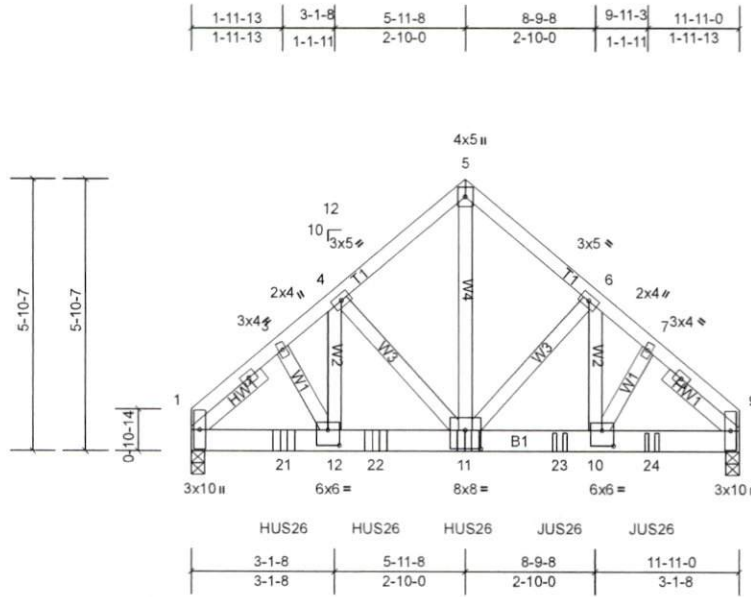


Plate Offsets (X, Y): [1:0-5-0,0-0-12], [9:0-5-13,0-0-12], [10:0-3-0,0-4-0], [11:0-4-0,0-4-12], [12:0-3-0,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.03	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.06	11-12	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 181 lb FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 - 2-0-0, Right 2x4 SP No.3 - 2-0-0	

REACTIONS (lb/size) 1=3628/0-3-8, (min. 0-2-14), 9=3252/0-3-8, (min. 0-2-9)
 Max Horiz 1=94 (LC 23)
 Max Uplift 1=-480 (LC 7), 9=-433 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-2385/330, 2-3=-4106/572, 3-4=-4029/577, 4-5=-3025/476, 5-6=-3024/476, 6-7=-3612/523, 7-8=-3679/517, 8-9=-2127/298
 BOT CHORD 1-21=-373/2941, 12-21=-373/2941, 12-22=-386/3156, 11-22=-386/3156, 11-23=-343/2823, 10-23=-343/2823, 10-24=-334/2638, 9-24=-334/2638
 WEBS 5-11=-533/3623, 3-12=-58/433, 4-12=-176/1399, 4-11=-1282/231, 6-11=-789/168, 6-10=-98/786, 7-10=-50/373

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 5-11 2x4 - 1 row at 0-8-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 480 lb uplift at joint 1 and 433 lb uplift at joint 9.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-4 from the left end to 6-0-4 to connect truss(es) T1A (1 ply 2x4 SP) to back face of bottom chord.
 - Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 8-0-4 from the left end to 10-0-4 to connect truss(es) T1SE (1 ply 2x4 SP), T4 (1 ply 2x4 SP) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-5=-60, 5-9=-60, 13-17=-20
 Concentrated Loads (lb)
 Vert: 11=-1357 (B), 21=-1357 (B), 22=-1357 (B), 23=-899 (B), 24=-955 (B)

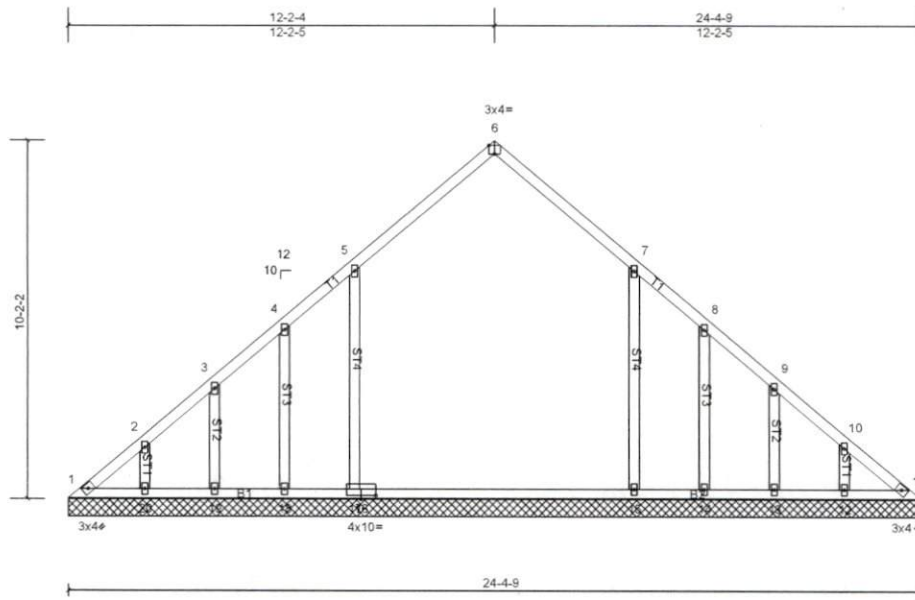
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	V1	Valley	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user

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Scale = 1:63.1

Plate Offsets (X, Y): [6:0-2-0,Edge], [16:0-5-0,0-1-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.19	Horiz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S								Weight: 127 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS All bearings 24-4-9.

(lb) - Max Horiz 1=187 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 11, 12, 13, 15, 17, 19, 20 except 14=154 (LC 15), 18=153 (LC 15)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 11, 12, 13, 14, 18, 19, 20 except 15=599 (LC 17), 17=595 (LC 16)

FORCES

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

TOP CHORD 1-2=-271/131, 5-6=-257/83, 6-7=-257/83, 10-11=-271/131

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) 0-4-13 to 3-4-13, Exterior (2) 3-4-13 to 12-2-9, Corner (3) 12-2-9 to 15-2-9, Exterior (2) 15-2-9 to 24-0-5 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 17, 19, 20, 15, 13, 12 except (jt=lb) 18=153, 14=153.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

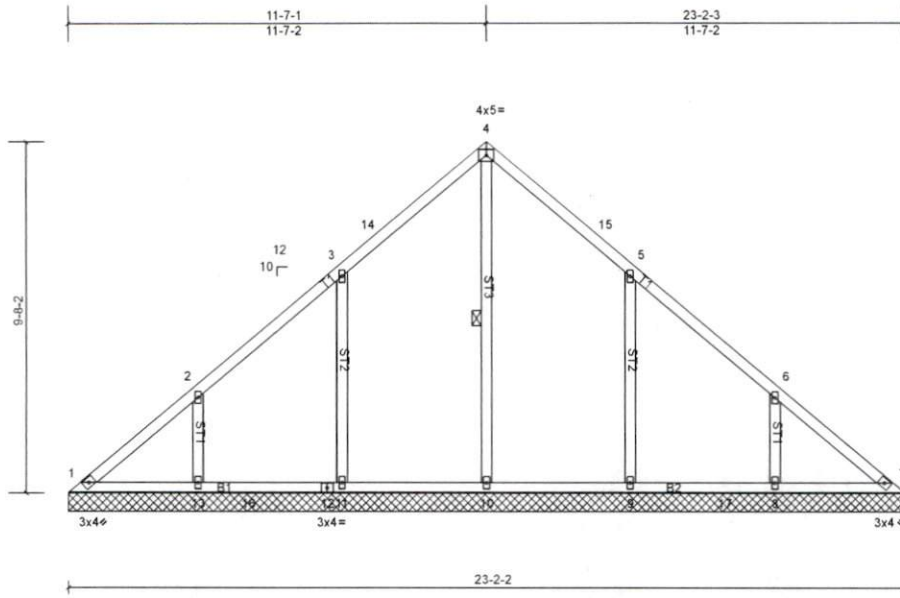
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	V2	Valley	1	1	Job Reference (optional)

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Scale = 1:61.2

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.19	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 116 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD
 WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.
 1 Row at midpt 4-10

REACTIONS All bearings 23-2-2.

(lb) - Max Horiz 1=-177 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 8=-132 (LC 11),
 9=-143 (LC 11), 11=-143 (LC 11), 13=-132 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 7 except 8=351 (LC
 17), 9=472 (LC 17), 10=347 (LC 16), 11=472 (LC 16), 13=350
 (LC 16)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-11=-273/192, 5-9=-272/192

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=23ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-4-13 to 3-7-6, Interior (1) 3-7-6 to 11-7-6, Exterior (2) 11-7-6 to 14-7-6, Interior (1) 14-7-6 to 22-9-15 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=143, 13=132, 9=143, 8=132.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

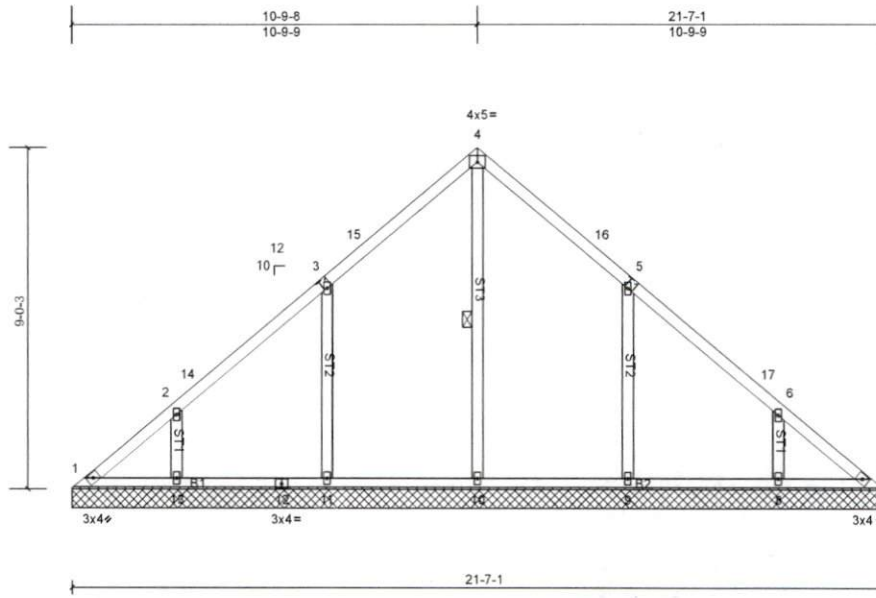
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	V3	Valley	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user

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Scale = 1:58.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S						Weight: 106 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD
 WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.
 1 Row at midpt 4-10

REACTIONS All bearings 21-7-1.

(lb) - Max Horiz 1=-165 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 1, 7 except 8=-118 (LC 11),
 9=-146 (LC 11), 11=-146 (LC 11), 13=-118 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 7 except 8=284 (LC
 17), 9=418 (LC 17), 10=359 (LC 16), 11=418 (LC 16), 13=284
 (LC 16)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-11=-278/196, 5-9=-277/196

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=22ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-4-13 to 3-4-13, Interior (1) 3-4-13 to 10-9-13, Exterior (2) 10-9-13 to 13-9-13, Interior (1) 13-9-13 to 21-2-13 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=146, 13=117, 9=146, 8=117.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

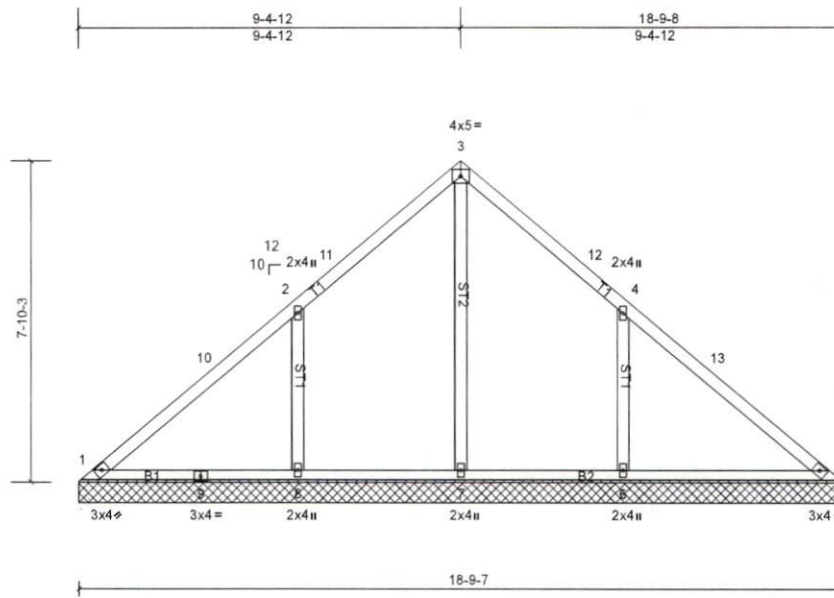
Job Q-1901210-1	Truss V4	Truss Type Valley	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Scale = 1:54.3

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 85 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS All bearings 18-9-7.

(lb) - Max Horiz 1=-143 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) except 6=-186 (LC 11),
 8=-186 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=514 (LC 17), 7=320 (LC 16), 8=514 (LC 16)

FORCES

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

WEBS 2-8=-341/237, 4-6=-341/237

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-4-13 to 3-4-13, Interior (1) 3-4-13 to 9-5-0, Exterior (2) 9-5-0 to 12-5-0, Interior (1) 12-5-0 to 18-5-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-00-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 8 and 186 lb uplift at joint 6.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

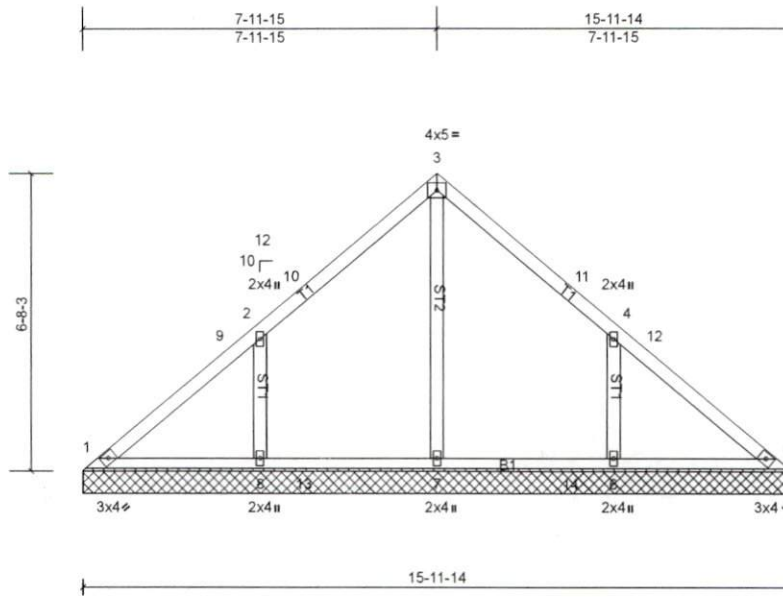
Job Q-1901210-1	Truss V5	Truss Type Valley	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Scale = 1:49.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 71 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS All bearings 15-11-14.

(lb) - Max Horiz 1=121 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) except 6=153 (LC 11),
 8=153 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=403 (LC
 17), 7=342 (LC 16), 8=403 (LC 16)

FORCES

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

WEBS 2-8=282/196, 4-6=282/196

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-4-13 to 3-4-13, Interior (1) 3-4-13 to 8-0-4, Exterior (2) 8-0-4 to 11-0-4, Interior (1) 11-0-4 to 15-7-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 8 and 152 lb uplift at joint 6.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

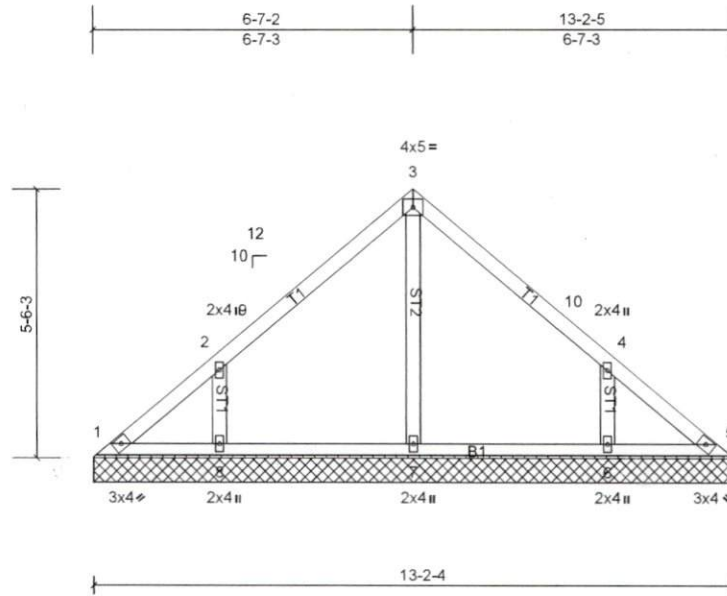
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	V6	Valley	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user

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Scale = 1:45.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 56 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS All bearings 13-2-4.

(lb) - Max Horiz 1=98 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=130 (LC 11),
 8=130 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 7 except 6=313 (LC 17), 8=313 (LC 16)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCCL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-4-13 to 3-4-13, Interior (1) 3-4-13 to 6-7-7, Exterior (2) 6-7-7 to 9-7-7, Interior (1) 9-7-7 to 12-10-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=129, 6=129.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

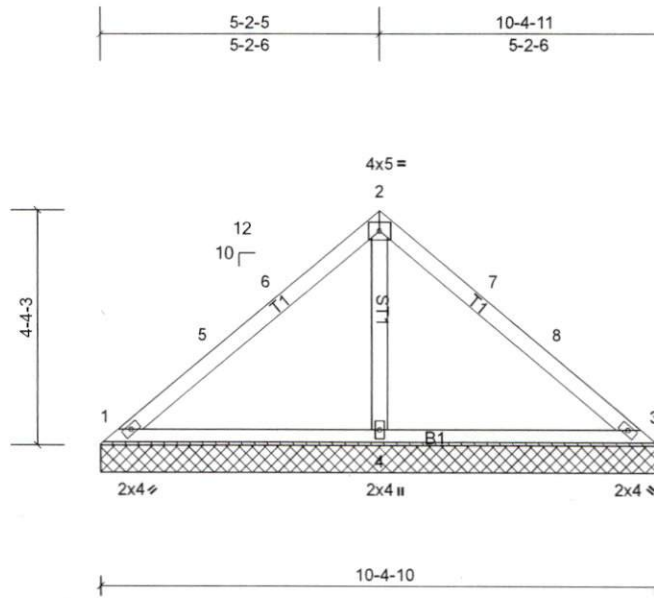
Job Q-1901210-1	Truss V7	Truss Type Valley	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Scale = 1:41.1

Loading	(psf)	Spacing	2-0-0	CSI	0.24	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 40 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS (lb/size) 1=208/10-4-10, (min. 0-1-8), 3=208/10-4-10, (min. 0-1-8),
 4=354/10-4-10, (min. 0-1-8)

Max Horiz 1=-76 (LC 9)

Max Uplift 1=-45 (LC 11), 3=-45 (LC 11), 4=-6 (LC 11)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-4-13 to 3-4-13, Interior (1) 3-4-13 to 5-2-10, Exterior (2) 5-2-10 to 8-2-10, Interior (1) 8-2-10 to 10-0-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 1, 45 lb uplift at joint 3 and 6 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

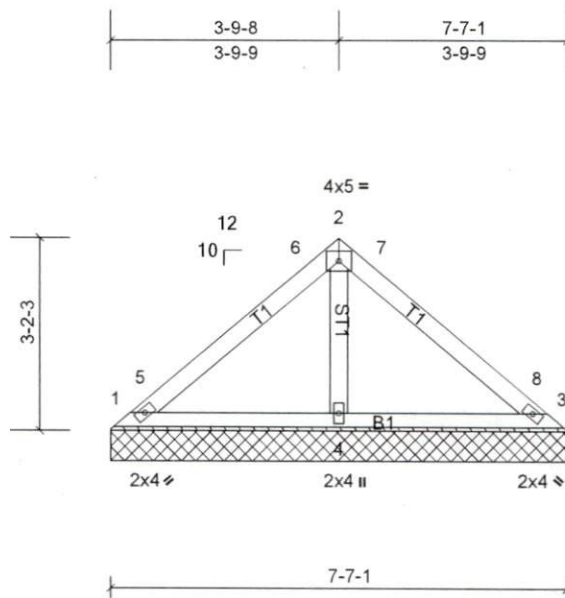
Job Q-1901210-1	Truss V8	Truss Type Valley	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:36.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-P							Weight: 28 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS (lb/size) 1=160/7-7-1, (min. 0-1-8), 3=160/7-7-1, (min. 0-1-8),
 4=227/7-7-1, (min. 0-1-8)
 Max Horiz 1=54 (LC 10)
 Max Uplift 1=-42 (LC 11), 3=-42 (LC 11)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-4-13 to 3-4-13, Interior (1) 3-4-13 to 3-9-13, Exterior (2) 3-9-13 to 6-9-13, Interior (1) 6-9-13 to 7-2-13 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 1 and 42 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

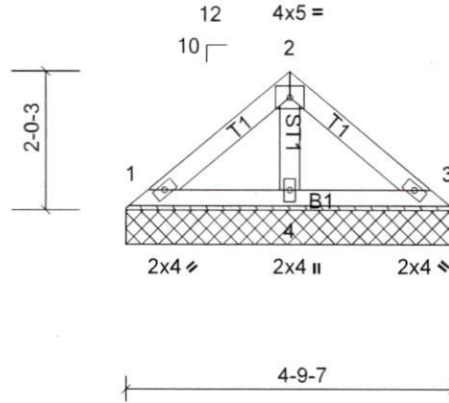
Job Q-1901210-1	Truss V9	Truss Type Valley	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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ID:BhXgJISwIZnVw1_B1GRZxNyXWVB-pl2N9lgr??bZChQQg41HWskDI3k4yUTvFQHgoDyxSbu



Scale = 1:32.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-P							Weight: 17 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-10-1 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 1=94/4-9-7, (min. 0-1-8), 3=94/4-9-7, (min. 0-1-8), 4=134/4-9-7, (min. 0-1-8)
 Max Horiz 1=32 (LC 10)
 Max Uplift 1=-25 (LC 11), 3=-25 (LC 11)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 1 and 25 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

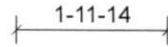
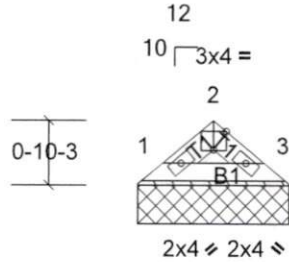
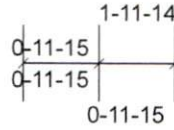
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	V10	Valley	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user

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Scale = 1:29.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.00	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-P							Weight: 5 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 2-0-7 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=49/1-11-14, (min. 0-1-8), 3=49/1-11-14, (min. 0-1-8)
Max Horiz 1=-10 (LC 9)
Max Uplift 1=-6 (LC 11), 3=-6 (LC 11)

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

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 1 and 6 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

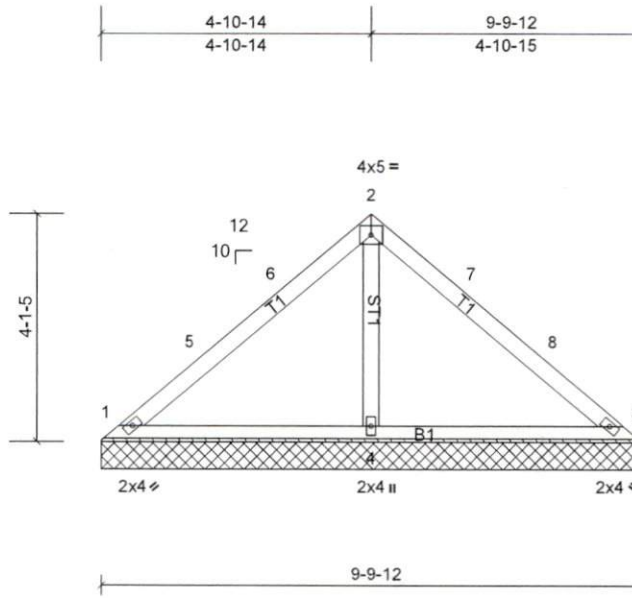
Job	Truss	Truss Type	Qty	Ply	Hall Residence-Roof
Q-1901210-1	V11	Valley	1	1	Job Reference (optional)

Peak Truss Builders LLC, New Hill, user

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Scale = 1:40.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-S							Weight: 37 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS (lb/size) 1=196/9-9-12, (min. 0-1-8), 3=196/9-9-12, (min. 0-1-8),
 4=333/9-9-12, (min. 0-1-8)
 Max Horiz 1=-72 (LC 9)
 Max Uplift 1=-42 (LC 11), 3=-42 (LC 11), 4=-5 (LC 11)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-4-13 to 3-4-13, Interior (1) 3-4-13 to 4-11-3, Exterior (2) 4-11-3 to 7-11-3, Interior (1) 7-11-3 to 9-5-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 1, 42 lb uplift at joint 3 and 5 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

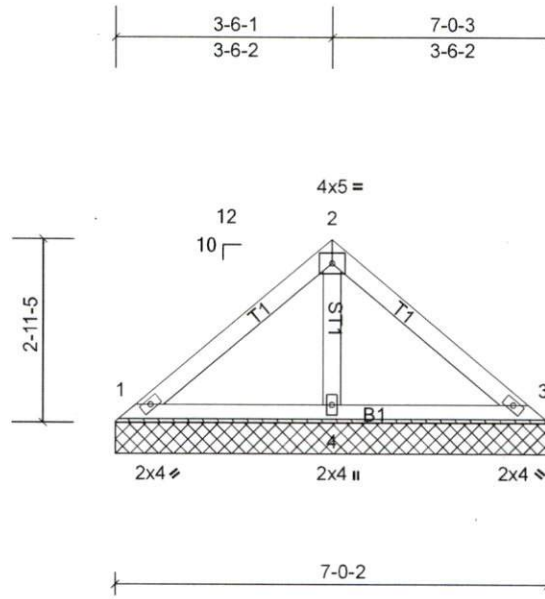
Job Q-1901210-1	Truss V12	Truss Type Valley	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:35.8

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-P							Weight: 26 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

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

REACTIONS (lb/size) 1=146/7-0-2, (min. 0-1-8), 3=146/7-0-2, (min. 0-1-8),
 4=208/7-0-2, (min. 0-1-8)
 Max Horiz 1=50 (LC 9)
 Max Uplift 1=39 (LC 11), 3=39 (LC 11)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 1 and 39 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

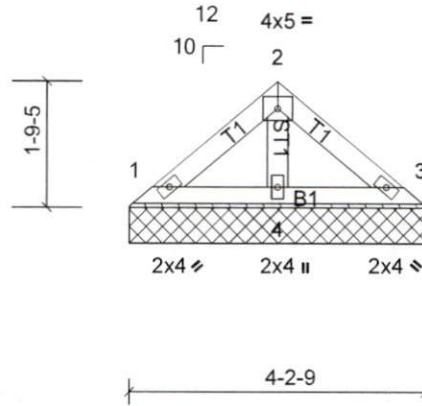
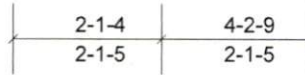
Job Q-1901210-1	Truss V13	Truss Type Valley	Qty 1	Ply 1	Hall Residence-Roof Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:31.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-P							Weight: 15 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-3-2 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 1=81/4-2-9, (min. 0-1-8), 3=81/4-2-9, (min. 0-1-8), 4=115/4-2-9, (min. 0-1-8)

Max Horiz 1=-27 (LC 9)

Max Uplift 1=-21 (LC 11), 3=-21 (LC 11)

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

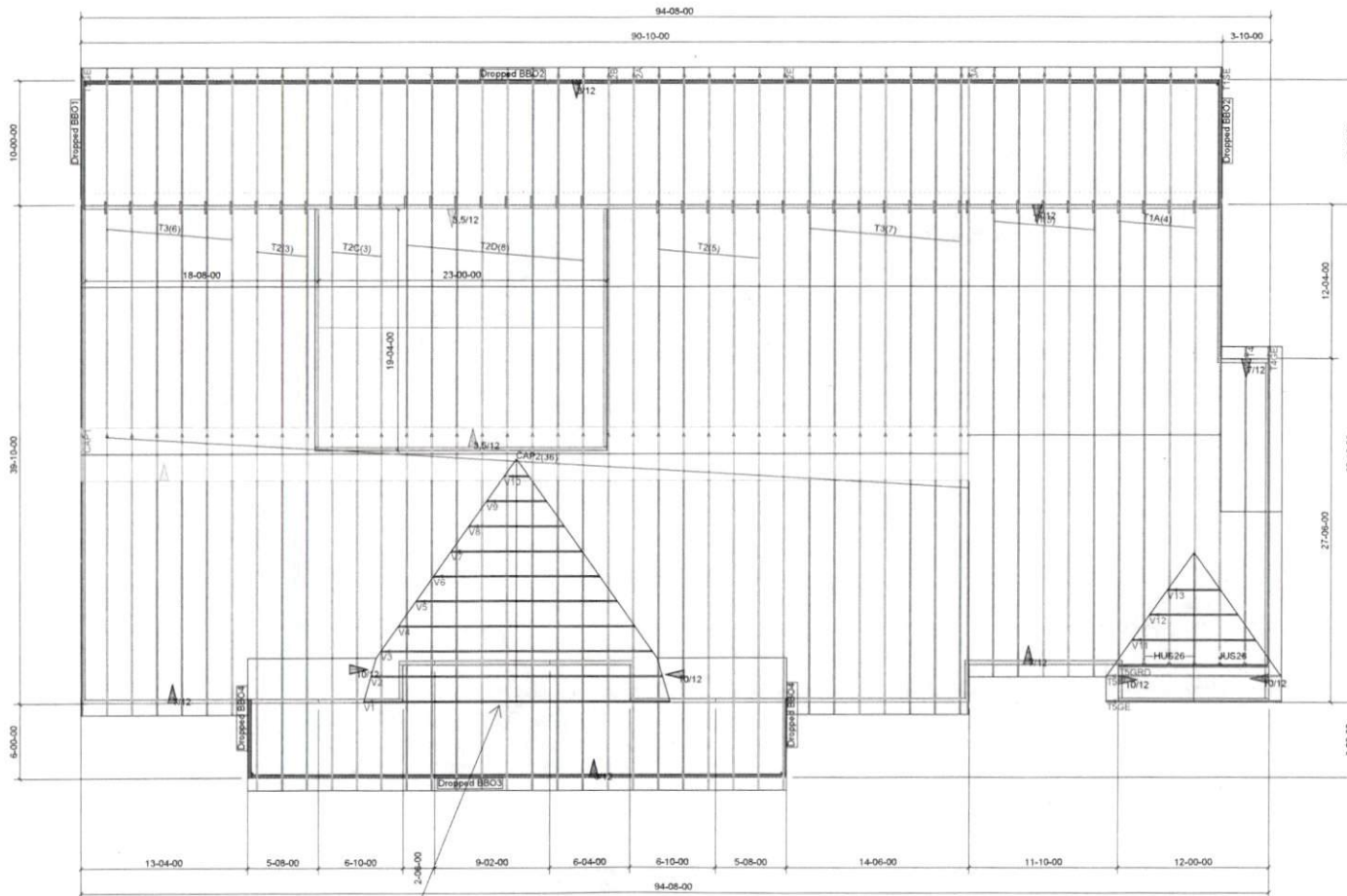
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 1 and 21 lb uplift at joint 3.
- 6) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

THIS LAYOUT IS TO BE USED AS A TRUSS PLACEMENT GUIDE ONLY.
PLEASE REFER TO BUILDING PLANS FOR BUILDING CONSTRUCTION AND DETAILS,
SUCH AS PLUMBING OR DUCT DROPS.

PROPOSED DESIGN-
NOT FOR
CONSTRUCTION



Hall Residence
Roof Trusses
2' OC, 1' OH

Truss Connector Total List		
Manuf	Product	Qty
USP	HUS26	3
USP	JUS26	2

- Notes:
- Exterior dimensions shown are assumed to be:
 - Out-to-out of stud
 - Out-to-out of sheathing
 - Adjust truss locations as needed for plumbing and mechanical clearances. Unless otherwise noted, trusses may be shifted as long as O.C. spacing shown is not exceeded.
 - Do not cut, drill, or otherwise damage any part of any truss without prior approval from Peak Truss.
 - Do not approve drawings if any information herein is unclear. Once ordered trusses will be fabricated as approved.
 - Please contact Peak Truss Builders with any questions. We are available to help any way we can. We can be reached at 919-545-5555 or sales@peaktruss.com

Roof Truss Loading per
2018 NC Residential Code

Top Chord Live Load	20# PSF
Top Chord Dead Load	10# PSF
Bottom Chord Live Load	0# PSF
Bottom Chord Dead Load	10# PSF

Trusses are designed for additional storage load wherever a 42"x24" box will fit between the webs.

- △ - This symbol denotes left end of truss as shown on truss drawings
- - Approximate location of toilet drop. Builder please confirm.

Truss connections by others:

- (N) - Nailed
- (L) - Ledger

Job #

Q-1901210

Hall Residence

Lillington NC

Date Quoted:

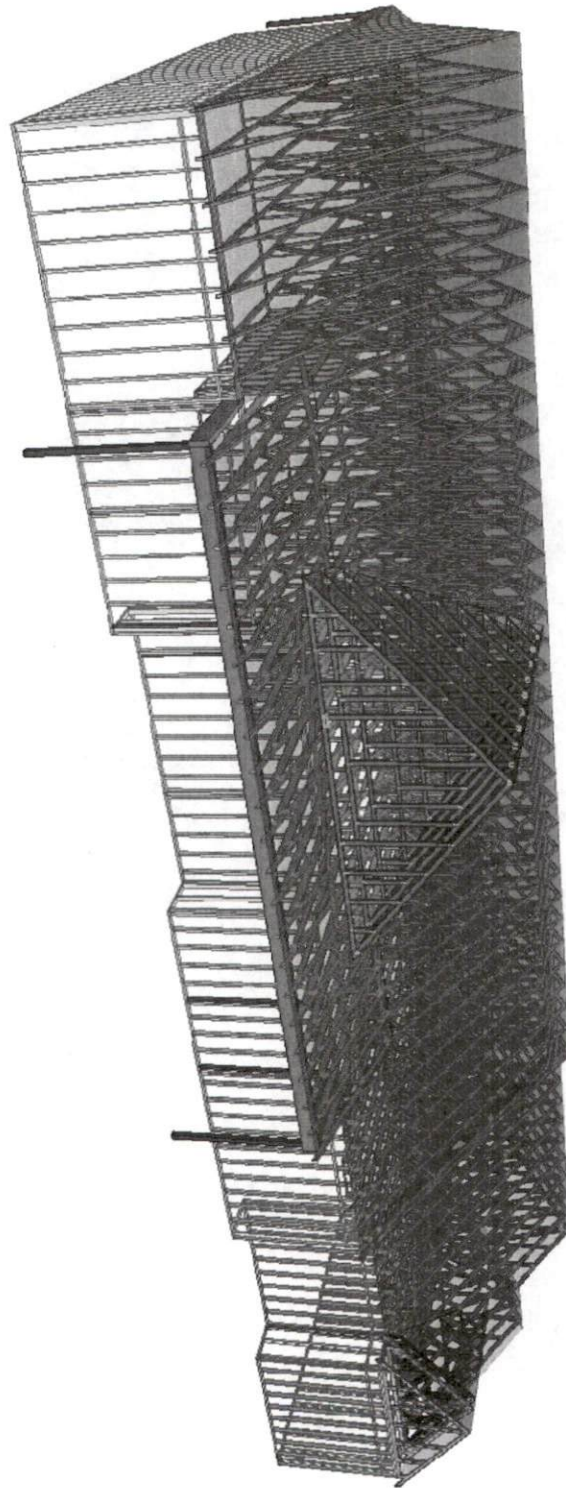
Designer:

Torrance Hamilton

Value Customer

Peak Truss Builders, LLC
PO Box 340, New Hill, NC 27562





Value Customer

Date Quoted:

Designer:
Torrance Hamilton

Hall Residence
Lillington NC

Job #
Q-1901210