Job	Truss	Truss Type	Qty	Ply	Walker Custom
201753	A1	Piggyback Base	2	1	Job Reference (optional)

Heartland Truss, Inc., Plattsburg, MO.

Run: 8.310 s Sep 9 2019 Print: 8.310 s Sep 9 2019 MiTek Industries, Inc. Wed Sep 23 11:54:55 2020 Page 1
ID:qtLxzIWUQcDgpd39wasymGzsryy-qDJEONWAxBEqAKMaPRqqrV2sqNudvwpJrCQxk6yaloU

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

11/03/2020 Dylan Eppert

Scale = 1:86.1

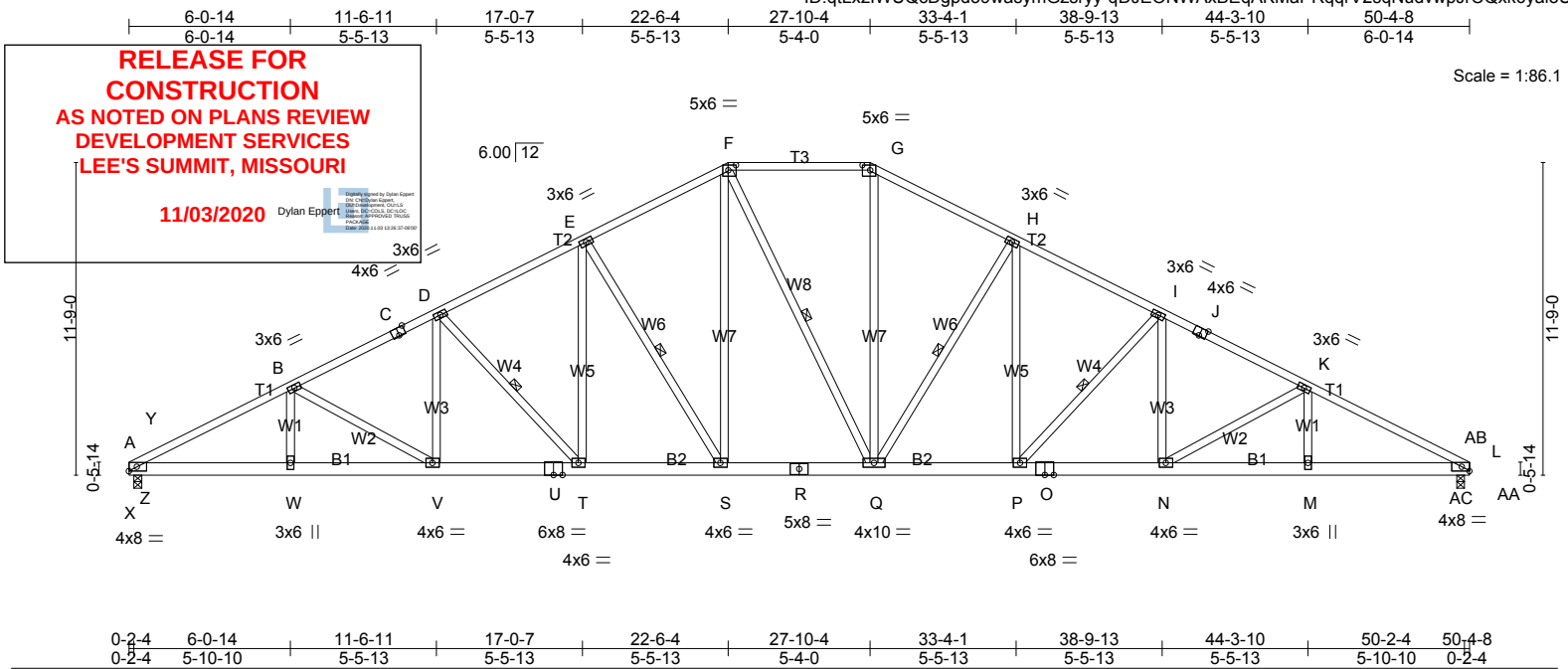


Plate Offsets (X,Y)-- [C:0-3-0,Edge], [F:0-3-8,0-2-4], [G:0-3-8,0-2-4], [J:0-3-0,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.44	S-T	>999	240	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.67	S-T	>901	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.20	L	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 370 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP 1650F 1.5E *Except*
T1: 2x4 SP No.2
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-8-0 max.): F-G.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt D-T, E-S, F-Q, H-Q, I-P

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

REACTIONS. (lb/size) A=2267/0-3-8 (min. 0-3-6), L=2267/0-3-8 (min. 0-3-6)
Max Horz A=190(LC 12)
Max Uplift A=-249(LC 12), L=-249(LC 13)
Max Grav A=2862(LC 32), L=2862(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-Y=-1995/120, Y-AD=-5692/496, B-AD=-5538/511, B-AE=-5259/479, C-AE=-5164/491, C-D=-5049/505, D-AF=-4583/481, AF-AG=-4442/492, E-AG=-4320/507, E-AH=-3818/492, F-AH=-3652/511, F-AI=-3252/490, G-AI=-3252/490, G-AJ=-3659/511, H-AJ=-3824/492, H-AK=-4318/507, AK-AL=-4440/492, I-AL=-4581/481, I-J=-5050/505, J-AM=-5165/491, K-AM=-5259/479, K-AN=-5538/511, AB-AN=-5692/496, L-AB=-1995/120
BOT CHORD X-Z=-266/2079, W-Z=-545/5014, V-W=-545/5014, U-V=-407/4619, T-U=-407/4619, S-T=-274/3973, R-S=-132/3247, Q-R=-132/3247, P-Q=-208/3971, O-P=-288/4619, N-O=-288/4619, M-N=-383/5013, M-AC=-383/5013, AA-AC=-153/2079
WEBS B-V=-477/159, D-V=-12/394, D-T=-946/195, E-T=-78/784, E-S=-1349/265, F-S=-158/1254, F-Q=-333/350, G-Q=-96/1265, H-Q=-1334/264, H-P=-78/770, I-P=-950/195, I-N=-12/396, K-N=-476/161, A-X=-1319/94, Y-Z=-566/230, X-Y=-1887/125, A-Z=-128/1174, L-AA=-1319/94, AB-AC=-566/222, AA-AB=-1887/125, L-AC=-83/1174

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 5-0-7, Interior(1) 5-0-7 to 15-4-12, Exterior(2R) 15-4-12 to 34-11-12, Interior(1) 34-11-12 to 45-4-1, Exterior(2E) 45-4-1 to 50-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=249, L=249.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) 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

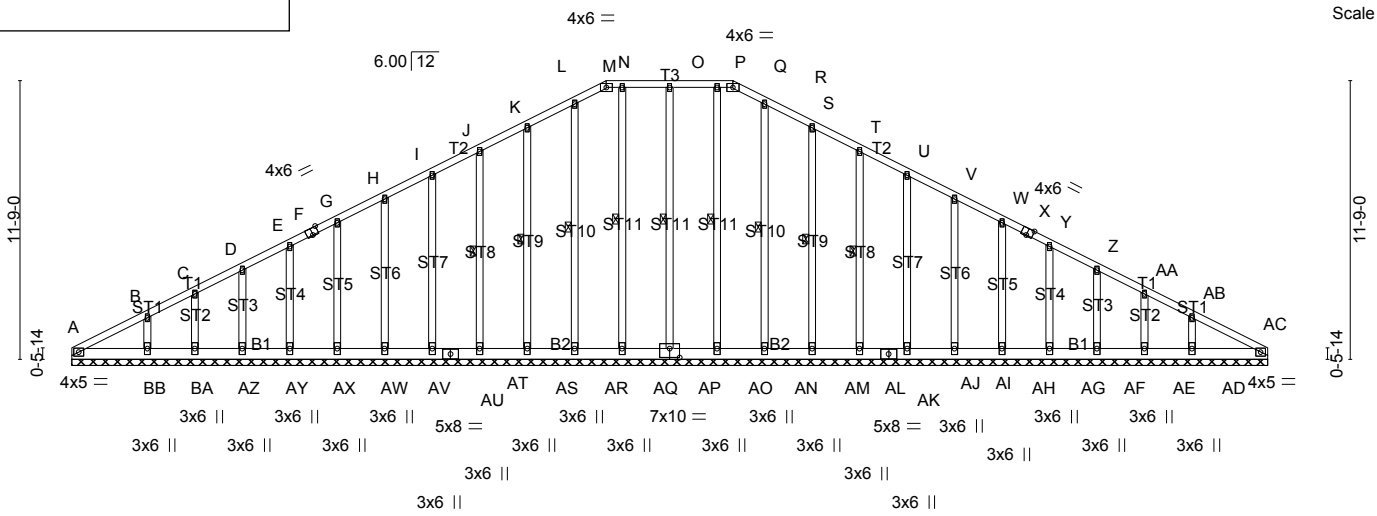
Job	Truss	Truss Type	Qty	Ply	Walker Custom
201733	A15	GABLE	2	1	Job Reference (optional)

Heartland Truss, Inc., Plattsburg, MO.

Run: 8.310 s Sep 9 2019 Print: 8.310 s Sep 9 2019 MiTek Industries, Inc. Wed Sep 23 11:54:58 2020 Page 1
ID:qtLxzIWUQcDgpd39wasymGzsryy-Eo_M0PY2E6cP1o494ZOXT7gbka4Y6OZIXAebKQyaloR

22-6-4 | 27-10-4 | 50-4-8
22-6-4 | 5-4-0 | 22-6-4

Scale = 1:97.0



50-4-8
50-4-8

Plate Offsets (X,Y)-- [F:0-3-0,Edge], [X:0-3-0,Edge], [AP:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	AC	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-S							Weight: 425 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): M-Q.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt O-AP, N-AQ, L-AR, K-AS, J-AT, P-AO, R-AN, S-AM, T-AL

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

REACTIONS. All bearings 50-4-8.
(lb) - Max Horz A=191(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) AP, AR, AS, AT, AV, AW, AX, AY, AZ, BA, BB, AN, AM, AL, AJ, AI, AH, AG, AF, AE, AD
Max Grav All reactions 250 lb or less at joint(s) A, AC, AQ, AZ, BA, AO, AF, AE except AP=293(LC 31), AR=267(LC 32), AS=282(LC 32), AT=278(LC 32), AV=278(LC 32), AW=277(LC 32), AX=282(LC 32), AY=256(LC 32), BB=293(LC 34), AN=267(LC 32), AM=282(LC 32), AL=278(LC 32), AJ=278(LC 32), AI=277(LC 32), AH=282(LC 32), AG=256(LC 32), AD=293(LC 36)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-283/81, K-L=-108/279, L-M=-117/300, M-N=-110/292, N-O=-110/292, O-P=-110/292, P-Q=-110/292, Q-R=-117/300, R-S=-108/279
WEBS O-AP=-253/91

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-0-0 to 5-2-4, Exterior(2N) 5-2-4 to 17-2-4, Corner(3R) 17-2-4 to 33-2-4, Exterior(2N) 33-2-4 to 45-2-4, Corner(3E) 45-2-4 to 50-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) 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.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) AP, AR, AS, AT, AV, AW, AX, AY, AZ, BA, BB, AN, AM, AL, AJ, AI, AH, AG, AF, AE, AD.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201758	T6	GABLE	2	1	Job Reference (optional)

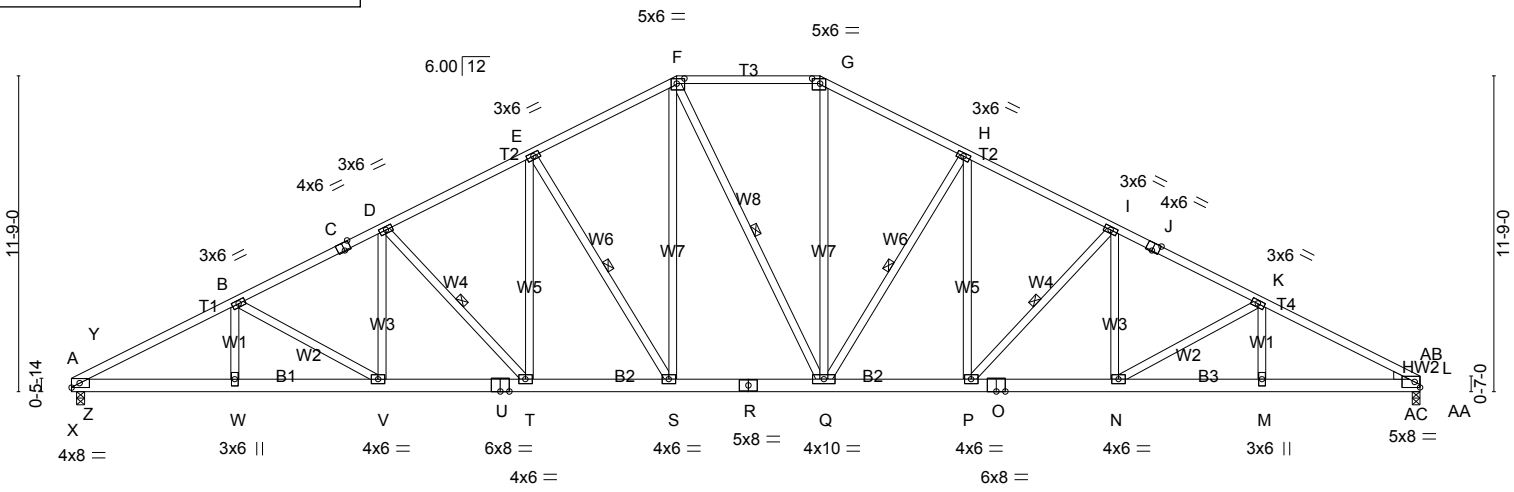
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
2017[illegible]	A2	Piggyback Base	13	1	Job Reference (optional)

Heartland Truss, Inc., Plattsburg, MO. Run: 8.310 s Sep 9 2019 Print: 8.310 s Sep 9 2019 MiTek Industries, Inc. Wed Sep 23 11:55:01 2020 Page 1
ID:qtLxzIWUQcDgpd39wasymGzsryy-fNgVfQaxX1__uFpkmixE5mIuPntAJeIBD7tFxlyaloO

6-0-14	11-6-11	17-0-7	22-6-4	27-10-4	33-4-1	38-9-13	44-3-10	50-4-8
6-0-14	5-5-13	5-5-13	5-5-13	5-4-0	5-5-13	5-5-13	5-5-13	6-0-14

Scale = 1:85.8



0-2-4	6-0-14	11-6-11	17-0-7	22-6-4	27-10-4	33-4-1	38-9-13	44-3-10	50-2-4	50-4-8
0-2-4	5-10-10	5-5-13	5-5-13	5-5-13	5-4-0	5-5-13	5-5-13	5-5-13	5-10-10	0-2-4

Plate Offsets (X,Y)-- [C:0-3-0,Edge], [F:0-3-8,0-2-4], [G:0-3-8,0-2-4], [J:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.43	S-T	>999	240	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.66	S-T	>915	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.19	L	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 370 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP 1650F 1.5E *Except*
T1: 2x4 SP No.2
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-8-4 max.): F-G.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: M-AC.
WEBS 1 Row at midpt D-T, E-S, F-Q, H-Q, I-P

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

REACTIONS. (lb/size) A=2258/0-3-8 (min. 0-3-6), L=2258/0-3-8 (min. 0-3-6)
Max Horz A=192(LC 12)
Max Uplift A=-248(LC 12), L=-247(LC 13)
Max Grav A=2851(LC 32), L=2855(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-Y=-1987/119, Y-AD=-5670/494, B-AD=-5515/509, B-AE=-5235/477, C-AE=-5140/489, C-D=-5026/503, D-AF=-4559/479, AF-AG=-4418/490, E-AG=-4296/505, E-AH=-3795/490, F-AH=-3629/509, F-AI=-3226/487, G-AI=-3226/487, G-AJ=-3630/509, H-AJ=-3795/490, H-AK=-4271/503, AK-AL=-4393/488, I-AL=-4534/477, I-J=-4975/499, J-AM=-5092/485, K-AM=-5185/473, K-AN=-5332/494, AB-AN=-5487/479, L-AB=-1860/82
BOT CHORD X-Z=-267/2071, W-Z=-547/4994, V-W=-547/4994, U-V=-408/4598, T-U=-408/4598, S-T=-275/3952, R-S=-134/3226, Q-R=-134/3226, P-Q=-207/3929, O-P=-285/4555, N-O=-285/4555, M-N=-370/4822, M-AC=-370/4822, AA-AC=-137/1607
WEBS B-V=-477/159, D-V=-12/394, D-T=-946/195, E-T=-78/785, E-S=-1349/265, F-S=-158/1254, F-Q=-339/342, G-Q=-95/1251, H-Q=-1304/262, H-P=-75/737, I-P=-917/192, I-N=-9/374, K-N=-362/148, A-X=-1314/94, Y-Z=-565/230, X-Y=-1879/124, A-Z=-128/1169, L-AA=-1452/65, AB-AC=-333/229, AA-AB=-1928/135, L-AC=-91/1393

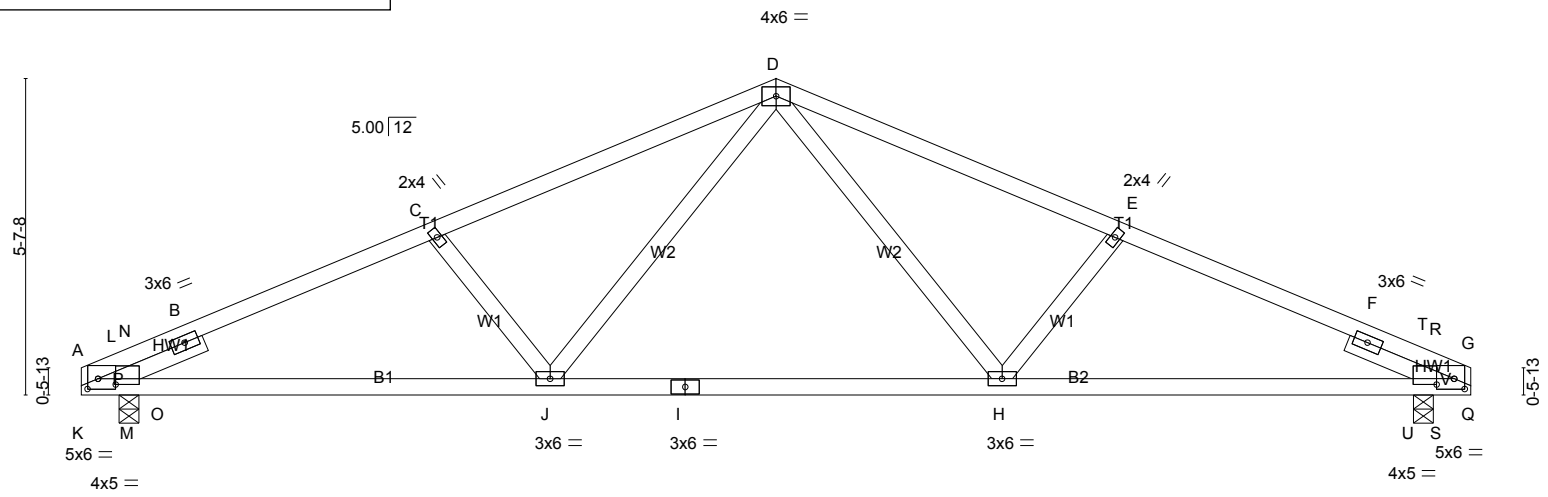
NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 5-0-4, Interior(1) 5-0-4 to 15-5-1, Exterior(2R) 15-5-1 to 34-11-7, Interior(1) 34-11-7 to 45-2-0, Exterior(2E) 45-2-0 to 50-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=248, L=247.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) 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	Walker Custom
201738	B1	Roof Special	5	1	Job Reference (optional)

6-3-13 | 12-4-2 | 18-4-7 | 24-8-4
6-3-13 | 6-0-5 | 6-0-5 | 6-3-13

Scale = 1:40.9



0-8-0 | 8-3-15 | 16-4-5 | 24-0-4 | 24-8-4
0-8-0 | 7-7-15 | 8-0-6 | 7-7-15 | 0-8-0

Plate Offsets (X,Y)-- [A:0-2-4,0-2-3], [A:0-3-12,0-1-4], [G:0-2-4,0-2-3], [G:0-3-12,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.17	H-J	>999	240	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.35	H-J	>845	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.06	G	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 112 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP 1650F 1.5E
BOT CHORD 2x4 SP 1650F 1.5E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -Đ 2-0-0, Right 2x4 SP No.3 -Đ 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-10 oc purlins.
BOT CHORD 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) A=1111/0-4-4 (min. 0-1-8), G=1111/0-4-4 (min. 0-1-8)
Max Horz A=87(LC 12)
Max Uplift A=-126(LC 12), G=-126(LC 13)
Max Grav A=1155(LC 18), G=1155(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD L-N=-254/5, B-W=-1882/279, C-W=-1854/298, C-X=-1663/275, D-X=-1535/289, D-Y=-1535/289, E-Y=-1663/275, E-Z=-1854/298, F-Z=-1882/279, R-T=-254/5
BOT CHORD M-O=-218/1669, J-O=-218/1669, I-J=-103/1121, H-I=-103/1121, H-U=-207/1669, S-U=-207/1669
WEBS D-H=-68/553, E-H=-412/189, D-J=-68/553, C-J=-412/189, L-M=-419/0, O-P=0/706, M-P=-1755/190, B-P=-1994/395, R-S=-419/0, U-V=0/706, S-V=-1755/190, F-V=-1994/395

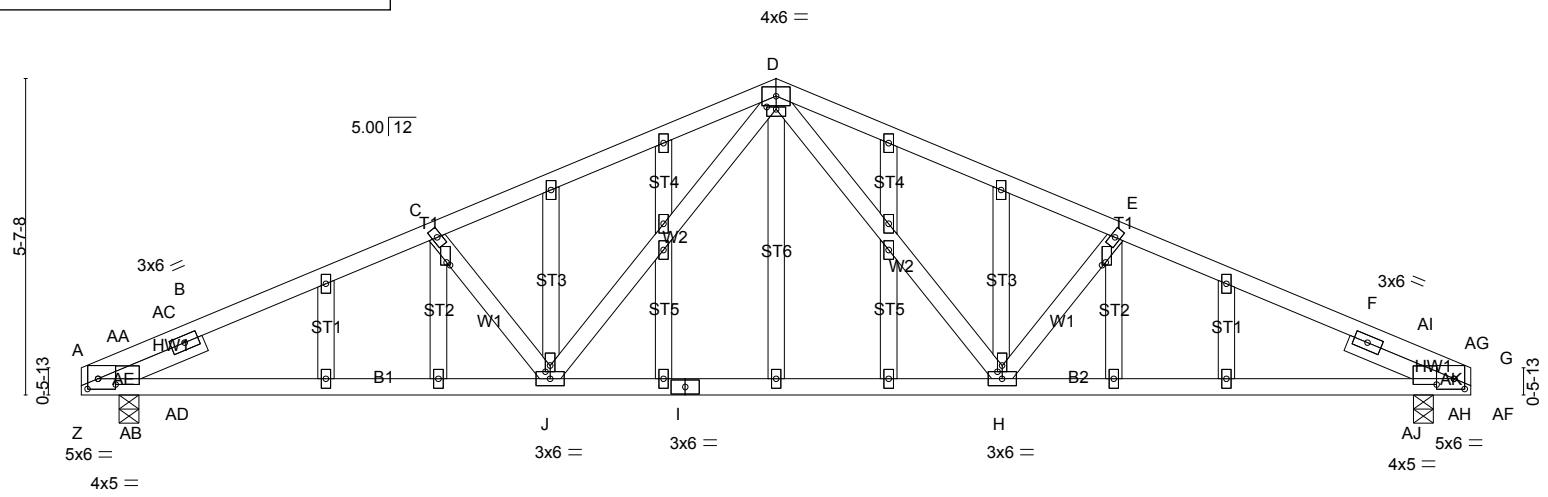
NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-4-2, Exterior(2R) 9-4-2 to 15-4-2, Interior(1) 15-4-2 to 21-8-4, Exterior(2E) 21-8-4 to 24-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=126, G=126.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201733	B1	GABLE	1	1	Job Reference (optional)

6-3-13 | 12-4-2 | 18-4-7 | 24-8-4
6-3-13 | 6-0-5 | 6-0-5 | 6-3-13

Scale = 1:40.9



0-8-0 | 8-3-15 | 16-4-5 | 24-0-4 | 24-8-4
0-8-0 | 7-7-15 | 8-0-6 | 7-7-15 | 0-8-0

Plate Offsets (X,Y)-- [A:0-2-4,0-2-3], [A:0-3-12,0-1-4], [C:0-0-9,0-0-12], [D:0-2-0,0-0-8], [E:0-0-9,0-0-12], [G:0-3-12,0-1-4], [G:0-2-4,0-2-3], [H:0-1-5,0-1-0], [J:0-1-5,0-1-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.18	H-J	>999	240	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.36	H-J	>820	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.06	G	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 153 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP 1650F 1.5E
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -Đ 2-0-0, Right 2x4 SP No.3 -Đ 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

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

REACTIONS. (lb/size) A=1111/0-4-4 (min. 0-1-8), G=1111/0-4-4 (min. 0-1-8)
Max Horz A=-87(LC 13)
Max Uplift A=-126(LC 12), G=-126(LC 13)
Max Grav A=1155(LC 18), G=1155(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-AL=-1881/279, C-AL=-1853/298, C-AM=-1664/275, D-AM=-1535/289, D-AN=-1535/289, E-AN=-1664/275, E-AO=-1853/298, F-AO=-1881/279
BOT CHORD AB-AD=-217/1667, J-AD=-217/1667, I-J=-103/1122, H-I=-103/1122, H-AJ=-206/1667, AH-AJ=-206/1667
WEBS D-H=-68/552, E-H=-409/189, D-J=-68/552, C-J=-409/189, AA-AB=-409/0, AD-AE=0/718, AB-AE=-1773/189, B-AE=-2022/399, AG-AH=-409/0, AJ-AK=0/718, AH-AK=-1773/189, F-AK=-2022/399

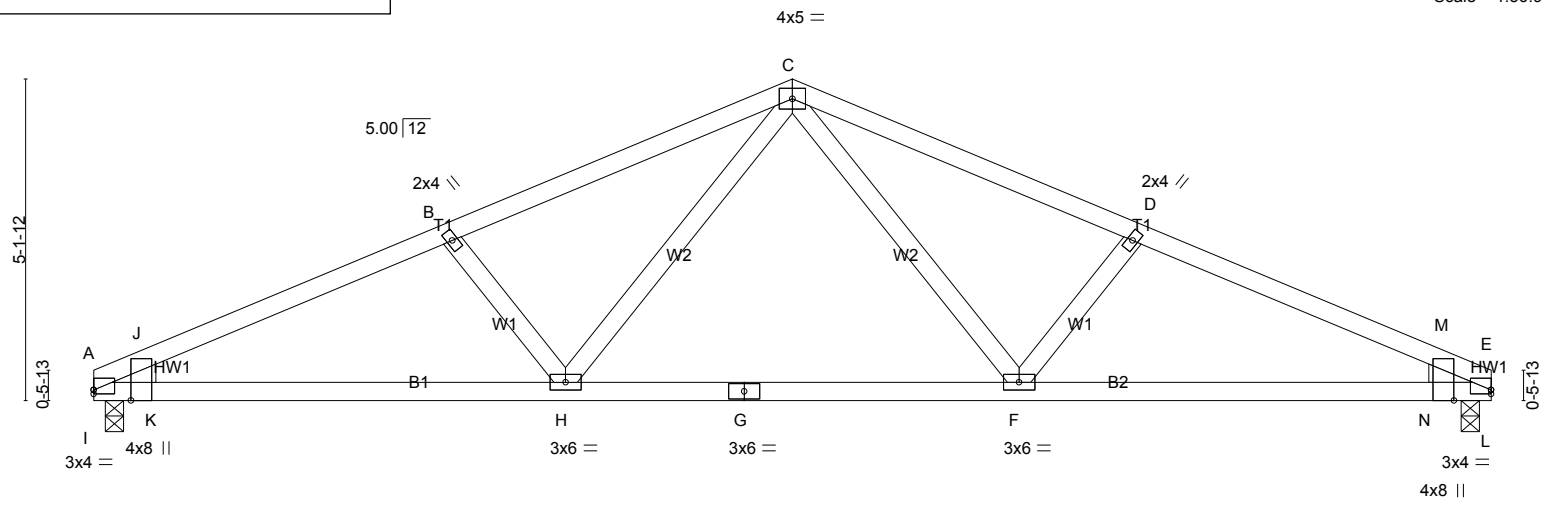
NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-4-2, Exterior(2R) 9-4-2 to 15-4-2, Interior(1) 15-4-2 to 21-8-4, Exterior(2E) 21-8-4 to 24-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) 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.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=126, G=126.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201738	A1	Common	11	1	Job Reference (optional)

5-8-14 | 11-2-4 | 16-7-10 | 22-4-8
5-8-14 | 5-5-6 | 5-5-6 | 5-8-14

Scale = 1:36.9



0-2-4 | 7-6-11 | 14-9-13 | 22-2-4 | 22-4-8
0-2-4 | 7-4-7 | 7-3-2 | 7-4-7 | 0-2-4

Plate Offsets (X,Y)-- [A:0-0-0,0-0-12], [A:0-2-0,Edge], [E:0-0-0,0-0-12], [E:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.09	F-H	>999	240	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.19	F-H	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.05	E	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 98 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 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) A=1007/0-3-8 (min. 0-1-8), E=1007/0-3-8 (min. 0-1-8)
Max Horz A=78(LC 12)
Max Uplift A=-111(LC 12), E=-111(LC 13)
Max Grav A=1061(LC 18), E=1061(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-J=-917/129, J-O=-2086/333, O-P=-1983/342, B-P=-1968/346, B-Q=-1818/317, C-Q=-1694/331, C-R=-1694/331, D-R=-1818/317, D-S=-1968/346, S-T=-1983/342, M-T=-2086/333, E-M=-917/129
BOT CHORD I-K=-129/791, H-K=-260/1881, G-H=-128/1174, F-G=-128/1174, F-N=-260/1881, L-N=-119/791
WEBS C-F=-82/701, D-F=-527/185, C-H=-81/701, B-H=-527/185, A-I=-573/96, I-J=-824/117, A-K=-104/750, E-L=-573/96, L-M=-824/117, E-N=-104/750

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-2-4, Exterior(2R) 8-2-4 to 14-2-4, Interior(1) 14-2-4 to 19-4-8, Exterior(2E) 19-4-8 to 22-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=111, E=111.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

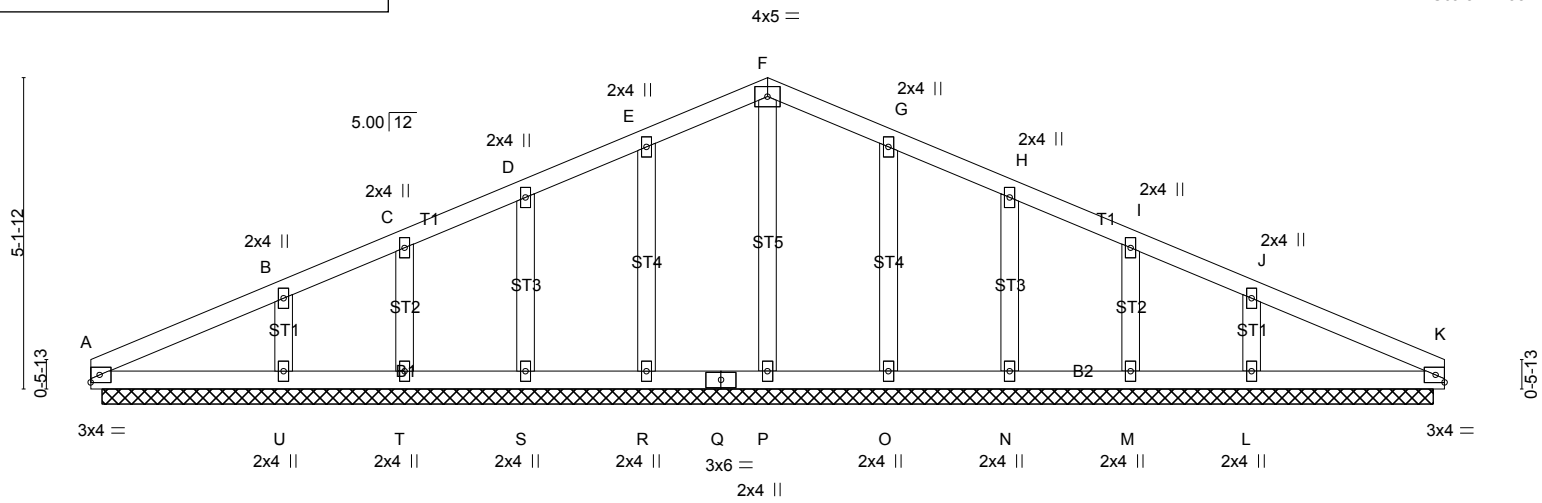
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201758	GC	Common Supported Gable	2	1	Job Reference (optional)

Heartland Truss, Inc., Plattsburg, MO.
Run: 8.310 s Sep 9 2019 Print: 8.310 s Sep 9 2019 MiTek Industries, Inc. Wed Sep 23 11:55:06 2020 Page 1
ID:qtLxzlWUQcDgpd39wasymGzsryy-?LTOi8e3LadG?1hhYFXPop0xeonv_3UwNPa0czyaloJ

11-2-4 / 11-2-4 — 22-4-8 / 11-2-4

Scale = 1:38.1



0-2-4 / 0-2-4 — 22-4-8 / 22-2-4

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	K	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-S							Weight: 106 lb	FT = 20%
BCDL	10.0											

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

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

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

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz A=81(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) A, R, S, T, U, O, N, M, L
Max Grav All reactions 250 lb or less at joint(s) A, K, P, T, M except R=267(LC 18), S=266(LC 18), U=293(LC 1), O=267(LC 19), N=266(LC 19), L=293(LC 1)

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

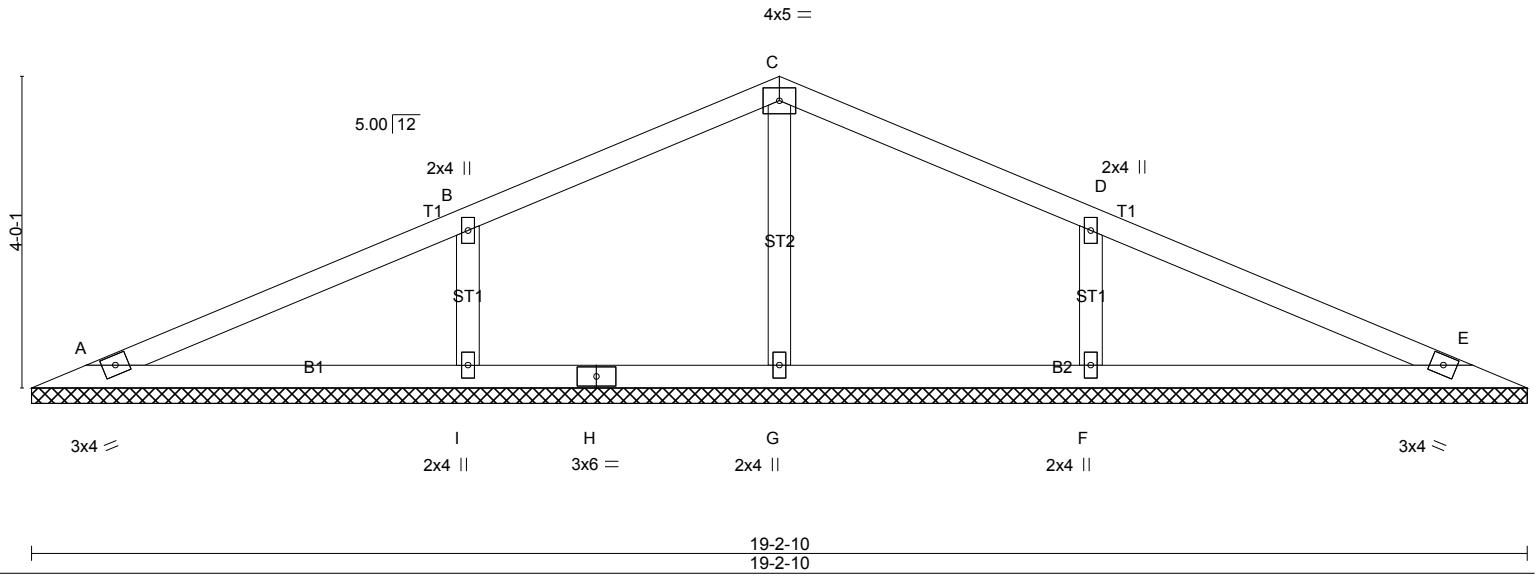
NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-0-0 to 3-2-4, Exterior(2N) 3-2-4 to 8-2-4, Corner(3R) 8-2-4 to 14-2-4, Exterior(2N) 14-2-4 to 19-2-4, Corner(3E) 19-2-4 to 22-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) 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.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, R, S, T, U, O, N, M, L.
8) Non Standard bearing condition. Review required.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201758	M1	Valley	1	1	Job Reference (optional)

9-7-5 / 9-7-5 — 19-2-10 / 9-7-5

Scale = 1:29.6



19-2-10 / 19-2-10

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	E	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-S							Weight: 68 lb	FT = 20%
BCDL	10.0											

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

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

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

REACTIONS. All bearings 19-2-10.
(lb) - Max Horz A=62(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) A, E except I=-121(LC 12), F=-121(LC 13)
Max Grav All reactions 250 lb or less at joint(s) A, E except G=272(LC 19), I=656(LC 18), F=656(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-I=-538/184, D-F=-538/184

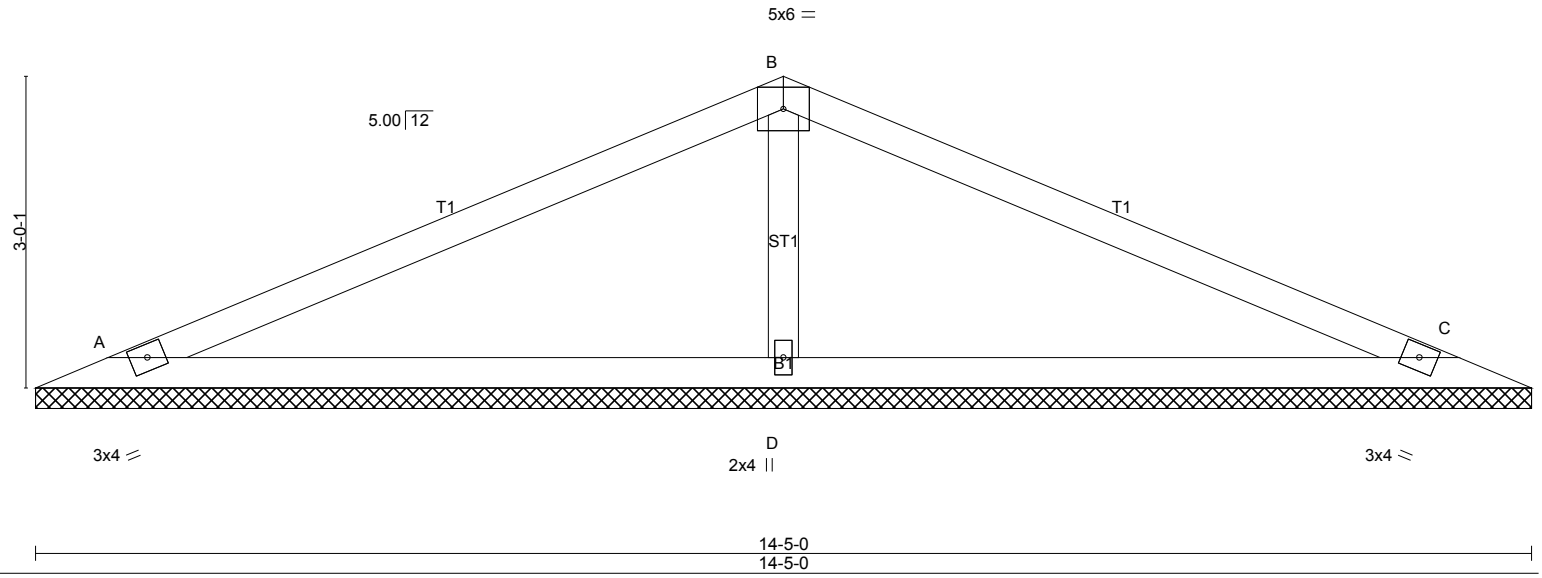
NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-8-12 to 3-8-12, Interior(1) 3-8-12 to 6-7-5, Exterior(2R) 6-7-5 to 12-7-5, Interior(1) 12-7-5 to 15-5-14, Exterior(2E) 15-5-14 to 18-5-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (jt=lb) I=121, F=121.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201758	M2	Valley	1	1	Job Reference (optional)

7-2-8 14-5-0
7-2-8 7-2-8

Scale = 1:22.2



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.41	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 46 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP 1650F 1.5E
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

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

REACTIONS. (lb/size) A=259/14-5-0 (min. 0-1-8), C=259/14-5-0 (min. 0-1-8), D=649/14-5-0 (min. 0-1-8)
Max Horz A=45(LC 12)
Max Uplift A=-49(LC 12), C=-57(LC 13), D=-32(LC 12)
Max Grav A=379(LC 18), C=379(LC 19), D=657(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-D=-463/235

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-8-12 to 3-8-12, Interior(1) 3-8-12 to 4-2-8, Exterior(2R) 4-2-8 to 10-2-8, Interior(1) 10-2-8 to 10-8-4, Exterior(2E) 10-8-4 to 13-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

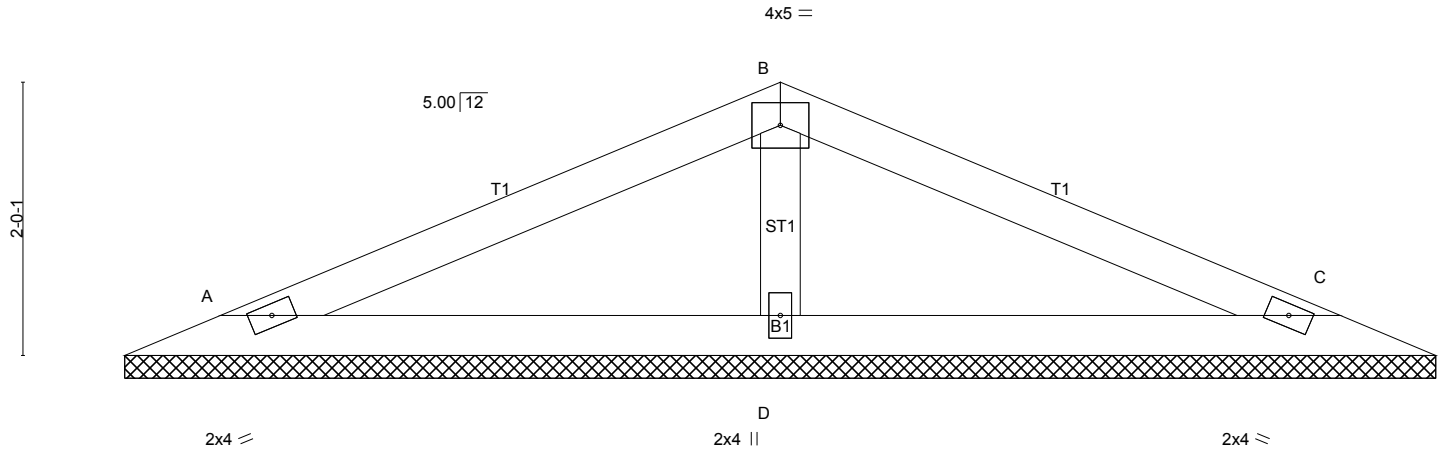
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201758	M3	Valley	1	1	Job Reference (optional)

Heartland Truss, Inc., Plattsburg, MO. Run: 8.310 s Sep 9 2019 Print: 8.310 s Sep 9 2019 MiTek Industries, Inc. Wed Sep 23 11:55:09 2020 Page 1
ID:qtLxzlWUQcDgpd39wasymGzsryy-Qw9WK9gyeV?rsUQGEN46QSeOo0oCBQSN3NphDIyaloG

4-9-11 (4-9-11) | 9-7-6 (4-9-11)

Scale = 1:16.9



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-S							Weight: 30 lb	FT = 20%
BCDL	10.0											

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

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

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

REACTIONS. (lb/size) A=162/9-7-6 (min. 0-1-8), C=162/9-7-6 (min. 0-1-8), D=410/9-7-6 (min. 0-1-8)
Max Horz A=29(LC 12)
Max Uplift A=-31(LC 12), C=-35(LC 13), D=-20(LC 12)
Max Grav A=231(LC 18), C=231(LC 19), D=410(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-D=-287/182

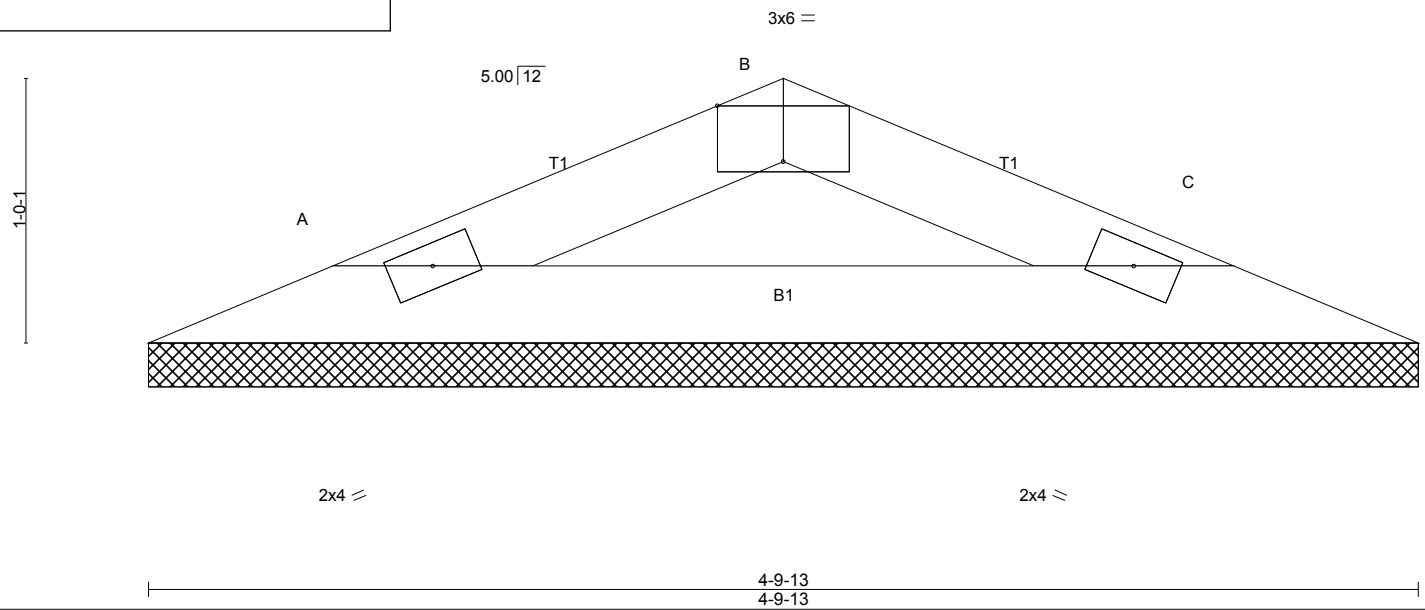
NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-8-12 to 3-8-12, Exterior(2R) 3-8-12 to 5-10-10, Exterior(2E) 5-10-10 to 8-10-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201733	M4	Valley	1	1	Job Reference (optional)

2-4-14 / 2-4-14 — 4-9-13 / 2-4-14

Scale = 1:8.7



4-9-13 / 4-9-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-P							Weight: 13 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-13 oc purlins.
BOT CHORD 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) A=151/4-9-13 (min. 0-1-8), C=151/4-9-13 (min. 0-1-8)
Max Horz A=12(LC 12)
Max Uplift A=-17(LC 12), C=-17(LC 13)
Max Grav A=164(LC 18), C=164(LC 19)

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

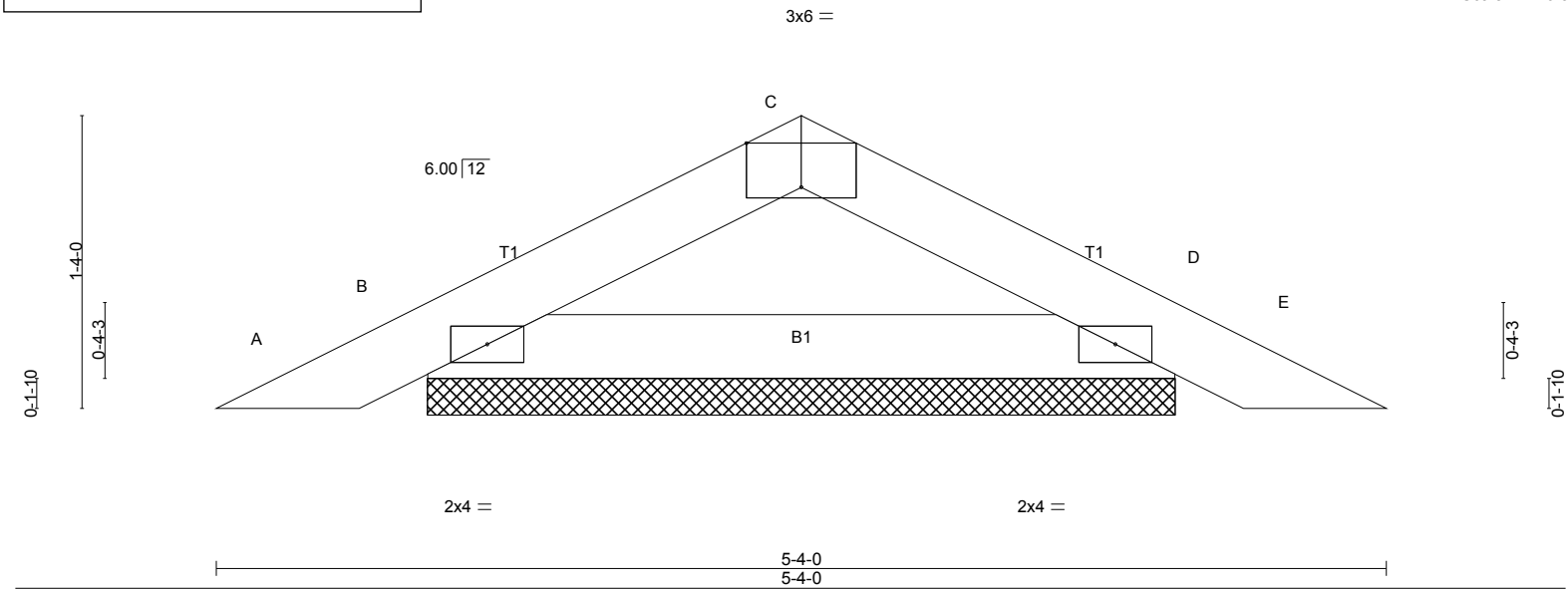
NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Walker Custom
201758	A1	Piggyback	17	1	Job Reference (optional)

2-8-0
2-8-0
5-4-0
2-8-0

Scale = 1:10.5



5-4-0
5-4-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	-0.00	D	n/r	120	MT20	244/190
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	0.00	D	n/r	90		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	D	n/a	n/a		
BCLL	0.0	Code IRC2018/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins.
BOT CHORD 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) B=198/3-4-14 (min. 0-1-8), D=198/3-4-14 (min. 0-1-8)
Max Horz B=-20(LC 13)
Max Uplift B=-31(LC 12), D=-31(LC 13)
Max Grav B=241(LC 19), D=241(LC 20)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, D.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard