MiTek USA, Inc.
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661
Telephone 916-755-3571

Re: 1708
KB Home 1708

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by U.S. Components-Tucson,Az.

Pages or sheets covered by this seal: R73666288 thru R73666385

My license renewal date for the state of Arizona is December 31, 2024.

Arizona COA: 11906-0

Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

WRIGHT engineers

[X] NO EXCEPTIONS TAKEN
[ ] SEE NOTATIONS
[ ] REJECTED
[ ] REVISE and RESUBMIT
[ ] SUBMIT SPECIFIED ITEM

lfarver — REVIEWED BY
11/29/2022 — DATE

Structural review is provided as an aid to the contractor, is only to check for general conformance with the contract documents prepared by Wright, and does not modify the contractor's duty to comply with the contract documents. Responsibility for correctness rests solely with the contractor. Structural review does not include verification of dimensions, material quantities, or construction or fabrication means or methods. Deviations from the contract documents, omission of items, or items shown incorrectly shall not be considered approved unless specifically noted as such in writing by Wright.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
74609
DUSTIN
REINMUTH
Date Signed
ARIZONA U.S.A.
EXPIRES: 12/31/2024

November 28,2022

Reinmuth, Dustin

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

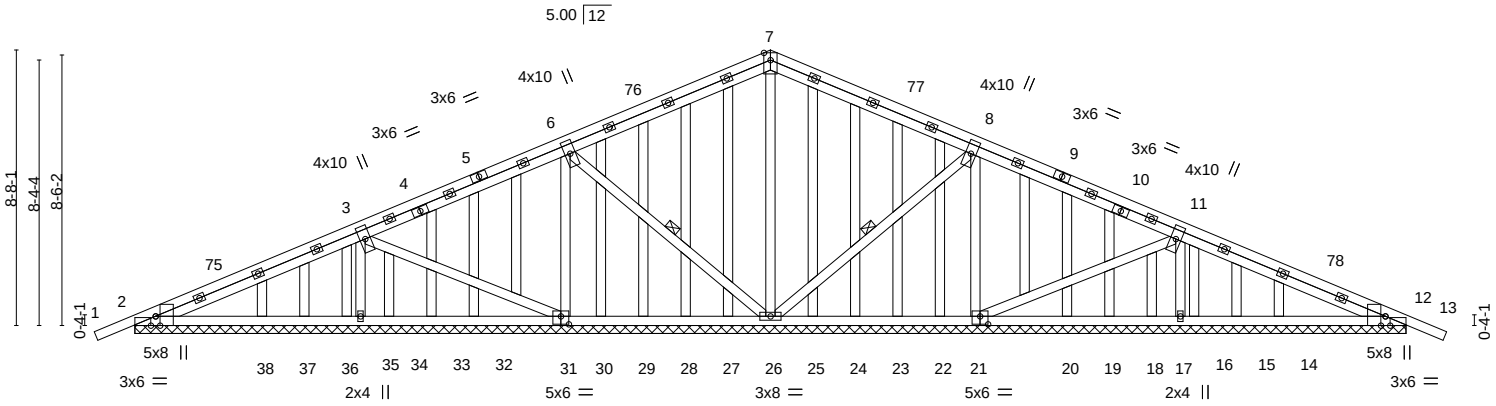
Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1E	GABLE	1	1	R73666288
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:05 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-UctwiEy_5oJaXwPEsZuKpCpFFkM8Hk2WWJxBP1yEkhW

1-2-0	7-1-3	13-6-10	20-0-0	26-5-6	32-10-13	40-0-0	41-2-0
1-2-0	7-1-3	6-5-6	6-5-6	6-5-6	6-5-6	7-1-3	1-2-0

Scale = 1:72.5

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



7-1-3	13-6-10	20-0-0	26-5-6	32-10-13	40-0-0
7-1-3	6-5-6	6-5-6	6-5-6	6-5-6	7-1-3

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-1-13,Edge], [12:0-3-8,Edge], [21:0-3-0,0-3-0], [31:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.01	13	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.02	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 307 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std
OTHERS	2x4 HF/SPF Stud/Std

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 28-29,23-24.
WEBS	1 Row at midpt 6-26, 8-26

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=-158(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 37, 15 except 2=-410(LC 35), 31=-218(LC 35), 35=-534(LC 35), 26=-118(LC 36), 21=-218(LC 36), 17=-534(LC 36), 12=-410(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 27, 28, 29, 30, 32, 33, 34, 36, 37, 38, 25, 24, 23, 22, 20, 19, 18, 16, 15, 14 except 2=508(LC 44), 31=429(LC 32), 35=717(LC 32), 26=565(LC 1), 21=422(LC 48), 17=699(LC 33), 12=533(LC 33)

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

TOP CHORD	2-3=-949/871, 3-6=-899/836, 6-7=-610/628, 7-8=-610/643, 8-11=-879/851, 11-12=-930/882
BOT CHORD	2-38=-775/841, 37-38=-492/571, 36-37=-382/461, 35-36=-292/371, 34-35=-253/332, 33-34=-192/271, 31-32=-247/326, 30-31=-245/309, 27-28=-187/251, 26-27=-287/351, 25-26=-261/341, 21-22=-219/300, 20-21=-217/280, 17-18=-223/285, 16-17=-262/325, 15-16=-352/415, 14-15=-462/525, 12-14=-762/807
WEBS	3-35=-769/535, 6-31=-599/443, 7-26=-418/59, 8-21=-599/426, 11-17=-772/539, 3-31=-539/557, 6-26=-439/431, 8-26=-439/426, 11-21=-539/557

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 20-0-0, Exterior(2R) 20-0-0 to 24-0-0, Interior(1) 24-0-0 to 41-2-11 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) 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.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 37, 15 except (jt=lb) 2=410, 31=218, 35=534, 26=118, 21=218, 17=534, 12=410.
10) 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.

Continued on page 2

Registered Professional Engineer (Civil) CERTIFICATE NO. 74609 DUSTIN REINMUTH Date Signed ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1E	GABLE	1	1	R73666288 Job Reference (optional)

NOTES-

11) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 75.0 plf.

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

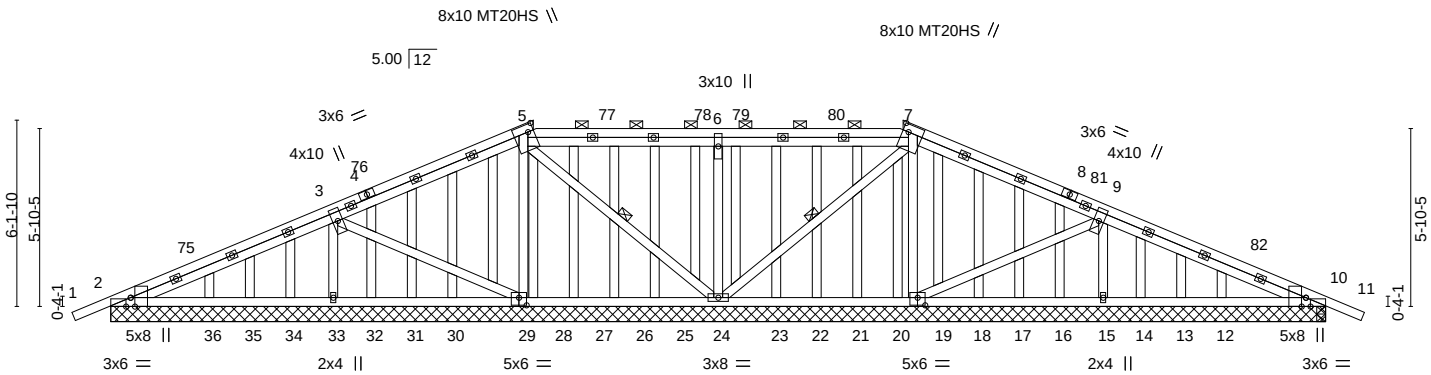
Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1EB	GABLE	1	1	R73666289
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:14 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-jLwJbJ3ezZSI6IbzuxZRg6holMQ8upzrbDdAE0yEkhN

1-2-0 7-3-14 13-8-13 14-0-0 20-0-0 26-0-0 26-3-3 32-8-2 40-0-0 41-2-0
1-2-0 7-3-14 6-4-15 0-3-3 6-0-0 6-0-0 0-3-3 6-4-15 7-3-14 1-2-0

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Scale = 1:75.9



7-3-14 13-8-13 14-0-0 20-0-0 26-0-0 26-3-3 32-8-2 40-0-0
7-3-14 6-4-15 0-3-3 6-0-0 6-0-0 0-3-3 6-4-15 7-3-14

Plate Offsets (X,Y)-- [2:0-1-13,Edge], [2:0-3-8,Edge], [5:0-3-0,0-2-4], [7:0-3-0,0-2-4], [10:0-3-8,Edge], [10:0-1-13,Edge], [19:0-3-0,0-3-0], [29:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.00	10-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.01	2-36	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.00	2-36	>999	240	Weight: 301 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std
OTHERS	2x4 HF/SPF Stud/Std

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-24, 7-24

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=111(LC 33)
Max Uplift All uplift 100 lb or less at joint(s) 29, 19, 28, 35, 13 except 2=-409(LC 35), 33=-520(LC 35), 24=-174(LC 36), 15=-512(LC 36), 10=-420(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 30, 31, 32, 34, 35, 36, 27, 26, 25, 23, 22, 21, 20, 18, 17, 16, 14, 13, 12 except 2=492(LC 44), 33=737(LC 32), 24=672(LC 1), 15=716(LC 33), 10=527(LC 33), 10=336(LC 1), 29=369(LC 1), 19=358(LC 1)

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

TOP CHORD	2-3=-960/858, 3-5=-792/786, 5-6=-456/571, 6-7=-460/575, 7-9=-796/798, 9-10=-913/868
BOT CHORD	2-36=-759/809, 35-36=-527/590, 34-35=-417/480, 33-34=-327/390, 32-33=-221/284, 29-30=-256/318, 28-29=-208/259, 24-25=-325/376, 23-24=-321/373, 19-20=-211/263, 18-19=-230/280, 15-16=-209/258, 14-15=-302/351, 13-14=-402/442, 12-13=-502/551, 10-12=-748/788
WEBS	3-33=-764/557, 5-24=-487/445, 6-24=-485/162, 7-24=-487/445, 9-15=-756/528, 5-29=-385/235, 7-19=-384/234, 3-29=-541/540, 9-19=-538/530

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 13-8-9, Exterior(2R) 13-8-9 to 19-4-7, Interior(1) 19-4-7 to 26-3-7, Exterior(2R) 26-3-7 to 31-11-5, Interior(1) 31-11-5 to 41-2-11 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) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 3x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 29, 28, 35 except (jt=lb) 2=520.

Continued on page 2

Registered Professional Engineer (Civil) CERTIFICATE NO. 74609 DUSTIN REINMUTH Date Signed ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

11) N/A

12) 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.
13) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 75.0 plf.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

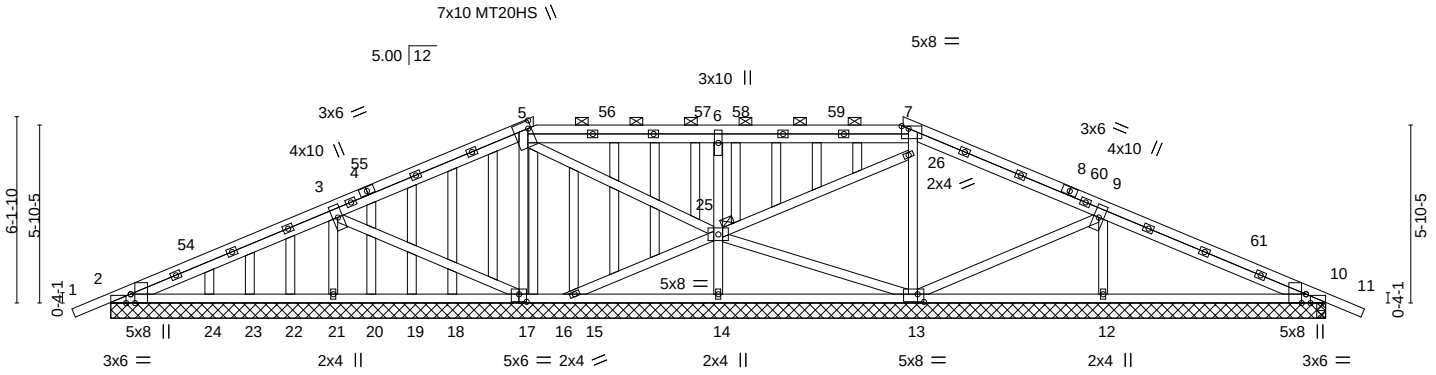
Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1EBD	GABLE	1	1	R73666290
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:19 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-4IkCe17mo54bC3TxhV9cN9OeFN6aZ3FakVKxvDyEkhI

1-2-0	7-3-14	13-8-13	14-0-0	20-0-0	26-0-0	26-3-3	32-8-2	40-0-0	41-2-0
1-2-0	7-3-14	6-4-15	0-3-3	6-0-0	6-0-0	0-3-3	6-4-15	7-3-14	1-2-0

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Scale = 1:75.9



7-3-14	13-8-13	14-0-0	20-0-0	26-0-0	26-3-3	32-8-2	40-0-0
7-3-14	6-4-15	0-3-3	6-0-0	6-0-0	0-3-3	6-4-15	7-3-14

Plate Offsets (X,Y)-- [2:0-1-13,Edge], [2:0-3-8,Edge], [5:0-3-0,0-1-4], [7:0-2-12,0-1-0], [10:0-3-8,Edge], [10:0-1-13,Edge], [13:0-2-8,0-3-0], [17:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.06	10-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.12	10-12	>704	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.01	10-12	>999	240	Weight: 265 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
OTHERS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 18-19.
JOINTS 1 Brace at Jt(s): 25

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=111(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) 15, 23 except 2=-420(LC 35), 21=-555(LC 35), 14=-295(LC 36), 12=-465(LC 36), 10=-415(LC 36), 17=-126(LC 36), 13=-295(LC 35), 16=-175(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 15, 18, 19, 20, 22, 23, 24 except 2=505(LC 44), 21=775(LC 32), 14=623(LC 31), 12=874(LC 33), 10=575(LC 33), 10=372(LC 1), 17=467(LC 1), 13=627(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-994/889, 3-5=-875/861, 5-6=-735/804, 6-7=-315/385, 7-9=-842/851, 9-10=-863/891
BOT CHORD 2-24=-788/840, 23-24=-552/621, 22-23=-444/511, 21-22=-352/421, 20-21=-246/315, 17-18=-224/292, 16-17=-265/324, 15-16=-241/300, 14-15=-397/440, 13-14=-469/513, 12-13=-241/290, 10-12=-779/829
WEBS 3-21=-803/592, 5-25=-513/521, 14-25=-584/385, 6-25=-492/178, 9-12=-787/549, 5-17=-377/201, 13-26=-396/193, 7-26=-379/195, 3-17=-579/582, 9-13=-605/590, 15-25=-283/300, 13-25=-296/293

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 13-8-9, Exterior(2R) 13-8-9 to 19-4-7, Interior(1) 19-4-7 to 26-3-7, Exterior(2R) 26-3-7 to 31-11-5, Interior(1) 31-11-5 to 41-2-11 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) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 3x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

EXPIRES: 12/31/2024
November 28,2022

Continued on page 2

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1EBD	GABLE	1	1	R73666290 Job Reference (optional)

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 23 except (jt=lb) 2=420, 21=555, 17=126, 16=175.
11) N/A

12) 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.
13) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 75.0 plf.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1EBP	GABLE	1	1	R73666291
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:25 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-vS5Tv4BXNxqkw_w41lF0dQebdo9OznqT7QnF6tyEkhC

1-2-0	7-3-14	13-8-13	14-0-0	20-0-0	26-0-0	26-3-3	32-8-2	33-1-8	40-0-0	41-2-0
1-2-0	7-3-14	6-4-15	0-3-3	6-0-0	6-0-0	0-3-3	6-4-15	0-5-6	6-10-8	1-2-0

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Scale = 1:75.7

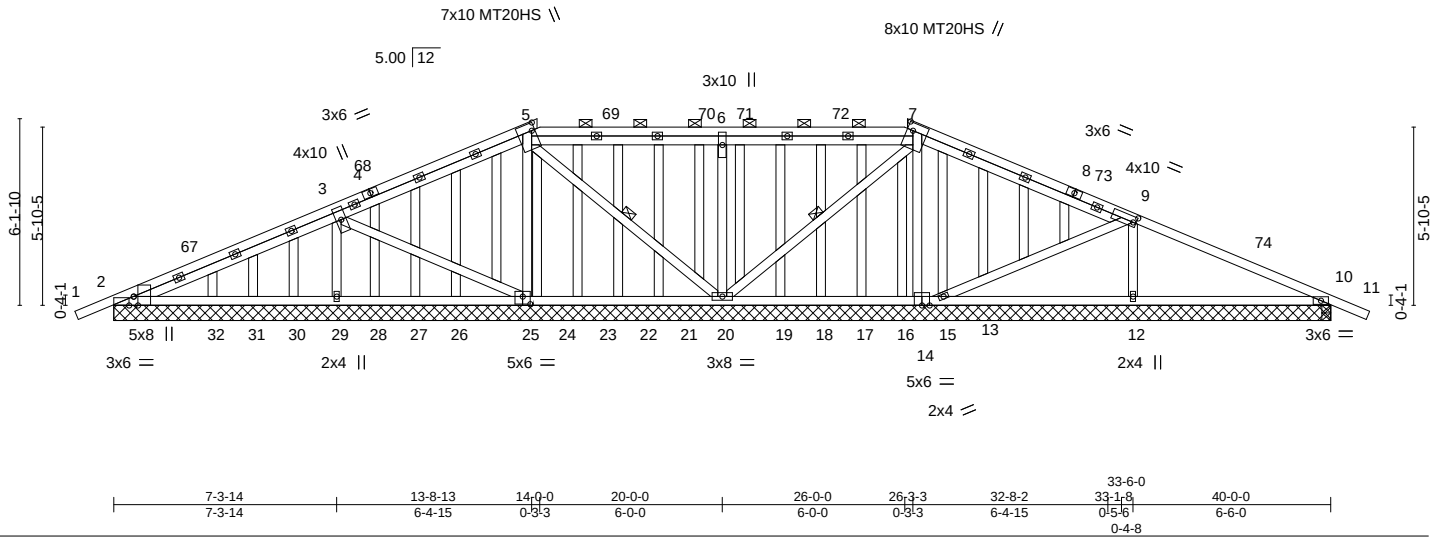


Plate Offsets (X,Y)-- [2:0-1-13,Edge], [2:0-3-8,Edge], [5:0-3-0,0-1-4], [7:0-3-0,0-2-4], [9:0-1-4,0-2-4], [25:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.03	10-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.08	10-12	>951	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.01	10-12	>999	240	Weight: 285 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std
OTHERS	2x4 HF/SPF Stud/Std

BRACING-

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

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=-111(LC 32)
Max Uplift All uplift 100 lb or less at joint(s) 25, 24, 31, 13 except 2=-410(LC 35), 29=-524(LC 35), 20=-175(LC 35), 15=-412(LC 36), 10=-376(LC 36), 12=-425(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 26, 27, 28, 30, 31, 32, 23, 22, 21, 19, 18, 17, 16 except 2=493(LC 44), 29=743(LC 32), 20=671(LC 1), 25=370(LC 1), 15=259(LC 33), 10=511(LC 33), 10=333(LC 1), 13=450(LC 3), 12=822(LC 33)

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

TOP CHORD	2-3=-962/862, 3-5=-796/796, 5-6=-464/588, 6-7=-407/532, 7-9=-765/780, 9-10=-798/762
BOT CHORD	2-32=-765/813, 31-32=-538/594, 30-31=-428/484, 29-30=-338/394, 28-29=-232/288, 25-26=-253/310, 24-25=-236/283, 23-24=-212/259, 20-21=-321/368, 19-20=-389/431, 18-19=-246/288, 13-15=-234/273, 12-13=-285/336, 10-12=-652/714
WEBS	3-29=-765/561, 5-20=-519/472, 6-20=-481/162, 7-20=-499/458, 5-25=-387/238, 7-15=-479/305, 3-25=-559/555, 9-13=-588/575, 9-12=-732/508

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 13-8-9, Exterior(2R) 13-8-9 to 19-4-7, Interior(1) 19-4-7 to 26-3-7, Exterior(2R) 26-3-7 to 31-11-5, Interior(1) 31-11-5 to 41-2-11 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) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 3x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 24, 31 except (jt=lb) 2=410, 29=524.

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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

11) N/A

12) 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.
13) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 75.0 plf.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

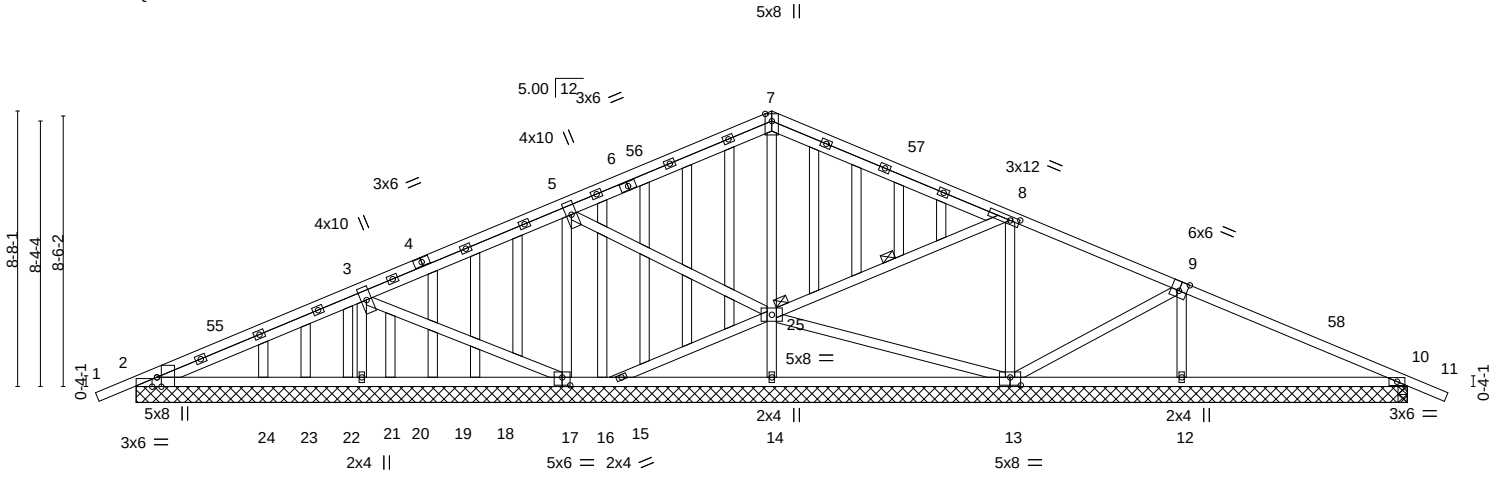
Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1ED	GABLE	1	1	R73666292
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:30 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-FQuMyoFgCTT11lp2qJrBKULTcpspe2VCGiV0o4yEkh7

1-2-0	7-1-3	13-6-10	20-0-0	27-6-0	32-10-13	40-0-0	41-2-0
1-2-0	7-1-3	6-5-6	6-5-6	7-6-0	5-4-13	7-1-3	1-2-0

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Scale = 1:72.5



7-1-3	13-6-10	20-0-0	27-6-0	32-10-13	40-0-0
7-1-3	6-5-6	6-5-6	7-6-0	5-4-13	7-1-3

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-1-13,Edge], [8:0-3-8,0-1-8], [9:0-3-0,Edge], [13:0-4-0,0-3-0], [17:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.06	10-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.15	10-12	>569	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.02	10-12	>999	240	Weight: 265 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std
OTHERS	2x4 HF/SPF Stud/Std

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-25
JOINTS	1 Brace at Jt(s): 25

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=-158(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 14, 15, 23 except 2=-410(LC 35), 17=-165(LC 35), 12=-471(LC 36), 21=-536(LC 35), 13=-196(LC 36), 10=-374(LC 36), 16=-205(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 18, 19, 20, 22, 23, 24 except 2=508(LC 44), 17=485(LC 47), 14=593(LC 1), 12=850(LC 33), 21=719(LC 32), 15=298(LC 34), 13=554(LC 1), 10=538(LC 33), 10=382(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-950/873, 3-5=-901/838, 5-7=-670/654, 7-8=-682/674, 8-9=-721/701, 9-10=-810/747
BOT CHORD 2-24=-776/842, 23-24=-496/572, 22-23=-386/462, 21-22=-296/372, 20-21=-257/332, 19-20=-196/272, 17-18=-246/322, 16-17=-255/310, 14-15=-471/526, 13-14=-465/524, 12-13=-242/309, 10-12=-633/701
WEBS 14-25=-452/204, 7-25=-447/111, 9-12=-760/545, 5-25=-366/398, 5-17=-581/397, 3-17=-548/564, 3-21=-770/536, 8-25=-412/440, 15-25=-411/416, 8-13=-590/398, 13-25=-333/355, 9-13=-562/570

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 20-0-0, Exterior(2R) 20-0-0 to 24-0-0, Interior(1) 24-0-0 to 41-2-11 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) 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.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 15, 23 except (jt=lb) 2=410, 17=165, 12=471, 21=536, 13=196, 10=374, 16=205.
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.
10) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 75.0 plf.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

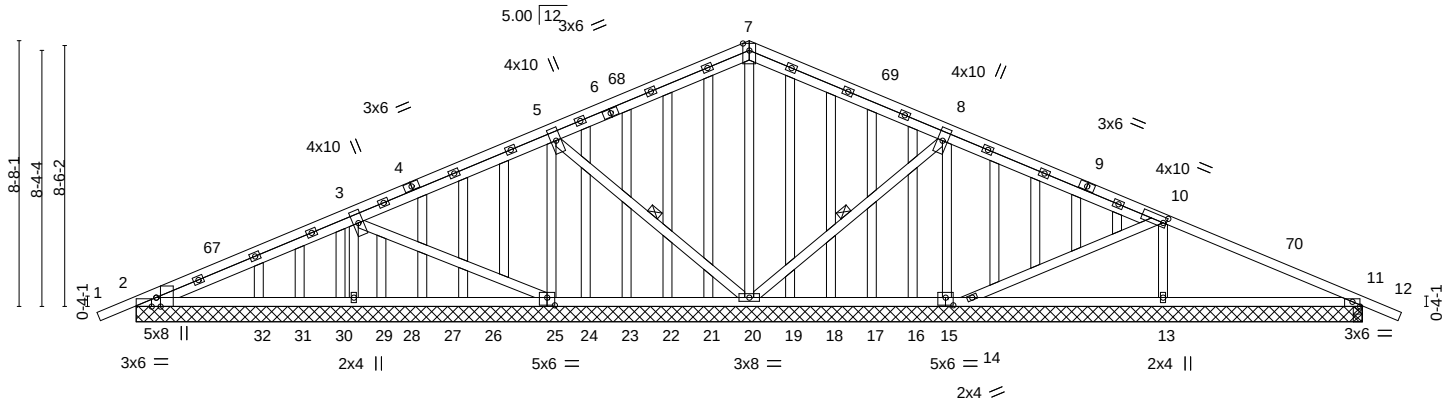
Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1EP	GABLE	1	1	R73666293
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:36 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-4aFeDrKRnJDAlgGCAZybZlbVOEvu2mc4eeyK?kyEkh1

1-2-0	7-1-3	13-6-10	20-0-0	26-5-6	40-0-0	41-2-0
1-2-0	7-1-3	6-5-7	6-5-6	6-5-6	13-6-10	1-2-0

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Scale = 1:75.2



7-1-3	13-6-10	20-0-0	26-5-6	33-6-0	40-0-0
7-1-3	6-5-7	6-5-6	6-5-6	7-0-10	6-6-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-1-13,Edge], [10:0-1-4,0-2-4], [11:0-3-0,Edge], [15:0-3-0,0-3-0], [25:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.03	11-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.08	11-13	>943	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.01	13	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.01	11-13	>999	240	Weight: 290 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std
OTHERS	2x4 HF/SPF Stud/Std

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 22-23.
WEBS	1 Row at midpt 8-20, 5-20

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=158(LC 33)
Max Uplift All uplift 100 lb or less at joint(s) 31 except 2=-412(LC 35), 25=-223(LC 35), 20=-135(LC 36), 15=-560(LC 36), 29=-539(LC 35), 14=-100(LC 35), 13=-439(LC 36), 11=-385(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 21, 22, 23, 24, 26, 27, 28, 30, 31, 32, 19, 18, 17, 16 except 2=510(LC 44), 25=435(LC 32), 20=576(LC 1), 15=487(LC 33), 29=723(LC 32), 14=412(LC 34), 13=844(LC 33), 11=526(LC 33), 11=346(LC 1)

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

TOP CHORD	2-3=-953/877, 3-5=-908/847, 5-7=-623/646, 7-8=-574/611, 8-10=-862/838, 10-11=-836/783
BOT CHORD	2-32=-780/846, 31-32=-501/576, 30-31=-391/466, 29-30=-301/376, 28-29=-262/337, 27-28=-201/276, 25-26=-244/319, 24-25=-266/320, 20-21=-278/333, 19-20=-311/388, 18-19=-211/288, 15-16=-192/269, 14-15=-231/309, 13-14=-260/319, 11-13=-668/728
WEBS	7-20=-424/77, 8-20=-456/442, 8-15=-659/474, 5-20=-458/448, 5-25=-605/451, 3-29=-773/540, 3-25=-552/569, 10-14=-584/599, 10-13=-755/524

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 20-0-0, Exterior(2R) 20-0-0 to 24-0-0, Interior(1) 24-0-0 to 41-2-11 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) 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.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31 except (jt=lb) 2=412, 25=223, 20=135, 15=560, 29=539, 14=100, 13=439, 11=385.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and ANSI/TPI 1.

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Registered Professional Engineer (Civil) CERTIFICATE NO. 74609 DUSTIN REINMUTH Date Signed ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1EP	GABLE	1	1	R73666293 Job Reference (optional)

NOTES-

10) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 75.0 plf.

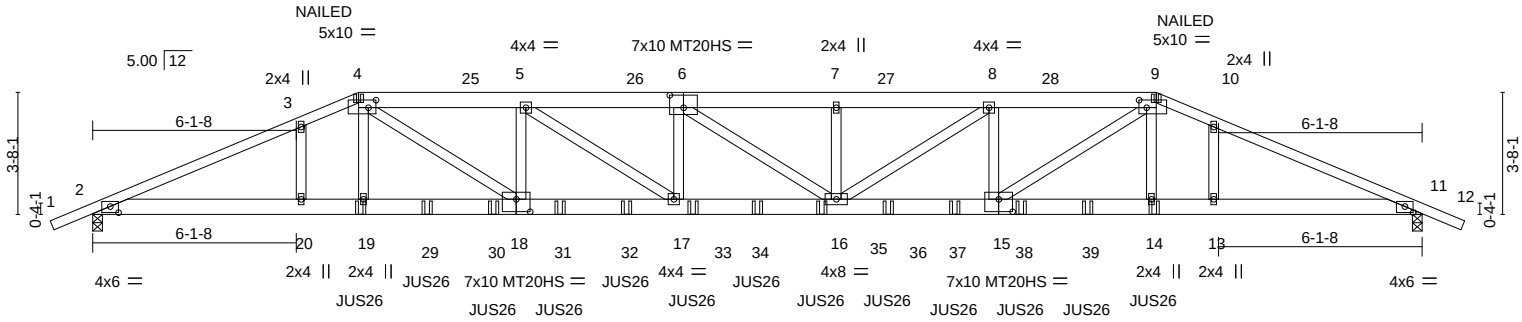
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A1G	HIP GIRDER	1	3	R73666294
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:41 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-RX3XGYOacsrTrS99z6YmGoJMDFaxjyhpowf5gyyEkgy

1-2-0	6-1-8	8-0-0	12-10-10	17-7-9	22-4-7	27-1-6	32-0-0	33-10-8	40-0-0	41-2-0
1-2-0	6-1-8	1-10-8	4-10-10	4-8-14	4-8-14	4-8-14	4-10-10	1-10-8	6-1-8	1-2-0

Scale = 1:69.3



6-1-8	8-0-0	12-10-10	17-7-9	22-4-7	27-1-6	32-0-0	33-10-8	40-0-0
6-1-8	1-10-8	4-10-10	4-8-14	4-8-14	4-8-14	4-10-10	1-10-8	6-1-8

Plate Offsets (X,Y)-- [2:0-3-0,0-2-3], [4:0-2-12,0-2-12], [6:0-5-0,0-4-8], [9:0-2-12,0-2-12], [11:0-3-0,0-2-3], [15:0-5-0,0-4-8], [18:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.26	16-17	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.69	16-17	>697	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.14	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.29	16-17	>999	240	Weight: 578 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E *Except* 4-6,6-9: 2x6 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=70(LC 26)
Max Uplift 2=-722(LC 8), 11=-722(LC 8)
Max Grav 2=4713(LC 1), 11=4713(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-11185/1667, 3-4=-11078/1705, 4-5=-13695/2127, 5-6=-15596/2426, 6-7=-15578/2422, 7-8=-15578/2422, 8-9=-13699/2128, 9-10=-11077/1705, 10-11=-11184/1667
BOT CHORD 2-20=-1455/10268, 19-20=-1455/10268, 18-19=-1466/10342, 17-18=-2011/13770, 16-17=-2300/15610, 15-16=-2011/13773, 14-15=-1466/10341, 13-14=-1455/10267, 11-13=-1455/10267
WEBS 4-19=-249/1670, 4-18=-645/4184, 5-18=-1713/316, 5-17=-345/2229, 6-17=-343/93, 7-16=-310/90, 8-16=-340/2204, 8-15=-1705/315, 9-15=-646/4190, 9-14=-249/1667

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=722, 11=722.
10) 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.

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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

11) 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 8-0-12 from the left end to 31-11-4 to connect truss(es) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 6-0-12, and 777 lb down and 137 lb up at 33-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 4-9=-68, 9-12=-68, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-19(B) 9=-19(B) 19=-319(B) 14=-319(B) 20=-777 13=-777 29=-319(B) 30=-319(B) 31=-319(B) 32=-319(B) 33=-319(B) 34=-319(B) 35=-319(B) 36=-319(B) 37=-319(B) 38=-319(B) 39=-319(B)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A2	COMMON	11	1	R73666295
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:44 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-r6kfuaQSvnD2ivtkeF5TuRwpvSXxwJAGUuuIGGyEkgv

1-2-0	7-1-3	13-6-10	20-0-0	26-5-6	32-10-13	40-0-0	41-2-0
1-2-0	7-1-3	6-5-6	6-5-6	6-5-6	6-5-6	7-1-3	1-2-0

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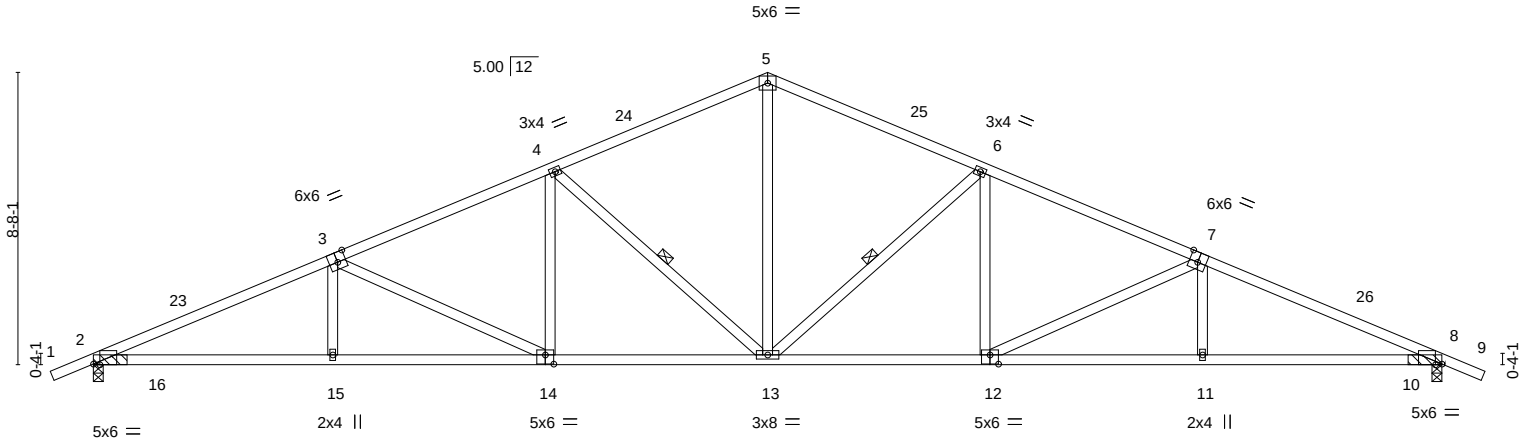

7-1-3	13-6-10	20-0-0	26-5-6	32-10-13	40-0-0
7-1-3	6-5-6	6-5-6	6-5-6	6-5-6	7-1-3

Plate Offsets (X,Y)-- [2:0-2-5,Edge], [3:0-3-0,Edge], [7:0-3-0,Edge], [8:0-2-5,Edge], [12:0-3-0,0-3-4], [14:0-3-0,0-3-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.18	13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.53	12-13	>909	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.19	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.23	14-15	>999	240	Weight: 164 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-13, 4-13

REACTIONS. (size) 2=(0-3-8 + bearing block) (req. 0-3-9), 8=(0-3-8 + bearing block) (req. 0-3-9)
Max Horz 2=161(LC 11)
Max Uplift 2=-1001(LC 35), 8=-1001(LC 36)
Max Grav 2=2003(LC 32), 8=2003(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5111/2363, 3-4=-3883/1697, 4-5=-2641/1014, 5-6=-2640/1029, 6-7=-3884/1702, 7-8=-5116/2371
BOT CHORD 2-15=-2122/4627, 14-15=-1512/4044, 13-14=-837/2881, 12-13=-817/2882, 11-12=-1498/4049, 8-11=-2108/4633
WEBS 5-13=-126/1349, 6-13=-925/168, 6-12=0/538, 7-12=-763/151, 7-11=0/278, 4-13=-925/171, 4-14=0/538, 3-14=-763/148, 3-15=0/278

NOTES-
1) 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 8 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 2 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 20-0-0, Exterior(2R) 20-0-0 to 24-0-0, Interior(1) 24-0-0 to 41-2-11 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
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1001, 8=1001.
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) This truss has been designed for a total drag load of 3800 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 95.0 plf.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A2B	HIP	1	1	R73666296
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 09:05:05 2022 Page 1

ID:F0OWMEeXkjxBSevgusgVvLydl4R-dL9L?YoOllW4HA4CUZq2U1uxejAgQq?od5Yoe6yEgMy

1-2-0	8-3-14	15-8-13	16-0-0	20-0-0	24-0-0	24-3-3	31-8-2	40-0-0	41-2-0
1-2-0	8-3-14	7-4-15	0-3-3	4-0-0	4-0-0	0-3-3	7-4-15	8-3-14	1-2-0

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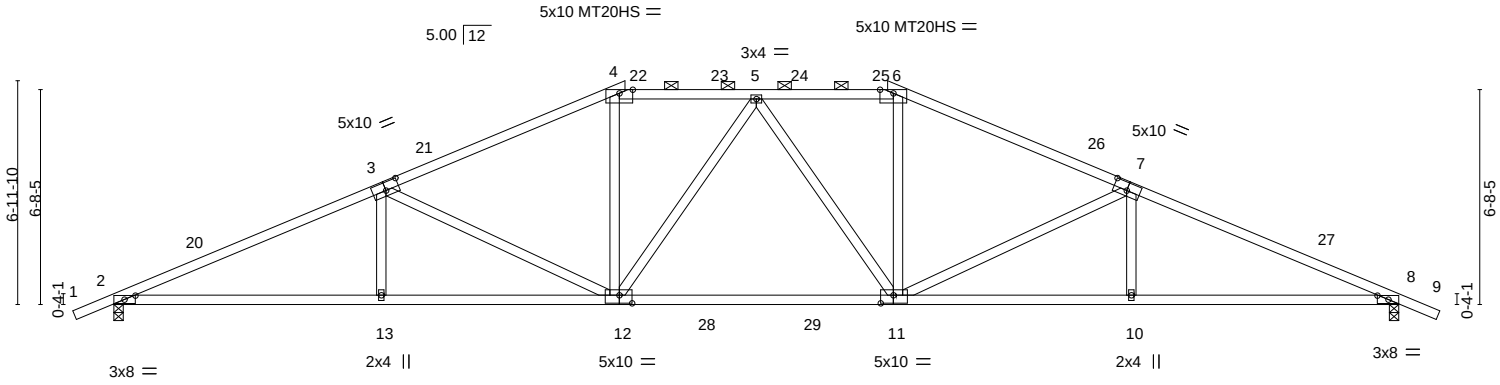


8-3-14	15-8-13	16-0-0	24-0-0	24-3-3	31-8-2	40-0-0
8-3-14	7-4-15	0-3-3	8-0-0	0-3-3	7-4-15	8-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-5-0,0-3-0], [7:0-5-0,0-3-0], [8:0-4-2,0-1-8], [11:0-4-12,0-3-0], [12:0-4-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.36	11-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.77	11-12	>625	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.21	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.18	11-12	>999	240	Weight: 155 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std *Except* 3-12,7-11: 2x4 SPF 1650F 1.5E

BRACING-

TOP CHORD	Sheathed, except 2-0-0 oc purlins (4-1-5 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=128(LC 11)
Max Uplift 2=-206(LC 12), 8=-206(LC 12)
Max Grav 2=2041(LC 17), 8=2041(LC 18)

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

TOP CHORD	2-3=-4193/475, 3-4=-3217/421, 4-5=-2909/426, 5-6=-2909/426, 6-7=-3217/421, 7-8=-4193/475
BOT CHORD	2-13=-340/3906, 12-13=-342/3899, 11-12=-223/3056, 10-11=-353/3803, 8-10=-351/3811
WEBS	3-13=0/325, 7-10=0/325, 4-12=-38/951, 6-11=-38/950, 3-12=-1072/182, 7-11=-1073/182, 5-12=-372/82, 5-11=-372/82

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 15-7-1, Exterior(2R) 15-7-1 to 21-2-15, Interior(1) 21-2-15 to 24-4-15, Exterior(2R) 24-4-15 to 30-0-13, Interior(1) 30-0-13 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be User Defined crushing capacity of 425 psi.
8) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
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.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

EXPIRES: 12/31/2024
November 28,2022

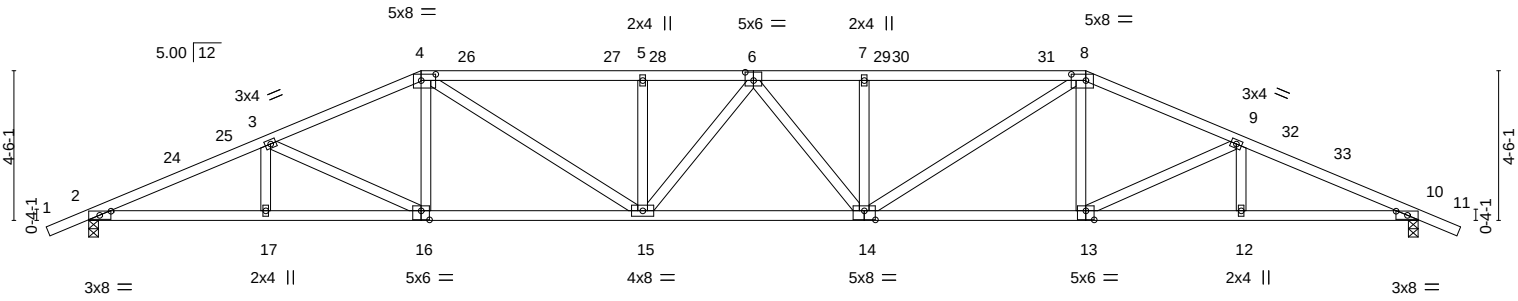
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A2C	Hip	1	1	R73666297
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:50 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-gG5w9dVDUd_BQqLu?VCt8hAsltfYK3j8spL4UwyEkgp

1-2-0	5-3-14	10-0-0	16-8-0	20-0-0	23-4-0	30-0-0	34-8-2	40-0-0	41-2-0
1-2-0	5-3-14	4-8-2	6-8-0	3-4-0	3-4-0	6-8-0	4-8-2	5-3-14	1-2-0

Scale = 1:69.3



5-3-14	10-0-0	16-8-0	23-4-0	30-0-0	34-8-2	40-0-0
5-3-14	4-8-2	6-8-0	6-8-0	6-8-0	4-8-2	5-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [4:0-5-4,0-2-4], [6:0-3-0,0-3-0], [8:0-5-4,0-2-4], [10:0-4-2,0-1-8], [13:0-3-0,0-3-4], [14:0-4-0,0-3-4], [16:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.25	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.70	14-15	>683	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.17	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.25	14-15	>999	240	Weight: 160 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-85(LC 10)
Max Uplift 2=-206(LC 12), 10=-206(LC 12)
Max Grav 2=1843(LC 1), 10=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3976/480, 3-4=-3497/444, 4-5=-4109/536, 5-6=-4109/536, 6-7=-4109/536, 7-8=-4109/536, 8-9=-3497/444, 9-10=-3976/480
BOT CHORD 2-17=-369/3616, 16-17=-369/3616, 15-16=-269/3174, 14-15=-376/4149, 13-14=-274/3174, 12-13=-381/3616, 10-12=-381/3616
WEBS 3-16=-493/119, 4-16=0/429, 4-15=-123/1187, 5-15=-415/145, 7-14=-415/145, 8-14=-123/1187, 8-13=0/429, 9-13=-493/119

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 10-0-0, Exterior(2R) 10-0-0 to 15-7-14, Interior(1) 15-7-14 to 30-0-0, Exterior(2R) 30-0-0 to 35-7-14, Interior(1) 35-7-14 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=206, 10=206.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A2M	ROOF TRUSS	6	1	R73666298
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:52 2022 Page 1
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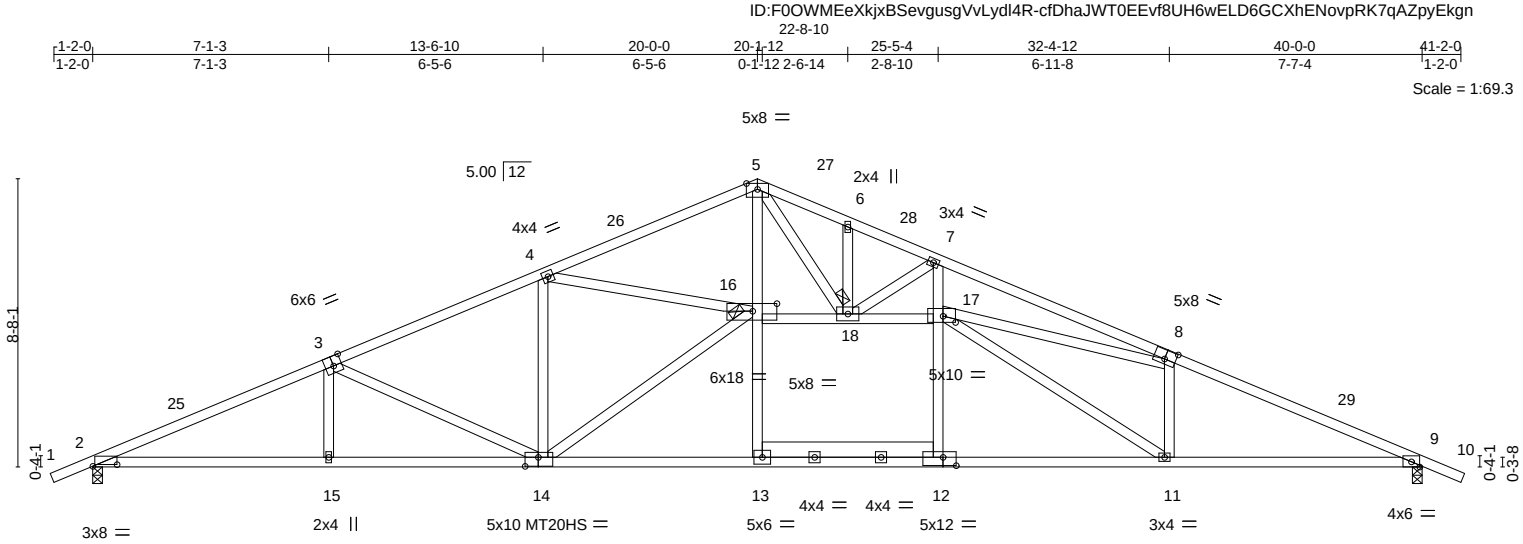

Plate Offsets (X,Y)-- [2:0-8-12,0-0-10], [3:0-3-0,Edge], [8:0-4-0,0-3-4], [12:0-4-12,0-3-0], [14:0-4-12,0-3-4], [16:0-8-12,0-2-12], [17:0-4-8,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.24	11-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.58	11-12	>822	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.17	12	>999	240	Weight: 195 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
12-13: 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
4-16,8-17: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 16, 18

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-161(LC 10)
Max Uplift 2=-142(LC 12), 9=-121(LC 12)
Max Grav 2=2106(LC 17), 9=2138(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4457/274, 3-4=-3669/252, 4-5=-1710/141, 5-6=-2206/159, 6-7=-2250/133, 7-8=-3204/118, 8-9=-4520/220
BOT CHORD 2-15=-162/4180, 14-15=-164/4172, 13-14=-15/3531, 12-13=-9/3554, 11-12=-9/3556, 9-11=-117/4118
WEBS 3-15=0/276, 3-14=-868/122, 4-14=0/781, 4-16=-1861/201, 5-16=-39/385, 12-17=0/500, 7-17=0/612, 8-17=-1297/207, 8-11=-306/154, 16-18=-2156/157, 17-18=-681/96, 7-18=-1123/81, 5-18=-20/1090, 14-16=-486/75, 11-17=-138/772

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 20-0-0, Exterior(2R) 20-0-0 to 24-0-0, Interior(1) 24-0-0 to 41-2-11 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) 150.0lb AC unit load placed on the top chord, 22-9-8 from left end, supported at two points, 2-6-0 apart.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A3	HIP	1	1	R73666299
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:55 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-0EvpCLZMJ9cUWbDro3o2rlujcuHy?Llt052r98yEkgk

1-2-0	6-5-3	12-2-10	18-0-0	22-0-0	27-9-6	33-6-13	40-0-0	41-2-0
1-2-0	6-5-3	5-9-6	5-9-6	4-0-0	5-9-6	5-9-6	6-5-3	1-2-0

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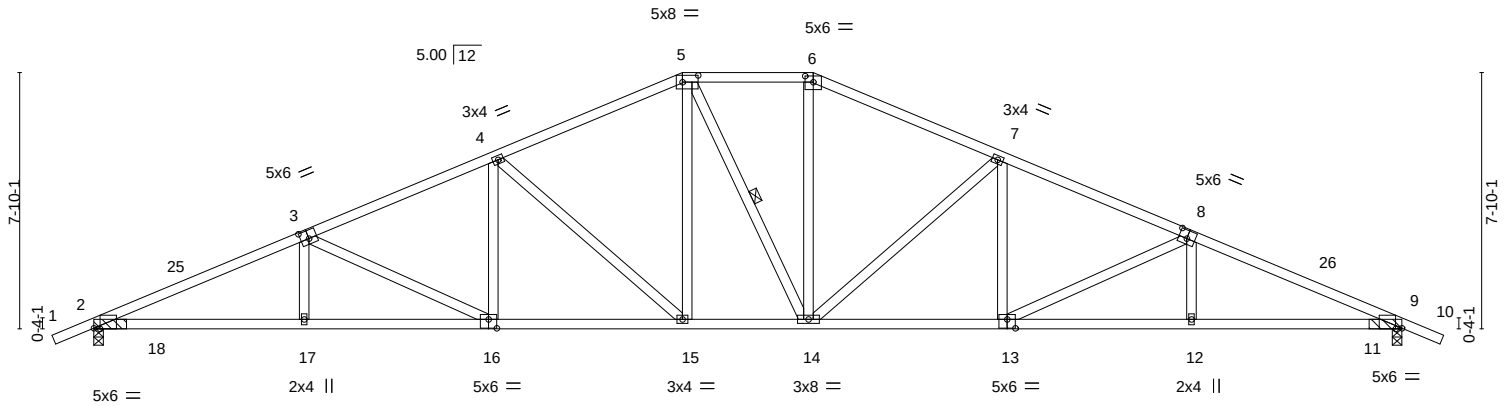

6-5-3	12-2-10	18-0-0	22-0-0	27-9-6	33-6-13	40-0-0
6-5-3	5-9-6	5-9-6	4-0-0	5-9-6	5-9-6	6-5-3

Plate Offsets (X,Y)-- [2:0-2-5,Edge], [3:0-3-0,0-3-0], [5:0-5-12,0-2-8], [6:0-3-0,0-2-4], [8:0-3-0,0-3-0], [9:0-2-5,Edge], [13:0-3-0,0-3-4], [16:0-3-0,0-3-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.18	15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.52	15-16	>927	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.23	16-17	>999	240	Weight: 175 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
4-15,7-14: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14

REACTIONS. (size) 2=(0-3-8 + bearing block) (req. 0-3-9), 9=(0-3-8 + bearing block) (req. 0-3-9)
Max Horz 2=-146(LC 10)
Max Uplift 2=-994(LC 35), 9=-994(LC 36)
Max Grav 2=2003(LC 32), 9=2003(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5120/2368, 3-4=-4042/1777, 4-5=-2910/1164, 5-6=-2324/610, 6-7=-2912/1161, 7-8=-4043/1764, 8-9=-5126/2357
BOT CHORD 2-17=-2123/4640, 16-17=-1577/4120, 15-16=-980/3104, 14-15=-326/2322, 13-14=-951/3104, 12-13=-1551/4126, 9-12=-2097/4646
WEBS 3-16=-662/137, 4-16=0/495, 4-15=-847/159, 5-15=-49/665, 6-14=-122/665, 7-14=-843/157, 7-13=0/492, 8-13=-663/139

NOTES-
1) 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 9 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 2 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 18-0-0, Exterior(2E) 18-0-0 to 22-0-0, Exterior(2R) 22-0-0 to 27-9-6, Interior(1) 27-9-6 to 41-2-11 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
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=994, 9=994.
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.
10) This truss has been designed for a total drag load of 3800 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 95.0 plf.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A3B	HIP	1	1	R73666300
					Job Reference (optional)

8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 09:05:45 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-S2ZSODHUK1YP4J7uqyYQ5TYq?rtCou?hqJFw3oyEgMK

1-2-0	6-5-3	12-2-10	17-8-13	18-0-0	22-0-0	22-3-3	27-9-6	33-6-13	40-0-0	41-2-0
1-2-0	6-5-3	5-9-6	5-6-3	0-3-3	4-0-0	0-3-3	5-6-3	5-9-6	6-5-3	1-2-0

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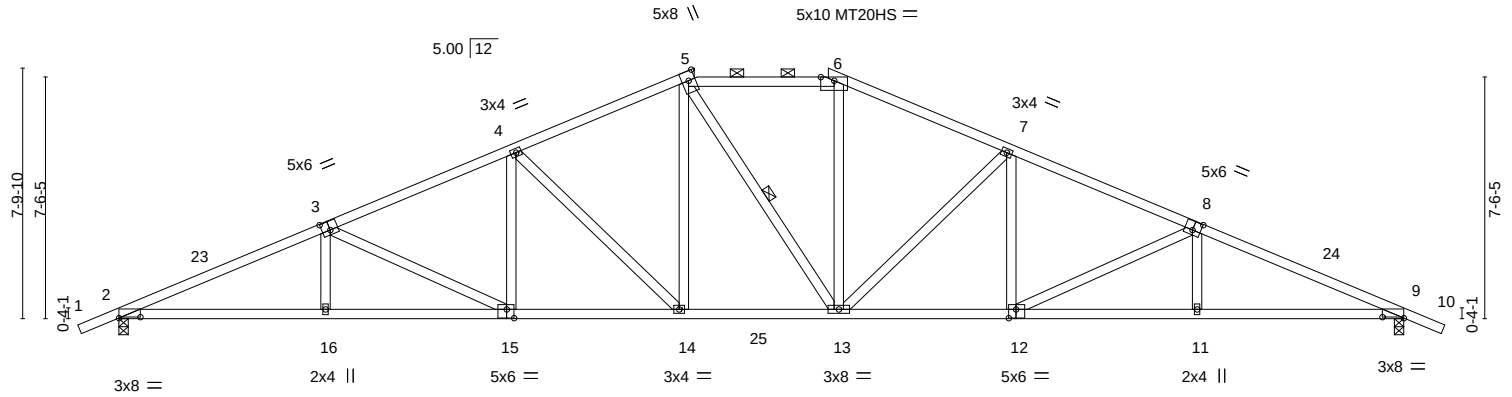

6-5-3	12-2-10	17-8-13	18-0-0	22-0-0	22-3-3	27-9-6	33-6-13	40-0-0
6-5-3	5-9-6	5-6-3	0-3-3	4-0-0	0-3-3	5-6-3	5-9-6	6-5-3

Plate Offsets (X,Y)-- [2:0-8-0,0-0-6], [3:0-3-0,0-3-4], [8:0-3-0,0-3-4], [9:0-8-0,0-0-6], [12:0-2-12,0-3-4], [15:0-2-12,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.23	13-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.56	14-15	>858	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.18	14	>999	240	Weight: 172 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std *Except*
	7-13: 2x4 SPF 1650F 1.5E

BRACING-

TOP CHORD	Sheathed, except
	2-0-0 oc purlins (4-3-14 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-13

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-142(LC 10)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=2031(LC 17), 9=2028(LC 18)

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

TOP CHORD	2-3=-4317/460, 3-4=-3598/445, 4-5=-2936/421, 5-6=-2625/416, 6-7=-2903/420, 7-8=-3592/445, 8-9=-4311/460
BOT CHORD	2-16=-340/4041, 15-16=-342/4034, 14-15=-249/3327, 13-14=-151/2711, 12-13=-262/3239, 11-12=-354/3922, 9-11=-352/3929
WEBS	3-15=-772/106, 4-15=0/536, 7-12=0/536, 8-12=-774/106, 5-14=-34/786, 6-13=-55/862, 4-14=-840/137, 7-13=-912/148

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 17-7-14, Exterior(2E) 17-7-14 to 22-4-15, Exterior(2R) 22-4-15 to 27-9-6, Interior(1) 27-9-6 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be User Defined crushing capacity of 425 psi.
8) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. This connection is for uplift only and does not consider lateral forces.
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.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A3C	Hip	1	1	R73666301
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:00 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-NBiiF2dU8hEndM6pacODYobYyv0?gcrcANmcrLyEkgf

1-2-0	6-3-14	12-0-0	20-0-0	28-0-0	33-8-2	40-0-0	41-2-0
1-2-0	6-3-14	5-8-2	8-0-0	8-0-0	5-8-2	6-3-14	1-2-0

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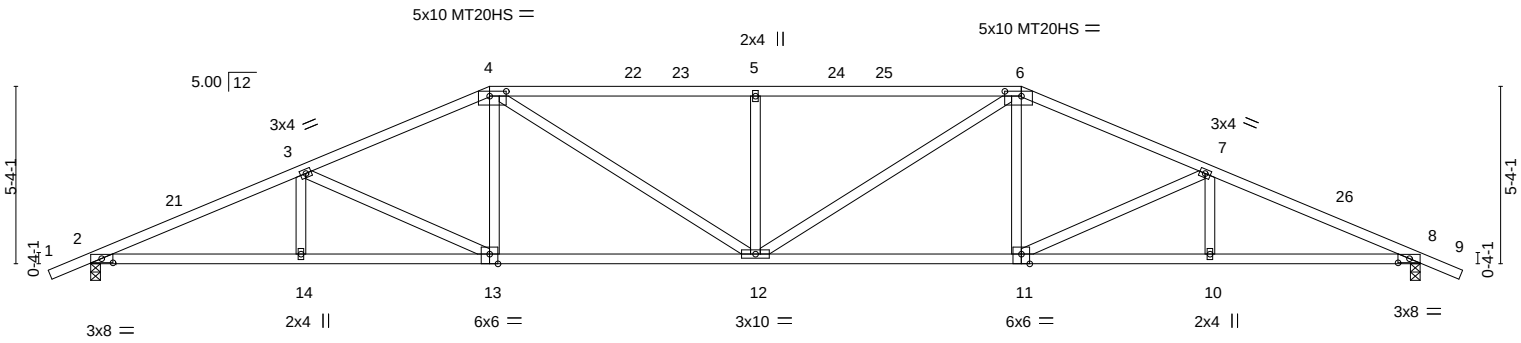


6-3-14	12-0-0	20-0-0	28-0-0	33-8-2	40-0-0
6-3-14	5-8-2	8-0-0	8-0-0	5-8-2	6-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [4:0-6-0,0-1-12], [6:0-6-0,0-1-12], [8:0-4-2,0-1-8], [11:0-3-0,Edge], [13:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.22	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.63	11-12	>757	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.19	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.22	12	>999	240	Weight: 154 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-101(LC 10)
Max Uplift 2=-206(LC 12), 8=-206(LC 12)
Max Grav 2=1843(LC 1), 8=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3928/482, 3-4=-3297/437, 4-5=-3582/501, 5-6=-3582/501, 6-7=-3297/437, 7-8=-3928/482
BOT CHORD 2-14=-363/3565, 13-14=-363/3565, 12-13=-239/2973, 11-12=-246/2973, 10-11=-375/3565, 8-10=-375/3565
WEBS 3-13=-655/143, 4-13=0/519, 4-12=-87/832, 5-12=-607/190, 6-12=-87/832, 6-11=0/519, 7-11=-655/143

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 12-0-0, Exterior(2R) 12-0-0 to 17-7-14, Interior(1) 17-7-14 to 28-0-0, Exterior(2R) 28-0-0 to 33-8-2, Interior(1) 33-8-2 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=206, 8=206.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

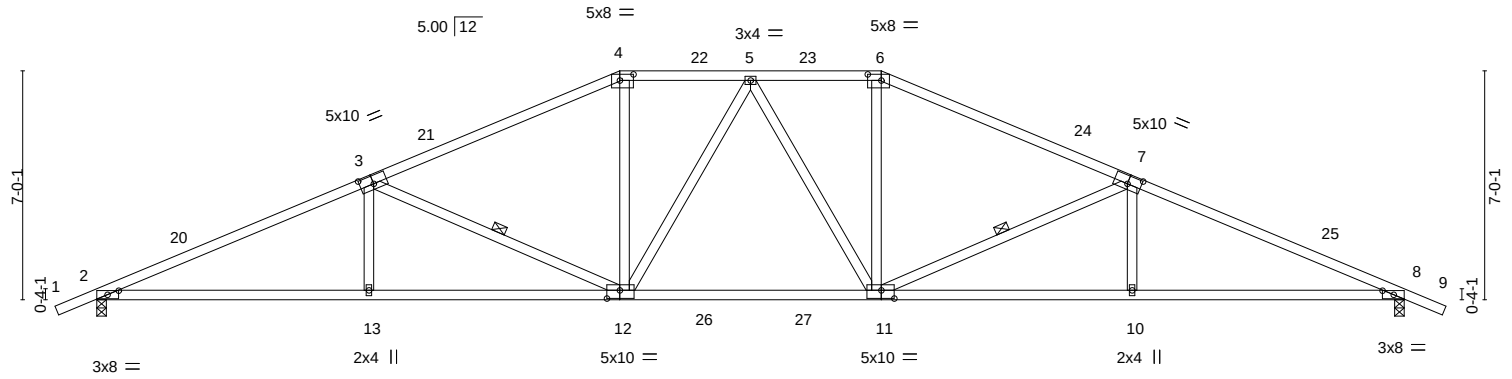
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A4	Hip	1	1	R73666302
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:02 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-JaqTgkelfJVUsgFCi1QhdDgusjf98XivdhFivEyEkgd

1-2-0	8-3-14	16-0-0	20-0-0	24-0-0	31-8-2	40-0-0	41-2-0
1-2-0	8-3-14	7-8-2	4-0-0	4-0-0	7-8-2	8-3-14	1-2-0

Scale = 1:70.5



8-3-14	16-0-0	24-0-0	31-8-2	40-0-0
8-3-14	7-8-2	8-0-0	7-8-2	8-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-5-0,0-3-0], [4:0-5-0,0-2-4], [6:0-5-0,0-2-4], [7:0-5-0,0-3-0], [8:0-4-2,0-1-8], [11:0-4-12,0-3-0], [12:0-4-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.32	11-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.69	11-12	>694	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.21	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.18	11-12	>999	240	Weight: 156 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-12, 7-11

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=131(LC 11)
Max Uplift 2=-206(LC 12), 8=-206(LC 12)
Max Grav 2=2039(LC 17), 8=2039(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4194/475, 3-4=-3174/421, 4-5=-2838/429, 5-6=-2838/429, 6-7=-3174/421, 7-8=-4194/475
BOT CHORD 2-13=-340/3910, 12-13=-343/3903, 11-12=-200/2911, 10-11=-355/3805, 8-10=-352/3812
WEBS 3-13=0/335, 3-12=-1120/186, 4-12=-21/841, 6-11=-21/841, 7-11=-1120/186, 7-10=0/335, 5-12=-261/63, 5-11=-261/63

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 16-0-0, Exterior(2R) 16-0-0 to 21-7-14, Interior(1) 21-7-14 to 24-0-0, Exterior(2R) 24-0-0 to 29-7-14, Interior(1) 29-7-14 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
74609
DUSTIN
REINMUTH
Date Signed
ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A4C	Hip	1	1	R73666303
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:05 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-k9VbIlgdyEt3j8_mN9zOFsISmwieLnoLJfTMWZyEkga

1-2-0	7-3-14	14-0-0	20-0-0	26-0-0	32-8-2	40-0-0	41-2-0
1-2-0	7-3-14	6-8-2	6-0-0	6-0-0	6-8-2	7-3-14	1-2-0

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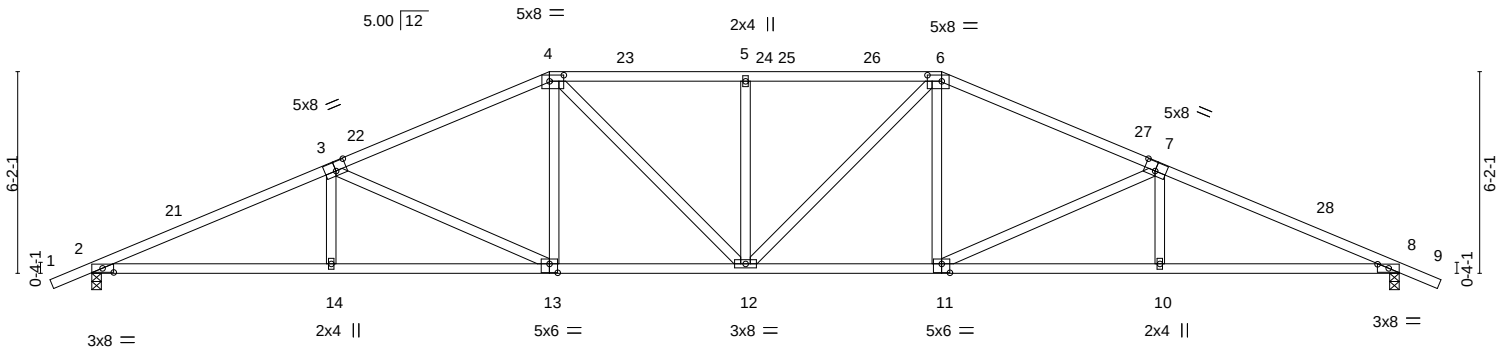


7-3-14	14-0-0	20-0-0	26-0-0	32-8-2	40-0-0
7-3-14	6-8-2	6-0-0	6-0-0	6-8-2	7-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-4-0,0-3-4], [4:0-5-4,0-2-4], [6:0-5-4,0-2-4], [7:0-4-0,0-3-4], [8:0-4-2,0-1-8], [11:0-3-0,0-3-4], [13:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.19	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.53	11-12	>902	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.19	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.19	12	>999	240	Weight: 158 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-116(LC 10)
Max Uplift 2=-206(LC 12), 8=-206(LC 12)
Max Grav 2=1843(LC 1), 8=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3875/477, 3-4=-3077/431, 4-5=-3029/463, 5-6=-3029/463, 6-7=-3077/431, 7-8=-3875/477
BOT CHORD 2-14=-351/3506, 13-14=-353/3502, 12-13=-206/2752, 11-12=-218/2752, 10-11=-365/3502, 8-10=-363/3506
WEBS 3-14=0/293, 3-13=-832/163, 4-13=0/558, 4-12=-57/509, 5-12=-437/139, 6-12=-57/509, 6-11=0/558, 7-11=-832/163, 7-10=0/293

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 14-0-0, Exterior(2R) 14-0-0 to 19-7-14, Interior(1) 19-7-14 to 26-0-0, Exterior(2R) 26-0-0 to 31-7-14, Interior(1) 31-7-14 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=206, 8=206.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

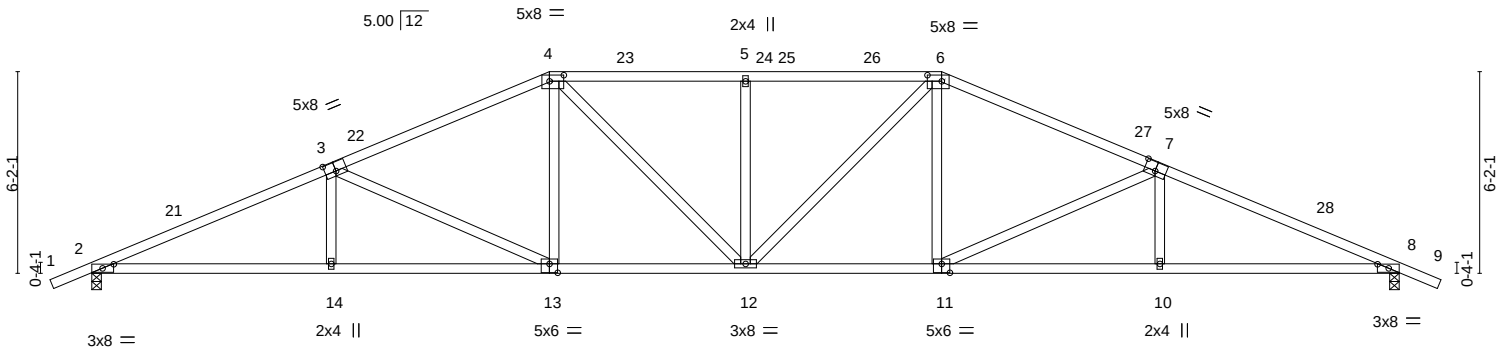
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A5	Hip	1	1	R73666304
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:07 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-gXdMjRitUr7nzR89Va0sKHNoGkO6phIenzyTaRyEkgY

1-2-0	7-3-14	14-0-0	20-0-0	26-0-0	32-8-2	40-0-0	41-2-0
1-2-0	7-3-14	6-8-2	6-0-0	6-0-0	6-8-2	7-3-14	1-2-0

Scale = 1:70.5



7-3-14	14-0-0	20-0-0	26-0-0	32-8-2	40-0-0
7-3-14	6-8-2	6-0-0	6-0-0	6-8-2	7-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-4-0,0-3-4], [4:0-5-4,0-2-4], [6:0-5-4,0-2-4], [7:0-4-0,0-3-4], [8:0-4-2,0-1-8], [11:0-3-0,0-3-4], [13:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.19	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.53	11-12	>902	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.19	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.19	12	>999	240	Weight: 158 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-116(LC 10)
Max Uplift 2=-206(LC 12), 8=-206(LC 12)
Max Grav 2=1843(LC 1), 8=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3875/477, 3-4=-3077/431, 4-5=-3029/463, 5-6=-3029/463, 6-7=-3077/431, 7-8=-3874/477
BOT CHORD 2-14=-351/3506, 13-14=-353/3502, 12-13=-206/2752, 11-12=-218/2752, 10-11=-365/3502, 8-10=-363/3506
WEBS 3-14=0/293, 3-13=-832/163, 4-13=0/558, 4-12=-57/509, 5-12=-437/139, 6-12=-57/509, 6-11=0/558, 7-11=-832/163, 7-10=0/293

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 14-0-0, Exterior(2R) 14-0-0 to 19-7-14, Interior(1) 19-7-14 to 26-0-0, Exterior(2R) 26-0-0 to 31-7-14, Interior(1) 31-7-14 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

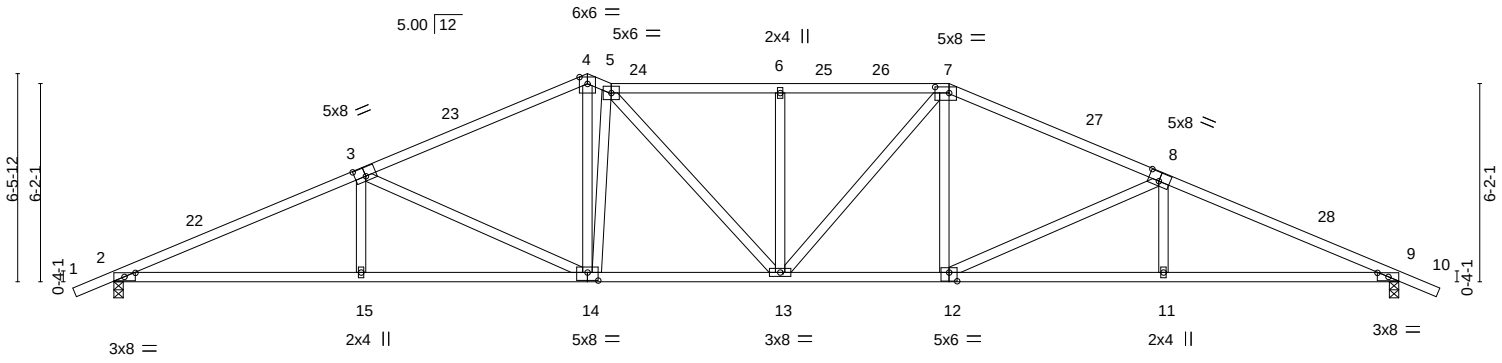
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A5B	Roof Special	1	1	R73666305
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:09 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-cwl687k80SNVCIIYc?2KPiT6oX4BHafxEGRafKyEkgW

1-2-0	7-8-6	14-8-14	15-5-13	20-8-14	26-0-0	32-8-2	40-0-0	41-2-0
1-2-0	7-8-6	7-0-9	0-8-14	5-3-2	5-3-2	6-8-2	7-3-14	1-2-0

Scale = 1:71.7



7-8-6	14-8-14	20-8-14	26-0-0	32-8-2	40-0-0
7-8-6	7-0-9	6-0-0	5-3-2	6-8-2	7-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-4-0,0-3-4], [7:0-5-4,0-2-4], [8:0-4-0,0-3-4], [9:0-4-2,0-1-8], [12:0-3-0,0-3-4], [14:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.20	13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.56	13-14	>850	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.20	13	>999	240	Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
3-14: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-121(LC 10)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=1843(LC 1), 9=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3848/510, 3-4=-3011/467, 4-5=-2789/463, 5-6=-3019/507, 6-7=-3019/507, 7-8=-3074/473, 8-9=-3876/498
BOT CHORD 2-15=-384/3478, 14-15=-386/3473, 13-14=-256/2834, 12-13=-236/2748, 11-12=-355/3503, 9-11=-353/3508
WEBS 3-15=0/313, 3-14=-880/163, 4-14=-157/1626, 5-14=-1182/179, 5-13=-48/390, 6-13=-406/138, 7-13=-65/427, 7-12=0/545, 8-12=-839/162, 8-11=0/297

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 14-8-14, Exterior(2E) 14-8-14 to 15-5-13, Interior(1) 15-5-13 to 26-0-0, Exterior(2R) 26-0-0 to 30-0-0, Interior(1) 30-0-0 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

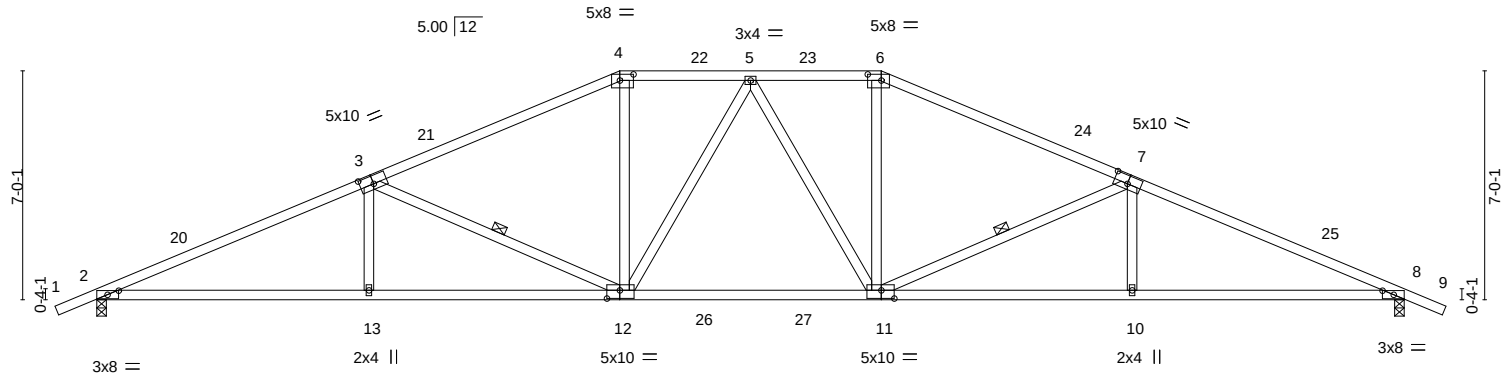
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A5C	Hip	1	1	R73666306
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:12 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-1VQFm9m0JNl43D07H7b11K5bLl3UU3BNwEgEGfyEkgT

1-2-0	8-3-14	16-0-0	20-0-0	24-0-0	31-8-2	40-0-0	41-2-0
1-2-0	8-3-14	7-8-2	4-0-0	4-0-0	7-8-2	8-3-14	1-2-0

Scale = 1:70.5



8-3-14	16-0-0	24-0-0	31-8-2	40-0-0
8-3-14	7-8-2	8-0-0	7-8-2	8-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-5-0,0-3-0], [4:0-5-0,0-2-4], [6:0-5-0,0-2-4], [7:0-5-0,0-3-0], [8:0-4-2,0-1-8], [11:0-4-12,0-3-0], [12:0-4-12,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.32	11-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.69	11-12	>694	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.21	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.18	11-12	>999	240	Weight: 156 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-12, 7-11

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-131(LC 10)
Max Uplift 2=-206(LC 12), 8=-206(LC 12)
Max Grav 2=2039(LC 17), 8=2039(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4194/475, 3-4=-3174/421, 4-5=-2838/429, 5-6=-2838/429, 6-7=-3174/421, 7-8=-4194/475
BOT CHORD 2-13=-340/3910, 12-13=-343/3903, 11-12=-200/2911, 10-11=-355/3805, 8-10=-352/3812
WEBS 3-13=0/335, 3-12=-1120/186, 4-12=-21/841, 5-12=-261/63, 5-11=-261/63, 6-11=-21/841, 7-11=-1120/186, 7-10=0/335

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 16-0-0, Exterior(2R) 16-0-0 to 21-7-14, Interior(1) 21-7-14 to 24-0-0, Exterior(2R) 24-0-0 to 29-7-14, Interior(1) 29-7-14 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=206, 8=206.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Registered Professional Engineer (Civil) CERTIFICATE NO. 74609 DUSTIN REINMUTH Date Signed ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

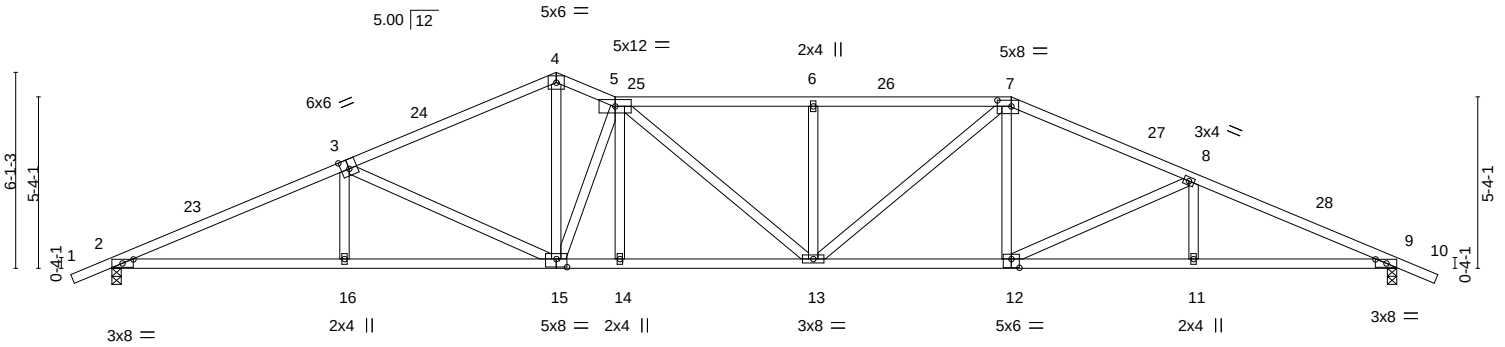
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A6	Roof Special	1	1	R73666307
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:14 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-zuY?BqnGr??nIWAVPYeV6lA_cYnpyrYgOY9LKXyEkgR

1-2-0	7-2-14	13-10-0	15-8-0	21-10-0	28-0-0	33-8-2	40-0-0	41-2-0
1-2-0	7-2-14	6-7-2	1-10-0	6-2-0	6-2-0	5-8-2	6-3-14	1-2-0

Scale = 1:71.7



7-2-14	13-10-0	15-8-0	21-10-0	28-0-0	33-8-2	40-0-0
7-2-14	6-7-2	1-10-0	6-2-0	6-2-0	5-8-2	6-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-3-0,Edge], [7:0-5-4,0-2-4], [9:0-4-2,0-1-8], [12:0-3-0,0-3-4], [15:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.23	13-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.65	13-14	>742	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.20	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.23	13-14	>999	240	Weight: 164 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
4-15: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-114(LC 10)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=1843(LC 1), 9=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3880/508, 3-4=-3096/467, 4-5=-3002/490, 5-6=-3510/546, 6-7=-3510/546, 7-8=-3284/485, 8-9=-3935/503
BOT CHORD 2-16=-386/3512, 15-16=-388/3507, 14-15=-321/3329, 13-14=-320/3330, 12-13=-271/2958, 11-12=-377/3571, 9-11=-377/3571
WEBS 3-16=0/294, 3-15=-827/156, 4-15=-217/1982, 5-15=-1628/223, 5-13=-42/349, 6-13=-470/158, 7-13=-94/714, 7-12=0/486, 8-12=-680/142

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 13-10-0, Exterior(2E) 13-10-0 to 15-8-0, Interior(1) 15-8-0 to 28-0-0, Exterior(2R) 28-0-0 to 32-0-0, Interior(1) 32-0-0 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
74609
DUSTIN
REINMUTH
Date Signed
ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

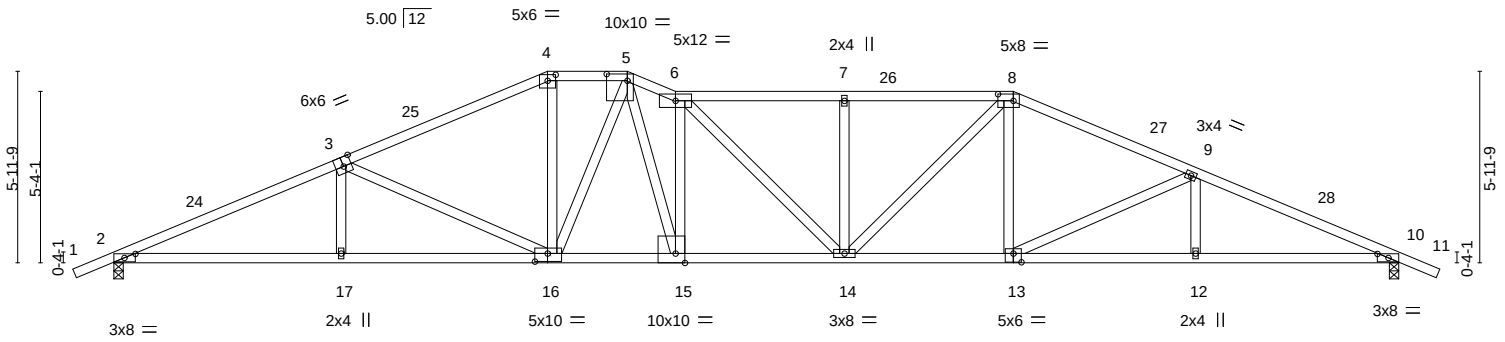
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A6B	Roof Special	1	1	R73666308
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:16 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-vGglcWpXMcFVYqKuWzgzBAFKgMUUQktzrseSPQyEkgP

1-2-0	7-0-14	13-6-0	15-11-13	17-5-13	22-8-14	28-0-0	33-8-2	40-0-0	41-2-0
1-2-0	7-0-14	6-5-2	2-5-13	1-6-0	5-3-2	5-3-2	5-8-2	6-3-14	1-2-0

Scale = 1:71.7



7-0-14	13-6-0	15-11-13	17-5-13	22-8-14	28-0-0	33-8-2	40-0-0
7-0-14	6-5-2	2-5-13	1-6-0	5-3-2	5-3-2	5-8-2	6-3-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-3-0,Edge], [4:0-3-0,0-2-4], [5:0-7-12,0-2-8], [8:0-5-12,0-2-8], [10:0-4-2,0-1-8], [13:0-3-0,0-3-4], [15:0-3-8,Edge], [16:0-4-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.23	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.64	14-15	>752	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.20	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.23	14-15	>999	240	Weight: 170 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-112(LC 10)
Max Uplift 2=-206(LC 12), 10=-206(LC 12)
Max Grav 2=1843(LC 1), 10=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3895/563, 3-4=-3126/521, 4-5=-2798/522, 5-6=-3779/656, 6-7=-3454/579, 7-8=-3454/579, 8-9=-3280/515, 9-10=-3937/533
BOT CHORD 2-17=-439/3529, 16-17=-440/3528, 15-16=-315/2976, 14-15=-381/3430, 13-14=-298/2953, 12-13=-394/3573, 10-12=-394/3573
WEBS 3-17=0/284, 3-16=-815/153, 4-16=-54/862, 6-15=-1651/308, 7-14=-400/139, 8-14=-111/695, 8-13=0/474, 9-13=-688/142, 5-16=-546/69, 5-15=-267/1799

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 13-6-0, Exterior(2E) 13-6-0 to 17-5-13, Interior(1) 17-5-13 to 28-0-0, Exterior(2R) 28-0-0 to 32-0-0, Interior(1) 32-0-0 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Registered Professional Engineer (Civil) CERTIFICATE NO. 74609 DUSTIN REINMUTH Date Signed ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

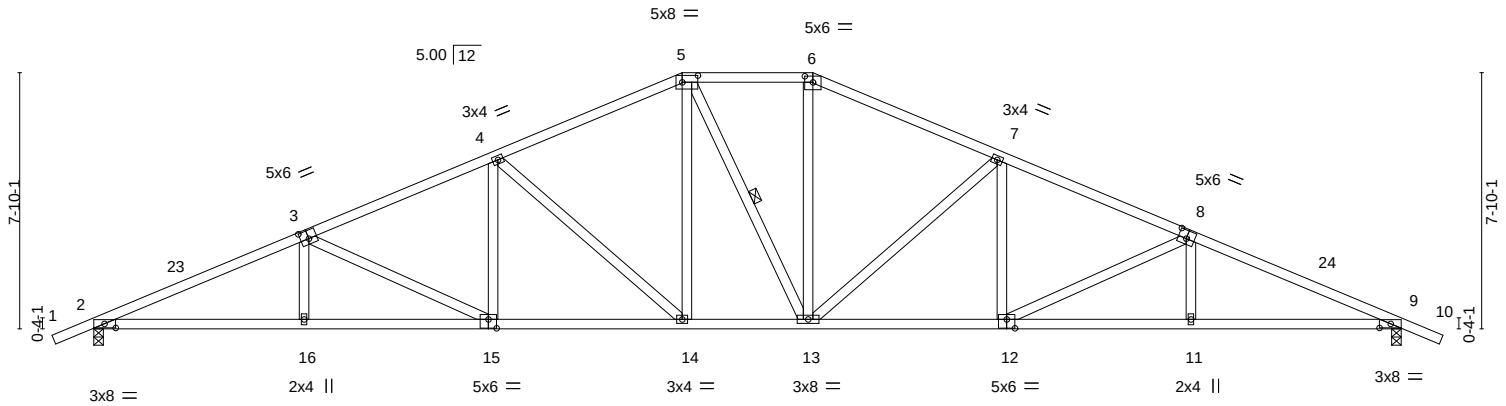
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A6C	Hip	1	1	R73666309
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:18 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-rfoW1CrnuDWDn8UGeOiSGbLg199HukRGJA7ZTIyEkgN

1-2-0	6-5-3	12-2-10	18-0-0	22-0-0	27-9-6	33-6-13	40-0-0	41-2-0
1-2-0	6-5-3	5-9-6	5-9-6	4-0-0	5-9-6	5-9-6	6-5-3	1-2-0

Scale = 1:70.5



6-5-3	12-2-10	18-0-0	22-0-0	27-9-6	33-6-13	40-0-0
6-5-3	5-9-6	5-9-6	4-0-0	5-9-6	5-9-6	6-5-3

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-3-0,0-3-0], [5:0-5-12,0-2-8], [6:0-3-0,0-2-4], [8:0-3-0,0-3-0], [9:0-4-2,0-1-8], [12:0-3-0,0-3-4], [15:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.18	14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.52	14-15	>927	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.18	14	>999	240	Weight: 172 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
4-14,7-13: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-13

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=146(LC 11)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=1843(LC 1), 9=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3920/457, 3-4=-3283/442, 4-5=-2586/410, 5-6=-2324/411, 6-7=-2588/410, 7-8=-3282/442, 8-9=-3920/457
BOT CHORD 2-16=-337/3554, 15-16=-339/3550, 14-15=-248/2951, 13-14=-131/2322, 12-13=-260/2950, 11-12=-351/3550, 9-11=-349/3555
WEBS 3-15=-662/106, 4-15=0/495, 4-14=-847/157, 5-14=-46/665, 6-13=-50/665, 7-13=-843/157, 7-12=0/492, 8-12=-663/106

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 18-0-0, Exterior(2E) 18-0-0 to 22-0-0, Exterior(2R) 22-0-0 to 27-9-6, Interior(1) 27-9-6 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=206, 9=206.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

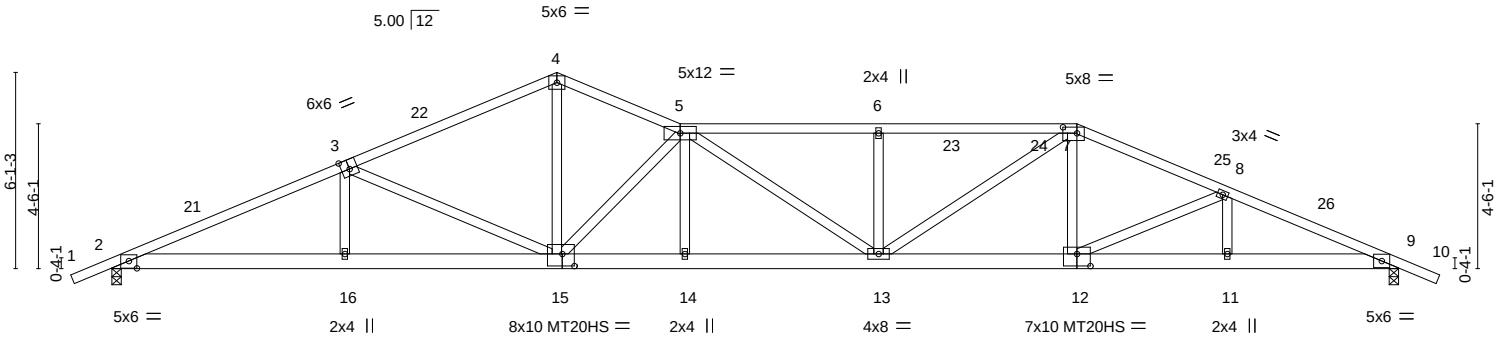
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A7	Roof Special	1	1	R73666310
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:20 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-o2vGSus1Qrmx0RdflplwM0Q10zsnMZ_ZmUcfYByEkgL

1-2-0	7-2-14	13-10-0	17-8-0	23-10-0	30-0-0	34-8-2	40-0-0	41-2-0
1-2-0	7-2-14	6-7-2	3-10-0	6-2-0	6-2-0	4-8-2	5-3-14	1-2-0

Scale = 1:71.6



7-2-14	13-10-0	17-8-0	23-10-0	30-0-0	34-8-2	40-0-0
7-2-14	6-7-2	3-10-0	6-2-0	6-2-0	4-8-2	5-3-14

Plate Offsets (X,Y)-- [2:0-3-0,0-2-11], [3:0-3-0,Edge], [7:0-5-4,0-2-4], [12:0-5-0,0-4-8], [15:0-4-8,0-4-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	16.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.23	13-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.63	13-14	>758	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.23	13-14	>999	240	Weight: 183 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E *Except*
4-5,5-7: 2x4 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
4-15,5-15: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-114(LC 10)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=1843(LC 1), 9=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3955/512, 3-4=-3136/463, 4-5=-3084/484, 5-6=-4152/605, 6-7=-4152/605, 7-8=-3561/508, 8-9=-4074/521
BOT CHORD 2-16=-389/3602, 15-16=-391/3596, 14-15=-433/4203, 13-14=-432/4206, 12-13=-316/3230, 11-12=-414/3727, 9-11=-414/3727
WEBS 3-16=0/334, 3-15=-872/162, 4-15=-210/1985, 5-15=-2049/282, 6-13=-465/158, 7-13=-137/1109, 7-12=0/450, 8-12=-550/127

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 13-10-0, Exterior(2E) 13-10-0 to 17-8-0, Interior(1) 17-8-0 to 30-0-0, Exterior(2R) 30-0-0 to 34-0-0, Interior(1) 34-0-0 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

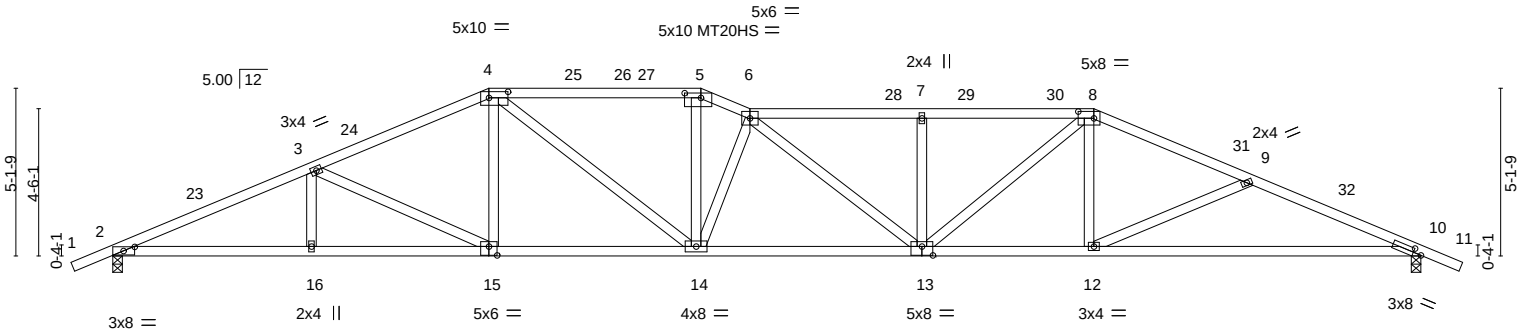
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A7B	Roof Special	1	1	R73666311
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:22 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-kQ10tauHyS0fGln2tDnORRVLvnXbqX?sDo5mc4yEkgJ

1-2-0	6-0-14	11-6-0	17-11-13	19-5-13	24-8-14	30-0-0	34-8-2	40-0-0	41-2-0
1-2-0	6-0-14	5-5-2	6-5-13	1-6-0	5-3-2	5-3-2	4-8-2	5-3-14	1-2-0

Scale = 1:70.5



6-0-14	11-6-0	17-11-13	19-5-13	24-8-14	30-0-0	40-0-0
6-0-14	5-5-2	6-5-13	1-6-0	5-3-2	5-3-2	10-0-0

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [4:0-7-0,0-2-4], [5:0-6-0,0-1-12], [8:0-5-12,0-2-8], [10:0-3-0,0-1-8], [13:0-4-0,0-3-4], [15:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.24	13-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.69	13-14	>696	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.17	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.24	13-14	>999	240	Weight: 160 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-97(LC 10)
Max Uplift 2=-206(LC 12), 10=-206(LC 12)
Max Grav 2=1843(LC 1), 10=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3946/593, 3-4=-3339/557, 4-5=-3627/620, 5-6=-3872/647, 6-7=-3978/651, 7-8=-3978/651, 8-9=-3497/530, 9-10=-3927/595
BOT CHORD 2-16=-474/3582, 15-16=-474/3582, 14-15=-358/3015, 13-14=-516/4162, 12-13=-337/3177, 10-12=-469/3595
WEBS 3-15=-637/129, 4-15=0/466, 4-14=-88/863, 5-14=-101/1130, 6-14=-1563/257, 6-13=-350/51, 7-13=-401/139, 8-13=-178/1026, 8-12=0/464, 9-12=-470/170

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 11-6-0, Exterior(2R) 11-6-0 to 15-6-0, Interior(1) 15-6-0 to 17-11-13, Exterior(2E) 17-11-13 to 19-5-13, Interior(1) 19-5-13 to 30-0-0, Exterior(2R) 30-0-0 to 34-0-0, Interior(1) 34-0-0 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

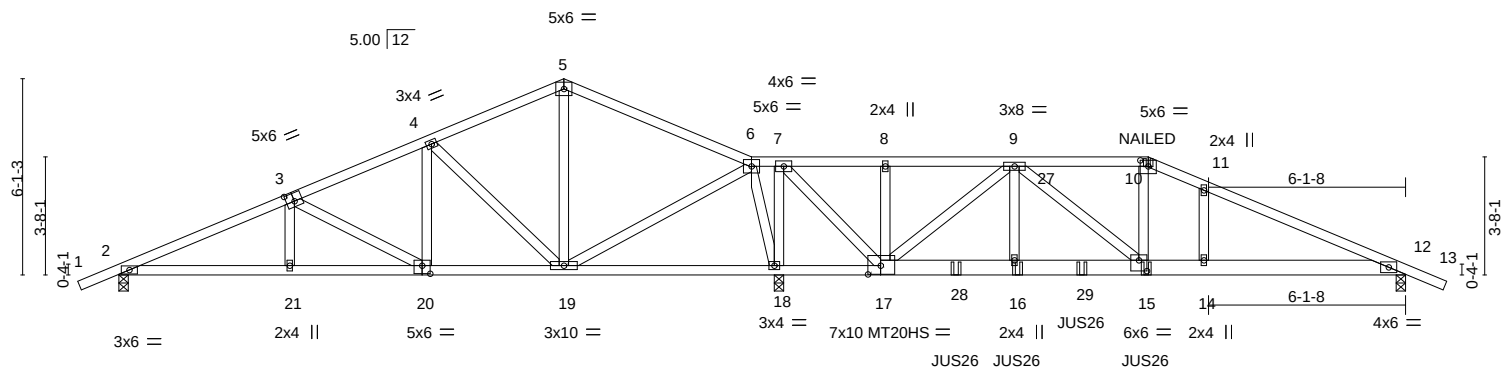
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A8G	Roof Special Girder	1	2	R73666312
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:26 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-cBHXixxo0gW4lM5p63rKbHg3xOxwmKxR8Q3_IryEkgF

1-2-0	5-3-12	9-6-14	13-10-0	19-8-0	23-9-15	27-10-1	32-0-0	33-10-8	40-0-0	41-2-0
1-2-0	5-3-12	4-3-2	4-3-2	5-10-0	4-1-15	4-0-3	4-1-15	1-10-8	6-1-8	1-2-0

Scale = 1:71.6



5-3-12	9-6-14	13-10-0	19-8-0	20-8-0	23-9-15	27-10-1	32-0-0	33-10-8	40-0-0
5-3-12	4-3-2	4-3-2	5-10-0	1-0-0	3-1-15	4-0-3	4-1-15	1-10-8	6-1-8

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [10:0-3-0,0-2-4], [15:0-3-0,0-4-0], [17:0-4-12,0-3-4], [20:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.07	14-26	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.20	14-26	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.08	14-26	>999	240	Weight: 352 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
12-17: 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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, Except:
6-0-0 oc bracing: 18-19,17-18.

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 18=0-3-8
Max Horz 2=114(LC 7)
Max Uplift 2=-231(LC 27), 12=-273(LC 8), 18=-418(LC 8)
Max Grav 2=787(LC 13), 12=1730(LC 20), 18=3389(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1343/428, 3-4=-866/427, 4-5=-402/411, 5-6=-424/403, 6-7=-182/1850, 9-10=-3053/501, 10-11=-3241/525, 11-12=-3327/484
BOT CHORD 2-21=-320/1274, 20-21=-322/1270, 19-20=-260/808, 18-19=-1544/266, 17-18=-1850/314, 16-17=-282/2100, 15-16=-281/2095, 14-15=-362/3013, 12-14=-362/3013
WEBS 3-20=-533/78, 4-20=0/369, 4-19=-619/102, 5-19=-389/81, 6-19=-140/1761, 8-17=-267/76, 9-17=-2516/357, 9-16=-135/574, 9-15=-158/1277, 10-15=-151/895, 7-18=-2054/298, 6-18=-1248/196, 7-17=-410/2769

NOTES-
1) 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: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 12, and 18. This connection is for uplift only and does not consider lateral forces.
10) 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.
11) 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 26-0-5 to 31-11-4 to connect truss(es) to front face of bottom chord.

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400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

12) Fill all nail holes where hanger is in contact with lumber.
13) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 33-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-68, 5-6=-68, 6-10=-68, 10-13=-68, 12-22=-20
   Concentrated Loads (lb)
   Vert: 10=-19(F) 16=-326(F) 15=-319(F) 14=-777 28=-326(F) 29=-319(F)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A8GB	Roof Special Girder	1	2	R73666313
					Job Reference (optional)

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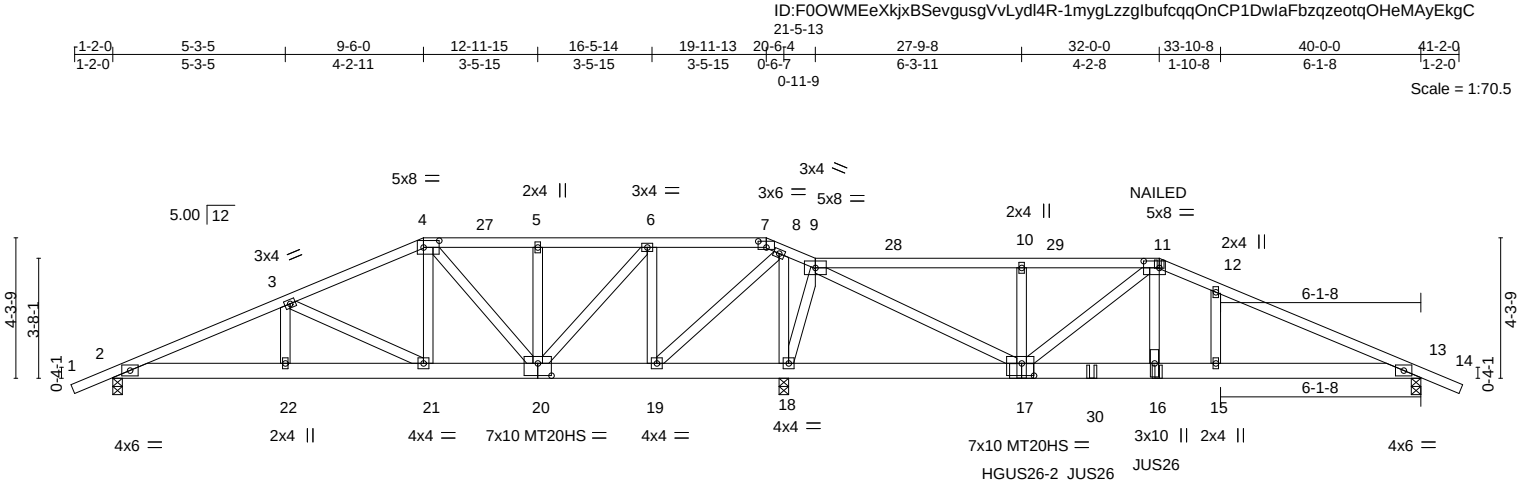

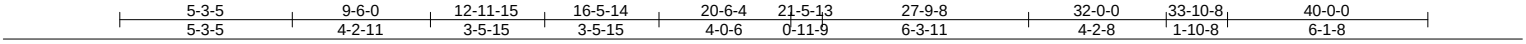

Plate Offsets (X,Y)-- [4:0-5-12,0-2-8], [7:0-3-0,0-2-4], [11:0-5-12,0-2-8], [17:0-4-8,0-4-8], [20:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.08	15-26	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.20	15-26	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.09	15-26	>999	240	Weight: 379 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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

REACTIONS. (size) 2=0-3-8, 18=0-3-8, 13=0-3-8
Max Horz 2=-82(LC 32)
Max Uplift 2=-263(LC 34), 18=-872(LC 8), 13=-437(LC 8)
Max Grav 2=824(LC 13), 18=3286(LC 40), 13=1665(LC 39)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1471/524, 3-4=-953/515, 4-5=-660/602, 5-6=-660/602, 6-7=-312/706, 7-8=-317/661, 8-9=-460/1898, 9-10=-1998/957, 10-11=-1998/957, 11-12=-3125/962, 12-13=-3195/919
BOT CHORD 2-22=-409/1383, 21-22=-409/1383, 20-21=-340/884, 19-20=-729/394, 18-19=-1719/555, 17-18=-1364/402, 16-17=-777/2962, 15-16=-764/2888, 13-15=-764/2888
WEBS 3-21=-584/86, 4-21=-1/366, 4-20=-563/123, 6-20=-165/968, 6-19=-1007/208, 8-19=-218/1454, 8-18=-1838/382, 9-18=-1282/545, 9-17=-1385/3759, 10-17=-383/156, 11-17=-1452/0, 11-16=-292/1720

NOTES-
1) 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 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=872.
10) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 13. This connection is for uplift only and does not consider lateral forces.
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.

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400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

12) Use Simpson Strong-Tie HGUS26-2 (20-10d Girder, 6-10d Truss) or equivalent at 27-9-8 from the left end to connect truss(es) to front face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
13) 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 29-11-4 from the left end to 31-11-4 to connect truss(es) to front face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.
15) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 33-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 4-7=-68, 7-9=-68, 9-11=-68, 11-14=-68, 2-13=-20
   Concentrated Loads (lb)
   Vert: 11=-19(F) 17=-397(F) 16=-319(F) 15=-777 30=-319(F)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A9	HIP	1	1	R73666314
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:33 2022 Page 1
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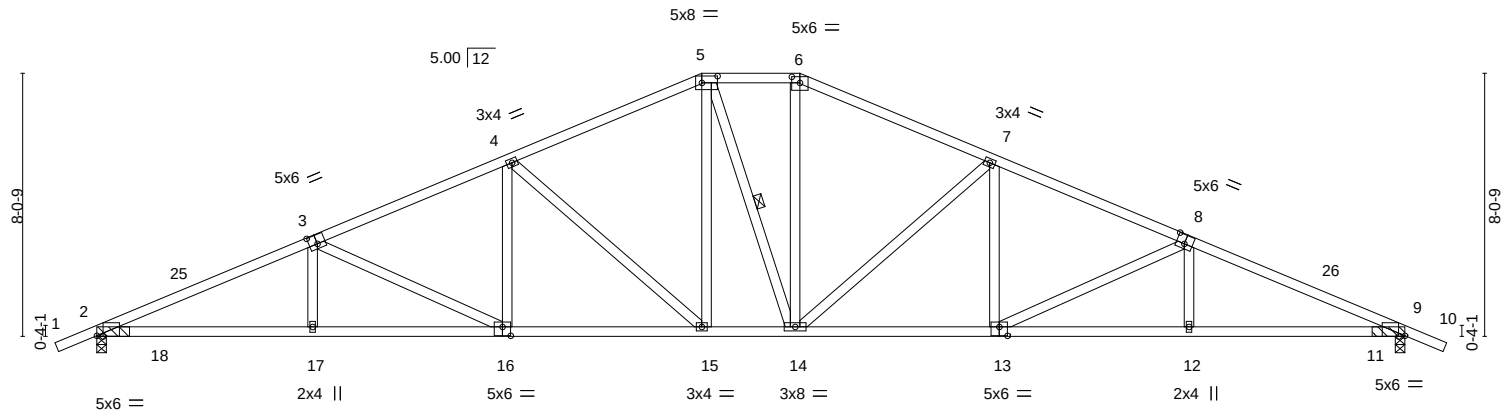
1-2-0	6-7-3	12-6-10	18-6-0	21-6-0	27-5-6	33-4-13	40-0-0	41-2-0
1-2-0	6-7-3	5-11-6	5-11-6	3-0-0	5-11-6	5-11-6	6-7-3	1-2-0

Scale = 1:70.5



6-7-3	12-6-10	18-6-0	21-6-0	27-5-6	33-4-13	40-0-0
6-7-3	5-11-6	5-11-6	3-0-0	5-11-6	5-11-6	6-7-3

Plate Offsets (X,Y)-- [2:0-2-5,Edge], [3:0-3-0,0-3-4], [5:0-5-12,0-2-8], [6:0-3-0,0-2-4], [8:0-3-0,0-3-4], [9:0-2-5,Edge], [13:0-3-0,0-3-4], [16:0-3-0,0-3-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.18	15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.52	15-16	>915	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.66	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.23	16-17	>999	240	Weight: 176 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
4-15,7-14: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14

REACTIONS. (size) 2=(0-3-8 + bearing block) (req. 0-3-9), 9=(0-3-8 + bearing block) (req. 0-3-9)
Max Horz 2=-150(LC 31)
Max Uplift 2=-997(LC 35), 9=-997(LC 36)
Max Grav 2=2005(LC 32), 9=2005(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5121/2369, 3-4=-4008/1759, 4-5=-2841/1127, 5-6=-2272/547, 6-7=-2844/1127, 7-8=-4008/1748, 8-9=-5127/2360
BOT CHORD 2-17=-2124/4640, 16-17=-1561/4104, 15-16=-945/3054, 14-15=-255/2269, 13-14=-918/3054, 12-13=-1537/4110, 9-12=-2100/4646
WEBS 3-16=-685/139, 4-16=0/510, 4-15=-875/164, 5-15=-57/660, 6-14=-117/661, 7-14=-870/162, 7-13=0/507, 8-13=-687/142

NOTES-
1) 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 9 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) 2x4 SPF 1650F 1.5E bearing block 12" long at jt. 2 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 18-6-0, Exterior(2E) 18-6-0 to 21-6-0, Exterior(2R) 21-6-0 to 27-5-6, Interior(1) 27-5-6 to 41-2-11 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
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=997, 9=997.
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.
10) This truss has been designed for a total drag load of 3800 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 40-0-0 for 95.0 plf.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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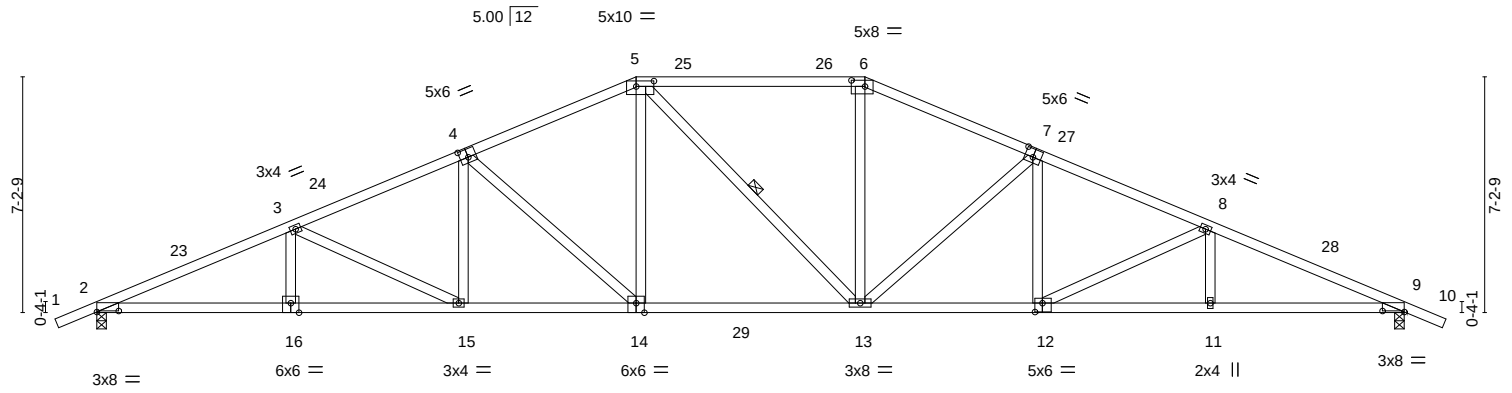
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A10	Hip	1	1	R73666315
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:43 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-7NYb5jhBG1YiuXj0axVAwZvQqsjB8jiHSuc1dJyEkhs

1-2-0	5-11-3	11-2-10	16-6-0	23-6-0	28-9-6	34-0-13	40-0-0	41-2-0
1-2-0	5-11-3	5-3-6	5-3-6	7-0-0	5-3-6	5-3-6	5-11-3	1-2-0

Scale = 1:70.5



5-11-3	11-2-10	16-6-0	23-6-0	28-9-6	34-0-13	40-0-0
5-11-3	5-3-6	5-3-6	7-0-0	5-3-6	5-3-6	5-11-3

Plate Offsets (X,Y)-- [2:0-8-0,0-0-6], [4:0-3-0,0-3-0], [5:0-6-8,0-2-0], [6:0-5-0,0-2-4], [7:0-3-0,0-3-0], [9:0-8-0,0-0-6], [12:0-2-12,0-3-4], [14:0-3-0,Edge], [16:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.27	13-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.63	13-14	>765	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.18	14	>999	240	Weight: 168 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-13

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-135(LC 10)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=2041(LC 17), 9=2036(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4384/474, 3-4=-3718/460, 4-5=-3070/432, 5-6=-2773/429, 6-7=-3045/431, 7-8=-3720/460, 8-9=-4372/474
BOT CHORD 2-16=-358/4102, 15-16=-358/4102, 14-15=-274/3446, 13-14=-169/2826, 12-13=-287/3346, 11-12=-370/3990, 9-11=-370/3990
WEBS 3-15=-716/95, 4-15=0/475, 4-14=-839/142, 5-14=-21/829, 6-13=-15/776, 7-13=-844/144, 7-12=0/483, 8-12=-705/96

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 16-6-0, Exterior(2R) 16-6-0 to 22-1-14, Interior(1) 22-1-14 to 23-6-0, Exterior(2R) 23-6-0 to 29-1-14, Interior(1) 29-1-14 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
74609
DUSTIN
REINMUTH
Date Signed
ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A11	Roof Special	1	1	R73666316
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:46 2022 Page 1
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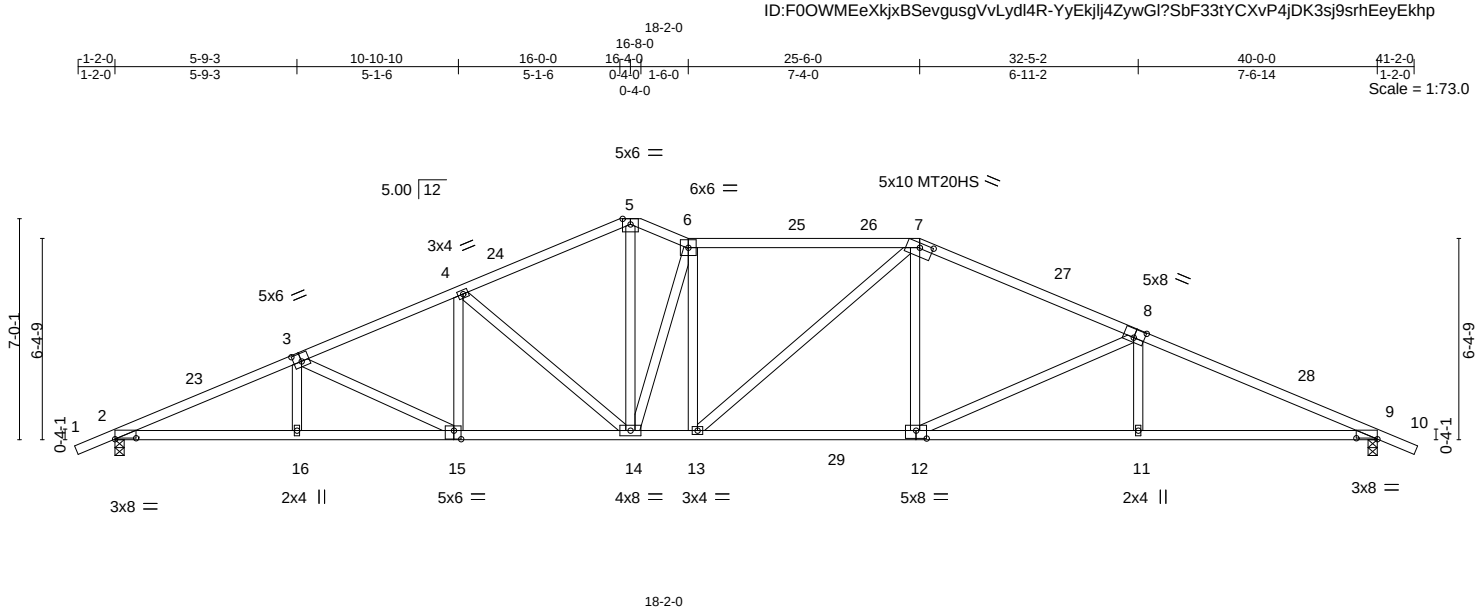

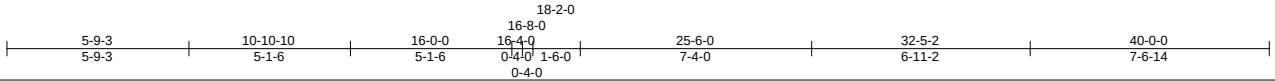

Plate Offsets (X,Y)-- [2:0-8-0,0-0-6], [3:0-3-0,0-3-0], [7:0-5-0,0-1-11], [8:0-4-0,0-3-4], [9:0-8-0,0-0-6], [12:0-4-0,0-3-0], [15:0-2-12,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.29	12-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.68	12-13	>708	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.20	12-13	>999	240	Weight: 169 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
6-14,8-12,5-14: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-132(LC 10)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=2028(LC 17), 9=2037(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4352/502, 3-4=-3747/494, 4-5=-3072/466, 5-6=-3000/493, 6-7=-3195/500, 7-8=-3341/475, 8-9=-4249/501
BOT CHORD 2-16=-390/4069, 15-16=-392/4063, 14-15=-318/3471, 13-14=-268/3218, 12-13=-233/3017, 11-12=-356/3858, 9-11=-354/3866
WEBS 3-15=-646/90, 4-15=0/484, 4-14=-835/139, 6-14=-1434/197, 7-12=0/705, 8-12=-987/166, 8-11=0/302, 5-14=-244/1959, 7-13=-43/304

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 16-4-0, Exterior(2E) 16-4-0 to 18-2-0, Interior(1) 18-2-0 to 25-6-0, Exterior(2R) 25-6-0 to 29-6-0, Interior(1) 29-6-0 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 2 and 206 lb uplift at joint 9.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A12	Roof Special	1	1	R73666317
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:48 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-ULMU8QlK5ZA__IbzMU5LddcEztRfoxX0cAKoJWyEkhn

1-2-0	7-3-14	14-0-0	18-8-0	20-2-0	27-6-0	33-5-2	40-0-0	41-2-0
1-2-0	7-3-14	6-8-2	4-8-0	1-6-0	7-4-0	5-11-2	6-6-14	1-2-0

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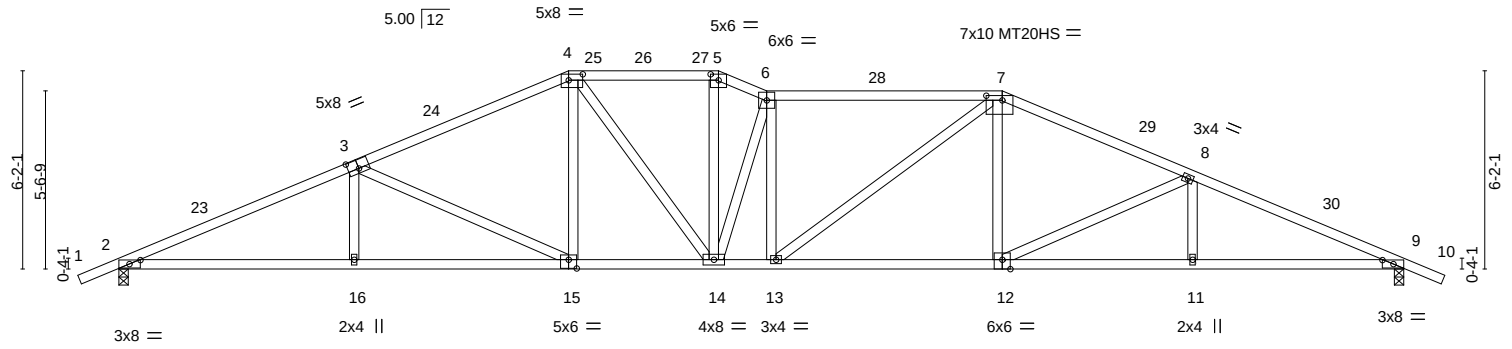


7-3-14	14-0-0	18-8-0	20-2-0	27-6-0	33-5-2	40-0-0
7-3-14	6-8-2	4-8-0	1-6-0	7-4-0	5-11-2	6-6-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-4-0,0-3-4], [4:0-5-4,0-2-4], [5:0-3-0,0-2-4], [7:0-6-0,0-1-12], [9:0-4-2,0-1-8], [12:0-3-0,Edge], [15:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.21	13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.61	12-13	>784	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.21	13	>999	240	Weight: 168 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=116(LC 11)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=1843(LC 1), 9=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3876/587, 3-4=-3073/544, 4-5=-2981/570, 5-6=-3239/616, 6-7=-3370/611, 7-8=-3246/538, 8-9=-3915/557
BOT CHORD 2-16=-458/3508, 15-16=-460/3504, 14-15=-317/2747, 13-14=-407/3377, 12-13=-317/2924, 11-12=-422/3550, 9-11=-422/3550
WEBS 3-16=0/297, 3-15=-843/158, 4-15=0/545, 4-14=-68/493, 5-14=-181/1083, 6-14=-1413/230, 7-13=-107/584, 7-12=0/530, 8-12=-694/144

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 14-0-0, Exterior(2R) 14-0-0 to 18-0-0, Interior(1) 18-0-0 to 18-8-0, Exterior(2E) 18-8-0 to 20-2-0, Interior(1) 20-2-0 to 27-6-0, Exterior(2R) 27-6-0 to 31-6-0, Interior(1) 31-6-0 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

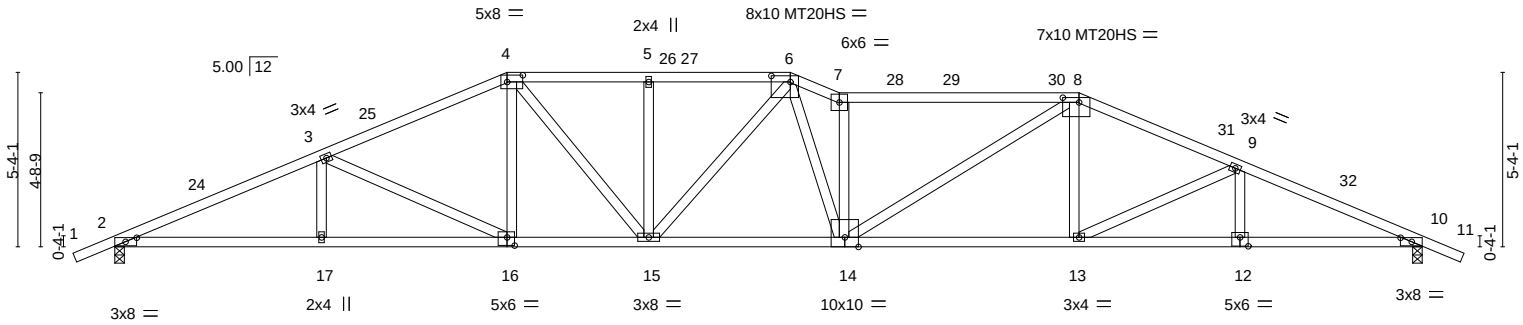
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A13	Roof Special	1	1	R73666318
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:50 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-QjTFZ6madBQiDclMUv7pi2hYth7xGsOJ3UpuNPyEkhl

1-2-0	6-3-14	12-0-0	16-4-0	20-8-0	22-2-0	29-6-0	34-5-2	40-0-0	41-2-0
1-2-0	6-3-14	5-8-2	4-4-0	4-4-0	1-6-0	7-4-0	4-11-2	5-6-14	1-2-0

Scale = 1:70.5



6-3-14	12-0-0	16-4-0	20-8-0	22-2-0	29-6-0	34-5-2	40-0-0
6-3-14	5-8-2	4-4-0	4-4-0	1-6-0	7-4-0	4-11-2	5-6-14

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [4:0-5-12,0-2-8], [6:0-7-0,0-2-4], [8:0-6-0,0-1-12], [10:0-4-2,0-1-8], [12:0-3-0,0-3-4], [16:0-2-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.25	14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.68	14-15	>702	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.20	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.25	14	>999	240	Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-101(LC 10)
Max Uplift 2=-206(LC 12), 10=-206(LC 12)
Max Grav 2=1843(LC 1), 10=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3938/585, 3-4=-3277/545, 4-5=-3386/601, 5-6=-3386/601, 6-7=-4387/758, 7-8=-3948/664, 8-9=-3444/554, 9-10=-3962/561
BOT CHORD 2-17=-465/3575, 16-17=-465/3575, 15-16=-339/2949, 14-15=-418/3487, 13-14=-354/3137, 12-13=-432/3600, 10-12=-432/3600
WEBS 3-16=-698/140, 4-16=-2/451, 4-15=-93/757, 5-15=-302/115, 7-14=-1993/408, 8-14=-152/952, 8-13=0/454, 9-13=-527/123, 6-14=-256/1707

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 12-0-0, Exterior(2R) 12-0-0 to 16-0-0, Interior(1) 16-0-0 to 20-8-0, Exterior(2E) 20-8-0 to 22-2-0, Interior(1) 22-2-0 to 29-6-0, Exterior(2R) 29-6-0 to 33-6-0, Interior(1) 33-6-0 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

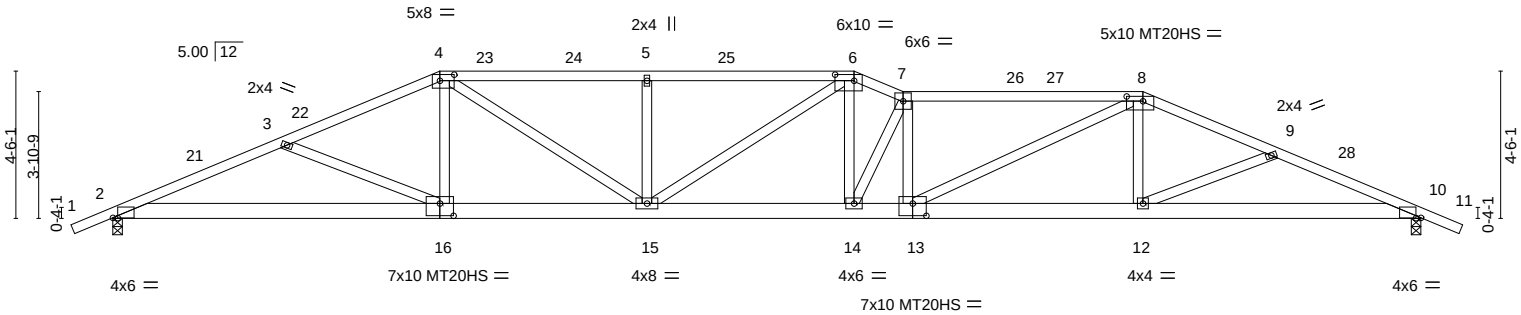
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A14	Roof Special	1	1	R73666319
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:52 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-N6b?_ooq8ogQTwvlbKAHnTnvXVrwknQcXoI?SHyEkhj

1-2-0	5-3-14	10-0-0	16-4-0	22-8-0	24-2-0	31-6-0	35-5-2	40-0-0	41-2-0
1-2-0	5-3-14	4-8-2	6-4-0	6-4-0	1-6-0	7-4-0	3-11-2	4-6-14	1-2-0

Scale = 1:70.5



10-0-0	16-4-0	22-8-0	24-2-0	31-6-0	40-0-0
10-0-0	6-4-0	6-4-0	1-6-0	7-4-0	8-6-0

Plate Offsets (X,Y)-- [2:0-1-13,0-0-1], [4:0-5-4,0-2-4], [6:0-7-0,0-2-4], [8:0-6-0,0-1-12], [10:0-1-13,0-0-1], [13:0-5-0,0-4-8], [16:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.25	14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.69	14-15	>691	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.25	14	>999	240	Weight: 183 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E *Except*
1-4,8-11: 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=85(LC 11)
Max Uplift 2=-206(LC 12), 10=-206(LC 12)
Max Grav 2=1843(LC 1), 10=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4006/640, 3-4=-3594/535, 4-5=-4159/671, 5-6=-4159/671, 6-7=-4531/732, 7-8=-4742/751, 8-9=-3766/568, 9-10=-4064/614
BOT CHORD 2-16=-523/3675, 15-16=-355/3257, 14-15=-512/4217, 13-14=-610/4799, 12-13=-392/3453, 10-12=-490/3726
WEBS 3-16=-455/183, 4-16=0/516, 4-15=-169/1161, 5-15=-473/158, 6-14=-186/1529, 7-14=-1494/246, 7-13=-680/164, 8-13=-229/1440, 8-12=0/476, 9-12=-315/152

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-9-5, Interior(1) 2-9-5 to 10-0-0, Exterior(2R) 10-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-8-0, Exterior(2E) 22-8-0 to 24-2-0, Interior(1) 24-2-0 to 31-6-0, Exterior(2R) 31-6-0 to 35-7-8, Interior(1) 35-7-8 to 41-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 8 = 16%
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
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.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	A15G	Roof Special Girder	1	2	R73666320
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:58 2022 Page 1
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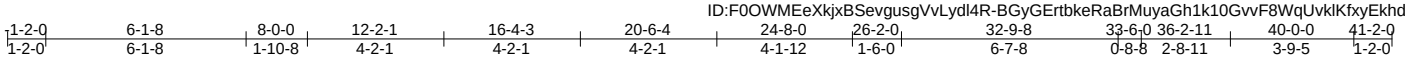

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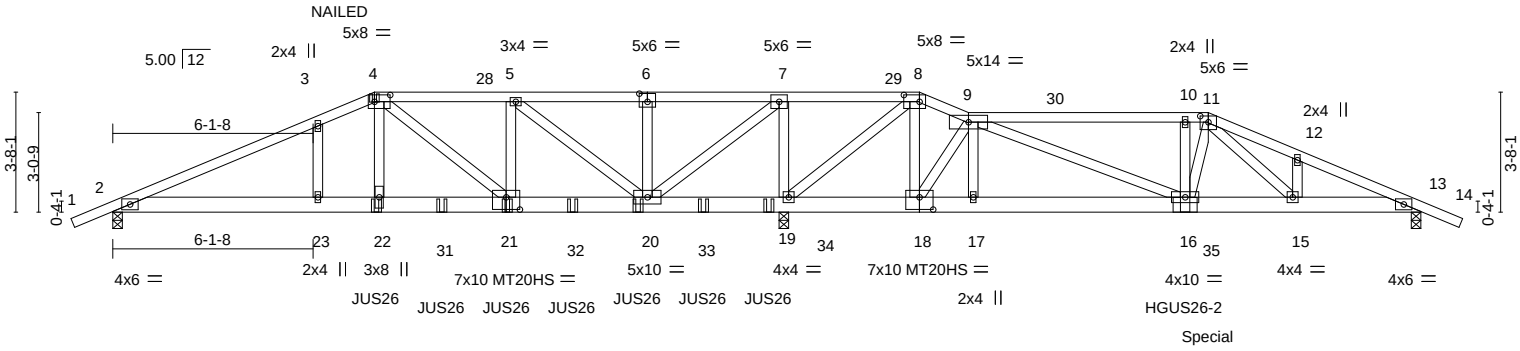

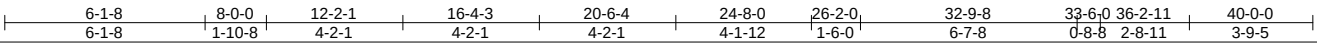

Plate Offsets (X,Y)-- [4:0-5-12,0-2-8], [6:0-3-0,0-3-0], [8:0-5-12,0-2-8], [11:0-3-0,0-2-4], [18:0-5-0,0-4-8], [21:0-5-0,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.07	23-25	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.20	23-25	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.08	23-25	>999	240	Weight: 376 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
5-20,7-20: 2x4 SPF 1650F 1.5E

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

REACTIONS. (size) 2=0-3-8, 19=0-3-8 (req. 0-3-15), 13=0-3-8
Max Horz 2=-70(LC 6)
Max Uplift 2=-275(LC 8), 19=-719(LC 8), 13=-200(LC 8)
Max Grav 2=1764(LC 19), 19=5060(LC 1), 13=1294(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3412/490, 3-4=-3324/530, 4-5=-2251/390, 5-6=-365/182, 6-7=-365/182, 7-8=-354/2981, 8-9=-155/1260, 9-10=-2279/356, 10-11=-2279/356, 11-12=-2765/401, 12-13=-2772/361
BOT CHORD 2-23=-368/3091, 22-23=-368/3091, 21-22=-379/3165, 20-21=-281/2199, 19-20=-2981/486, 18-19=-1167/252, 17-18=-619/263, 16-17=-602/269, 15-16=-207/2087, 13-15=-270/2529
WEBS 4-22=-253/1677, 4-21=-1237/156, 5-21=-127/1222, 5-20=-2397/341, 6-20=-263/82, 7-20=-600/4034, 7-19=-2839/467, 8-19=-2391/300, 8-18=-102/950, 9-18=-1449/200, 9-17=0/388, 9-16=-430/2841, 10-16=-539/263, 11-16=-185/750, 11-15=-89/622

NOTES-
1) 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 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) WARNING: Required bearing size at joint(s) 19 greater than input bearing size.
10) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 19, and 13. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and Continued on page 2 standard ANSI/TPI 1.

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NOTES-

12) 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 8-0-12 from the left end to 20-0-12 to connect truss(es) to front face of bottom chord.
13) Use Simpson Strong-Tie HGUS26-2 (20-10d Girder, 6-10d Truss) or equivalent at 32-9-8 from the left end to connect truss(es) to front face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.
15) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 6-0-12, and 748 lb down and 96 lb up at 33-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 4-8=-68, 8-9=-68, 9-11=-68, 11-14=-68, 2-13=-20
   Concentrated Loads (lb)
   Vert: 4=-19(F) 21=-319(F) 22=-319(F) 20=-319(F) 16=-600(F) 23=-777 31=-319(F) 32=-319(F) 33=-319(F) 34=-326(F) 35=-748(F)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CG1	DIAGONAL HIP GIRDER	1	1	R73666321
					Job Reference (optional)

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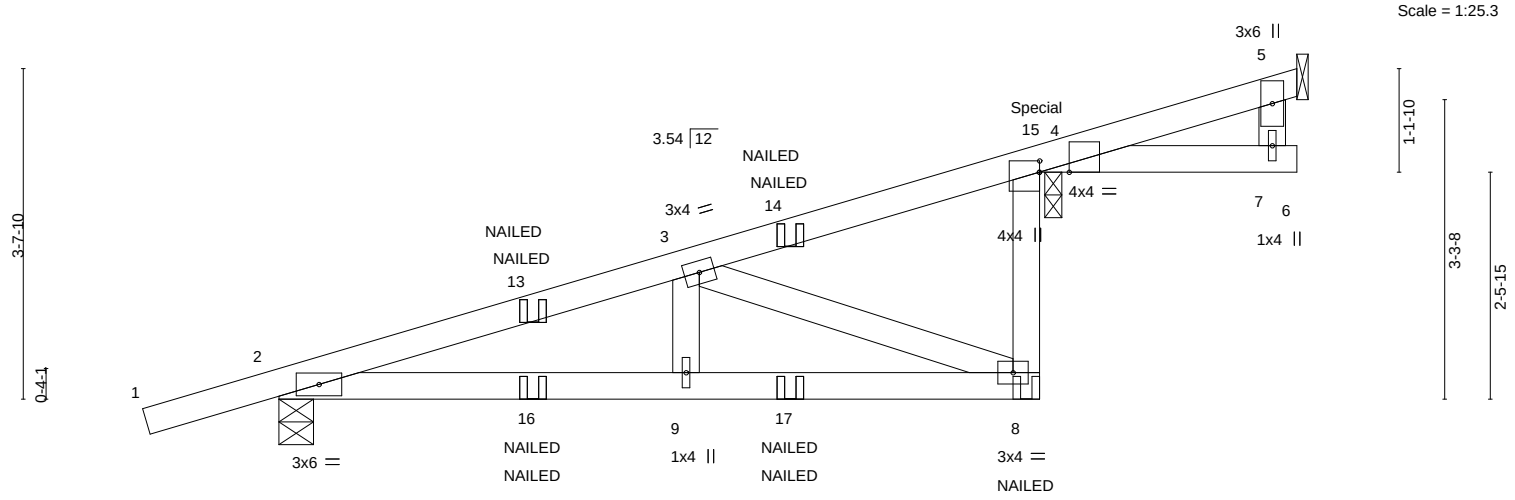
ID:F0OWMEeXkjxBSevgusgVvLydl4R-K7tJpM23flngxvskhA1g?O4mcQPQ6yvvRzUV6GyEkg5

-1-5-0 | 4-5-11 | 8-4-5 | 11-0-12 | 11-2-4
1-5-0 | 4-5-11 | 3-10-10 | 2-8-7 | 0-1-8

Scale = 1:25.3



4-5-11 | 8-4-5 | 8-7-4 | 11-0-12 | 11-2-4
4-5-11 | 3-10-10 | 0-2-15 | 2-5-8 | 0-1-8

Plate Offsets (X,Y)-- [4:0-3-15,0-0-0], [4:0-1-8,0-0-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.05	8-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.14	8-9	>742	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	-0.04	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.05	8-9	>999	240	Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-9, 5=Mechanical, 4=0-2-4
Max Horz 2=2182(LC 1), 4=-2182(LC 1)
Max Uplift 2=-157(LC 8)
Max Grav 2=1226(LC 1), 5=108(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3157/276, 3-4=-2421/258
BOT CHORD 2-9=-53/817, 8-9=-53/817
WEBS 3-8=-781/60, 4-8=0/374

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=157.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4.
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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
10) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 106 lb down and 92 lb up at 8-5-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-76, 8-10=-20, 4-6=-20

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 8=-48(F) 14=-19(F=-10, B=-10) 15=-68(F) 16=-3(F=-1, B=-1) 17=-45(F=-22, B=-22)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CG2	DIAGONAL HIP GIRDER	2	1	R73666322
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:38 2022 Page 1
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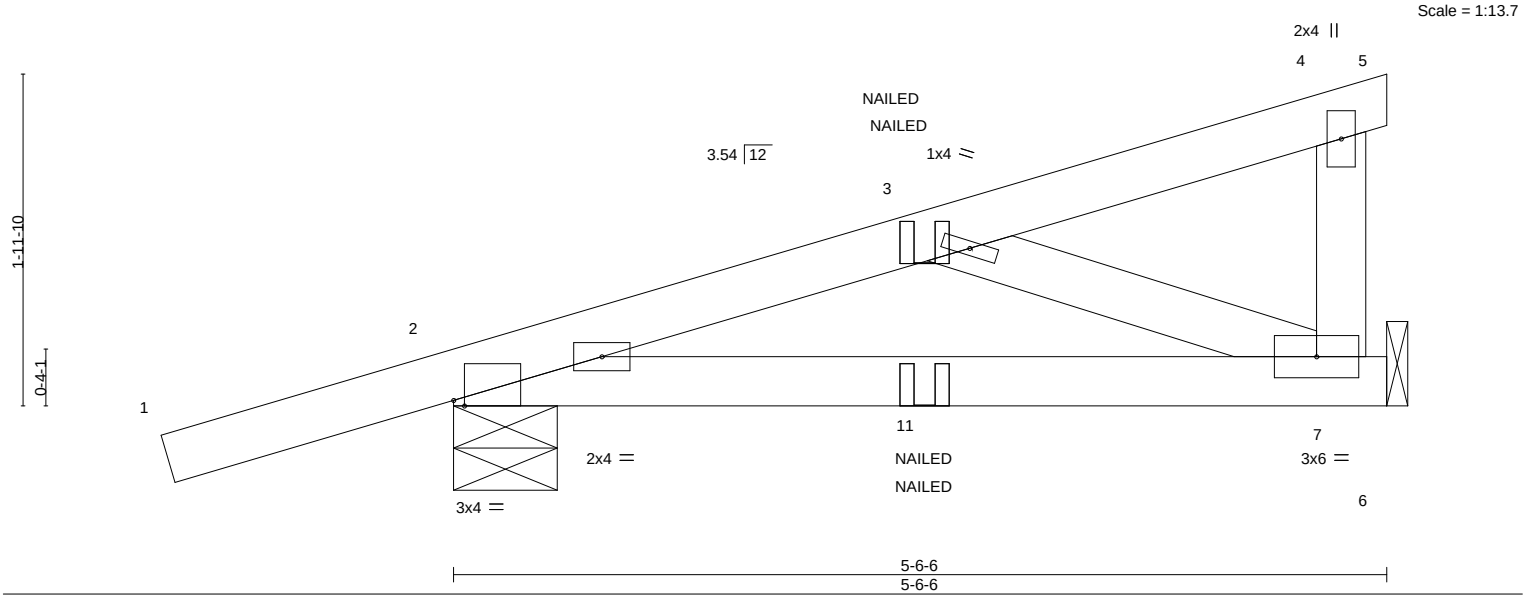

Plate Offsets (X,Y)-- [2:0-0-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.02	7-10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.03	7-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	-0.01	7-10	>999	240	Weight: 19 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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

REACTIONS. (size) 2=0-7-6, 7=Mechanical
Max Horz 2=71(LC 7)
Max Uplift 2=-91(LC 8), 7=-13(LC 8)
Max Grav 2=403(LC 1), 7=249(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-352/30
BOT CHORD 2-7=-29/330
WEBS 3-7=-350/35

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-76, 4-5=-36, 6-8=-20
Concentrated Loads (lb)
Vert: 11=-3(F=-1, B=-1)

Registered Professional Engineer (Civil) CERTIFICATE NO. 74609 DUSTIN REINMUTH Date Signed ARIZONA U.S.A.

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Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CG2E	DIAGONAL HIP GIRDER	2	1	R73666323
					Job Reference (optional)

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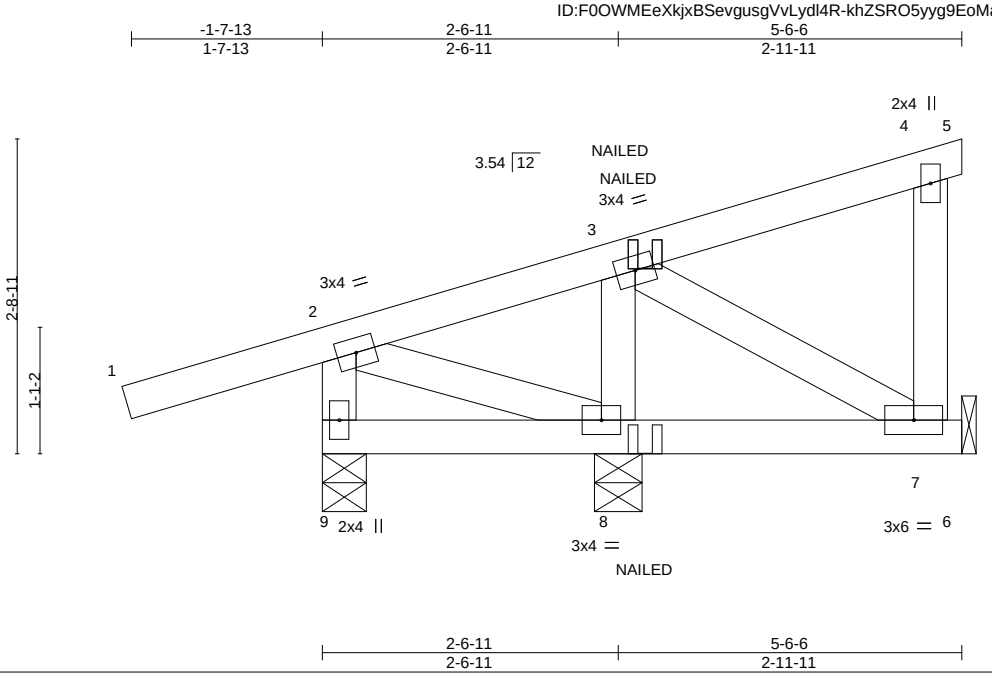

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.00	7-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	8	****	240	Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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

REACTIONS. (size) 9=0-4-9, 8=0-4-15, 7=Mechanical
Max Horz 9=99(LC 5)
Max Uplift 9=-96(LC 8), 8=-2(LC 8), 7=-20(LC 8)
Max Grav 9=291(LC 1), 8=222(LC 1), 7=130(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-274/107

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 8, 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-76, 2-4=-76, 4-5=-36, 6-9=-20
Concentrated Loads (lb)
Vert: 8=2(F)

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Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CG3	DIAGONAL HIP GIRDER	1	1	R73666324
					Job Reference (optional)

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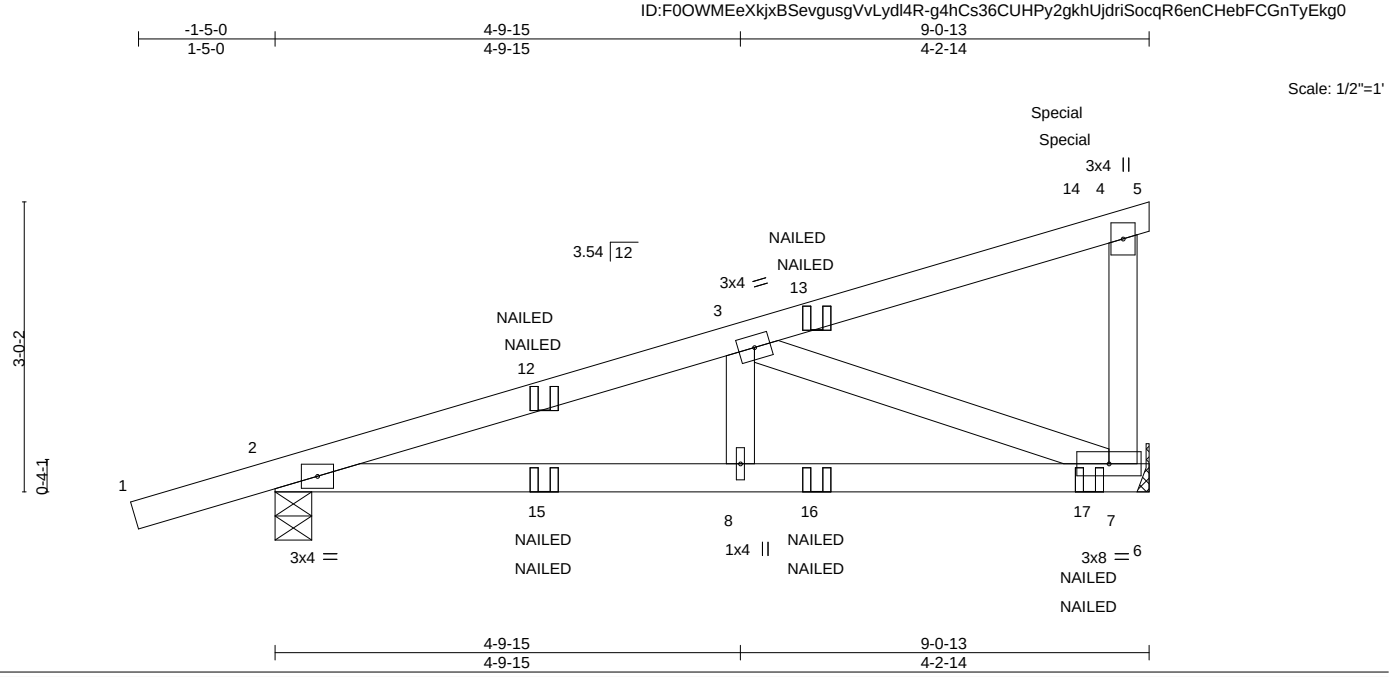

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.02	8-11	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.04	8-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	8-11	>999	240	Weight: 32 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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. (size) 2=0-4-9, 7=Mechanical
Max Horz 2=110(LC 22)
Max Uplift 2=-90(LC 8), 7=-67(LC 5)
Max Grav 2=580(LC 1), 7=776(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-905/50, 4-7=-326/119
BOT CHORD 2-8=-63/844, 7-8=-63/844
WEBS 3-7=-851/67

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 108 lb down and 91 lb up at 8-5-6, and 108 lb down and 91 lb up at 8-5-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-76, 4-5=-36, 6-9=-20
Concentrated Loads (lb)
Vert: 13=-19(F=-10, B=-10) 14=-207(F=-104, B=-104) 15=-3(F=-1, B=-1) 16=-45(F=-22, B=-22) 17=-111(F=-56, B=-56)

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Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CJ1	Jack-Open	2	1	R73666325
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:43 2022 Page 1
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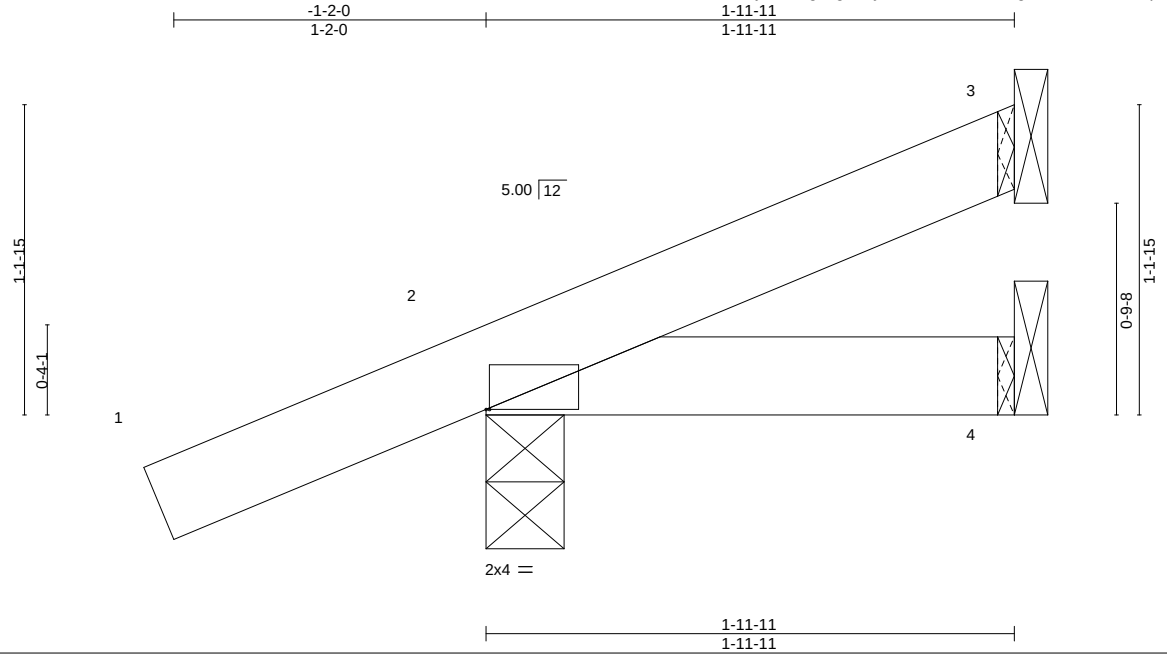

Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	-0.00	7	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	-0.00	7	>999	240	Weight: 6 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=51(LC 12)
Max Uplift 3=-9(LC 12), 2=-63(LC 12)
Max Grav 3=43(LC 1), 2=195(LC 1), 4=32(LC 3)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) 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=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CJ1A	Jack-Open	1	1	R73666326
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:44 2022 Page 1
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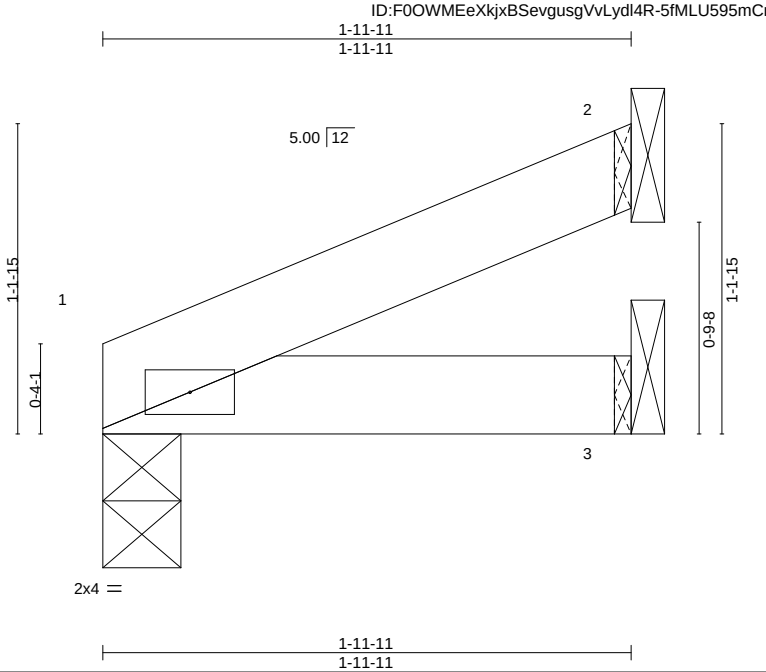

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	-0.00	6	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	6	>999	240	Weight: 5 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 1=26(LC 12)
Max Uplift 1=-2(LC 12), 2=-16(LC 12)
Max Grav 1=86(LC 1), 2=55(LC 1), 3=39(LC 3)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) 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=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CJ1E	Jack-Open	2	1	R73666327
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:46 2022 Page 1
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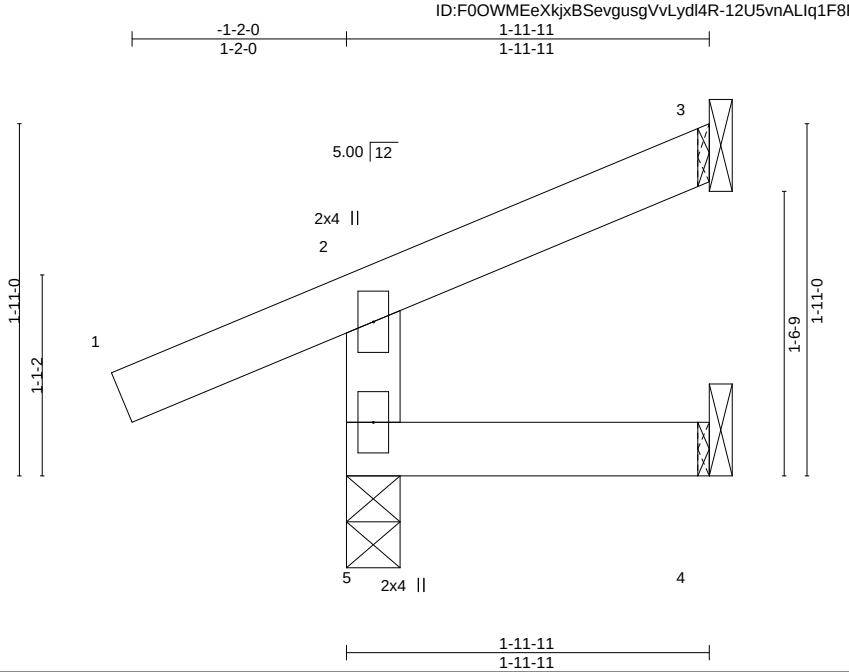

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.00	5	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MR		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=73(LC 12)
Max Uplift 5=-46(LC 12), 3=-18(LC 12)
Max Grav 5=208(LC 1), 3=35(LC 17), 4=31(LC 3)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) 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=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CJ1EL	Jack-Open	1	1	R73666328
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:47 2022 Page 1
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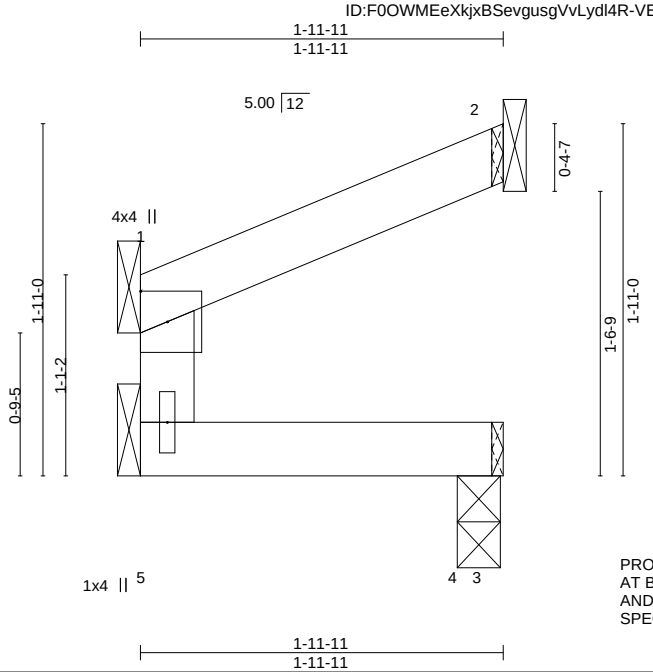

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PROVIDE ANCHORAGE, DESIGNED BY OTHERS, AT BEARINGS TO RESIST MAX. UPLIFT AND MAX HORZ. REACTIONS SPECIFIED BELOW.

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	-0.00	5	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MR		Wind(LL)	-0.00	5	>999	240	Weight: 6 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings Mechanical except (jt=length) 4=0-2-13.
(lb) - Max Horz 5=34(LC 19), 1=-42(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 2, 1
Max Grav All reactions 250 lb or less at joint(s) 5, 2, 1, 4

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) 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=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 1.
7) Non Standard bearing condition. Review required.
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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CJ1ER	Jack-Open	1	1	R73666329
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:48 2022 Page 1
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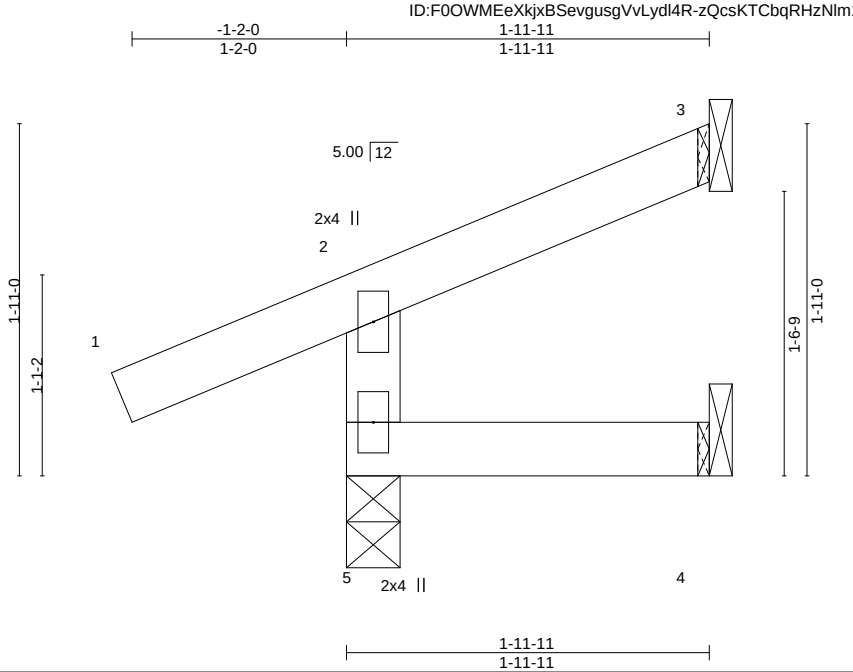

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.00	5	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MR		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-11-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=73(LC 12)
Max Uplift 5=-46(LC 12), 3=-18(LC 12)
Max Grav 5=208(LC 1), 3=35(LC 17), 4=31(LC 3)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) 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=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CJ2	Jack-Open	2	1	R73666330
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:50 2022 Page 1
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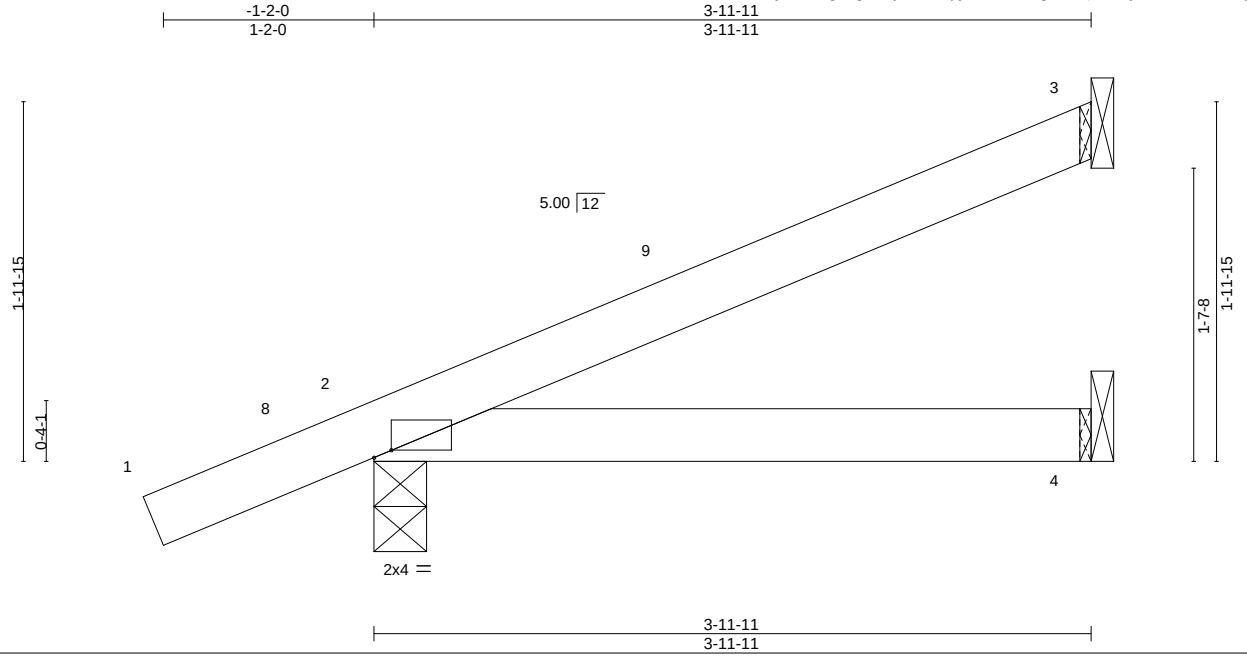

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	4-7	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.02	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	0.01	4-7	>999	240	Weight: 11 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=77(LC 12)
Max Uplift 3=-33(LC 12), 2=-57(LC 12)
Max Grav 3=109(LC 1), 2=268(LC 1), 4=74(LC 3)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 3-10-15 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CJ2A	Jack-Open	1	1	R73666331
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:51 2022 Page 1
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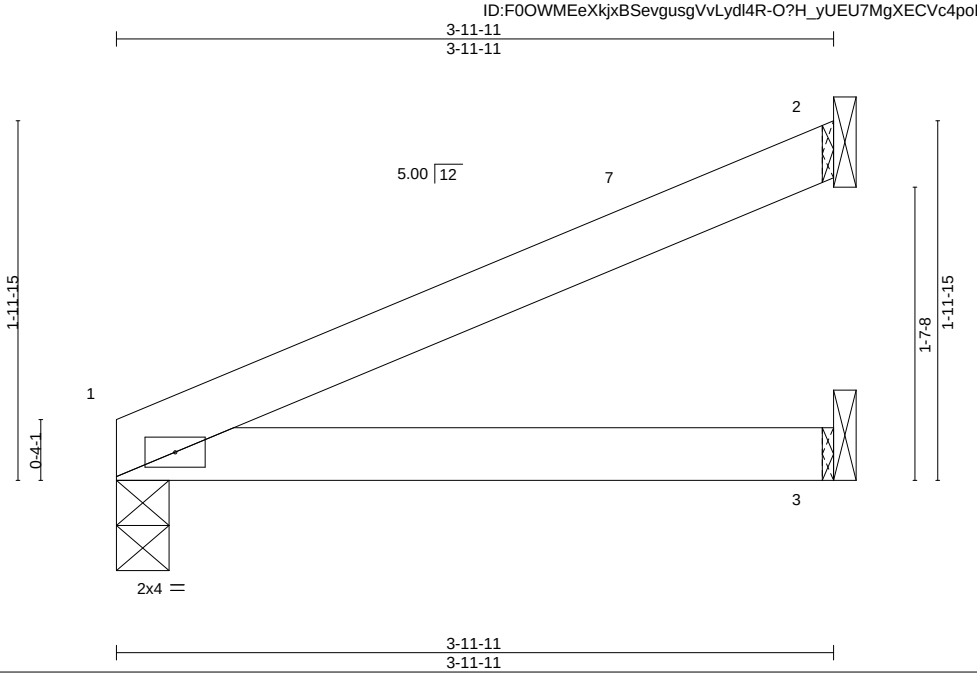

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	3-6	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.03	3-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.02	3-6	>999	240	Weight: 10 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 1=52(LC 12)
Max Uplift 1=-4(LC 12), 2=-37(LC 12)
Max Grav 1=172(LC 1), 2=115(LC 1), 3=78(LC 3)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 3-10-15 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2.
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.

EXPIRES: 12/31/2024
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	CJ3	Jack-Open	1	1	R73666332
					Job Reference (optional)

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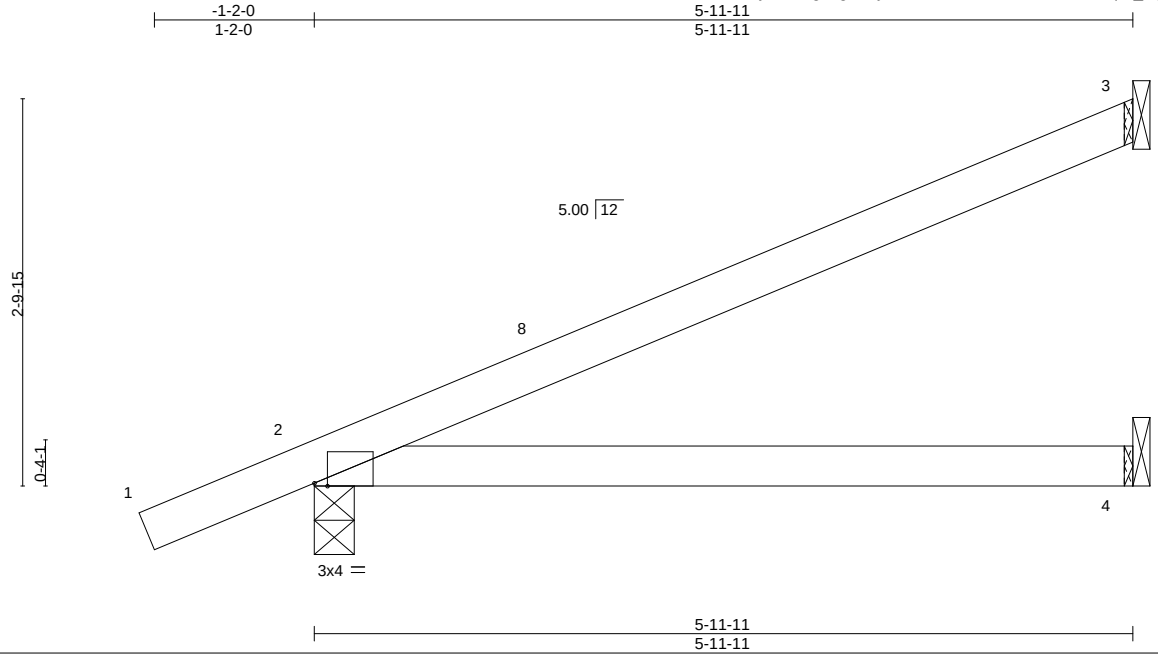

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.04	4-7	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.12	4-7	>588	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.06	4-7	>999	240	Weight: 16 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=104(LC 12)
Max Uplift 3=-55(LC 12), 2=-57(LC 12)
Max Grav 3=175(LC 1), 2=352(LC 1), 4=112(LC 3)

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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 5-10-15 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	D1E	GABLE	1	1	R73666333
					Job Reference (optional)

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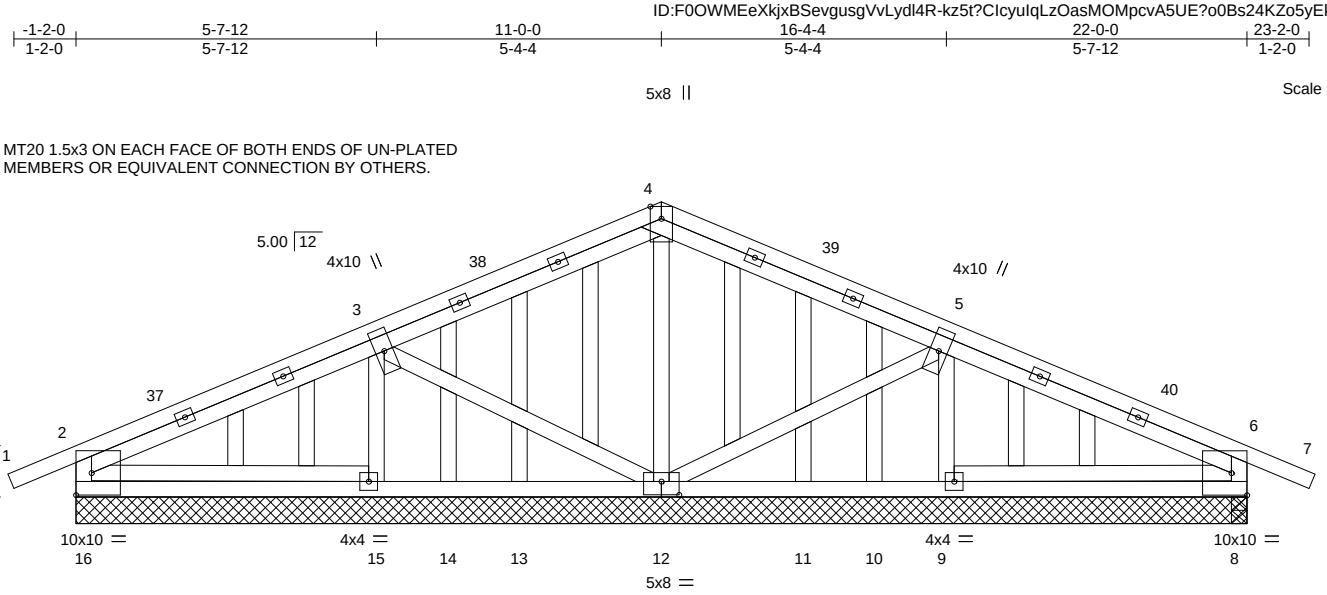

Plate Offsets (X,Y)-- [12:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.02	8-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.04	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.00	15-16	>999	240	Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
OTHERS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 13-14,10-11.

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 16=-92(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 12, 14, 10 except 16=-252(LC 35), 15=-159(LC 35), 9=-157(LC 36), 8=-250(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 13, 11 except 16=376(LC 44), 15=479(LC 47), 12=411(LC 1), 9=489(LC 48), 8=377(LC 33), 8=341(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-461/377, 3-4=-360/329, 4-5=-350/329, 5-6=-455/374, 2-16=-369/275, 6-8=-337/318
BOT CHORD 15-16=-196/324, 12-13=-174/276, 8-9=-166/288
WEBS 3-15=-427/300, 3-12=-266/267, 4-12=-296/81, 5-12=-271/257, 5-9=-431/292, 2-15=-293/274, 6-9=-287/259

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 10-10-1, Exterior(2R) 10-10-1 to 13-10-1, Interior(1) 13-10-1 to 23-2-11 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) 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.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 14, 10 except (jt=lb) 16=252, 15=159, 9=157, 8=250.
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.
10) This truss has been designed for a total drag load of 1000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 22-0-0 for 45.5 plf.

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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	D1G	Hip Girder	1	2	R73666334
					Job Reference (optional)

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-1-2-0	6-1-8	8-0-0	11-0-0	14-0-0	15-10-8	22-0-0	23-2-0
1-2-0	6-1-8	1-10-8	3-0-0	3-0-0	1-10-8	6-1-8	1-2-0

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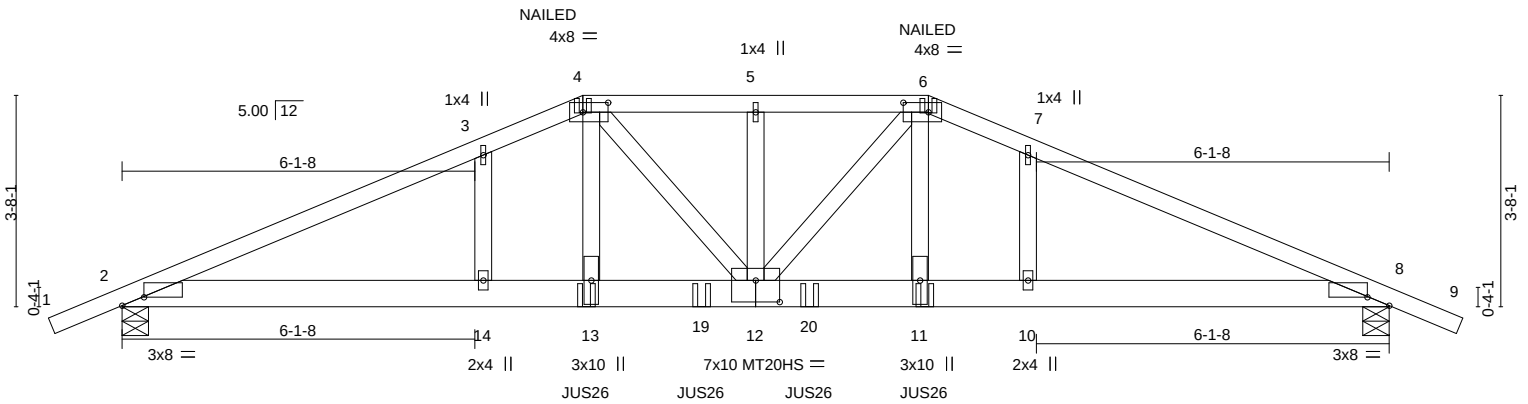

6-1-8	8-0-0	11-0-0	14-0-0	15-10-8	22-0-0
6-1-8	1-10-8	3-0-0	3-0-0	1-10-8	6-1-8

Plate Offsets (X,Y)-- [2:0-4-9,0-1-12], [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [8:0-4-9,0-1-12], [12:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.09	14-16	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.26	14-16	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.11	14-16	>999	240	Weight: 187 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=-55(LC 6)
Max Uplift 2=-371(LC 8), 8=-371(LC 8)
Max Grav 2=2485(LC 1), 8=2485(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5326/745, 3-4=-5243/787, 4-5=-4778/724, 5-6=-4778/724, 6-7=-5243/787, 7-8=-5326/745
BOT CHORD 2-14=-603/4859, 13-14=-603/4859, 12-13=-616/4941, 11-12=-616/4941, 10-11=-603/4859, 8-10=-603/4859
WEBS 4-13=-286/1843, 4-12=-294/36, 6-12=-294/36, 6-11=-286/1843

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=371, 8=371.
10) 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.
11) 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 8-0-12 from the left end to 13-11-4 to connect truss(es) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.

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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 6-0-12, and 777 lb down and 137 lb up at 15-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 4-6=-68, 6-9=-68, 2-8=-20
   Concentrated Loads (lb)
   Vert: 4=-19(B) 6=-19(B) 13=-319(B) 11=-319(B) 14=-777 10=-777 19=-319(B) 20=-319(B)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	D2	Common	4	1	R73666335
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:01 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-5wum2vMlmRw7RkGXfw_XWgd37VwNT9kbBM2KUJyEkfi

-1-2-0	5-7-12	11-0-0	16-4-4	22-0-0	23-2-0
1-2-0	5-7-12	5-4-4	5-4-4	5-7-12	1-2-0

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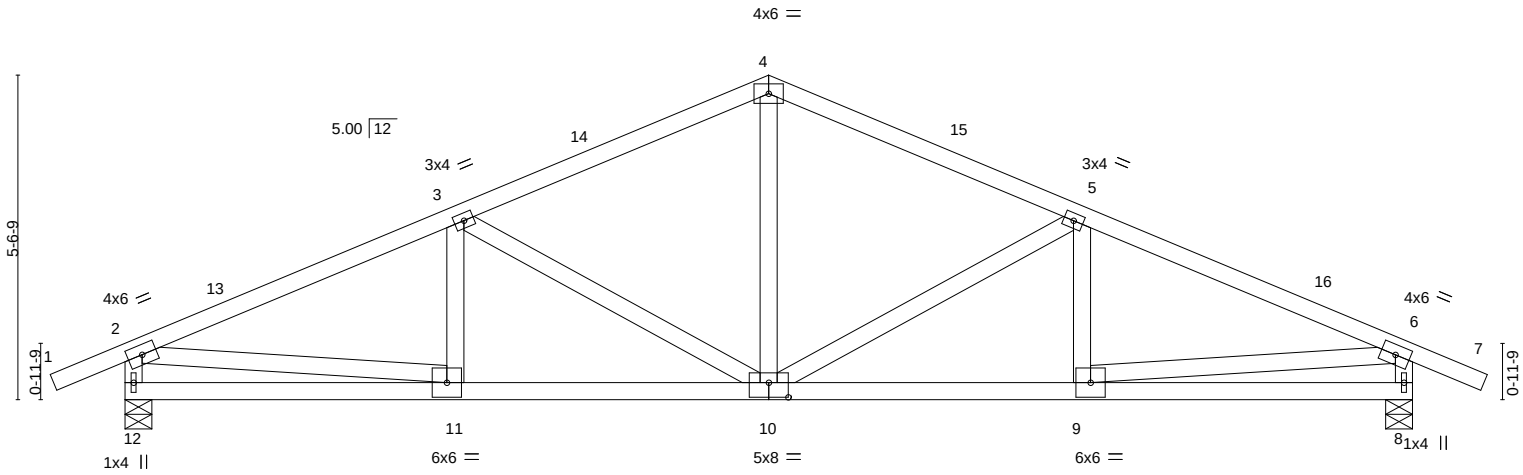

5-7-12	11-0-0	16-4-4	22-0-0
5-7-12	5-4-4	5-4-4	5-7-12

Plate Offsets (X,Y)-- [5:0-0-0,0-0-0], [6:0-0-0,0-0-0], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.04	8-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.11	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.04	10	>999	240	Weight: 94 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 12=0-5-8, 8=0-5-8
Max Horz 12=-73(LC 10)
Max Uplift 12=-138(LC 12), 8=-138(LC 12)
Max Grav 12=1048(LC 1), 8=1048(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1533/269, 3-4=-1166/265, 4-5=-1166/265, 5-6=-1534/269
BOT CHORD 10-11=-168/1357, 9-10=-181/1357
WEBS 3-10=-435/120, 4-10=-51/547, 5-10=-436/120, 2-12=-1001/262, 6-8=-1001/262, 2-11=-183/1368, 6-9=-183/1369

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 23-2-11 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) except (jt=lb) 12=138, 8=138.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	D2C	Hip	1	1	R73666336
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:02 2022 Page 1
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5-3-2	9-10-8	12-1-8	16-8-14	22-0-0
5-3-2	4-7-6	2-3-0	4-7-6	5-3-2

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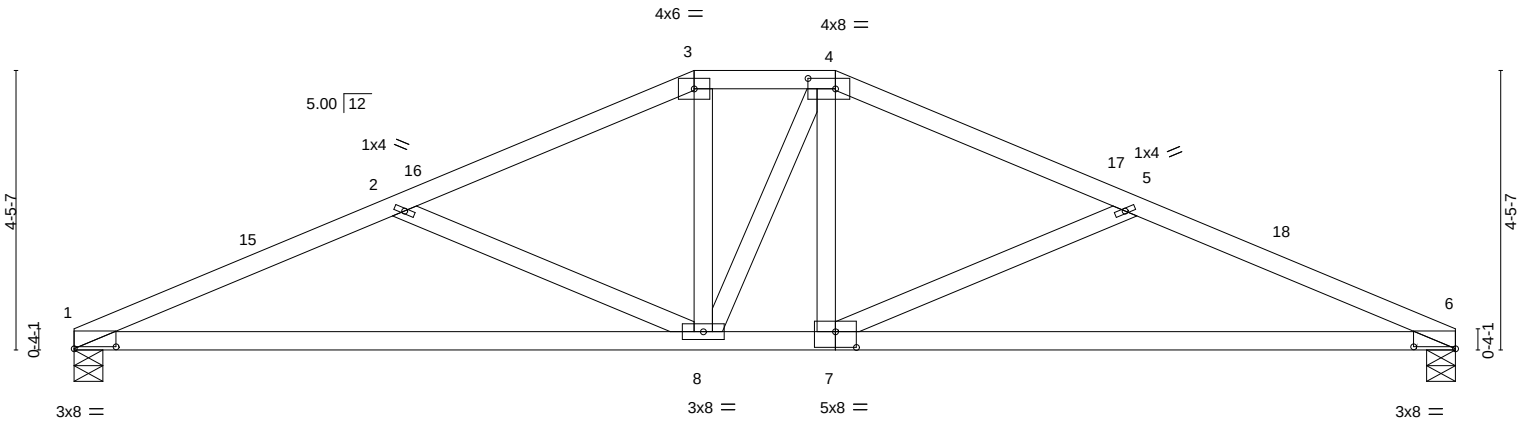

9-10-8	12-1-8	22-0-0
9-10-8	2-3-0	9-10-8

Plate Offsets (X,Y)-- [1:0-8-0,0-0-6], [4:0-5-4,0-2-0], [6:0-8-0,0-0-6], [7:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.19	8-11	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.43	8-11	>608	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.06	7-14	>999	240	Weight: 78 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-5-8, 6=0-5-8
Max Horz 1=59(LC 11)
Max Uplift 1=-89(LC 12), 6=-89(LC 12)
Max Grav 1=968(LC 1), 6=968(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1951/329, 2-3=-1485/236, 3-4=-1315/247, 4-5=-1494/237, 5-6=-1952/329
BOT CHORD 1-8=-258/1782, 7-8=-101/1311, 6-7=-253/1783
WEBS 2-8=-523/168, 3-8=-16/379, 4-7=-1/374, 5-7=-518/167

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-10-8, Exterior(2E) 9-10-8 to 12-1-8, Exterior(2R) 12-1-8 to 16-4-7, Interior(1) 16-4-7 to 22-0-0 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
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	E1G	ROOF SPECIAL GIRDER	1	1	R73666337
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:04 2022 Page 1
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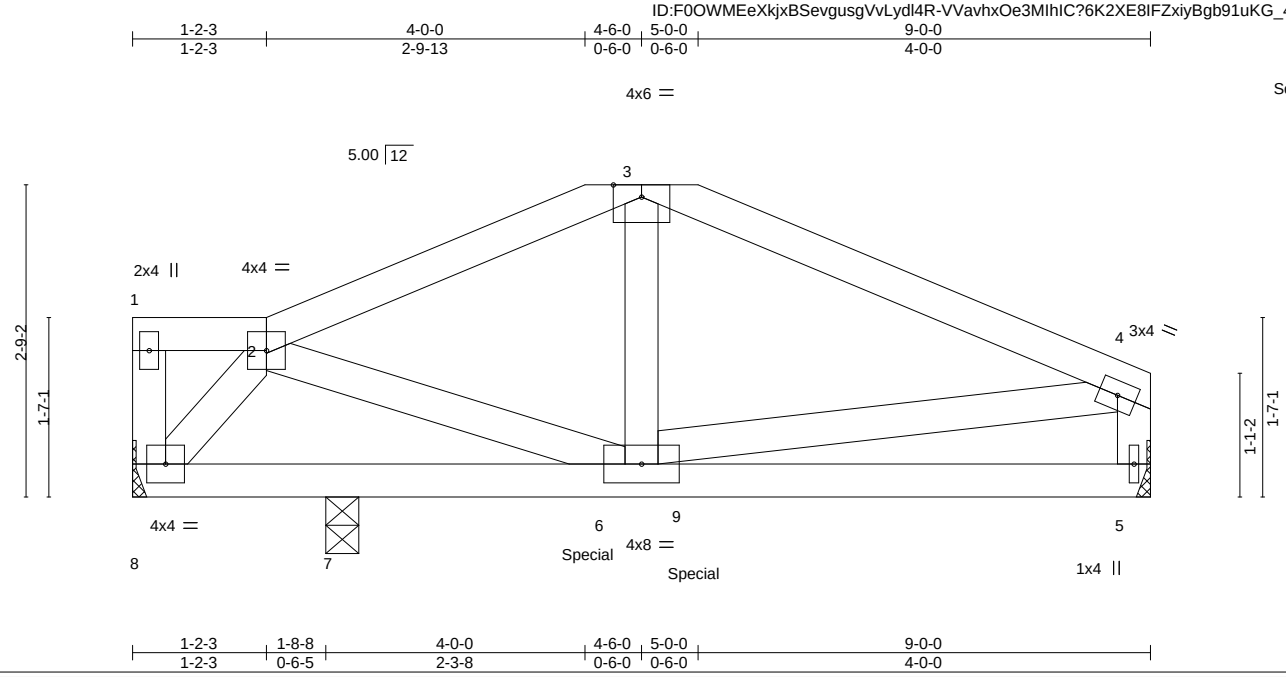

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.02	5-6	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.05	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.02	5-6	>999	240	Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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. (size) 8=Mechanical, 5=Mechanical, 7=0-3-8
Max Horz 8=-59(LC 25)
Max Uplift 8=-133(LC 8), 5=-122(LC 8), 7=-12(LC 27)
Max Grav 8=593(LC 1), 5=611(LC 1), 7=53(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-810/204, 3-4=-794/192
BOT CHORD 7-8=-108/438, 6-7=-108/438
WEBS 2-6=-64/326, 3-6=-115/318, 2-8=-701/169, 4-6=-147/710, 4-5=-552/138

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=133, 5=122.
9) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7. This connection is for uplift only and does not consider lateral forces.
10) 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.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 225 lb down and 99 lb up at 4-0-0, and 225 lb down and 99 lb up at 4-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-68, 2-3=-68, 3-4=-68, 5-8=-20

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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 6=-225(F) 9=-225(F)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	E2	ROOF SPECIAL	1	1	R73666338
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:06 2022 Page 1
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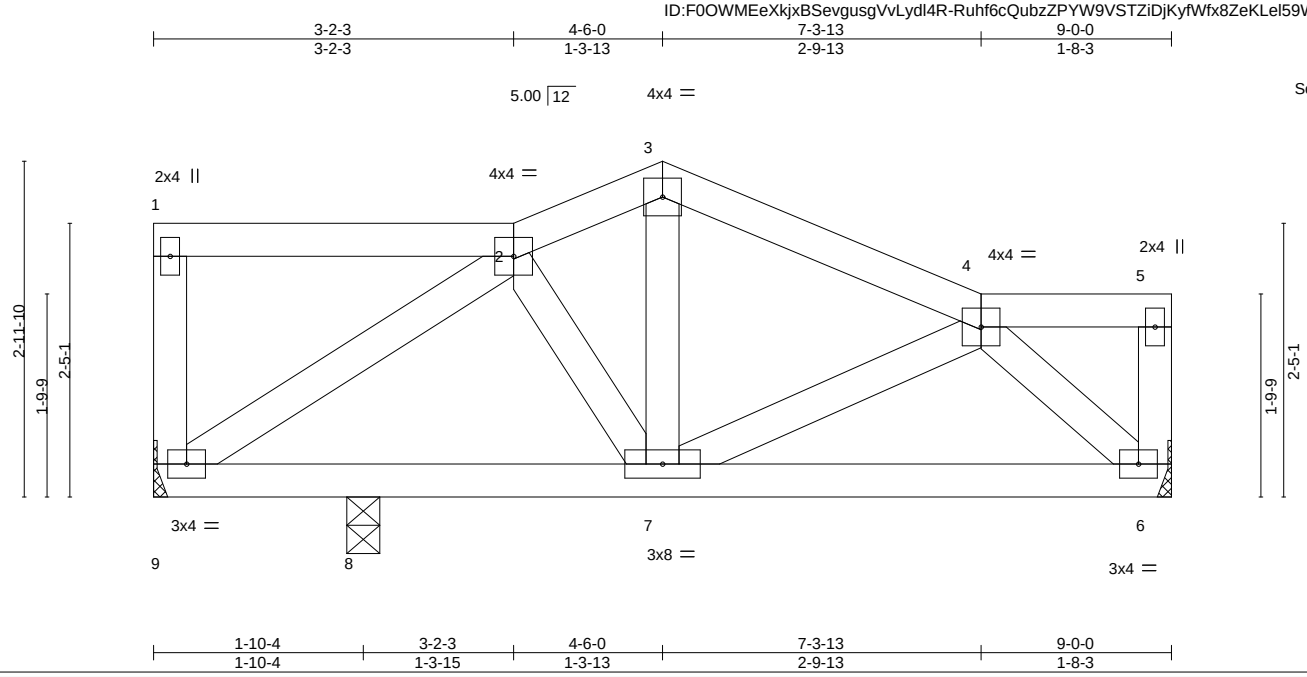

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.01	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.03	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.00	7	>999	240	Weight: 40 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 9=Mechanical, 6=Mechanical, 8=0-3-8
Max Horz 9=-86(LC 10)
Max Uplift 9=-70(LC 8), 6=-39(LC 9)
Max Grav 9=342(LC 1), 6=373(LC 1), 8=81(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-343/161, 3-4=-359/152
BOT CHORD 8-9=-185/346, 7-8=-185/346, 6-7=-161/289
WEBS 2-9=-403/211, 4-6=-404/200

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-2-3, Interior(1) 3-2-3 to 4-6-0, Exterior(2E) 4-6-0 to 7-3-13, Interior(1) 7-3-13 to 8-10-4 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
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.
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.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	E3	ROOF SPECIAL	1	1	R73666339
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:08 2022 Page 1
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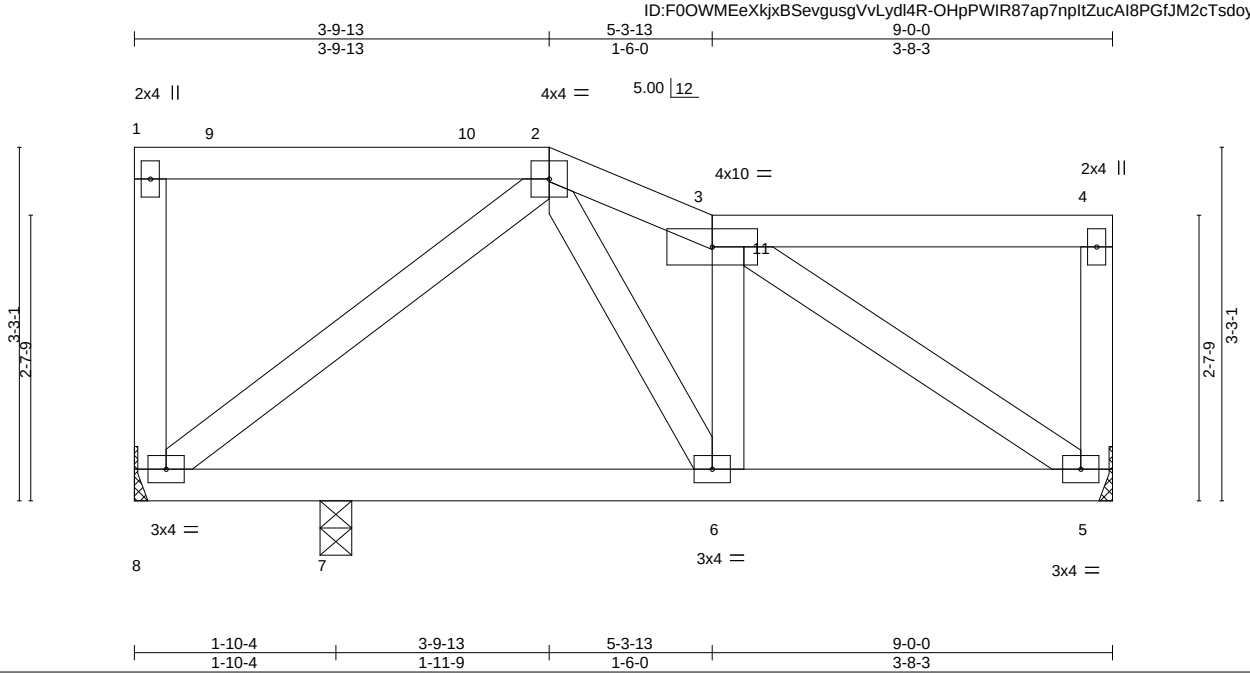

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.00	5-6	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.01	6	>999	240	Weight: 42 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 5=Mechanical, 7=0-3-8
Max Horz 8=-109(LC 10)
Max Uplift 8=-110(LC 8), 5=-81(LC 9)
Max Grav 8=324(LC 1), 5=369(LC 1), 7=130(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-380/174
BOT CHORD 7-8=-190/294, 6-7=-190/294, 5-6=-194/362
WEBS 3-5=-396/198, 2-8=-329/205

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-9-13, Exterior(2E) 3-9-13 to 5-3-13, Interior(1) 5-3-13 to 8-10-4 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
2) Provide adequate drainage to prevent water ponding.
3) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 8=110.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	F1E	GABLE	1	1	R73666340
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:14 2022 Page 1
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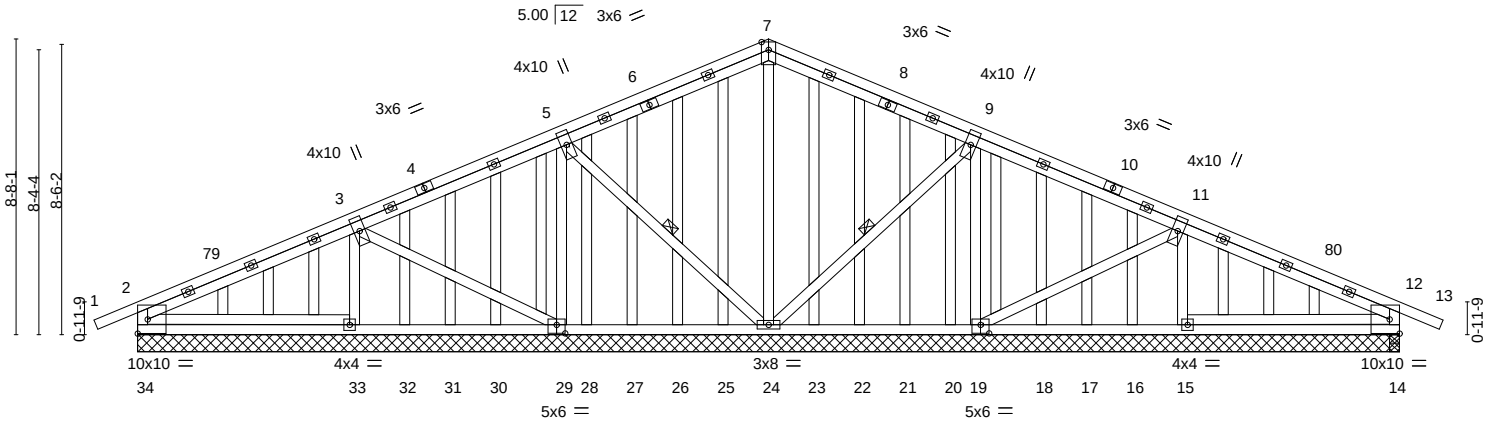
1-2-0	6-4-5	12-5-3	18-6-0	24-6-13	30-7-11	37-0-0	38-2-0
1-2-0	6-4-5	6-0-13	6-0-13	6-0-13	6-0-13	6-4-5	1-2-0

Scale = 1:67.6

5x8 ||

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



6-4-5	12-5-3	18-6-0	24-6-13	30-7-11	37-0-0
6-4-5	6-0-13	6-0-13	6-0-13	6-0-13	6-4-5

Plate Offsets (X,Y)-- [19:0-3-0,0-3-0], [29:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.03	33-34	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.07	33-34	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.00	33-34	>999	240	Weight: 318 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std
OTHERS	2x4 HF/SPF Stud/Std

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 9-24, 5-24

REACTIONS. All bearings 37-0-0.
(lb) - Max Horz 34=-164(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 32, 16 except 34=-218(LC 35), 29=-127(LC 35), 24=-115(LC 36), 19=-127(LC 36), 15=-156(LC 36), 33=-156(LC 35), 14=-217(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 25, 26, 27, 28, 30, 31, 23, 22, 21, 20, 18, 17 except 34=390(LC 47), 29=389(LC 47), 24=551(LC 1), 19=389(LC 48), 15=534(LC 48), 33=534(LC 47), 14=390(LC 48), 14=389(LC 1)

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

TOP CHORD	2-3=-441/306, 3-5=-393/331, 5-7=-270/277, 7-9=-269/285, 9-11=-384/334, 11-12=-414/305, 2-34=-355/246, 12-14=-327/283
BOT CHORD	33-34=-143/356, 14-15=-106/270
WEBS	7-24=-380/56, 9-19=-362/209, 11-19=-251/237, 11-15=-439/265, 5-29=-363/220, 3-29=-250/238, 3-33=-437/259, 2-33=-276/225, 12-15=-260/212

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-5-12, Interior(1) 2-5-12 to 18-6-0, Exterior(2R) 18-6-0 to 22-2-6, Interior(1) 22-2-6 to 38-2-11 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) 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.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 32, 16 except (jt=lb) 34=218, 29=127, 24=115, 19=127, 15=156, 33=156, 14=217.
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.
10) This truss has been designed for a total drag load of 1000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 37-0-0 for 27.0 plf.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	F1EB	GABLE	1	1	R73666341
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:21 2022 Page 1
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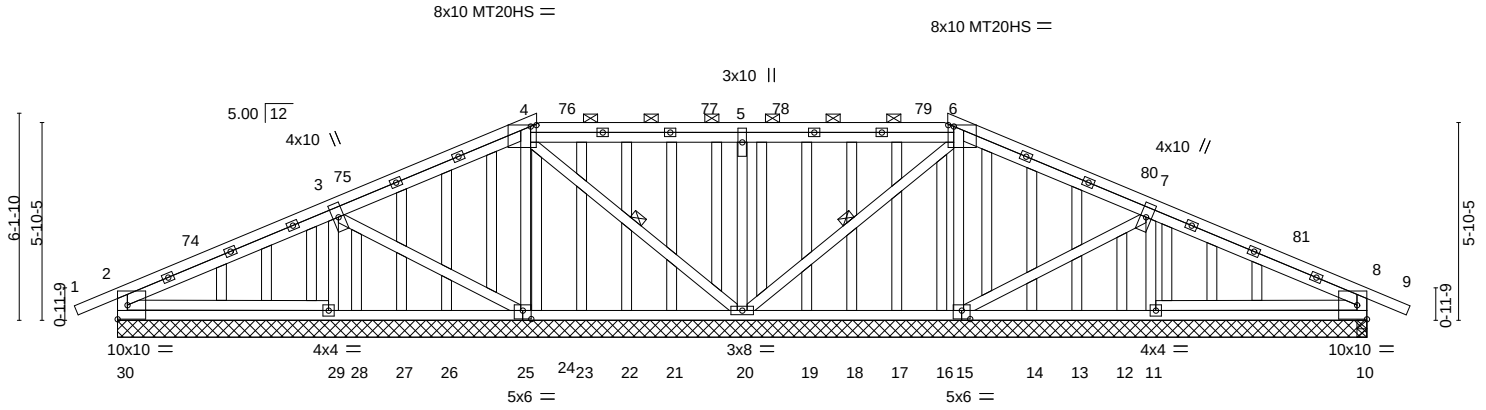
1-2-0	6-4-12	12-2-13	12-6-0	18-6-0	24-6-0	24-9-3	30-7-4	37-0-0	38-2-0
1-2-0	6-4-12	5-10-1	0-3-3	6-0-0	6-0-0	0-3-3	5-10-1	6-4-12	1-2-0

Scale = 1:68.2

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



6-4-12	12-2-13	12-6-0	18-6-0	24-6-0	24-9-3	30-7-4	37-0-0
6-4-12	5-10-1	0-3-3	6-0-0	6-0-0	0-3-3	5-10-1	6-4-12

Plate Offsets (X,Y)-- [4:0-2-0,0-0-8], [6:0-2-0,0-0-8], [15:0-3-0,0-3-0], [25:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.03	10-11	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	10-11	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.00	29-30	>999	240	Weight: 306 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
OTHERS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-20, 6-20

REACTIONS. All bearings 37-0-0.
(lb) - Max Horz 30=-118(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 25, 15, 24 except 30=-214(LC 35), 29=-119(LC 35), 20=-172(LC 35), 11=-135(LC 36), 10=-213(LC 36), 28=-241(LC 3), 12=-188(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 26, 27, 23, 22, 21, 19, 18, 17, 16, 14, 13 except 30=378(LC 47), 29=606(LC 3), 20=674(LC 1), 11=565(LC 48), 10=379(LC 48), 10=377(LC 1), 25=365(LC 1), 15=357(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-397/298, 3-4=-334/315, 4-5=-173/262, 5-6=-172/261, 6-7=-333/314, 7-8=-391/297, 2-30=-344/242, 8-10=-316/278
BOT CHORD 29-30=-135/315, 10-11=-109/266
WEBS 3-29=-428/280, 5-20=-487/161, 7-11=-430/264, 2-29=-259/206, 8-11=-252/198, 4-25=-276/123, 6-15=-276/126, 3-25=-265/236, 7-15=-265/227

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-5-12, Interior(1) 2-5-12 to 12-2-9, Exterior(2R) 12-2-9 to 17-5-6, Interior(1) 17-5-6 to 24-9-7, Exterior(2R) 24-9-7 to 30-0-4, Interior(1) 30-0-4 to 38-2-11 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) 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.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 3x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 15, 24 except (jt=lb) 30=214, 29=119, 20=172, 11=135, 10=213, 28=241, 12=188.
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) This truss has been designed for a total drag load of 1000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 37-0-0 for 27.0 plf.

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NOTES-

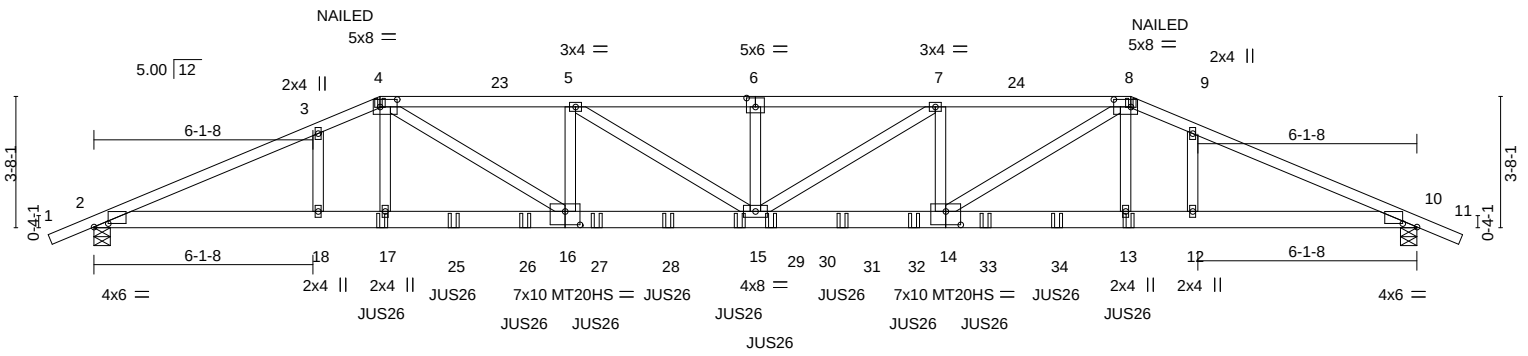
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	F1G	HIP GIRDER	1	3	R73666342
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:26 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-skvDISfRt64axagLdgwO1x9JmaOMqUaGxlb9sMyEkfJ

1-2-0	6-1-8	8-0-0	13-3-14	18-6-0	23-8-2	29-0-0	30-10-8	37-0-0	38-2-0
1-2-0	6-1-8	1-10-8	5-3-14	5-2-2	5-2-2	5-3-14	1-10-8	6-1-8	1-2-0

Scale: 3/16"=1'



6-1-8	8-0-0	13-3-14	18-6-0	23-8-2	29-0-0	30-10-8	37-0-0
6-1-8	1-10-8	5-3-14	5-2-2	5-2-2	5-3-14	1-10-8	6-1-8

Plate Offsets (X,Y)-- [2:0-4-12,0-1-2], [4:0-5-12,0-2-8], [6:0-3-0,0-3-0], [8:0-5-12,0-2-8], [10:0-4-12,0-1-3], [14:0-5-0,0-4-8], [16:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.26	15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.69	15	>645	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.29	15	>999	240	Weight: 486 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 2=0-5-8, 10=0-5-8
Max Horz 2=-68(LC 25)
Max Uplift 2=-679(LC 8), 10=-679(LC 8)
Max Grav 2=4421(LC 1), 10=4421(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-10389/1550, 3-4=-10311/1591, 4-5=-12493/1951, 5-6=-13757/2154, 6-7=-13757/2154, 7-8=-12493/1951, 8-9=-10311/1591, 9-10=-10389/1550
BOT CHORD 2-18=-1347/9533, 17-18=-1347/9533, 16-17=-1358/9611, 15-16=-1830/12542, 14-15=-1830/12542, 13-14=-1358/9611, 12-13=-1347/9533, 10-12=-1347/9533
WEBS 4-17=-258/1765, 4-16=-547/3528, 5-16=-1141/232, 5-15=-233/1468, 6-15=-344/100, 7-15=-233/1468, 7-14=-1141/232, 8-14=-547/3528, 8-13=-258/1765

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=679, 10=679.
10) 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.
11) 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 8-0-12 from the left end to 28-11-4 to connect truss(es) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or other members.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.

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Roseville, CA 95661

NOTES-

14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 6-0-12, and 777 lb down and 137 lb up at 30-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

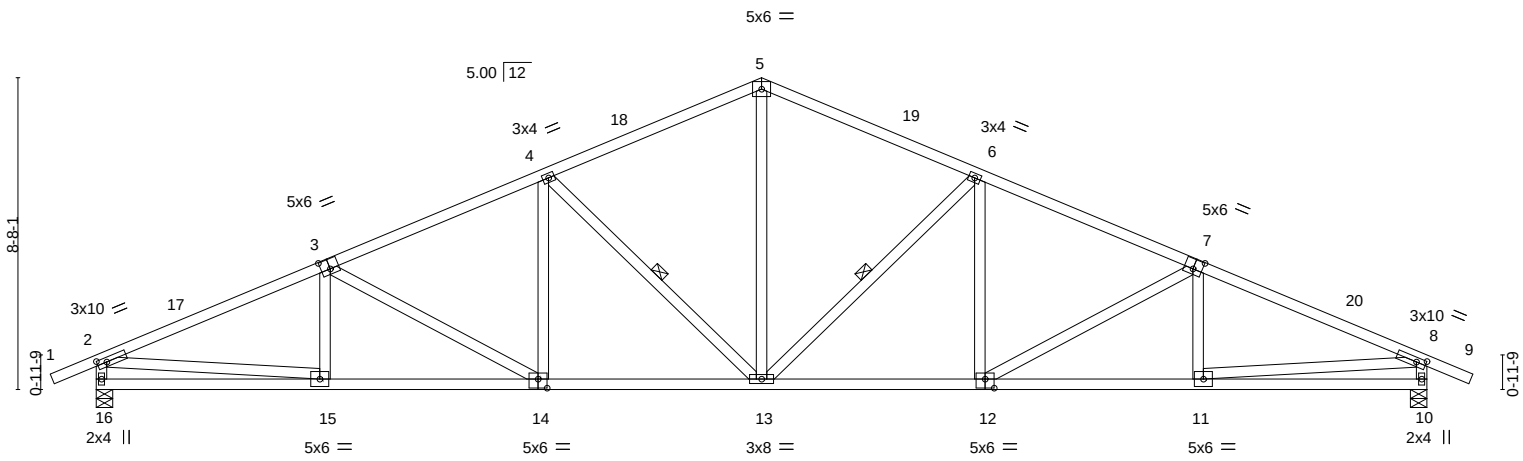
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 4-8=-68, 8-11=-68, 2-10=-20
   Concentrated Loads (lb)
   Vert: 4=-19(B) 8=-19(B) 17=-319(B) 13=-319(B) 18=-777 12=-777 25=-319(B) 26=-319(B) 27=-319(B) 28=-319(B) 29=-319(B) 30=-319(B) 31=-319(B) 32=-319(B) 33=-319(B) 34=-319(B)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	F2	Common	4	1	R73666343
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:29 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-GJaMwUiJA1S8o2PwIoU5fanoAnQO1r3jdjqpThyEkfG

1-2-0	6-4-5	12-5-3	18-6-0	24-6-13	30-7-11	37-0-0	38-2-0
1-2-0	6-4-5	6-0-13	6-0-13	6-0-13	6-0-13	6-4-5	1-2-0

Scale: 3/16"=1'



6-4-5	12-5-3	18-6-0	24-6-13	30-7-11	37-0-0
6-4-5	6-0-13	6-0-13	6-0-13	6-0-13	6-4-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.11	13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.33	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.11	13	>999	240	Weight: 169 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
2-15,8-11: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-13, 4-13

REACTIONS. (size) 16=0-5-8, 10=0-5-8
Max Horz 16=-145(LC 10)
Max Uplift 16=-198(LC 12), 10=-198(LC 12)
Max Grav 16=1708(LC 1), 10=1708(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2865/330, 3-4=-2570/359, 4-5=-2023/353, 5-6=-2023/353, 6-7=-2570/359, 7-8=-2865/330
BOT CHORD 14-15=-226/2582, 13-14=-167/2291, 12-13=-176/2291, 11-12=-234/2582
WEBS 5-13=-103/1092, 6-13=-720/142, 6-12=0/374, 7-12=-362/75, 4-13=-720/142, 4-14=0/374, 3-14=-362/75, 2-16=-1654/290, 8-10=-1654/290, 2-15=-233/2595, 8-11=-233/2595

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-5-12, Interior(1) 2-5-12 to 18-6-0, Exterior(2R) 18-6-0 to 22-2-6, Interior(1) 22-2-6 to 38-2-11 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) except (jt=lb) 16=198, 10=198.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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400 Sunrise Avenue, Suite 270
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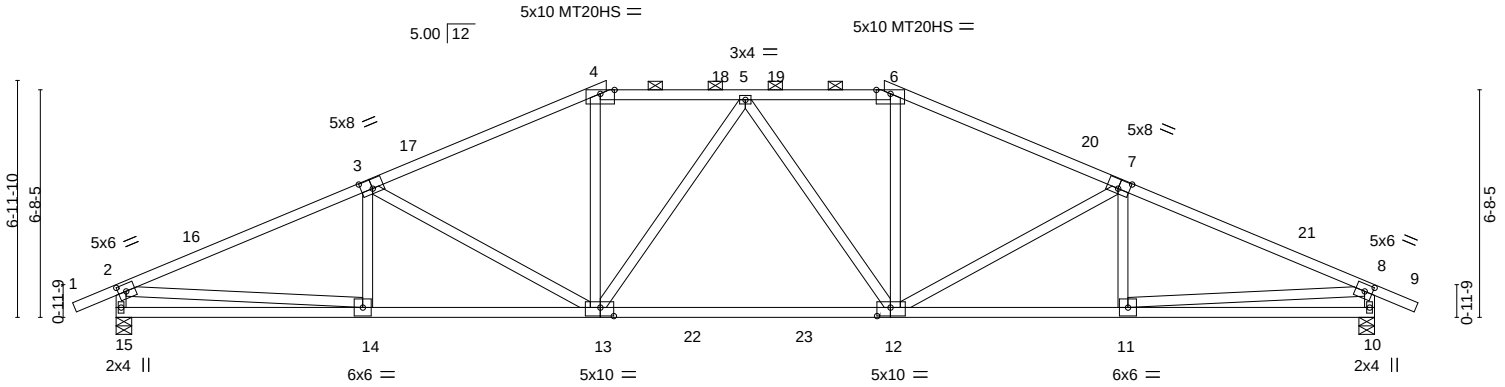
Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	F2B	HIP	1	1	R73666344
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:31 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-Dii6LAjZifis2MZIQDWZk?s6Lb3YVkA051JwXayEkfE

1-2-0	7-4-12	14-2-13	14-6-0	18-6-0	22-6-0	22-9-3	29-7-4	37-0-0	38-2-0
1-2-0	7-4-12	6-10-1	0-3-3	4-0-0	4-0-0	0-3-3	6-10-1	7-4-12	1-2-0

Scale = 1:67.7



7-4-12	14-2-13	14-6-0	22-6-0	22-9-3	29-7-4	37-0-0
7-4-12	6-10-1	0-3-3	8-0-0	0-3-3	6-10-1	7-4-12

Plate Offsets (X,Y)-- [2:0-2-12,0-2-8], [3:0-4-0,0-3-4], [7:0-4-0,0-3-4], [8:0-2-12,0-2-8], [12:0-4-12,0-3-0], [13:0-4-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.28	12-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.58	12-13	>762	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.11	13	>999	240	Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
2-14,8-11: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-6-8 max.): 4-6.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 15=0-5-8, 10=0-5-8
Max Horz 15=113(LC 11)
Max Uplift 15=-198(LC 12), 10=-198(LC 12)
Max Grav 15=1884(LC 17), 10=1884(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3185/366, 3-4=-2700/366, 4-5=-2435/371, 5-6=-2435/371, 6-7=-2700/366, 7-8=-3185/366
BOT CHORD 13-14=-254/2967, 12-13=-191/2576, 11-12=-268/2883
WEBS 2-15=-1776/301, 2-14=-266/2896, 8-10=-1776/301, 8-11=-266/2896, 4-13=-27/760, 6-12=-27/760, 3-13=-583/128, 7-12=-583/128, 5-13=-350/82, 5-12=-350/82

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-5-12, Interior(1) 2-5-12 to 14-1-1, Exterior(2R) 14-1-1 to 19-3-14, Interior(1) 19-3-14 to 22-10-15, Exterior(2R) 22-10-15 to 28-1-12, Interior(1) 28-1-12 to 38-2-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=198, 10=198.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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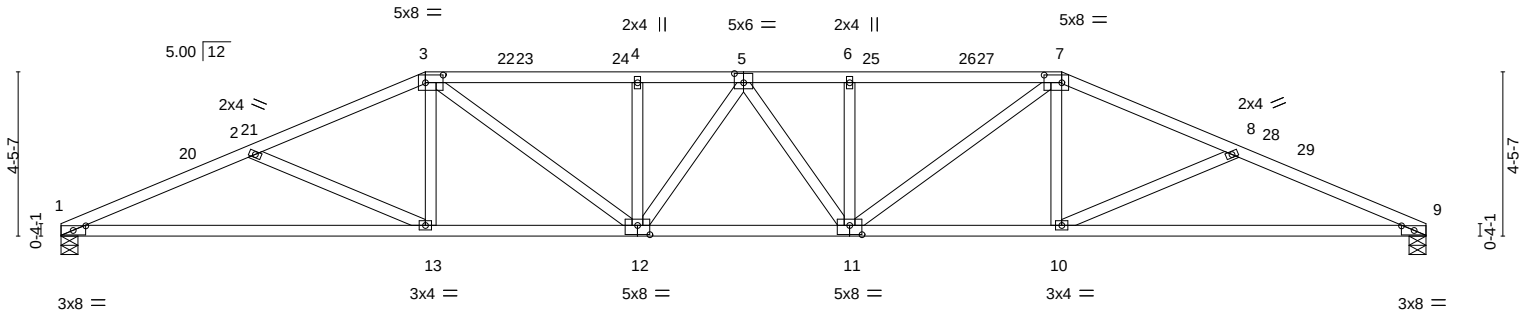
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	F2C	Hip	1	1	R73666345
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:34 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-dHOF_BIS?a4RvpIt5L4GLdUf2o3ji8pSn?Xa8uyEkfB

5-3-2	9-10-8	15-7-8	18-6-0	21-4-8	27-1-8	31-8-14	37-0-0
5-3-2	4-7-6	5-9-0	2-10-8	2-10-8	5-9-0	4-7-6	5-3-2

Scale = 1:62.5



9-10-8	15-7-8	21-4-8	27-1-8	37-0-0
9-10-8	5-9-0	5-9-0	5-9-0	9-10-8

Plate Offsets (X,Y)-- [1:0-4-2,0-1-8], [3:0-5-12,0-2-8], [5:0-3-0,0-3-0], [7:0-5-12,0-2-8], [9:0-4-2,0-1-8], [11:0-4-0,0-3-0], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.23	13-16	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.61	13-16	>732	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.17	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.21	11-12	>999	240	Weight: 143 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-5-8, 9=0-5-8
Max Horz 1=73(LC 11)
Max Uplift 1=-149(LC 12), 9=-149(LC 12)
Max Grav 1=1628(LC 1), 9=1628(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3619/492, 2-3=-3189/409, 3-4=-3572/491, 4-5=-3572/491, 5-6=-3572/491, 6-7=-3572/491, 7-8=-3189/409, 8-9=-3619/492
BOT CHORD 1-13=-407/3314, 12-13=-257/2895, 11-12=-350/3602, 10-11=-257/2895, 9-10=-402/3314
WEBS 2-13=-471/162, 3-13=0/470, 3-12=-112/916, 4-12=-358/124, 6-11=-358/124, 7-11=-112/916, 7-10=0/470, 8-10=-471/162

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-8-6, Interior(1) 3-8-6 to 9-10-8, Exterior(2R) 9-10-8 to 15-1-5, Interior(1) 15-1-5 to 27-1-8, Exterior(2R) 27-1-8 to 32-4-5, Interior(1) 32-4-5 to 37-0-0 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
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=149, 9=149.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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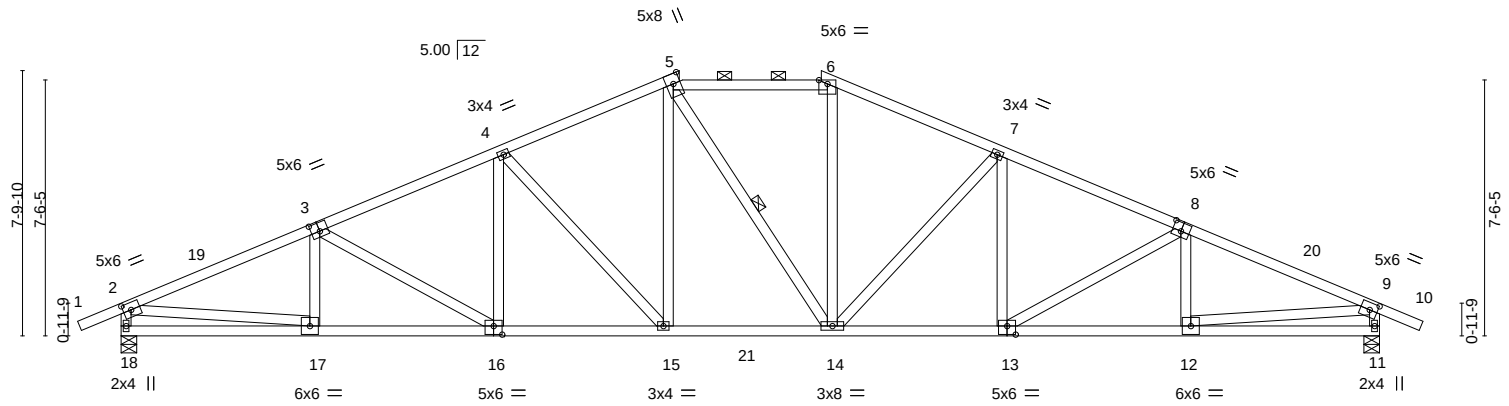
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	F3B	HIP	1	1	R73666346
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:36 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-ZfV?PtniXBL987RGCm6kR2Z0bcq6A?alEJ0hDnyEkf9

1-2-0	5-8-5	11-1-3	16-2-13	16-6-0	20-6-0	20-9-3	25-10-13	31-3-11	37-0-0	38-2-0
1-2-0	5-8-5	5-4-13	5-1-10	0-3-3	4-0-0	0-3-3	5-1-10	5-4-13	5-8-5	1-2-0

Scale = 1:67.7



5-8-5	11-1-3	16-2-13	16-6-0	20-6-0	20-9-3	25-10-13	31-3-11	37-0-0
5-8-5	5-4-13	5-1-10	0-3-3	4-0-0	0-3-3	5-1-10	5-4-13	5-8-5

Plate Offsets (X,Y)-- [2:0-2-12,0-2-8], [3:0-3-0,0-3-0], [6:0-3-0,0-1-6], [8:0-3-0,0-3-0], [9:0-2-12,0-2-8], [13:0-3-0,0-3-0], [16:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.15	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.34	14-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.10	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.11	15	>999	240	Weight: 178 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
2-17,9-12: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-8-10 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14

REACTIONS. (size) 18=0-5-8, 11=0-5-8
Max Horz 18=-127(LC 10)
Max Uplift 18=-198(LC 12), 11=-198(LC 12)
Max Grav 18=1874(LC 17), 11=1871(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3118/340, 3-4=-2906/378, 4-5=-2472/374, 5-6=-2208/371, 6-7=-2446/373, 7-8=-2899/378, 8-9=-3114/340
BOT CHORD 16-17=-241/2918, 15-16=-198/2685, 14-15=-128/2283, 13-14=-213/2610, 12-13=-256/2819
WEBS 3-16=-261/59, 4-16=0/311, 7-13=0/310, 8-13=-264/59, 2-18=-1791/290, 2-17=-255/2842, 9-11=-1788/291, 9-12=-255/2838, 5-15=-19/621, 4-15=-577/108, 6-14=-39/686, 7-14=-641/118

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-5-12, Interior(1) 2-5-12 to 16-1-14, Exterior(2E) 16-1-14 to 20-10-15, Exterior(2R) 20-10-15 to 25-10-13, Interior(1) 25-10-13 to 38-2-11 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=198, 11=198.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

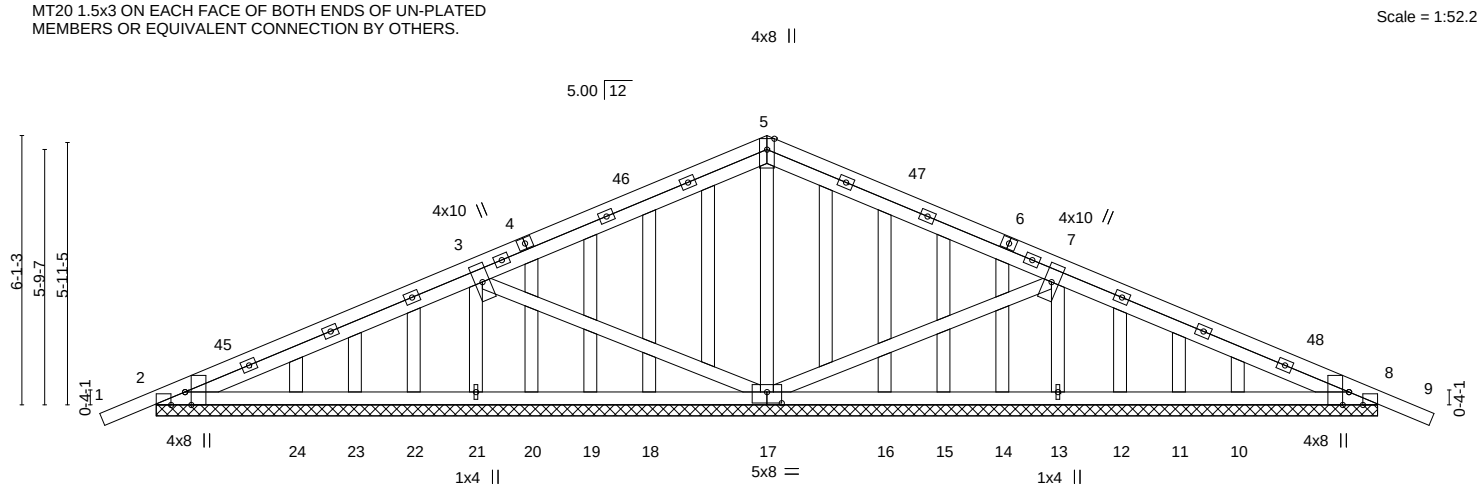
Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	G1E	GABLE	1	1	R73666347
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:41 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-wdJuSarrLjzREuKD?Jiv86HwadcGrMzUObkSu_yEkf4

-1-2-0 1-2-0 | 7-2-14 7-2-14 | 13-10-0 6-7-2 | 20-5-2 6-7-2 | 27-8-0 7-2-14 | 28-10-0 1-2-0

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Scale = 1:52.2



7-2-14 7-2-14 | 13-10-0 6-7-2 | 20-5-2 6-7-2 | 27-8-0 7-2-14

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-3-13,Edge], [8:0-3-8,Edge], [8:0-3-13,Edge], [17:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.01	9	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.02	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 172 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
OTHERS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 19-20,14-15.

REACTIONS. All bearings 27-8-0.
(lb) - Max Horz 2=-93(LC 32)
Max Uplift All uplift 100 lb or less at joint(s) 17, 23, 11 except 2=-262(LC 35), 8=-262(LC 36), 21=-300(LC 35), 13=-300(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 18, 19, 20, 22, 23, 24, 16, 15, 14, 12, 11, 10 except 2=345(LC 44), 8=355(LC 33), 21=529(LC 47), 17=470(LC 1), 13=529(LC 48)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-558/463, 3-5=-401/384, 5-7=-401/395, 7-8=-523/476
BOT CHORD 2-24=-390/455, 23-24=-267/331, 22-23=-203/267, 17-18=-192/257, 10-11=-251/307, 8-10=-387/434
WEBS 3-21=-554/339, 5-17=-368/75, 7-13=-556/326, 3-17=-276/282, 7-17=-276/278

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 13-10-0, Exterior(2R) 13-10-0 to 16-10-0, Interior(1) 16-10-0 to 28-10-11 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) 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.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 23, 11 except (jt=lb) 2=262, 8=262, 21=300, 13=300.
10) 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.
11) This truss has been designed for a total drag load of 1200 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 27-8-0 for 43.4 plf.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	G2	Common	1	1	R73666348
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:43 2022 Page 1
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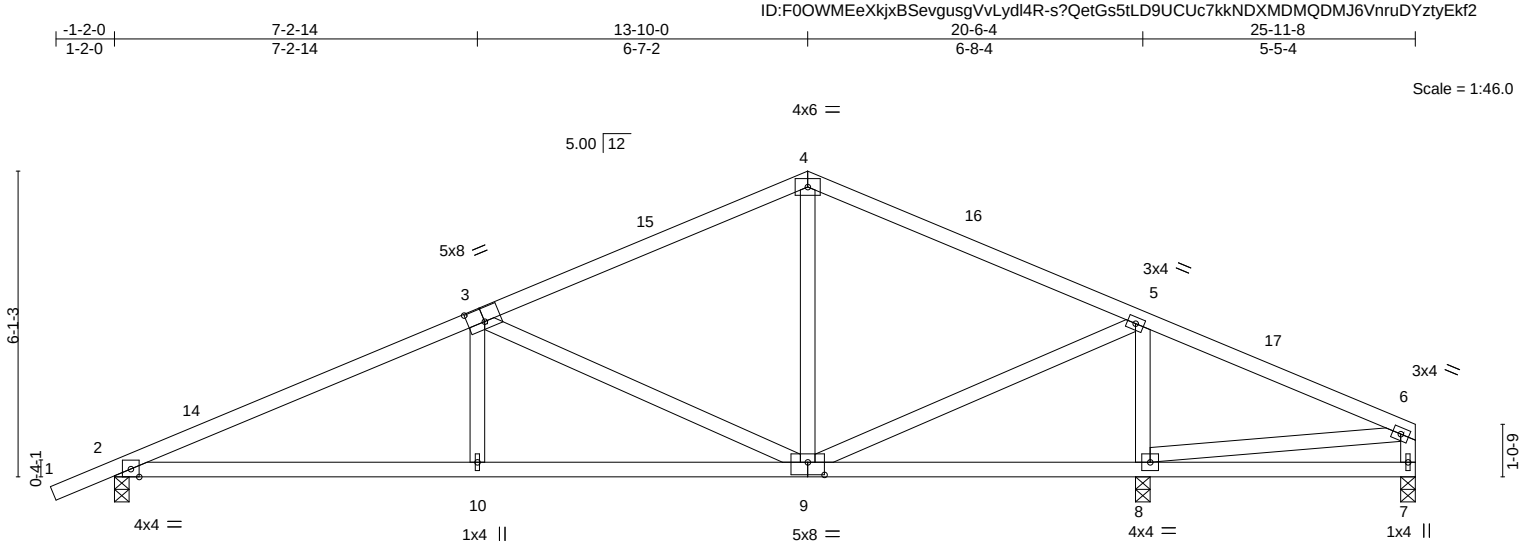


Plate Offsets (X,Y)-- [3:0-4-0,0-3-4], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.06	10-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.18	10-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.06	10-13	>999	240	Weight: 99 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 8=0-3-8, 7=0-3-8
Max Horz 2=90(LC 11)
Max Uplift 2=-123(LC 12), 8=-131(LC 12), 7=-42(LC 23)
Max Grav 2=934(LC 1), 8=1398(LC 1), 7=76(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1545/225, 3-4=-751/176, 4-5=-752/176, 5-6=-38/358
BOT CHORD 2-10=-175/1376, 9-10=-177/1371, 8-9=-258/60
WEBS 3-10=0/300, 3-9=-858/177, 5-9=-84/936, 5-8=-1219/268, 6-8=-261/60

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 13-10-0, Exterior(2R) 13-10-0 to 16-10-0, Interior(1) 16-10-0 to 25-9-12 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 8, and 7. This connection is for uplift only and does not consider lateral forces.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

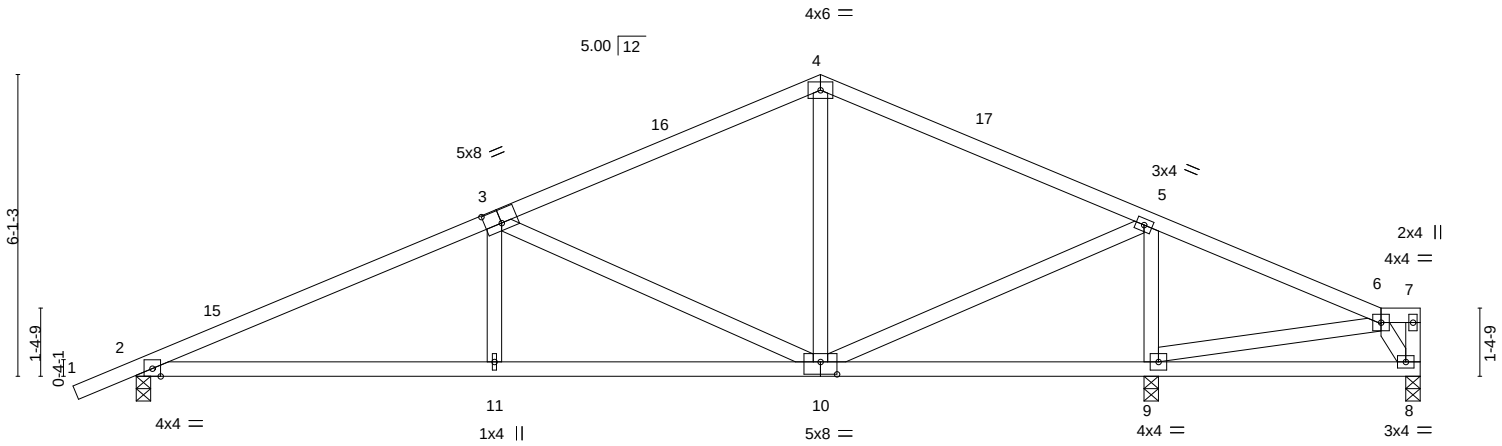
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	G3	ROOF SPECIAL	1	1	R73666349
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:45 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-oOYPHyuLPyTtjVd?E9mrIyRYsEvrn0?3JCif1myEkf0

-1-2-0 | 7-2-14 | 13-10-0 | 20-6-4 | 25-2-0 | 25-11-8
1-2-0 | 7-2-14 | 6-7-2 | 6-8-4 | 4-7-12 | 0-9-8

Scale = 1:46.6



7-2-14 | 13-10-0 | 20-6-4 | 25-11-8
7-2-14 | 6-7-2 | 6-8-4 | 5-5-4

Plate Offsets (X,Y)-- [3:0-4-0,0-3-4], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.06	11-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.18	11-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.06	11-14	>999	240	Weight: 100 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=0-3-8, 2=0-3-8, 9=0-3-8
Max Horz 2=119(LC 11)
Max Uplift 8=-59(LC 23), 2=-124(LC 12), 9=-129(LC 12)
Max Grav 8=70(LC 24), 2=931(LC 1), 9=1415(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1536/222, 3-4=-743/179, 4-5=-742/166, 5-6=-61/383
BOT CHORD 2-11=-202/1367, 10-11=-204/1362, 9-10=-294/78
WEBS 3-11=0/299, 3-10=-857/176, 5-10=-107/967, 5-9=-1208/265, 6-9=-303/74

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 13-10-0, Exterior(2R) 13-10-0 to 16-10-0, Interior(1) 16-10-0 to 25-9-12 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) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8, 2, and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

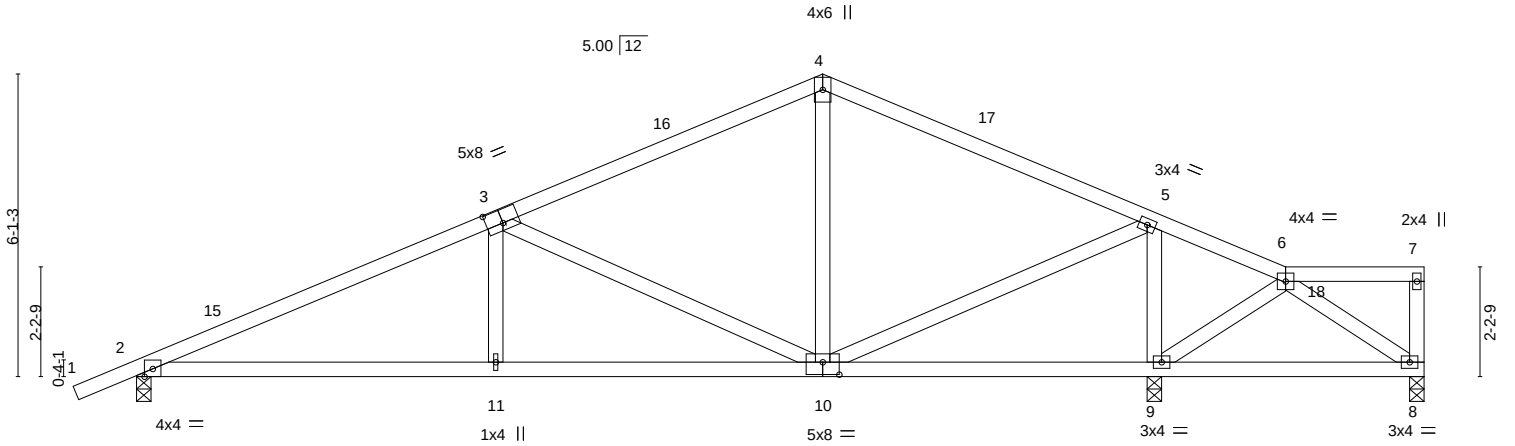
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	G4	ROOF SPECIAL	1	1	R73666350
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:47 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-lng9ievcxZjbypnNMaoJNNXuN1aJFvWMmWBm6eyEkf_

-1-2-0 | 7-2-14 | 13-10-0 | 20-6-4 | 23-2-0 | 25-11-8
1-2-0 | 7-2-14 | 6-7-2 | 6-8-4 | 2-7-12 | 2-9-8

Scale = 1:46.5



7-2-14 | 13-10-0 | 20-6-4 | 25-11-8
7-2-14 | 6-7-2 | 6-8-4 | 5-5-4

Plate Offsets (X,Y)-- [3:0-4-0,0-3-4], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.06	11-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.18	11-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.06	11-14	>999	240	Weight: 101 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=0-3-8, 2=0-3-8, 9=0-3-8
Max Horz 2=140(LC 11)
Max Uplift 8=-59(LC 23), 2=-123(LC 12), 9=-130(LC 12)
Max Grav 8=66(LC 24), 2=930(LC 1), 9=1418(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1533/222, 3-4=-742/179, 4-5=-739/166, 5-6=-83/385
BOT CHORD 2-11=-236/1365, 10-11=-238/1360, 9-10=-299/79
WEBS 3-11=0/299, 3-10=-856/176, 5-10=-133/980, 5-9=-1184/270, 6-8=-29/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 13-10-0, Exterior(2R) 13-10-0 to 16-10-0, Interior(1) 16-10-0 to 25-9-12 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) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8, 2, and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

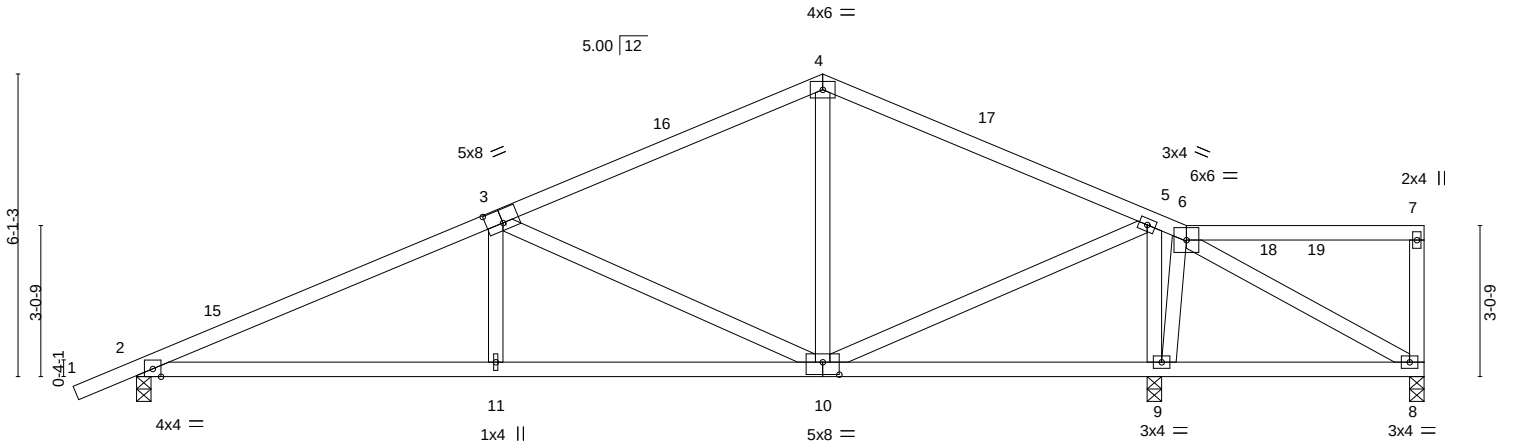
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	G5	ROOF SPECIAL	1	1	R73666351
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:49 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-h9ov7JxsTBzJC7xmT?rnSocEnrGljp1fEqgt9XyEkey

-1-2-0 / 1-2-0 | 7-2-14 / 7-2-14 | 13-10-0 / 6-7-2 | 20-6-4 / 6-8-4 | 21-2-0 / 0-7-12 | 25-11-8 / 4-9-8

Scale = 1:46.5



7-2-14 / 7-2-14 | 13-10-0 / 6-7-2 | 20-6-4 / 6-8-4 | 25-11-8 / 5-5-4

Plate Offsets (X,Y)-- [3:0-4-0,0-3-4], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.06	11-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.19	11-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.06	11-14	>999	240	Weight: 104 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=0-3-8, 2=0-3-8, 9=0-3-8
Max Horz 2=160(LC 11)
Max Uplift 8=-51(LC 23), 2=-125(LC 12), 9=-122(LC 12)
Max Grav 8=72(LC 24), 2=942(LC 1), 9=1397(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1565/230, 3-4=-773/186, 4-5=-772/174, 5-6=-109/371
BOT CHORD 2-11=-275/1394, 10-11=-277/1389, 8-9=-260/75
WEBS 3-11=0/298, 3-10=-855/176, 5-10=-137/915, 5-9=-1215/310, 6-8=-64/328

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 13-10-0, Exterior(2R) 13-10-0 to 16-10-0, Interior(1) 16-10-0 to 25-9-12 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) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8, 2, and 9. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
74609
DUSTIN
REINMUTH
Date Signed
ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

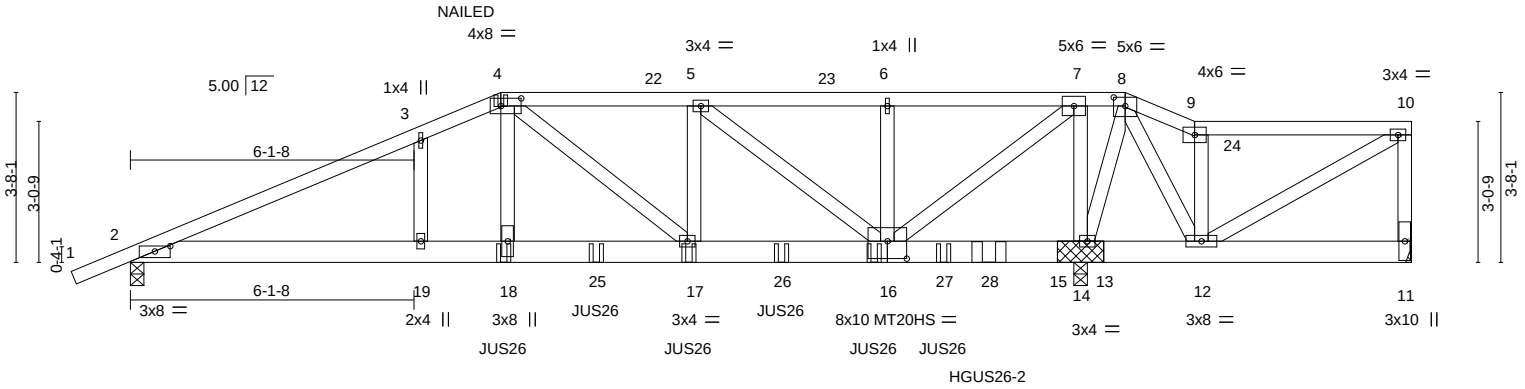
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	G6G	ROOF SPECIAL GIRDER	1	2	R73666352
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:52 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-5kT2lLzll6Mt3agL87OU4QElh2HawHp5wouXmsyEkev

-1-2-0 | 6-1-8 | 8-0-0 | 12-2-1 | 16-4-3 | 20-6-4 | 21-5-13 | 22-11-13 | 27-8-0
1-2-0 | 6-1-8 | 1-10-8 | 4-2-1 | 4-2-1 | 4-2-1 | 0-11-9 | 1-6-0 | 4-8-3

Scale = 1:49.8



6-1-8 | 8-0-0 | 12-2-1 | 16-4-3 | 20-6-4 | 22-11-13 | 27-8-0
6-1-8 | 1-10-8 | 4-2-1 | 4-2-1 | 4-2-1 | 2-5-9 | 4-8-3

Plate Offsets (X,Y)-- [2:0-4-0,0-1-6], [4:0-5-4,0-2-0], [8:0-3-0,0-2-4], [16:0-5-0,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.08	19-21	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.21	19-21	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.09	19-21	>999	240	Weight: 277 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
5-16,7-16: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-16,12-14.

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 14=(0-3-8 + bearing block) (req. 0-4-0)
Max Horz 2=122(LC 26)
Max Uplift 11=-917(LC 19), 2=-306(LC 8), 14=-880(LC 8)
Max Grav 11=163(LC 4), 2=1954(LC 19), 14=5117(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3915/573, 3-4=-3829/614, 4-5=-2898/497, 5-6=-1399/295, 6-7=-1399/295, 7-8=-309/2146, 8-9=-297/1868, 9-10=-283/1692, 10-11=-141/958
BOT CHORD 2-19=-498/3555, 18-19=-498/3555, 17-18=-507/3631, 16-17=-449/2898, 14-16=-2146/383, 12-14=-1850/346
WEBS 4-18=-258/1703, 4-17=-965/116, 5-17=-75/929, 5-16=-1919/257, 6-16=-282/107, 7-16=-752/4484, 7-14=-3041/559, 8-14=-1053/133, 8-12=-58/417, 9-12=-166/576, 10-12=-1981/346

NOTES-
1) 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 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) 2x6 SPF 1650F 1.5E bearing block 12" long at jt. 14 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. User Defined Bearing crushing capacity= 425psi.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Refer to girder(s) for truss to truss connections.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=880.

Continued on page 2

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

13) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
14) 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.
15) 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 8-0-12 from the left end to 17-6-12 to connect truss(es) to front face of bottom chord.
16) Use Simpson Strong-Tie HGUS26-2 (20-10d Girder, 6-10d Truss) or equivalent at 18-6-8 from the left end to connect truss(es) to front face of bottom chord.
17) Fill all nail holes where hanger is in contact with lumber.
18) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
19) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 6-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 4-8=-68, 8-9=-68, 9-10=-68, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-19(F) 18=-319(F) 17=-319(F) 16=-319(F) 19=-777 25=-319(F) 26=-319(F) 27=-319(F) 28=-1030(F)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	HG1	Jack-Closed Girder	1	2	R73666353
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:55 2022 Page 1
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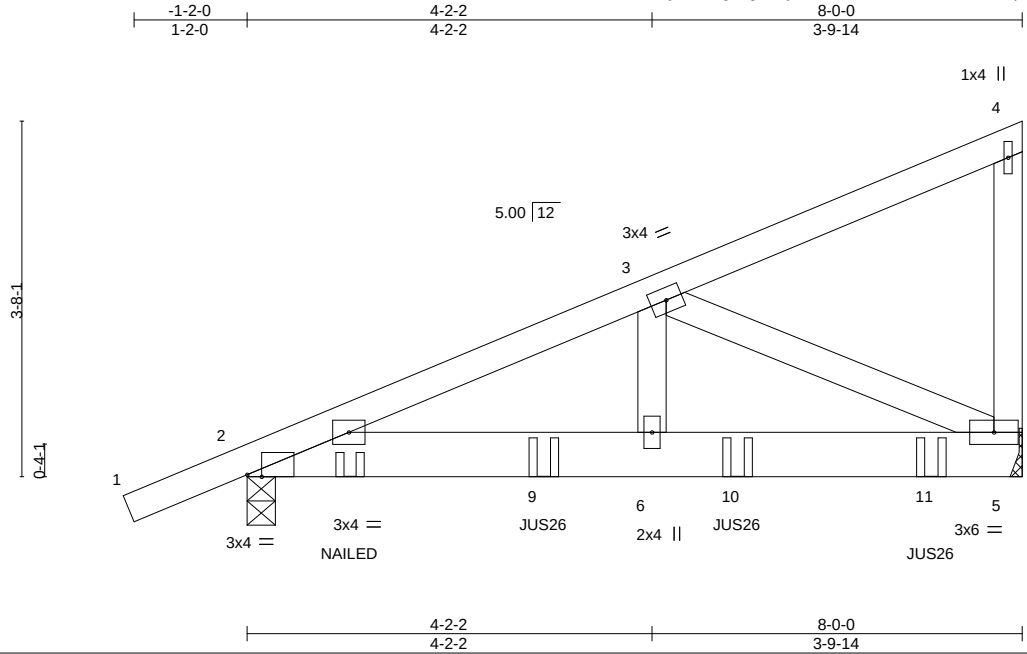

Plate Offsets (X,Y)-- [2:0-1-13,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	-0.01	6-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.03	6-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.01	6-8	>999	240	Weight: 70 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 2=0-3-8, 5=Mechanical
Max Horz 2=130(LC 23)
Max Uplift 2=-187(LC 8), 5=-265(LC 8)
Max Grav 2=934(LC 1), 5=1050(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1572/275
BOT CHORD 2-6=-321/1437, 5-6=-321/1437
WEBS 3-6=-177/961, 3-5=-1582/354

NOTES-
1) 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 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=265.
8) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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.
10) 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 3-0-12 from the left end to 7-0-12 to connect truss(es) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

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LOAD CASE(S) Standard

Continued on page 2

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 2-5=-20
   Concentrated Loads (lb)
   Vert: 8=-2(F) 9=-575(F) 10=-324(F) 11=-308(F)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	HG2	Jack-Closed Girder	1	2	R73666354
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:57 2022 Page 1
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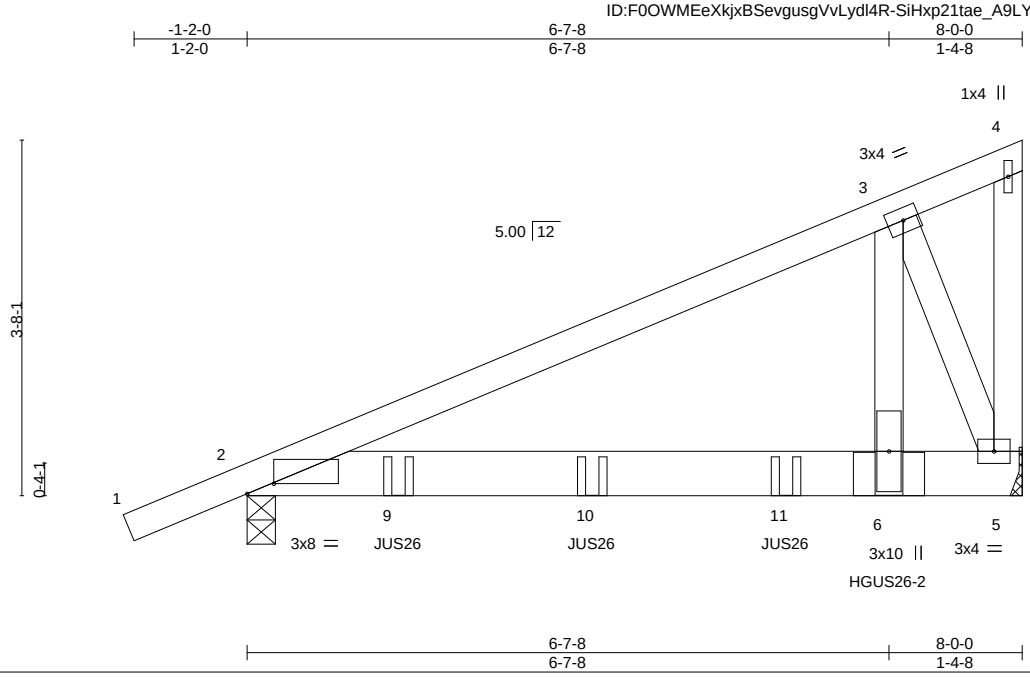

Plate Offsets (X,Y)-- [2:0-3-5,0-1-4]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.04	6-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.10	6-8	>947	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	0.04	6-8	>999	240	Weight: 70 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 2=0-3-8, 5=Mechanical
Max Horz 2=130(LC 27)
Max Uplift 2=-318(LC 8), 5=-688(LC 8)
Max Grav 2=1120(LC 1), 5=801(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-808/350
BOT CHORD 2-6=-370/726, 5-6=-370/726
WEBS 3-6=-806/1417, 3-5=-1757/896

NOTES-
1) 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 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=688.
8) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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.
10) 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 1-6-12 from the left end to 5-6-12 to connect truss(es) to back face of bottom chord.
11) Use Simpson Strong-Tie HGUS26-2 (20-10d Girder, 6-10d Truss) or equivalent at 6-7-8 from the left end to connect truss(es) to back face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 2-5=-20
   Concentrated Loads (lb)
   Vert: 6=530(B) 9=-591(B) 10=-353(B) 11=-349(B)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	HG3	Jack-Closed Girder	1	2	R73666355
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:59 2022 Page 1
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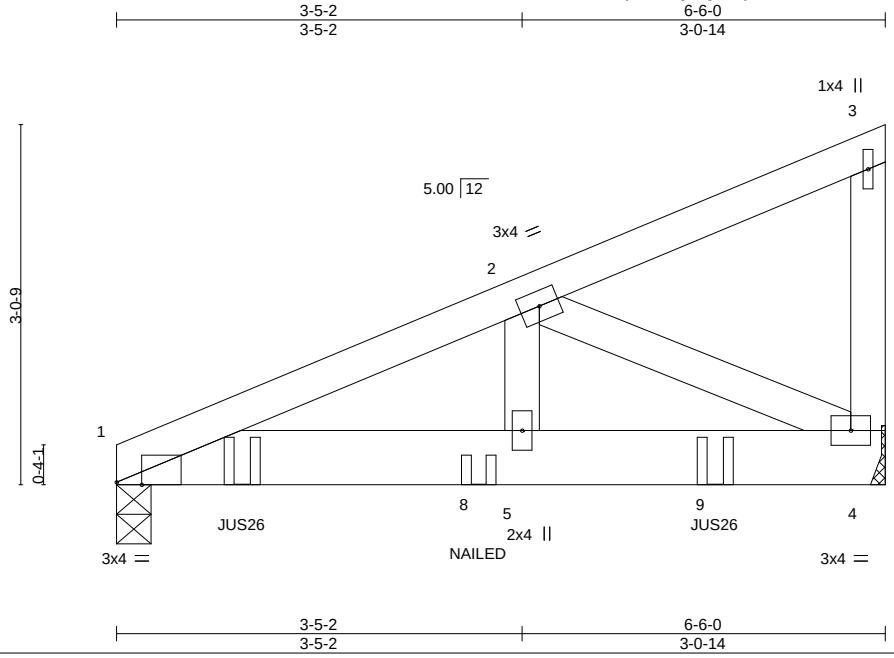

Plate Offsets (X,Y)-- [1:0-2-9,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	-0.01	5	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	5-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.01	5	>999	240	Weight: 54 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 1=0-3-8, 4=Mechanical
Max Horz 1=85(LC 8)
Max Uplift 1=-85(LC 8), 4=-134(LC 8)
Max Grav 1=667(LC 1), 4=620(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-938/130
BOT CHORD 1-5=-173/859, 4-5=-173/859
WEBS 2-5=-68/518, 2-4=-950/192

NOTES-
1) 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 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=134.
8) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. This connection is for uplift only and does not consider lateral forces.
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.
10) Use USP JUS26 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent at 1-0-12 from the left end to connect truss(es) to back face of bottom chord.
11) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 5-0-12 from the left end to connect truss(es) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

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LOAD CASE(S) Standard

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Roseville, CA 95661

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-68, 1-4=-20
   Concentrated Loads (lb)
   Vert: 7=-274(B) 8=-211(B) 9=-243(B)

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	HJ4	Jack-Closed	2	1	R73666356
					Job Reference (optional)

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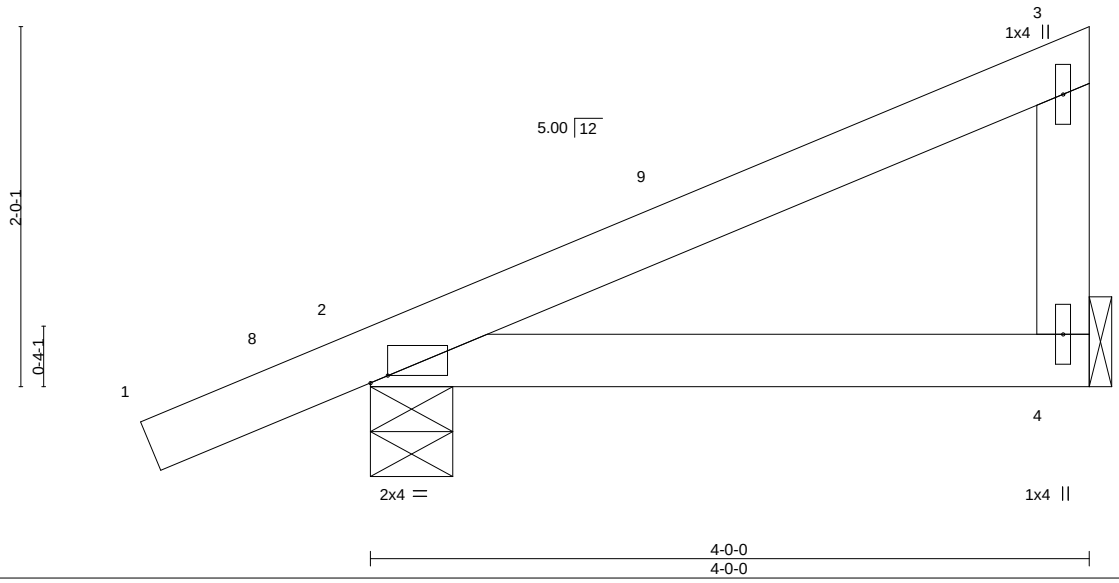

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.01	4-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.02	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.01	4-7	>999	240	Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 4=Mechanical
Max Horz 2=76(LC 12)
Max Uplift 2=-57(LC 12), 4=-18(LC 12)
Max Grav 2=266(LC 1), 4=156(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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 3-10-4 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
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.

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Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	HJ4E	Jack-Closed	2	1	R73666357
					Job Reference (optional)

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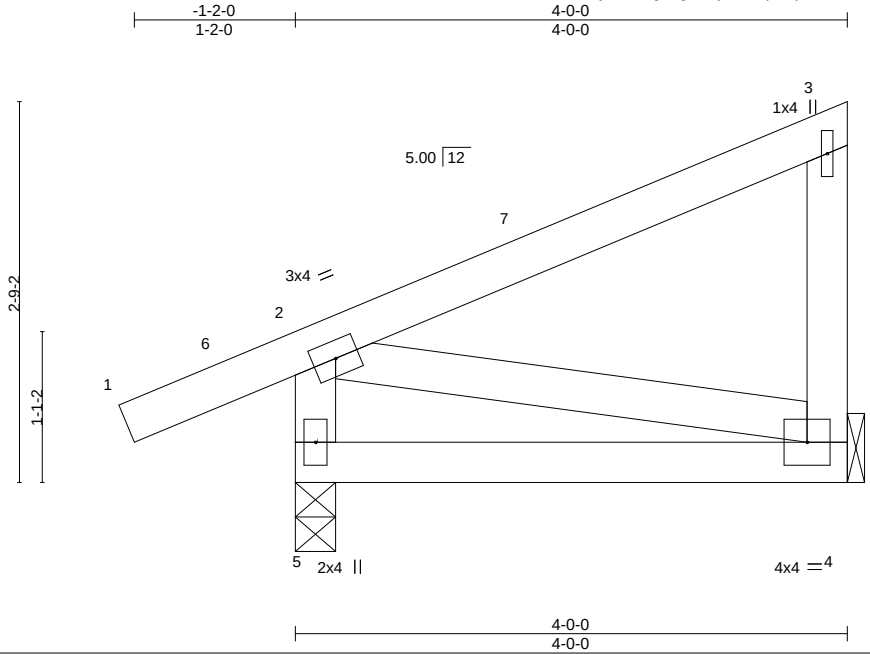

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	4-5	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.00	5	****	240	Weight: 18 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 5=0-3-8, 4=Mechanical
Max Horz 5=99(LC 12)
Max Uplift 5=-47(LC 12), 4=-31(LC 12)
Max Grav 5=279(LC 1), 4=143(LC 1)

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 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 3-10-4 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
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	HJ8	Jack-Closed	2	1	R73666358
					Job Reference (optional)

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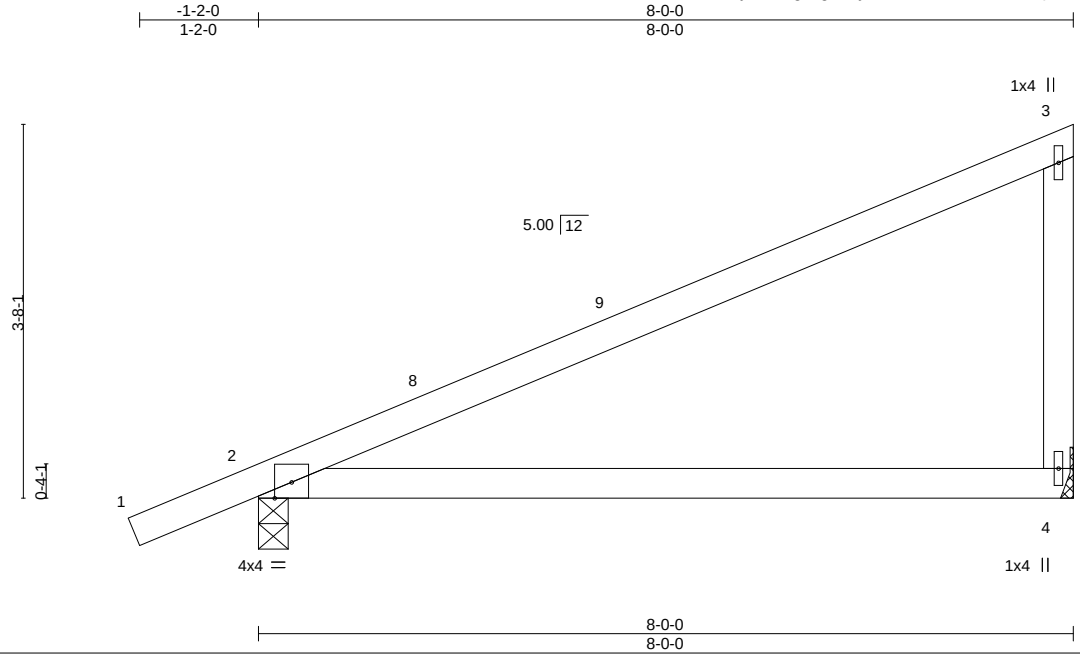

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.13	4-7	>726	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.37	4-7	>253	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.15	4-7	>629	240	Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 4=Mechanical
Max Horz 2=130(LC 12)
Max Uplift 2=-58(LC 12), 4=-50(LC 12)
Max Grav 2=435(LC 1), 4=339(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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 7-10-4 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
74609
DUSTIN
REINMUTH
Date Signed
ARIZONA U.S.A.

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Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	HJ8A	Jack-Closed	2	1	R73666359
					Job Reference (optional)

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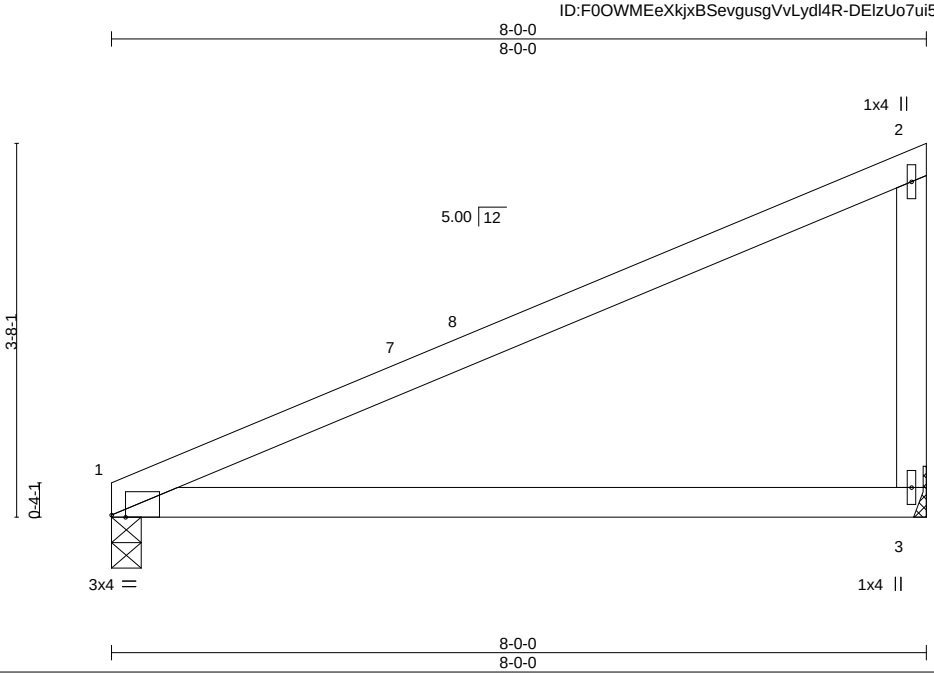

Plate Offsets (X,Y)-- [1:0-1-10,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.13	3-6	>726	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.38	3-6	>247	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.16	3-6	>594	240	Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-3-8, 3=Mechanical
Max Horz 1=105(LC 12)
Max Uplift 1=-9(LC 12), 3=-54(LC 12)
Max Grav 1=346(LC 1), 3=346(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=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-10-4 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	JG1	JACK-CLOSED GIRDER	1	1	R73666360
					Job Reference (optional)

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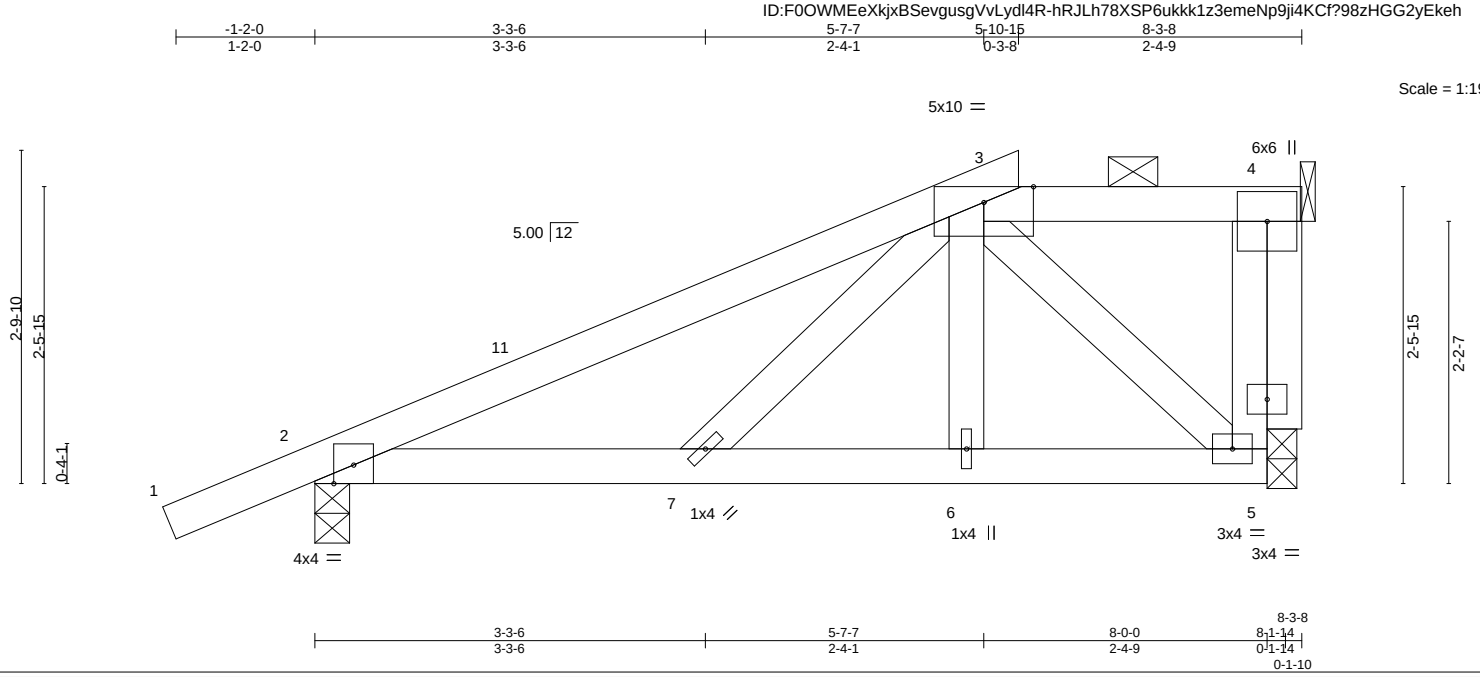

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.01	7-10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.03	7-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.02	7-10	>999	240	Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
OTHERS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 5=0-3-0, 4=Mechanical
Max Horz 2=96(LC 11)
Max Uplift 2=-98(LC 12), 5=-117(LC 9), 4=-36(LC 8)
Max Grav 2=648(LC 1), 5=847(LC 19), 4=77(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1041/135
BOT CHORD 2-7=-213/922, 6-7=-136/772, 5-6=-143/769
WEBS 3-5=-1115/173, 3-7=-106/256

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 5-9-0, Exterior(2E) 5-9-0 to 8-0-0 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
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=117.
10) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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) Load case(s) 16 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Roseville, CA 95661

NOTES-

16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 826 lb down and 150 lb up at 5-9-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-68, 3-4=-68, 5-8=-20
   Concentrated Loads (lb)
   Vert: 3=-734
16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
   Uniform Loads (plf)
   Vert: 1-3=-36, 3-4=-36, 5-8=-20
   Concentrated Loads (lb)
   Vert: 3=-467

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	JG1A	JACK-CLOSED GIRDER	1	1	R73666361
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:08 2022 Page 1
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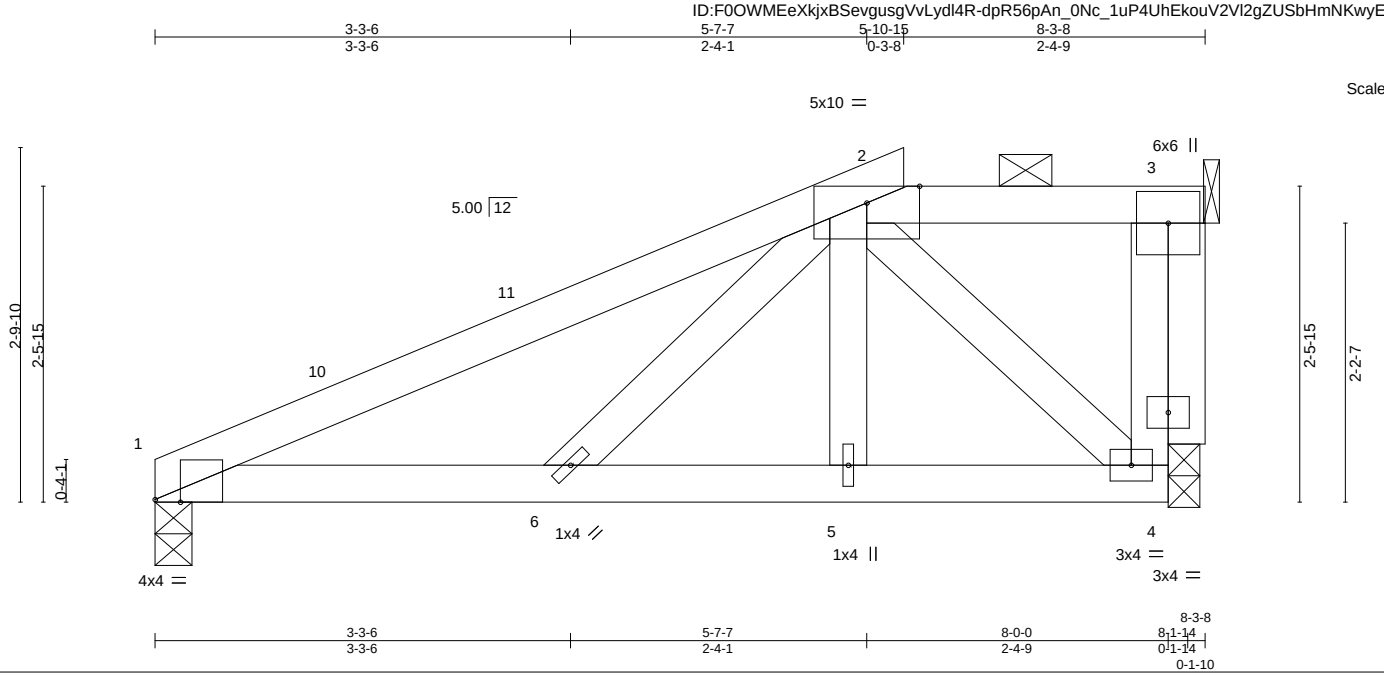

Plate Offsets (X,Y)-- [1:0-2-6,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.01	6-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.04	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.02	6-9	>999	240	Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
OTHERS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins: 2-3.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-3-8, 4=0-3-0, 3=Mechanical
Max Horz 1=88(LC 11)
Max Uplift 1=-49(LC 12), 4=-117(LC 9), 3=-36(LC 8)
Max Grav 1=557(LC 1), 4=849(LC 19), 3=77(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1060/396
BOT CHORD 1-6=-431/962, 5-6=-348/785, 4-5=-356/783
WEBS 2-4=-1117/483, 2-6=-113/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 5-9-0, Exterior(2E) 5-9-0 to 8-0-0 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
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 4=117.
10) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. This connection is for uplift only and does not consider lateral forces.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 821 lb down and 316 lb up at

Continued on page 2

EXPIRES: 12/31/2024
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-68, 2-3=-68, 4-7=-20
   Concentrated Loads (lb)
   Vert: 2=-730

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	K1E	GABLE	1	1	R73666362
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:10 2022 Page 1
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-1-2-0 | 6-9-0 | 13-6-0 | 14-8-0
1-2-0 | 6-9-0 | 6-9-0 | 1-2-0

Scale = 1:26.6

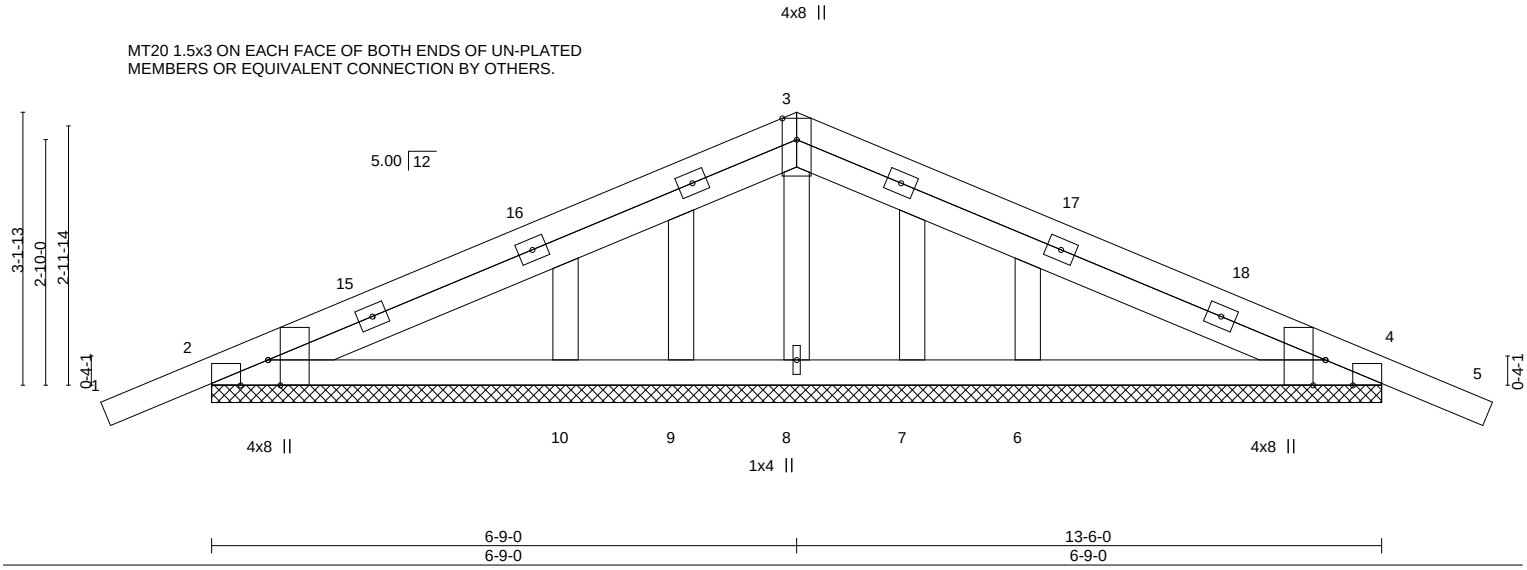

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-3-13,Edge], [4:0-3-8,Edge], [4:0-3-13,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.01	5	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.02	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 60 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
OTHERS 2x4 HF/SPF Stud/Std

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

REACTIONS. All bearings 13-6-0.
(lb) - Max Horz 2=45(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) 8, 9, 7 except 2=-303(LC 35), 4=-303(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 9, 10, 7, 6 except 2=396(LC 44), 4=403(LC 33), 8=501(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-639/603, 3-4=-612/617
BOT CHORD 2-10=-491/514, 4-6=-491/514
WEBS 3-8=-447/208

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 6-9-0, Exterior(2R) 6-9-0 to 9-9-0 , Interior(1) 9-9-0 to 14-8-11 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) 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.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 9, 7 except (jt=lb) 2=303, 4=303.
10) 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.
11) This truss has been designed for a total drag load of 1000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 13-6-0 for 74.1 plf.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	K2	Common	1	1	R73666363
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:12 2022 Page 1
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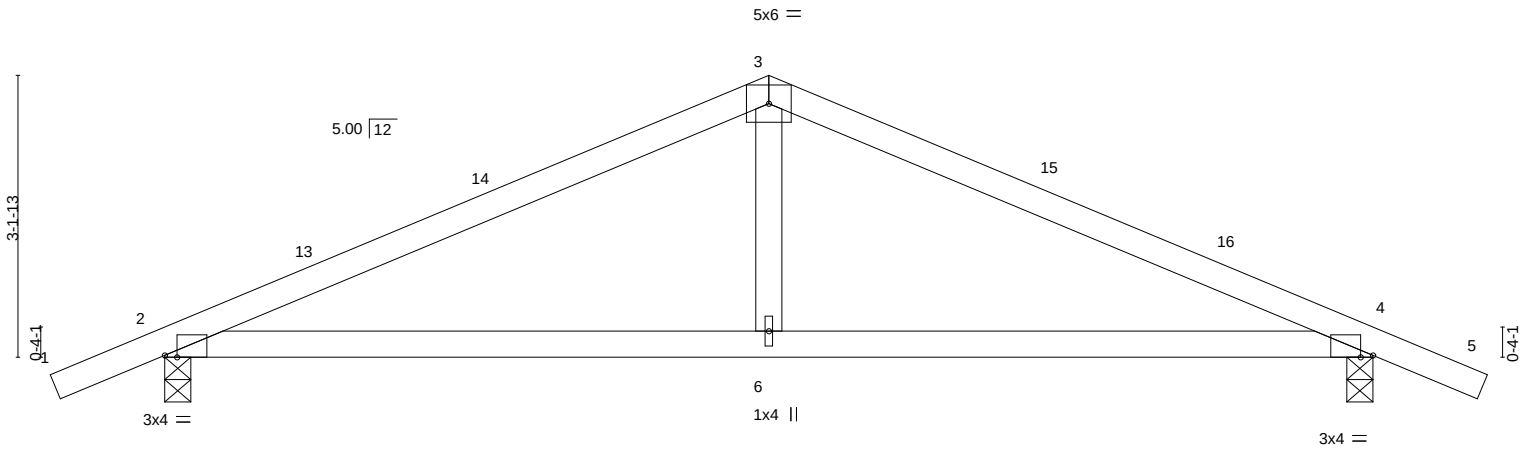

6-9-0 / 6-9-0 | 13-6-0 / 6-9-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.05	6-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.12	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.04	6-12	>999	240	Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-47(LC 10)
Max Uplift 2=-99(LC 12), 4=-99(LC 12)
Max Grav 2=677(LC 1), 4=677(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-936/287, 3-4=-936/287
BOT CHORD 2-6=-147/814, 4-6=-147/814
WEBS 3-6=0/322

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 6-9-0, Exterior(2R) 6-9-0 to 9-9-0 , Interior(1) 9-9-0 to 14-8-11 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	K3	Common	1	1	R73666364
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:13 2022 Page 1
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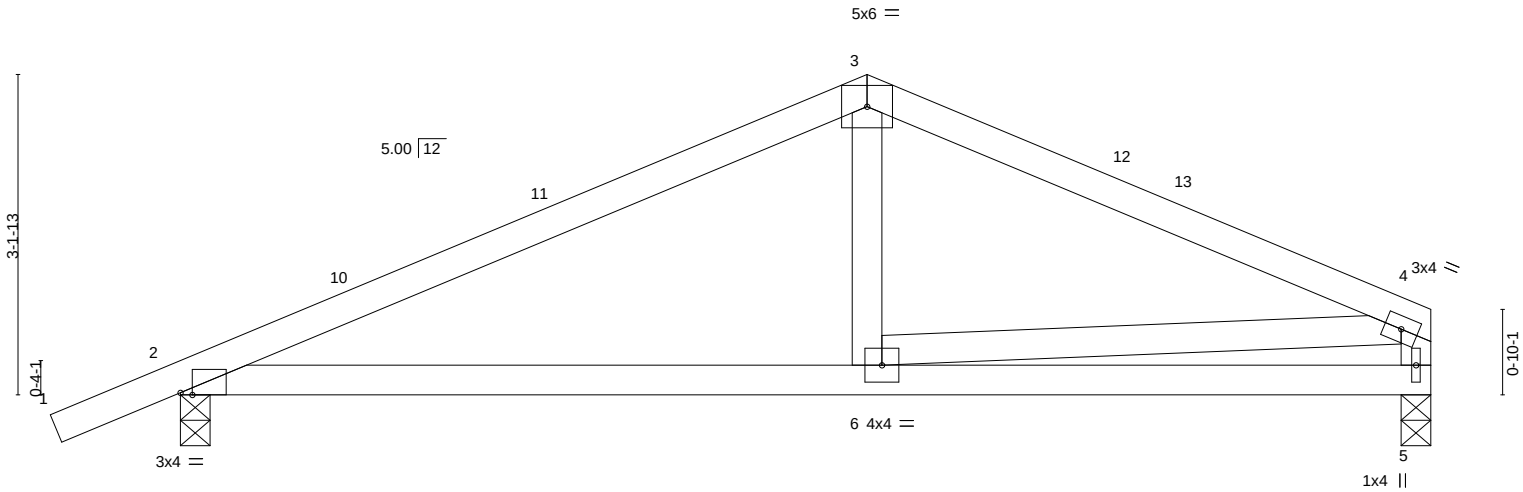

6-9-0 / 6-9-0 | 12-3-8 / 5-6-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.04	6-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.12	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.05	6-9	>999	240	Weight: 40 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=47(LC 11)
Max Uplift 2=-96(LC 12), 5=-47(LC 12)
Max Grav 2=622(LC 1), 5=530(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-772/257, 3-4=-761/269
BOT CHORD 2-6=-187/663
WEBS 4-5=-497/206, 4-6=-188/667

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 6-9-0, Exterior(2R) 6-9-0 to 9-9-0 , Interior(1) 9-9-0 to 12-1-12 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	K4	ROOF SPECIAL	1	1	R73666365
					Job Reference (optional)

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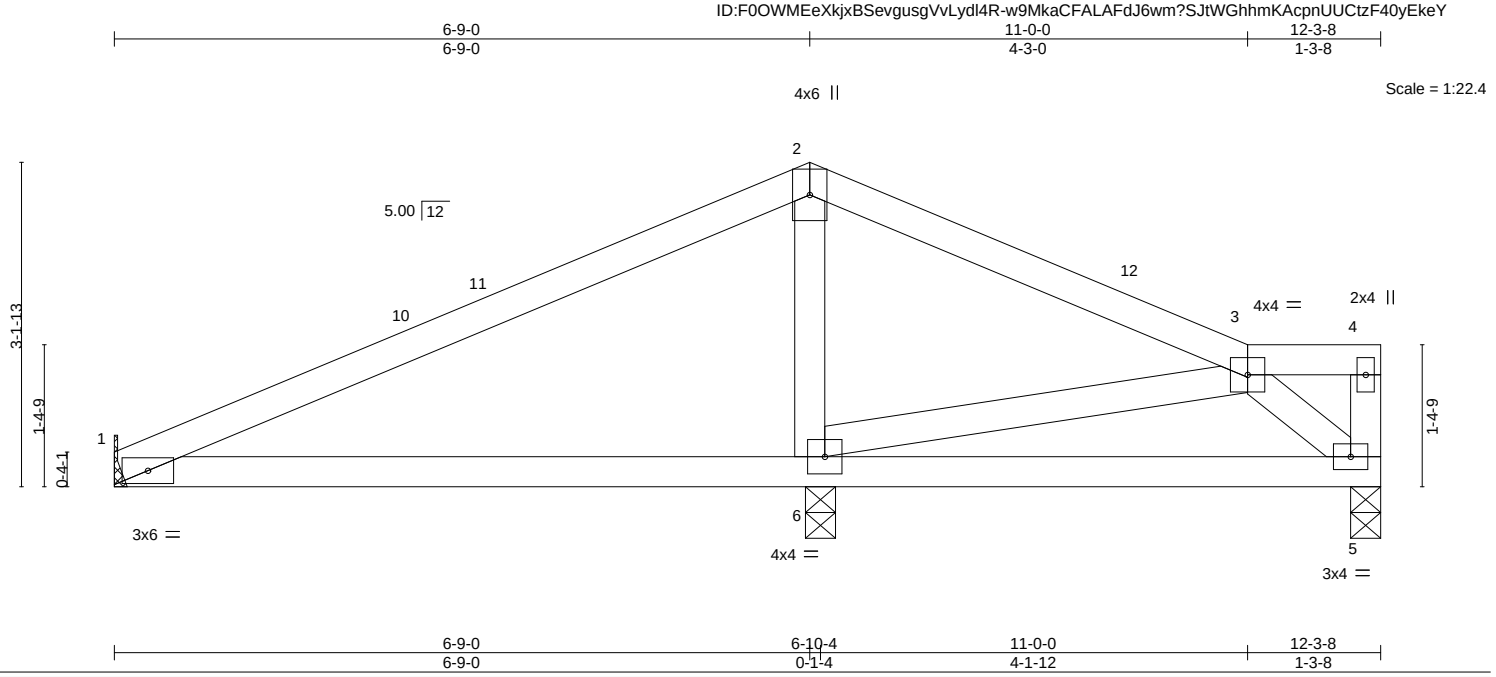

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.04	6-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.13	6-9	>643	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.06	6-9	>999	240	Weight: 40 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=Mechanical, 6=0-3-8, 5=0-3-8
Max Horz 1=67(LC 11)
Max Uplift 1=-34(LC 12), 6=-34(LC 12), 5=-30(LC 12)
Max Grav 1=294(LC 23), 6=550(LC 1), 5=229(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-336/203, 3-5=-276/197

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-9-0, Exterior(2R) 6-9-0 to 9-9-0, Interior(1) 9-9-0 to 12-1-12 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) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
9) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 5. This connection is for uplift only and does not consider lateral forces.
10) 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.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	K5	ROOF SPECIAL	1	1	R73666366
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:16 2022 Page 1
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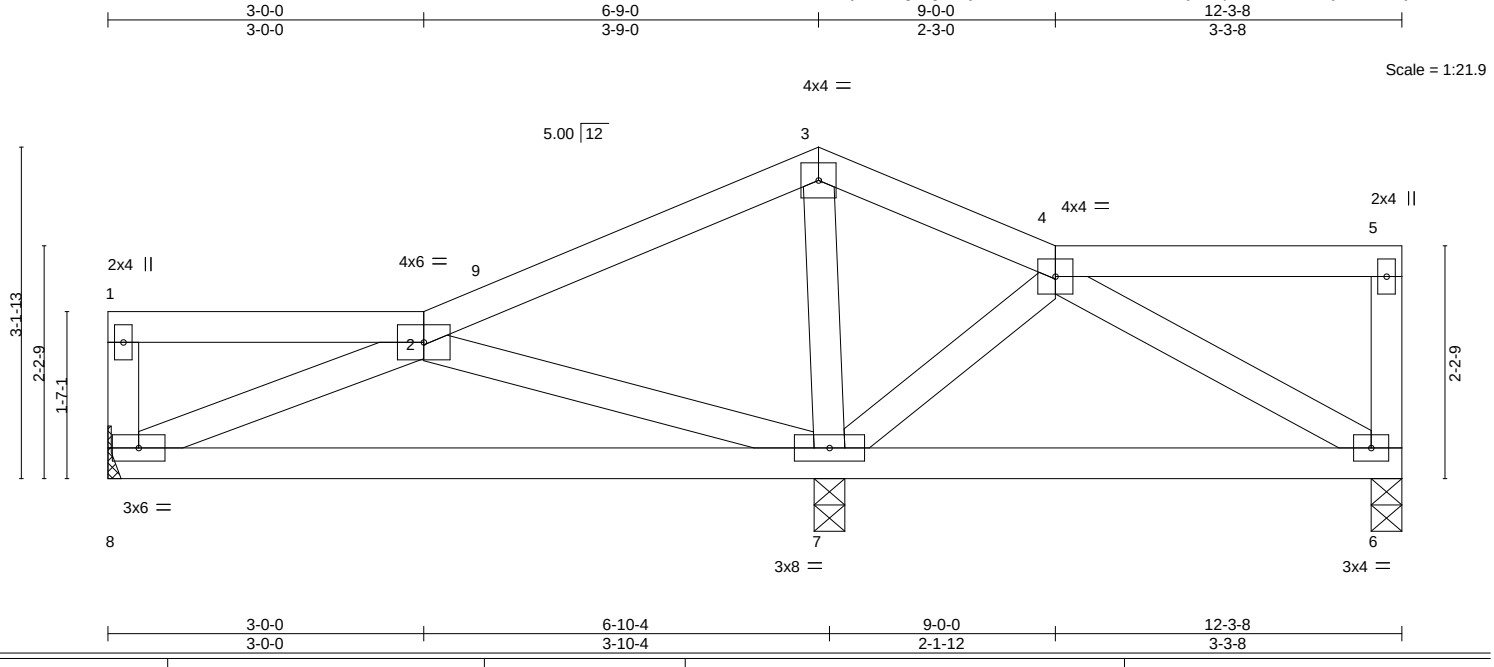

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.04	7-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.08	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.00	7-8	>999	240	Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 6=0-3-8, 7=0-3-8
Max Horz 8=84(LC 11)
Max Uplift 8=-32(LC 8), 6=-26(LC 8), 7=-74(LC 12)
Max Grav 8=231(LC 23), 6=168(LC 24), 7=691(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-351/229, 3-7=-314/215

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-0-0, Interior(1) 3-0-0 to 6-9-0, Exterior(2E) 6-9-0 to 9-0-0, Interior(1) 9-0-0 to 12-1-12 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) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
9) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 7. This connection is for uplift only and does not consider lateral forces.
10) 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.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	K6	ROOF SPECIAL	1	1	R73666367
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:18 2022 Page 1
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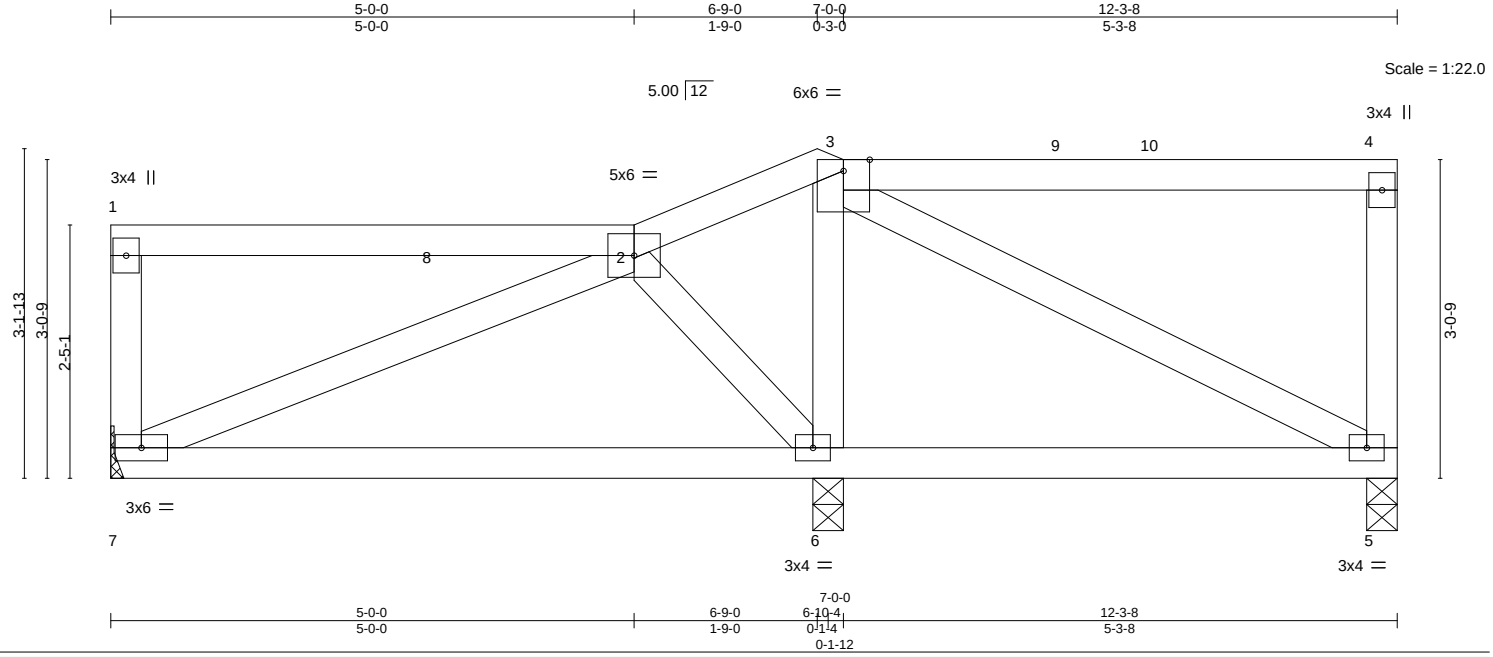

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.04	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.08	6-7	>988	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	-0.00	6-7	>999	240	Weight: 52 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 7=Mechanical, 5=0-3-8, 6=0-3-8
Max Horz 7=102(LC 11)
Max Uplift 7=-66(LC 8), 5=-46(LC 9), 6=-96(LC 9)
Max Grav 7=263(LC 23), 5=209(LC 24), 6=600(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-286/184

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-0-0, Exterior(2R) 7-0-0 to 10-0-0, Interior(1) 10-0-0 to 12-1-12 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) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7.
9) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 6. This connection is for uplift only and does not consider lateral forces.
10) 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.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	P1E	GABLE	1	1	R73666368
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:20 2022 Page 1
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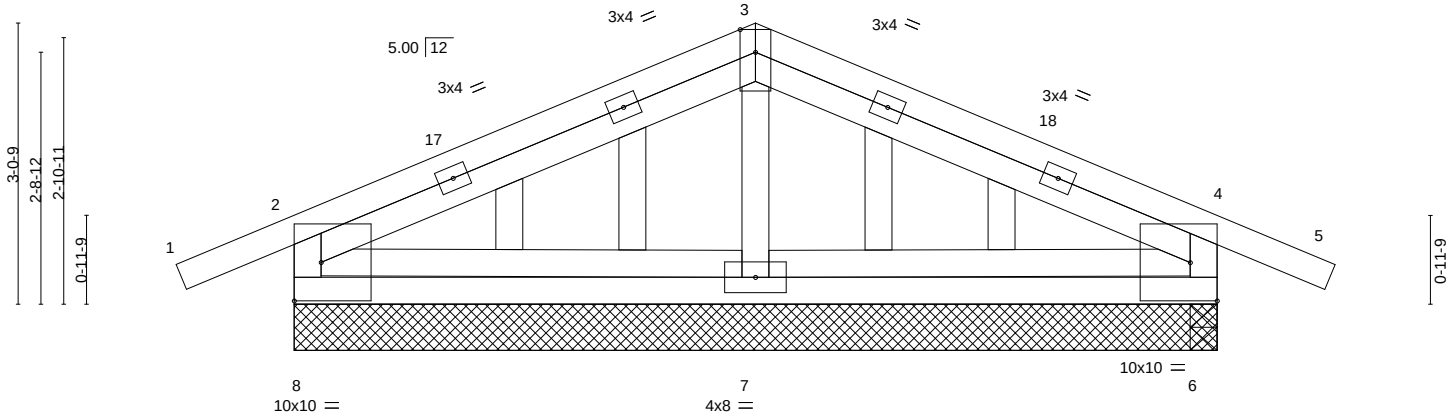
-1-2-0 5-0-0 10-0-0 11-2-0
1-2-0 5-0-0 5-0-0 1-2-0

MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

4x8 ||

Scale = 1:25.0



5-0-0 10-0-0
5-0-0 5-0-0

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.01	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.02	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	-0.01	7-8	>999	240	Weight: 58 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
OTHERS 2x4 HF/SPF Stud/Std

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

REACTIONS. All bearings 10-0-0.
(lb) - Max Horz 8=-61(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) except 8=-351(LC 35), 6=-350(LC 36)
Max Grav All reactions 250 lb or less at joint(s) except 8=462(LC 44), 6=461(LC 43), 6=338(LC 1), 7=364(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-679/612, 3-4=-678/629, 2-8=-496/432, 4-6=-449/483
BOT CHORD 7-8=-461/503, 6-7=-397/498
WEBS 3-7=-252/152, 2-7=-414/436, 4-7=-419/406

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 5-0-0, Exterior(2R) 5-0-0 to 8-0-0 , Interior(1) 8-0-0 to 11-2-11 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) 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.
4) Gable studs spaced at 1-4-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 8 and 350 lb uplift at joint 6.
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) This truss has been designed for a total drag load of 1000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 10-0-0 for 100.0 plf.

Registered Professional Engineer (Civil) CERTIFICATE NO. 74609 DUSTIN REINMUTH Date Signed ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	P1G	Hip Girder	1	1	R73666369
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:21 2022 Page 1
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-1-2-0 | 4-0-0 | 6-0-0 | 10-0-0 | 11-2-0
1-2-0 | 4-0-0 | 2-0-0 | 4-0-0 | 1-2-0

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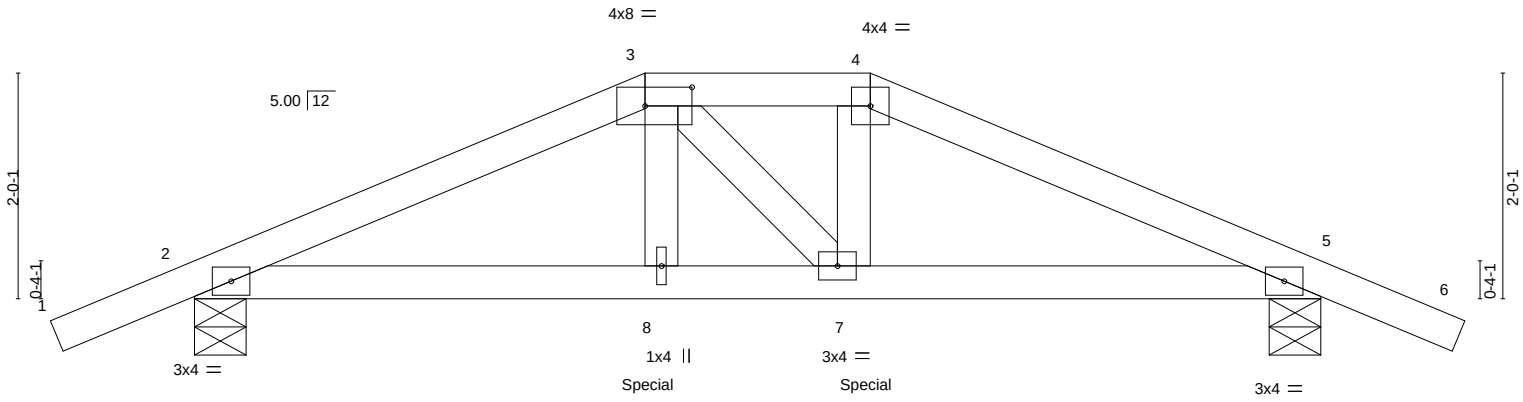

4-0-0 | 6-0-0 | 10-0-0
4-0-0 | 2-0-0 | 4-0-0

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.02	8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.05	8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.02	8	>999	240	Weight: 32 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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

REACTIONS. (size) 2=0-5-8, 5=0-5-8
Max Horz 2=-31(LC 25)
Max Uplift 2=-145(LC 8), 5=-145(LC 8)
Max Grav 2=880(LC 1), 5=880(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1598/209, 3-4=-1472/208, 4-5=-1602/209
BOT CHORD 2-8=-134/1433, 7-8=-136/1468, 5-7=-140/1436
WEBS 3-8=-32/425, 4-7=-30/443

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 2 and 145 lb uplift at joint 5.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 357 lb down and 80 lb up at 4-0-0, and 357 lb down and 80 lb up at 5-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-68, 3-4=-68, 4-6=-68, 9-12=-20
Concentrated Loads (lb)
Vert: 8=-357(B) 7=-357(B)

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	P2	Common	4	1	R73666370
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:23 2022 Page 1
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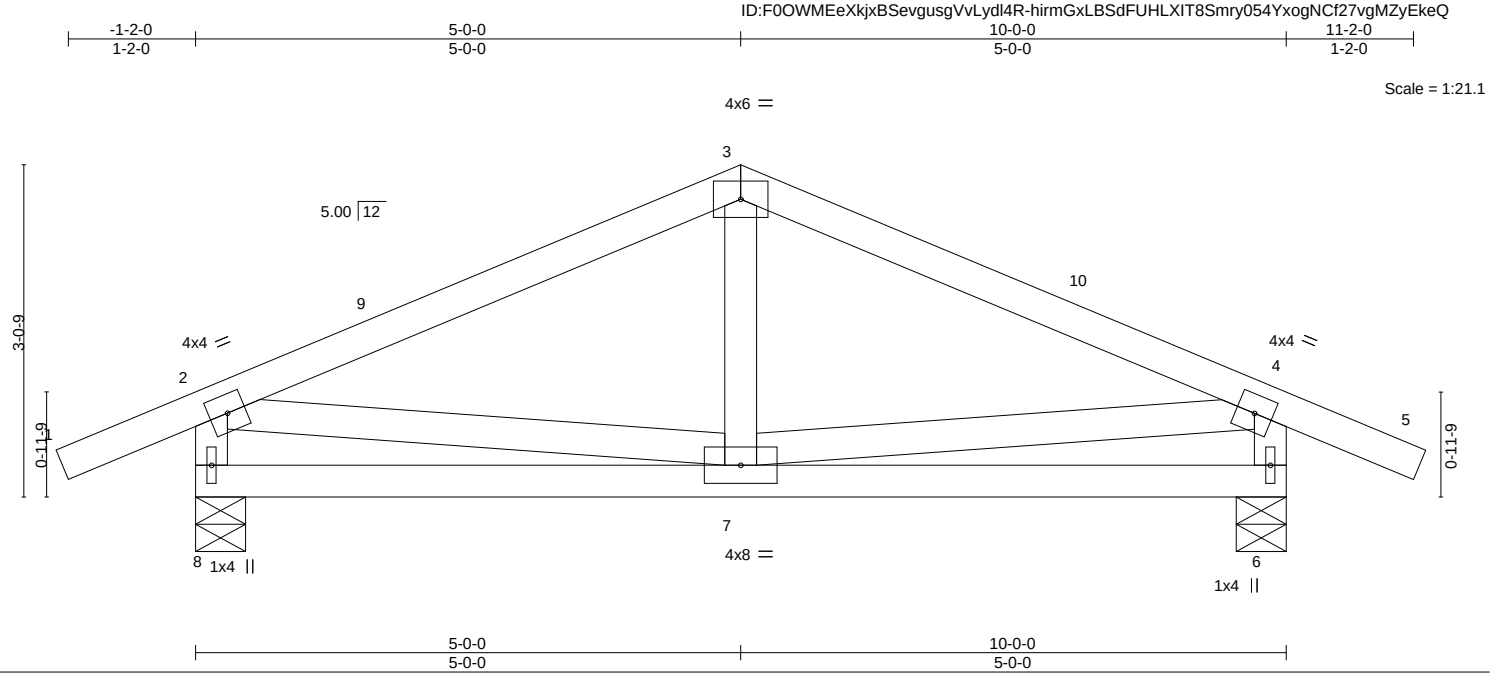

Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.02	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.03	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.01	7	>999	240	Weight: 42 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=0-5-8, 6=0-5-8
Max Horz 8=-37(LC 10)
Max Uplift 8=-89(LC 12), 6=-89(LC 12)
Max Grav 8=520(LC 1), 6=520(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-510/207, 3-4=-510/210
WEBS 2-8=-482/273, 4-6=-482/275, 2-7=-87/420, 4-7=-88/420

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 5-0-0, Exterior(2R) 5-0-0 to 8-0-0 , Interior(1) 8-0-0 to 11-2-11 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 89 lb uplift at joint 8 and 89 lb uplift at joint 6.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	P2A	Common	1	1	R73666371
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:24 2022 Page 1
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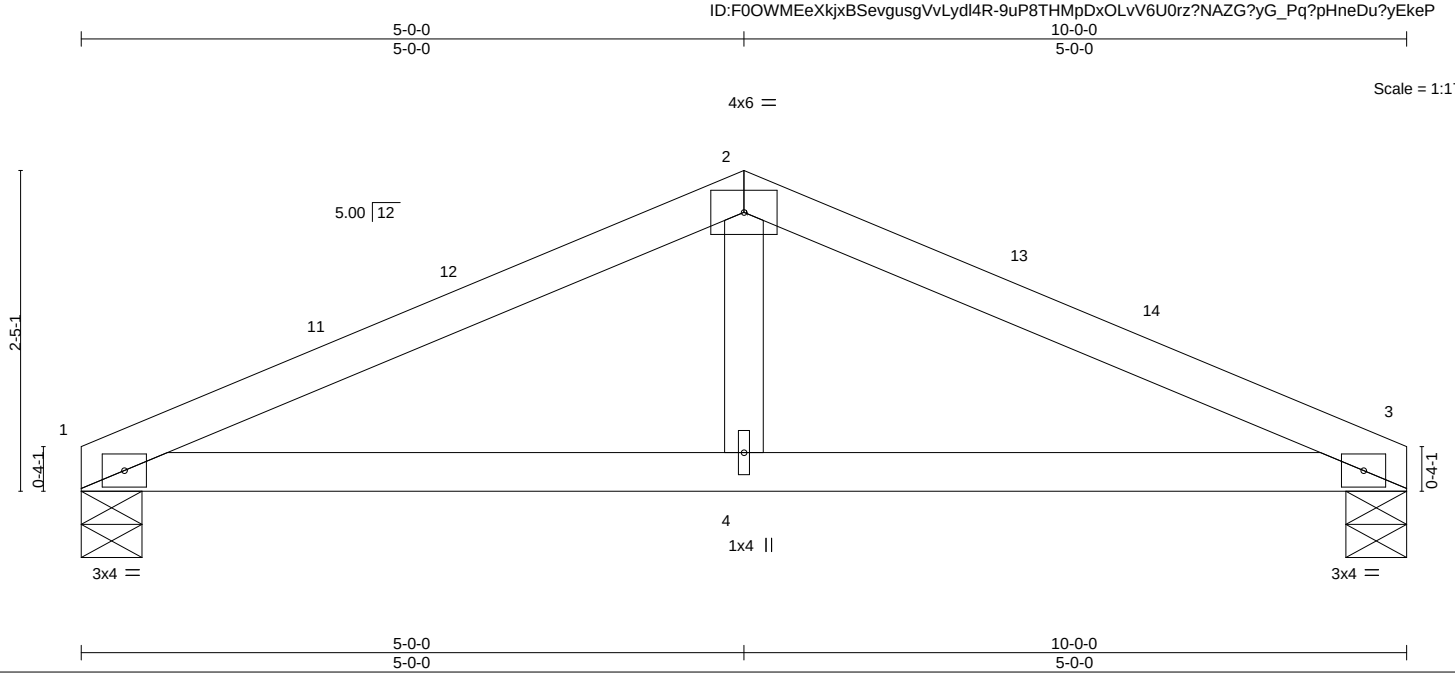

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.02	4-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.05	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.02	4-7	>999	240	Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-5-8, 3=0-5-8
Max Horz 1=-30(LC 10)
Max Uplift 1=-40(LC 12), 3=-40(LC 12)
Max Grav 1=440(LC 1), 3=440(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-703/301, 2-3=-703/301
BOT CHORD 1-4=-206/616, 3-4=-206/616

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 5-0-0, Exterior(2R) 5-0-0 to 8-0-0, Interior(1) 8-0-0 to 10-0-0 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
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 40 lb uplift at joint 1 and 40 lb uplift at joint 3.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	P2C	Common	2	1	R73666372
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:26 2022 Page 1
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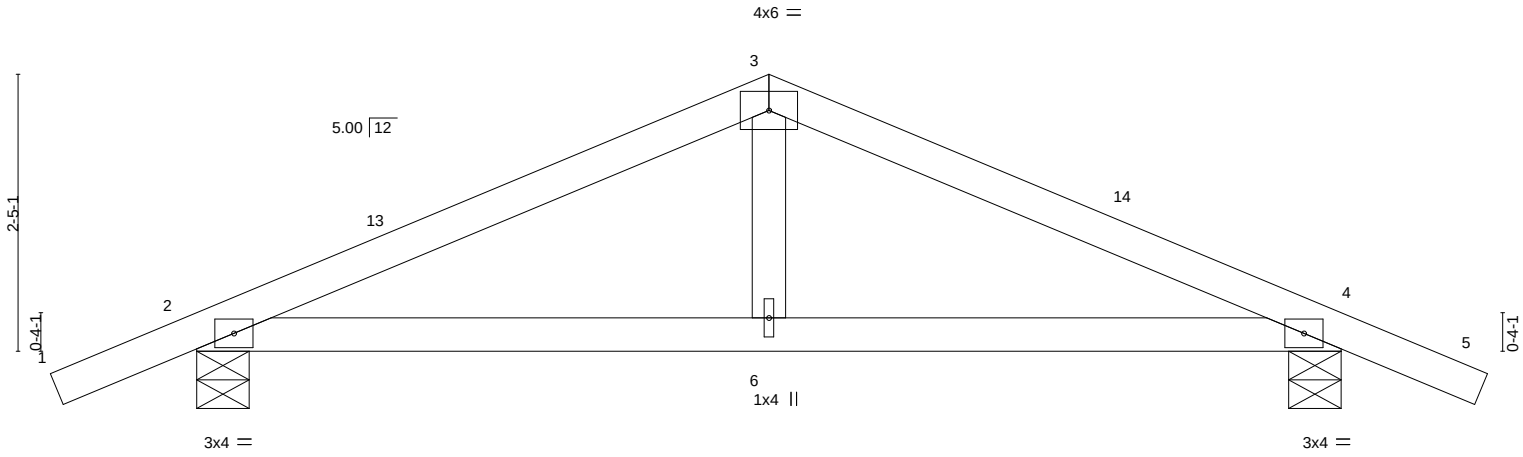
-1-2-0 | 5-0-0 | 10-0-0 | 11-2-0
1-2-0 | 5-0-0 | 5-0-0 | 1-2-0

Scale = 1:20.1



5-0-0 | 10-0-0
5-0-0 | 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.01	6-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.04	6-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.02	6-9	>999	240	Weight: 29 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-5-8, 4=0-5-8
Max Horz 2=-37(LC 10)
Max Uplift 2=-85(LC 12), 4=-85(LC 12)
Max Grav 2=523(LC 1), 4=523(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-669/266, 3-4=-669/271
BOT CHORD 2-6=-139/583, 4-6=-139/583

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 5-0-0, Exterior(2R) 5-0-0 to 8-0-0 , Interior(1) 8-0-0 to 11-2-11 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 85 lb uplift at joint 2 and 85 lb uplift at joint 4.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
74609
DUSTIN
REINMUTH
Date Signed
ARIZONA U.S.A.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V1	Valley	1	1	R73666373
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:27 2022 Page 1
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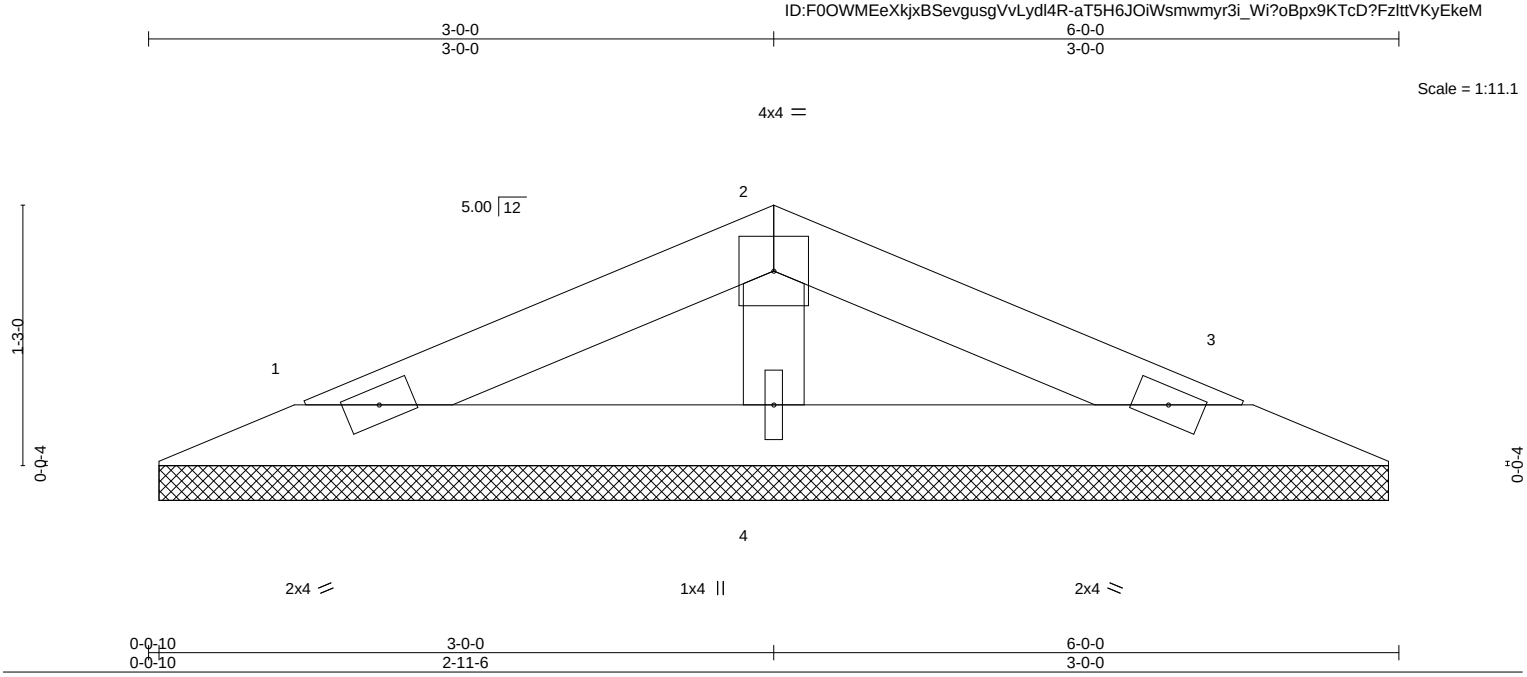

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 1=5-10-13, 3=5-10-13, 4=5-10-13
Max Horz 1=-13(LC 10)
Max Uplift 1=-17(LC 12), 3=-17(LC 12), 4=-3(LC 12)
Max Grav 1=99(LC 1), 3=99(LC 1), 4=197(LC 1)

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 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) 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=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 17 lb uplift at joint 3 and 3 lb uplift at joint 4.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V1D	Valley	1	1	R73666374
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:29 2022 Page 1
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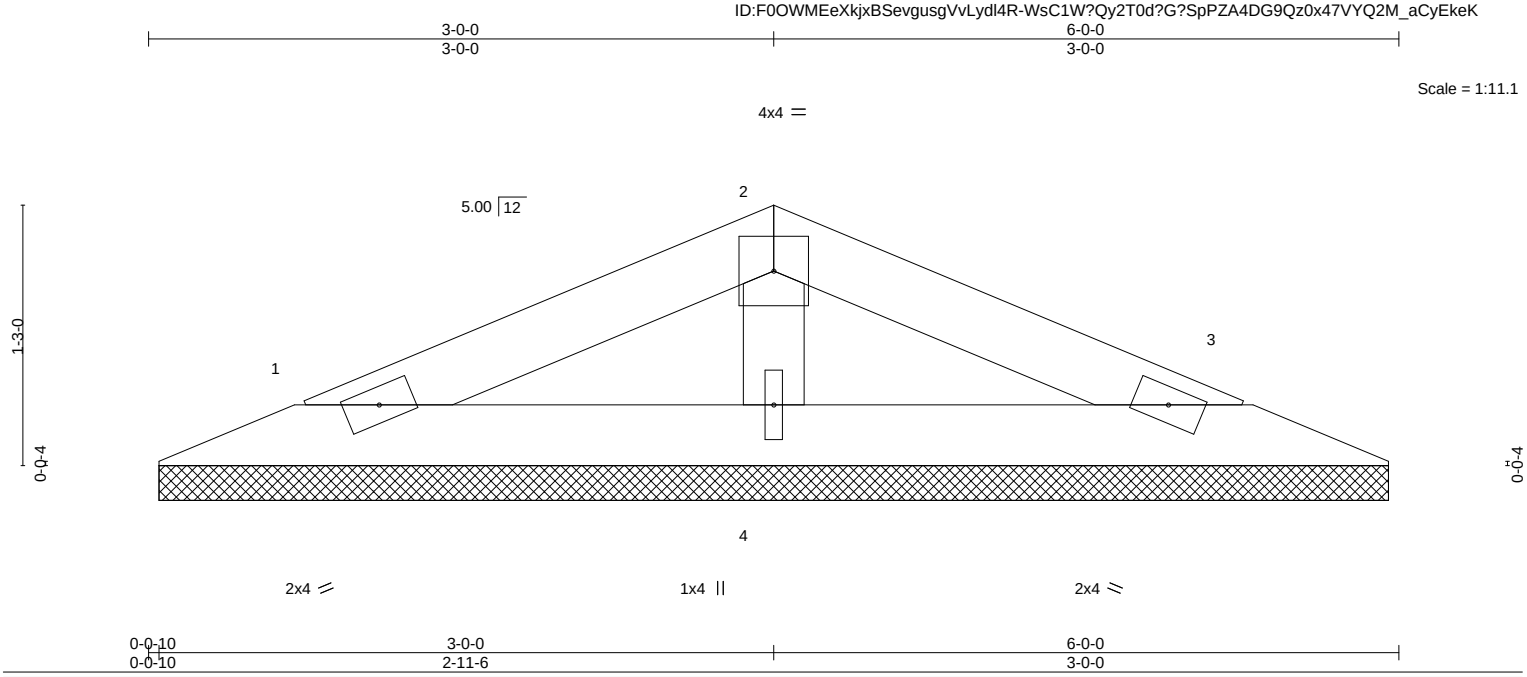

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 1=5-10-13, 3=5-10-13, 4=5-10-13
Max Horz 1=-13(LC 10)
Max Uplift 1=-17(LC 12), 3=-17(LC 12), 4=-3(LC 12)
Max Grav 1=99(LC 1), 3=99(LC 1), 4=197(LC 1)

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 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) 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=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 17 lb uplift at joint 3 and 3 lb uplift at joint 4.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V1F	Valley	1	1	R73666375
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:30 2022 Page 1
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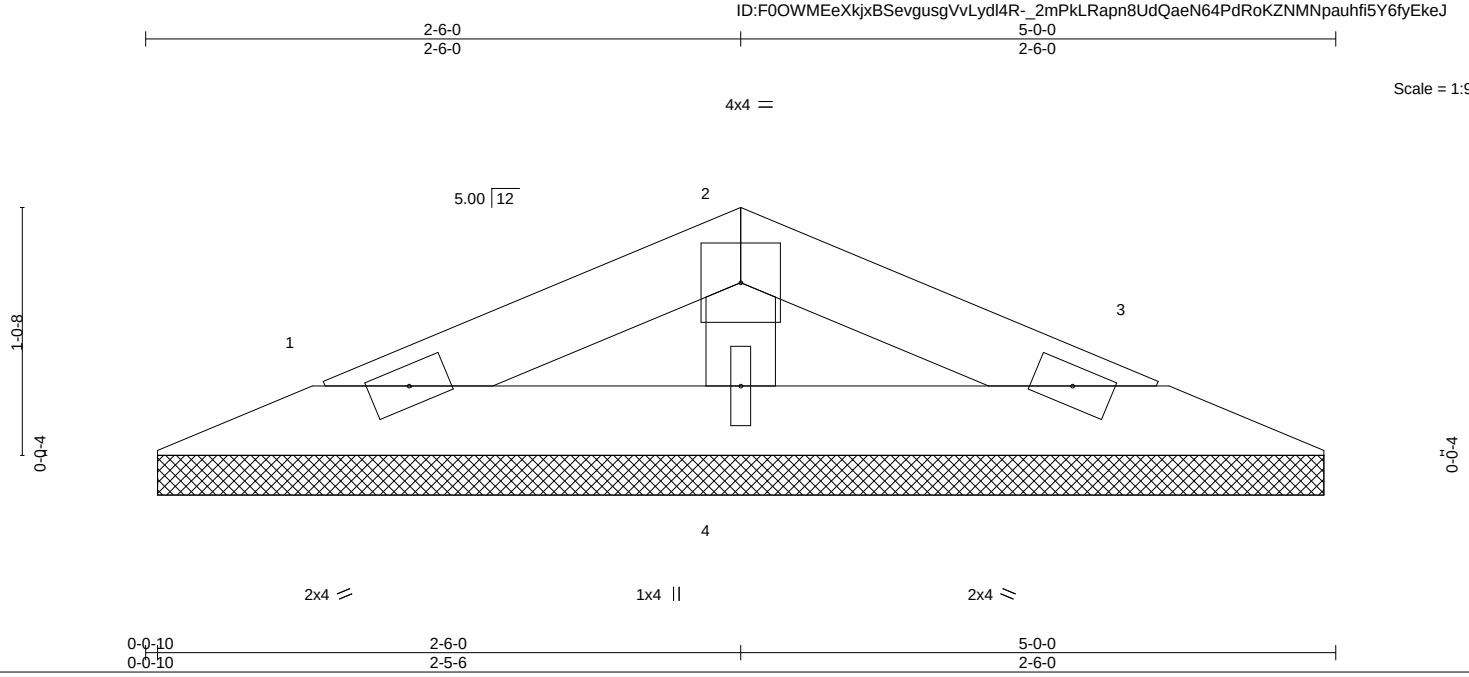

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 10 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-10-13, 3=4-10-13, 4=4-10-13
Max Horz 1=-11(LC 10)
Max Uplift 1=-13(LC 12), 3=-13(LC 12), 4=-2(LC 12)
Max Grav 1=77(LC 1), 3=77(LC 1), 4=153(LC 1)

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 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) 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=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 13 lb uplift at joint 3 and 2 lb uplift at joint 4.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V2D	Valley	1	1	R73666376
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:31 2022 Page 1
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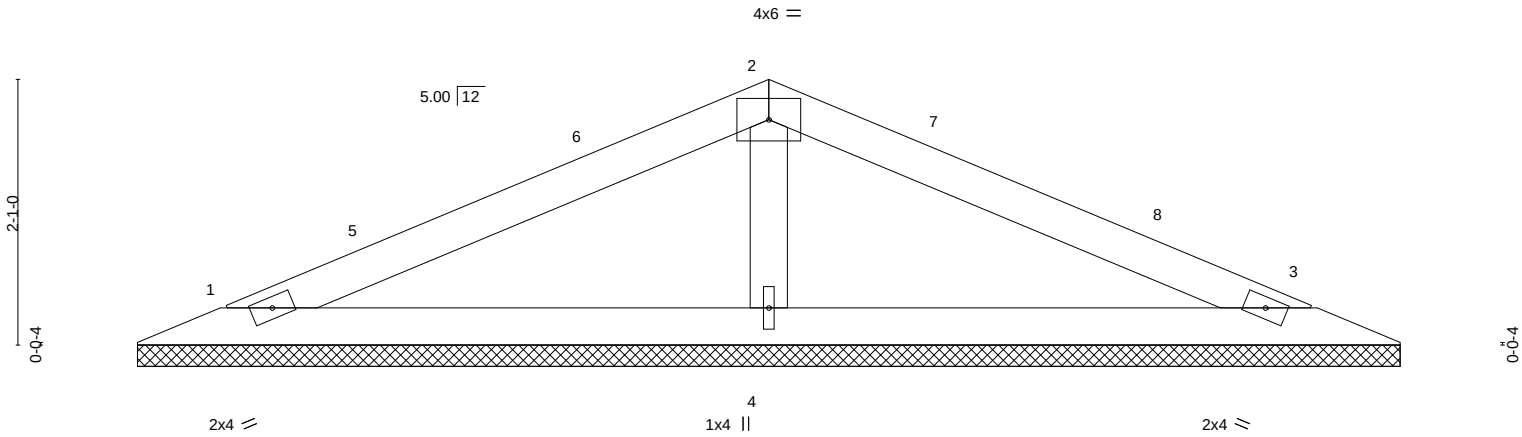

0-0-10 / 0-0-10 | 5-0-0 / 4-11-6 | 10-0-0 / 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 1=9-10-13, 3=9-10-13, 4=9-10-13
Max Horz 1=-25(LC 10)
Max Uplift 1=-23(LC 12), 3=-23(LC 12), 4=-22(LC 12)
Max Grav 1=169(LC 23), 3=169(LC 24), 4=414(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-287/189

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 5-0-0, Exterior(2R) 5-0-0 to 8-0-0, Interior(1) 8-0-0 to 9-2-15 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1, 23 lb uplift at joint 3 and 22 lb uplift at joint 4.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V2F	Valley	1	1	R73666377
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:33 2022 Page 1
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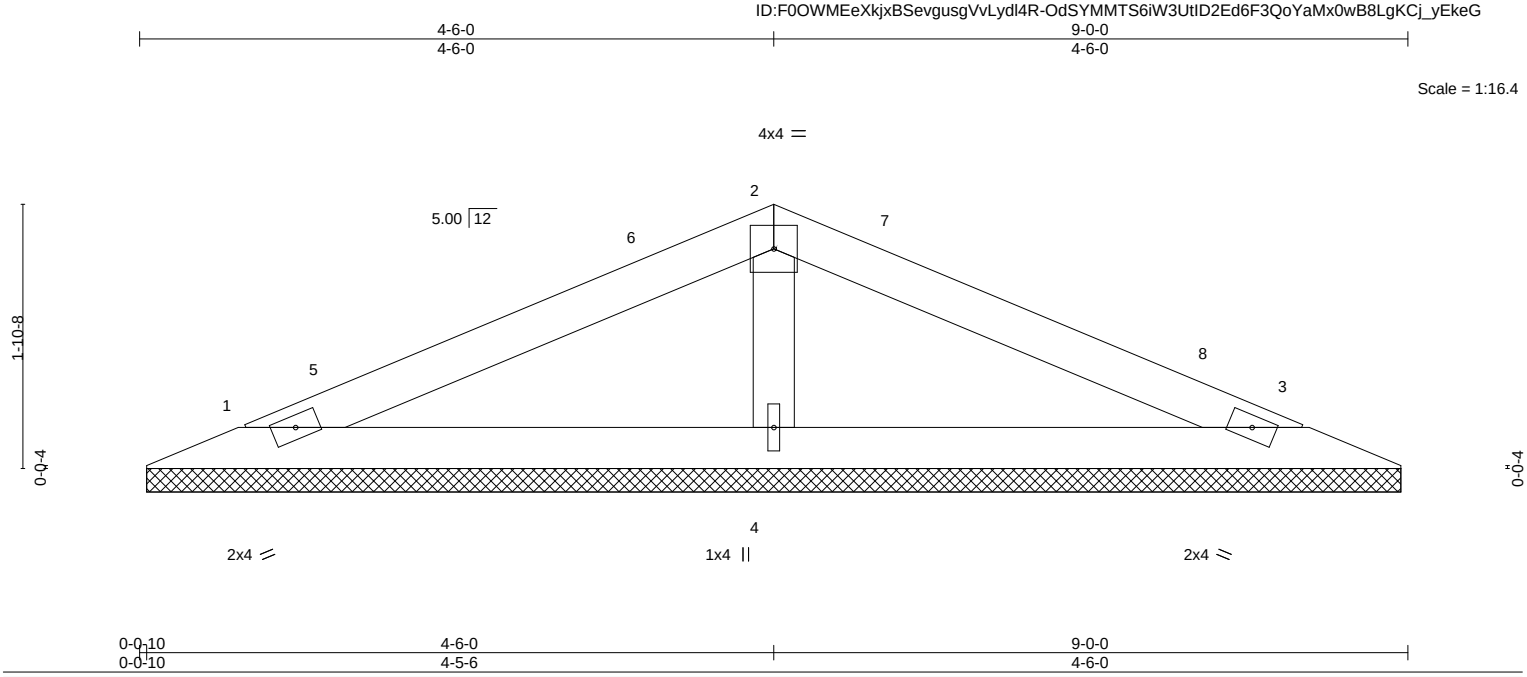

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. (size) 1=8-10-13, 3=8-10-13, 4=8-10-13
Max Horz 1=-22(LC 10)
Max Uplift 1=-28(LC 12), 3=-28(LC 12), 4=-5(LC 12)
Max Grav 1=165(LC 1), 3=165(LC 1), 4=329(LC 1)

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 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 4-6-0, Exterior(2R) 4-6-0 to 7-6-0, Interior(1) 7-6-0 to 8-2-15 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1, 28 lb uplift at joint 3 and 5 lb uplift at joint 4.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V3D	Valley	1	1	R73666378
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:34 2022 Page 1
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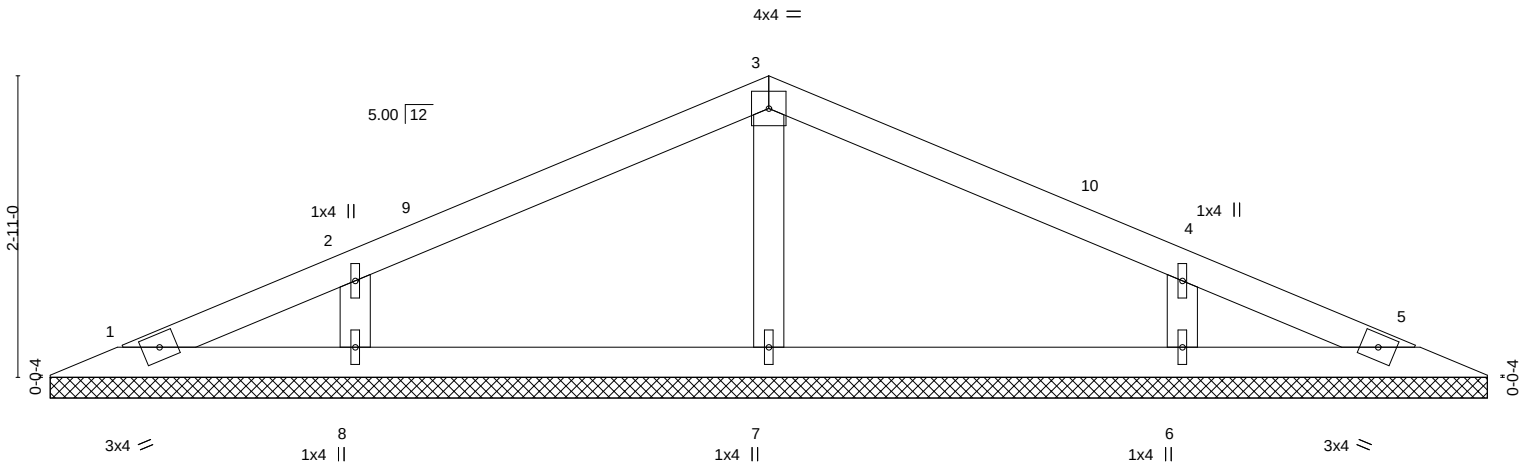


0-0-10 3-0-0 7-0-0 11-0-0 14-0-0
0-0-10 2-11-6 4-0-0 4-0-0 3-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. All bearings 13-10-13.
(lb) - Max Horz 1=-37(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=334(LC 23), 7=320(LC 1), 6=334(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-265/186, 4-6=-265/182

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 7-0-0, Exterior(2R) 7-0-0 to 10-0-0, Interior(1) 10-0-0 to 13-2-15 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
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.

EXPIRES: 12/31/2024
November 28,2022

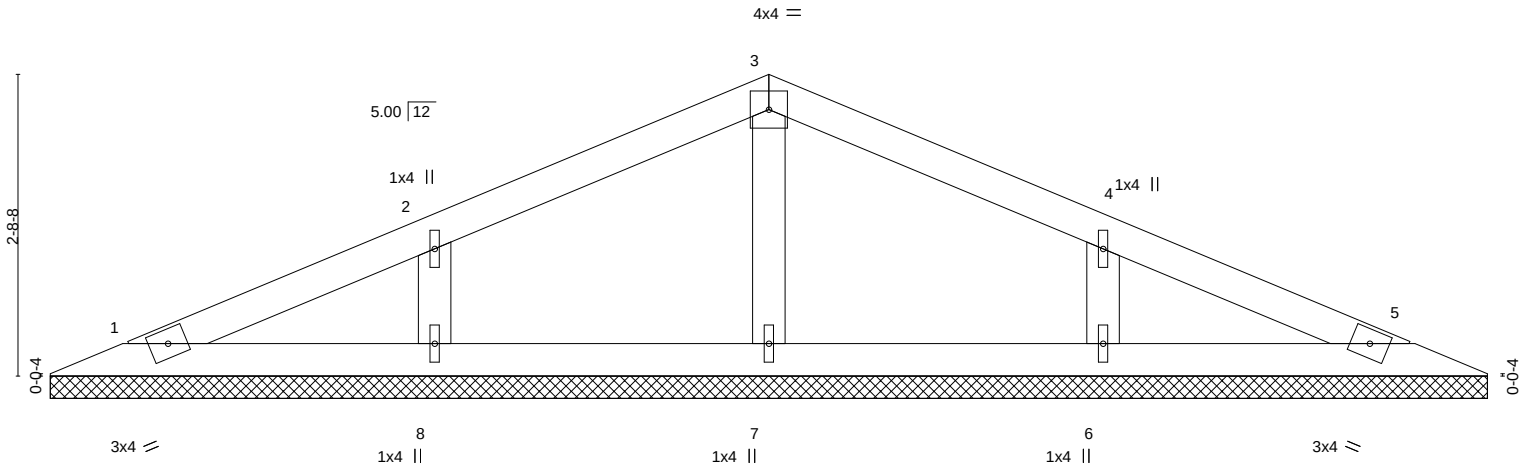
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V3F	Valley	1	1	R73666379
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:36 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-pC7h_OVLOdueLL1ojNBpsi2KOoPODHva1eYsJIyEkeD

3-6-0	6-6-0	9-6-0	13-0-0
3-6-0	3-0-0	3-0-0	3-6-0

Scale = 1:20.7



0-0-10	3-6-0	6-6-0	9-6-0	13-0-0
0-0-10	3-5-6	3-0-0	3-0-0	3-6-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. All bearings 12-10-13.
(lb) - Max Horz 1=-34(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=299(LC 23), 6=299(LC 24)

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 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-6-0, Interior(1) 3-6-0 to 6-6-0, Exterior(2R) 6-6-0 to 9-6-0, Interior(1) 9-6-0 to 12-2-15 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8, 6.
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.

EXPIRES: 12/31/2024
November 28,2022

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V4D	Valley	1	1	R73666380
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:38 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-lbFRP4XbwE8MaeBArnDHx78fQb30hBJtVy1zOByEkeB

5-0-0	9-0-0	13-0-0	18-0-0
5-0-0	4-0-0	4-0-0	5-0-0

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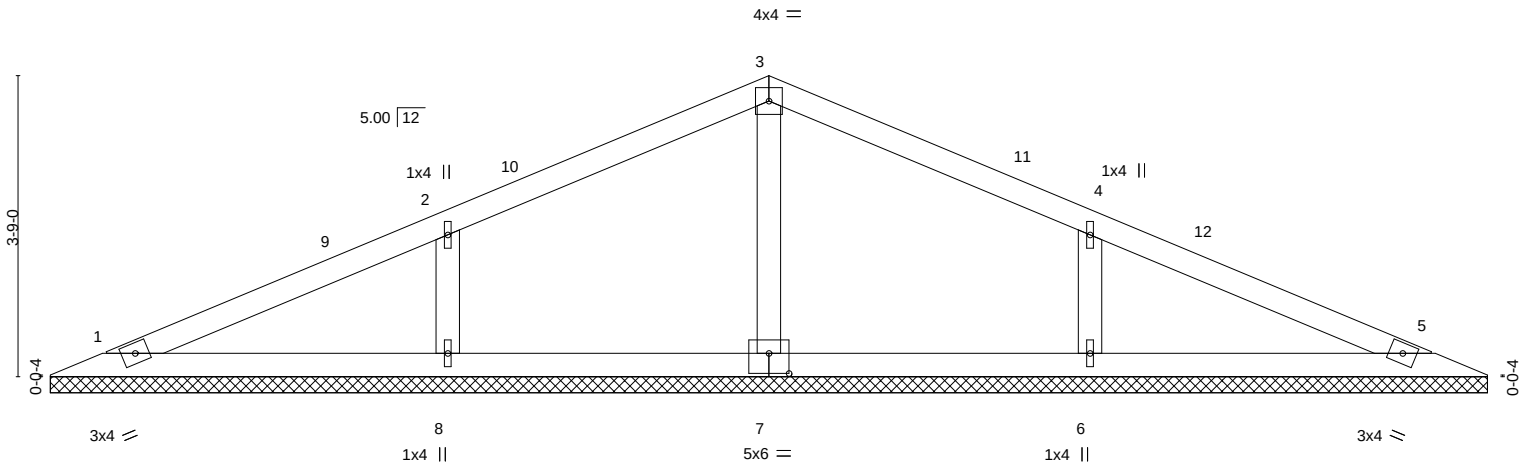


0-0-10	5-0-0	9-0-0	13-0-0	18-0-0
0-0-10	4-11-6	4-0-0	4-0-0	5-0-0

Plate Offsets (X,Y)-- [7:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 48 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. All bearings 17-10-13.
(lb) - Max Horz 1=-49(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=435(LC 23), 7=278(LC 1), 6=435(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-332/185, 4-6=-332/185

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 9-0-0, Exterior(2R) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 17-2-15 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8, 6.
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.

EXPIRES: 12/31/2024
November 28,2022

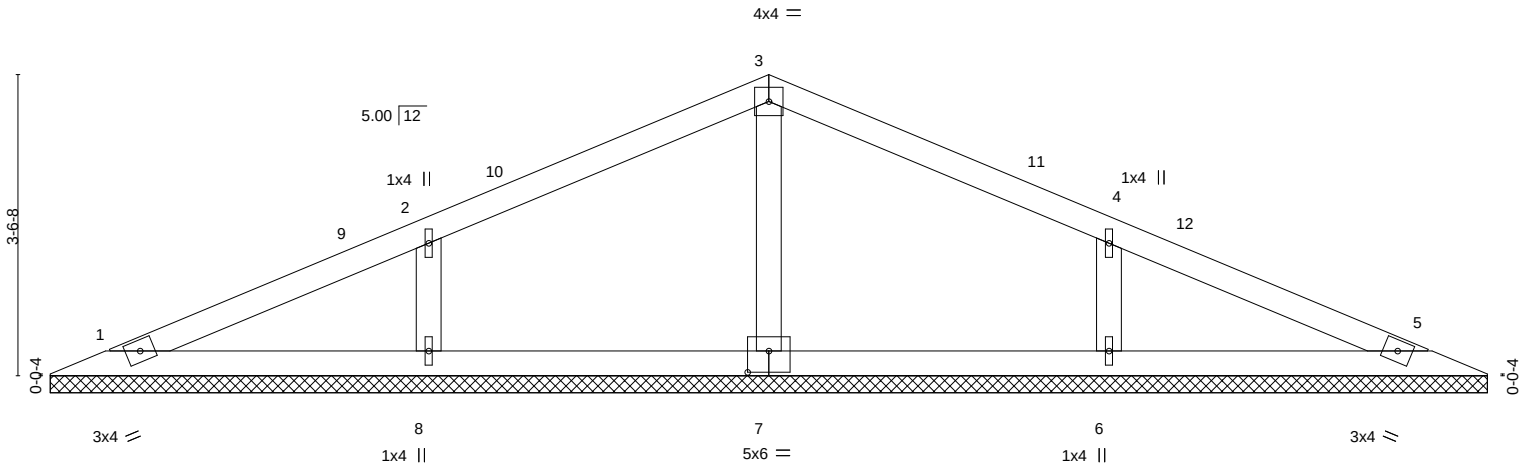
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V4F	Valley	1	1	R73666381
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:40 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-hzNBqlYrSrP4pyKZyCFl1YD?GPlj95qAyGW3T4yEke9

4-6-0	8-6-0	12-6-0	17-0-0
4-6-0	4-0-0	4-0-0	4-6-0

Scale = 1:27.1



0-0-10	4-6-0	8-6-0	12-6-0	17-0-0
0-0-10	4-5-6	4-0-0	4-0-0	4-6-0

Plate Offsets (X,Y)-- [7:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 45 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. All bearings 16-10-13.
(lb) - Max Horz 1=-46(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=404(LC 23), 7=294(LC 1), 6=404(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-311/181, 4-6=-311/181

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 8-6-0, Exterior(2R) 8-6-0 to 11-6-0, Interior(1) 11-6-0 to 16-2-15 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8, 6.
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.

EXPIRES: 12/31/2024
November 28,2022

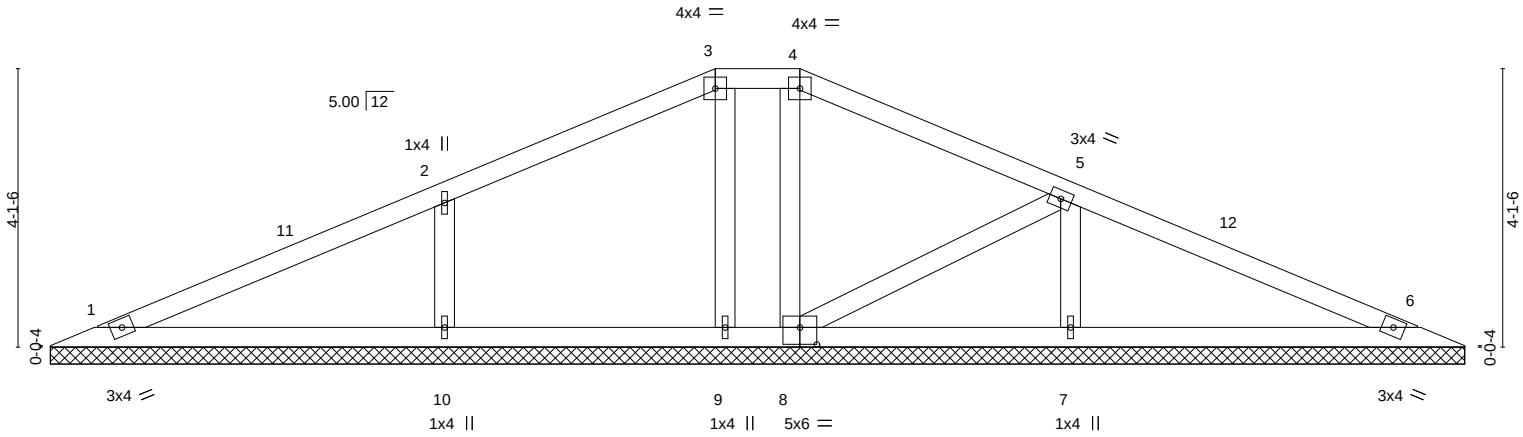
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V5F	Valley	1	1	R73666382
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:41 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydI4R-9Axa25ZUD9XwR6vlWwm_Zlm9kp4yuYxJBwGd?WyEke8

5-10-8	9-10-8	11-1-8	15-1-8	21-0-0
5-10-8	4-0-0	1-3-0	4-0-0	5-10-8

Scale = 1:34.0



0-0-10	5-10-8	9-10-8	11-1-8	15-1-8	21-0-0
0-0-10	5-9-14	4-0-0	1-3-0	4-0-0	5-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 65 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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

REACTIONS. All bearings 20-10-13.
(lb) - Max Horz 1=-54(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 8, 10, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 6, 8, 9 except 10=498(LC 23), 7=460(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-10=-374/162, 5-7=-337/125

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 9-10-8, Exterior(2E) 9-10-8 to 11-1-8, Exterior(2R) 11-1-8 to 15-1-8, Interior(1) 15-1-8 to 20-2-15 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
3) Provide adequate drainage to prevent water ponding.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6, 8, 10, 7.
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.

EXPIRES: 12/31/2024
November 28,2022

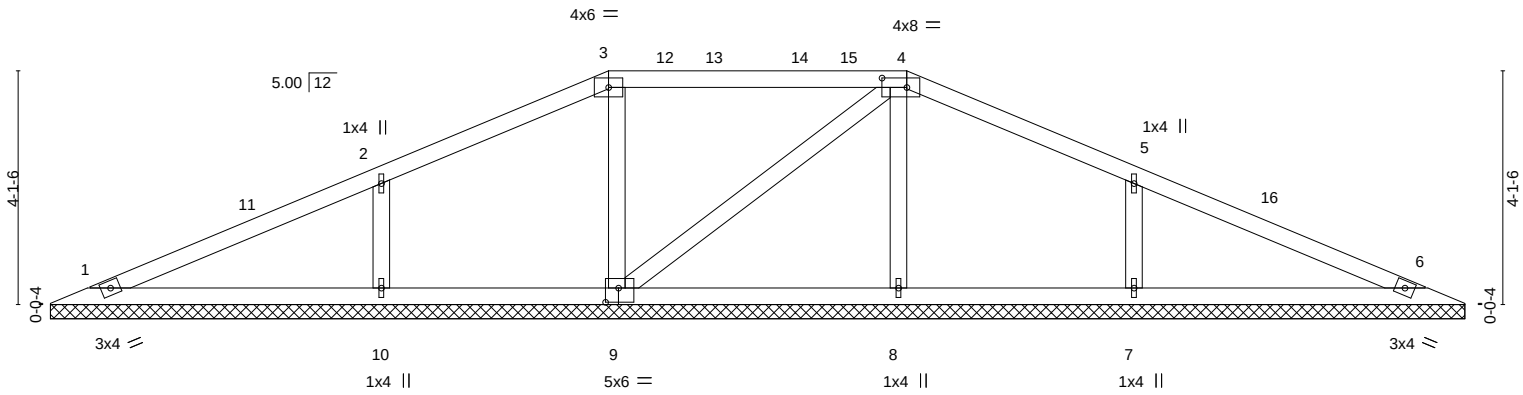
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V6F	Valley	1	1	R73666383
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:43 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-6Y2KSnbklmnegQ38dLpSeArUrcmRMRBceElk3OyEke6

5-10-8	9-10-8	15-1-8	19-1-8	25-0-0
5-10-8	4-0-0	5-3-0	4-0-0	5-10-8

Scale = 1:40.6



0-0-10	5-10-8	9-10-8	15-1-8	19-1-8	25-0-0
0-0-10	5-9-14	4-0-0	5-3-0	4-0-0	5-10-8

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [9:0-2-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 76 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. All bearings 24-10-13.
(lb) - Max Horz 1=-54(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 10, 9, 8, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 10=472(LC 1), 9=402(LC 1), 8=335(LC 24), 7=472(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-10=-355/147, 3-9=-291/88, 4-8=-251/61, 5-7=-355/147

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 9-10-8, Exterior(2R) 9-10-8 to 14-1-7, Interior(1) 14-1-7 to 15-1-8, Exterior(2R) 15-1-8 to 19-1-8, Interior(1) 19-1-8 to 24-2-15 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
3) Provide adequate drainage to prevent water ponding.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6, 10, 9, 8, 7.
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.

EXPIRES: 12/31/2024
November 28,2022

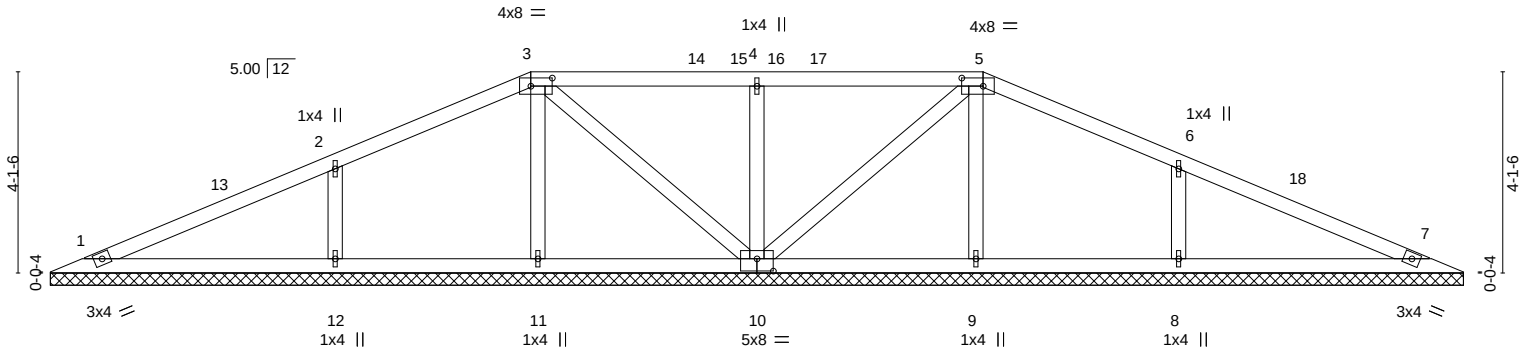
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V7F	Valley	1	1	R73666384
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:45 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-2xA4tTc_HO1MwjDXlmrwkbwrqQRxqKGv6YEq8HyEke4

5-10-8	9-10-8	14-6-0	19-1-8	23-1-8	29-0-0
5-10-8	4-0-0	4-7-8	4-7-8	4-0-0	5-10-8

Scale = 1:47.1



0-0-10	5-10-8	9-10-8	14-6-0	19-1-8	23-1-8	29-0-0
0-0-10	5-9-14	4-0-0	4-7-8	4-7-8	4-0-0	5-10-8

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [5:0-5-4,0-2-0], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 96 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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.

REACTIONS. All bearings 28-10-13.
(lb) - Max Horz 1=-60(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 12, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 12=486(LC 23), 11=264(LC 23), 10=539(LC 1), 9=264(LC 24), 8=486(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-12=-366/152, 4-10=-366/120, 6-8=-366/152

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 9-10-8, Exterior(2R) 9-10-8 to 14-1-7, Interior(1) 14-1-7 to 19-1-8, Exterior(2R) 19-1-8 to 23-1-8, Interior(1) 23-1-8 to 28-2-15 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
3) Provide adequate drainage to prevent water ponding.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 12, 10, 8.
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.

EXPIRES: 12/31/2024
November 28,2022

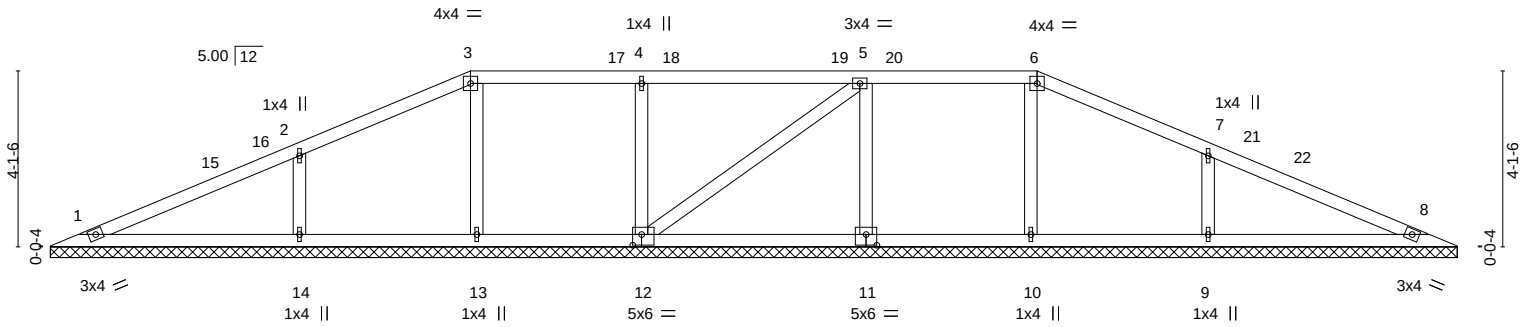
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1708
1708	V8F	Valley	1	1	R73666385
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:13:47 2022 Page 1
ID:F0OWMEeXkjxBSevgusgVvLydl4R-_JIrI9eEp?H491NvsAtOp00BFD7NIFuBZsjxCAyEke2

5-10-8	9-10-8	13-10-8	19-1-8	23-1-8	27-1-8	33-0-0
5-10-8	4-0-0	4-0-0	5-3-0	4-0-0	4-0-0	5-10-8

Scale = 1:53.9



0-0-10	5-10-8	9-10-8	13-10-8	19-1-8	23-1-8	27-1-8	33-0-0
0-0-10	5-9-14	4-0-0	4-0-0	5-3-0	4-0-0	4-0-0	5-10-8

Plate Offsets (X,Y)-- [11:0-3-0,0-3-0], [12:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 103 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std

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

REACTIONS. All bearings 32-10-13.
(lb) - Max Horz 1=-64(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 14, 13, 12, 11, 9
Max Grav All reactions 250 lb or less at joint(s) 1, 8 except 14=557(LC 17), 13=346(LC 17), 12=532(LC 18), 11=485(LC 17), 10=324(LC 18), 9=557(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-14=-370/158, 4-12=-345/120, 5-11=-318/104, 7-9=-370/158

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 4-0-8, Interior(1) 4-0-8 to 9-10-8, Exterior(2R) 9-10-8 to 14-6-5, Interior(1) 14-6-5 to 23-1-8, Exterior(2R) 23-1-8 to 27-9-5, Interior(1) 27-9-5 to 32-2-15 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
3) Provide adequate drainage to prevent water ponding.
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 14, 13, 12, 11, 9.
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.

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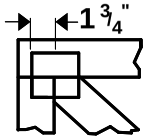
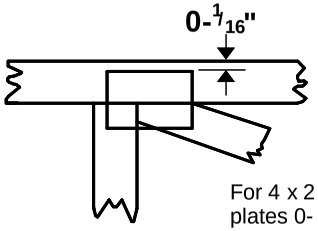
Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

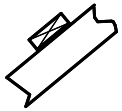
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

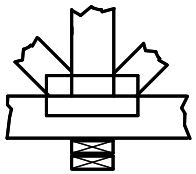
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

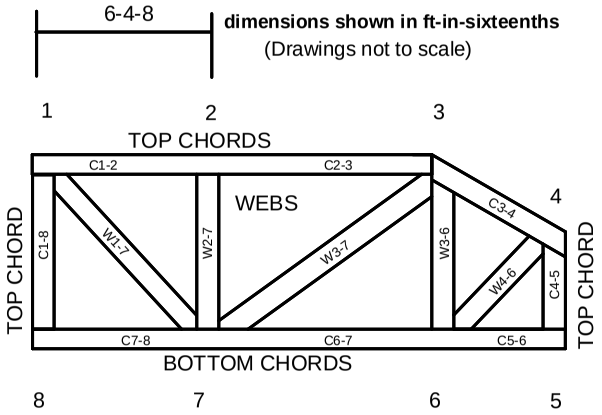


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

21.The design does not take into account any dynamic or other loads other than those expressly stated.