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

Re: 1289
KB Home 1289

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: R73666197 thru R73666287

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.

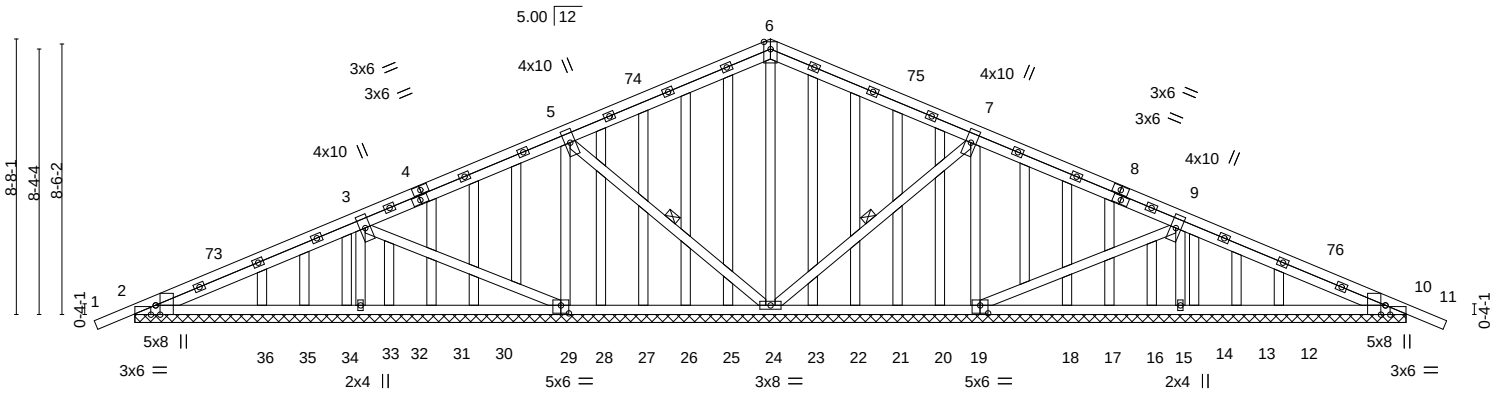
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1E	GABLE	1	1	R73666197
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:19 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-26nNxn5XyzeGYw85FcDnxVvOzBfeWxglx9oloiyEkiE

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

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	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], [10:0-1-13,Edge], [10:0-3-8,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	0.16	Vert(LL)	0.01	11	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	0.02	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.01	17	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: 26-27,21-22.
WEBS	1 Row at midpt 5-24, 7-24

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=-158(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 35, 13 except 2=-358(LC 35), 29=-196(LC 35), 33=-468(LC 35), 24=-118(LC 12), 19=-196(LC 36), 15=-468(LC 36), 10=-358(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 25, 26, 27, 28, 30, 31, 32, 34, 35, 36, 23, 22, 21, 20, 18, 17, 16, 14, 13, 12 except 2=457(LC 44), 29=422(LC 47), 33=651(LC 32), 24=565(LC 1), 19=422(LC 48), 15=634(LC 33), 10=482(LC 33)

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

TOP CHORD	2-3=-819/731, 3-5=-771/708, 5-6=-523/541, 6-7=-523/556, 7-9=-752/724, 9-10=-790/742
BOT CHORD	2-36=-645/716, 35-36=-412/491, 34-35=-320/400, 33-34=-245/325, 32-33=-213/292, 29-30=-208/287, 28-29=-208/272, 24-25=-243/307, 23-24=-218/298, 19-20=-183/263, 14-15=-215/278, 13-14=-290/353, 12-13=-382/445, 10-12=-632/677
WEBS	3-33=-703/469, 5-29=-544/387, 6-24=-418/59, 7-19=-543/370, 9-15=-706/473, 3-29=-455/474, 5-24=-382/374, 7-24=-381/368, 9-19=-456/474

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) 35, 13 except (jt=lb) 2=358, 29=196, 33=468, 24=118, 19=196, 15=468, 10=358.
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.

EXPIRES: 12/31/2024
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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1E	GABLE	1	1	R73666197 Job Reference (optional)

NOTES-

11) This truss has been designed for a total drag load of 2500 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 62.5 plf.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
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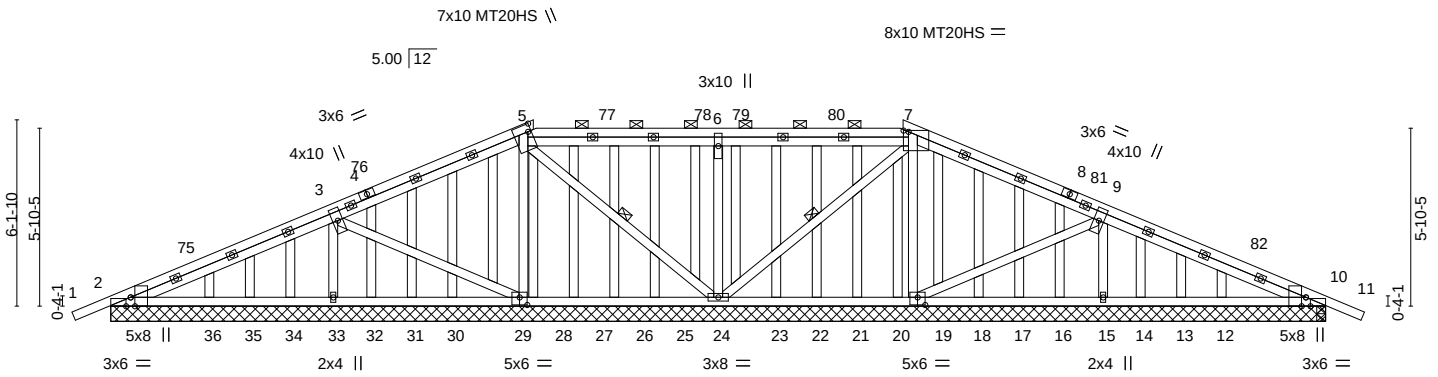
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1EB	GABLE	1	1	R73666198
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:27 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-peFOdWCY3Qf7W9mdjIMfFBEmcQOQOaUwnPkB4EyEki6

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

Scale = 1:75.9

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



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], [7:0-2-0,0-0-8], [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	0.16	Vert(CT)	-0.01	2-36	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	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 10)
Max Uplift All uplift 100 lb or less at joint(s) 29, 19, 35, 13 except 2=-356(LC 35), 33=-456(LC 35), 24=-177(LC 36), 15=-449(LC 36), 10=-368(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 28, 30, 31, 32, 34, 35, 36, 27, 26, 25, 23, 22, 21, 20, 18, 17, 16, 14, 13, 12 except 2=439(LC 44), 33=672(LC 32), 24=673(LC 1), 15=653(LC 33), 10=476(LC 33), 10=336(LC 1), 29=362(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=-817/716, 3-5=-665/662, 5-6=-380/495, 6-7=-381/496, 7-9=-678/680, 9-10=-776/730
BOT CHORD	2-36=-628/681, 35-36=-436/498, 34-35=-345/406, 33-34=-270/331, 29-30=-210/272, 24-25=-276/328, 23-24=-272/324, 14-15=-249/298, 13-14=-332/373, 12-13=-416/465, 10-12=-620/661
WEBS	3-33=-699/493, 6-24=-485/162, 9-15=-693/464, 5-24=-426/384, 7-24=-420/378, 5-29=-361/211, 7-19=-354/204, 3-29=-464/461, 9-19=-458/451

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, 35 except (jt=lb) 2=356, 33=456.

EXPIRES: 12/31/2024
November 28,2022

Continued on page 2

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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 2500 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 62.5 plf.
14) 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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Roseville, CA 95661

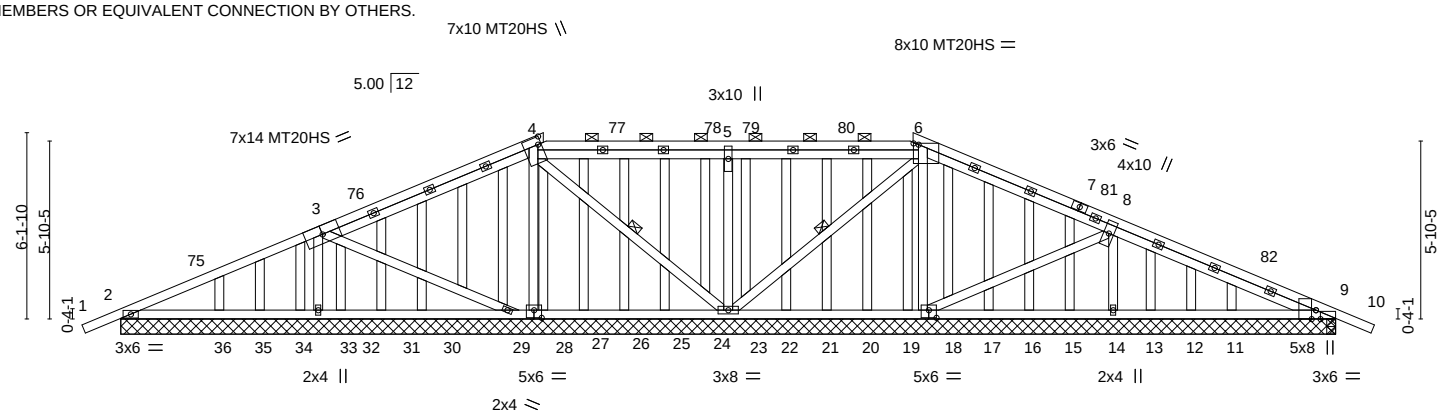
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1EBP	GABLE	1	1	R73666199
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:34 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-6_B15vHxQaX7sEozdG_I2g1t7Em6XkAyO?x2qKyEki?

1-2-0	6-6-0	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	6-6-0	7-2-13	0-3-3	6-0-0	6-0-0	0-3-3	6-4-15	7-3-14	1-2-0

Scale = 1:75.9

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



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

Plate Offsets (X,Y)-- [4:0-3-0,0-1-4], [6:0-2-0,0-0-8], [9:0-1-13,Edge], [9:0-3-8,Edge], [18:0-3-0,0-3-0], [28:0-3-0,0-3-0]

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	0.49	Vert(LL)	-0.01	2-36	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.01	2-36	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.01	2-36	>999	240	Weight: 297 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.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 30-31,25-26,20-21.
WEBS	1 Row at midpt 4-23, 6-23

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=-111(LC 32)
Max Uplift All uplift 100 lb or less at joint(s) 18, 35, 12 except 2=-300(LC 35), 33=-524(LC 35), 23=-174(LC 35), 14=-450(LC 36), 28=-238(LC 35), 29=-159(LC 36), 9=-368(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 27, 30, 31, 32, 34, 35, 36, 26, 25, 24, 22, 21, 20, 19, 17, 16, 15, 13, 12, 11 except 2=374(LC 44), 33=687(LC 32), 23=674(LC 1), 14=654(LC 33), 28=294(LC 32), 18=358(LC 1), 29=282(LC 31), 9=476(LC 33), 9=337(LC 1)

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

TOP CHORD	2-3=-681/590, 3-4=-710/693, 4-5=-378/491, 5-6=-388/501, 6-8=-683/684, 8-9=-778/732
BOT CHORD	2-36=-539/584, 35-36=-356/381, 34-35=-265/293, 32-33=-177/273, 29-30=-234/329, 23-24=-274/326, 22-23=-268/321, 13-14=-250/301, 12-13=-333/376, 11-12=-417/467, 9-11=-621/662
WEBS	3-33=-758/550, 5-23=-483/161, 8-14=-695/466, 4-28=-369/217, 6-18=-356/205, 3-29=-525/513, 8-18=-459/453, 4-23=-432/386, 6-23=-421/380

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) 35 except (jt=lb) 2=300, 33=524, 28=238, 29=159.
11) N/A

EXPIRES: 12/31/2024
November 28,2022

Continued on page 2

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

NOTES-

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 2500 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 62.5 plf.
14) 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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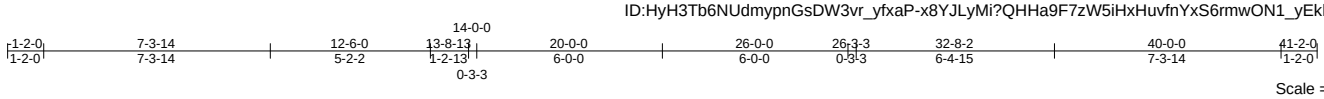
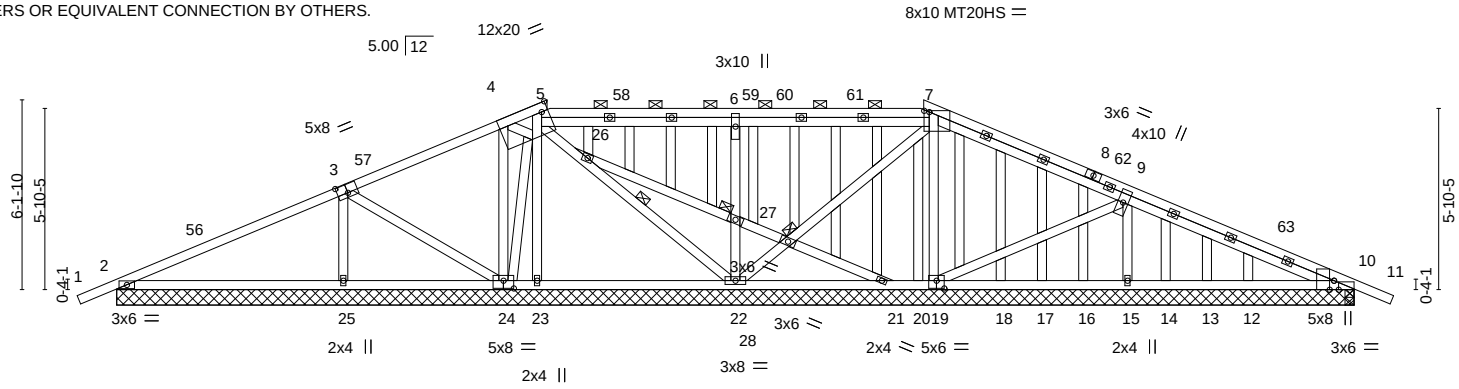
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1EBPX	GABLE	1	1	R73666200
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:40 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-x8YJLyMi?QHHa9F7zW5iHxHuvfnYxS6rmwON1_yEkhv



Scale = 1:74.5

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



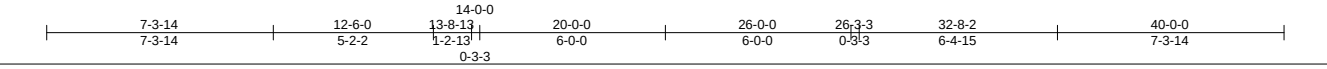


Plate Offsets (X,Y)-- [3:0-4-0,0-3-4], [5:0-2-8,Edge], [7:0-2-0,0-0-8], [10:0-1-13,Edge], [10:0-3-8,Edge], [19:0-3-0,0-3-0], [24:0-4-0,0-3-0]

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	0.53	Vert(LL)	-0.07	2-25	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.17	2-25	>519	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.03	2-25	>999	240	Weight: 264 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: 17-18.
WEBS	1 Row at midpt 5-22
JOINTS	1 Brace at Jt(s): 27, 28

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=-109(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 19, 13 except 2=-320(LC 35), 25=-424(LC 35), 22=-193(LC 35), 15=-492(LC 36), 24=-200(LC 36), 10=-381(LC 36), 20=-119(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 21, 18, 17, 16, 14, 13, 12 except 2=461(LC 32), 25=831(LC 32), 22=698(LC 48), 15=698(LC 33), 24=313(LC 1), 23=307(LC 3), 19=374(LC 1), 10=490(LC 33), 10=339(LC 1)

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

TOP CHORD	2-3=-679/624, 3-4=-561/578, 4-5=-169/269, 5-6=-265/359, 6-7=-534/633, 7-9=-774/769, 9-10=-816/767
BOT CHORD	2-25=-544/598, 24-25=-200/252, 23-24=-252/294, 22-23=-319/364, 21-22=-252/306, 20-21=-214/276, 19-20=-251/313, 15-16=-205/259, 14-15=-282/336, 13-14=-365/411, 12-13=-449/503, 10-12=-653/691
WEBS	3-25=-704/516, 22-27=-493/167, 6-27=-493/170, 9-15=-740/508, 7-19=-368/216, 22-26=-289/265, 22-28=-484/449, 7-28=-474/440, 3-24=-544/515, 5-24=-251/201, 9-19=-503/501

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 13-10-7, Exterior(2R) 13-10-7 to 19-6-5, Interior(1) 19-6-5 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.

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

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400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=320, 25=424, 24=200.
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 2500 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 62.5 plf.
14) 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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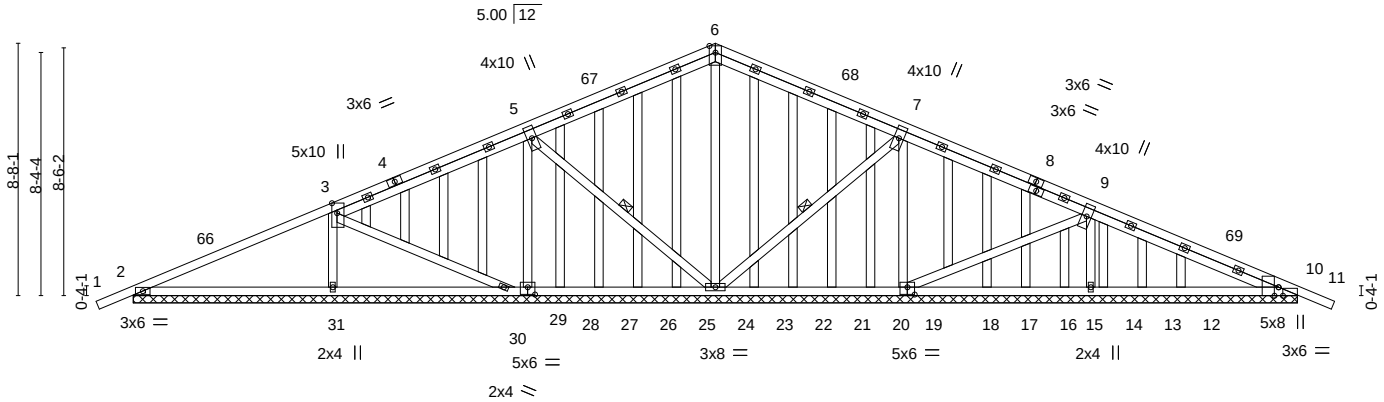
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1EP	GABLE	1	1	R73666201
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:45 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-I6LCPgPqqywagw84m4gt___IrgVNbh5awC58iByEkhq

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

Scale = 1:79.2

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



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

Plate Offsets (X,Y)-- [3:0-4-2,Edge], [10:0-1-13,Edge], [10:0-3-8,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	0.52	Vert(LL)	0.01	11	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	0.02	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							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: 21-22.
WEBS	1 Row at midpt 5-24, 7-24

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=-158(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 13 except 2=-307(LC 35), 29=-454(LC 35), 24=-120(LC 35), 19=-198(LC 36), 15=-470(LC 36), 30=-108(LC 36), 31=-451(LC 35), 10=-359(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 25, 26, 27, 28, 23, 22, 21, 20, 18, 17, 16, 14, 13, 12 except 2=436(LC 44), 29=432(LC 32), 24=564(LC 1), 19=422(LC 48), 15=635(LC 33), 30=370(LC 33), 31=881(LC 32), 10=482(LC 33)

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

TOP CHORD	2-3=-697/628, 3-5=-756/696, 5-6=-517/534, 6-7=-531/563, 7-9=-757/729, 9-10=-791/744
BOT CHORD	2-31=-554/610, 30-31=-246/342, 29-30=-229/293, 28-29=-193/256, 24-25=-260/324, 23-24=-213/293, 19-20=-186/267, 14-15=-217/281, 13-14=-292/356, 12-13=-384/447, 10-12=-634/679
WEBS	5-29=-546/394, 6-24=-419/64, 7-19=-547/373, 9-15=-708/475, 5-24=-388/381, 7-24=-384/372, 9-19=-458/476, 3-30=-525/531, 3-31=-777/535

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) 13 except (jt=lb) 2=307, 29=454, 24=120, 19=198, 15=470, 30=108, 31=451, 10=359.
10) 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.

EXPIRES: 12/31/2024
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Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1EP	GABLE	1	1	R73666201 Job Reference (optional)

NOTES-

11) This truss has been designed for a total drag load of 2500 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 62.5 plf.

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Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1EPX	GABLE	1	1	R73666202
					Job Reference (optional)

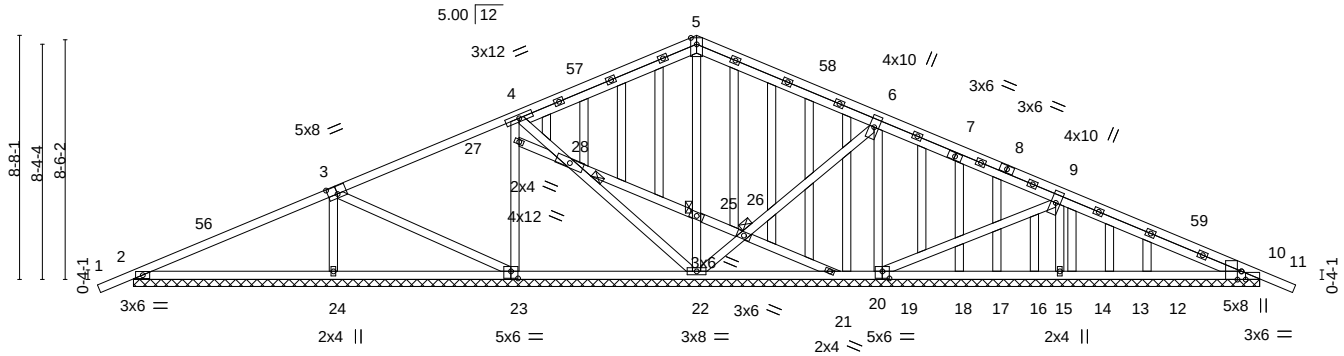
US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:50 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-e385SNTzfVYsmh02ZdG2h2hclhBDGzTJ3UpuNPyEkhl

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

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

5x8 ||

Scale = 1:81.8



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)-- [3:0-4-0,0-3-4], [10:0-3-8,Edge], [10:0-1-13,Edge], [19:0-3-0,0-3-0], [23:0-3-0,0-3-0]

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	0.51	Vert(LL)	0.01	11	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	0.02	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.49	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 266 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: 17-18.
JOINTS	1 Brace at Jt(s): 25, 26, 28

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=158(LC 33)
Max Uplift All uplift 100 lb or less at joint(s) 13 except 2=-320(LC 35), 23=-232(LC 35), 24=-375(LC 35), 22=-103(LC 36), 19=-198(LC 36), 15=-462(LC 36), 10=-356(LC 36), 20=-302(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 18, 17, 16, 14, 13, 12 except 2=456(LC 44), 23=562(LC 32), 24=813(LC 32), 22=710(LC 1), 19=421(LC 48), 15=629(LC 33), 21=364(LC 3), 10=480(LC 33)

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

TOP CHORD	2-3=-700/629, 3-4=-638/590, 4-5=-520/527, 5-6=-530/547, 6-9=-757/713, 9-10=-786/738
BOT CHORD	2-24=-551/611, 23-24=-308/383, 22-23=-355/401, 21-22=-251/289, 18-19=-183/256, 14-15=-209/282, 13-14=-284/357, 12-13=-375/449, 10-12=-625/674
WEBS	3-24=-694/460, 23-27=-631/473, 4-27=-582/437, 22-25=-387/61, 5-25=-387/62, 6-19=-545/373, 9-15=-708/467, 3-23=-476/478, 4-28=-407/359, 22-28=-481/426, 22-26=-399/385, 6-26=-397/383, 9-19=-435/464

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) 13 except (jt=lb) 2=320, 23=232, 24=375, 22=103, 19=198, 15=462, 10=356, 20=302.
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

EXPIRES: 12/31/2024
November 28,2022

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A1EPX	GABLE	1	1	R73666202 Job Reference (optional)

NOTES-

11) This truss has been designed for a total drag load of 2500 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 62.5 plf.

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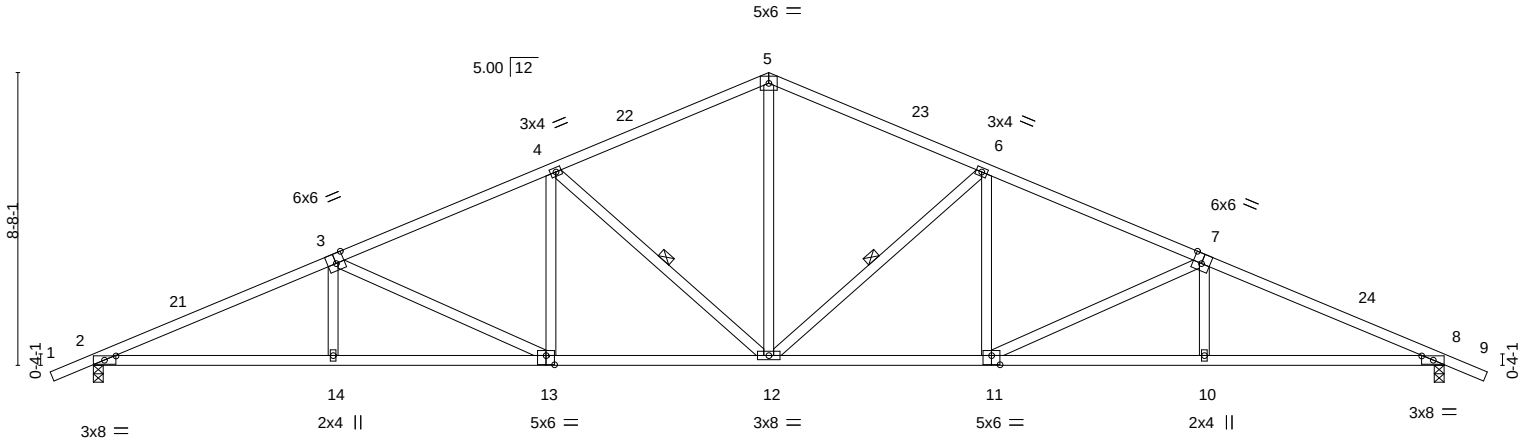
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A2	COMMON	7	1	R73666203
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:54 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-XrObHlWUij2IFIKpoTL_rusHNIUBCikv_6n6WAyEkhh

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 = 1:68.2



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)-- [2:0-4-2,0-1-8], [3:0-3-0,Edge], [7:0-3-0,Edge], [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	0.53	Vert(LL)	-0.18	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.53	12-13	>908	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)	0.21	13-14	>999	240	Weight: 162 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 6-12, 4-12

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-161(LC 32)
Max Uplift 2=-708(LC 35), 8=-708(LC 36)
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=-4390/1641, 3-4=-3403/1216, 4-5=-2396/770, 5-6=-2396/784, 6-7=-3404/1221, 7-8=-4395/1649
BOT CHORD 2-14=-1457/3959, 13-14=-1071/3609, 12-13=-607/2816, 11-12=-587/2816, 10-11=-1057/3614, 8-10=-1443/3964
WEBS 5-12=-126/1351, 6-12=-927/169, 6-11=0/537, 7-11=-767/140, 7-10=0/277, 4-12=-927/171, 4-13=0/537, 3-13=-767/136, 3-14=0/277

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) 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) 8=708.
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 has been designed for a total drag load of 2400 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 60.0 plf.
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

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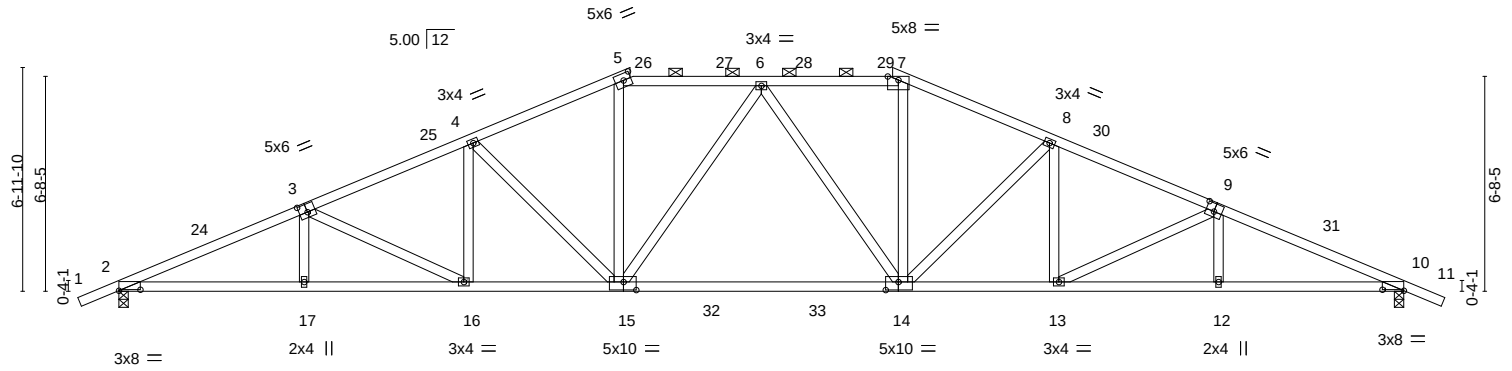
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A2B	HIP	1	1	R73666204
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:57 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-xQ3kwmZM?eQt6m2OTbuhTWUrJWUbP5ULg4?m7VyEkhe

1-2-0	5-9-3	10-10-10	15-8-8	16-0-0	20-0-0	24-0-0	24-3-3	29-1-6	34-2-13	40-0-0	41-2-0
1-2-0	5-9-3	5-1-6	4-9-14	0-3-8	4-0-0	4-0-0	0-3-3	4-10-3	5-1-6	5-9-3	1-2-0

Scale = 1:71.7



5-9-3	10-10-10	15-8-8	16-0-0	24-0-0	24-3-3	29-1-6	34-2-13	40-0-0
5-9-3	5-1-6	4-9-14	0-3-8	8-0-0	0-3-3	4-10-3	5-1-6	5-9-3

Plate Offsets (X,Y)-- [2:0-8-0,0-0-6], [3:0-3-0,0-3-0], [5:0-2-13,0-2-8], [9:0-3-0,0-3-0], [10:0-8-0,0-0-6], [14:0-4-12,0-3-0], [15:0-4-12,0-3-0]

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	0.36	Vert(LL)	-0.37	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.79	14-15	>605	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.21	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.18	14-15	>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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-1-7 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-128(LC 10)
Max Uplift 2=-206(LC 12), 10=-206(LC 12)
Max Grav 2=2041(LC 17), 10=2041(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4396/472, 3-4=-3751/464, 4-5=-3173/429, 5-6=-2905/422, 6-7=-2902/422, 7-8=-3170/429, 8-9=-3751/464, 9-10=-4394/471
BOT CHORD 2-17=-358/4107, 16-17=-359/4103, 15-16=-282/3484, 14-15=-226/3058, 13-14=-293/3397, 12-13=-371/4002, 10-12=-368/4010
WEBS 3-16=-687/87, 4-16=0/427, 8-13=0/429, 9-13=-684/88, 5-15=-71/1004, 7-14=-71/1010, 4-15=-767/148, 8-14=-769/148, 6-15=-379/91, 6-14=-384/92

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 15-6-12, Exterior(2R) 15-6-12 to 21-2-10, Interior(1) 21-2-10 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) 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 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.
9) 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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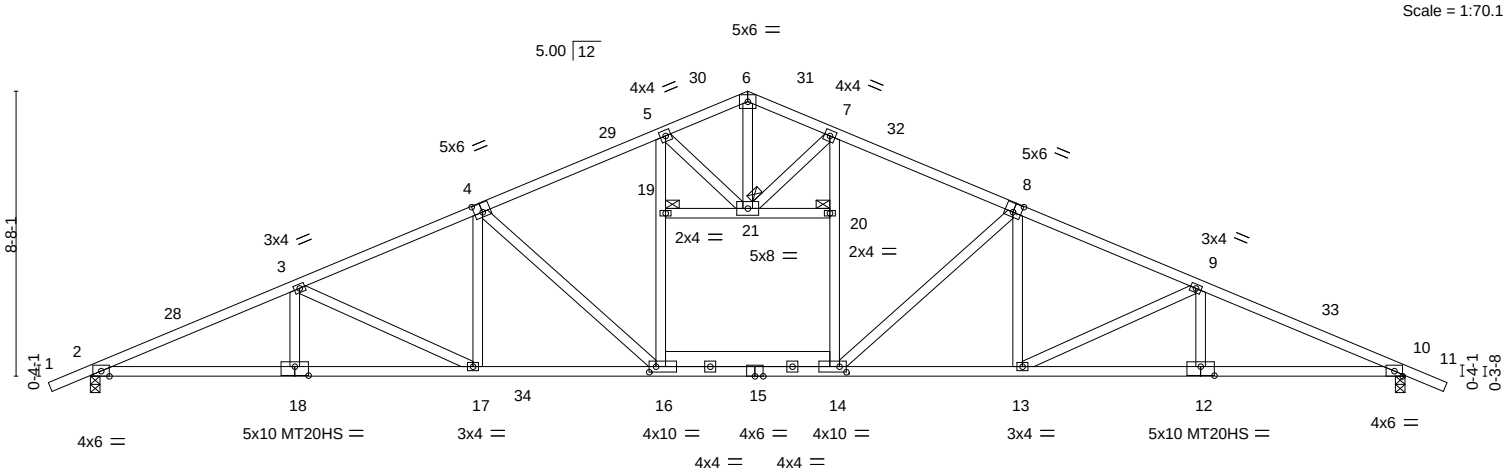
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A2M	ROOF TRUSS	5	1	R73666205
					Job Reference (optional)

8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 11:55:11 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-dHmP9f_PC16N?PajQFOgR0b74pV5iez1VxqssZyEdtU

1-2-0	6-2-10	11-9-7	17-4-4	20-0-0	22-7-12	28-2-9	33-9-6	40-0-0	41-2-0
1-2-0	6-2-10	5-6-13	5-6-13	2-7-12	2-7-12	5-6-13	5-6-13	6-2-10	1-2-0

Scale = 1:70.1



6-2-10	11-9-7	17-4-4	22-7-12	28-2-9	33-9-6	40-0-0
6-2-10	5-6-13	5-6-13	5-3-8	5-6-13	5-6-13	6-2-10

Plate Offsets (X,Y)-- [4:0-3-0,0-3-4], [8:0-3-0,0-3-4], [12:0-5-0,0-3-4], [14:0-2-8,0-2-0], [16:0-2-8,0-2-0], [18:0-5-0,0-3-4]

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)	-0.33	16-17	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.67	16-17	>722	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.21	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.18	14-16	>999	240	Weight: 187 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
14-16: 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
8-14,4-16: 2x4 SPF 1650F 1.5E, 5-16: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 19, 20, 21

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=161(LC 11)
Max Uplift 2=-131(LC 12), 10=-131(LC 12)
Max Grav 2=2161(LC 17), 10=2146(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4664/251, 3-4=-3991/230, 4-5=-3279/215, 5-6=-2338/191, 6-7=-2344/191, 7-8=-3265/215, 8-9=-3944/230, 9-10=-4629/251
BOT CHORD 2-18=-150/4378, 17-18=-150/4378, 16-17=-57/3704, 14-16=0/2972, 13-14=-63/3571, 12-13=-156/4225, 10-12=-156/4225
WEBS 14-20=-27/826, 7-20=-27/826, 8-14=-918/137, 8-13=0/516, 9-13=-748/106, 16-19=-27/884, 5-19=-27/883, 4-16=-963/137, 4-17=0/548, 3-17=-734/106, 6-21=-176/1571, 7-21=-1159/142, 5-21=-1202/142

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 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, 20-0-0 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) 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 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A2P	COMMON	1	1	R73666206
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:02 2022 Page 1
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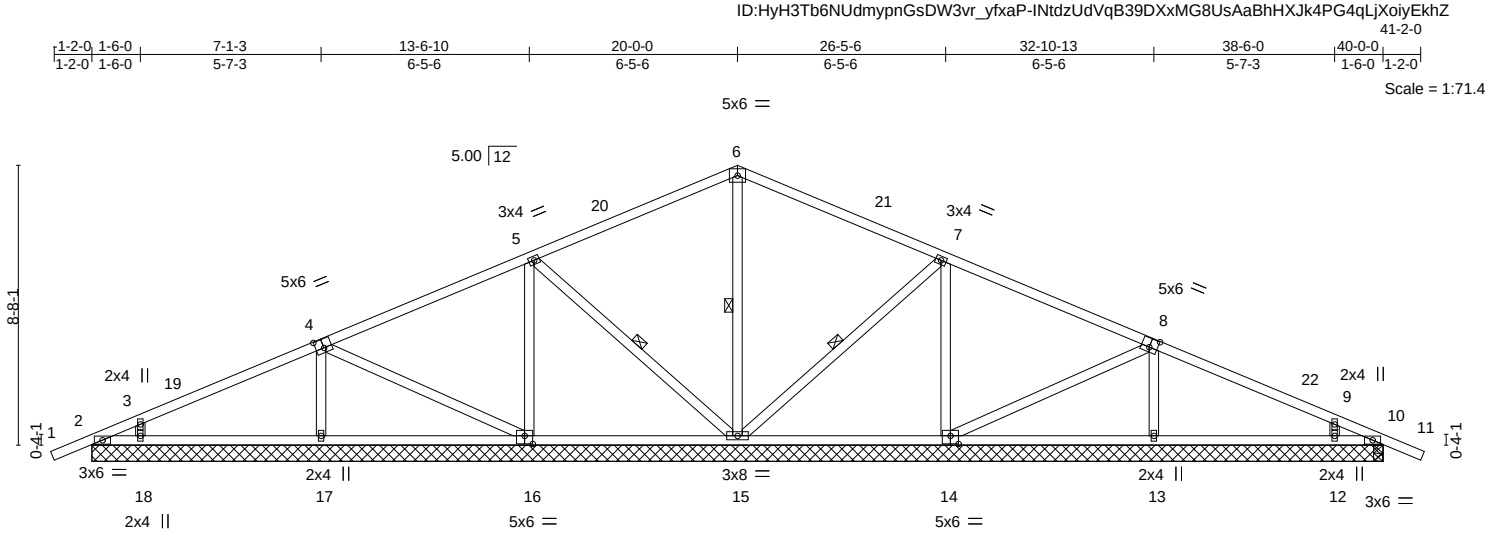


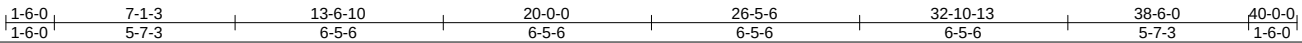


Plate Offsets (X,Y)-- [4:0-3-0,0-3-4], [8:0-3-0,0-3-4], [14:0-3-0,0-3-0], [16:0-3-0,0-3-0]

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	0.41	Vert(LL)	-0.02	13-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.50	Horz(CT)	0.01	13	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.00	12-13	>999	240	Weight: 162 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.
WEBS 1 Row at midpt 6-15, 7-15, 5-15

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 2=-161(LC 32)
Max Uplift All uplift 100 lb or less at joint(s) 15, 18, 12 except 2=-308(LC 35), 16=-182(LC 35), 14=-179(LC 36), 13=-391(LC 36), 17=-388(LC 35), 10=-340(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 10 except 2=317(LC 34), 16=524(LC 32), 15=677(LC 1), 14=512(LC 48), 13=738(LC 33), 17=756(LC 32), 18=371(LC 47), 12=368(LC 48), 10=324(LC 43)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-750/700, 3-4=-674/560, 4-5=-709/642, 5-6=-508/511, 6-7=-511/529, 7-8=-695/657, 8-9=-617/571, 9-10=-668/632
BOT CHORD 2-18=-610/686, 17-18=-526/592, 16-17=-293/364, 15-16=-297/364, 14-15=-261/358, 13-14=-230/299, 12-13=-473/538, 10-12=-554/623
WEBS 6-15=-415/78, 7-15=-444/430, 7-14=-602/420, 8-14=-486/513, 8-13=-663/467, 5-15=-446/440, 5-16=-606/438, 4-16=-483/513, 4-17=-662/462, 3-18=-305/133, 9-12=-309/153

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) 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) 15, 18 except (jt=lb) 2=308, 16=182, 17=388.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14, 13, 12, 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 has been designed for a total drag load of 2500 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 62.5 plf.

EXPIRES: 12/31/2024
November 28,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

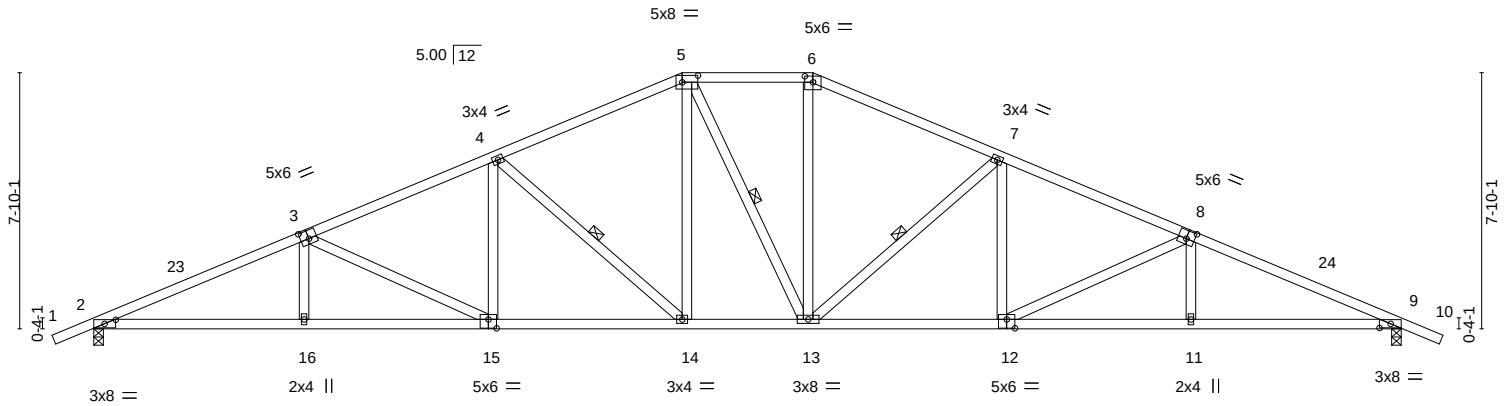
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A3	Hip	1	1	R73666207
					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:HyH3Tb6NUdmypnGsDW3vr_yfxaP-iyYmbVfN76Rk4?gwxH1ZoCpBSkFDHk8WWJxBP1yEkhW

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	>925	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	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: 173 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 4-14, 5-13, 7-13

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-146(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=-3920/457, 3-4=-3282/442, 4-5=-2586/410, 5-6=-2325/411, 6-7=-2588/410, 7-8=-3281/442, 8-9=-3921/457
BOT CHORD 2-16=-337/3554, 15-16=-339/3550, 14-15=-248/2950, 13-14=-131/2322, 12-13=-260/2950, 11-12=-351/3551, 9-11=-349/3555
WEBS 3-15=-663/106, 4-15=0/494, 4-14=-847/157, 5-14=-46/665, 6-13=-50/665, 7-13=-843/157, 7-12=0/492, 8-12=-664/106

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) 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A3B	HIP	1	1	R73666208
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:07 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-eLgW0BheejhSJIpJ3h41tduXfYwKIYmp_dQIUwyEkhU

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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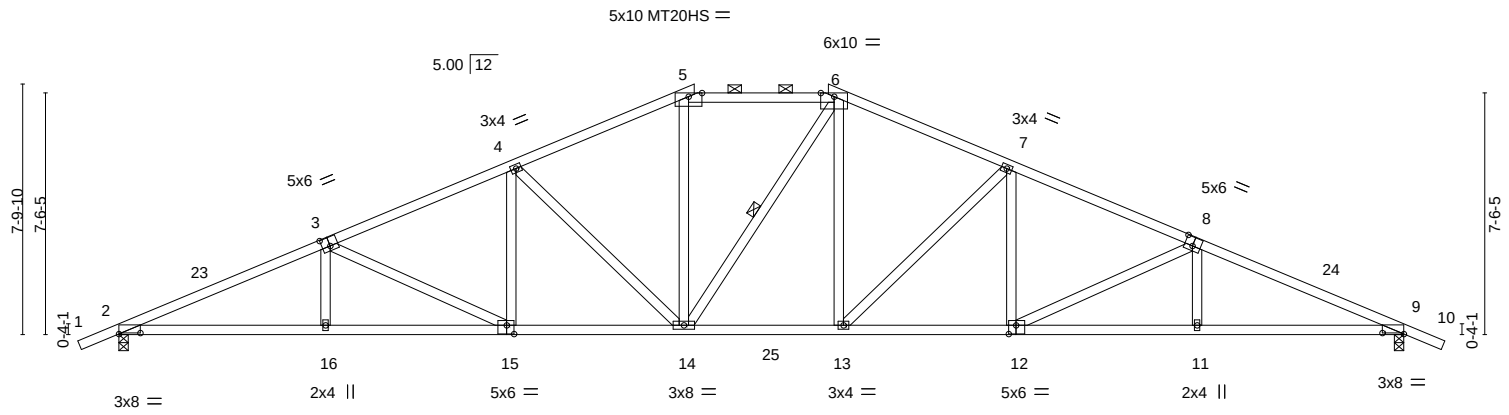

6-5-3	12-2-10	17-8-13	18-0-0	22-0-0	22-3-3	27-9-6	33-6-13	40-0-0
6-5-3	5-9-6	5-6-3	0-3-3	4-0-0	0-3-3	5-6-3	5-9-6	6-5-3

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	0.43	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	12-13	>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	13	>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: 2x4 SPF 1650F 1.5E

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

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=142(LC 11)
Max Uplift 2=-206(LC 12), 9=-206(LC 12)
Max Grav 2=2028(LC 17), 9=2031(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4311/460, 3-4=-3592/445, 4-5=-2903/420, 5-6=-2625/416, 6-7=-2936/421, 7-8=-3598/445, 8-9=-4317/460
BOT CHORD 2-16=-339/4035, 15-16=-341/4028, 14-15=-248/3319, 13-14=-163/2669, 12-13=-262/3245, 11-12=-355/3928, 9-11=-352/3935
WEBS 3-15=-773/106, 4-15=0/536, 7-12=0/536, 8-12=-772/107, 5-14=-55/862, 4-14=-912/148, 6-13=-34/786, 7-13=-840/137

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 17-7-1, Exterior(2E) 17-7-1 to 22-4-2, Exterior(2R) 22-4-2 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) 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.
10) 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

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

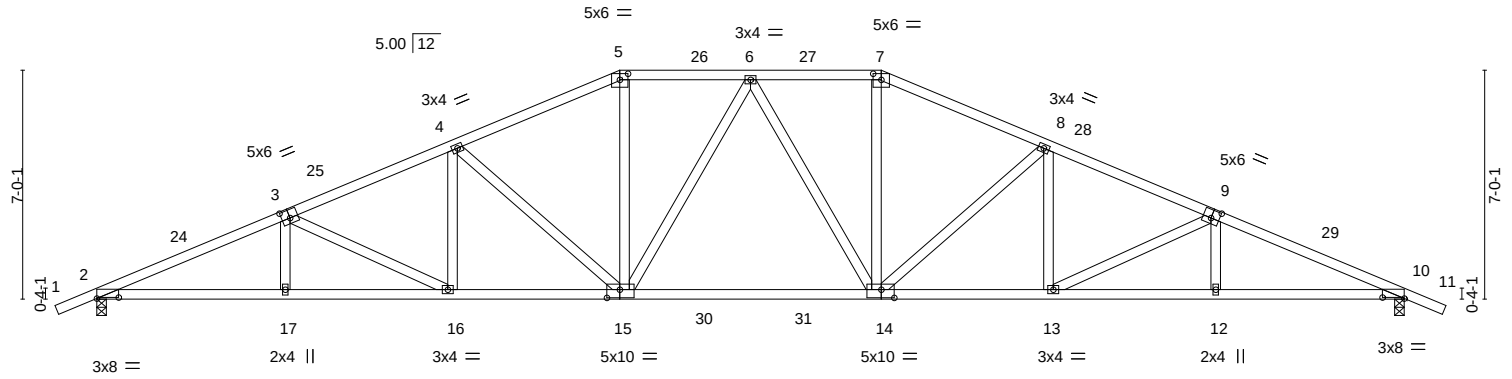
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A4	HIP	1	1	R73666209
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:10 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-3wMeeDjWxe31AmYukqdkVGW2ylwXyxcFgbfy5FyEkhR

1-2-0	5-9-3	10-10-10	16-0-0	20-0-0	24-0-0	29-1-6	34-2-13	40-0-0	41-2-0
1-2-0	5-9-3	5-1-6	5-1-6	4-0-0	4-0-0	5-1-6	5-1-6	5-9-3	1-2-0

Scale = 1:70.5



5-9-3	10-10-10	16-0-0	24-0-0	29-1-6	34-2-13	40-0-0
5-9-3	5-1-6	5-1-6	8-0-0	5-1-6	5-1-6	5-9-3

Plate Offsets (X,Y)-- [2:0-8-0,0-0-6], [3:0-3-0,0-3-0], [5:0-3-0,0-2-4], [7:0-3-0,0-2-4], [9:0-3-0,0-3-0], [10:0-8-0,0-0-6], [14:0-4-12,0-3-0], [15:0-4-12,0-3-0]

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	0.43	Vert(LL)	-0.33	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.73	14-15	>661	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.21	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.19	14	>999	240	Weight: 173 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=-131(LC 10)
Max Uplift 2=-447(LC 35), 10=-447(LC 36)
Max Grav 2=2039(LC 17), 10=2039(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4384/1039, 3-4=-3749/873, 4-5=-3127/676, 5-6=-2828/520, 6-7=-2828/507, 7-8=-3127/669, 8-9=-3749/855, 9-10=-4385/1022
BOT CHORD 2-17=-901/4098, 16-17=-750/4091, 15-16=-531/3487, 14-15=-312/2912, 13-14=-498/3398, 12-13=-719/3993, 10-12=-870/4001
WEBS 3-16=-673/96, 4-16=0/442, 4-15=-817/151, 5-15=-92/904, 7-14=-96/904, 8-14=-817/151, 8-13=0/442, 9-13=-674/99, 6-15=-278/115, 6-14=-278/116

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 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 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 40-0-0 for 30.0 plf.
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

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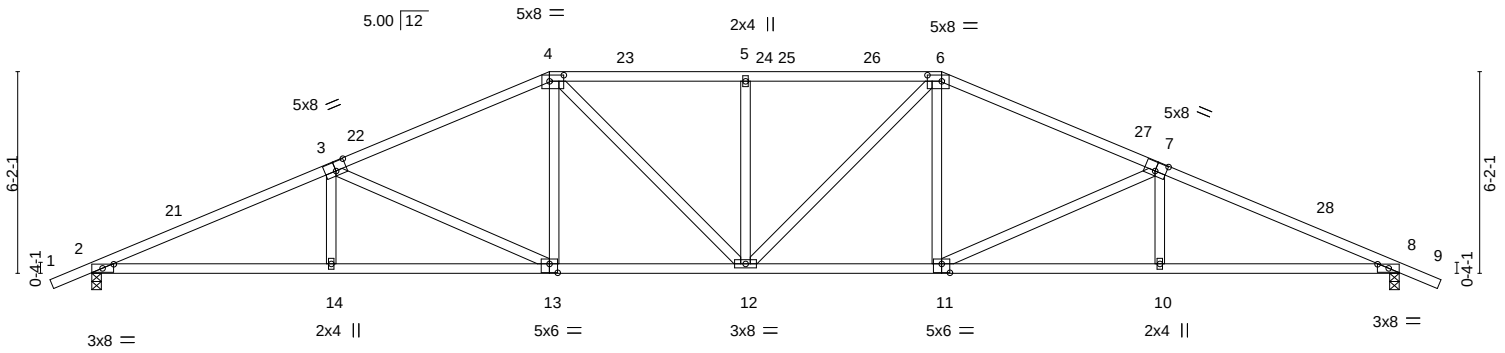
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A5	HIP	1	1	R73666210
					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:HyH3Tb6NUdmypnGsDW3vr_yfxaP-xhb9Uam1?taSfNsfzfigf6hiKMHhujArbDdAE0yEkhN

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	0.53	Vert(LL)	-0.19	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.53	12-13	>902	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.19	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.19	12-13	>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 11)
Max Uplift 2=-435(LC 35), 8=-435(LC 36)
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=-3875/1010, 3-4=-3077/751, 4-5=-3029/643, 5-6=-3029/643, 6-7=-3077/747, 7-8=-3875/986
BOT CHORD 2-14=-870/3506, 13-14=-672/3502, 12-13=-332/2752, 11-12=-320/2752, 10-11=-634/3502, 8-10=-832/3506
WEBS 3-14=0/293, 3-13=-832/170, 4-13=0/558, 4-12=-119/509, 5-12=-437/139, 6-12=-133/509, 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 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 40-0-0 for 30.0 plf.
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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

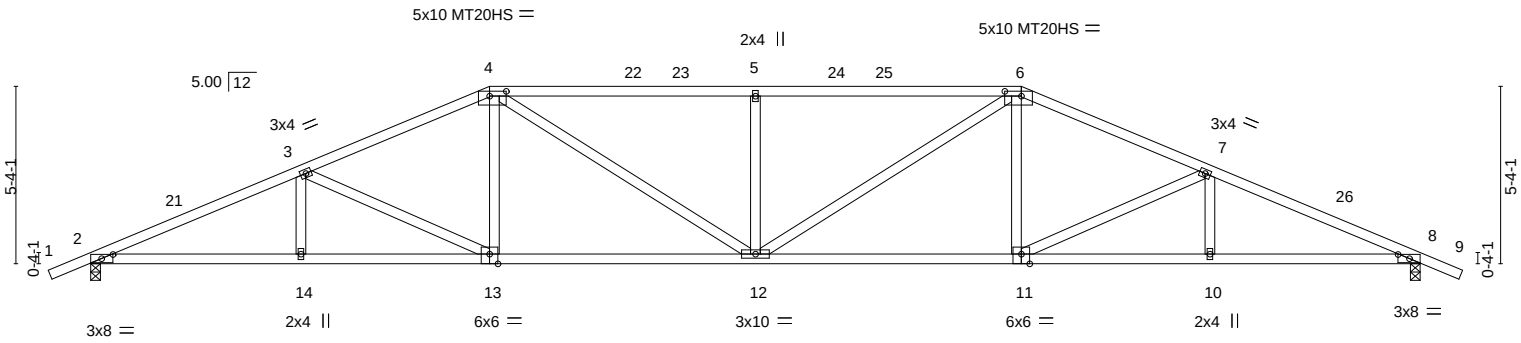
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A6	Hip	1	1	R73666211
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:16 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-u4jwvGnHXUqAuh?244k8lXm12A?iMjy82X6HIuyEkhL

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

Scale = 1:69.3



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) 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.
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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A7	Roof Special	1	1	R73666212
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:18 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-qSrgKypX354u7_9QCVmcqysRzzh0qYfRWrbNNnyEkhJ

1-2-0	5-3-14	10-0-0	15-8-1	21-2-7	26-10-8	28-5-4	33-10-12	40-0-0	41-2-0
1-2-0	5-3-14	4-8-2	5-8-1	5-6-5	5-8-1	1-6-12	5-5-8	6-1-4	1-2-0

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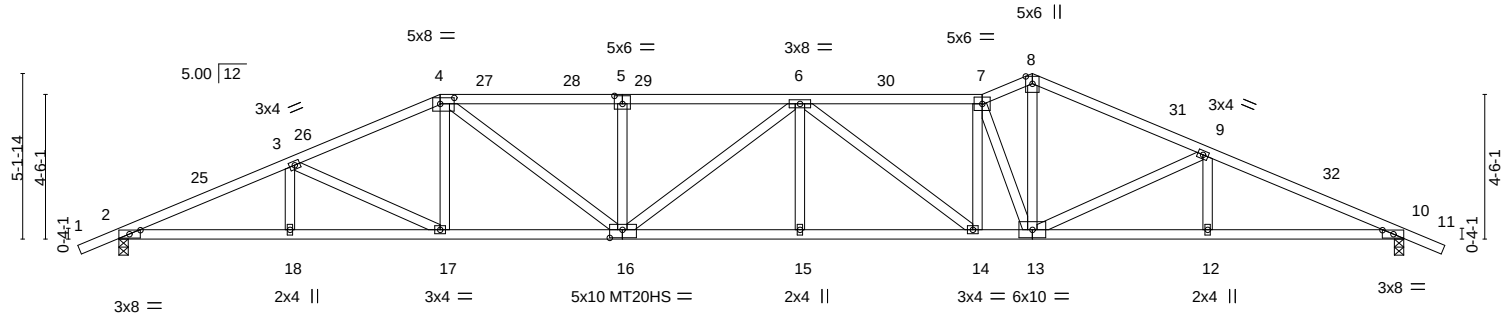

5-3-14	10-0-0	15-8-1	21-2-7	26-10-8	28-5-4	33-10-12	40-0-0
5-3-14	4-8-2	5-8-1	5-6-5	5-8-1	1-6-12	5-5-8	6-1-4

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [4:0-5-4,0-2-4], [5:0-3-0,0-3-0], [10:0-4-2,0-1-8], [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	0.36	Vert(LL)	-0.27	15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.75	15-16	>636	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.22	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.27	15	>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*
8-13: 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, 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=-3981/500, 3-4=-3477/492, 4-5=-4016/578, 5-6=-4016/578, 6-7=-3698/539, 7-8=-3246/498, 8-9=-3332/477, 9-10=-3946/513
BOT CHORD 2-18=-398/3621, 17-18=-398/3621, 16-17=-306/3164, 15-16=-422/4206, 14-15=-422/4206, 13-14=-371/3683, 12-13=-407/3583, 10-12=-407/3583
WEBS 3-17=-520/122, 4-17=0/411, 4-16=-129/1061, 5-16=-384/135, 6-14=-722/75, 7-14=0/473, 7-13=-1941/243, 8-13=-244/2198, 9-13=-658/131

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 28-5-4, Exterior(2R) 28-5-4 to 32-5-4, Interior(1) 32-5-4 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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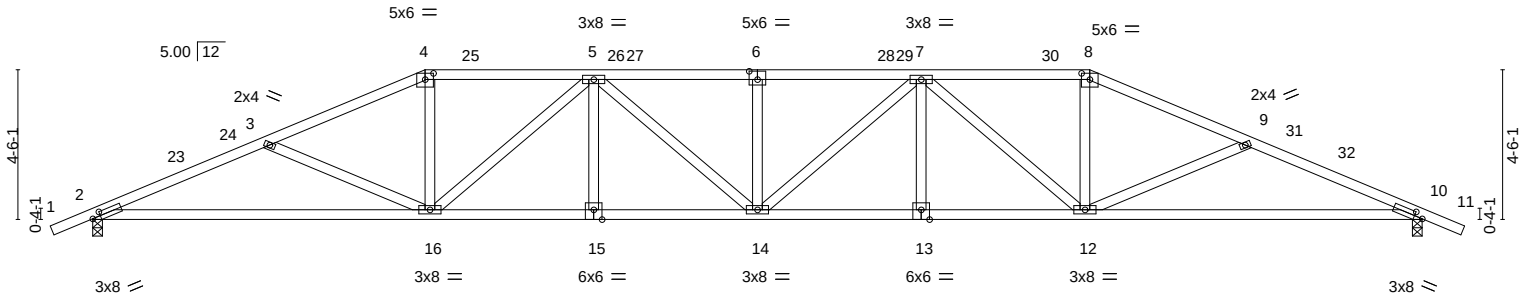
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A7B	Hip	1	1	R73666213
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:21 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-E1Wpy_rQL0ST_Su?teKJRaUwiBf11uutCpp1z6yEkhG

1-2-0	5-3-14	10-0-0	15-0-14	20-0-0	24-11-2	30-0-0	34-8-2	40-0-0	41-2-0
1-2-0	5-3-14	4-8-2	5-0-14	4-11-2	4-11-2	5-0-14	4-8-2	5-3-14	1-2-0

Scale = 1:69.3



10-0-0	15-0-14	20-0-0	24-11-2	30-0-0	40-0-0
10-0-0	5-0-14	4-11-2	4-11-2	5-0-14	10-0-0

Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [4:0-3-0,0-2-4], [6:0-3-0,0-3-0], [8:0-3-0,0-2-4], [10:0-3-0,0-1-8], [13:0-3-0,Edge], [15:0-3-0,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	0.39	Vert(LL)	-0.26	14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.73	14-15	>660	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.22	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.26	14	>999	240	Weight: 160 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=-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=-3927/521, 3-4=-3498/428, 4-5=-3201/426, 5-6=-4202/536, 6-7=-4202/536, 7-8=-3201/426, 8-9=-3498/428, 9-10=-3927/520
BOT CHORD 2-16=-402/3594, 15-16=-365/3943, 14-15=-365/3943, 13-14=-353/3943, 12-13=-353/3943, 10-12=-414/3594
WEBS 3-16=-468/166, 4-16=-43/997, 5-16=-1047/141, 5-14=-30/398, 6-14=-327/97, 7-14=-30/398, 7-12=-1047/142, 8-12=-43/997, 9-12=-468/166

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) 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.

EXPIRES: 12/31/2024
November 28,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A7C	Roof Special	1	1	R73666214
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:23 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-AQeZNftgteiAEm2O?2MnX?ZGB_LVVnYAf6I82_yEkhE

1-2-0	5-3-14	10-0-0	15-3-5	20-4-13	25-8-2	27-10-1	33-7-2	40-0-0	41-2-0
1-2-0	5-3-14	4-8-2	5-3-5	5-1-9	5-3-5	2-1-15	5-9-1	6-4-14	1-2-0

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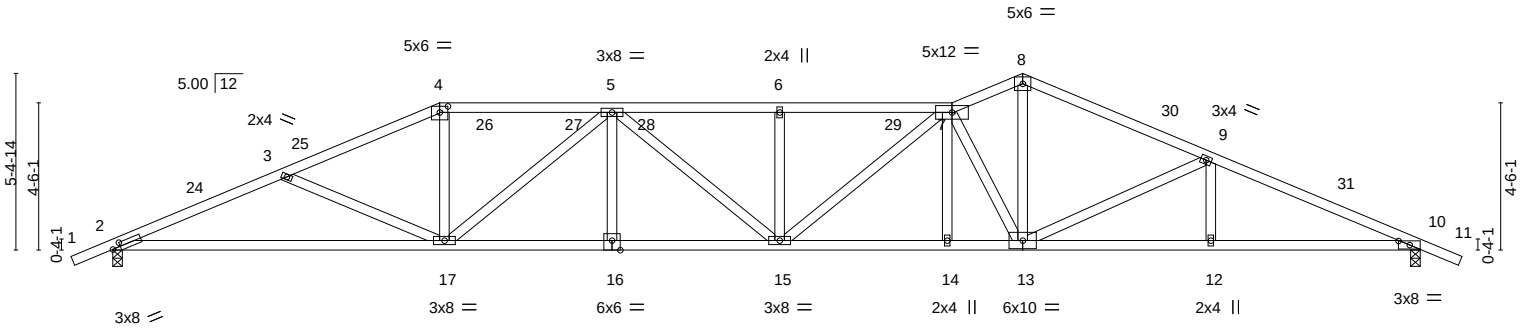

10-0-0	15-3-5	20-4-13	25-8-2	27-10-1	33-7-2	40-0-0
10-0-0	5-3-5	5-1-9	5-3-5	2-1-15	5-9-1	6-4-14

Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [4:0-3-0,0-2-4], [10:0-4-2,0-1-8], [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	0.39	Vert(LL)	-0.27	15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.75	15-16	>641	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.22	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.27	15	>999	240	Weight: 163 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*
8-13: 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, 10=0-3-8
Max Horz 2=102(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=-3926/543, 3-4=-3499/478, 4-5=-3202/467, 5-6=-4212/594, 6-7=-4212/594, 7-8=-3194/494, 8-9=-3268/472, 9-10=-3932/511
BOT CHORD 2-17=-441/3594, 16-17=-412/3965, 15-16=-412/3965, 14-15=-391/3838, 13-14=-392/3837, 12-13=-402/3568, 10-12=-402/3568
WEBS 3-17=-467/169, 4-17=-43/989, 5-17=-988/147, 5-15=-22/321, 6-15=-382/112, 7-15=-51/568, 7-13=-1958/261, 8-13=-236/2138, 9-13=-710/139, 9-12=0/251

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 27-10-1, Exterior(2R) 27-10-1 to 31-10-1, Interior(1) 31-10-1 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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A8G	ROOF SPECIAL GIRDER	1	2	R73666215
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:29 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-?a?qejyRTUSKyhVYLJTBmGpKuPTIvcM212lTGeyEkh8

1-2-0	6-1-8	8-0-0	14-4-2	20-8-4	24-10-8	26-1-12	28-5-4	33-8-5	40-0-0	41-2-0
1-2-0	6-1-8	1-10-8	6-4-2	6-4-2	4-2-4	1-3-4	2-3-8	5-3-1	6-3-11	1-2-0

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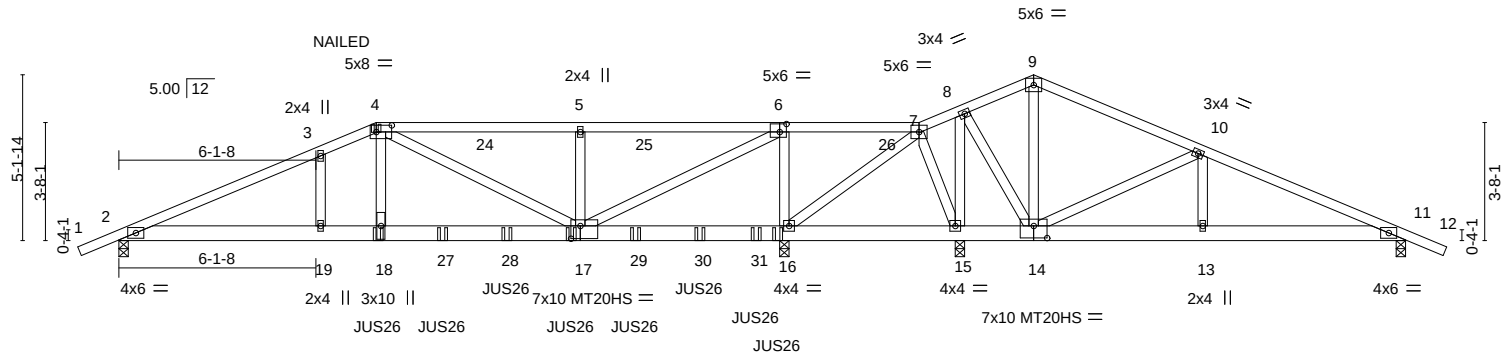

6-1-8	8-0-0	14-4-2	20-8-4	26-1-12	28-5-4	33-8-5	40-0-0
6-1-8	1-10-8	6-4-2	6-4-2	5-5-8	2-3-8	5-3-1	6-3-11

Plate Offsets (X,Y)-- [4:0-5-12,0-2-8], [6:0-2-8,0-3-0], [14:0-5-0,0-4-8], [17:0-3-8,0-4-12]

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	0.45	Vert(CT)	-0.22	19-21	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.09	19-21	>999	240	Weight: 366 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*
6-17: 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. All bearings 0-3-8 except (jt=length) 16=0-3-9 (input: 0-3-8 + Two SBP4 USP).
(lb) - Max Horz 2=-97(LC 25)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-295(LC 8), 16=-670(LC 8), 15=-544(LC 27), 11=-151(LC 27)
Max Grav All reactions 250 lb or less at joint(s) except 2=1901(LC 19), 16=4553(LC 19), 15=782(LC 14), 11=557(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3780/543, 3-4=-3688/580, 4-5=-2136/378, 5-6=-2136/378, 6-7=-251/2060, 7-8=-40/799, 8-9=-26/279, 9-10=-49/292, 10-11=-720/234
BOT CHORD 2-19=-417/3431, 18-19=-417/3431, 17-18=-427/3507, 16-17=-1946/363, 15-16=-1082/214, 14-15=-740/177, 13-14=-133/609, 11-13=-133/609
WEBS 4-18=-243/1720, 4-17=-1553/204, 5-17=-427/158, 6-17=-690/4604, 6-16=-2566/440, 7-16=-1324/214, 7-15=-106/969, 8-15=-1141/123, 8-14=-88/1019, 9-14=-437/58, 10-14=-736/112, 10-13=0/293

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) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16, 2, 15, and 11. 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
Continued on page 2
referenced standard ANSI/TPI 1.

EXPIRES: 12/31/2024
November 28,2022

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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 20-5-12 to connect truss(es) to front 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) 782 lb down and 138 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, 4-7=-68, 7-9=-68, 9-12=-68, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-19(F) 18=-319(F) 17=-319(F) 16=-320(F) 19=-782 27=-319(F) 28=-319(F) 29=-319(F) 30=-319(F) 31=-320(F)

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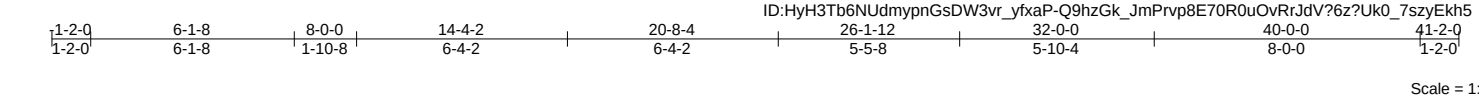
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A8GB	Hip Girder	1	2	R73666216
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:32 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-Q9hzGk_JmPrvp8E70R0uOvRrJdV?6z?Uk0_7szyEkh5



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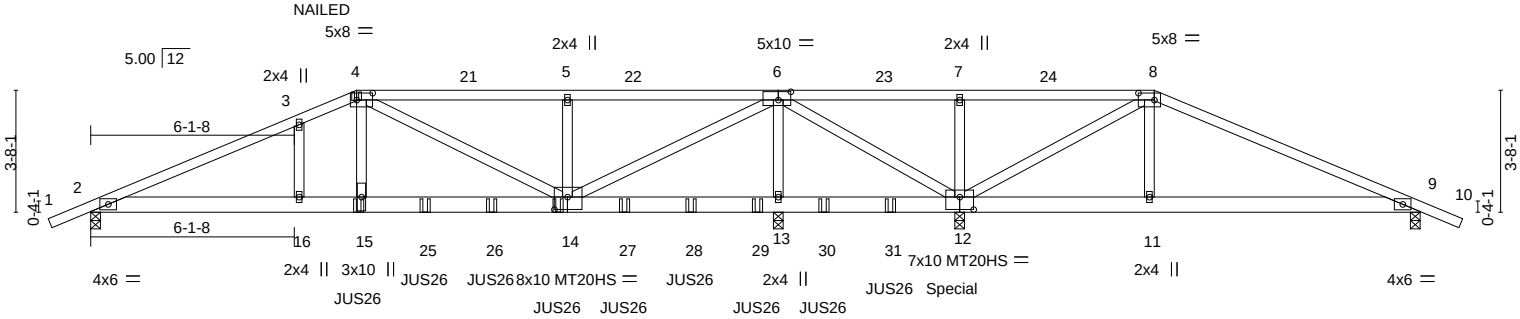

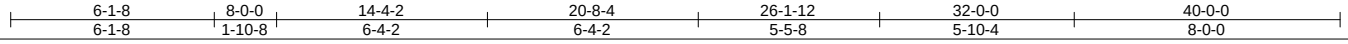

Plate Offsets (X,Y)-- [4:0-5-12,0-2-8], [6:0-4-8,0-3-0], [8:0-5-12,0-2-8], [12:0-5-0,0-4-8], [14:0-4-12,0-4-8]

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	0.31	Vert(LL)	-0.08	16-18	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.22	16-18	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.09	16-18	>999	240	Weight: 342 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*
6-14: 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. All bearings 0-3-8.
(lb) - Max Horz 2=70(LC 26)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-301(LC 8), 13=-629(LC 8), 12=-145(LC 8), 9=-194(LC 27)
Max Grav All reactions 250 lb or less at joint(s) except 2=1924(LC 19), 13=4200(LC 19), 12=1090(LC 20), 9=552(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3843/560, 3-4=-3752/597, 4-5=-2211/400, 5-6=-2211/400, 6-7=-97/1065, 7-8=-97/1065, 8-9=-537/336
BOT CHORD 2-16=-432/3489, 15-16=-432/3489, 14-15=-443/3566, 13-14=-1824/327, 12-13=-1824/327, 11-12=-205/419, 9-11=-207/408
WEBS 4-15=-247/1741, 4-14=-1535/197, 5-14=-437/159, 6-14=-671/4529, 6-13=-2973/487, 6-12=-114/924, 7-12=-394/121, 8-12=-1302/134, 8-11=0/357

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) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 13, 12, and 9. 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.

EXPIRES: 12/31/2024
November 28,2022

Continued on page 2

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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 24-0-12 to connect truss(es) to front 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) 782 lb down and 138 lb up at 6-0-12, and 304 lb down and 73 lb up at 25-11-4 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, 8-10=-68, 2-9=-20
   Concentrated Loads (lb)
   Vert: 4=-19(F) 15=-319(F) 14=-319(F) 12=-304(F) 16=-782 25=-319(F) 26=-319(F) 27=-319(F) 28=-319(F) 29=-319(F) 30=-290(F) 31=-290(F)

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A8GC	ROOF SPECIAL GIRDER	1	2	R73666217
					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
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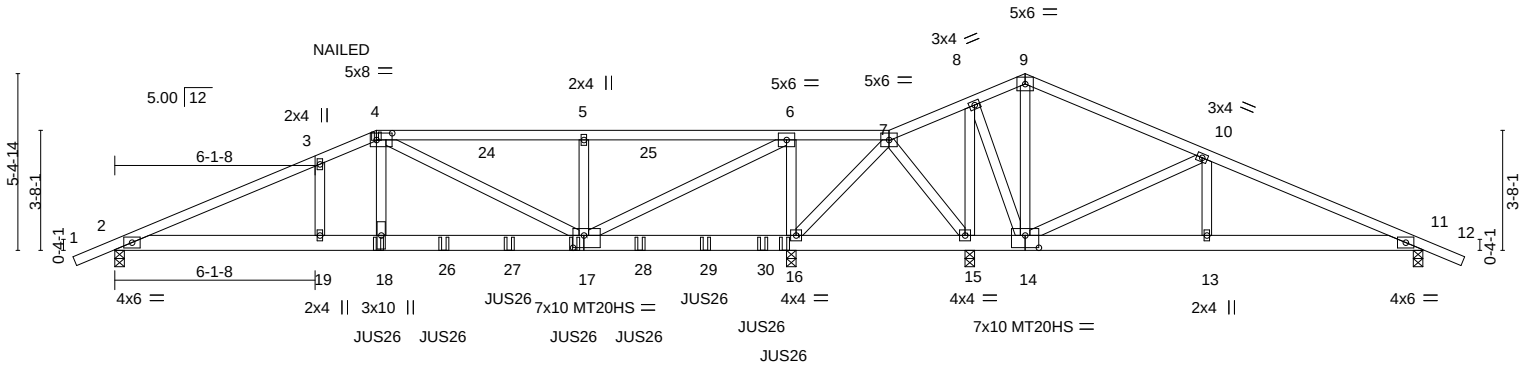
1-2-0	6-1-8	8-0-0	14-4-2	20-8-4	23-8-2	26-1-12	27-10-1	33-4-12	40-0-0	41-2-0
1-2-0	6-1-8	1-10-8	6-4-2	6-4-2	2-11-14	2-5-10	1-8-5	5-6-11	6-7-4	1-2-0

Scale = 1:70.5



6-1-8	8-0-0	14-4-2	20-8-4	26-1-12	27-10-1	33-4-12	40-0-0
6-1-8	1-10-8	6-4-2	6-4-2	5-5-8	1-8-5	5-6-11	6-7-4

Plate Offsets (X,Y)-- [4:0-5-12,0-2-8], [14:0-5-0,0-4-8], [17:0-4-0,0-4-8]

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	0.45	Vert(CT)	-0.22	19-21	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.09	19-21	>999	240	Weight: 369 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*
6-17: 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. All bearings 0-3-8 except (jt=length) 16=0-3-11 (input: 0-3-8 + Two SBP4 USP).
(lb) - Max Horz 2=-102(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-294(LC 8), 16=-724(LC 8), 15=-626(LC 27), 11=-135(LC 27)
Max Grav All reactions 250 lb or less at joint(s) except 2=1890(LC 19), 16=4693(LC 19), 15=772(LC 14), 11=560(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3750/540, 3-4=-3658/577, 4-5=-2088/374, 5-6=-2088/374, 6-7=-259/2120, 7-8=-21/639, 8-9=0/270, 9-10=-8/301, 10-11=-711/192
BOT CHORD 2-19=-414/3403, 18-19=-414/3403, 17-18=-424/3479, 16-17=-2120/391, 15-16=-1313/253, 14-15=-560/162, 13-14=-91/597, 11-13=-91/597
WEBS 4-18=-243/1722, 4-17=-1573/205, 5-17=-436/161, 6-17=-714/4727, 6-16=-2563/437, 7-16=-1278/205, 7-15=-152/1285, 8-15=-1126/129, 8-14=-78/927, 9-14=-421/49, 10-14=-789/117, 10-13=0/314

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) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16, 2, 15, and 11. 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.

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

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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 20-5-12 to connect truss(es) to front 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) 782 lb down and 138 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, 4-7=-68, 7-9=-68, 9-12=-68, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-19(F) 18=-319(F) 17=-319(F) 16=-326(F) 19=-782 26=-319(F) 27=-319(F) 28=-319(F) 29=-319(F) 30=-326(F)

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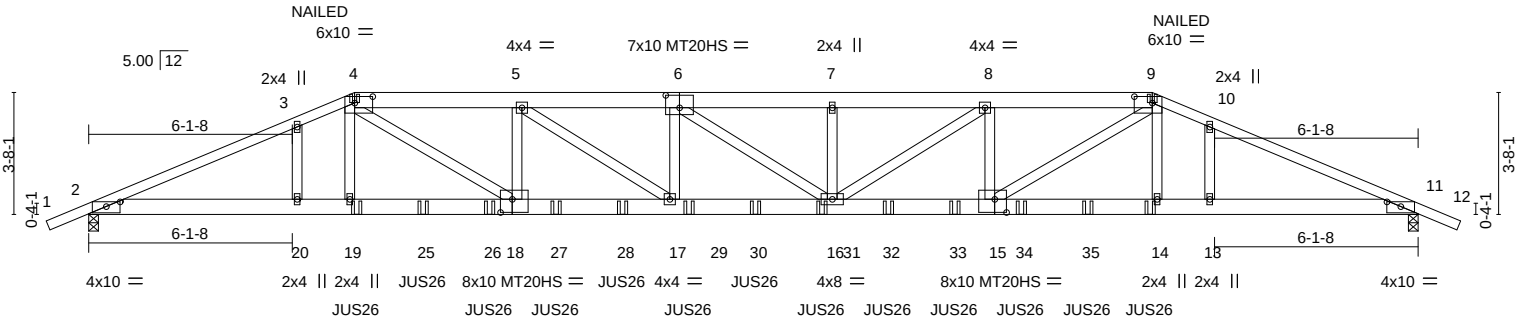
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A9G	FLOOR	1	2	R73666218
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:39 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-iVcck83i6Yjv9DGTxQeXANDxARrTF46WLcA_c3yEkh_

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)-- [2:0-5-0,0-1-11], [4:0-6-8,0-2-5], [6:0-5-0,0-4-8], [9:0-6-8,0-2-5], [11:0-5-0,0-1-11], [15:0-4-4,0-4-12], [18:0-4-4,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.65	Vert(LL)	-0.29	16-17	>999	360	MT20	185/144
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.79	16-17	>605	240	MT20HS	139/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.18	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MS							Weight: 386 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E *Except*
4-6,6-9: 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 HF/SPF Stud/Std *Except*
4-18,9-15: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-2 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 Grav 2=4213(LC 3), 11=4220(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-9737/0, 3-4=-9638/0, 4-5=-11800/0, 5-6=-13399/0, 6-7=-13404/0, 7-8=-13404/0, 8-9=-11814/0, 9-10=-9657/0, 10-11=-9757/0
BOT CHORD 2-20=0/8913, 19-20=0/8913, 18-19=0/8854, 17-18=0/11872, 16-17=0/13421, 15-16=0/11885, 14-15=0/8872, 13-14=0/8931, 11-13=0/8931
WEBS 4-19=0/1321, 4-18=0/3786, 5-18=-1688/0, 5-17=0/1880, 6-17=-509/0, 7-16=-458/0, 8-16=0/1870, 8-15=-1679/0, 9-15=0/3781, 9-14=0/1332

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 0-4-0 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 floor live loads have been considered for this design.
4) All plates are MT20 plates unless otherwise indicated.
5) 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.
6) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) 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.
8) Fill all nail holes where hanger is in contact with lumber.
9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-4=-100, 4-9=-100, 9-12=-100, 2-11=-10

EXPIRES: 12/31/2024
November 28,2022

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 4=-41(B) 9=-41(B) 19=-206(B) 14=-206(B) 20=-509 13=-509 25=-206(B) 26=-206(B) 27=-206(B) 28=-206(B) 29=-206(B) 30=-206(B) 31=-206(B) 32=-206(B) 33=-206(B) 34=-206(B) 35=-206(B)

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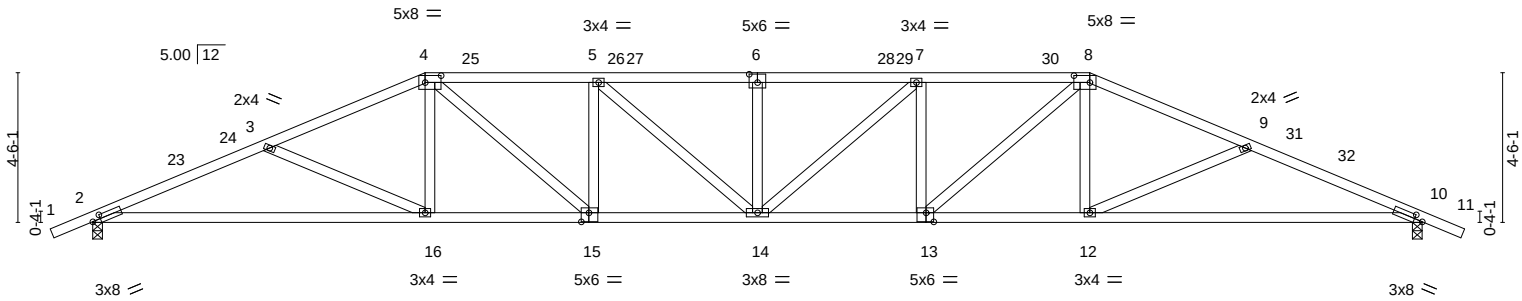
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A10	Hip	1	1	R73666219
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:08:59 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-eFZplxs_fq759rdF4Ps47H4wN7grqtQoL2yi5syEkiY

1-2-0	5-3-14	10-0-0	15-0-14	20-0-0	24-11-2	30-0-0	34-8-2	40-0-0	41-2-0
1-2-0	5-3-14	4-8-2	5-0-14	4-11-2	4-11-2	5-0-14	4-8-2	5-3-14	1-2-0

Scale = 1:69.3



10-0-0	15-0-14	20-0-0	24-11-2	30-0-0	40-0-0
10-0-0	5-0-14	4-11-2	4-11-2	5-0-14	10-0-0

Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [4:0-5-12,0-2-8], [6:0-3-0,0-3-0], [8:0-5-12,0-2-8], [10:0-3-0,0-1-8], [13:0-2-12,0-3-4], [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	0.40	Vert(LL)	-0.26	14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.72	14-15	>663	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.21	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.26	14	>999	240	Weight: 160 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=-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=-3928/521, 3-4=-3498/428, 4-5=-3923/523, 5-6=-4202/536, 6-7=-4202/536, 7-8=-3923/523, 8-9=-3498/428, 9-10=-3928/521
BOT CHORD 2-16=-402/3596, 15-16=-255/3178, 14-15=-365/3943, 13-14=-354/3943, 12-13=-261/3178, 10-12=-414/3596
WEBS 3-16=-470/166, 4-16=0/471, 4-15=-140/1051, 5-15=-617/131, 5-14=-29/398, 6-14=-326/97, 7-14=-29/398, 7-13=-617/131, 8-13=-140/1051, 8-12=0/471, 9-12=-470/166

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) 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.

EXPIRES: 12/31/2024
November 28,2022

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Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A11M	ROOF TRUSS	1	1	R73666220
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:01 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-aehZAdtEBRNpO9mdBquYCi9FLxNZIms5oMRp9lyEkiW

1-2-0	6-3-14	12-0-0	17-4-4	22-7-12	28-0-0	33-8-2	40-0-0	41-2-0
1-2-0	6-3-14	5-8-2	5-4-4	5-3-8	5-4-4	5-8-2	6-3-14	1-2-0

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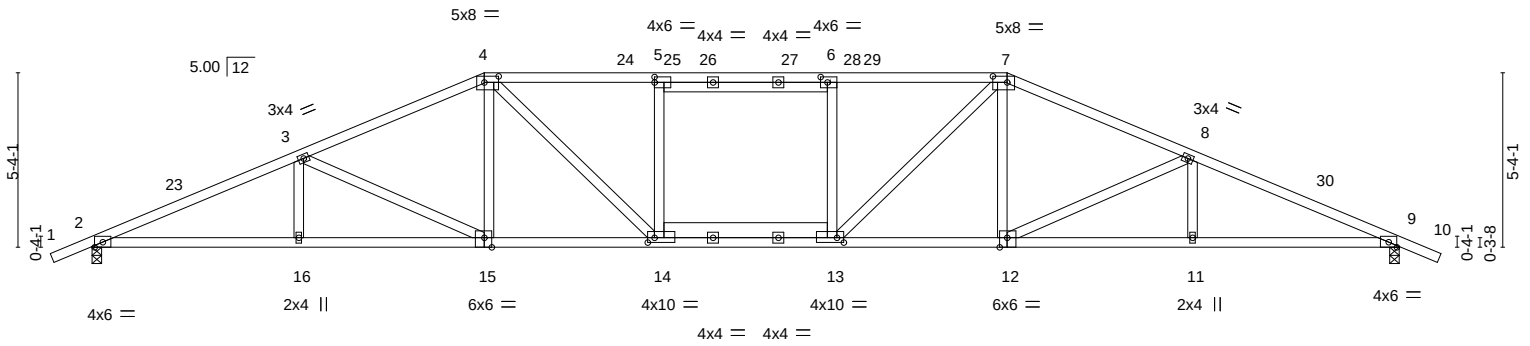


6-3-14	12-0-0	17-4-4	22-7-12	28-0-0	33-8-2	40-0-0
6-3-14	5-8-2	5-4-4	5-3-8	5-4-4	5-8-2	6-3-14

Plate Offsets (X,Y)-- [4:0-5-4,0-2-4], [5:0-0-0,0-2-0], [6:0-2-8,0-2-0], [7:0-5-4,0-2-4], [12:0-2-12,Edge], [13:0-2-8,0-1-12], [14:0-2-8,0-1-12], [15:0-2-12,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	0.43	Vert(LL)	-0.28	12-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.65	12-13	>735	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.19	14	>999	240	Weight: 169 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
13-14: 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, 9=0-3-8
Max Horz 2=-101(LC 10)
Max Uplift 2=-131(LC 12), 9=-131(LC 12)
Max Grav 2=2133(LC 17), 9=2133(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4591/291, 3-4=-3867/245, 4-5=-4154/226, 5-6=-4154/226, 6-7=-4154/226, 7-8=-3867/245, 8-9=-4591/291
BOT CHORD 2-16=-188/4265, 15-16=-188/4265, 14-15=-60/3557, 13-14=-36/4169, 12-13=-68/3491, 11-12=-199/4190, 9-11=-199/4190
WEBS 3-15=-783/145, 4-15=0/546, 4-14=0/1011, 5-14=-500/47, 6-13=-500/47, 7-12=0/546, 8-12=-783/145, 7-13=0/1011

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) 150.0lb AC unit load placed on the top chord, 20-0-0 from left end, supported at two points, 2-6-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

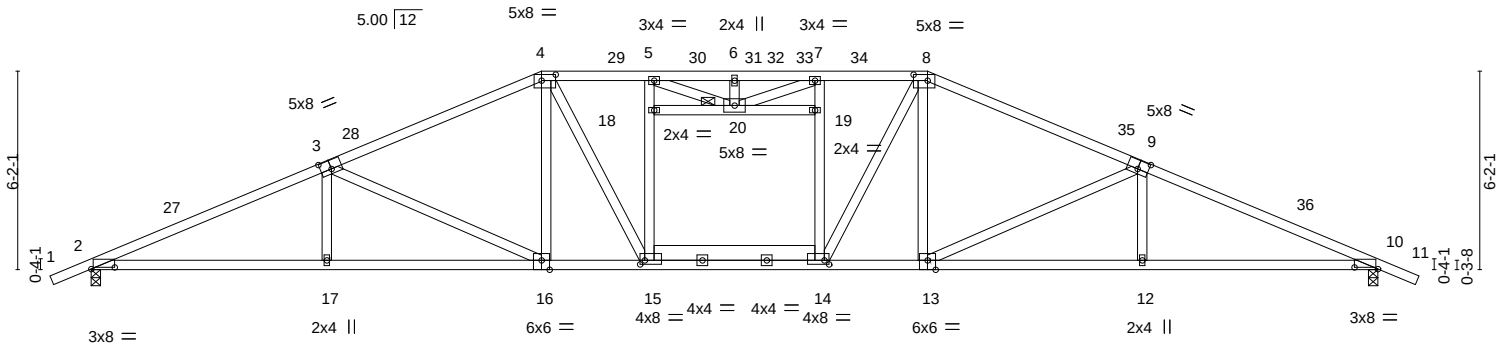
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A12M	ROOF TRUSS	1	1	R73666221
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:04 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-_DNiofw6UMlOFdVCszRFqLnlK8NMV8wYVKfTm3yEkiT

1-2-0	7-3-14	14-0-0	17-4-4	20-0-0	22-7-12	26-0-0	32-8-2	40-0-0	41-2-0
1-2-0	7-3-14	6-8-2	3-4-4	2-7-12	2-7-12	3-4-4	6-8-2	7-3-14	1-2-0

Scale = 1:71.6



7-3-14	14-0-0	17-4-4	22-7-12	26-0-0	32-8-2	40-0-0
7-3-14	6-8-2	3-4-4	5-3-8	3-4-4	6-8-2	7-3-14

Plate Offsets (X,Y)-- [2:0-8-12,0-0-10], [3:0-4-0,0-3-4], [4:0-5-4,0-2-4], [8:0-5-4,0-2-4], [9:0-4-0,0-3-4], [10:0-8-12,0-0-10], [13:0-3-0,Edge], [14:0-1-12,0-1-8], [15:0-1-12,0-1-8], [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	0.51	Vert(LL)	-0.24	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.59	14-15	>809	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.21	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.18	15	>999	240	Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
14-15: 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
3-16,9-13: 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): 20

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-116(LC 10)
Max Uplift 2=-131(LC 12), 10=-131(LC 12)
Max Grav 2=2133(LC 17), 10=2133(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4519/286, 3-4=-3621/239, 4-5=-3544/229, 5-6=-3663/182, 6-7=-3663/182, 7-8=-3544/229, 8-9=-3621/239, 9-10=-4519/286
BOT CHORD 2-17=-174/4204, 16-17=-176/4196, 15-16=-28/3323, 14-15=-13/3566, 13-14=-40/3261, 12-13=-188/4110, 10-12=-186/4117
WEBS 3-17=0/298, 3-16=-967/164, 4-16=-2/624, 4-15=0/687, 15-18=-436/22, 5-18=-416/21, 14-19=-436/22, 7-19=-416/21, 8-13=-2/624, 9-13=-967/164, 9-12=0/298, 8-14=0/687, 5-20=0/254, 7-20=0/254

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) 150.0lb AC unit load placed on the top chord, 20-0-0 from left end, supported at two points, 2-6-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 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

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

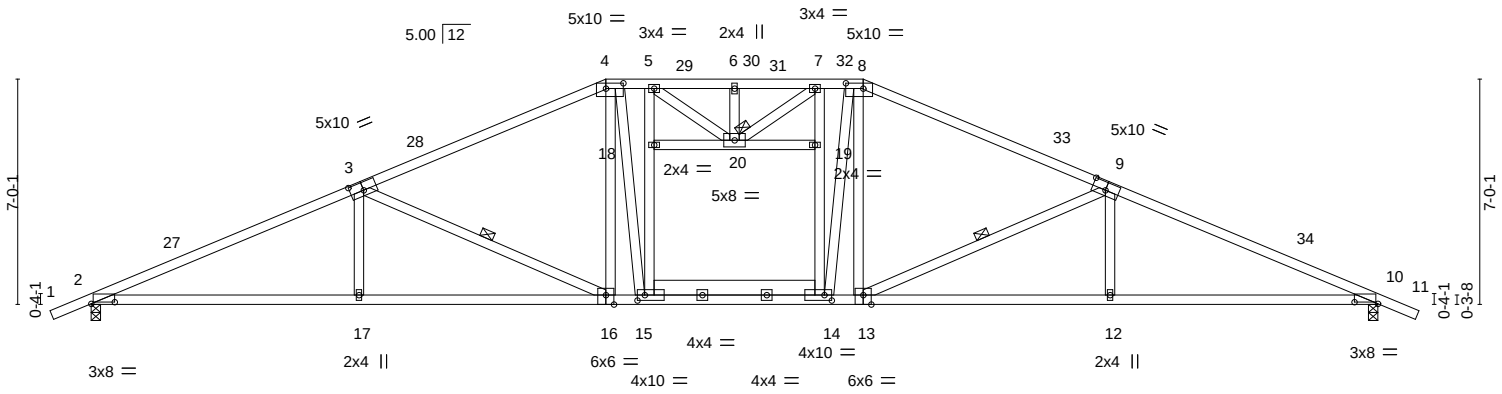
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A13M	ROOF TRUSS	1	1	R73666222
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:07 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-Po2qQgy?nH7z64EnY5?ySzPDNMOyiX9_BIu7NOyEkiQ

1-2-0 8-3-14 16-0-0 17-4-4 20-0-0 22-7-12 24-0-0 31-8-2 40-0-0 41-2-0
1-2-0 8-3-14 7-8-2 1-4-4 2-7-12 2-7-12 1-4-4 7-8-2 8-3-14 1-2-0

Scale = 1:71.6



8-3-14 16-0-0 17-4-4 22-7-12 24-0-0 31-8-2 40-0-0
8-3-14 7-8-2 1-4-4 5-3-8 1-4-4 7-8-2 8-3-14

Plate Offsets (X,Y)-- [2:0-8-12,0-0-10], [3:0-5-0,0-3-0], [4:0-6-8,0-2-0], [8:0-6-8,0-2-0], [9:0-5-0,0-3-0], [10:0-8-12,0-0-10], [13:0-3-0,Edge], [14:0-2-12,0-2-0], [15:0-2-12,0-2-0], [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	0.65	Vert(LL)	-0.25	16-17	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.60	16-17	>794	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.20	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.17	16	>999	240	Weight: 192 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
14-15: 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.
WEBS 1 Row at midpt 3-16, 9-13
JOINTS 1 Brace at Jt(s): 20

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=131(LC 11)
Max Uplift 2=-131(LC 12), 10=-131(LC 12)
Max Grav 2=2135(LC 17), 10=2135(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4445/282, 3-4=-3411/230, 4-5=-3101/239, 5-6=-3248/229, 6-7=-3248/229, 7-8=-3101/239, 8-9=-3411/230, 9-10=-4445/282
BOT CHORD 2-17=-162/4141, 16-17=-164/4133, 15-16=0/3108, 14-15=0/3131, 13-14=-10/3055, 12-13=-177/4035, 10-12=-174/4043
WEBS 3-17=0/346, 3-16=-1132/183, 4-16=0/756, 4-15=-66/540, 15-18=-364/0, 5-18=-352/0, 14-19=-364/0, 7-19=-352/0, 8-13=0/756, 9-13=-1132/183, 9-12=0/346, 8-14=-66/540, 6-20=-272/0, 5-20=0/267, 7-20=0/267

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) 150.0lb AC unit load placed on the top chord, 20-0-0 from left end, supported at two points, 2-6-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 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.

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

EXPIRES: 12/31/2024
November 28,2022

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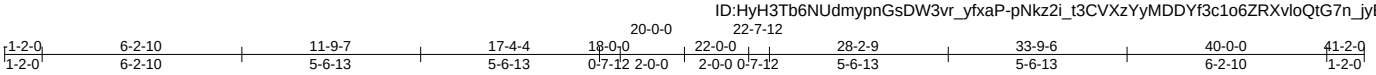
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	A14M	ROOF TRUSS	1	1	R73666223
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:09:10 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-pNkz2i_t3CVXzYyMDDYf3c1o6ZRXvloQtG7n_jyEkiN



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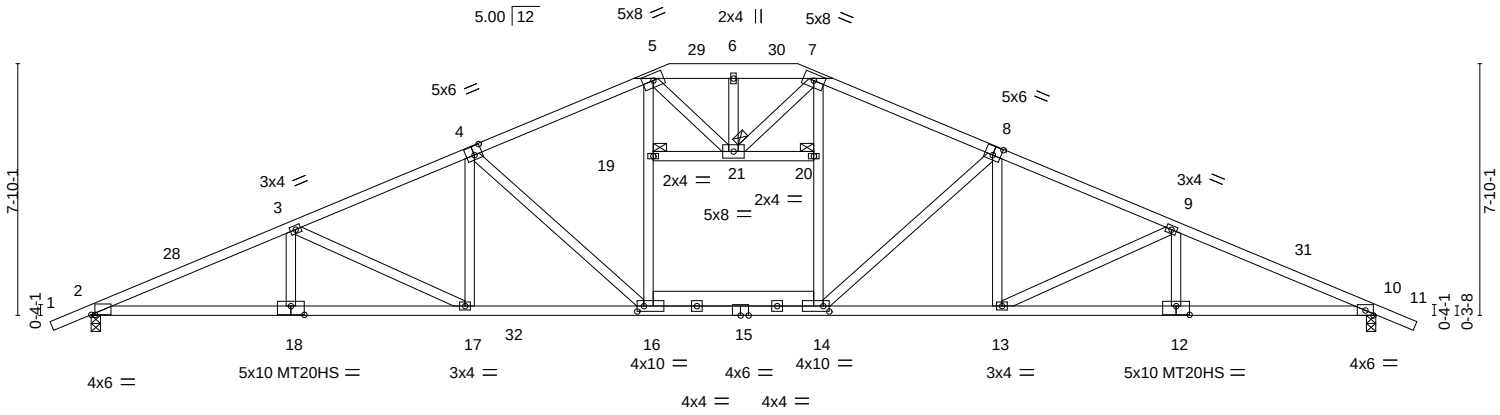

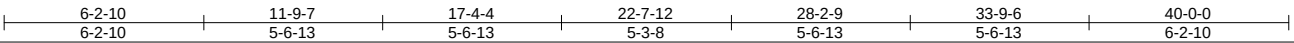

Plate Offsets (X,Y)-- [2:0-1-6,0-0-0], [4:0-3-0,0-3-4], [8:0-3-0,0-3-4], [12:0-5-0,0-3-4], [14:0-2-4,0-2-0], [16:0-2-8,0-2-0], [18:0-5-0,0-3-4]

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	0.43	Vert(LL)	-0.33	16-17	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.66	16-17	>730	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.21	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.17	14-16	>999	240	Weight: 191 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E *Except*
5-7: 2x6 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
14-16: 2x6 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std *Except*
4-16,8-14: 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): 19, 20, 21

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=142(LC 11)
Max Uplift 2=-131(LC 12), 10=-131(LC 12)
Max Grav 2=2168(LC 17), 10=2152(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4680/275, 3-4=-3995/259, 4-5=-3278/227, 5-6=-2828/194, 6-7=-2828/194, 7-8=-3264/227, 8-9=-3948/259, 9-10=-4646/275
BOT CHORD 2-18=-172/4378, 17-18=-172/4378, 16-17=-83/3705, 14-16=0/2974, 13-14=-95/3572, 12-13=-184/4240, 10-12=-184/4240
WEBS 3-17=-733/106, 4-17=0/547, 4-16=-965/158, 16-19=-32/887, 5-19=-31/888, 14-20=-32/832, 7-20=-31/834, 8-13=0/513, 9-13=-747/106, 8-14=-920/158

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=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 17-6-1, Exterior(2E) 17-6-1 to 22-5-15, Exterior(2R) 22-5-15 to 28-1-8, Interior(1) 28-1-8 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) 150.0lb AC unit load placed on the top chord, 20-0-0 from left end, supported at two points, 2-6-0 apart.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
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

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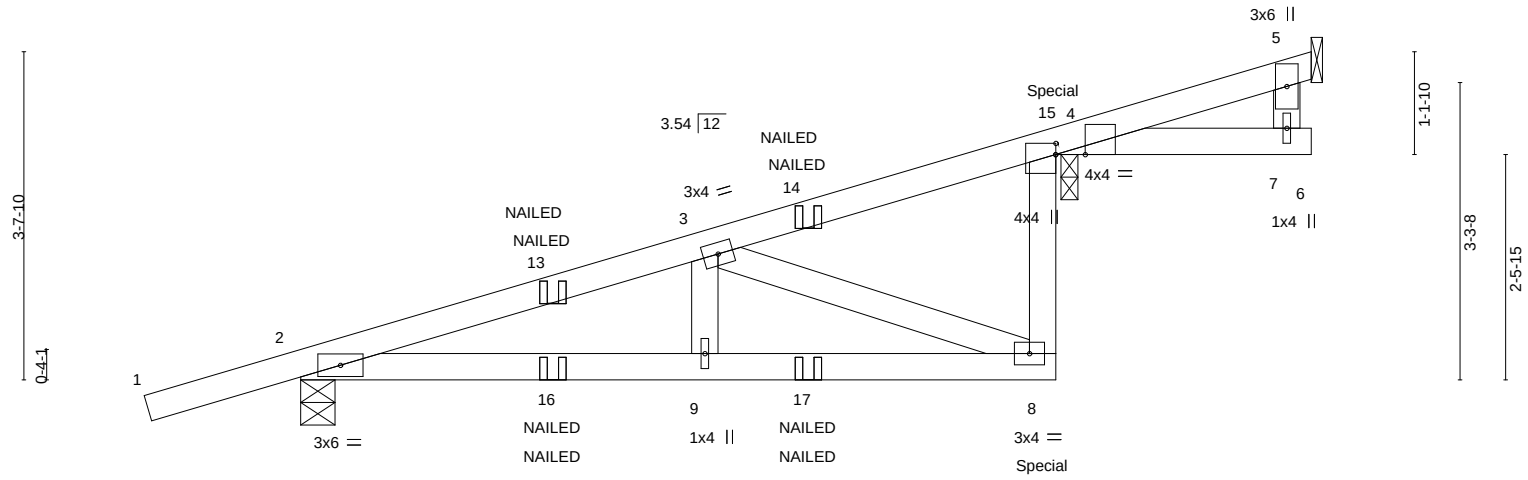
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CG1	DIAGONAL HIP GIRDER	1	1	R73666224
					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:HyH3Tb6NUdmypnGsDW3vr_yfxaP-ftkN9p5zeAzdOXQr2qh?FoJMVFdXj4Npowf5gyyEkgy

-1-7-13 | 4-5-11 | 8-2-13 | 8-4-5 | 11-0-12 | 11-2-4
1-7-13 | 4-5-11 | 3-9-2 | 0-1-8 | 2-8-7 | 0-1-8

Scale = 1:25.5



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	>743	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 3-11-12 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=2174(LC 1), 4=-2174(LC 1)
Max Uplift 2=-165(LC 8)
Max Grav 2=1245(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=-3134/264, 3-4=-2411/253
BOT CHORD 2-9=-45/802, 8-9=-45/802
WEBS 3-8=-766/52, 4-8=0/369

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 165 lb uplift at joint 2.
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, and 56 lb down at 8-2-9 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: 1-5=-76, 8-10=-20, 4-6=-20

EXPIRES: 12/31/2024
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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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LOAD CASE(S) Standard

Concentrated Loads (lb)

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

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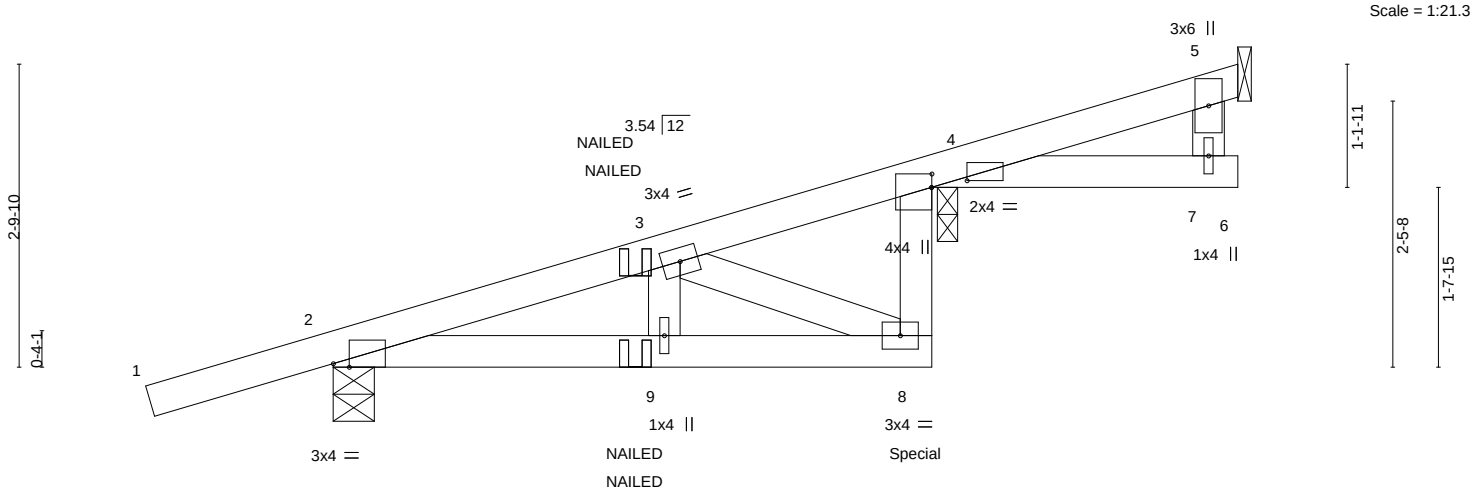
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CG2	DIAGONAL HIP GIRDER	2	1	R73666225
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:43 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-bGr7aV6DAnDLdqZEAFjTLDOlc2LAB0Q6FE8CkqyEkgw

-1-7-13 | 3-0-11 | 5-6-6 | 8-2-13 | 8-4-5
1-7-13 | 3-0-11 | 2-5-11 | 2-8-7 | 0-1-8

Scale = 1:21.3



3-0-11 | 5-6-6 | 5-9-4 | 8-2-13 | 8-4-5
3-0-11 | 2-5-11 | 0-2-14 | 2-5-9 | 0-1-8

Plate Offsets (X,Y)-- [2:0-1-12,Edge], [4:0-3-15,0-0-12], [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	0.17	Vert(LL)	-0.00	9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	9	>999	240	Weight: 27 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.
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=101(LC 23)
Max Uplift 2=-82(LC 8), 5=-2(LC 23), 4=-85(LC 8)
Max Grav 2=441(LC 1), 5=75(LC 1), 4=536(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-486/0
BOT CHORD 2-9=-24/446, 8-9=-24/446
WEBS 3-8=-371/14, 4-8=-34/325

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) Solid blocking is required on both sides of the truss at joint(s), 4.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 2, 2 lb uplift at joint 5 and 85 lb uplift at joint 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) 144 lb down and 47 lb up at 5-4-10 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: 1-5=-76, 8-10=-20, 4-6=-20

EXPIRES: 12/31/2024
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Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 9=-9(F=-1, B=-8) 8=-144(B)

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Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CG3	DIAGONAL HIP GIRDER	2	1	R73666226
					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
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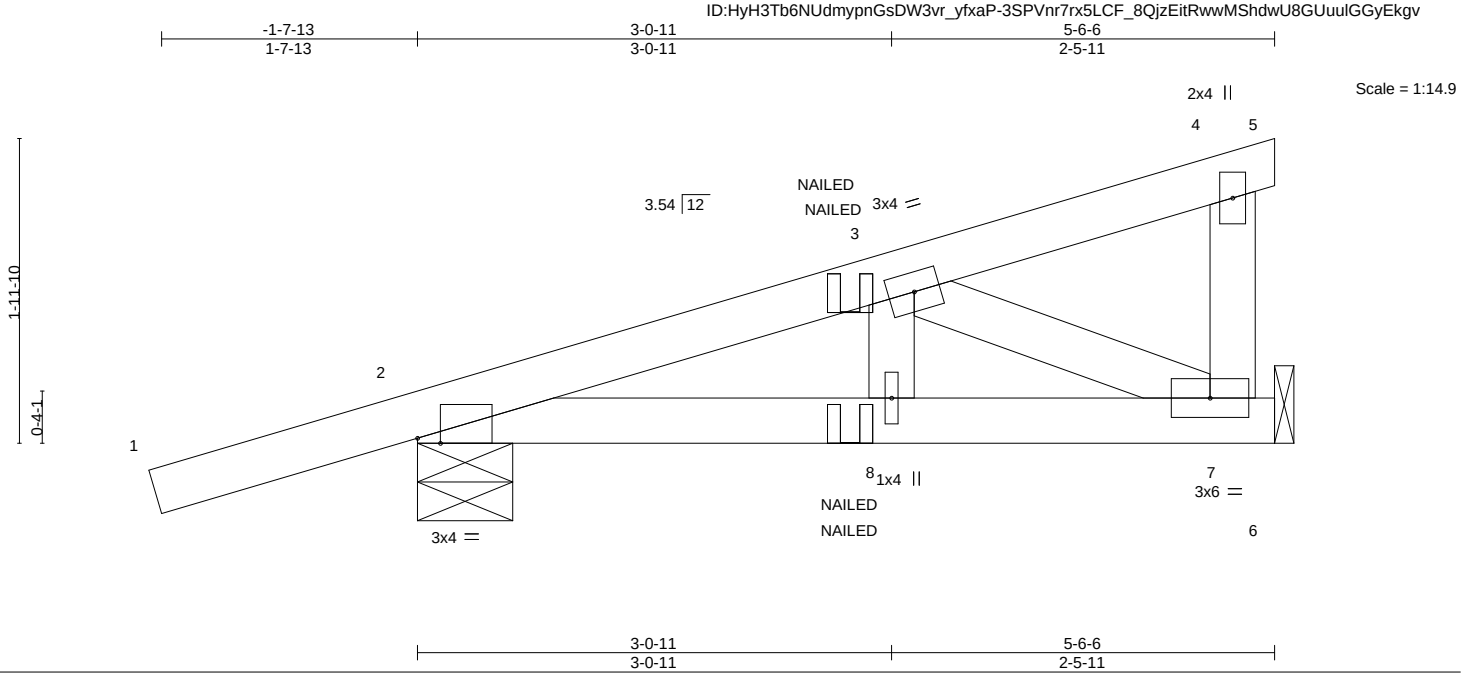

Plate Offsets (X,Y)-- [2:0-1-12,Edge]

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)	-0.00	8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	8-11	>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)	0.00	11	>999	240	Weight: 20 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=402(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=-362/2
BOT CHORD 2-8=-11/327, 7-8=-11/327
WEBS 3-7=-356/11

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 91 lb uplift at joint 2 and 13 lb uplift at joint 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, 6-9=-20
Concentrated Loads (lb)
Vert: 8=-3(F=-1, B=-1)

EXPIRES: 12/31/2024
November 28,2022

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Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CJ1	Jack-Open	2	1	R73666227
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:46 2022 Page 1
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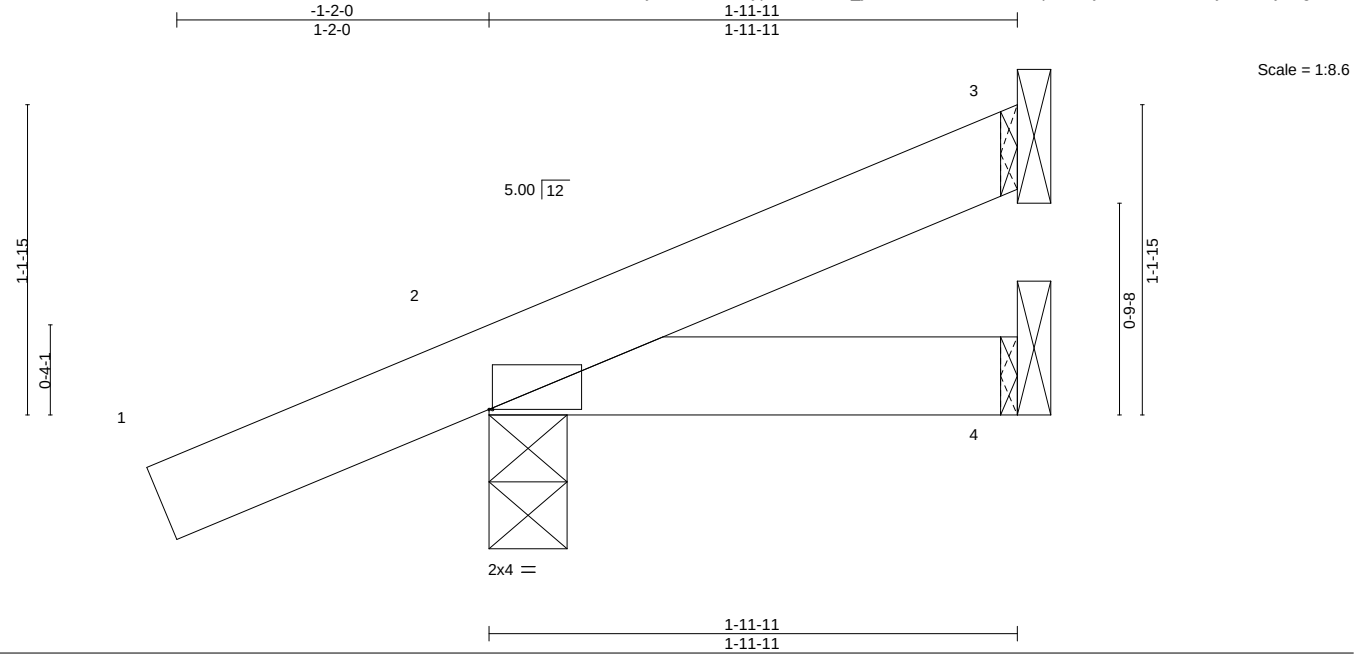

Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

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 9 lb uplift at joint 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

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Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CJ1A	Jack-Open	1	1	R73666228
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:47 2022 Page 1
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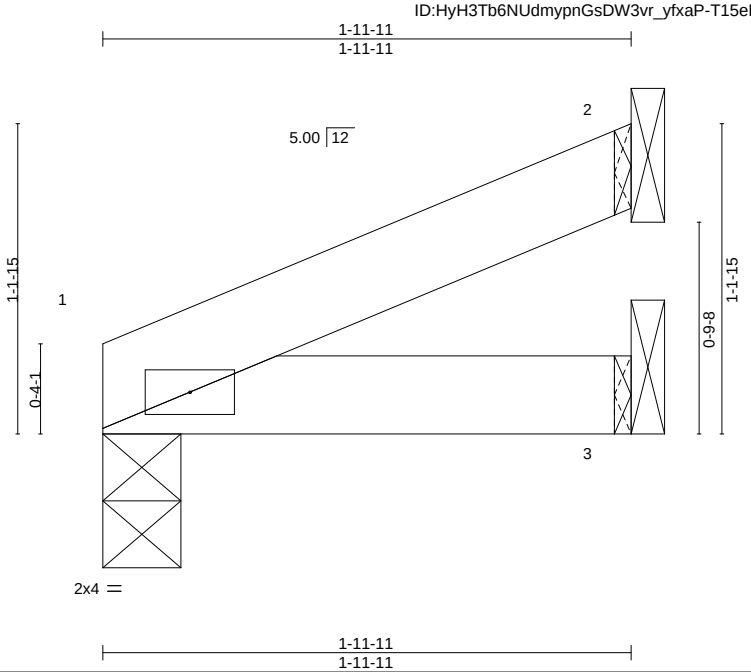

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	-0.00	6	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	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 16 lb uplift at joint 2.
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.

EXPIRES: 12/31/2024
November 28,2022

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Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CJ2	Jack-Open	2	1	R73666229
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:49 2022 Page 1
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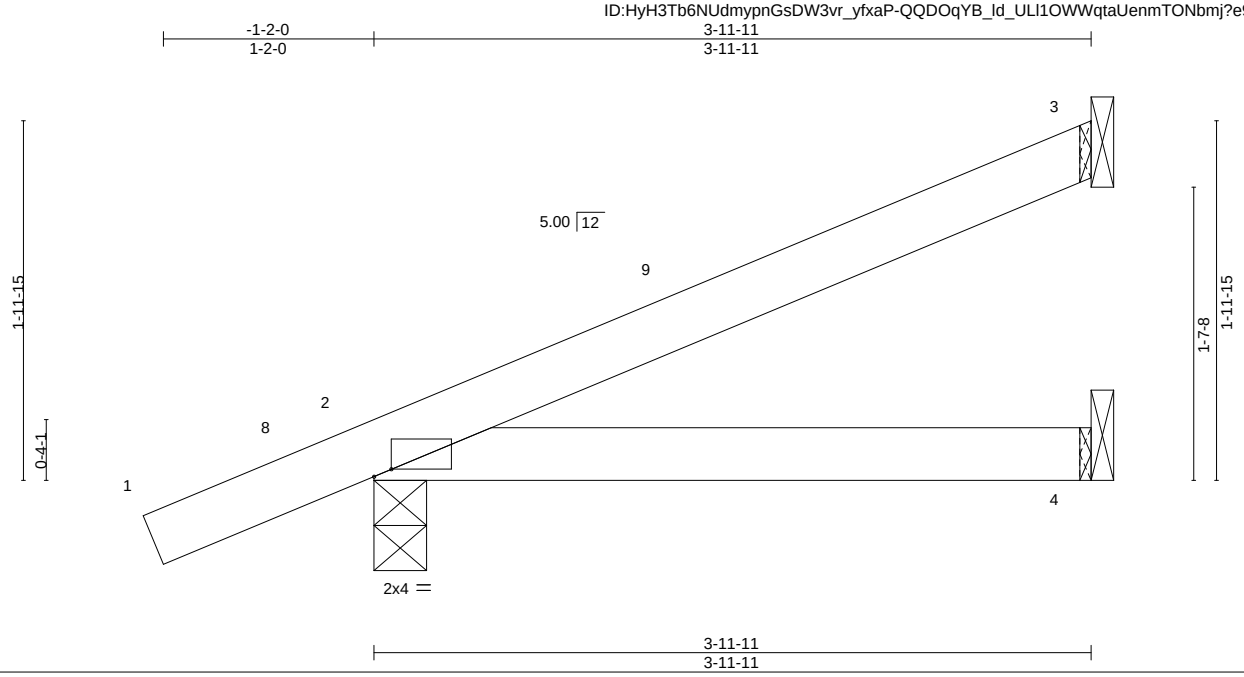

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

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 33 lb uplift at joint 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.

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

EXPIRES: 12/31/2024
November 28,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CJ2A	JACK-CLOSED	1	1	R73666230
					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
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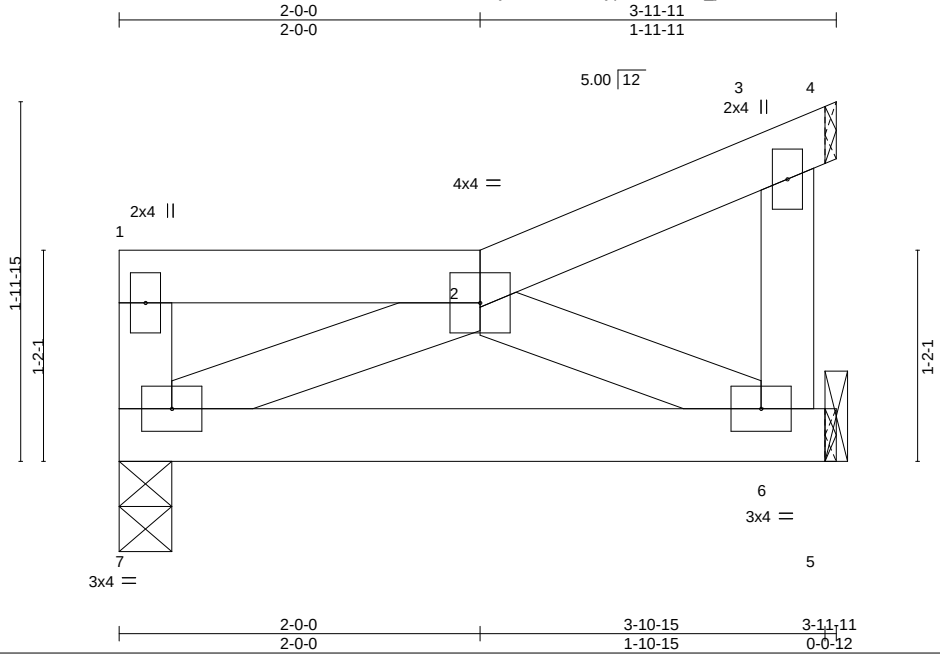

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.01	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.02	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	7	****	240	Weight: 16 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 3-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 7=0-3-8
Max Horz 7=61(LC 11)
Max Uplift 6=-19(LC 9), 7=-26(LC 8)
Max Grav 6=172(LC 1), 7=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) 0-1-12 to 2-0-0, Interior(1) 2-0-0 to 3-11-11 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
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 19 lb uplift at joint 6.
8) 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.
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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CJ2P	Jack-Open	1	1	R73666231
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:51 2022 Page 1
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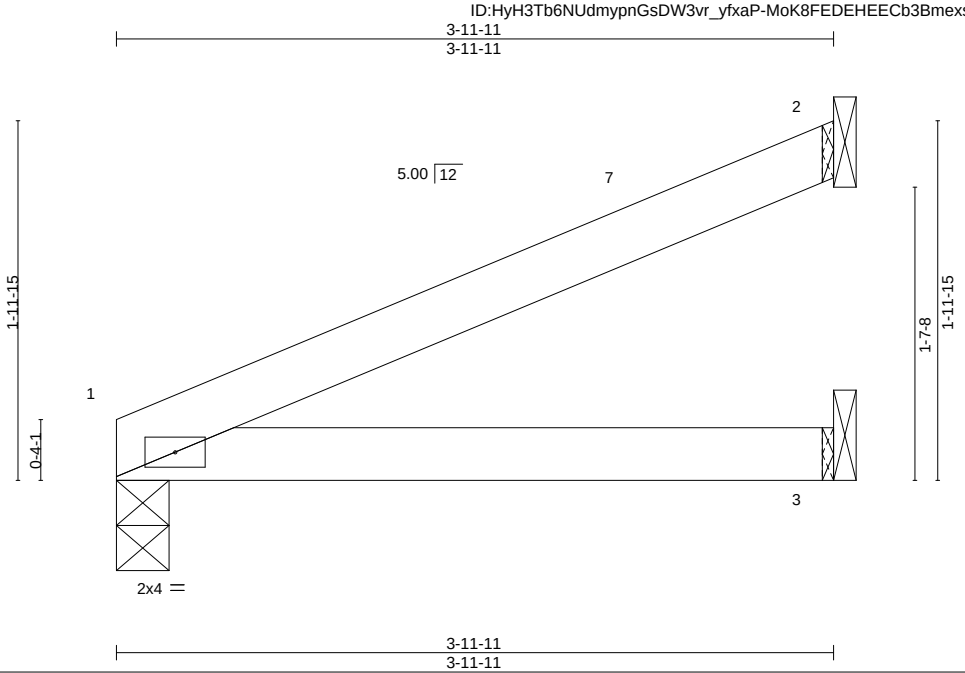

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	3-6	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.03	3-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	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 37 lb uplift at joint 2.
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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	CJ3	Jack-Open	1	1	R73666232
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:53 2022 Page 1
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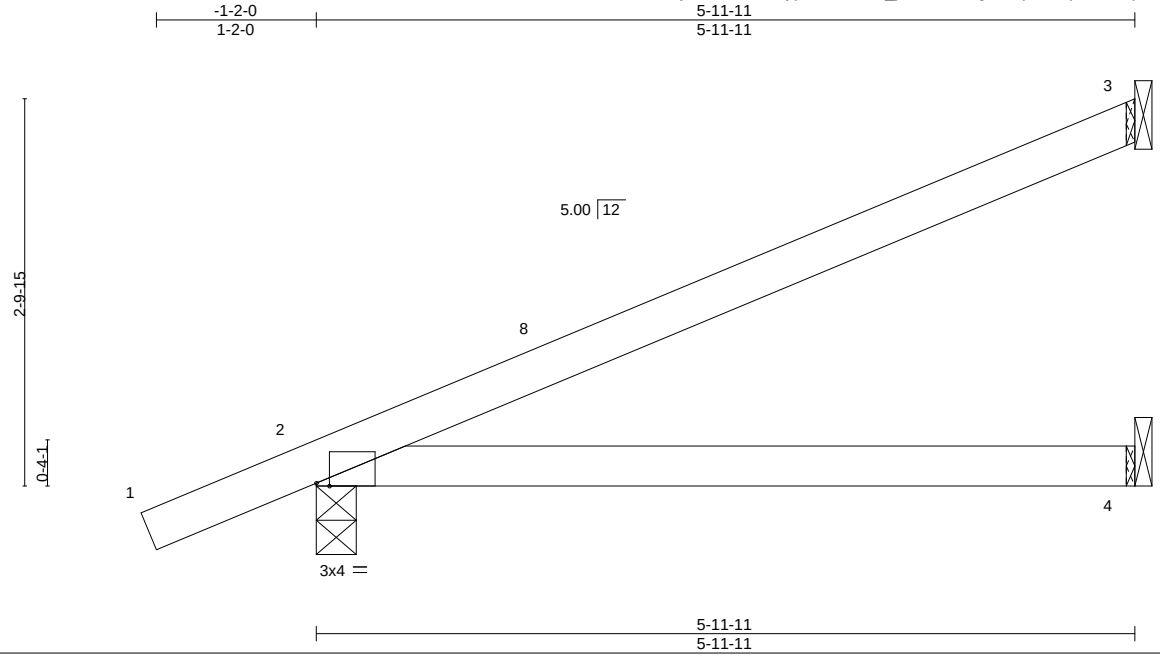

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

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	0.32	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 55 lb uplift at joint 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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	D1G	ROOF SPECIAL GIRDER	1	2	R73666233
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:56 2022 Page 1
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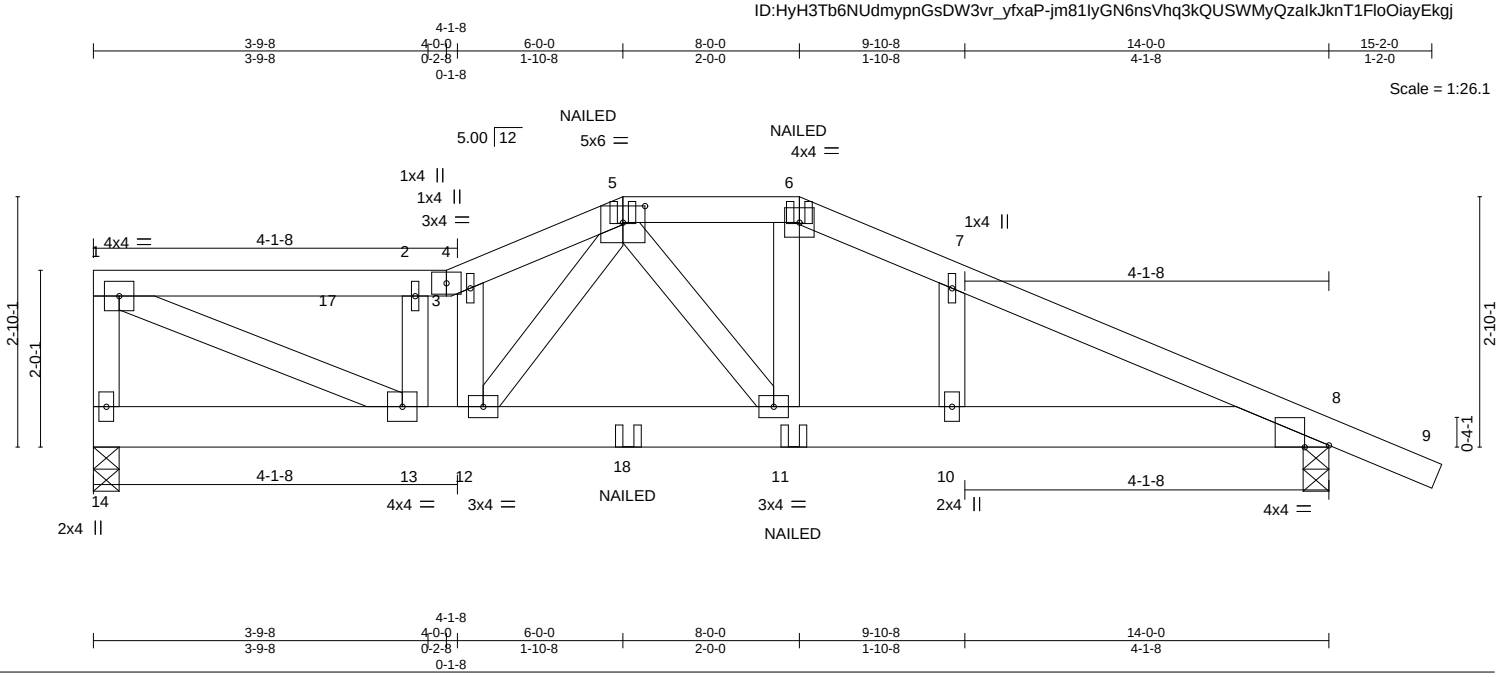

Plate Offsets (X,Y)-- [5:0-3-0,0-2-4], [8:0-3-5,Edge]

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	0.16	Vert(LL)	-0.03	10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.08	10-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.03	10	>999	240	Weight: 125 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 14=0-3-8, 8=0-3-8
Max Horz 14=-84(LC 6)
Max Uplift 14=-191(LC 4), 8=-213(LC 8)
Max Grav 14=1273(LC 1), 8=1347(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1192/198, 1-2=-2378/344, 2-3=-2378/344, 3-4=-2436/357, 4-5=-2583/391, 5-6=-2355/362, 6-7=-2499/374, 7-8=-2544/344
BOT CHORD 12-13=-278/2378, 11-12=-230/2057, 10-11=-250/2311, 8-10=-250/2311
WEBS 6-11=-102/740, 4-12=-437/69, 2-13=-737/179, 1-13=-356/2546, 5-12=-82/596, 5-11=-62/544

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=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) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
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) 14 and 8. 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) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 430 lb down and 79 lb up at 4-0-12, and 430 lb down and 79 lb up at 9-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

EXPIRES: 12/31/2024
November 28,2022

Continued on page 2

LOAD CASE(S) Standard

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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: 1-3=-68, 3-5=-68, 5-6=-68, 6-9=-68, 8-14=-20
   Concentrated Loads (lb)
   Vert: 11=-229(F) 10=-430 12=-430 18=-229(F)

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	D2	ROOF SPECIAL	1	1	R73666234
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:10:58 2022 Page 1
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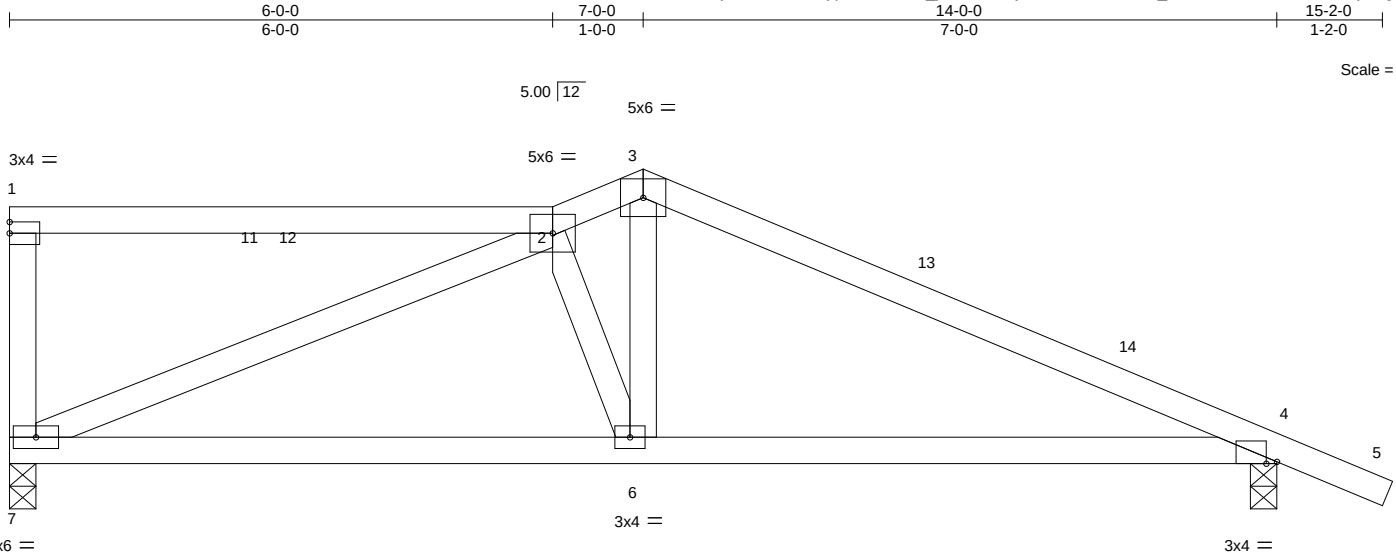

Plate Offsets (X,Y)-- [4:0-1-6,Edge]

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	0.58	Vert(LL)	-0.05	6-10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.15	6-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.06	6-10	>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) 4=0-3-8, 7=0-3-8
Max Horz 7=-113(LC 10)
Max Uplift 4=-101(LC 12), 7=-88(LC 8)
Max Grav 4=696(LC 1), 7=606(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-856/265, 3-4=-939/234
BOT CHORD 6-7=-125/864, 4-6=-106/814
WEBS 2-7=-872/312, 3-6=-21/377

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 15-2-11 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) 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) 4 and 7. 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	E1E	GABLE	1	1	R73666235
					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
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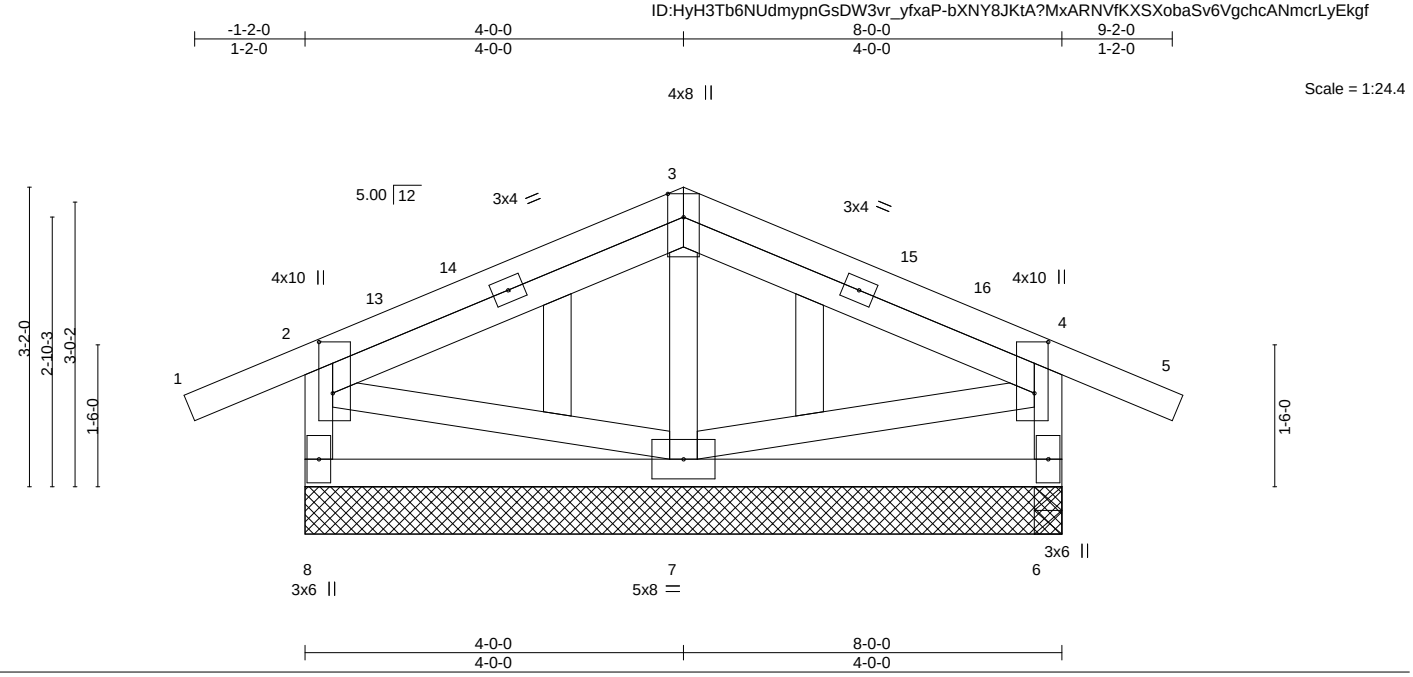

Plate Offsets (X,Y)-- [2:0-6-8,0-1-12], [4:0-6-8,0-1-12]

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)	-0.01	7-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.01	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		Wind(LL)	0.00	7	****	240	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
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 8-0-0.
(lb) - Max Horz 8=85(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) except 8=-767(LC 35), 6=-767(LC 36)
Max Grav All reactions 250 lb or less at joint(s) except 8=840(LC 44), 6=840(LC 43), 6=273(LC 1), 7=319(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1110/1095, 3-4=-1091/1114, 2-8=-890/852, 4-6=-846/905
BOT CHORD 7-8=-1069/1061, 6-7=-1004/1002
WEBS 2-7=-1049/1079, 4-7=-1049/1065

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 4-0-0, Exterior(2R) 4-0-0 to 7-0-0 , Interior(1) 7-0-0 to 9-2-11 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 767 lb uplift at joint 8 and 767 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 2000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 8-0-0 for 250.0 plf.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F1E	GABLE	1	1	R73666236
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:03 2022 Page 1
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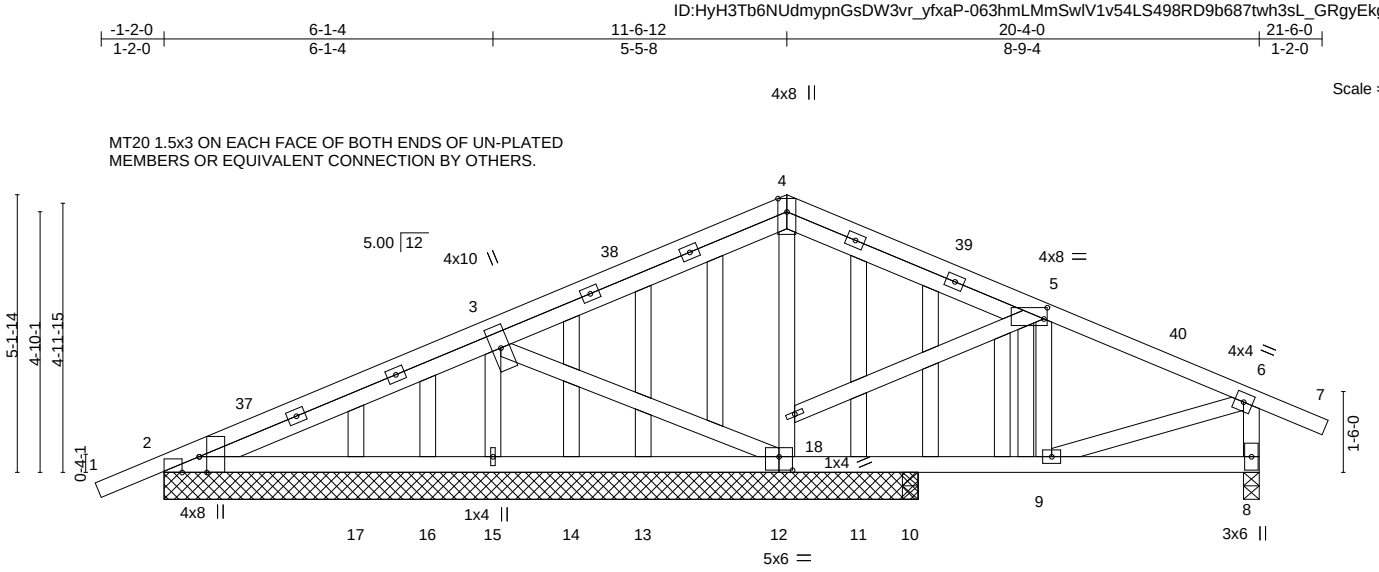

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-3-13,Edge], [5:0-0-12,0-2-8], [12:0-3-0,0-3-0]

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)	-0.01	9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.04	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.03	8-9	>999	240	Weight: 124 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.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. All bearings 14-0-0 except (jt=length) 8=0-3-8, 10=0-3-8.
(lb) - Max Horz 2=105(LC 33)
Max Uplift All uplift 100 lb or less at joint(s) 16, 17, 10 except 2=-277(LC 35), 12=-205(LC 36), 15=-351(LC 35), 8=-338(LC 36), 11=-113(LC 34)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 16, 17, 11, 10 except 2=359(LC 44), 12=426(LC 1), 15=553(LC 32), 8=543(LC 33), 2=288(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-558/482, 3-4=-623/555, 4-5=-301/276, 5-6=-624/431, 6-8=-529/418
BOT CHORD 2-17=-437/487, 16-17=-310/360, 15-16=-231/281, 11-12=-222/434, 10-11=-135/347, 9-10=-132/339, 8-9=-234/289
WEBS 3-15=-598/424, 3-12=-293/358, 12-18=-408/150, 4-18=-300/163, 6-9=-377/518, 5-18=-273/149

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 11-6-12, Exterior(2R) 11-6-12 to 14-6-12, Interior(1) 14-6-12 to 21-6-11 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) 16, 17 except (jt=lb) 2=277, 15=351, 2=277.
9) N/A
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 20-4-0 for 59.0 plf.

EXPIRES: 12/31/2024
November 28,2022

Continued on page 2

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F1E	GABLE	1	1	R73666236 Job Reference (optional)

NOTES-

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.

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F2	Common	1	1	R73666237
					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
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-1-2-0	6-1-4	11-6-12	13-10-4	20-4-0	21-6-0
1-2-0	6-1-4	5-5-8	2-3-8	6-5-12	1-2-0

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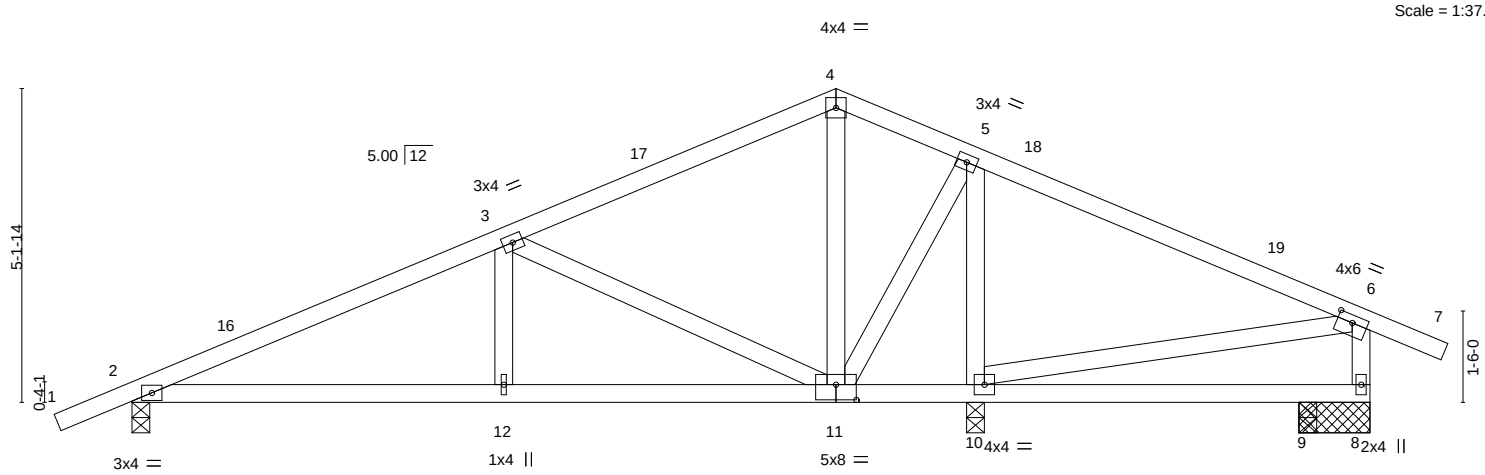

6-1-4	11-6-12	13-10-4	19-5-8	20-4-0
6-1-4	5-5-8	2-3-8	5-7-4	0-10-8

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

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	0.53	Vert(LL)	-0.03	12-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.09	12-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.03	12-15	>999	240	Weight: 84 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. All bearings 0-3-8 except (jt=length) 8=1-2-0.
(lb) - Max Horz 2=107(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 10 except 2=-102(LC 12), 8=-147(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 8, 9 except 2=631(LC 1), 10=1070(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-866/177, 5-6=-14/269
BOT CHORD 2-12=-135/760, 11-12=-135/760
WEBS 3-12=0/262, 3-11=-733/189, 5-11=-60/552, 5-10=-916/223, 6-10=-291/138

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) and C-C Exterior(2E) -1-2-11 to 1-9-5, Interior(1) 1-9-5 to 11-6-12, Exterior(2R) 11-6-12 to 14-6-12, Interior(1) 14-6-12 to 21-6-11 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) 8=147.
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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F3	Common	1	1	R73666238
					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
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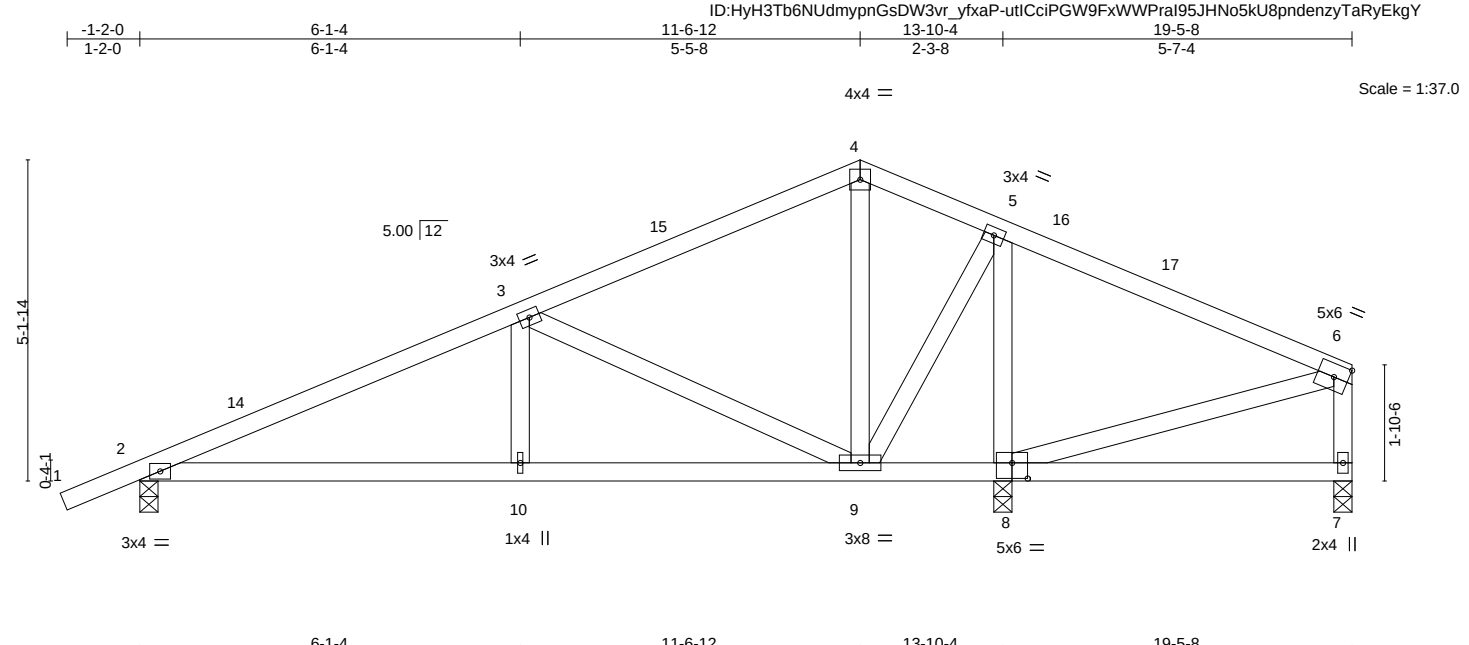

Plate Offsets (X,Y)-- [8:0-3-0,0-3-0]

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	0.39	Vert(LL)	-0.03	10-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.09	10-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.03	10-13	>999	240	Weight: 80 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) 2=0-3-8, 8=0-3-8, 7=0-3-8
Max Horz 2=117(LC 11)
Max Uplift 2=-97(LC 12), 8=-96(LC 12), 7=-30(LC 23)
Max Grav 2=635(LC 1), 8=1093(LC 1), 7=116(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-875/174, 5-6=-50/295
BOT CHORD 2-10=-183/769, 9-10=-183/769
WEBS 3-10=0/262, 3-9=-731/197, 5-9=-88/555, 5-8=-912/255, 6-8=-292/97

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 11-6-12, Exterior(2R) 11-6-12 to 14-6-12, Interior(1) 14-6-12 to 19-3-12 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F4	Roof Special	1	1	R73666239
					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
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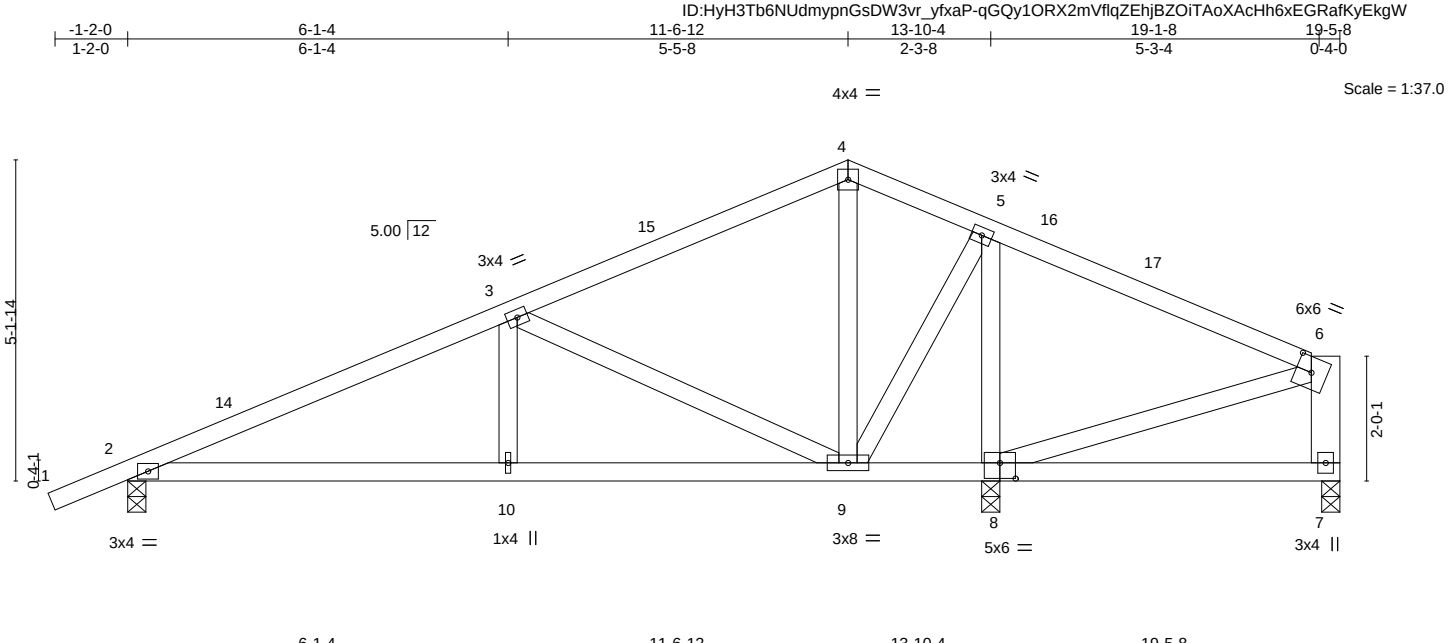

Plate Offsets (X,Y)-- [6:0-3-0,0-2-15], [8:0-3-0,0-3-0]

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	0.25	Vert(LL)	-0.03	10-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.09	10-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.03	10-13	>999	240	Weight: 80 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*
6-7: 2x6 SPF 1650F 1.5E

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

REACTIONS. (size) 7=0-3-8, 2=0-3-8, 8=0-3-8
Max Horz 2=118(LC 11)
Max Uplift 7=-34(LC 23), 2=-97(LC 12), 8=-95(LC 12)
Max Grav 7=114(LC 24), 2=636(LC 1), 8=1089(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-878/175, 5-6=-48/291
BOT CHORD 2-10=-186/771, 9-10=-186/771
WEBS 3-10=0/262, 3-9=-731/196, 5-9=-90/560, 5-8=-901/247, 6-8=-304/99

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 11-6-12, Exterior(2R) 11-6-12 to 14-6-12, Interior(1) 14-6-12 to 19-2-12 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) 7, 2, and 8. 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F5	ROOF SPECIAL	1	1	R73666240
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:10 2022 Page 1
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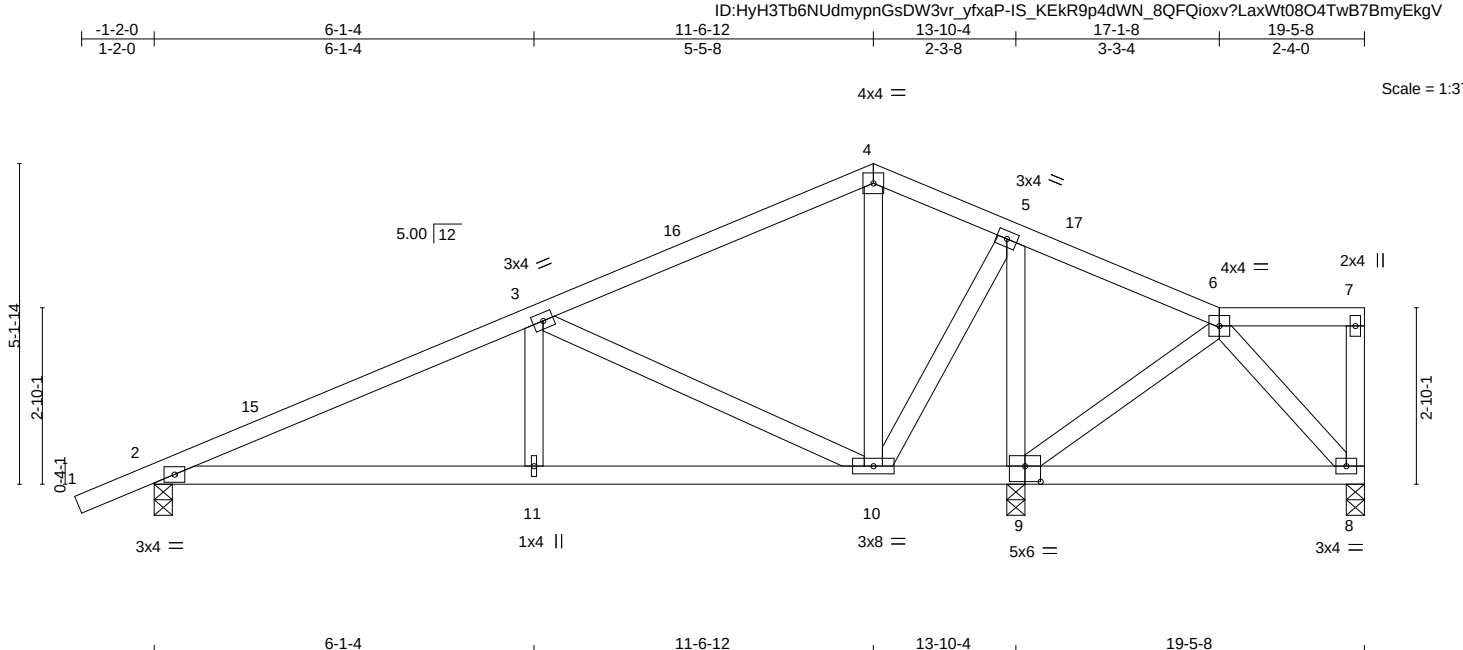

Plate Offsets (X,Y)-- [9:0-3-0,0-3-0]

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	0.25	Vert(LL)	-0.03	11-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.09	11-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.03	11-14	>999	240	Weight: 82 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=-95(LC 12), 9=-103(LC 12)
Max Grav 8=91(LC 24), 2=622(LC 1), 9=1139(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-843/165, 5-6=-84/336
BOT CHORD 2-11=-214/739, 10-11=-214/739, 9-10=-253/113
WEBS 3-11=0/263, 3-10=-729/195, 5-10=-148/626, 5-9=-867/244, 6-9=-271/103

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 11-6-12, Exterior(2R) 11-6-12 to 14-6-12, Interior(1) 14-6-12 to 19-3-12 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

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

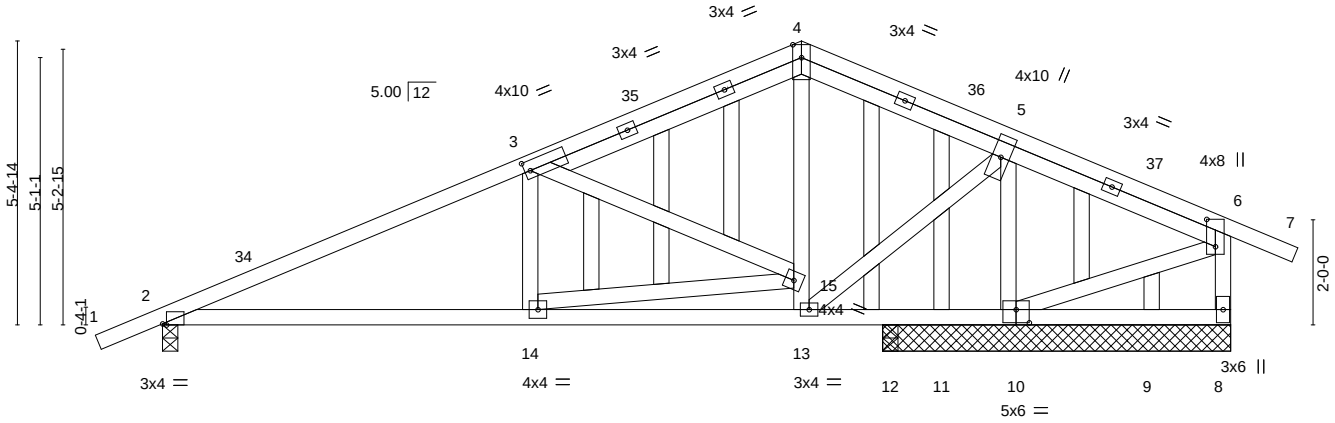
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F6E	GABLE	1	1	R73666241
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:13 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-j1fTtmU16??4ERs?wZGVYYdoh8VXDWSX9uPoo5yEkgS

-1-2-0 | 6-4-14 | 12-1-15 | 16-1-4 | 20-4-0 | 21-6-0
1-2-0 | 6-4-14 | 5-9-1 | 3-11-4 | 4-2-12 | 1-2-0

Scale = 1:43.9

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



6-4-14 | 7-0-0 | 12-1-15 | 14-0-0 | 16-1-4 | 20-4-0
6-4-14 | 0-7-2 | 5-1-15 | 1-10-1 | 2-1-4 | 4-2-12

Plate Offsets (X,Y)-- [2:0-0-14,Edge], [3:0-1-4,0-2-4], [6:0-6-4,0-2-0], [10:0-3-0,0-3-0]

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)	-0.05	14-33	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.14	14-33	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.05	14-33	>999	240	Weight: 123 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.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. All bearings 6-7-8 except (jt=length) 2=0-3-8, 12=0-3-8.
(lb) - Max Horz 2=120(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) 12 except 2=-611(LC 35), 10=-311(LC 35), 8=-685(LC 36), 11=-112(LC 32)
Max Grav All reactions 250 lb or less at joint(s) 11, 9, 12 except 2=962(LC 32), 10=1035(LC 1), 8=641(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1977/1380, 3-4=-854/661, 4-5=-700/526, 5-6=-806/915, 6-8=-617/684
BOT CHORD 2-14=-1295/1841, 13-14=-534/756, 11-12=-310/240, 10-11=-450/379, 9-10=-387/390
WEBS 13-15=-390/150, 5-13=-175/587, 5-10=-891/291, 6-10=-936/809, 3-15=-712/211, 14-15=-184/652

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 12-1-15, Exterior(2R) 12-1-15 to 15-1-15, Interior(1) 15-1-15 to 21-6-11 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 100 lb uplift at joint(s) except (jt=lb) 8=685.
8) N/A
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 2000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 20-4-0 for 98.4 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F7	Common	1	1	R73666242
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:15 2022 Page 1
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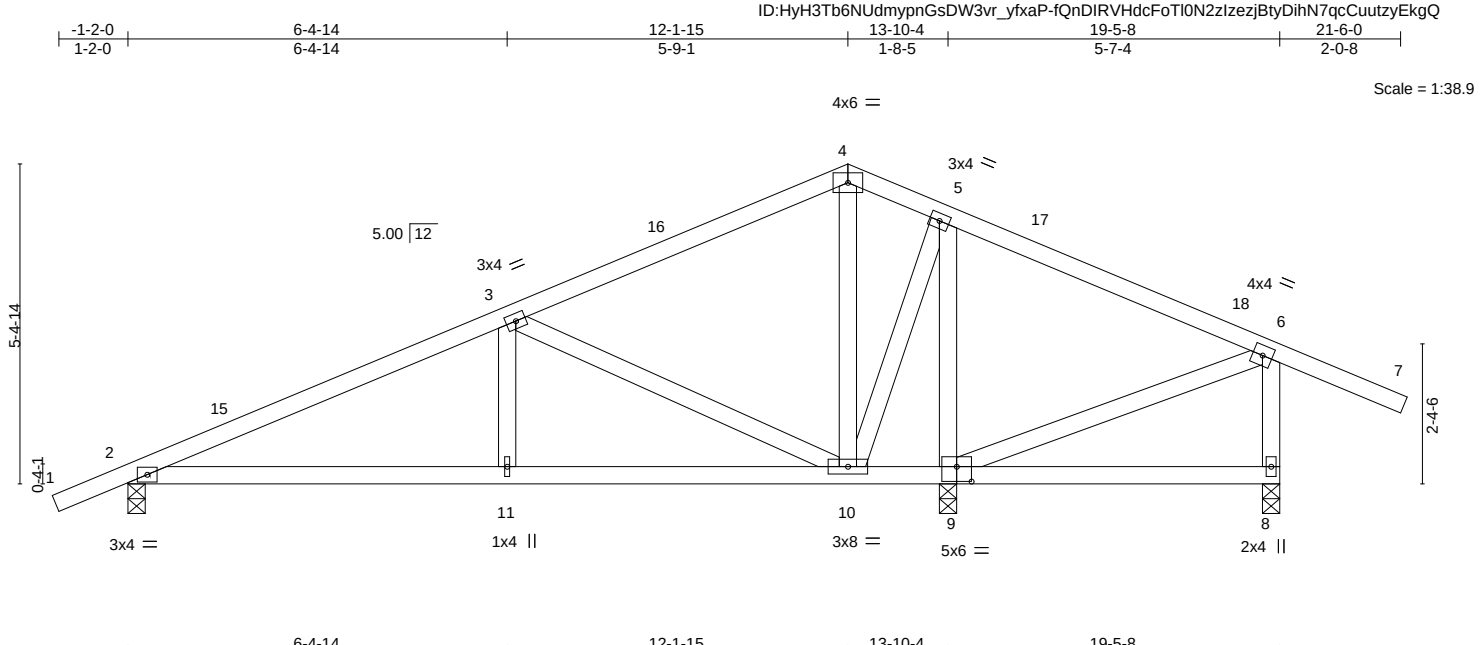

Plate Offsets (X,Y)-- [9:0-3-0,0-3-0]

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	0.28	Vert(LL)	-0.03	11-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.10	11-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.03	11-14	>999	240	Weight: 84 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) 2=0-3-8, 9=0-3-8, 8=0-3-8
Max Horz 2=131(LC 11)
Max Uplift 2=-99(LC 12), 9=-85(LC 12), 8=-98(LC 12)
Max Grav 2=626(LC 1), 9=1093(LC 1), 8=280(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-832/173, 5-6=-33/295
BOT CHORD 2-11=-143/727, 10-11=-143/727
WEBS 3-11=0/277, 3-10=-774/206, 5-10=-107/589, 5-9=-897/222

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 12-1-15, Exterior(2R) 12-1-15 to 15-1-15, Interior(1) 15-1-15 to 21-6-11 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, 9, and 8. 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F8	Common	2	1	R73666243
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:17 2022 Page 1
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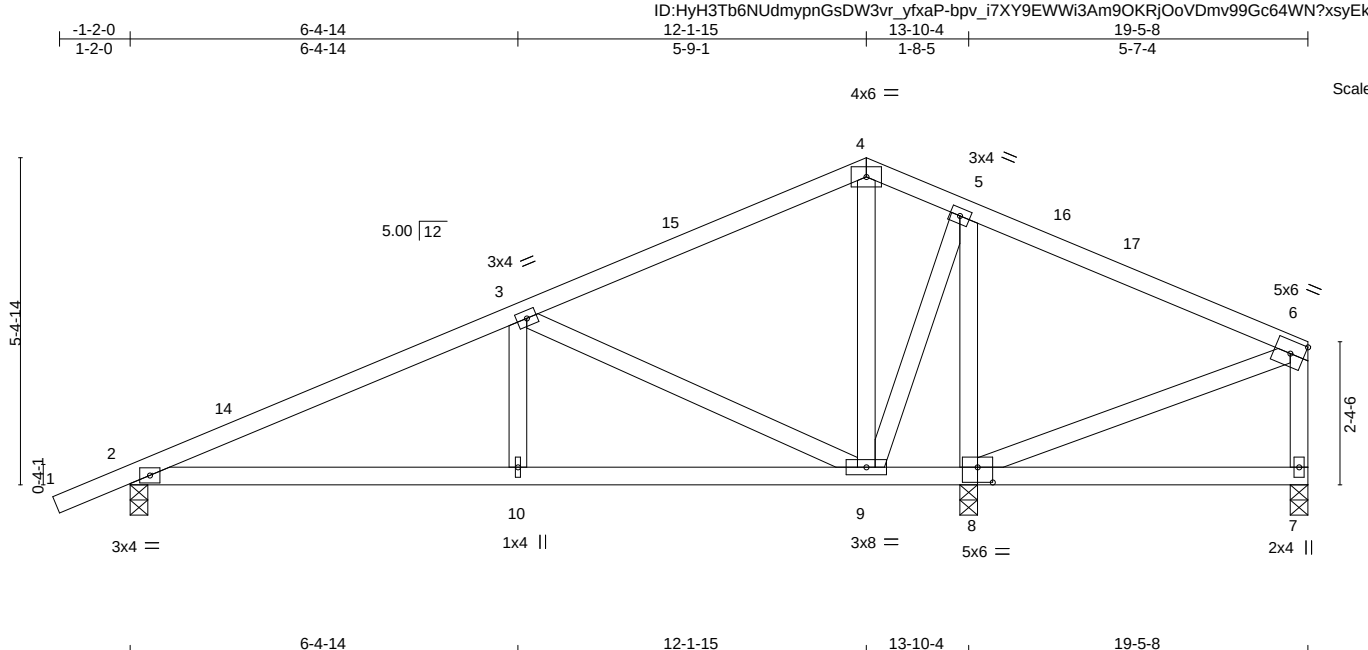

Plate Offsets (X,Y)-- [8:0-3-0,0-3-0]

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	0.42	Vert(LL)	-0.03	10-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.10	10-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.03	10-13	>999	240	Weight: 82 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) 2=0-3-8, 8=0-3-8, 7=0-3-8
Max Horz 2=133(LC 11)
Max Uplift 2=-95(LC 12), 8=-102(LC 12), 7=-40(LC 23)
Max Grav 2=630(LC 1), 8=1110(LC 1), 7=107(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-843/165, 5-6=-50/283
BOT CHORD 2-10=-192/737, 9-10=-192/737
WEBS 3-10=0/277, 3-9=-775/207, 5-9=-94/572, 5-8=-912/258, 6-8=-264/96

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=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 12-1-15, Exterior(2R) 12-1-15 to 15-1-15, Interior(1) 15-1-15 to 19-3-12 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	F9	ROOF SPECIAL	1	1	R73666244
					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
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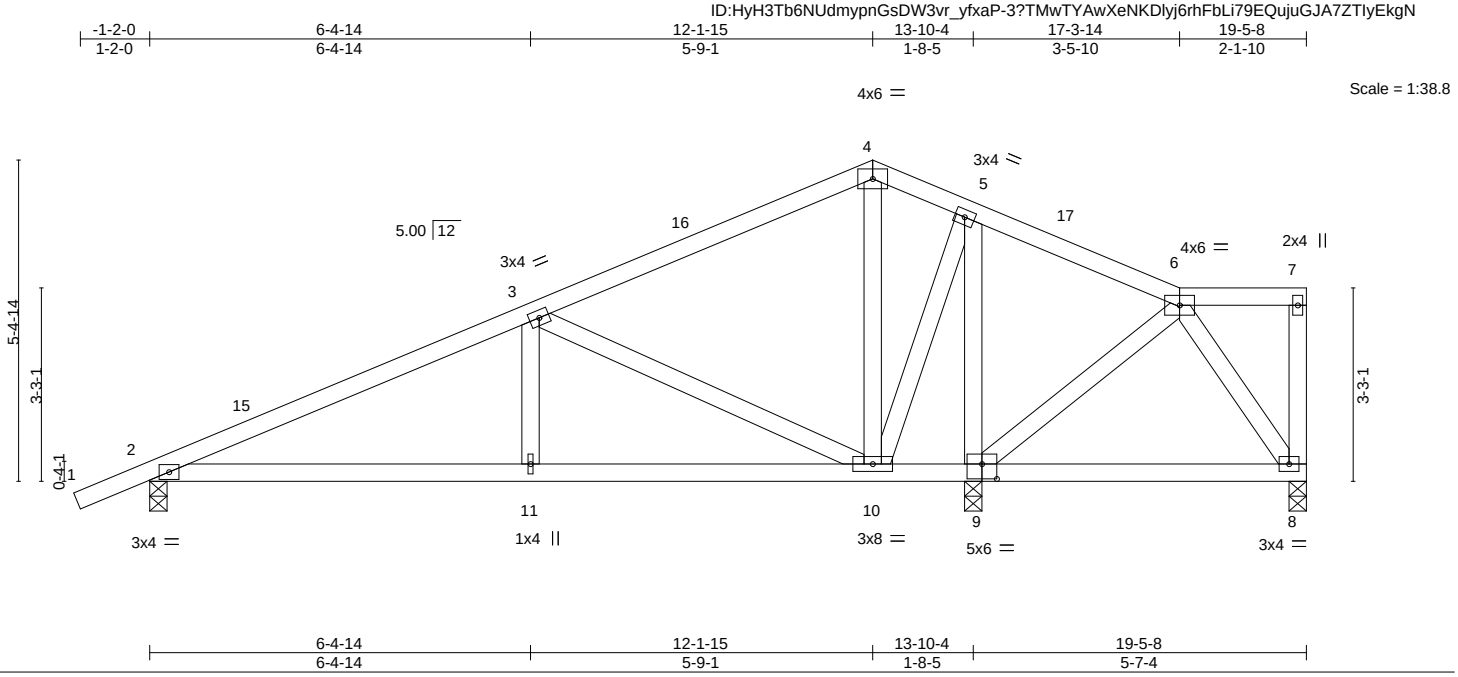

Plate Offsets (X,Y)-- [9:0-3-0,0-3-0]

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	0.28	Vert(LL)	-0.03	11-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.10	11-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.03	11-14	>999	240	Weight: 85 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=154(LC 11)
Max Uplift 8=-62(LC 23), 2=-94(LC 12), 9=-104(LC 12)
Max Grav 8=92(LC 24), 2=622(LC 1), 9=1140(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-821/160, 5-6=-72/303
BOT CHORD 2-11=-223/717, 10-11=-223/717
WEBS 3-11=0/277, 3-10=-773/206, 5-10=-155/628, 5-9=-858/240, 6-9=-264/103

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 12-1-15, Exterior(2R) 12-1-15 to 15-1-15, Interior(1) 15-1-15 to 19-3-12 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

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

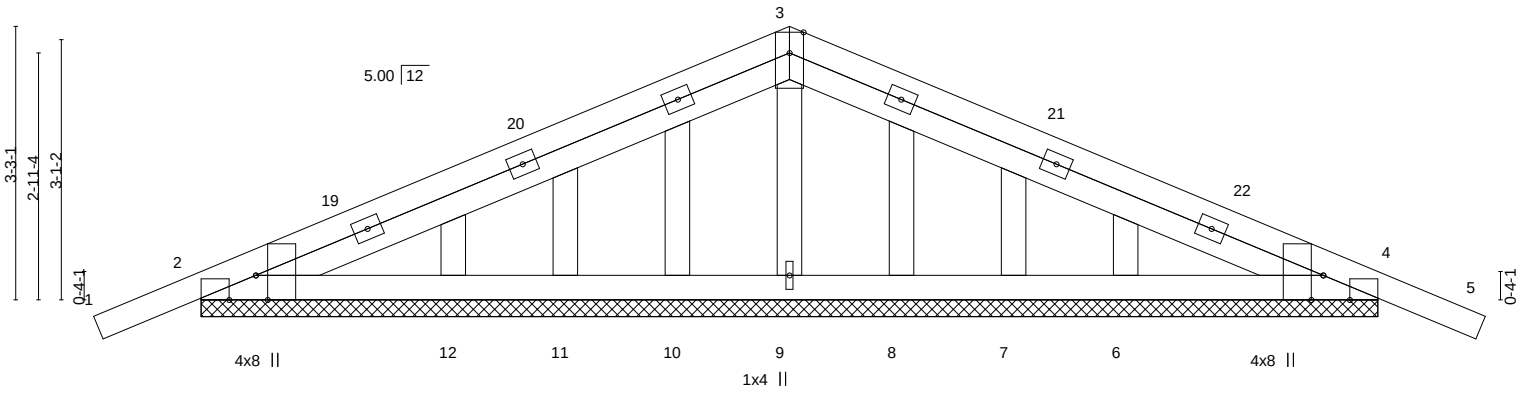
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	G1E	GABLE	1	1	R73666245
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:21 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-Ua8UYVa2DS0yBgTXOEPOtEzF?NIm5Dri?8LD4dyEkgK

-1-2-0 | 7-0-0 | 14-0-0 | 15-2-0
1-2-0 | 7-0-0 | 7-0-0 | 1-2-0

Scale = 1:27.4

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



7-0-0 | 14-0-0
7-0-0 | 7-0-0

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	0.18	Vert(CT)	0.02	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.12	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 64 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 14-0-0.
(lb) - Max Horz 2=47(LC 33)
Max Uplift All uplift 100 lb or less at joint(s) 9, 11, 7 except 2=-348(LC 35), 4=-348(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 10, 11, 12, 8, 7, 6 except 2=425(LC 44), 4=431(LC 33), 9=477(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-750/712, 3-4=-749/726
BOT CHORD 2-12=-591/631, 11-12=-334/385, 10-11=-220/259, 7-8=-220/259, 6-7=-334/385, 4-6=-591/638
WEBS 3-9=-457/210

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 7-0-0, Exterior(2R) 7-0-0 to 10-0-0, Interior(1) 10-0-0 to 15-2-11 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) 9, 11, 7 except (jt=lb) 2=348, 4=348.
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 14-0-0 for 85.7 plf.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	HJ4	Jack-Closed	2	1	R73666246
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:24 2022 Page 1
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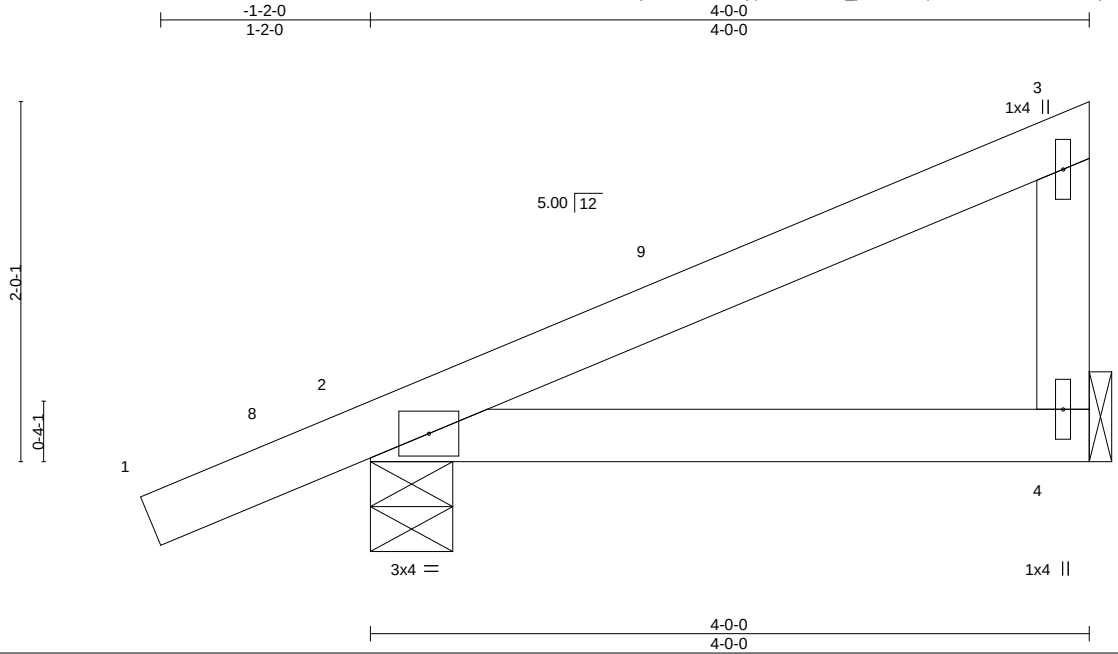

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.01	4-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.02	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		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.
BOT CHORD Rigid ceiling directly applied.

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) 4.
6) Two SBP6 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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	HJ6	Jack-Closed	2	1	R73666247
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:25 2022 Page 1
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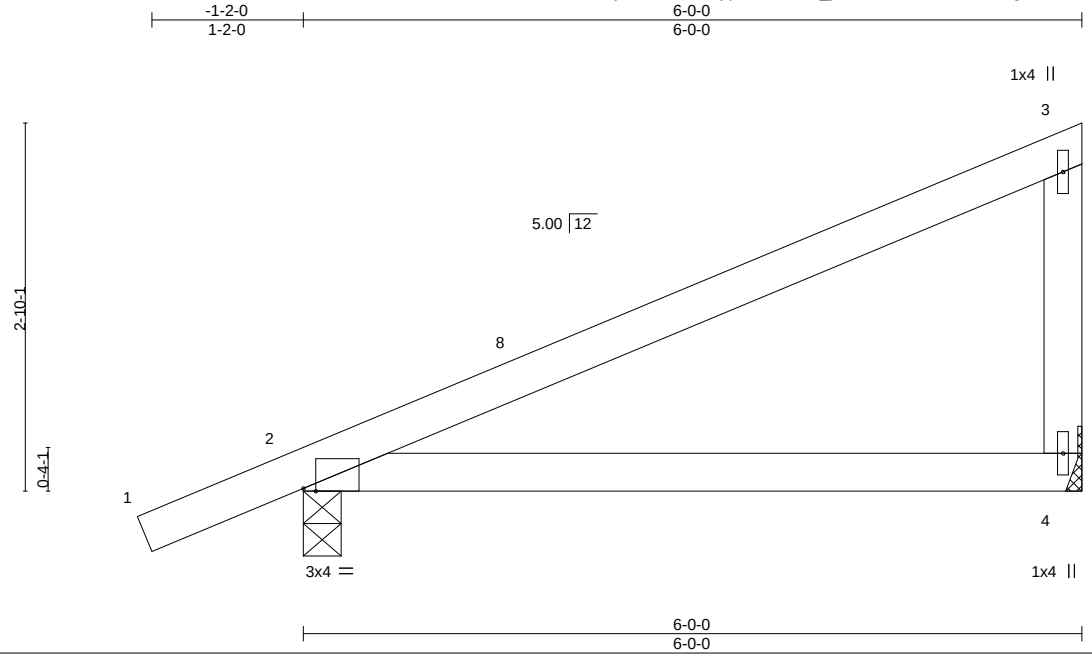

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

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	0.32	Vert(LL)	-0.04	4-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.12	4-7	>605	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.06	4-7	>999	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.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 4=Mechanical
Max Horz 2=103(LC 12)
Max Uplift 2=-57(LC 12), 4=-35(LC 12)
Max Grav 2=349(LC 1), 4=249(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 5-10-4 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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	HJ8	Jack-Closed	6	1	R73666248
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:27 2022 Page 1
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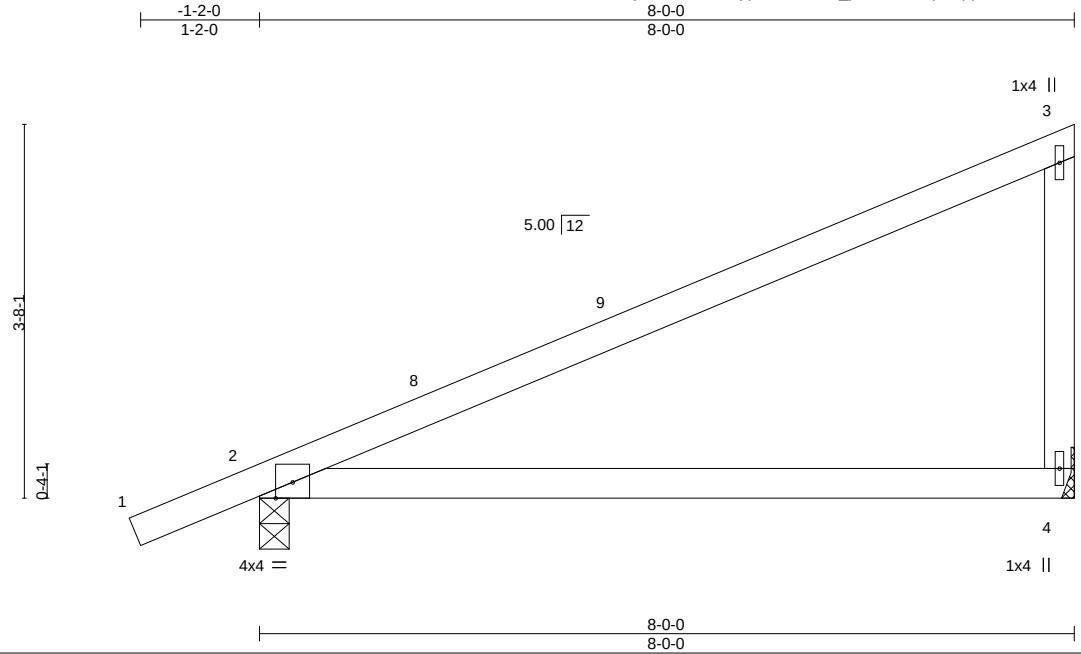

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.13	4-7	>726	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.37	4-7	>253	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		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.

EXPIRES: 12/31/2024
November 28,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	HJ8A	Jack-Closed	2	1	R73666249
					Job Reference (optional)

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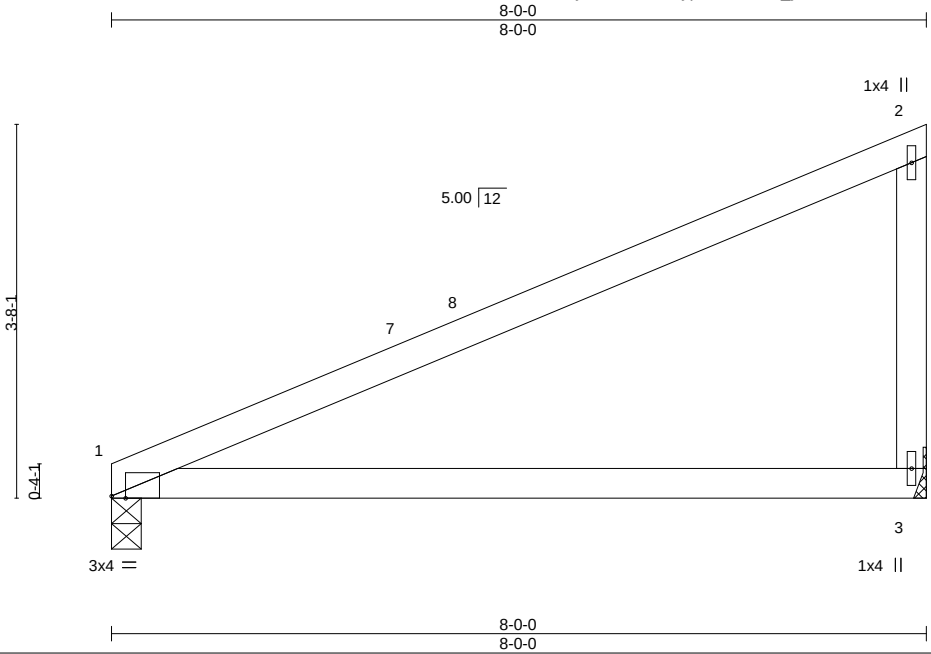

Plate Offsets (X,Y)-- [1:0-1-10,Edge]

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.

EXPIRES: 12/31/2024
November 28,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	HJ9	Jack-Closed	2	1	R73666250
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:29 2022 Page 1
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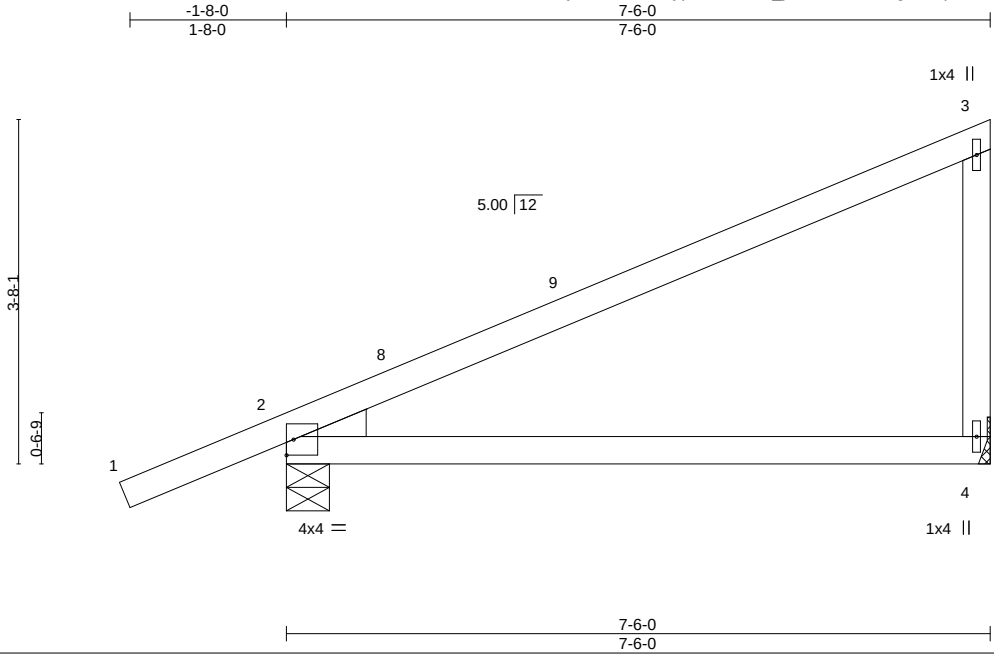

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.11	4-7	>814	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.28	4-7	>314	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.10	4-7	>847	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
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (size) 2=0-5-8, 4=Mechanical
Max Horz 2=133(LC 12)
Max Uplift 2=-77(LC 12), 4=-46(LC 12)
Max Grav 2=454(LC 1), 4=310(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) -1-8-11 to 1-3-5, Interior(1) 1-3-5 to 7-4-4 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 SBP6 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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	HJ9A	Jack-Closed	1	1	R73666251
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:31 2022 Page 1
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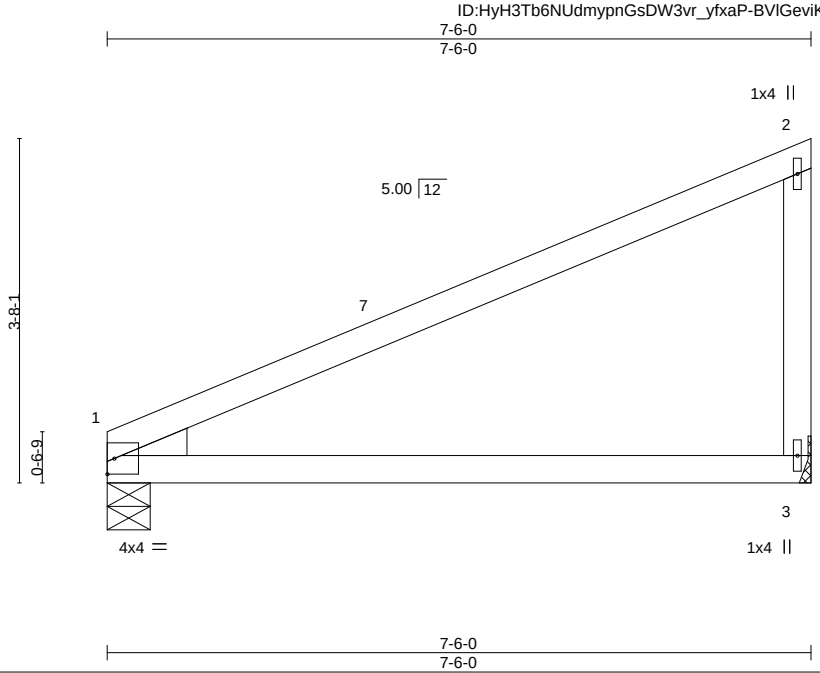

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.11	3-6	>813	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.30	3-6	>295	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.03	1	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.12	3-6	>737	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
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (size) 1=0-5-8, 3=Mechanical
Max Horz 1=98(LC 12)
Max Uplift 1=-6(LC 12), 3=-53(LC 12)
Max Grav 1=324(LC 1), 3=324(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 7-4-4 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 SBP6 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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	HJ18	Jack-Closed	2	1	R73666252
					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
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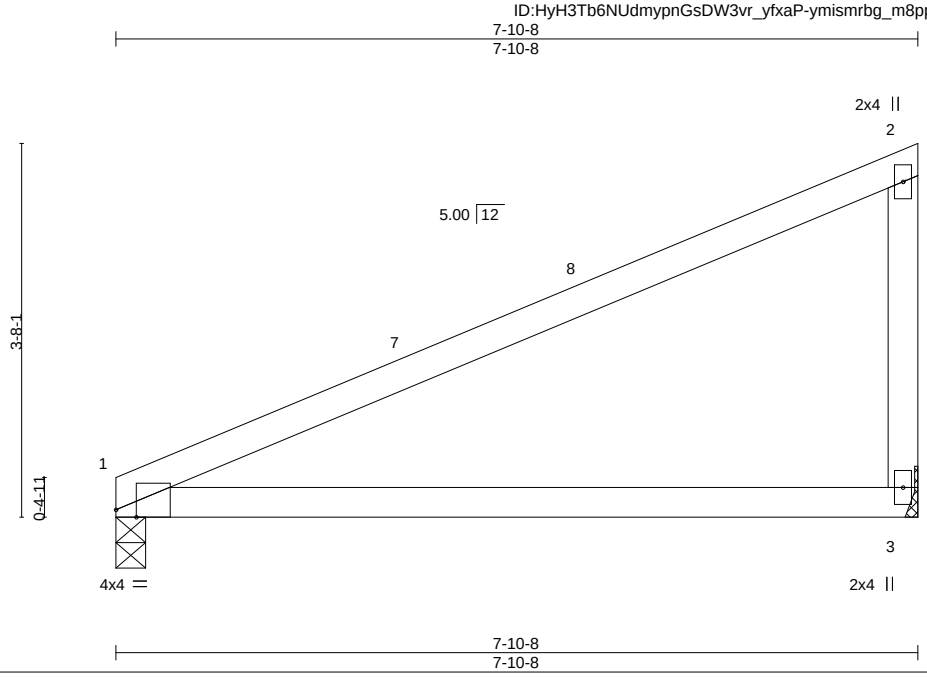

Plate Offsets (X,Y)-- [1:0-2-6,Edge]

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	0.60	Vert(LL)	-0.12	3-6	>747	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.36	3-6	>258	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.21	3-6	>432	240	Weight: 22 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=0-3-8, 3=Mechanical
Max Horz 1=127(LC 11)
Max Uplift 1=-26(LC 12), 3=-36(LC 12)
Max Grav 1=340(LC 1), 3=340(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-256/295

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=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 7-8-12 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
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.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	JG1	JACK-CLOSED GIRDER	1	1	R73666253
					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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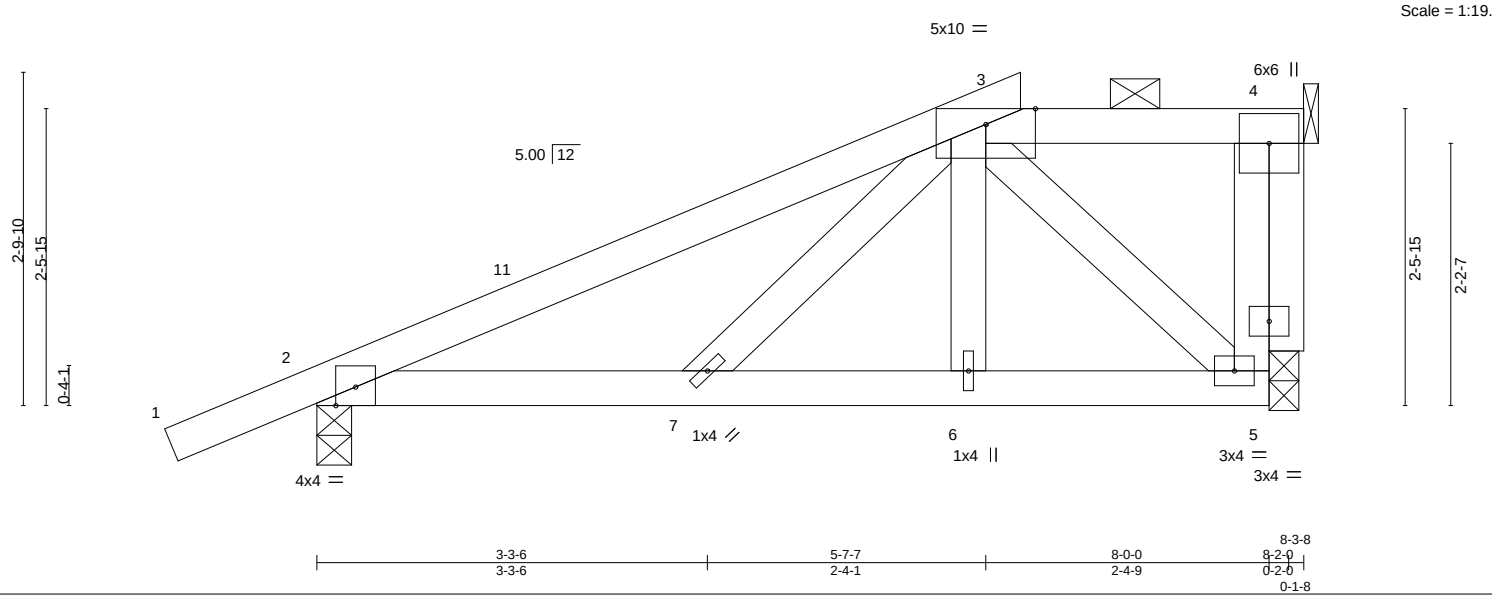

3-3-6 3-3-6 | 5-7-7 2-4-1 | 8-0-0 2-4-9 | 8-3-8 8-2-0 0-2-0 0-1-8

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	0.29	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=-118(LC 9), 4=-36(LC 8)
Max Grav 2=650(LC 1), 5=852(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=-1047/357
BOT CHORD 2-7=-419/948, 6-7=-348/789, 5-6=-355/787
WEBS 3-5=-1123/483

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=118.
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) 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) 833 lb down and 321 lb up at 5-9-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

LOAD CASE(S) Standard

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

EXPIRES: 12/31/2024
November 28,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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: 1-3=-68, 3-4=-68, 5-8=-20
   Concentrated Loads (lb)
   Vert: 3=-741

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	JG1P		1	1	R73666254
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:35 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-4G_nUHlqwlnztqYDDAfgRBYcK00bNXfmDJkyapyEkg6

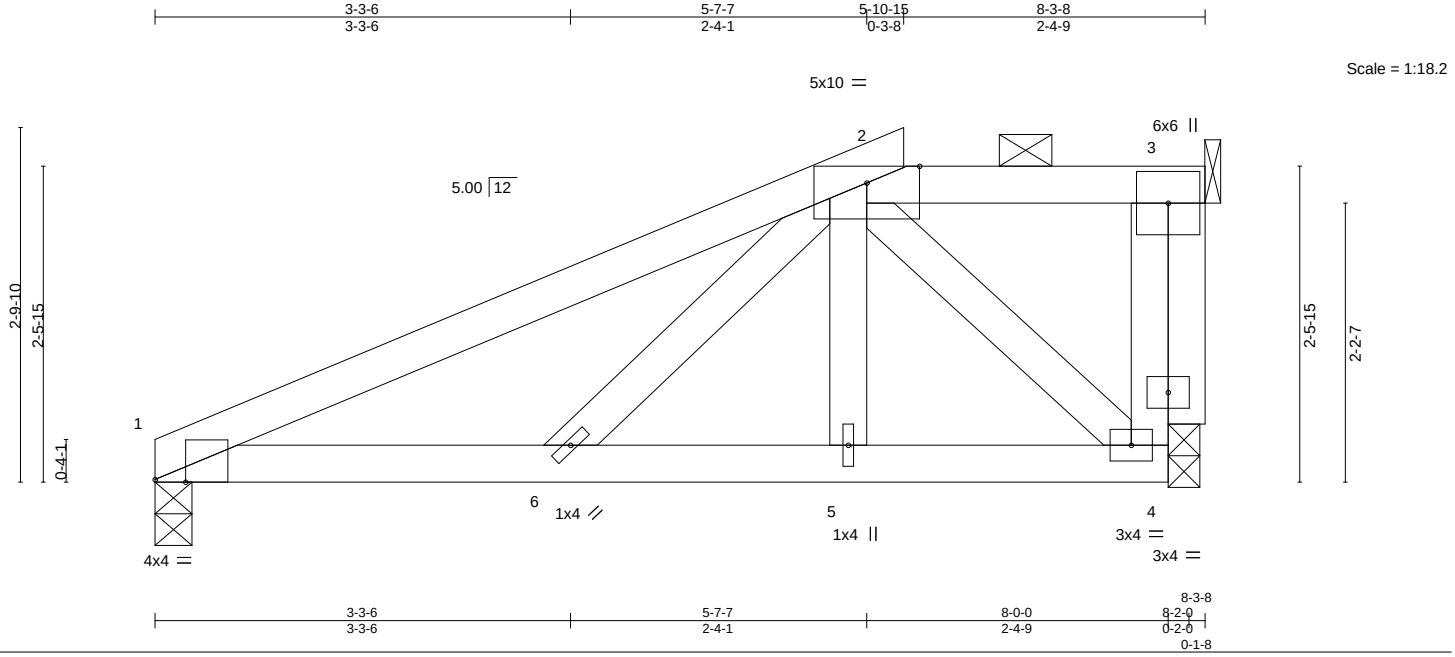

Plate Offsets (X,Y)-- [1:0-2-14,Edge]

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	0.31	Vert(LL)	-0.01	6-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.03	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP		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 or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 4=0-3-0, 3=Mechanical
Max Horz 1=88(LC 7)
Max Uplift 1=-30(LC 8), 4=-10(LC 5), 3=-36(LC 4)
Max Grav 1=352(LC 1), 4=275(LC 1), 3=77(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-553/54
BOT CHORD 1-6=-31/440
WEBS 2-4=-339/28, 2-6=-32/284

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) 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) 4, 3.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	JG2	JACK-CLOSED GIRDER	2	1	R73666255
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:37 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-0f6Xvzm5SN1h67icKbh8XcdyBqlprQB3gdD3eiyEkg4

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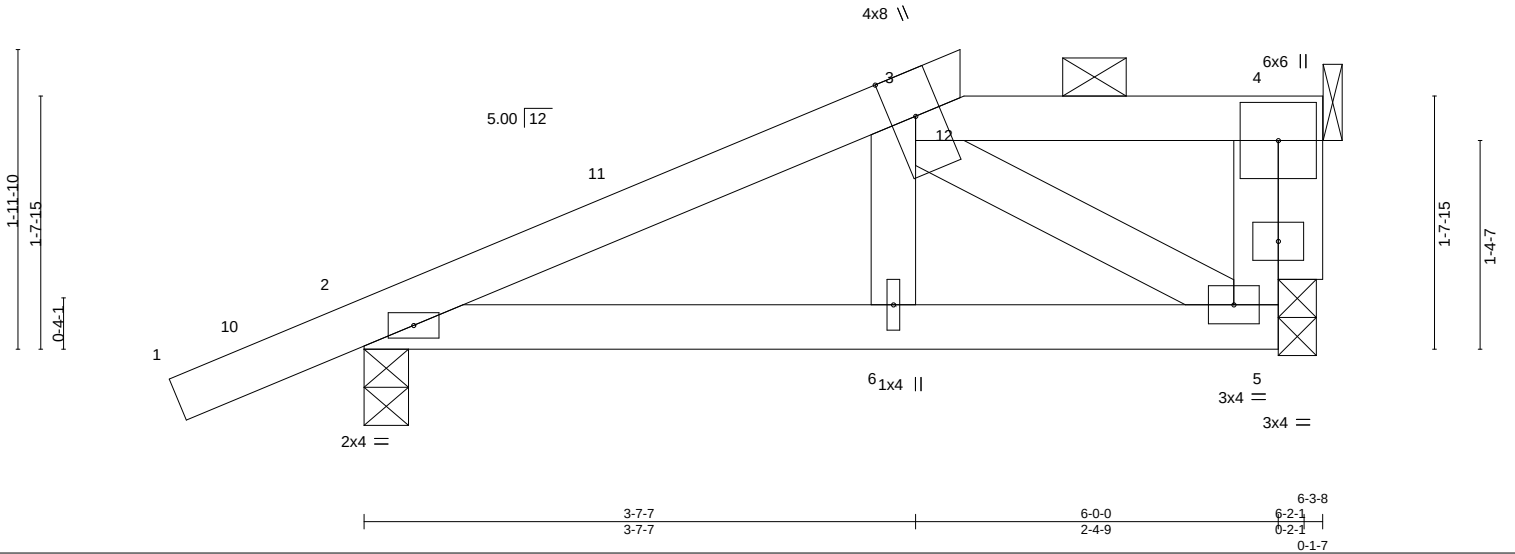
Scale = 1:15.1



3-7-7 / 3-7-7 | 6-0-0 / 2-4-9 | 6-3-8 / 6-2-1 / 0-2-1 / 0-1-7

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	6	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.02	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.01	6-9	>999	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
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=61(LC 11)
Max Uplift 2=-90(LC 12), 5=-58(LC 9), 4=-51(LC 8)
Max Grav 2=542(LC 1), 5=475(LC 19), 4=156(LC 19)

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

TOP CHORD	2-3=-870/368
BOT CHORD	2-6=-410/825, 5-6=-412/820
WEBS	3-5=-920/453

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 3-7-1, Exterior(2E) 3-7-1 to 6-0-0 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) 5, 4.
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) 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) 603 lb down and 269 lb up at 3-11-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

EXPIRES: 12/31/2024
November 28,2022

LOAD CASE(S) Standard

Continued on page 2

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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: 1-3=-68, 3-4=-68, 5-7=-20
   Concentrated Loads (lb)
   Vert: 12=-536

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

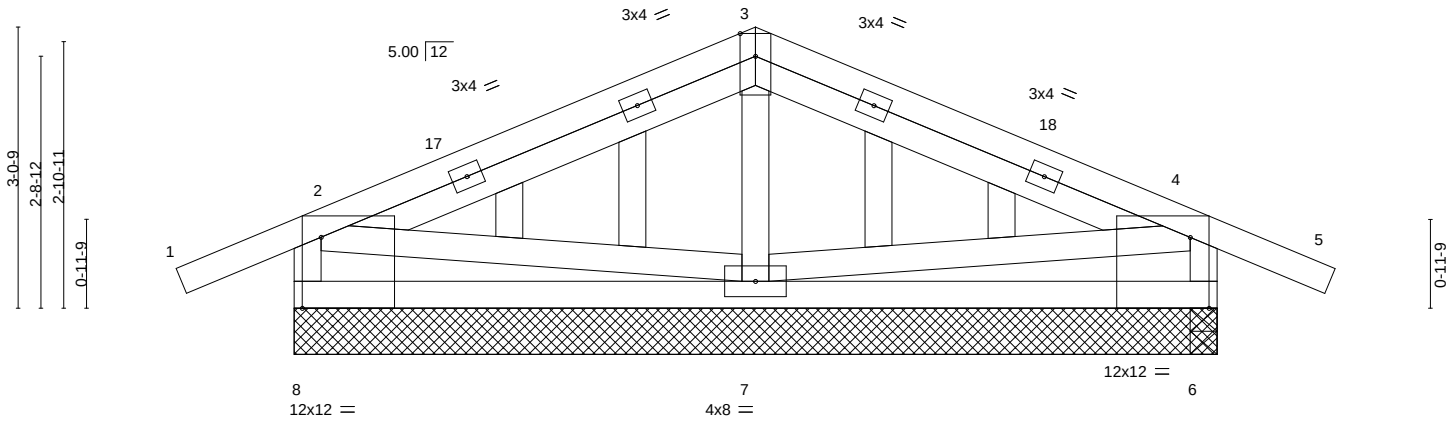
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P1E	GABLE	1	1	R73666256
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:39 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-y1EIKfoL__HOLRr?S0jcc1iEVdRtJIbM8xiAjayEkg2

-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 = 1:25.0

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



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], [6:0-2-7,Edge], [8:0-2-7,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	0.56	Vert(LL)	-0.01	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.02	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.00	6-7	>999	240	Weight: 56 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=-231(LC 32)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 8=-575(LC 35), 6=-595(LC 36)
Max Grav All reactions 250 lb or less at joint(s) except 8=661(LC 32), 6=689(LC 33), 6=335(LC 1), 7=371(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1055/1018, 3-4=-1093/1077, 2-8=-842/770, 4-6=-809/835
BOT CHORD 7-8=-619/687, 6-7=-726/783
WEBS 2-7=-678/679, 4-7=-657/652

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 100 lb uplift at joint(s) 7 except (jt=lb) 8=575.
8) N/A
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 2000 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 200.0 plf.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P1EB	GABLE	1	1	R73666257
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:42 2022 Page 1
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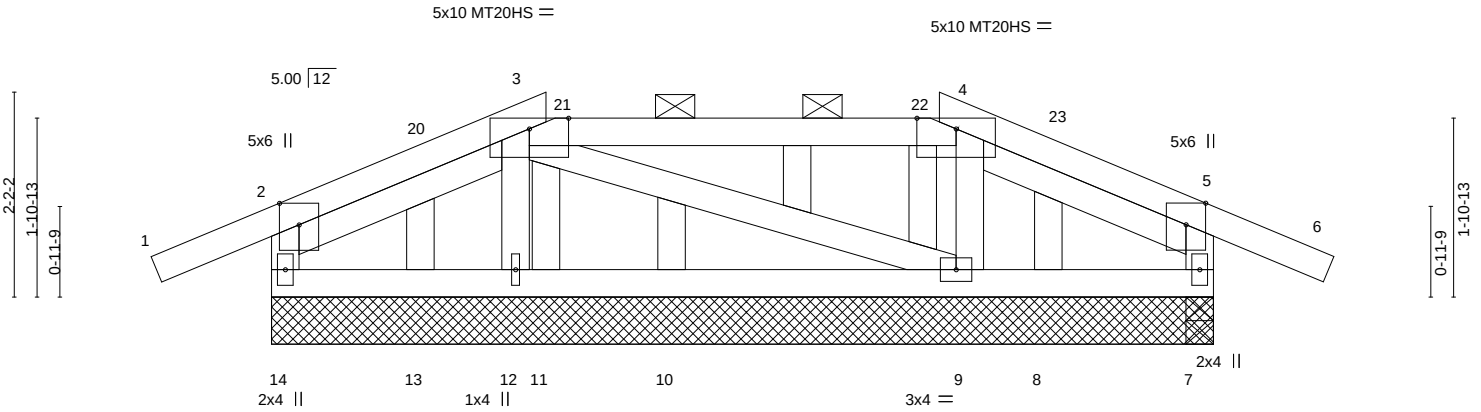
-1-2-0 2-8-13 3-0-0 7-0-0 7-3-3 10-0-0 11-2-0
1-2-0 2-8-13 0-3-3 4-0-0 0-3-3 2-8-13 1-2-0

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

Scale = 1:24.5



2-8-13 3-0-0 7-0-0 7-3-3 10-0-0
2-8-13 0-3-3 4-0-0 0-3-3 2-8-13

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)	-0.00	9-10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.00	9-10	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.00	7-8	>999	240	Weight: 49 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.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 10-0-0.
(lb) - Max Horz 14=-48(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 11, 13, 8 except 14=-229(LC 35), 7=-228(LC 36), 9=-275(LC 28), 12=-323(LC 29)
Max Grav All reactions 250 lb or less at joint(s) 14, 7, 11, 13, 10, 8 except 7=253(LC 33), 9=421(LC 39), 12=414(LC 40)

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

TOP CHORD	2-3=-232/253, 3-4=-548/591, 5-7=-199/265
BOT CHORD	10-11=-233/258, 9-10=-549/574
WEBS	3-9=-658/663, 3-12=-416/348, 4-9=-255/143

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=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 2-8-10, Exterior(2R) 2-8-10 to 6-11-9, Interior(1) 6-11-9 to 7-4-15, Exterior(2E) 7-4-15 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
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) 11, 13 except (jt=lb) 14=229, 12=323.
10) N/A
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 10-0-0 for 100.0 plf.
13) 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

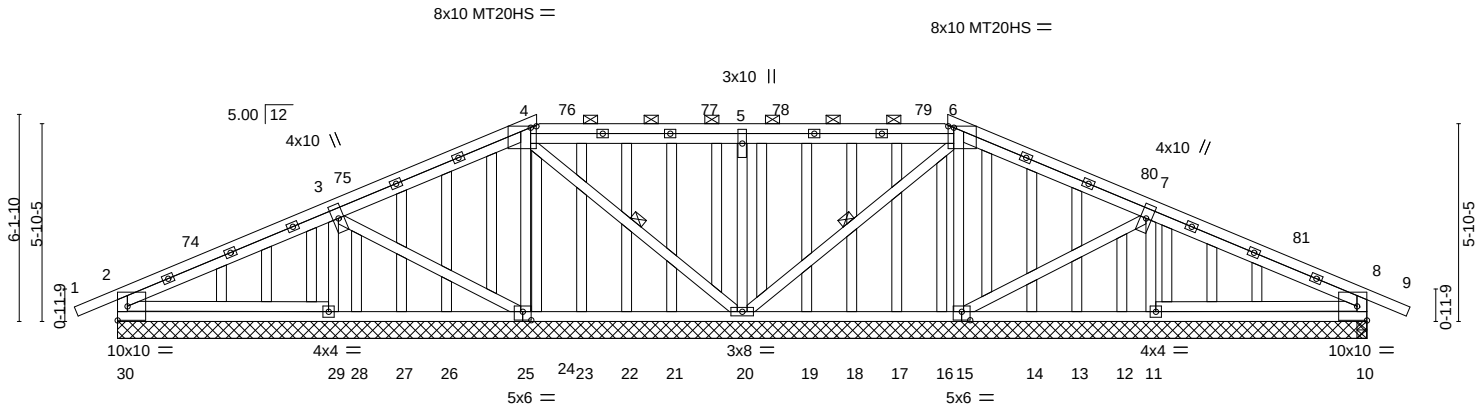
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P1EBFW	GABLE	1	1	R73666258
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:48 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-BmHiDkv_slP7wq1jTPOjTwapEFV1wOngCrO8WZyEkfv

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

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

Scale = 1:68.2



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 34)
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), 25=365(LC 1), 20=674(LC 1), 11=565(LC 48), 10=379(LC 48), 10=377(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, 3-25=-265/236, 5-20=-487/161, 7-11=-430/264, 2-29=-259/206, 8-11=-252/198, 4-25=-276/123, 6-15=-276/126, 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, 24 except (jt=lb) 30=214, 29=119, 28=241.
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

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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P1EBFW	GABLE	1	1	R73666258 Job Reference (optional)

NOTES-

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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

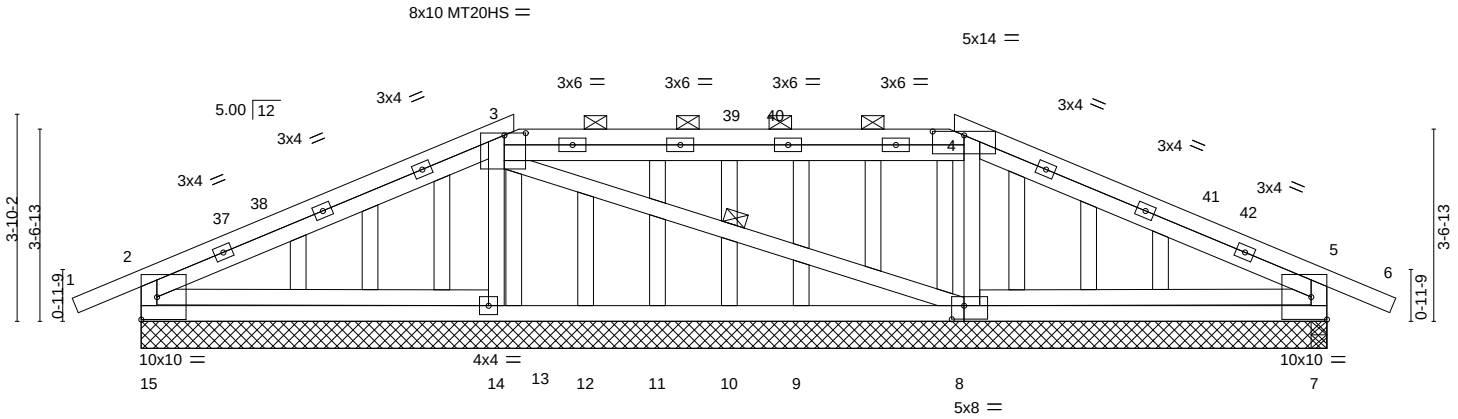
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P1EBX	GABLE	1	1	R73666259
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:11:52 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-4YWC25yVw_wYPRLViFSfemlSHtrVsA3G7TMMfKyEkfr

-1-2-0 | 6-8-13 | 7-0-0 | 15-0-0 | 15-3-3 | 22-0-0 | 23-2-0
1-2-0 | 6-8-13 | 0-3-3 | 8-0-0 | 0-3-3 | 6-8-13 | 1-2-0

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

Scale = 1:42.8



6-8-13 | 7-0-0 | 15-0-0 | 15-3-3 | 22-0-0
6-8-13 | 0-3-3 | 8-0-0 | 0-3-3 | 6-8-13

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

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	0.55	Vert(LL)	-0.04	7-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.09	7-8	>904	240	MT20HS	139/108
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-S		Wind(LL)	0.01	7-8	>999	240	Weight: 144 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.): 3-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-8

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 15=68(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) 8 except 15=-308(LC 35), 7=-279(LC 36), 13=-556(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 12, 11, 10, 9 except 15=446(LC 44), 8=625(LC 48), 7=438(LC 33), 7=405(LC 1), 14=966(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-602/491, 3-4=-454/414, 4-5=-563/437, 2-15=-445/332, 5-7=-398/347
BOT CHORD 14-15=-266/395, 9-10=-169/271, 8-9=-308/414, 7-8=-214/408
WEBS 3-8=-267/277, 3-14=-472/186, 4-8=-490/199, 2-14=-388/358, 5-8=-370/313

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 6-8-9, Exterior(2R) 6-8-9 to 10-11-8, Interior(1) 10-11-8 to 15-3-8, Exterior(2R) 15-3-8 to 19-6-6, Interior(1) 19-6-6 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
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) except (jt=lb) 15=308, 13=556.
10) N/A
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 22-0-0 for 45.5 plf.
13) 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

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

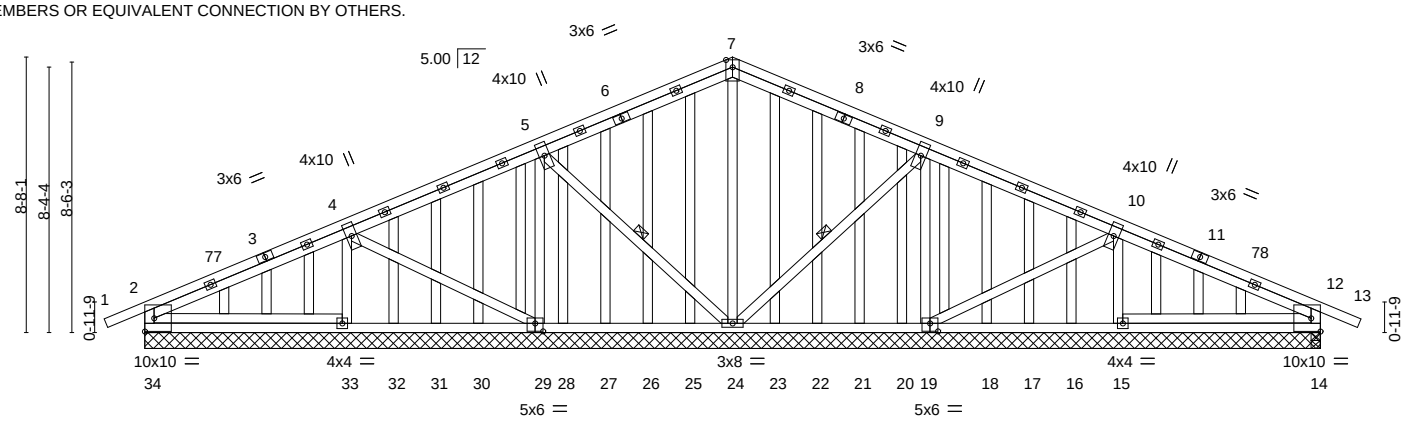
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P1EFW	GABLE	1	1	R73666260
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:00 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-r4?Ekq2W1RwQNgy1AwcXyS4sz5b4kmJRziInxtyEkfj

1-2-0	6-4-5	12-5-2	18-6-0	24-6-13	30-7-10	37-0-0	38-2-0
1-2-0	6-4-5	6-0-13	6-0-13	6-0-13	6-0-13	6-4-6	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.



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

Plate Offsets (X,Y)-- [7:0-0-0,0-0-0], [8:0-0-0,0-0-0], [8:0-0-0,0-0-0], [11:0-0-0,0-0-0], [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	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.07	14-15	>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 5-24, 9-24

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), 33=-156(LC 35), 24=-115(LC 36), 19=-127(LC 36), 15=-156(LC 36), 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), 33=534(LC 47), 24=551(LC 1), 19=389(LC 48), 15=534(LC 48), 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	2-4=-441/306, 4-5=-393/331, 5-7=-270/277, 7-9=-269/285, 9-10=-384/334, 10-12=-414/305, 2-34=-355/246, 12-14=-327/283
BOT CHORD	33-34=-144/356, 14-15=-106/270
WEBS	4-33=-437/259, 4-29=-250/238, 5-29=-363/220, 7-24=-380/56, 9-19=-362/209, 10-19=-251/237, 10-15=-439/265, 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 except (jt=lb) 34=218, 29=127, 33=156, 24=115.
9) N/A
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 37-0-0 for 27.0 plf.

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November 28,2022

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

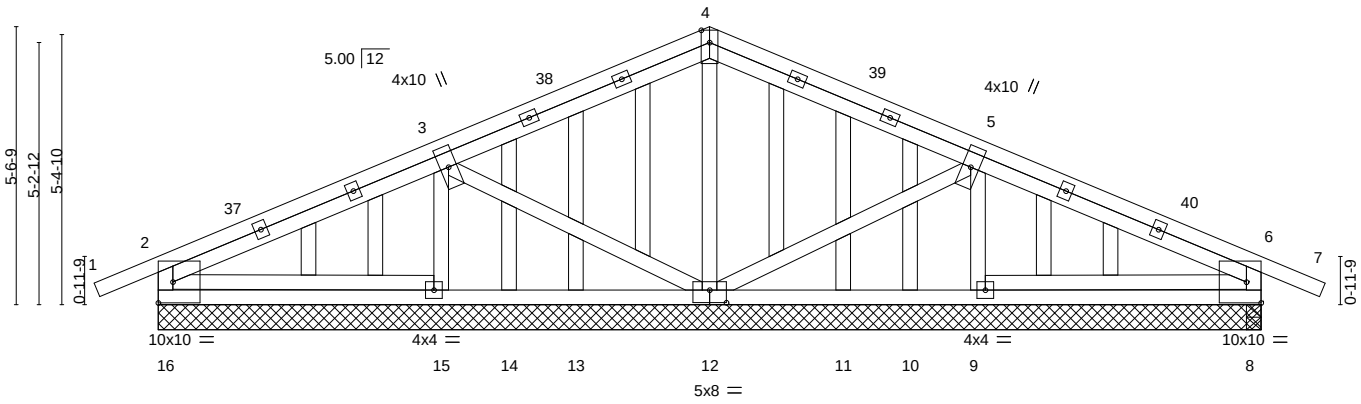
Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P1EX	GABLE	1	1	R73666261
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:03 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-FfhMMs4OKMI_E7hcs39Ea5iNOIdexByufgXRYByEkfg

-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

Scale = 1:46.0

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



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)-- [4:0-0-0,0-0-0], [4:0-0-0,0-0-0], [5:0-0-0,0-0-0], [5:0-0-0,0-0-0], [5:0-0-0,0-0-0], [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	0.37	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: 148 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=-93(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 12, 14, 10 except 16=-251(LC 35), 15=-161(LC 35), 9=-162(LC 36), 8=-250(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 13, 11 except 16=375(LC 44), 15=485(LC 47), 12=409(LC 1), 9=485(LC 48), 8=379(LC 33), 8=343(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-460/375, 3-4=-359/327, 4-5=-358/333, 5-6=-458/376, 2-16=-368/274, 6-8=-339/319
BOT CHORD 15-16=-195/323, 12-13=-175/277, 8-9=-166/289
WEBS 3-15=-431/302, 3-12=-268/268, 4-12=-294/74, 5-12=-269/256, 5-9=-434/296, 2-15=-292/274, 6-9=-288/260

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) 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 except (jt=lb) 16=251, 15=161.
9) N/A
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 22-0-0 for 45.5 plf.

EXPIRES: 12/31/2024
November 28,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P2	Common	4	1	R73666262
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:05 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-B2o7nY6fszZiTRr?zTBifWnmm6JYP5vB6_0Yd4yEkfe

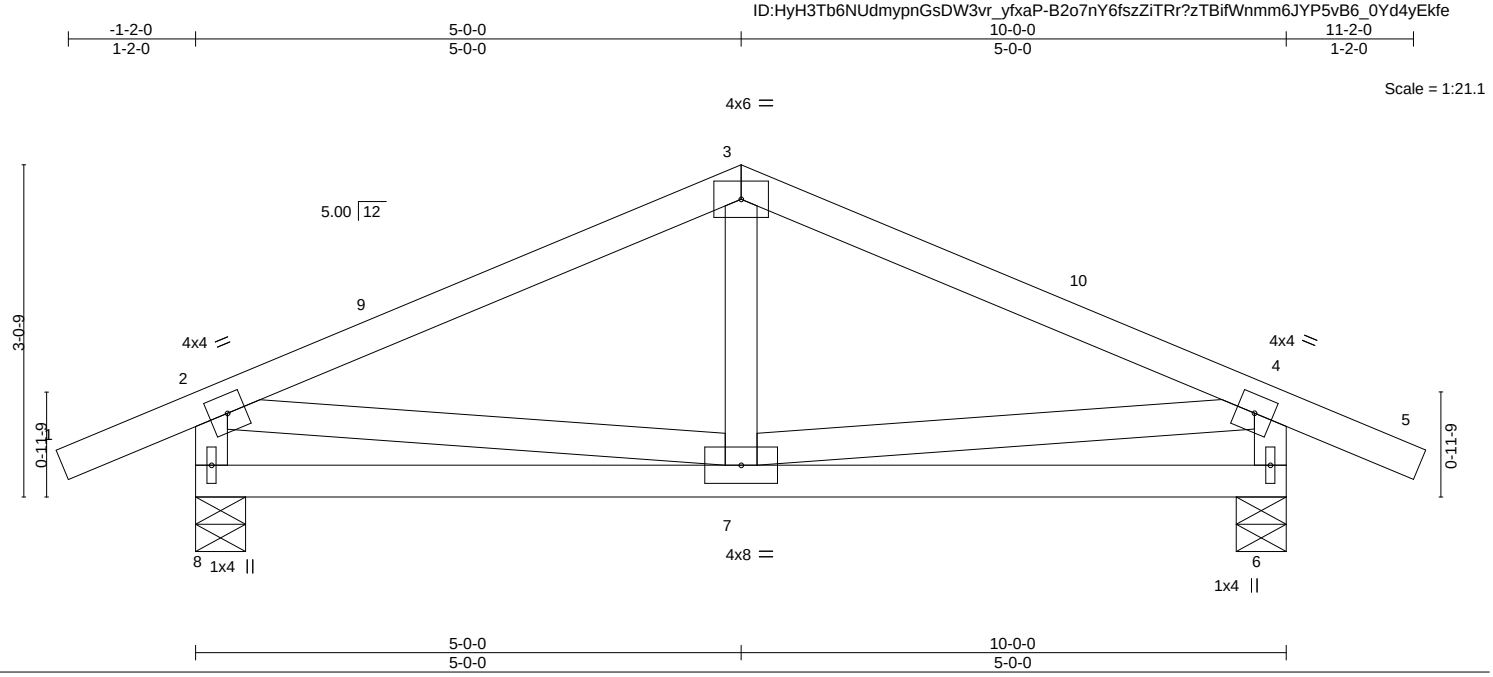

Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

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	7-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.03	7-8	>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 11)
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) Two SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P2A	Common	1	1	R73666263
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:07 2022 Page 1
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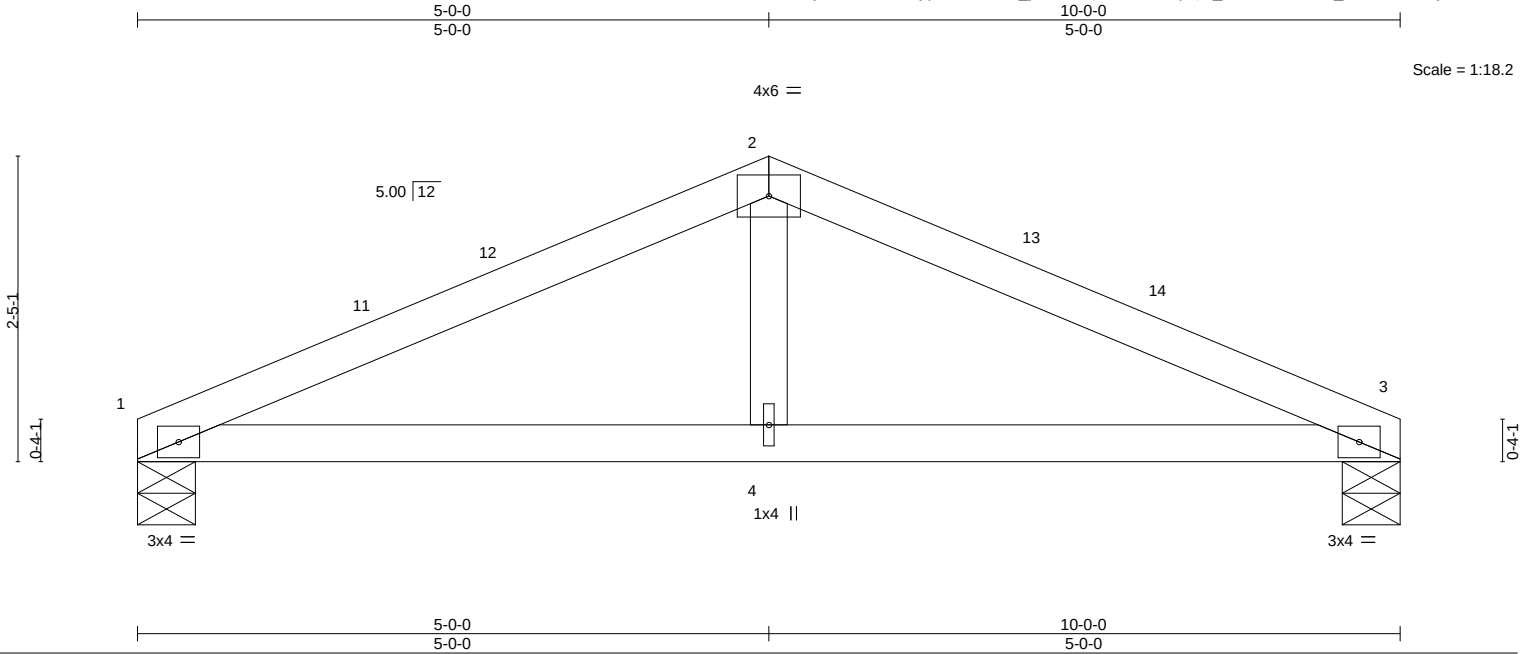

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.02	4-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.05	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		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 11)
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) Two SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 3. 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P2B	HIP	1	1	R73666264
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:09 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-4p2edv99wC38y28mCJGeqMyRTjf6Lnum1c_ImryEkfa

-1-2-0	4-7-12	8-8-13	9-0-0	13-0-0	13-3-3	17-4-5	22-0-0	23-2-0
1-2-0	4-7-12	4-1-1	0-3-3	4-0-0	0-3-3	4-1-1	4-7-11	1-2-0

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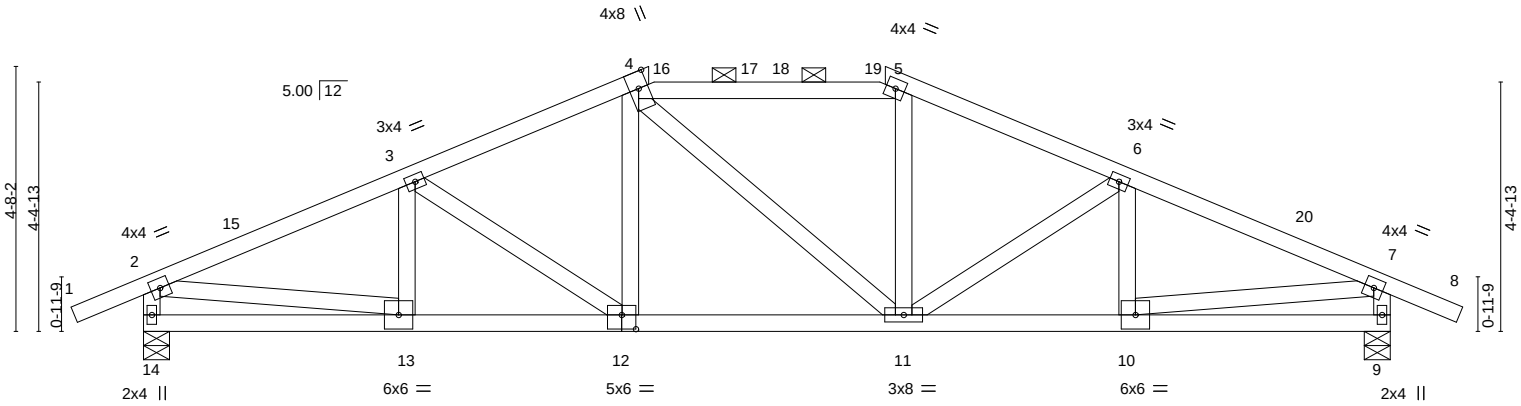

4-7-12	8-8-13	9-0-0	13-0-0	13-3-3	17-4-5	22-0-0
4-7-12	4-1-1	0-3-3	4-0-0	0-3-3	4-1-1	4-7-11

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

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)	-0.03	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.11	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.03	12	>999	240	Weight: 98 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 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 14=0-5-8, 9=0-5-8
Max Horz 14=-58(LC 10)
Max Uplift 14=-138(LC 12), 9=-138(LC 12)
Max Grav 14=1048(LC 1), 9=1048(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1499/230, 3-4=-1356/248, 4-5=-1181/249, 5-6=-1327/245, 6-7=-1497/229
BOT CHORD 12-13=-146/1332, 11-12=-104/1213, 10-11=-160/1330
WEBS 5-11=0/296, 2-14=-1007/230, 7-9=-1007/230, 2-13=-162/1349, 7-10=-162/1347

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 8-7-15, Exterior(2R) 8-7-15 to 12-10-13, Interior(1) 12-10-13 to 13-4-15, Exterior(2R) 13-4-15 to 17-4-5, Interior(1) 17-4-5 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) 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 SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 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.
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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P2BFW	HIP	1	1	R73666265
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:11 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-0BAO2bBQRpJsBMI8KkI6vn1iPXD2phZ3VwTsqkyEkfY

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

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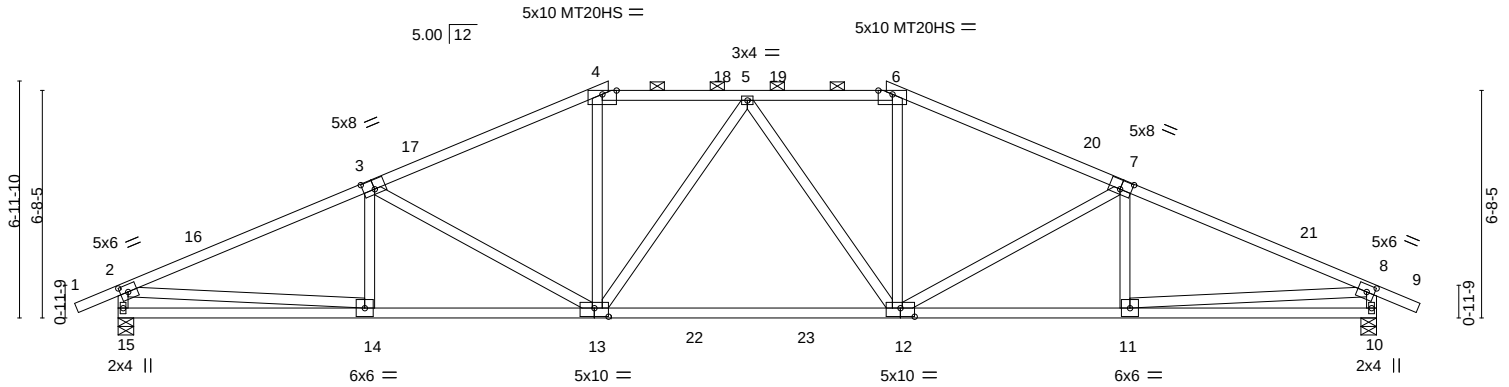

7-4-12	14-2-13	14-6-0	22-6-0	22-9-3	29-7-4	37-0-0
7-4-12	6-10-1	0-3-3	8-0-0	0-3-3	6-10-1	7-4-12

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], [12:0-5-0,0-3-0], [13:0-5-0,0-3-0]

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	0.56	Vert(LL)	-0.31	12-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.64	12-13	>690	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.11	12-13	>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 (4-6-10 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=-3182/367, 3-4=-2718/366, 4-5=-2424/370, 5-6=-2424/370, 6-7=-2718/366, 7-8=-3182/367
BOT CHORD 13-14=-255/2965, 12-13=-192/2572, 11-12=-268/2880
WEBS 4-13=-27/767, 6-12=-27/767, 3-13=-565/130, 7-12=-565/129, 2-15=-1775/302, 2-14=-267/2893, 8-10=-1775/302, 8-11=-267/2893, 5-13=-356/83, 5-12=-356/83

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) Two SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 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.
10) 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P2C	Common	2	1	R73666266
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:13 2022 Page 1
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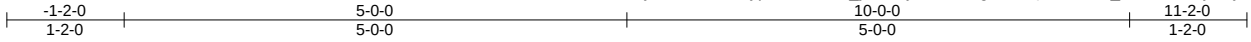

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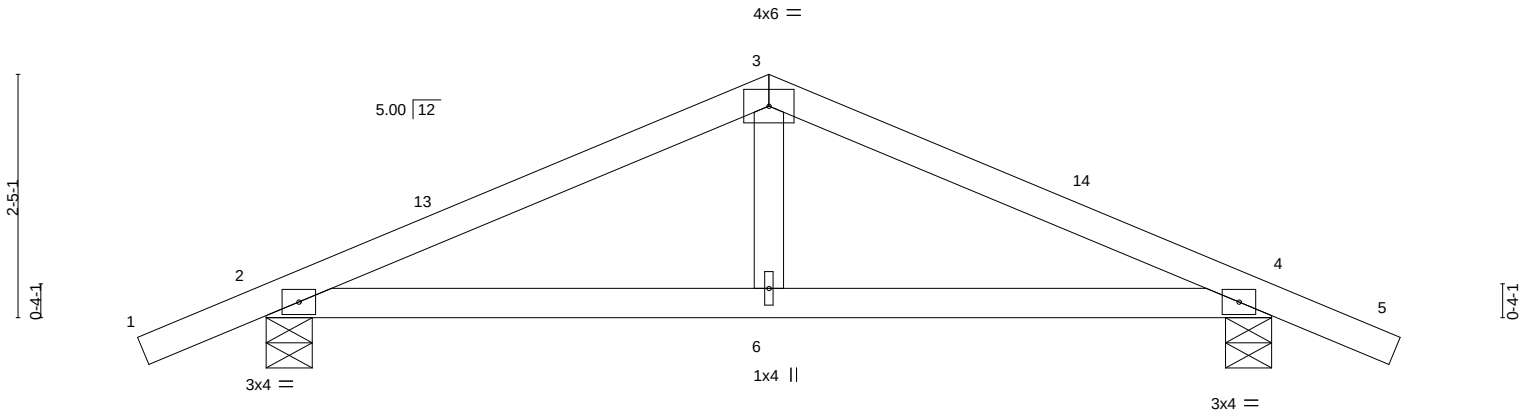

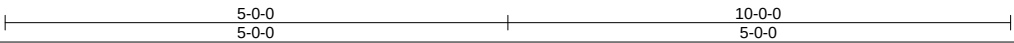

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.01	6-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.04	6-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	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) Two SBP6 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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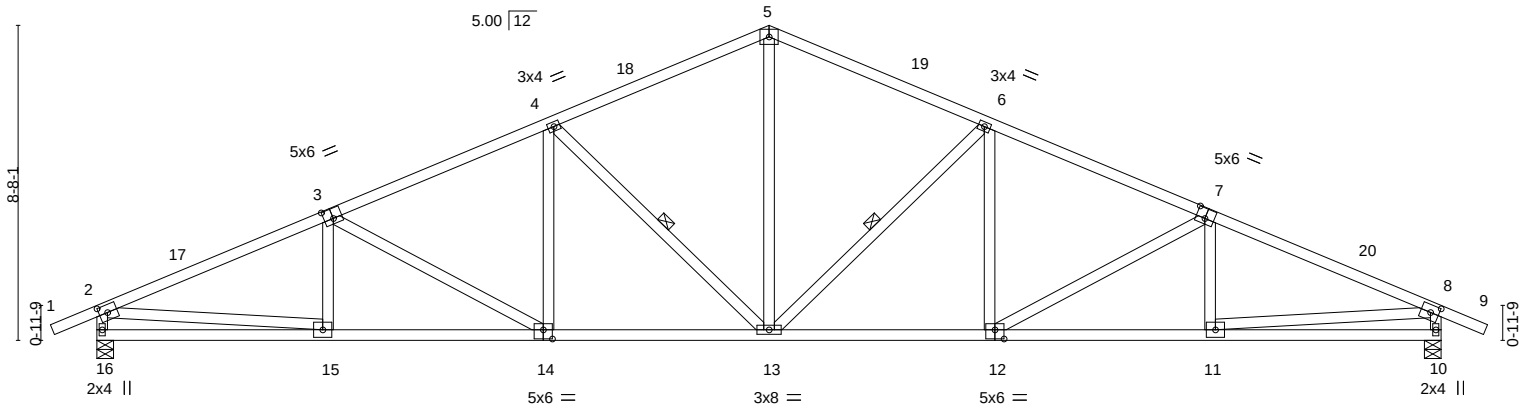
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P2FW	Common	4	1	R73666267
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:15 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-vzPvtyEwV2pHgzcwZaN23dCPi8e7lWbfPYR4zVyEkfU

1-2-0	6-4-5	12-5-3	18-6-0	24-6-14	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	24-6-14	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)-- [2:0-2-12,0-2-8], [3:0-3-0,0-3-4], [7:0-3-0,0-3-4], [8:0-2-12,0-2-8], [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	13-14	>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 4-13, 6-13

REACTIONS. (size) 16=0-5-8, 10=0-5-8
Max Horz 16=145(LC 11)
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=-2022/353, 5-6=-2022/353, 6-7=-2569/359, 7-8=-2864/330
BOT CHORD 14-15=-226/2582, 13-14=-167/2291, 12-13=-176/2291, 11-12=-234/2581
WEBS 3-14=-363/75, 4-14=0/374, 4-13=-721/142, 5-13=-103/1092, 6-13=-720/142, 6-12=0/374, 7-12=-362/75, 2-16=-1654/290, 2-15=-233/2595, 8-10=-1654/290, 8-11=-233/2594

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 22-2-7, Interior(1) 22-2-7 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) All plates are 5x6 MT20 unless otherwise indicated.
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 SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16 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.

EXPIRES: 12/31/2024
November 28,2022

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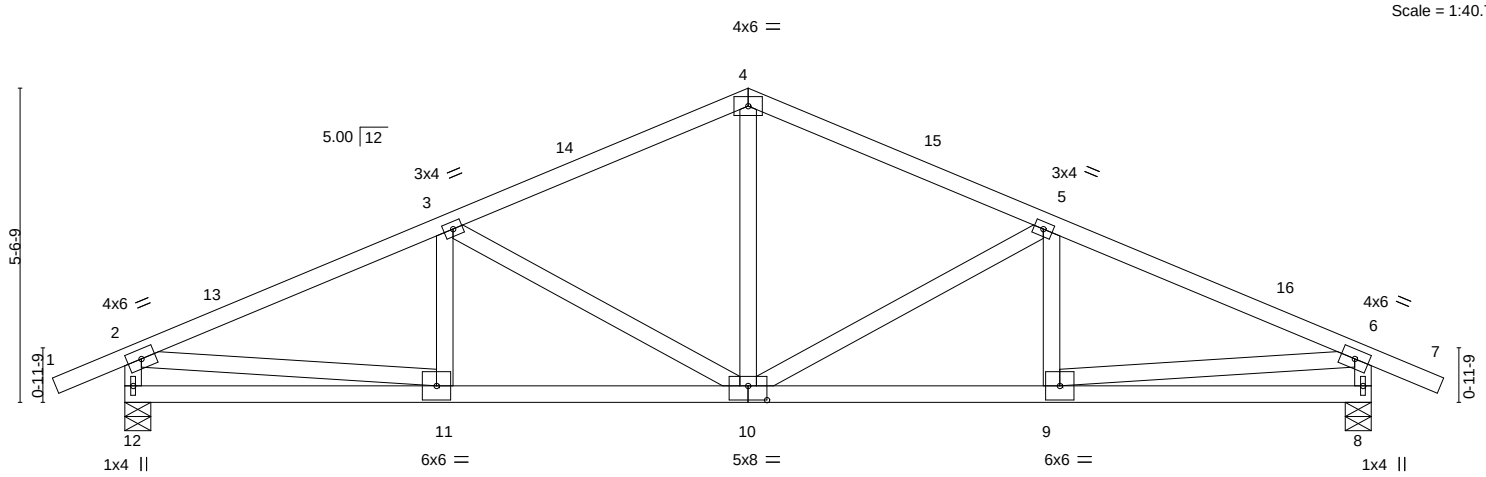
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P2X	Common	4	1	R73666268
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:17 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-rLXfIeFA1f3?vHIlg?PW82Ho4yN7DOiytswA2OyEkfS

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

Scale = 1:40.7



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

Plate Offsets (X,Y)-- [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	11-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.11	9-10	>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 11)
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=-1534/269, 3-4=-1166/265, 4-5=-1166/264, 5-6=-1533/269
BOT CHORD 10-11=-169/1357, 9-10=-181/1357
WEBS 3-10=-436/120, 4-10=-51/547, 5-10=-435/120, 2-12=-1001/262, 6-8=-1001/262, 2-11=-183/1369, 6-9=-183/1368

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) Two SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12 and 8. 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.

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November 28,2022

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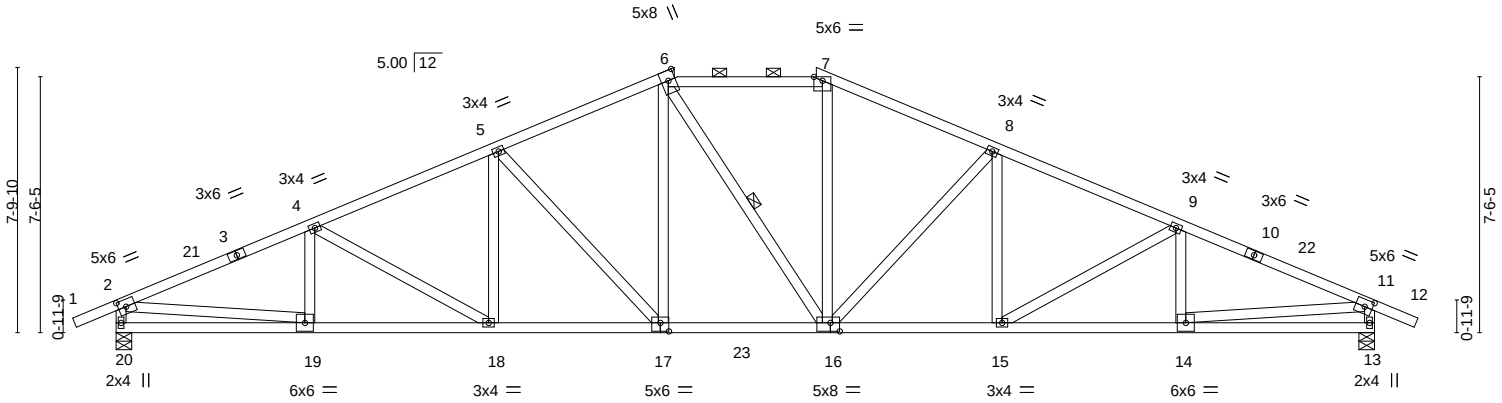
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P3B	HIP	1	1	R73666269
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:19 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-nkfQjKHRZHJj8avhoQR_ETM7Dl03hJLEK9PH6GyEkfQ

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], [7:0-3-0,0-1-6], [11:0-2-12,0-2-8], [16:0-3-4,0-3-0], [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	0.31	Vert(LL)	-0.15	16-17	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.35	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.10	13	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.11	17	>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*
2-19,11-14: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-8-10 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-16

REACTIONS. (size) 20=0-5-8, 13=0-5-8
Max Horz 20=-127(LC 10)
Max Uplift 20=-198(LC 12), 13=-198(LC 12)
Max Grav 20=1875(LC 17), 13=1872(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3126/341, 4-5=-2902/378, 5-6=-2480/374, 6-7=-2208/371, 7-8=-2455/374, 8-9=-2896/378, 9-11=-3121/341
BOT CHORD 18-19=-239/2921, 17-18=-197/2690, 16-17=-129/2283, 15-16=-212/2614, 14-15=-254/2822
WEBS 4-18=-265/56, 5-18=0/304, 8-15=0/304, 9-15=-268/56, 6-17=-19/625, 7-16=-40/690, 5-17=-578/107, 8-16=-641/118, 2-20=-1792/290, 11-13=-1789/291, 2-19=-257/2850, 11-14=-256/2845

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) Two SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 20 and 13. 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.
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
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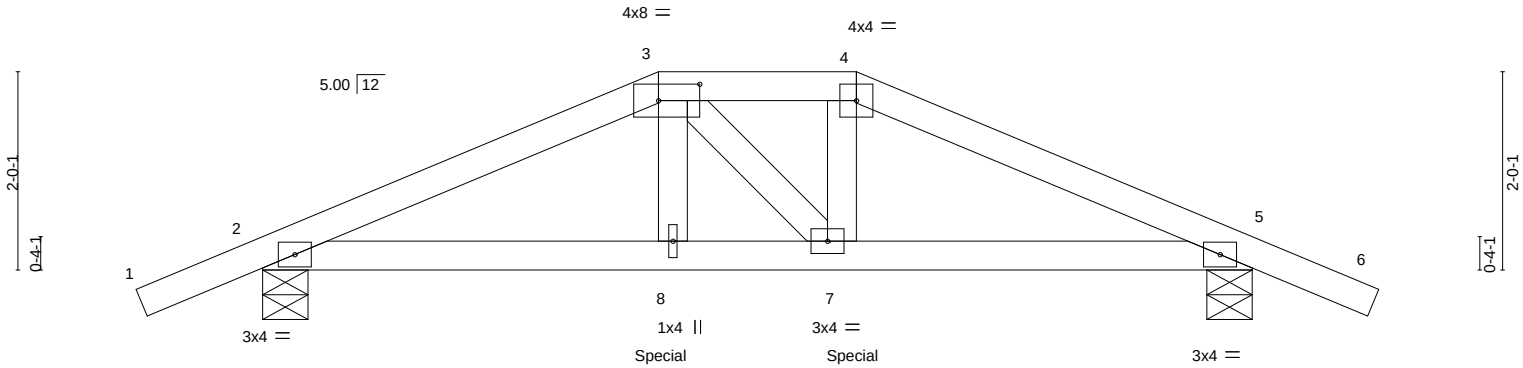
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P3G	Hip Girder	1	1	R73666270
					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
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-j7mA80Ih5uaROu33vrUSJuSV7Zly9KgXoTuOB9yEkfO

-1-2-0 / 1-2-0 | 4-0-0 / 4-0-0 | 6-0-0 / 2-0-0 | 10-0-0 / 4-0-0 | 11-2-0 / 1-2-0

Scale = 1:23.3



4-0-0 / 4-0-0 | 6-0-0 / 2-0-0 | 10-0-0 / 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 7)
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=-136/1469, 5-7=-140/1437
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) Two SBP6 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.
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)

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

EXPIRES: 12/31/2024
November 28,2022

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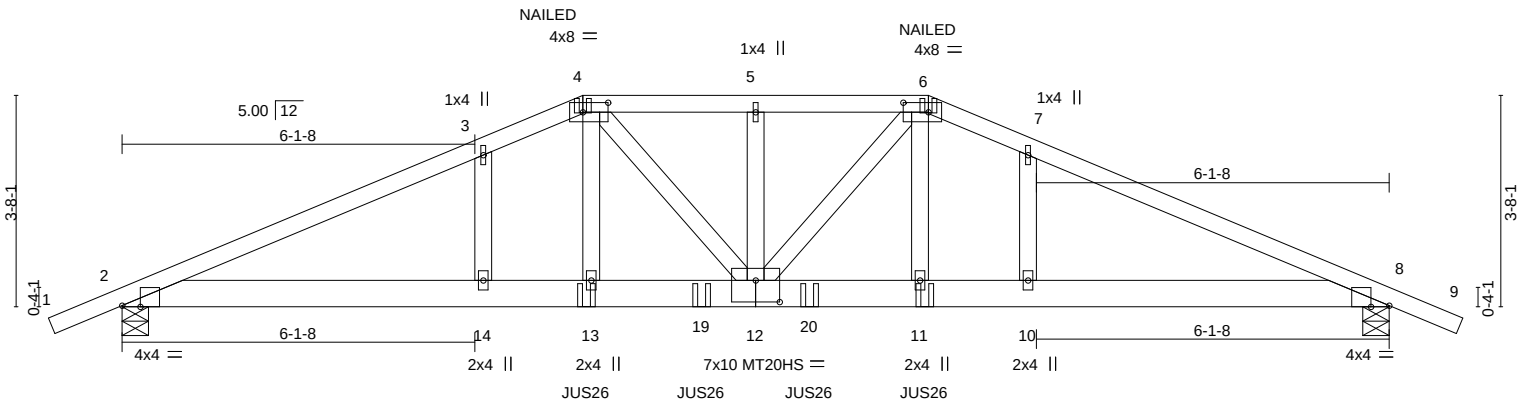
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P3GX	Hip Girder	1	2	R73666271
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:24 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-8iSJm1LZNpy0FMoeaz19xW4?NmmNMg0_UR62oUyEkfL

-1-2-0	3-6-11	8-0-0	11-0-0	14-0-0	15-10-8	18-5-5	22-0-0	23-2-0
1-2-0	3-6-11	4-5-5	3-0-0	3-0-0	1-10-8	2-6-13	3-6-11	1-2-0

Scale = 1:40.0



4-6-5	6-0-12	6-1-8	8-0-0	11-0-0	14-0-0	15-10-8	15-11-4	17-5-11	22-0-0
4-6-5	1-6-7	0-0-12	1-10-8	3-0-0	3-0-0	1-10-8	0-0-12	1-6-7	4-6-5

Plate Offsets (X,Y)-- [2:0-3-13,Edge], [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [8:0-3-13,Edge], [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	0.22	Vert(LL)	-0.05	14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.15	14-16	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	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 26)
Max Uplift 2=-242(LC 8), 8=-242(LC 8)
Max Grav 2=1708(LC 1), 8=1708(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3538/449, 3-4=-3494/497, 4-5=-3391/494, 5-6=-3391/494, 6-7=-3494/497, 7-8=-3538/449
BOT CHORD 2-14=-329/3203, 13-14=-329/3203, 12-13=-335/3246, 11-12=-335/3246, 10-11=-329/3203, 8-10=-329/3203
WEBS 4-13=-143/979, 4-12=-195/367, 6-12=-195/367, 6-11=-143/979

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=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) Two SBP6 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.
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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LOAD CASE(S) Standard

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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, 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) 19=-319(B) 20=-319(B)

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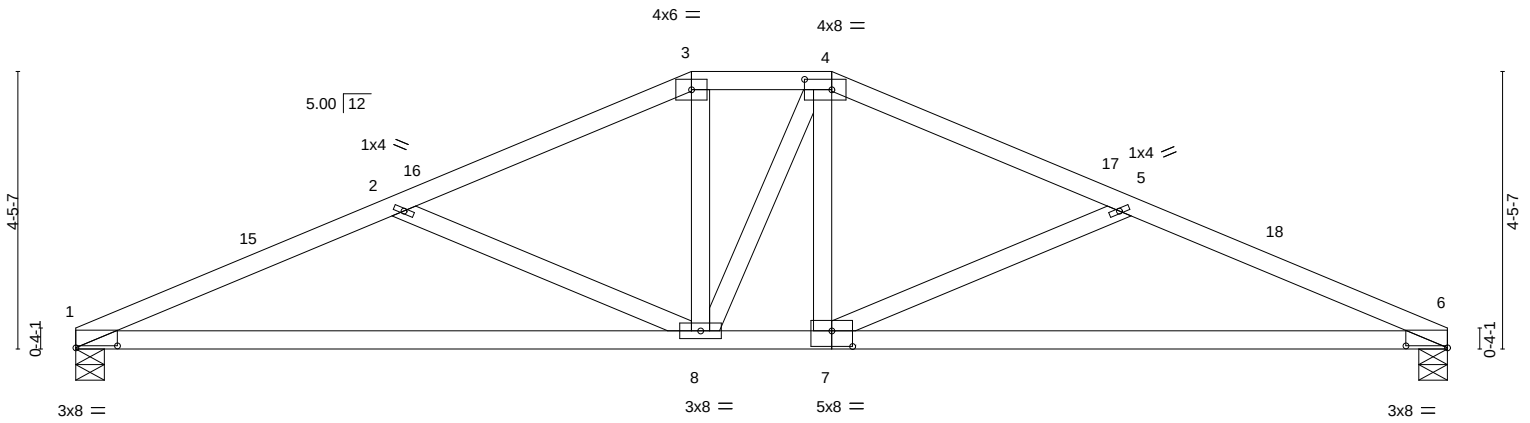
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P4	Hip	1	1	R73666272
					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:HyH3Tb6NUdmypnGsDW3vr_yfxaP-44a3BjMqvQCkUfx1iO3d0x9JOaNOqaqGxlb9sMyEkfJ

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

Scale = 1:37.0



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 10)
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) Two SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 6. 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
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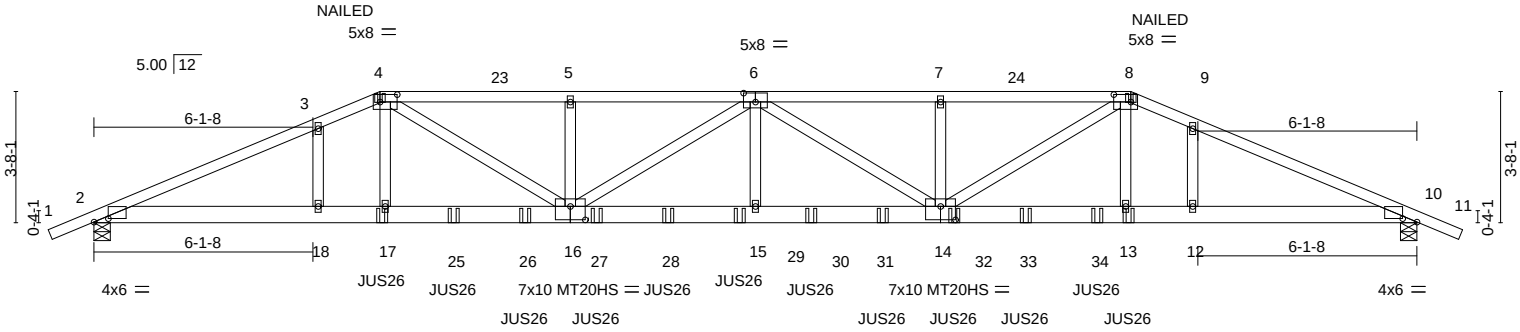
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P4G	Hip Girder	1	3	R73666273
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:30 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-yrpa15PKzfi9zHFoxD8ZAnJ_5BlYmHpssNZM?7yEkfF

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)-- [2:0-4-13,0-1-3], [4:0-5-12,0-2-8], [6:0-4-0,0-3-0], [8:0-5-12,0-2-8], [10:0-4-13,0-1-3], [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	0.33	Vert(LL)	-0.23	15-16	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.62	15-16	>718	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.26	15-16	>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=-622(LC 8), 10=-576(LC 8)
Max Grav 2=4205(LC 1), 10=3817(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-9852/1414, 3-4=-9775/1457, 4-5=-11759/1797, 5-6=-11759/1797, 6-7=-11540/1776, 7-8=-11540/1776, 8-9=-9079/1380, 9-10=-9100/1332
BOT CHORD 2-18=-1221/9038, 17-18=-1221/9038, 16-17=-1232/9115, 15-16=-1828/12757, 14-15=-1828/12757, 13-14=-1153/8409, 12-13=-1145/8351, 10-12=-1145/8351
WEBS 4-17=-235/1754, 4-16=-509/3200, 5-16=-333/143, 6-16=-1203/194, 6-15=-118/1043, 6-14=-1470/224, 7-14=-355/123, 8-14=-577/3794, 8-13=-186/1306, 3-18=-853/181, 9-12=-265/103

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) All plates are 2x4 MT20 unless otherwise indicated.
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) Two SBP6 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.
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) 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 to 28-11-4 to connect truss(es) to back face of bottom chord.

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EXPIRES: 12/31/2024
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NOTES-

13) Fill all nail holes where hanger is in contact with lumber.
14) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 766 lb down and 161 lb up at 6-0-12 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: 1-4=-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) 3=-734 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)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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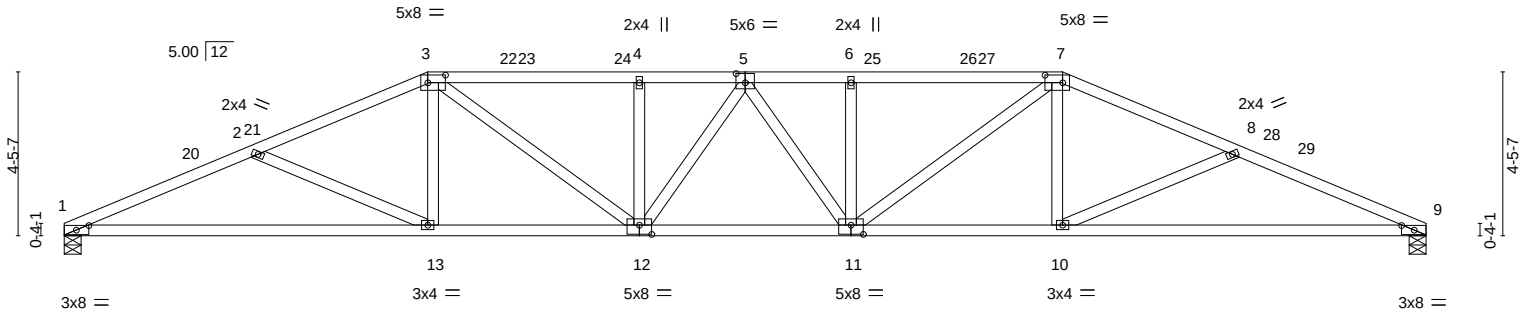
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	P5	Hip	1	1	R73666274
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:33 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-NQVif6SDGa4kqk_NcMhGoQxUIOkUzhZIYLo1cSyEkfC

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 = 1:62.6



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 10)
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) Two SBP6 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V1	Valley	1	1	R73666275
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:35 2022 Page 1
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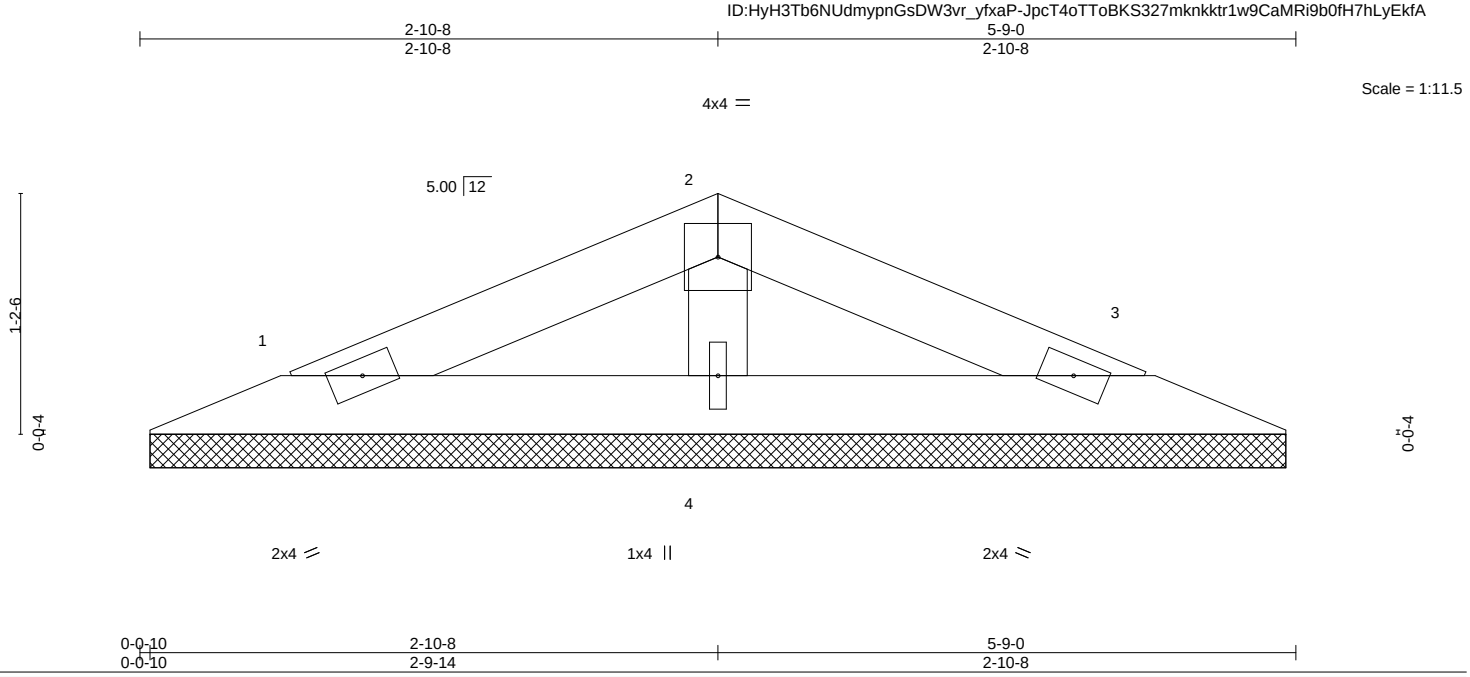

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 12 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 5-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-7-13, 3=5-7-13, 4=5-7-13
Max Horz 1=13(LC 11)
Max Uplift 1=-16(LC 12), 3=-16(LC 12), 4=-3(LC 12)
Max Grav 1=93(LC 1), 3=93(LC 1), 4=186(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 100 lb uplift at joint(s) 1, 3, 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V1P	Valley	1	1	R73666276
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:42 2022 Page 1
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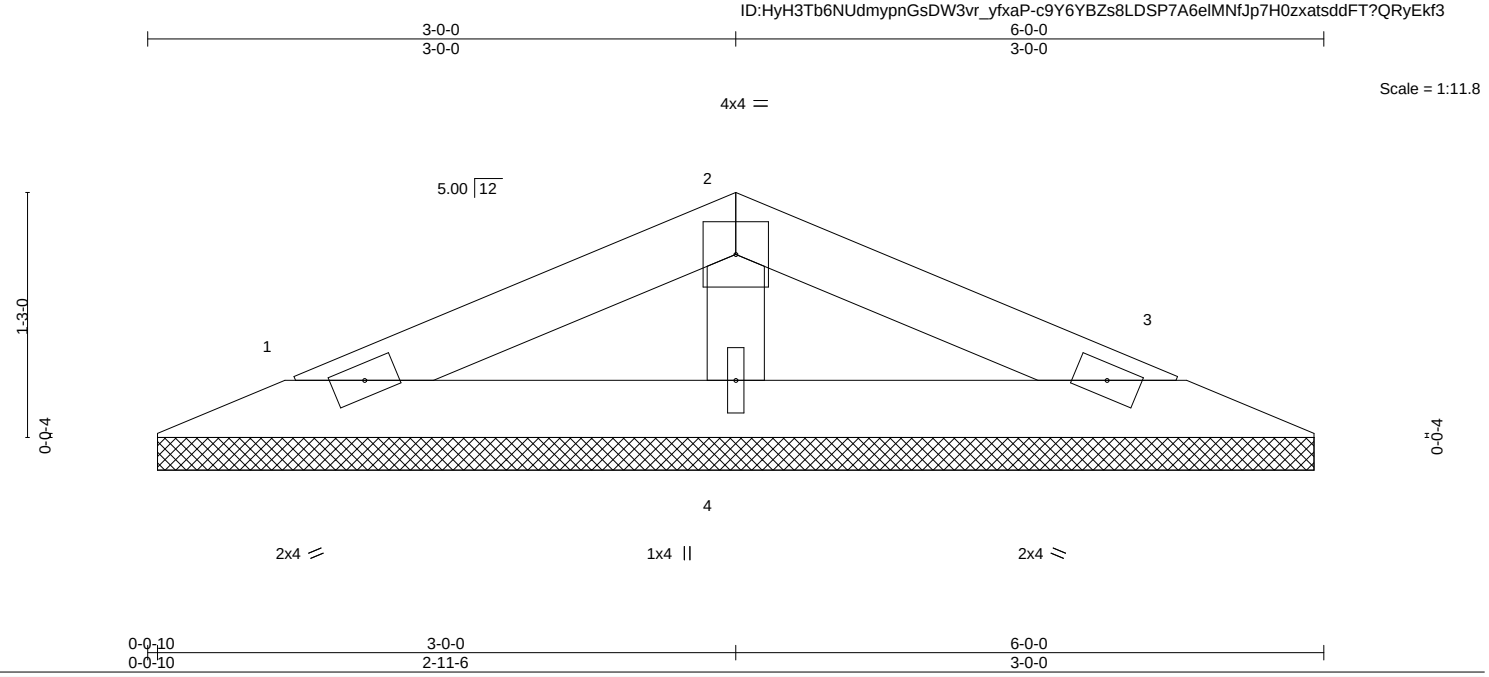

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	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 100 lb uplift at joint(s) 1, 3, 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V2P	Valley	1	1	R73666277
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:44 2022 Page 1
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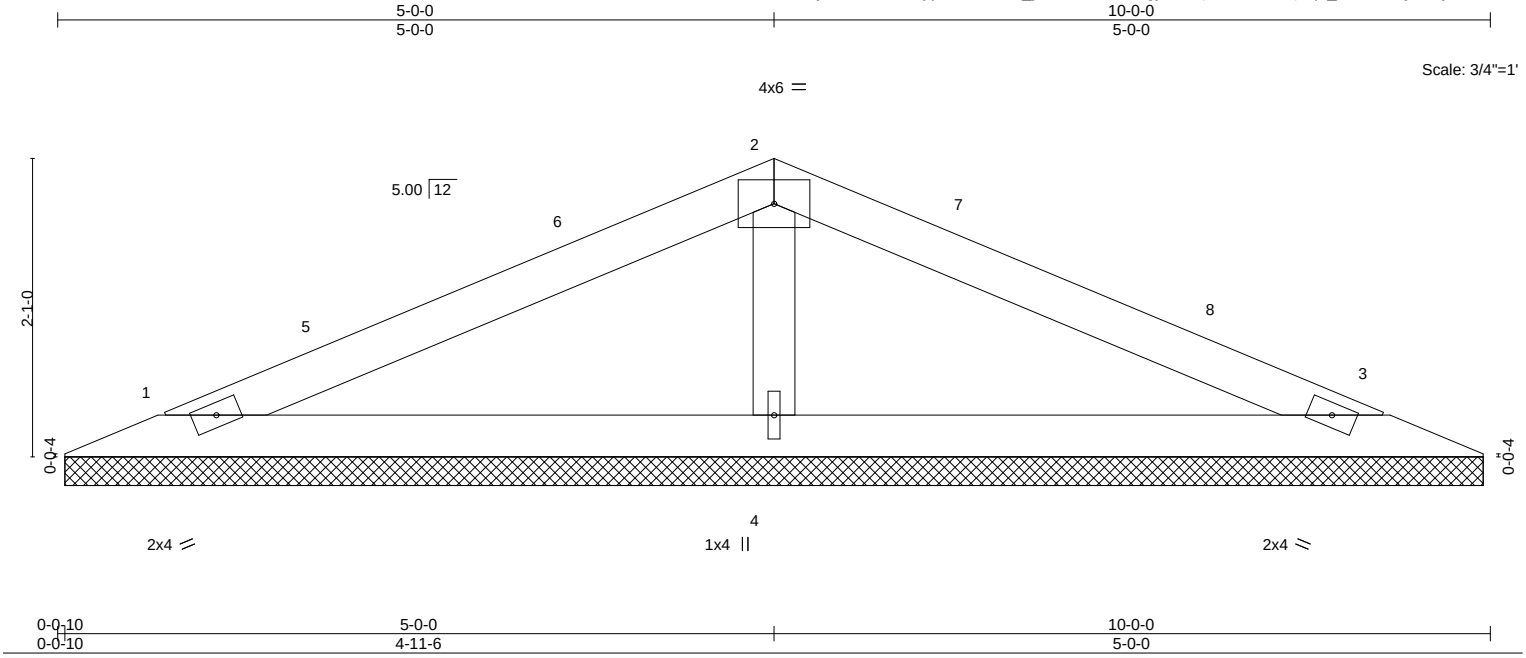

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	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 100 lb uplift at joint(s) 1, 3, 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V3P	Valley	1	1	R73666278
					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
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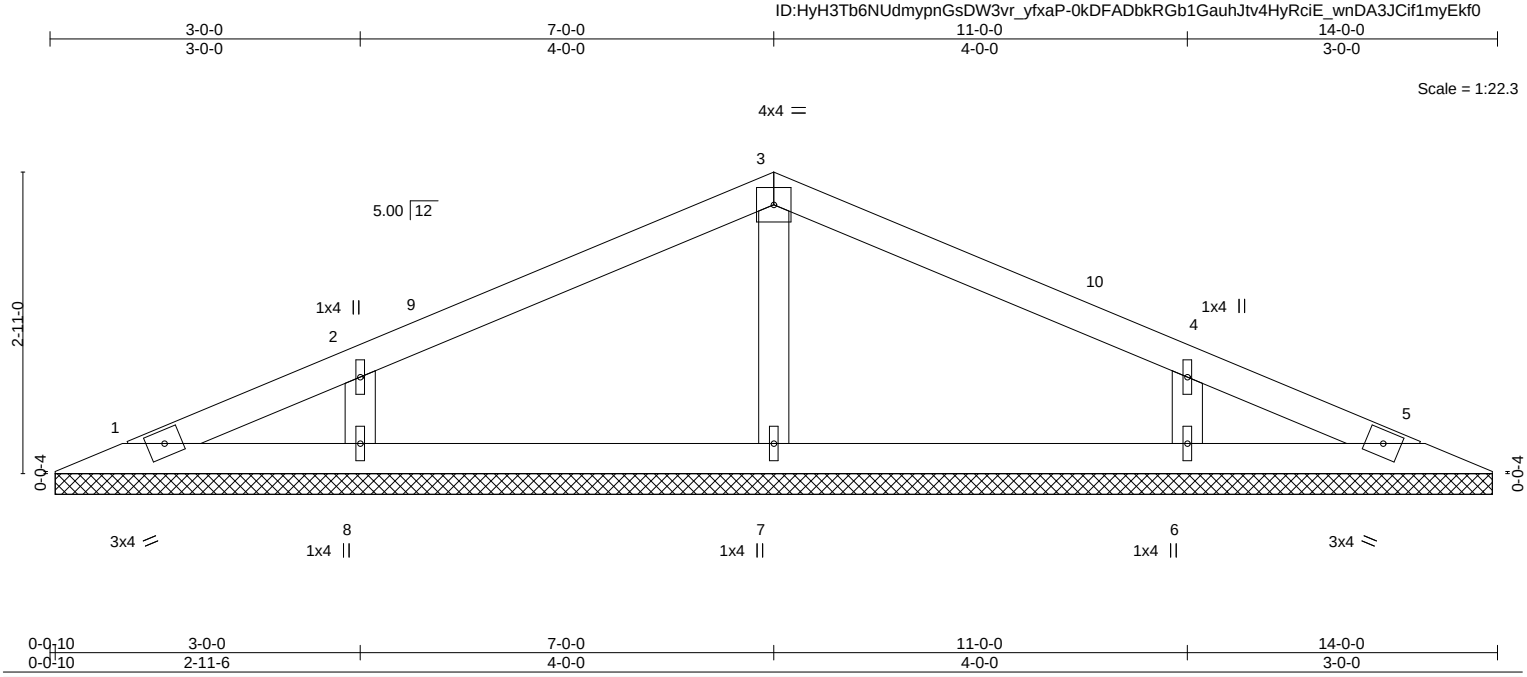

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	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

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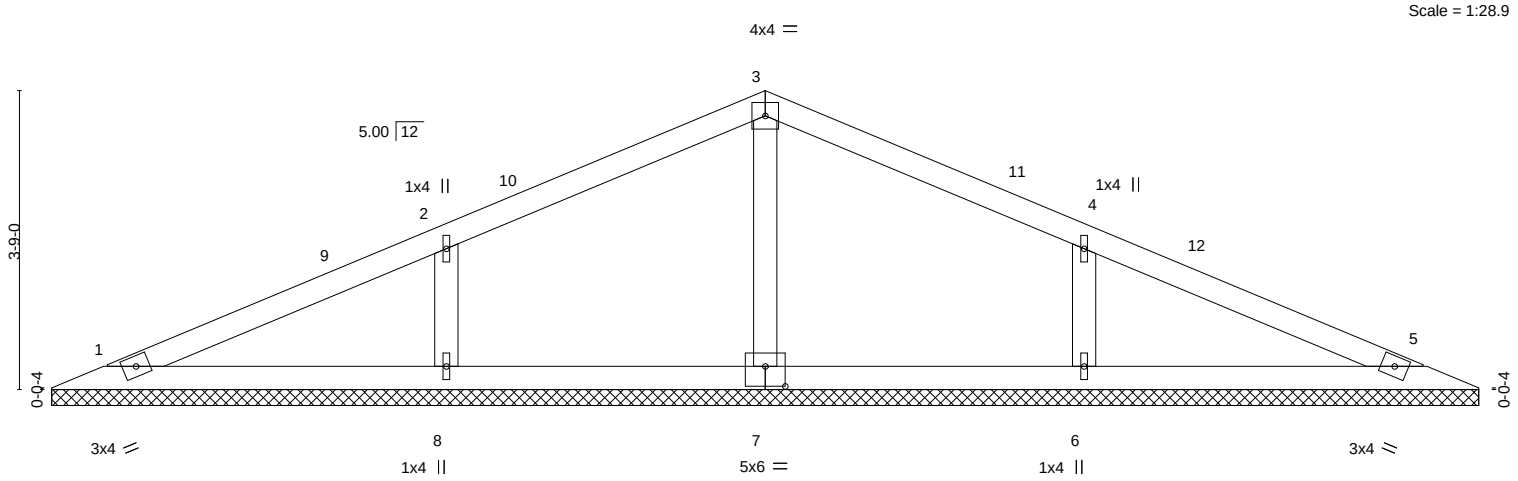
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V4P	Valley	1	1	R73666279
					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:HyH3Tb6NUdmypnGsDW3vr_yfxaP-z7L?bvc?ztrlVu23RIxYMNXxI1f4F6hMmWBm6eyEkf_

5-0-0	9-0-0	13-0-0	18-0-0
5-0-0	4-0-0	4-0-0	5-0-0

Scale = 1:28.9



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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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V5P	Valley	1	1	R73666280
					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
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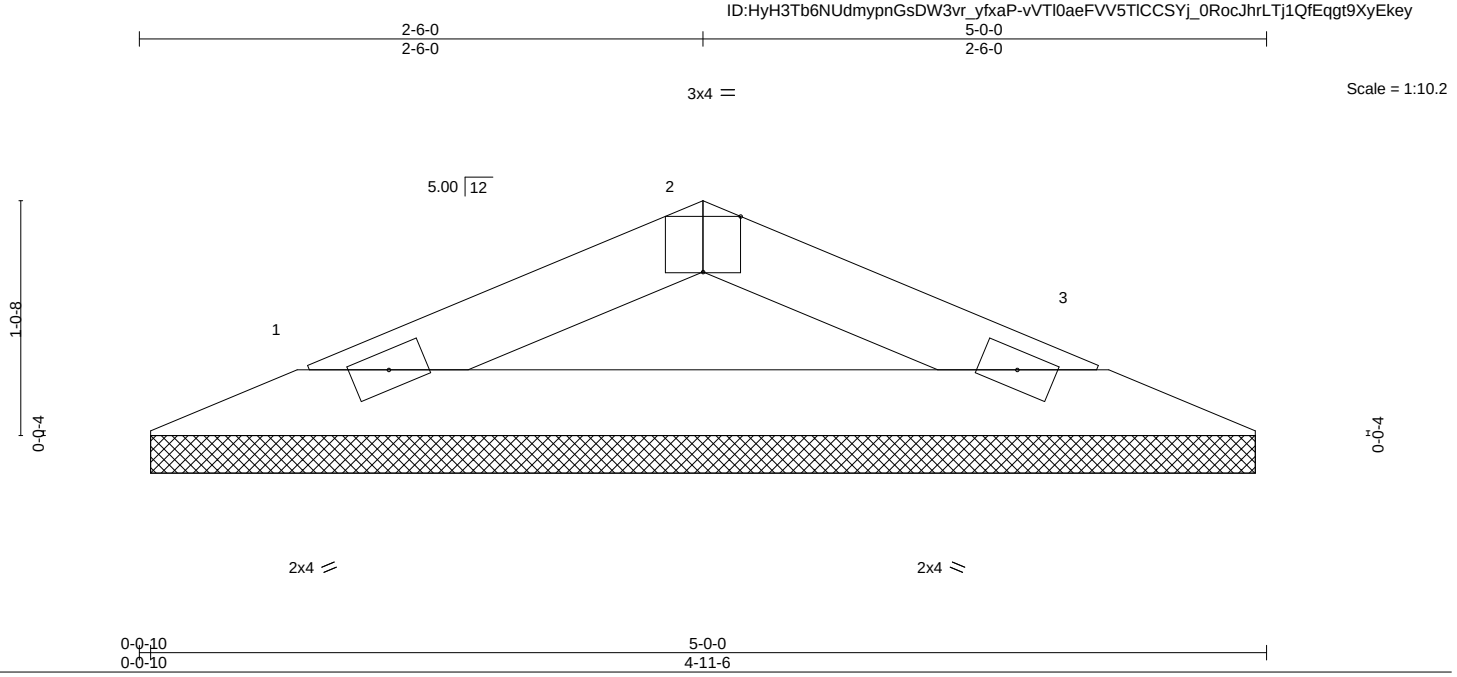

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
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-P							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 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
Max Horz 1=-11(LC 10)
Max Uplift 1=-14(LC 12), 3=-14(LC 12)
Max Grav 1=154(LC 1), 3=154(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 100 lb uplift at joint(s) 1, 3.
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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V6P	Valley	1	1	R73666281
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:51 2022 Page 1
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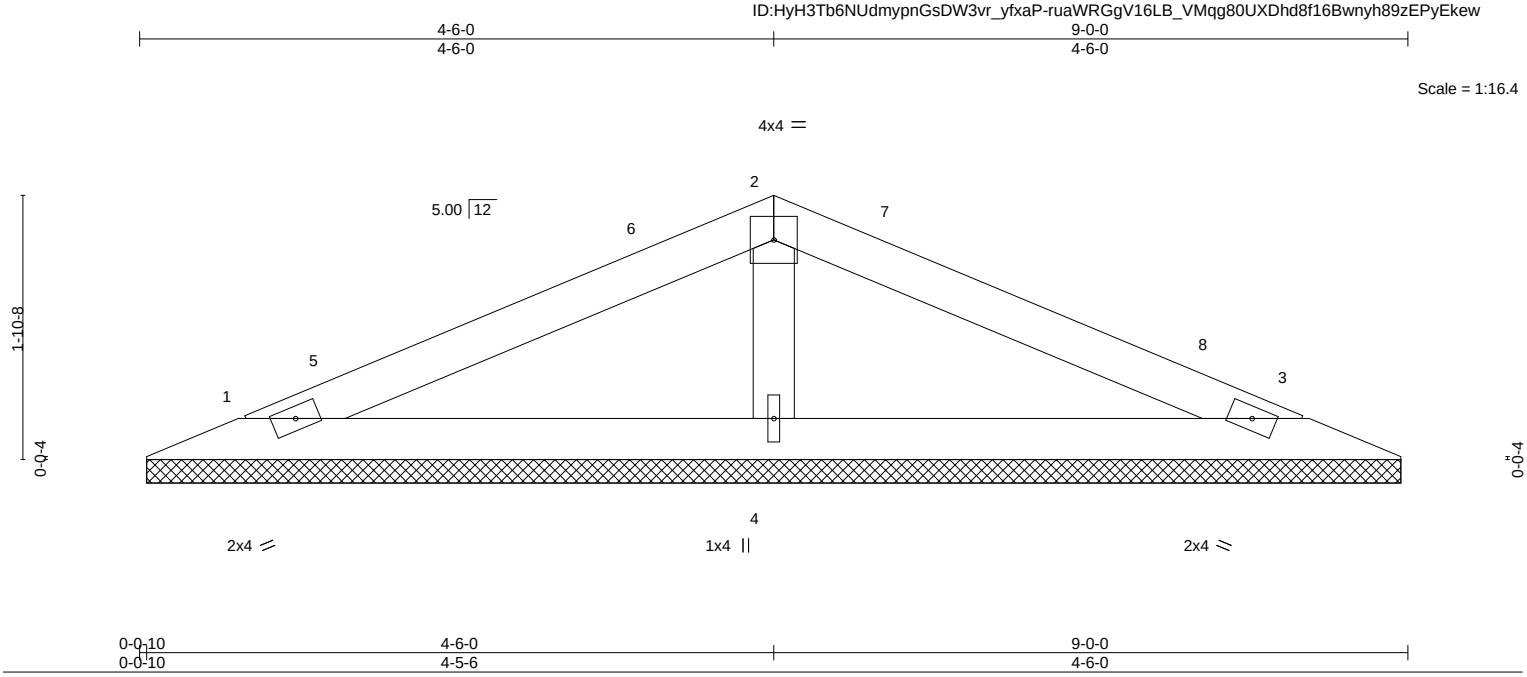

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		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 11)
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 100 lb uplift at joint(s) 1, 3, 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V7P	Valley	1	1	R73666282
					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
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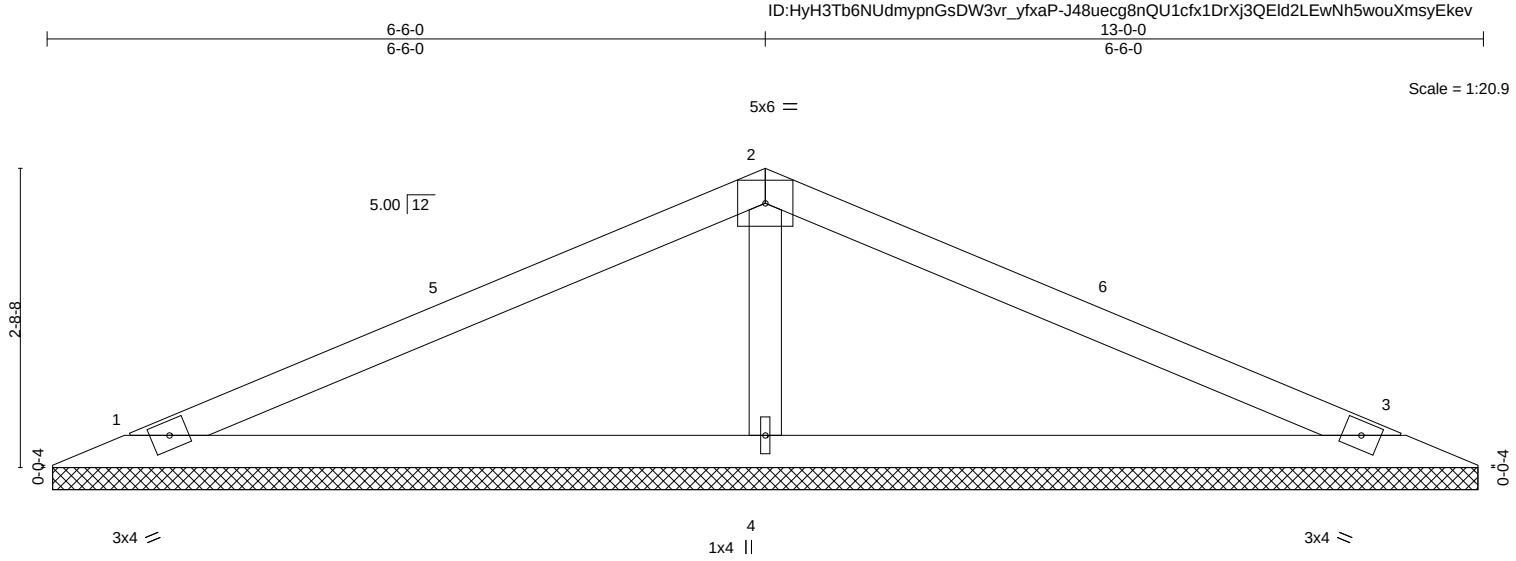

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 31 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=12-10-13, 3=12-10-13, 4=12-10-13
Max Horz 1=34(LC 11)
Max Uplift 1=-31(LC 12), 3=-31(LC 12), 4=-30(LC 12)
Max Grav 1=229(LC 23), 3=229(LC 24), 4=560(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-388/208

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) 0-9-1 to 3-9-1, Interior(1) 3-9-1 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, 3, 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V8P	Valley	1	1	R73666283
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:54 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-GTGe3IiOJ1klrz4PLGaB8rJ8ts2zOHRON6NeqkyEket

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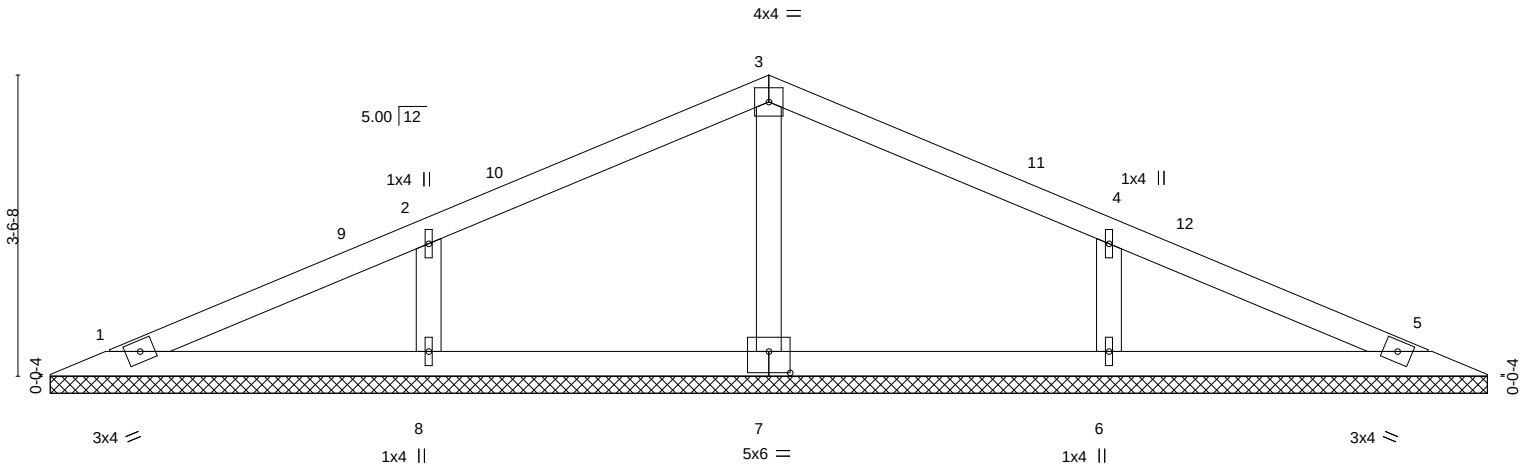
4-6-0	4-0-0	4-0-0	4-6-0

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 7=294(LC 1), 8=404(LC 23), 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

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V9P	Valley	1	1	R73666284
					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
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-g2yniJkGcy6KiQp_0O7umUxet33ibe2q44cIR3yEkeq

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

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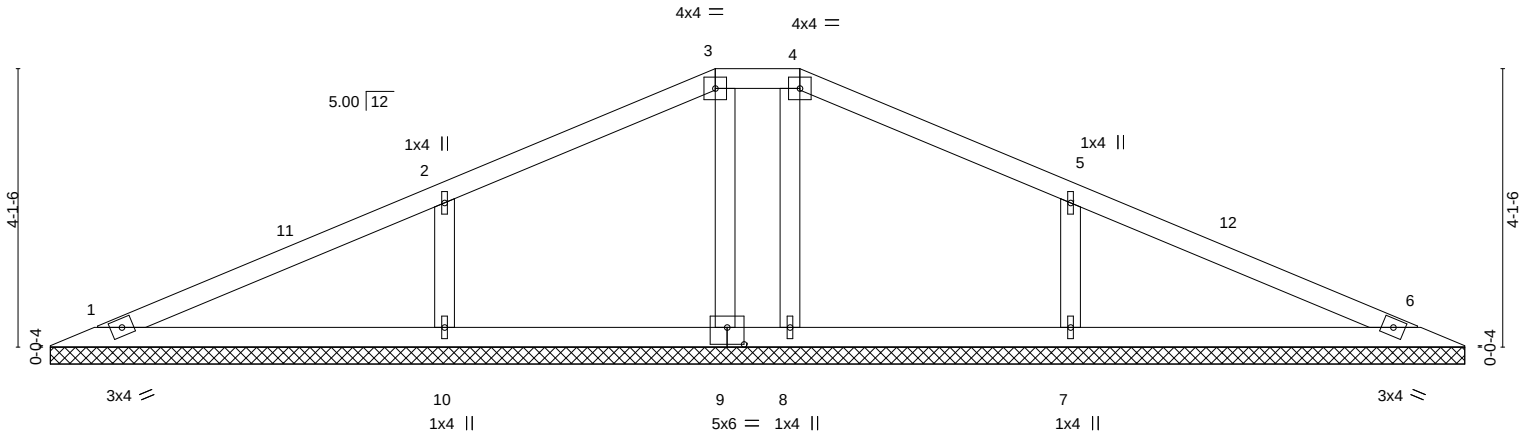

0-0-10	5-10-8	9-10-8	11-1-8	15-1-8	21-0-0
0-0-10	5-9-14	4-0-0	1-3-0	4-0-0	5-10-8

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

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: 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

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 20-10-13.
(lb) - Max Horz 1=-54(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 10, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 6, 9, 8 except 10=498(LC 23), 7=498(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-10=-374/162, 5-7=-374/162

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=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, 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

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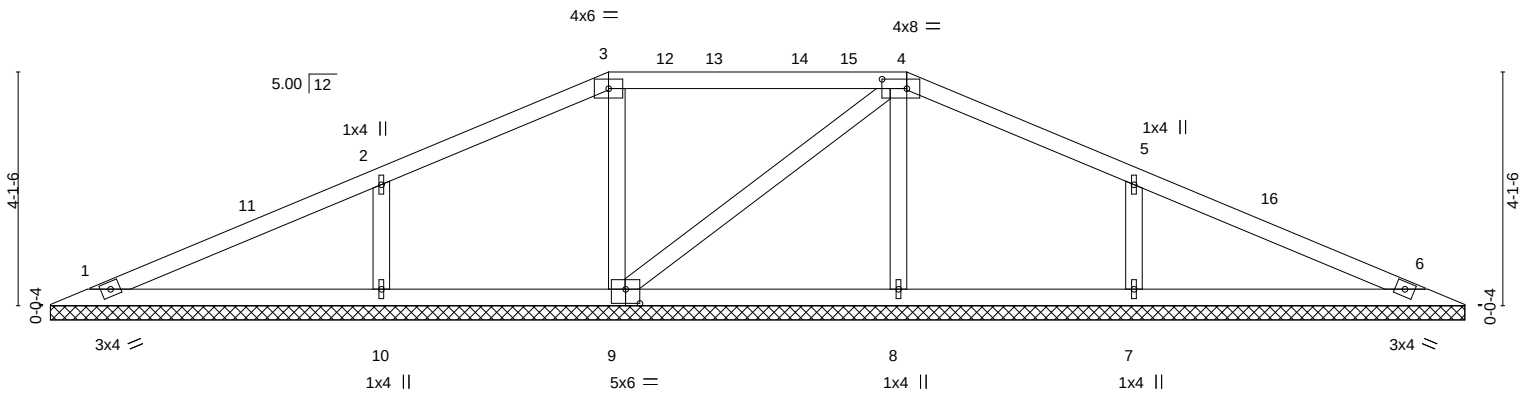
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V10P	Valley	1	1	R73666285
					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:HyH3Tb6NUdmypnGsDW3vr_yfxaP-n?ArI8U5ZVTJhCiyHUFzQ2Z1lcumA8clEJ0hDnyEkf9

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], [9:0-3-0,0-3-0]

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	0.26	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, 9, 8, 10, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 9=402(LC 1), 8=336(LC 24), 10=472(LC 1), 7=472(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-9=-292/88, 4-8=-252/61, 2-10=-355/147, 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, 9, 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

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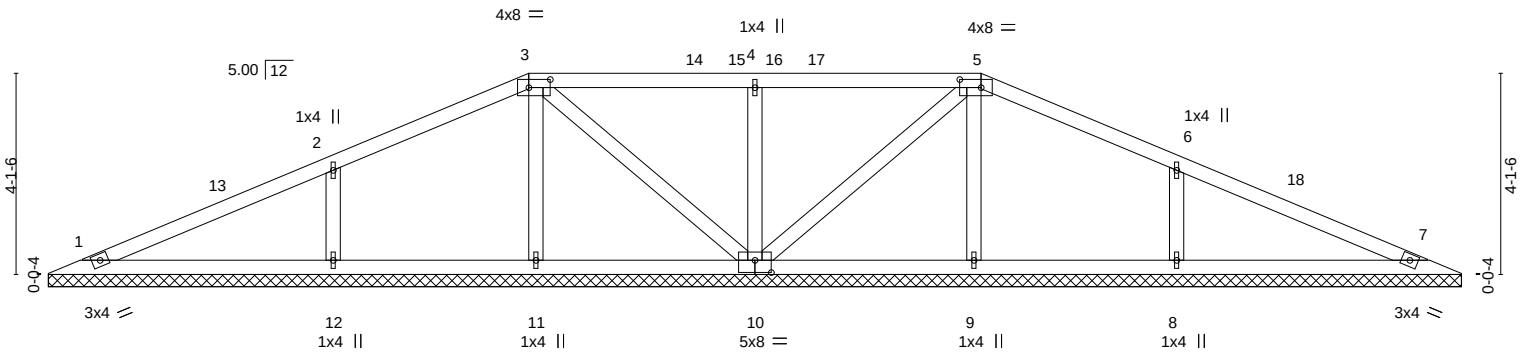
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V11P	Valley	1	1	R73666286
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Nov 28 06:12:39 2022 Page 1
ID:HyH3Tb6NUdmypnGsDW3vr_yfxaP-CaszwAW_rQrtYfRXzcog1hBZUpwVNUwBxHFLq6yEkf6

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 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 10, 12, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=264(LC 23), 9=264(LC 24), 10=539(LC 1), 12=486(LC 23), 8=486(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-10=-366/120, 2-12=-366/152, 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, 10, 12, 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

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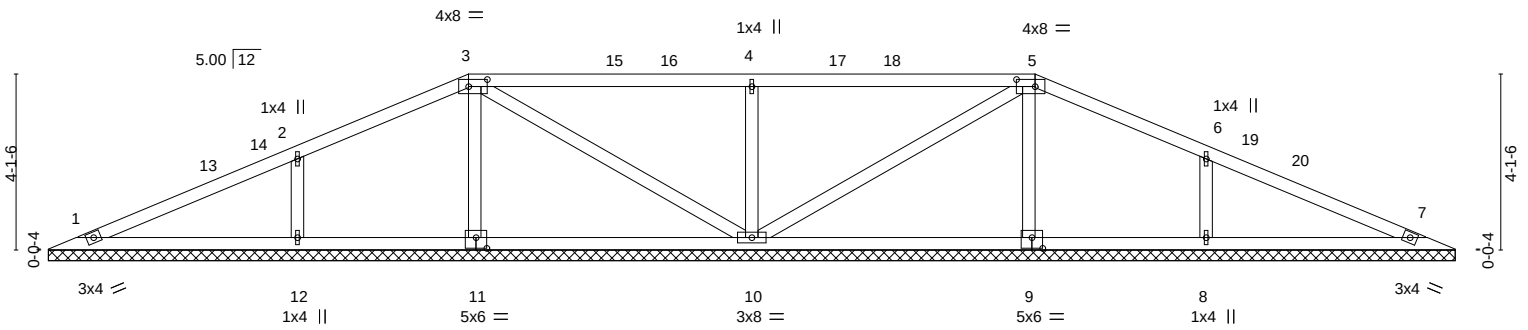
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1289
1289	V12P	Valley	1	1	R73666287
					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:HyH3Tb6NUdmypnGsDW3vr_yfxaP-8z_kLrYEN15bnzbv41r876HsvdaprOYUObkSu_yEkf4

5-10-8	9-10-8	16-6-0	23-1-8	27-1-8	33-0-0
5-10-8	4-0-0	6-7-8	6-7-8	4-0-0	5-10-8

Scale = 1:53.9



0-0-10	5-10-8	9-10-8	16-6-0	23-1-8	27-1-8	33-0-0
0-0-10	5-9-14	4-0-0	6-7-8	6-7-8	4-0-0	5-10-8

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

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	0.42	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 109 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 32-10-13.
(lb) - Max Horz 1=-64(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 12, 8 except 10=-111(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=367(LC 23), 9=367(LC 24), 12=465(LC 23), 10=718(LC 1), 8=463(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-11=-269/56, 5-9=-268/57, 2-12=-352/154, 4-10=-526/166, 6-8=-352/154

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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 12, 8 except (jt=lb) 10=111.
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

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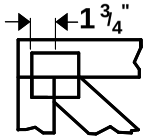
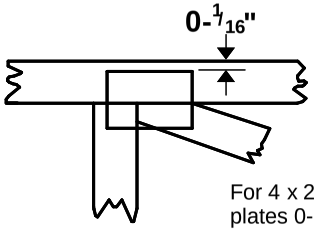
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

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.

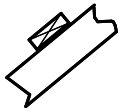
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

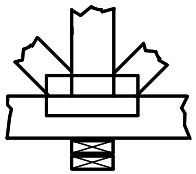
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

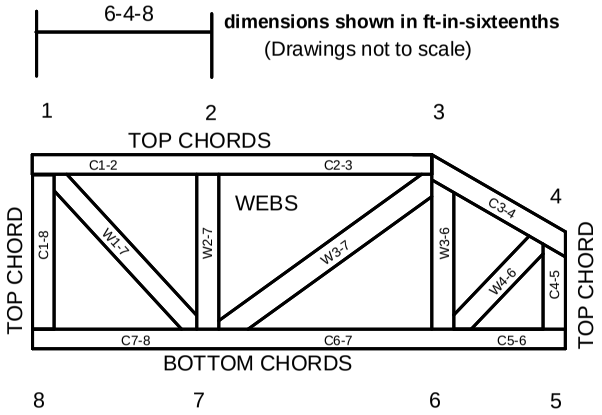


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

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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.