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

Re: 1380
KB Home 1380

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: R73871106 thru R73871192

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 STRUCTURAL ENGINEERS

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

lfarver — REVIEWED BY
12/20/2022 — 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

December 12,2022

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.

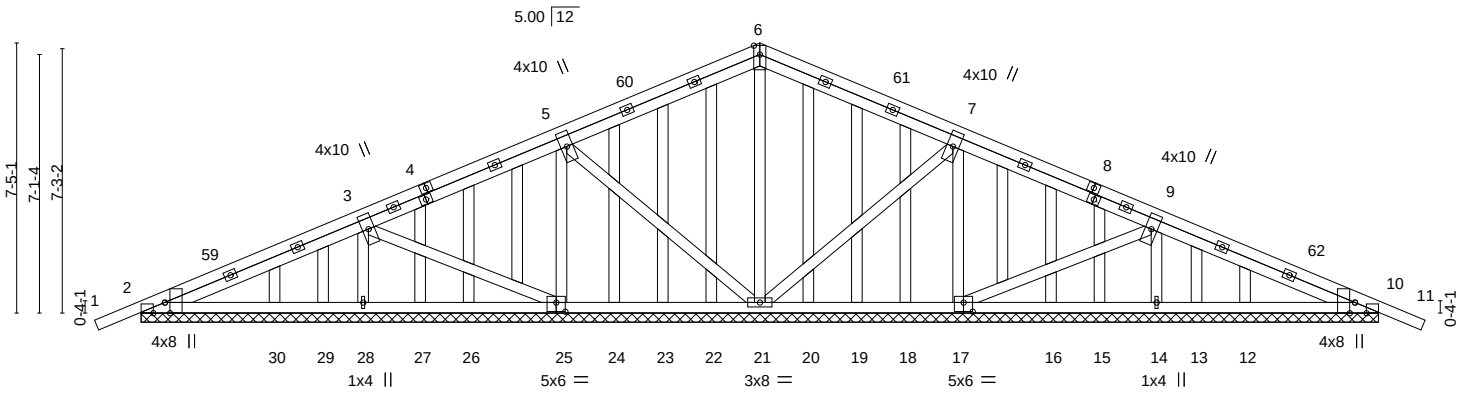
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A1E	GABLE	1	1	R73871106
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:12 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-PSP0Viv8anlCHc_B0TiGhE2xrMgzSrPnNEqQF6y9hzL

1-2-0	6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0	35-2-0
1-2-0	6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3	1-2-0

Scale = 1:63.3

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



6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0
6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-3-13,Edge], [10:0-3-13,Edge], [10:0-3-8,Edge], [17:0-3-0,0-3-0], [25:0-3-0,0-3-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	11	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 239 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 34-0-0.
(lb) - Max Horz 2=-85(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 21, 29, 13 except 2=-372(LC 35), 25=-177(LC 35), 28=-462(LC 35), 17=-177(LC 36), 14=-462(LC 36), 10=-372(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 22, 23, 24, 26, 27, 29, 30, 20, 19, 18, 16, 15, 13, 12 except 2=429(LC 44), 25=295(LC 32), 28=606(LC 32), 21=322(LC 1), 17=289(LC 33), 14=596(LC 33), 10=441(LC 33)

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

TOP CHORD	2-3=-896/859, 3-5=-831/801, 5-6=-569/581, 6-7=-569/589, 7-9=-823/810, 9-10=-890/867
BOT CHORD	2-30=-775/799, 29-30=-462/508, 28-29=-336/386, 27-28=-248/293, 25-26=-242/288, 24-25=-230/268, 21-22=-273/310, 20-21=-261/308, 17-18=-218/265, 16-17=-227/263, 14-15=-233/268, 13-14=-321/362, 12-13=-447/483, 10-12=-771/798
WEBS	3-28=-610/477, 5-25=-482/394, 7-17=-482/385, 9-14=-612/477, 3-25=-522/533, 5-21=-398/394, 7-21=-398/391, 9-17=-523/533

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 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) 21, 29, 13 except (jt=lb) 2=372, 25=177, 28=462, 17=177, 14=462, 10=372.
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 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 plf.

EXPIRES: 12/31/2024
December 12,2022

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

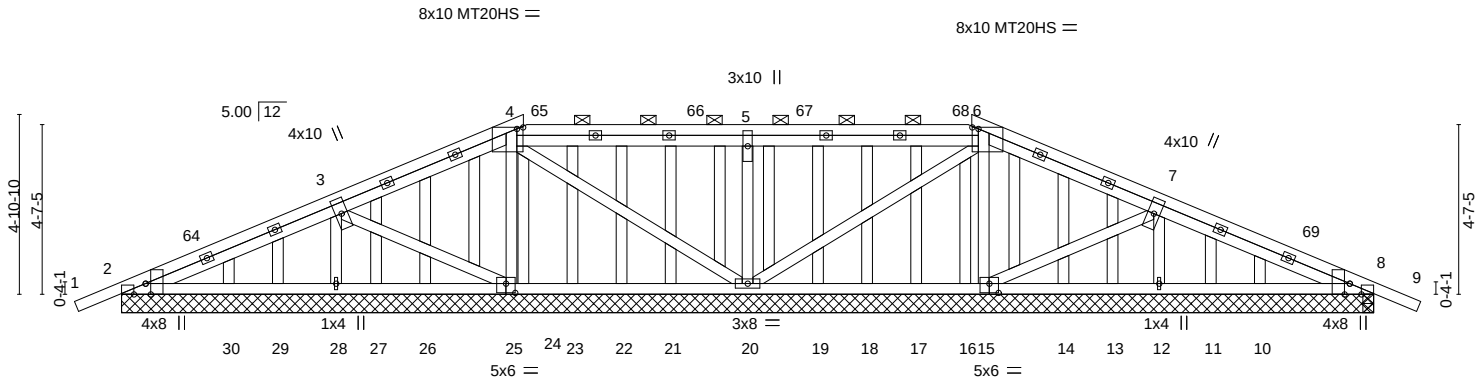
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A1EB	GABLE	1	1	R73871107
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:26 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-_9FJRU4wH5WDym3uqPyYGBdKO?SNk8_qbQDAlJy9hz7

1-2-0	5-9-14	10-8-13	11-0-0	17-0-0	23-0-0	23-3-3	28-2-2	34-0-0	35-2-0
1-2-0	5-9-14	4-10-15	0-3-3	6-0-0	6-0-0	0-3-3	4-10-15	5-9-14	1-2-0

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

Scale = 1:62.6



5-9-14	10-8-13	11-0-0	17-0-0	23-0-0	23-3-3	28-2-2	34-0-0
5-9-14	4-10-15	0-3-3	6-0-0	6-0-0	0-3-3	4-10-15	5-9-14

Plate Offsets (X,Y)-- [2:0-3-13,Edge], [2:0-3-8,Edge], [4:0-2-0,0-0-8], [6:0-2-0,0-0-8], [8:0-3-13,Edge], [8:0-3-8,Edge], [15:0-3-0,0-3-0], [25:0-3-0,0-3-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.00	8-10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.00	2-30	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.00	2	>999	240	Weight: 233 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.

REACTIONS. All bearings 34-0-0.
(lb) - Max Horz 2=55(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) 25, 15, 24 except 2=-351(LC 35), 28=-452(LC 35), 20=-108(LC 36), 12=-444(LC 36), 8=-361(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 25, 15, 8, 26, 27, 29, 30, 23, 22, 21, 19, 18, 17, 16, 14, 13, 11, 10 except 2=398(LC 44), 28=574(LC 32), 20=414(LC 1), 12=559(LC 33), 8=418(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-851/803, 3-4=-742/742, 4-5=-549/607, 5-6=-553/611, 6-7=-746/751, 7-8=-828/808
BOT CHORD 2-30=-722/739, 29-30=-470/505, 28-29=-347/373, 24-25=-232/263, 20-21=-351/382, 19-20=-347/377, 15-16=-236/266, 11-12=-338/359, 10-11=-456/482, 8-10=-716/737
WEBS 3-28=-582/478, 4-20=-456/440, 5-20=-329/107, 6-20=-456/440, 7-12=-574/456, 4-25=-264/168, 6-15=-262/169, 3-25=-506/507, 7-15=-502/498

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 10-8-9, Exterior(2R) 10-8-9 to 15-6-4, Interior(1) 15-6-4 to 23-3-7, Exterior(2R) 23-3-7 to 28-2-2, Interior(1) 28-2-2 to 35-2-11 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) 2=351, 28=452.
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 reference 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
December 12,2022

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

NOTES-

13) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 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

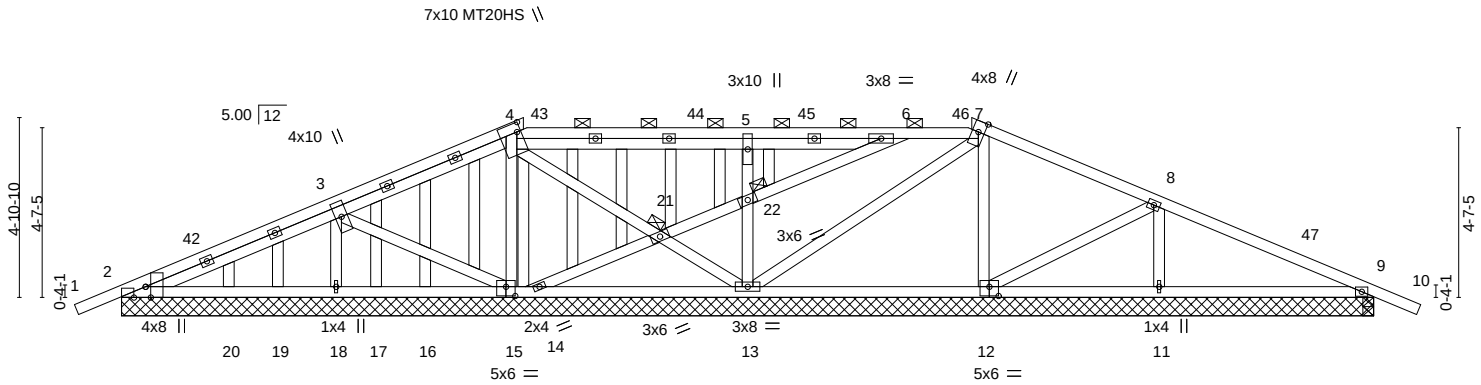
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A1EBD	GABLE	1	1	R73871108
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:29 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-PkxS3W6pa0uopEoSWXWFtpFpfCTkxWdHHNSqLdy9hz4

1-2-0	5-9-14	10-8-13	11-0-0	17-0-0	23-0-0	23-3-3	28-2-2	34-0-0	35-2-0
1-2-0	5-9-14	4-10-15	0-3-3	6-0-0	6-0-0	0-3-3	4-10-15	5-9-14	1-2-0

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

Scale = 1:62.6



5-9-14	10-8-13	11-0-0	17-0-0	23-0-0	23-3-3	28-2-2	34-0-0
5-9-14	4-10-15	0-3-3	6-0-0	6-0-0	0-3-3	4-10-15	5-9-14

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

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.02	12-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.04	9-11	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.00	9-11	>999	240	Weight: 194 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.): 4-7.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 13-14.
JOINTS	1 Brace at Jt(s): 21, 22

REACTIONS. All bearings 34-0-0.
(lb) - Max Horz 2=55(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 13, 12, 14 except 2=-342(LC 35), 18=-423(LC 35), 11=-398(LC 36), 15=-128(LC 36), 9=-334(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 15, 12, 9, 16, 17, 19, 20 except 2=387(LC 44), 18=540(LC 32), 13=424(LC 1), 11=609(LC 33), 9=418(LC 33), 14=266(LC 3)

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

TOP CHORD	2-3=-822/779, 3-4=-668/690, 4-5=-505/587, 5-6=-412/495, 6-7=-501/528, 7-8=-655/647, 8-9=-747/717
BOT CHORD	2-20=-701/737, 19-20=-470/480, 18-19=-338/363, 14-15=-244/259, 13-14=-286/356, 12-13=-426/470, 11-12=-280/315, 9-11=-624/651
WEBS	3-18=-540/445, 4-21=-461/445, 13-21=-479/462, 13-22=-310/126, 5-22=-307/121, 7-13=-390/401, 8-11=-569/441, 4-15=-306/202, 7-12=-321/238, 3-15=-516/507, 8-12=-489/494, 14-21=-258/208, 21-22=-284/235, 6-22=-280/228

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 10-8-9, Exterior(2R) 10-8-9 to 15-6-4, Interior(1) 15-6-4 to 23-4-2, Exterior(2R) 23-4-2 to 28-2-2, Interior(1) 28-2-2 to 35-2-11 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) 14 except (jt=lb) 2=342, 18=423, 15=128.
11) n/a

Continued on page 2

EXPIRES: 12/31/2024
December 12,2022

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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 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 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

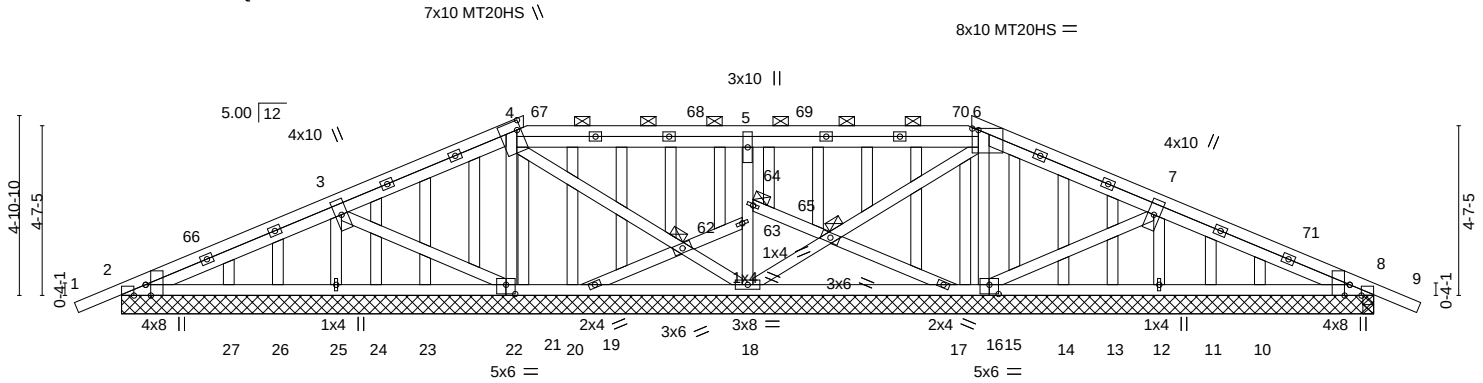
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A1EBP	GABLE	1	1	R73871109
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:33 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-HVAyvt9JeEODIr5ElNaB2fQXcpr?tMOsC?Q1UPy9hz0

1-2-0	5-9-14	10-8-13	11-0-0	17-0-0	23-0-0	23-3-3	28-2-2	34-0-0	35-2-0
1-2-0	5-9-14	4-10-15	0-3-3	6-0-0	6-0-0	0-3-3	4-10-15	5-9-14	1-2-0

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

Scale = 1:62.6



5-9-14	10-8-13	11-0-0	17-0-0	23-0-0	23-3-3	28-2-2	34-0-0
5-9-14	4-10-15	0-3-3	6-0-0	6-0-0	0-3-3	4-10-15	5-9-14

Plate Offsets (X,Y)-- [2:0-3-13,Edge], [2:0-3-8,Edge], [4:0-3-0,0-1-4], [6:0-2-0,0-0-8], [8:0-3-13,Edge], [8:0-3-8,Edge], [15:0-3-0,0-3-0], [22:0-3-0,0-3-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.01	17-18	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.02	17-18	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.00	2	>999	240	Weight: 236 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.
JOINTS	1 Brace at Jt(s): 62, 64, 65

REACTIONS. All bearings 34-0-0.
(lb) - Max Horz 2=-55(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 18, 15, 21 except 2=-352(LC 35), 25=-456(LC 35), 12=-444(LC 36), 22=-107(LC 36), 8=-361(LC 36), 20=-114(LC 3), 16=-405(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 22, 15, 8, 23, 24, 26, 27, 14, 13, 11, 10, 19 except 2=399(LC 44), 25=579(LC 32), 18=440(LC 1), 12=559(LC 33), 8=418(LC 33), 17=447(LC 3)

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

TOP CHORD	2-3=-854/806, 3-4=-749/750, 4-5=-547/605, 5-6=-538/596, 6-7=-745/750, 7-8=-828/808
BOT CHORD	2-27=-726/745, 26-27=-476/509, 25-26=-351/377, 24-25=-218/252, 21-22=-247/278, 18-19=-356/386, 17-18=-328/358, 15-16=-247/277, 11-12=-339/364, 10-11=-456/483, 8-10=-716/741
WEBS	3-25=-586/482, 4-62=-446/430, 18-62=-458/441, 18-63=-316/108, 63-64=-322/111, 5-64=-329/107, 18-65=-458/442, 6-65=-442/427, 7-12=-574/455, 4-22=-260/164, 6-15=-262/169, 3-22=-516/517, 7-15=-509/505

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 10-8-9, Exterior(2R) 10-8-9 to 15-6-4, Interior(1) 15-6-4 to 23-3-7, Exterior(2R) 23-3-7 to 28-2-2, Interior(1) 28-2-2 to 35-2-11 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) 21 except (jt=lb) 2=352, 25=456, 22=107, 20=114.
11) n/a

Continued on page 2

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

EXPIRES: 12/31/2024
December 12,2022

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

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 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 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

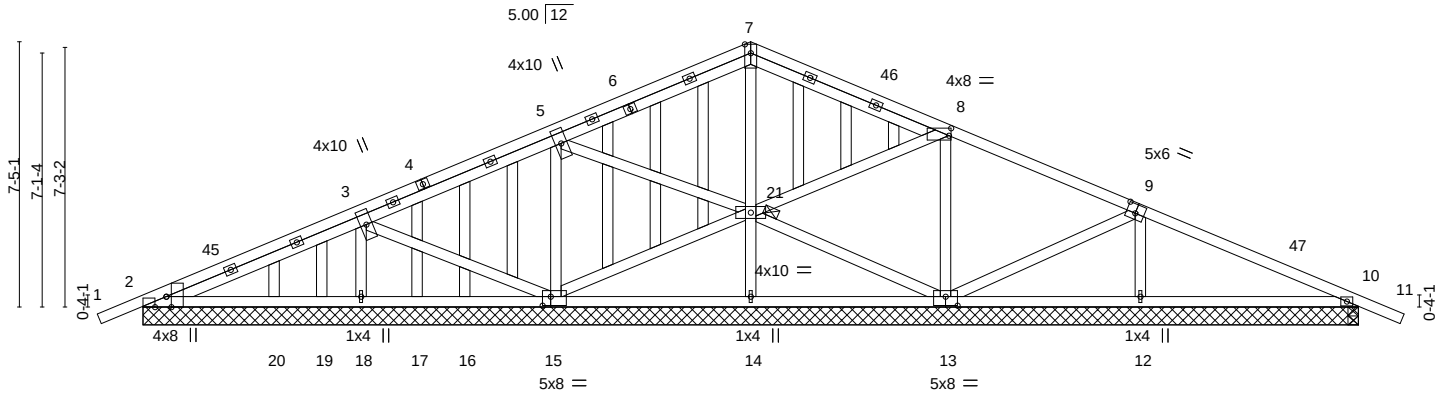
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A1ED	GABLE	1	1	R73871110
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:36 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-i4s5XvBCw9mo9JqpQV8ugI10f1sH4heJuzeh4jy9hyz

1-2-0	6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0	35-2-0
1-2-0	6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3	1-2-0

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

Scale: 3/16"=1'



6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0
6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3

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

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.02	10-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.05	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.01	10-12	>999	240	Weight: 206 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.
JOINTS	1 Brace at Jt(s): 21

REACTIONS. All bearings 34-0-0.
(lb) - Max Horz 2=-85(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 19 except 2=-367(LC 35), 15=-238(LC 35), 13=-252(LC 36), 12=-422(LC 36), 18=-458(LC 35), 10=-347(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 10, 16, 17, 19, 20 except 2=424(LC 44), 15=411(LC 32), 14=302(LC 1), 13=426(LC 33), 12=653(LC 33), 18=597(LC 32), 10=434(LC 33)

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

TOP CHORD	2-3=-880/846, 3-5=-804/776, 5-7=-624/618, 7-8=-530/535, 8-9=-688/677, 9-10=-776/745
BOT CHORD	2-20=-764/789, 19-20=-456/495, 18-19=-329/369, 17-18=-241/280, 15-16=-242/281, 14-15=-519/556, 13-14=-449/486, 12-13=-313/351, 10-12=-652/694
WEBS	8-13=-433/322, 9-13=-522/525, 9-12=-602/470, 5-21=-368/386, 5-15=-441/336, 3-15=-526/531, 3-18=-601/471, 15-21=-349/349, 8-21=-375/392, 13-21=-404/413

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 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) 19 except (jt=lb) 2=367, 15=238, 18=458.
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 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 plf.

EXPIRES: 12/31/2024
December 12,2022

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

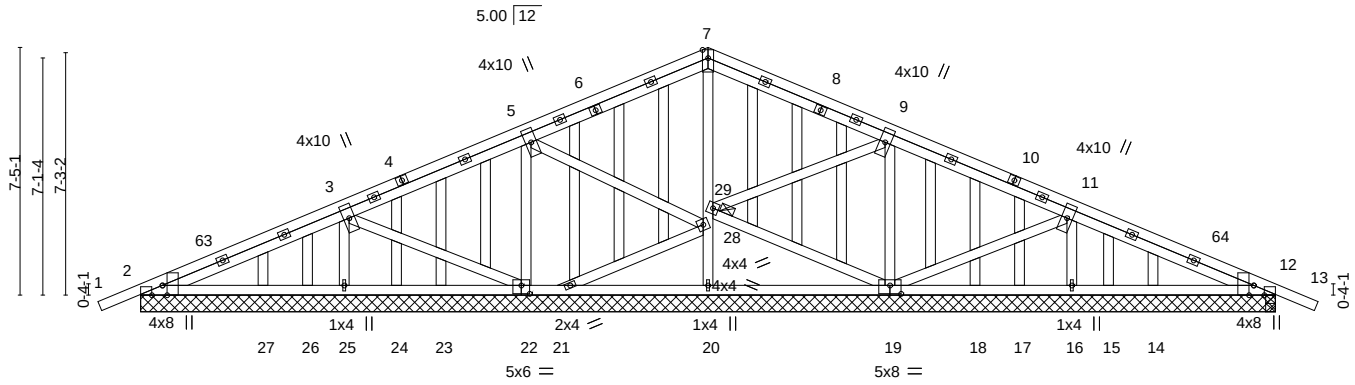
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A1EP	GABLE	1	1	R73871111
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:40 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-ar6cNHEi_OHEew7afLCqq8CkpeEb0W0upbcvDVy9hyv

1-2-0	6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0	35-2-0
1-2-0	6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3	1-2-0

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

Scale = 1:69.0



6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0
6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-3-13,Edge], [12:0-3-13,Edge], [12:0-3-8,Edge], [19:0-4-0,0-3-0], [22:0-3-0,0-3-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.01	19-20	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.02	19-20	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.00	2-27	>999	240	Weight: 241 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.
JOINTS	1 Brace at Jt(s): 29

REACTIONS. All bearings 34-0-0.
(lb) - Max Horz 2=85(LC 33)
Max Uplift All uplift 100 lb or less at joint(s) 20, 21, 26, 15 except 2=-367(LC 35), 22=-156(LC 35), 19=-225(LC 36), 16=-435(LC 36), 25=-449(LC 35), 12=-375(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 12, 21, 23, 24, 26, 27, 18, 17, 15, 14 except 2=424(LC 44), 22=256(LC 1), 20=298(LC 1), 19=395(LC 33), 16=561(LC 33), 25=591(LC 32), 12=441(LC 33)

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

TOP CHORD	2-3=-882/847, 3-5=-800/772, 5-7=-595/598, 7-9=-577/588, 9-11=-778/769, 11-12=-872/846
BOT CHORD	2-27=-764/786, 26-27=-453/495, 25-26=-326/374, 24-25=-238/280, 22-23=-254/297, 20-21=-406/447, 19-20=-476/519, 18-19=-234/269, 16-17=-224/259, 15-16=-311/346, 14-15=-439/473, 12-14=-749/779
WEBS	28-29=-390/274, 9-19=-428/317, 11-19=-500/506, 11-16=-579/447, 5-22=-456/357, 3-22=-508/516, 3-25=-595/463, 21-28=-334/333, 19-29=-320/316, 9-29=-330/341, 5-28=-356/366

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 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) 21, 26 except (jt=lb) 2=367, 22=156, 25=449.
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.

Continued on page 2

EXPIRES: 12/31/2024
December 12,2022

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

NOTES-

11) This truss has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 plf.

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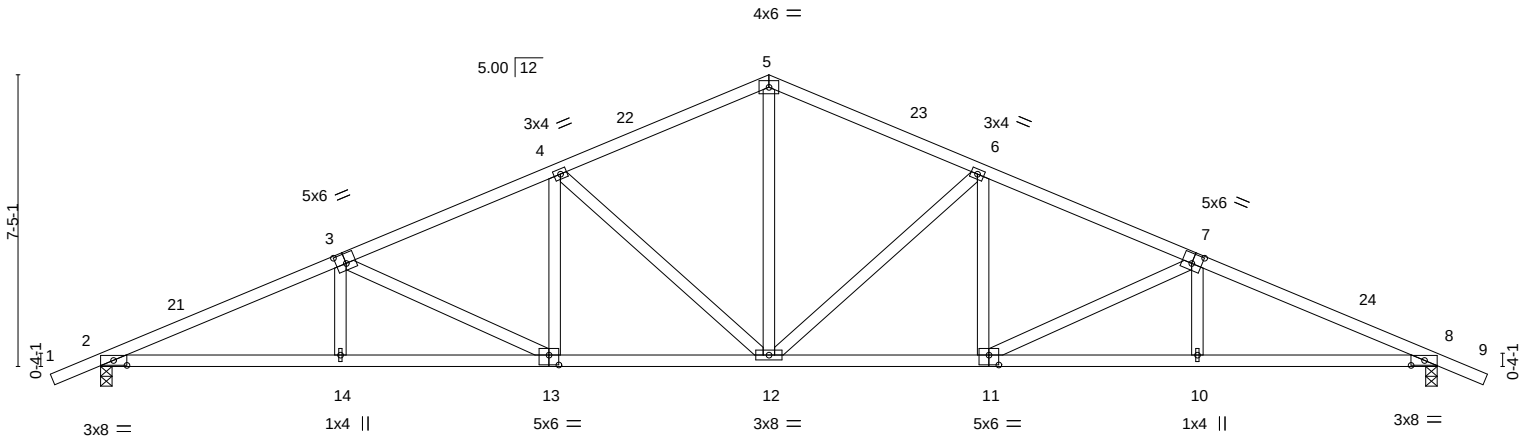
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A2	COMMON	12	1	R73871112
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:43 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-_Qnk?IHbHJfpVNs9KTmXSmq9ir8qDlELVZrZqpy9hys

1-2-0	6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0	35-2-0
1-2-0	6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3	1-2-0

Scale = 1:58.6



6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0
6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3

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

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)	-0.13	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.37	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.16	13-14	>999	240	Weight: 137 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=-130(LC 31)
Max Uplift 2=-810(LC 35), 8=-810(LC 36)
Max Grav 2=1647(LC 32), 8=1647(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4189/1872, 3-4=-3205/1353, 4-5=-2199/818, 5-6=-2199/830, 6-7=-3206/1356, 7-8=-4195/1874
BOT CHORD 2-14=-1671/3770, 13-14=-1193/3333, 12-13=-665/2402, 11-12=-648/2403, 10-11=-1177/3339, 8-10=-1655/3775
WEBS 5-12=-106/1145, 6-12=-780/142, 6-11=0/456, 7-11=-631/126, 4-12=-780/145, 4-13=0/456, 3-13=-631/125

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 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) 2=810, 8=810.
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 has been designed for a total drag load of 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 plf.
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
December 12,2022

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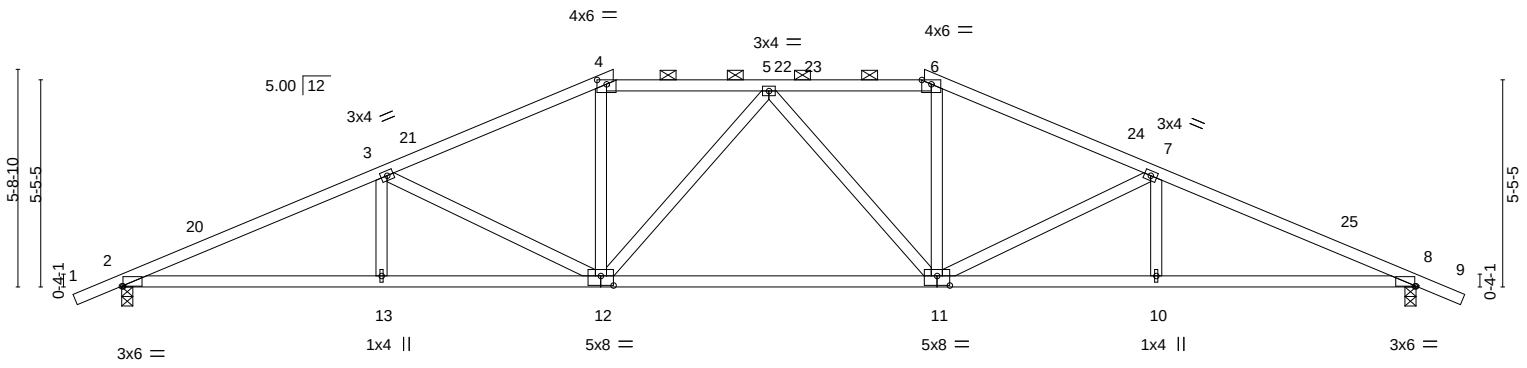
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A2B	HIP	1	1	R73871113
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:45 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-xpvVQ_IrpwvXkh0XSuo?XBvWjfqYhjOdytKgviy9hyq

1-2-0	6-9-14	12-8-13	13-0-0	17-0-0	21-0-0	21-3-3	27-2-2	34-0-0	35-2-0
1-2-0	6-9-14	5-10-15	0-3-3	4-0-0	4-0-0	0-3-3	5-10-15	6-9-14	1-2-0

Scale = 1:60.5



6-9-14	12-8-13	13-0-0	21-0-0	21-3-3	27-2-2	34-0-0
6-9-14	5-10-15	0-3-3	8-0-0	0-3-3	5-10-15	6-9-14

Plate Offsets (X,Y)-- [2:0-0-6,0-0-0], [4:0-3-0,0-1-6], [6:0-3-0,0-1-6], [8:0-0-6,0-0-0], [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	0.35	Vert(LL)	-0.20	11-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.55	11-12	>746	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.13	11-12	>999	240	Weight: 131 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 (4-7-13 max.): 4-6.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=98(LC 11)
Max Uplift 2=-182(LC 12), 8=-182(LC 12)
Max Grav 2=1579(LC 1), 8=1579(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3211/404, 3-4=-2550/355, 4-5=-2281/357, 5-6=-2282/357, 6-7=-2550/355, 7-8=-3211/404
BOT CHORD 2-13=-287/2915, 12-13=-287/2915, 11-12=-210/2460, 10-11=-299/2915, 8-10=-299/2915
WEBS 4-12=-28/711, 3-12=-717/150, 6-11=-28/711, 7-11=-717/150, 5-12=-378/88, 5-11=-378/88

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 12-7-1, Exterior(2R) 12-7-1 to 17-4-12, Interior(1) 17-4-12 to 21-4-15, Exterior(2R) 21-4-15 to 26-2-10, Interior(1) 26-2-10 to 35-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
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
December 12,2022

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

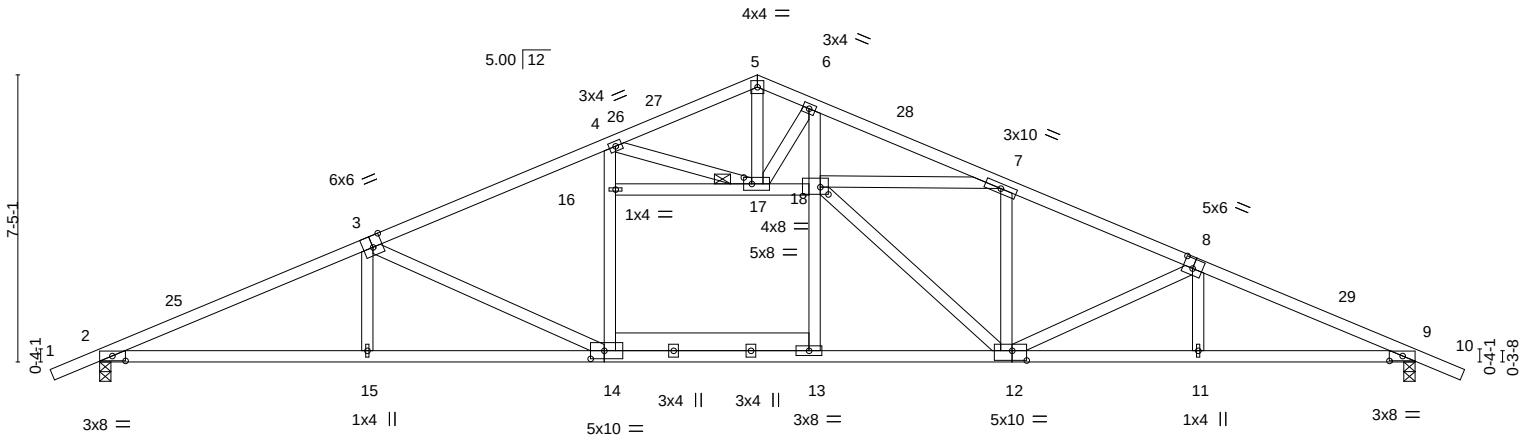
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A2M	ROOF TRUSS	5	1	R73871114
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:46 2022 Page 1

ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-P?TteKJTaE1NMrbk?cJE3PSh33A2Q9tnBX3DR8y9hyp

1-2-0	6-11-0	13-2-4	17-0-0	18-5-12	23-5-4	28-4-11	34-0-0	35-2-0
1-2-0	6-11-0	6-3-4	3-9-12	1-5-12	4-11-8	4-11-8	5-7-5	1-2-0

Scale = 1:59.6



6-11-0	13-2-4	18-5-12	23-5-4	28-4-11	34-0-0
6-11-0	6-3-4	5-3-8	4-11-8	4-11-8	5-7-5

Plate Offsets (X,Y)-- [2:0-4-2,0-1-8], [3:0-3-0,Edge], [8:0-3-0,0-3-0], [9:0-4-2,0-1-8], [12:0-4-8,0-3-0], [14:0-4-4,0-2-8], [17:0-2-8,0-2-0], [18:0-2-8,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.12	14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.38	14-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.12	14	>999	240	Weight: 159 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.
JOINTS	1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-130(LC 10)
Max Uplift 2=-102(LC 12), 9=-112(LC 12)
Max Grav 2=1659(LC 1), 9=1649(LC 1)

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

TOP CHORD	2-3=-3432/160, 3-4=-2800/131, 4-5=-1331/110, 5-6=-1283/118, 6-7=-1481/152, 7-8=-2943/176, 8-9=-3472/188
BOT CHORD	2-15=-63/3101, 14-15=-67/3104, 13-14=0/2511, 12-13=0/2505, 11-12=-110/3145, 9-11=-108/3149
WEBS	3-14=-674/133, 14-16=0/641, 4-16=0/642, 17-18=-1407/75, 6-18=-277/184, 7-12=0/333, 8-12=-551/93, 5-17=-169/746, 6-17=-408/169, 4-17=-1417/125, 7-18=-1400/136, 12-18=-129/431

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 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, 15-10-0 from left end, supported at two points, 2-6-0 apart.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=102, 9=112.
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
December 12,2022

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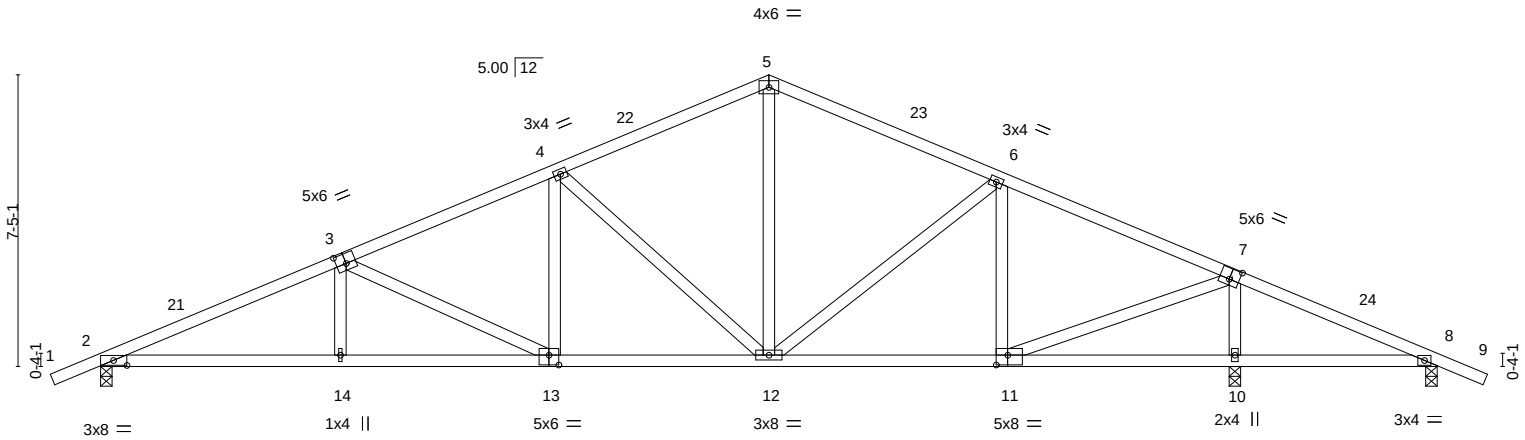
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A3	COMMON	6	1	R73871115
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:48 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-LNad30Lk6rH5b9l670Mi9qX1hss?u?L4erYKV1y9hyn

1-2-0	6-1-3	11-6-10	17-0-0	22-11-2	28-10-4	34-0-0	35-2-0
1-2-0	6-1-3	5-5-6	5-5-6	5-11-2	5-11-2	5-1-12	1-2-0

Scale = 1:58.6



6-1-3	11-6-10	17-0-0	22-11-2	28-10-4	34-0-0
6-1-3	5-5-6	5-5-6	5-11-2	5-11-2	5-1-12

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

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	0.37	Vert(LL)	-0.07	13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.20	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.14	13-14	>999	240	Weight: 137 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, 8=0-3-8
Max Horz 2=-130(LC 32)
Max Uplift 2=-835(LC 35), 10=-473(LC 36), 8=-408(LC 36)
Max Grav 2=1530(LC 32), 10=1826(LC 1), 8=394(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3737/1925, 3-4=-2745/1408, 4-5=-1739/872, 5-6=-1536/675, 6-7=-1848/1030, 7-8=-885/1279
BOT CHORD 2-14=-1721/3353, 13-14=-1243/2916, 12-13=-716/1978, 11-12=-323/1134, 10-11=-805/488, 8-10=-1218/881
WEBS 3-13=-641/129, 4-13=0/456, 4-12=-780/146, 5-12=-145/624, 6-12=-181/311, 6-11=-535/278, 7-11=-563/1765, 7-10=-1678/567

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 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) 2=835.
6) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 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 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 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
December 12,2022

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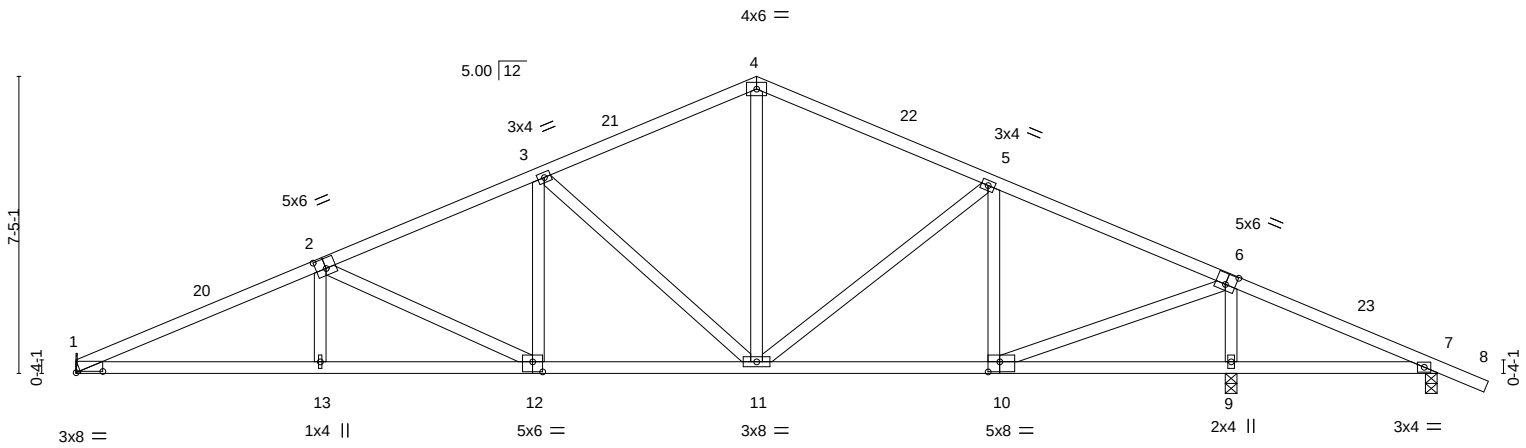
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A3A	COMMON	5	1	R73871116
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:50 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-HmiOUhM_dTXpqSuVEROAEFdNBgYlMvqN691Rawy9hyl

6-1-3	11-6-10	17-0-0	22-11-2	28-10-4	34-0-0	35-2-0
6-1-3	5-5-6	5-5-6	5-11-2	5-11-2	5-1-12	1-2-0

Scale = 1:57.6



6-1-3	11-6-10	17-0-0	22-11-2	28-10-4	34-0-0
6-1-3	5-5-6	5-5-6	5-11-2	5-11-2	5-1-12

Plate Offsets (X,Y)-- [1:0-8-0,0-0-6], [2:0-3-0,0-3-0], [6:0-3-0,0-3-4], [10:0-3-8,0-3-0], [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	0.37	Vert(LL)	-0.07	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.20	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.12	12-13	>999	240	Weight: 136 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=Mechanical, 9=0-3-8, 7=0-3-8
Max Horz 1=-129(LC 10)
Max Uplift 1=-654(LC 35), 9=-411(LC 36), 7=-337(LC 36)
Max Grav 1=1349(LC 32), 9=1829(LC 1), 7=323(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3369/1599, 2-3=-2519/1178, 3-4=-1611/744, 4-5=-1450/588, 5-6=-1678/859, 6-7=-717/1122
BOT CHORD 1-13=-1421/3071, 12-13=-1038/2721, 11-12=-595/1860, 10-11=-264/1078, 9-10=-728/410, 7-9=-1067/727
WEBS 2-12=-658/133, 3-12=0/459, 3-11=-783/146, 4-11=-126/625, 5-11=-148/279, 5-10=-505/248, 6-10=-477/1682, 6-9=-1678/502

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-4-13, Interior(1) 3-4-13 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=654.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 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 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 34-0-0 for 70.6 plf.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
December 12,2022

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

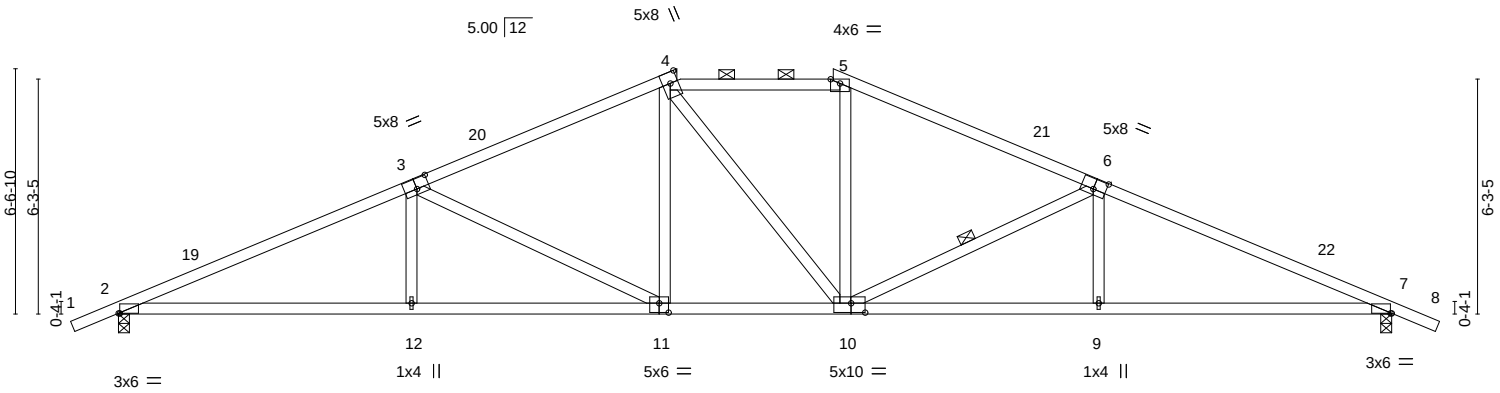
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A3B	HIP	1	1	R73871117
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:52 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-E9q8uNOE94nX4m2tMsQfJgihNUCyqoofZSWYeoy9hyj

1-2-0	7-9-14	14-8-13	15-0-0	19-0-0	19-3-3	26-2-2	34-0-0	35-2-0
1-2-0	7-9-14	6-10-15	0-3-3	4-0-0	0-3-3	6-10-15	7-9-14	1-2-0

Scale = 1:61.5



7-9-14	14-8-13	15-0-0	19-0-0	19-3-3	26-2-2	34-0-0
7-9-14	6-10-15	0-3-3	4-0-0	0-3-3	6-10-15	7-9-14

Plate Offsets (X,Y)-- [2:0-0-6,0-0-0], [3:0-4-0,0-3-4], [5:0-3-0,0-1-6], [6:0-4-0,0-3-4], [7:0-0-6,0-0-0], [10:0-4-8,0-3-0], [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	0.45	Vert(LL)	-0.13	10-11	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.35	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.13	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.13	10-11	>999	240	Weight: 130 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 (4-10-11 max.): 4-5.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-10

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-112(LC 10)
Max Uplift 2=-182(LC 12), 7=-182(LC 12)
Max Grav 2=1579(LC 1), 7=1579(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3148/395, 3-4=-2374/360, 4-5=-2064/362, 5-6=-2330/356, 6-7=-3147/396
BOT CHORD 2-12=-269/2850, 11-12=-272/2845, 10-11=-139/2103, 9-10=-285/2843, 7-9=-282/2848
WEBS 3-12=0/317, 6-9=0/319, 4-11=-1/531, 3-11=-823/149, 5-10=-21/604, 6-10=-879/159

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 14-7-14, Exterior(2E) 14-7-14 to 19-4-15, Exterior(2R) 19-4-15 to 24-2-10, Interior(1) 24-2-10 to 35-2-11 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 7. 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
December 12,2022

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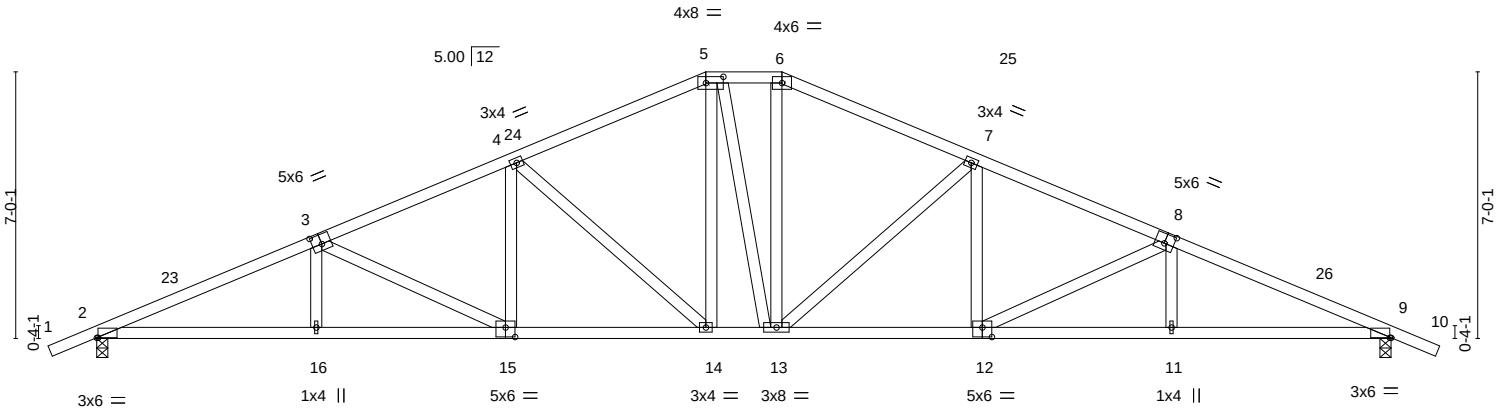
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A3C	Hip	1	1	R73871118
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:54 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-AXyuJ3PUhh2FJ4CGTHT7O5n4AHw2IlVy1m?ejhy9hyh

1-2-0	5-9-3	10-10-10	16-0-0	18-0-0	23-1-6	28-2-13	34-0-0	35-2-0
1-2-0	5-9-3	5-1-6	5-1-6	2-0-0	5-1-6	5-1-6	5-9-3	1-2-0

Scale = 1:60.5



5-9-3	10-10-10	16-0-0	18-0-0	23-1-6	28-2-13	34-0-0
5-9-3	5-1-6	5-1-6	2-0-0	5-1-6	5-1-6	5-9-3

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

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)	-0.13	14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.37	14-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.13	14-15	>999	240	Weight: 149 lb	FT = 20%

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

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=123(LC 11)
Max Uplift 2=-182(LC 12), 9=-182(LC 12)
Max Grav 2=1579(LC 1), 9=1579(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3287/369, 3-4=-2733/356, 4-5=-2115/331, 5-6=-1900/333, 6-7=-2119/331, 7-8=-2731/356, 8-9=-3286/368
BOT CHORD 2-16=-260/2977, 15-16=-262/2973, 14-15=-183/2452, 13-14=-87/1895, 12-13=-195/2450, 11-12=-275/2969, 9-11=-272/2975
WEBS 3-15=-577/90, 4-15=0/439, 4-14=-754/137, 5-14=-48/551, 6-13=-56/555, 7-13=-745/136, 7-12=0/436, 8-12=-576/91

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 16-0-0, Exterior(2E) 16-0-0 to 18-0-0, Exterior(2R) 18-0-0 to 22-9-11, Interior(1) 22-9-11 to 35-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=182, 9=182.
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
December 12,2022

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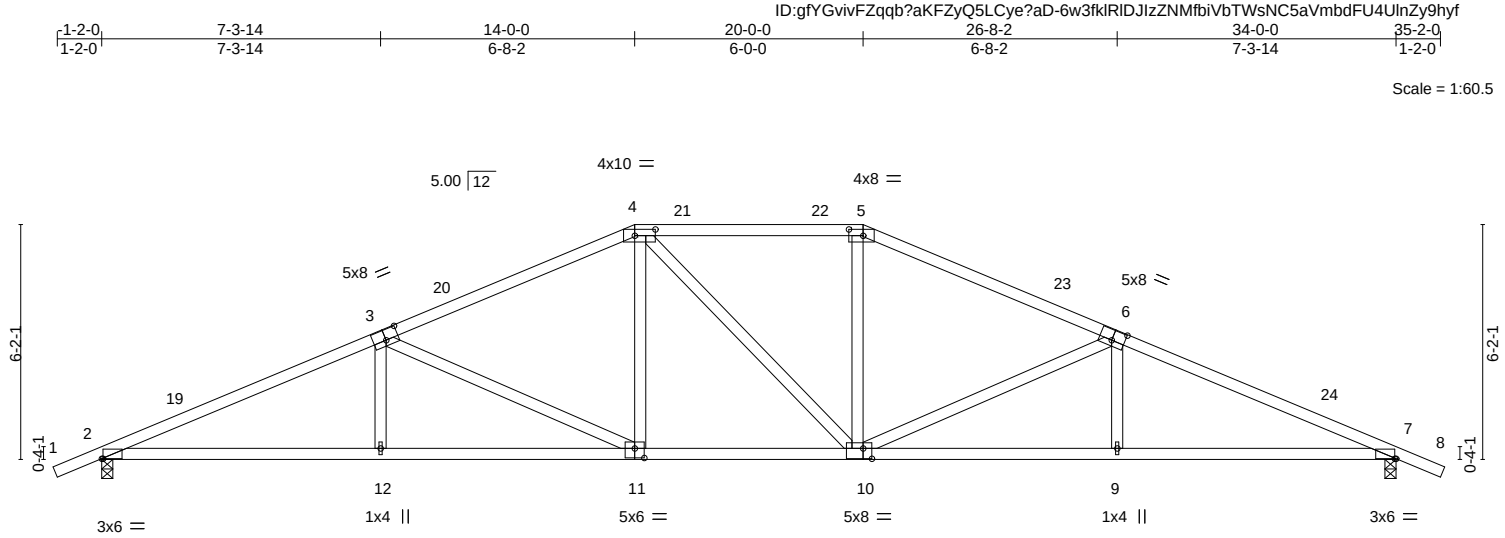
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A4C	HIP	1	1	R73871119
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:56 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-6w3fklRlDJIzZNMfbiVbTWsNC5aVmbdFU4UlnZy9hyf



7-3-14	14-0-0	20-0-0	26-8-2	34-0-0
7-3-14	6-8-2	6-0-0	6-8-2	7-3-14

Plate Offsets (X,Y)-- [2:0-0-6,0-0-0], [3:0-4-0,0-3-4], [4:0-6-8,0-2-0], [5:0-4-8,0-2-0], [6:0-4-0,0-3-4], [7:0-0-6,0-0-0], [10:0-2-12,0-3-4], [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	0.46	Vert(LL)	-0.13	10-11	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.36	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.13	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.13	11	>999	240	Weight: 129 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, 7=0-3-8
Max Horz 2=108(LC 11)
Max Uplift 2=-426(LC 35), 7=-426(LC 36)
Max Grav 2=1579(LC 1), 7=1579(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3184/964, 3-4=-2396/673, 4-5=-2124/477, 5-6=-2397/668, 6-7=-3183/944
BOT CHORD 2-12=-827/2886, 11-12=-594/2881, 10-11=-264/2123, 9-10=-561/2881, 7-9=-794/2885
WEBS 3-12=0/298, 3-11=-840/162, 4-11=0/555, 5-10=-28/555, 6-10=-839/154, 6-9=0/298

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 14-0-0, Exterior(2R) 14-0-0 to 18-9-11, Interior(1) 18-9-11 to 20-0-0, Exterior(2R) 20-0-0 to 24-9-11, Interior(1) 24-9-11 to 35-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=426, 7=426.
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 34-0-0 for 35.3 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
December 12,2022

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

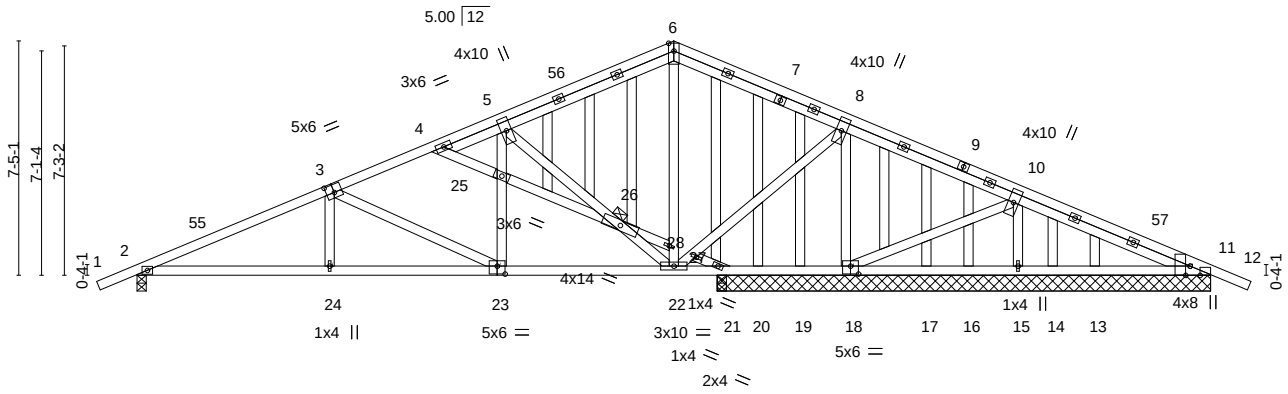
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A4E	GABLE	1	1	R73871120
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:21:59 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-WVlnMmTdWEgXQr4DGq2I58UwrIf5z?LhA2jPOuy9hyc

1-2-0	6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0	35-2-0
1-2-0	6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3	1-2-0

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

Scale = 1:73.0



6-1-3	11-6-10	17-0-0	18-8-0	22-5-6	27-10-13	34-0-0
6-1-3	5-5-6	5-5-6	1-8-0	3-9-6	5-5-6	6-1-3

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [11:0-3-13,Edge], [11:0-3-8,Edge], [18:0-3-0,0-3-0], [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	0.31	Vert(LL)	-0.04	24-51	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.13	24-51	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.03	21	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.06	24-51	>999	240	Weight: 219 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.
BOT CHORD	Rigid ceiling directly applied.
JOINTS	1 Brace at Jt(s): 26

REACTIONS. All bearings 15-7-8 except (jt=length) 2=0-3-8.
(lb) - Max Horz 2=127(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14, 13 except 2=-448(LC 35), 18=-299(LC 35), 15=-364(LC 36), 21=-125(LC 35), 11=-257(LC 36), 20=-230(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 20, 19, 17, 16, 14, 13, 11 except 2=925(LC 32), 18=1490(LC 1), 15=446(LC 33), 21=385(LC 1), 21=385(LC 1), 11=308(LC 33)

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

TOP CHORD	2-3=-2018/947, 3-4=-1322/673, 4-5=-1090/529, 5-6=-520/374, 6-8=-591/452, 8-10=-561/989, 10-11=-447/616
BOT CHORD	2-24=-820/1823, 23-24=-565/1588, 22-23=-258/884, 21-22=-462/200, 20-21=-578/262, 19-20=-641/325, 18-19=-716/400, 17-18=-261/119, 16-17=-323/181, 15-16=-397/255, 14-15=-449/302, 13-14=-512/370, 11-13=-618/476
WEBS	22-28=-75/907, 8-28=-74/944, 8-18=-1311/209, 10-18=-659/440, 10-15=-398/376, 5-26=-770/135, 22-26=-802/143, 23-25=0/468, 5-25=0/474, 3-23=-603/111

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 13 except (jt=lb) 15=364, 11=257, 11=257.
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.

Continued on page 2

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

EXPIRES: 12/31/2024
December 12,2022

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

NOTES-

11) This truss has been designed for a total drag load of 1600 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 47.1 plf.
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.

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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400 Sunrise Avenue, Suite 270
Roseville, CA 95661

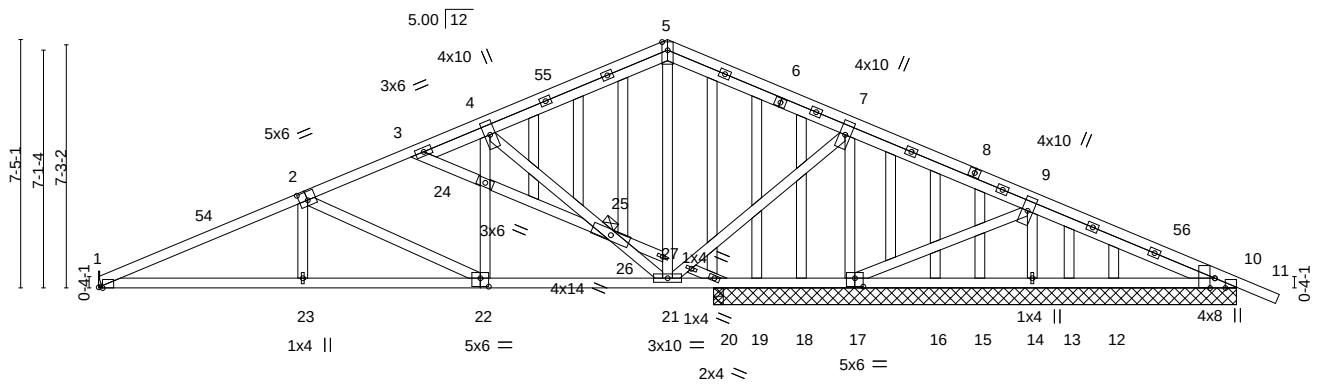
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A4EA	GABLE	1	1	R73871121
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:03 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-PG_IC8W8ZSAzuSO?Vg7EG_fbUv0ZvpGH5ghdXfy9hyY

6-1-3	11-6-10	17-0-0	22-5-6	27-10-13	34-0-0	35-2-0
6-1-3	5-5-6	5-5-6	5-5-6	5-5-6	6-1-3	1-2-0

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

Scale = 1:68.8



6-1-3	11-6-10	17-0-0	18-8-0	22-5-6	27-10-13	34-0-0
6-1-3	5-5-6	5-5-6	1-8-0	3-9-6	5-5-6	6-1-3

Plate Offsets (X,Y)-- [1:0-1-6,Edge], [2:0-3-0,0-3-0], [10:0-3-13,Edge], [10:0-3-8,Edge], [17:0-3-0,0-3-0], [22:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.05	23-50	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.14	23-50	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.03	20	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.07	23-50	>999	240	Weight: 217 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.
BOT CHORD	Rigid ceiling directly applied.
JOINTS	1 Brace at Jt(s): 25

REACTIONS. All bearings 15-7-8 except (jt=length) 1=Mechanical.
(lb) - Max Horz 1=-127(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 13, 12 except 1=-402(LC 35), 17=-303(LC 35), 14=-363(LC 36), 20=-126(LC 35), 10=-257(LC 36), 19=-232(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 19, 18, 16, 15, 13, 12, 10 except 1=879(LC 32), 17=1496(LC 1), 14=446(LC 33), 20=387(LC 1), 20=387(LC 1), 10=308(LC 33)

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

TOP CHORD	1-2=-2030/951, 2-3=-1323/674, 3-4=-1093/530, 4-5=-519/374, 5-7=-591/452, 7-9=-564/992, 9-10=-448/618
BOT CHORD	1-23=-824/1835, 22-23=-570/1600, 21-22=-258/885, 20-21=-465/201, 19-20=-581/263, 18-19=-644/326, 17-18=-719/401, 16-17=-262/119, 15-16=-325/182, 14-15=-399/256, 13-14=-450/302, 12-13=-513/370, 10-12=-619/476
WEBS	21-27=-76/912, 7-27=-76/949, 7-17=-1316/210, 9-17=-662/441, 9-14=-398/374, 4-25=-776/136, 21-25=-806/144, 22-24=0/472, 4-24=0/478, 2-22=-621/118

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-4-13, Interior(1) 3-4-13 to 17-0-0, Exterior(2R) 17-0-0 to 20-4-13, Interior(1) 20-4-13 to 35-2-11 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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 12 except (jt=lb) 1=402, 14=363, 10=257, 10=257.
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.

Continued on page 2

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A4EA	GABLE	1	1	R73871121 Job Reference (optional)

NOTES-

12) This truss has been designed for a total drag load of 1600 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 47.1 plf.
13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A4EB	GABLE	1	1	R73871122
					Job Reference (optional)

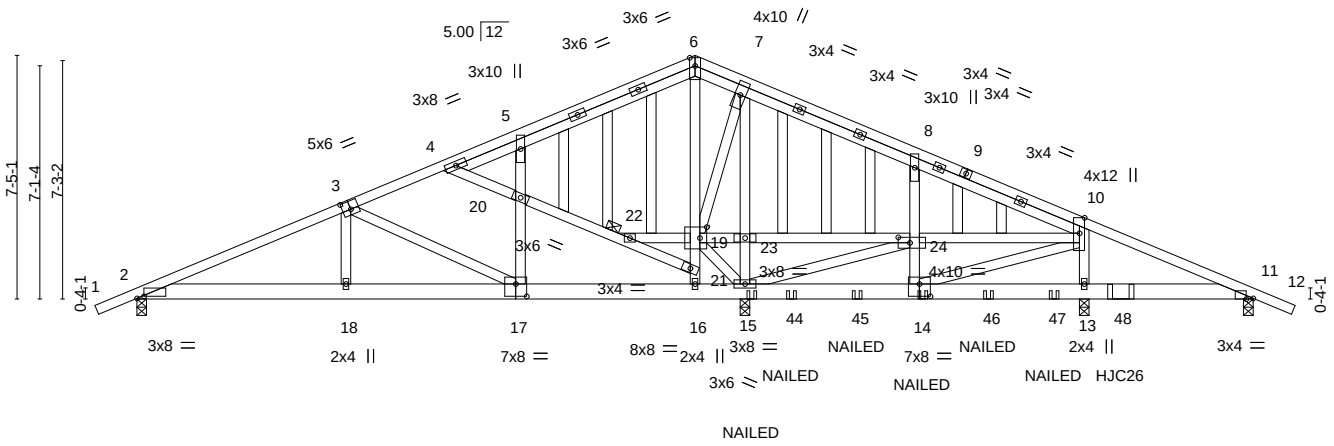
US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:07 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-H1Ep2VZedhgPN3imkWBAQqqHpXPGre2t0IfqgQy9hyU

1-2-0	6-4-6	11-8-3	17-0-0	18-6-4	23-8-4	28-10-4	34-0-0	35-2-0
1-2-0	6-4-6	5-3-13	5-3-13	1-6-4	5-2-0	5-2-0	5-1-12	1-2-0

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

4x8 ||

Scale = 1:70.2



6-4-6	11-8-3	17-0-0	18-6-4	23-8-4	28-10-4	34-0-0
6-4-6	5-3-13	5-3-13	1-6-4	5-2-0	5-2-0	5-1-12

Plate Offsets (X,Y)-- [2:0-2-9,0-0-12], [3:0-3-0,0-3-0], [10:0-5-11,Edge], [11:0-2-9,Edge], [14:0-4-0,0-4-8], [17:0-4-0,0-4-8], [19:0-2-8,0-4-0], [24:0-4-4,0-2-0]

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	0.37	Vert(LL)	-0.05	17-18	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.15	17-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.02	15	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.08	17-18	>999	240	Weight: 234 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* 6-16: 2x4 SPF 1650F 1.5E
OTHERS	2x4 HF/SPF Stud/Std

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-9-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 17-18,16-17.
JOINTS	1 Brace at Jt(s): 22

REACTIONS. All bearings 0-3-8 except (jt=length) 15=0-3-9 (input: 0-3-8 + Two SBP4 USP).
(lb) - Max Horz 2=-127(LC 45)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-411(LC 27), 15=-467(LC 27), 13=-538(LC 28), 11=-228(LC 28)
Max Grav All reactions 250 lb or less at joint(s) except 2=749(LC 24), 15=2253(LC 1), 13=1409(LC 40), 11=279(LC 25)

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

TOP CHORD	2-3=-1379/831, 3-4=-646/518, 4-5=-279/496, 5-6=-111/562, 6-7=-160/583, 7-8=-521/933, 8-10=-864/1199, 10-11=-501/715
BOT CHORD	2-18=-703/1353, 17-18=-423/1064, 16-17=-98/450, 15-16=-330/343, 14-15=-408/413, 13-14=-491/329, 11-13=-681/522
WEBS	3-18=0/350, 3-17=-565/83, 17-20=0/320, 5-20=0/287, 19-21=-111/474, 6-19=-728/126, 7-19=-89/384, 15-23=-517/136, 7-23=-552/135, 8-24=-288/161, 10-14=-387/794, 10-13=-701/511, 4-20=-700/119, 20-22=-794/134, 21-22=-816/134, 19-23=-75/405, 15-19=-1192/184, 23-24=-75/404, 10-24=-723/435, 15-24=-1194/544

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=34ft; 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) 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) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15, 2, 13, and 11. 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 has been designed for a total drag load of 1800 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 52.9 plf.

Continued on page 2

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

EXPIRES: 12/31/2024
December 12,2022

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Roseville, CA 95661

NOTES-

10) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 29-11-10 from the left end to connect truss(es) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
13) 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: 1-6=-68, 6-12=-68, 2-11=-20
   Concentrated Loads (lb)
   Vert: 15=-148(F) 14=-135(F) 44=-135(F) 45=-135(F) 46=-135(F) 47=-135(F) 48=-355(F)

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

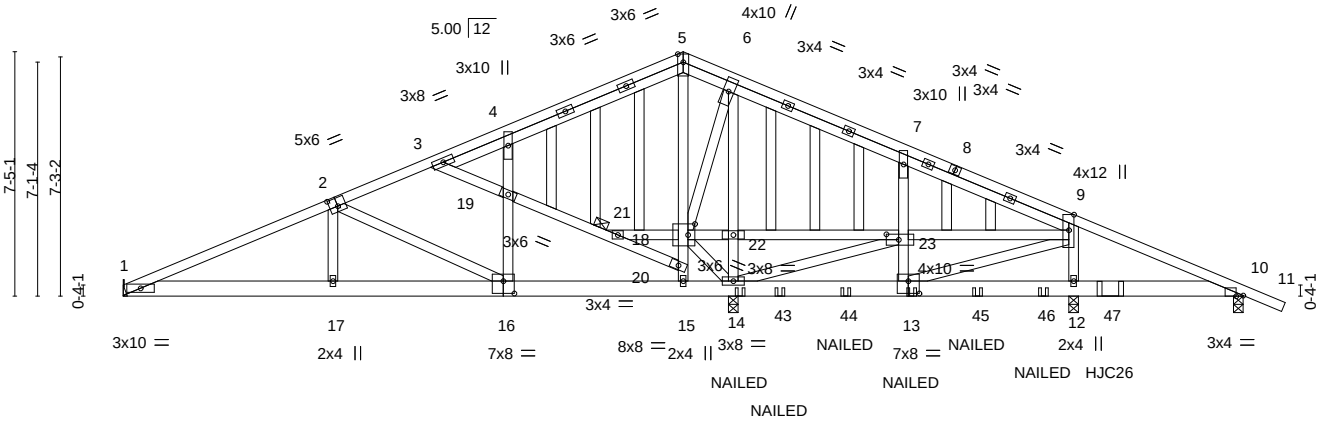
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A4EBA	GABLE	1	1	R73871123
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:10 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-icwygXcXwc3_EXQLPelt2TSo2kRh2_vJiGtVHly9hyR

6-4-6	11-8-3	17-0-0	18-6-4	23-8-4	28-10-4	34-0-0	35-2-0
6-4-6	5-3-13	5-3-13	1-6-4	5-2-0	5-2-0	5-1-12	1-2-0

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

Scale = 1:70.0



6-4-6	11-8-3	17-0-0	18-6-4	23-8-4	28-10-4	34-0-0
6-4-6	5-3-13	5-3-13	1-6-4	5-2-0	5-2-0	5-1-12

Plate Offsets (X,Y)-- [2:0-3-0,0-3-0], [9:0-5-11,Edge], [10:0-2-9,Edge], [13:0-4-0,0-4-8], [16:0-4-0,0-4-8], [18:0-2-8,0-4-0], [23:0-4-8,0-2-0]

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	0.38	Vert(LL)	-0.05	16-17	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.15	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.08	16-17	>999	240	Weight: 232 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x6 SPF 1650F 1.5E
WEBS	2x4 HF/SPF Stud/Std *Except* 5-15: 2x4 SPF 1650F 1.5E
OTHERS	2x4 HF/SPF Stud/Std

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-9-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 16-17,15-16.
JOINTS	1 Brace at Jt(s): 21

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical.
(lb) - Max Horz 1=-126(LC 45)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-370(LC 27), 14=-453(LC 27), 12=-528(LC 28), 10=-226(LC 28)
Max Grav All reactions 250 lb or less at joint(s) except 1=715(LC 24), 14=2230(LC 1), 12=1417(LC 40), 10=279(LC 25)

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

TOP CHORD	1-2=-1410/852, 2-3=-678/533, 3-4=-296/494, 4-5=-129/538, 5-6=-145/548, 6-7=-505/893, 7-9=-848/1159, 9-10=-497/705
BOT CHORD	1-17=-722/1380, 16-17=-442/1091, 15-16=-109/477, 14-15=-302/330, 13-14=-382/424, 12-13=-480/324, 10-12=-673/518
WEBS	2-17=0/352, 2-16=-570/96, 16-19=0/318, 4-19=0/286, 18-20=-113/476, 5-18=-711/116, 6-18=-90/377, 14-22=-509/138, 6-22=-543/137, 7-23=-288/161, 9-13=-379/800, 9-12=-701/501, 3-19=-700/122, 19-21=-794/137, 20-21=-817/138, 18-22=-72/400, 14-18=-1180/177, 22-23=-73/399, 9-23=-713/431, 14-23=-1181/537

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=34ft; 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) 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 1.
9) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14, 12, and 10. 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
December 12,2022

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

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NOTES-

11) This truss has been designed for a total drag load of 1800 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 52.9 plf.
12) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 29-11-10 from the left end to connect truss(es) to front face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.
14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
15) 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=-68, 5-11=-68, 1-10=-20
   Concentrated Loads (lb)
   Vert: 14=-148(F) 13=-135(F) 43=-135(F) 44=-135(F) 45=-135(F) 46=-135(F) 47=-355(F)

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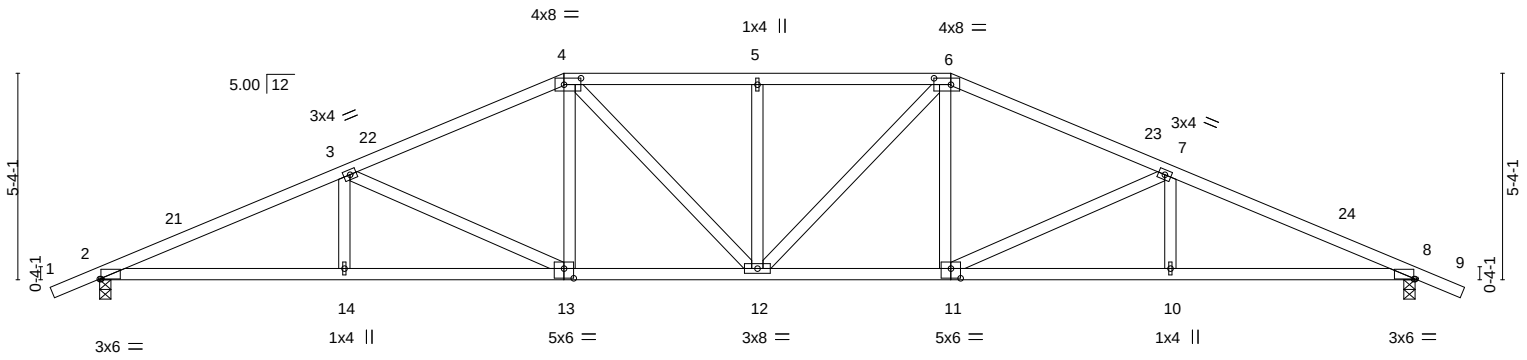
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A5	Hip	1	1	R73871124
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:12 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-e?1i5DdnSDJhTrajX3nL7uX9nY21WwOcAaMbMey9hyP

1-2-0	6-3-14	12-0-0	17-0-0	22-0-0	27-8-2	34-0-0	35-2-0
1-2-0	6-3-14	5-8-2	5-0-0	5-0-0	5-8-2	6-3-14	1-2-0

Scale = 1:59.6



6-3-14	12-0-0	17-0-0	22-0-0	27-8-2	34-0-0
6-3-14	5-8-2	5-0-0	5-0-0	5-8-2	6-3-14

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

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	0.30	Vert(LL)	-0.14	12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.38	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.13	12	>999	240	Weight: 135 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=94(LC 11)
Max Uplift 2=-182(LC 12), 8=-182(LC 12)
Max Grav 2=1579(LC 1), 8=1579(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3267/404, 3-4=-2599/366, 4-5=-2543/391, 5-6=-2543/391, 6-7=-2599/366, 7-8=-3267/404
BOT CHORD 2-14=-291/2956, 13-14=-291/2956, 12-13=-171/2324, 11-12=-182/2324, 10-11=-304/2956, 8-10=-304/2956
WEBS 3-13=-701/135, 4-13=0/472, 4-12=-47/415, 5-12=-357/115, 6-12=-47/415, 6-11=0/472, 7-11=-701/135

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 12-0-0, Exterior(2R) 12-0-0 to 17-0-0, Interior(1) 17-0-0 to 22-0-0, Exterior(2R) 22-0-0 to 26-9-11, Interior(1) 26-9-11 to 35-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 2 and 182 lb uplift at joint 8.
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
December 12,2022

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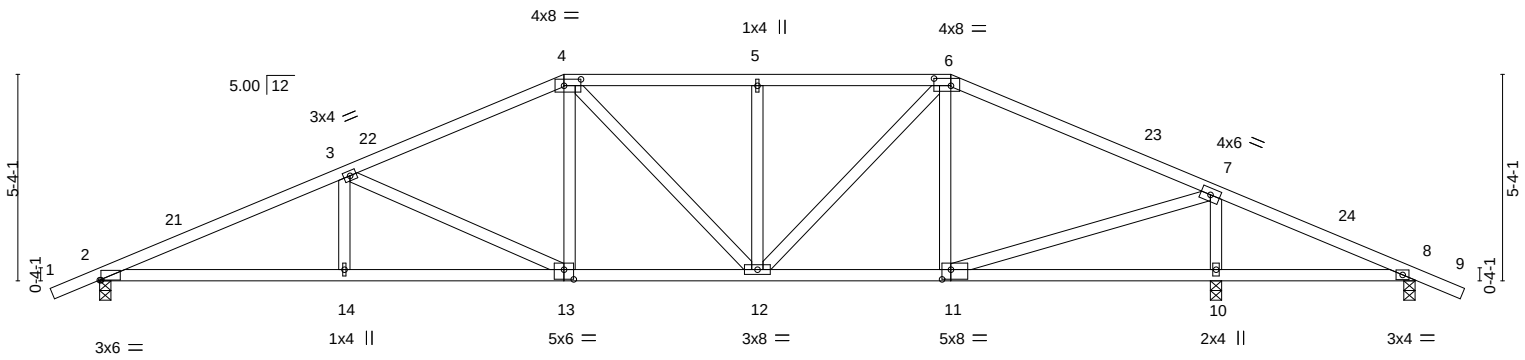
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380 R73871125
1380	A5C	HIP	1	1	Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:13 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-6Bb4IZePDXRY5_9w5mIaf54IAxO5FInlOE69u4y9hyO

1-2-0	6-3-14	12-0-0	17-0-0	22-0-0	28-10-4	34-0-0	35-2-0
1-2-0	6-3-14	5-8-2	5-0-0	5-0-0	6-10-4	5-1-12	1-2-0

Scale = 1:59.6



6-3-14	12-0-0	17-0-0	22-0-0	28-10-4	34-0-0
6-3-14	5-8-2	5-0-0	5-0-0	6-10-4	5-1-12

Plate Offsets (X,Y)-- [2:0-0-6,0-0-0], [4:0-5-4,0-2-0], [6:0-5-4,0-2-4], [11:0-2-12,0-3-0], [13:0-3-0,0-3-0]

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)	-0.07	13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.21	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.13	13-14	>999	240	Weight: 135 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, 8=0-3-8
Max Horz 2=94(LC 33)
Max Uplift 2=-773(LC 35), 10=-405(LC 36), 8=-413(LC 36)
Max Grav 2=1486(LC 32), 10=1770(LC 1), 8=419(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3592/1807, 3-4=-2535/1246, 4-5=-1944/868, 5-6=-1683/607, 6-7=-1905/999, 7-8=-880/1150
BOT CHORD 2-14=-1608/3219, 13-14=-1107/2768, 12-13=-506/1743, 11-12=-337/1212, 10-11=-720/476, 8-10=-1077/873
WEBS 3-14=0/251, 3-13=-711/162, 4-13=0/476, 4-12=-327/255, 5-12=-356/112, 6-12=-328/792, 6-11=-395/230, 7-11=-512/1686, 7-10=-1615/521

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 12-0-0, Exterior(2R) 12-0-0 to 17-0-0, Interior(1) 17-0-0 to 22-0-0, Exterior(2R) 22-0-0 to 26-9-11, Interior(1) 26-9-11 to 35-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 773 lb uplift at joint 2, 405 lb uplift at joint 10 and 413 lb uplift at joint 8.
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 3000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 34-0-0 for 88.2 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
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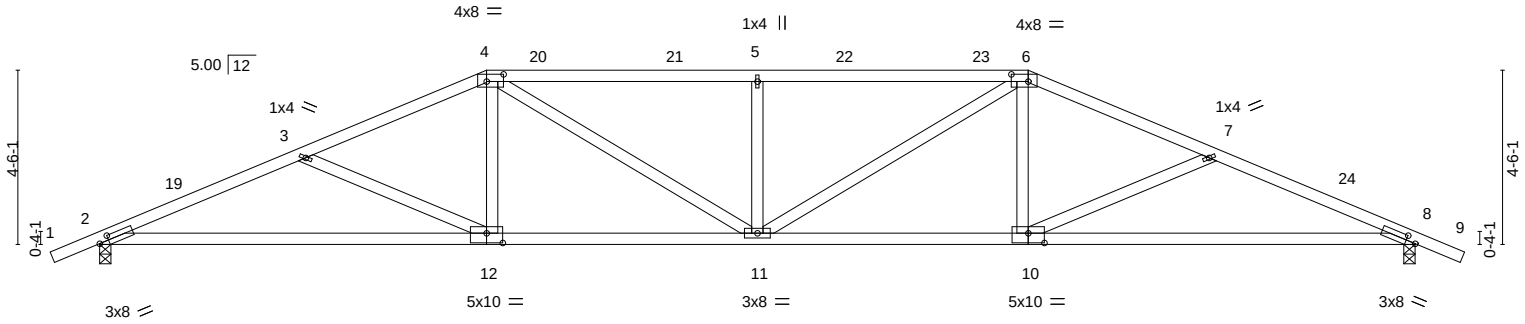
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A6	Hip	1	1	R73871126
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:15 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-2ajrjEgfl8hGKIJICBL2lW9dTl1RjK92sXbGyzy9hyM

1-2-0	5-3-14	10-0-0	17-0-0	24-0-0	28-8-2	34-0-0	35-2-0
1-2-0	5-3-14	4-8-2	7-0-0	7-0-0	4-8-2	5-3-14	1-2-0

Scale = 1:59.6



10-0-0	17-0-0	24-0-0	34-0-0
10-0-0	7-0-0	7-0-0	10-0-0

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

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	0.40	Vert(LL)	-0.21	12-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.53	12-15	>766	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.16	11	>999	240	Weight: 126 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=-80(LC 10)
Max Uplift 2=-182(LC 12), 8=-182(LC 12)
Max Grav 2=1579(LC 1), 8=1579(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3256/442, 3-4=-2839/357, 4-5=-3091/432, 5-6=-3091/432, 6-7=-2839/357, 7-8=-3256/442
BOT CHORD 2-12=-330/2976, 11-12=-192/2561, 10-11=-199/2561, 8-10=-342/2976
WEBS 3-12=-456/157, 4-12=0/491, 4-11=-94/716, 5-11=-530/164, 6-11=-94/716, 6-10=0/491, 7-10=-456/157

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 10-0-0, Exterior(2R) 10-0-0 to 14-9-11, Interior(1) 14-9-11 to 24-0-0, Exterior(2R) 24-0-0 to 28-10-6, Interior(1) 28-10-6 to 35-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 2 and 182 lb uplift at joint 8.
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
December 12,2022

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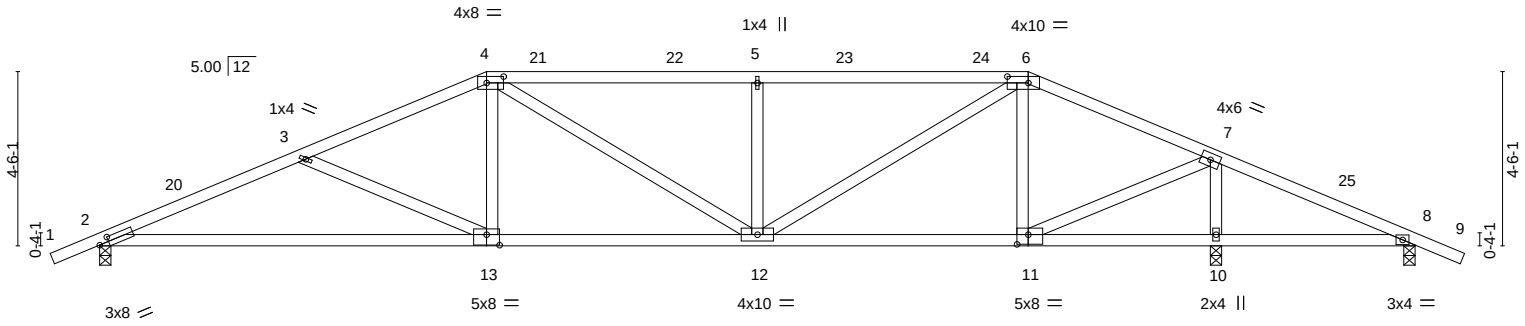
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A6C	HIP	1	1	R73871127
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:17 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-?zrb8whwGlx_acShKcNWqxEzLZi3B5ZLJr4M1ry9hyK

1-2-0	5-3-14	10-0-0	17-0-0	24-0-0	28-10-4	34-0-0	35-2-0
1-2-0	5-3-14	4-8-2	7-0-0	7-0-0	4-10-4	5-1-12	1-2-0

Scale = 1:59.6



10-0-0	17-0-0	24-0-0	28-10-4	34-0-0
10-0-0	7-0-0	7-0-0	4-10-4	5-1-12

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

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	0.44	Vert(LL)	-0.19	13-16	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.46	13-16	>746	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.11	12-13	>999	240	Weight: 128 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, 8=0-3-8
Max Horz 2=-80(LC 31)
Max Uplift 2=-603(LC 35), 10=-341(LC 36), 8=-360(LC 32)
Max Grav 2=1304(LC 32), 10=1907(LC 1), 8=266(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3087/1429, 3-4=-2467/1010, 4-5=-2209/911, 5-6=-1990/692, 6-7=-1363/672, 7-8=-698/1215
BOT CHORD 2-13=-1257/2857, 12-13=-468/1874, 11-12=-373/1060, 10-11=-859/392, 8-10=-1146/710
WEBS 3-13=-468/175, 4-13=0/488, 4-12=-347/387, 5-12=-535/166, 6-12=-433/1277, 6-11=-614/237, 7-11=-397/1770, 7-10=-1769/432

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 2-2-2, Interior(1) 2-2-2 to 10-0-0, Exterior(2R) 10-0-0 to 14-9-11, Interior(1) 14-9-11 to 24-0-0, Exterior(2R) 24-0-0 to 28-10-4, Interior(1) 28-10-4 to 35-2-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 603 lb uplift at joint 2, 341 lb uplift at joint 10 and 360 lb uplift at joint 8.
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 34-0-0 for 70.6 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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A6CS	HIP	1	1	R73871128
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:19 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-xLyLZcjAoNBipvc3R1P_vMJJlMOQf?1en9ZT5ky9hyI

5-3-14	10-0-0	17-0-0	24-0-0	28-10-4	34-0-0	35-2-0
5-3-14	4-8-2	7-0-0	7-0-0	4-10-4	5-1-12	1-2-0

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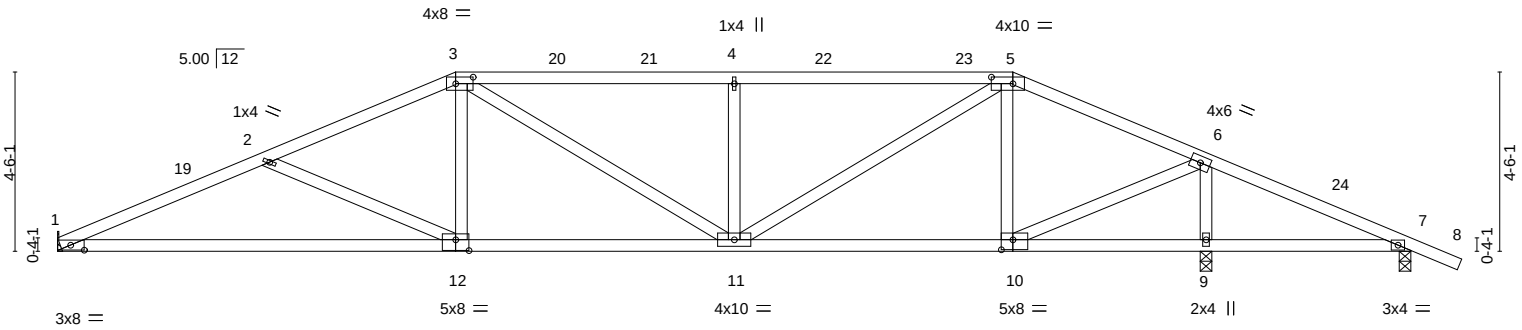

10-0-0	17-0-0	24-0-0	28-10-4	34-0-0
10-0-0	7-0-0	7-0-0	4-10-4	5-1-12

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

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	0.44	Vert(LL)	-0.19	12-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.47	12-15	>735	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.11	12	>999	240	Weight: 127 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=Mechanical, 9=0-3-8, 7=0-3-8
Max Horz 1=-80(LC 31)
Max Uplift 1=-557(LC 35), 9=-343(LC 36), 7=-361(LC 32)
Max Grav 1=1259(LC 32), 9=1910(LC 1), 7=268(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3100/1434, 2-3=-2473/1012, 3-4=-2212/912, 4-5=-1993/693, 5-6=-1364/672, 6-7=-698/1217
BOT CHORD 1-12=-1263/2871, 11-12=-470/1882, 10-11=-373/1061, 9-10=-861/393, 7-9=-1148/710
WEBS 2-12=-482/178, 3-12=0/493, 3-11=-342/385, 4-11=-535/166, 5-11=-434/1279, 5-10=-616/237, 6-10=-398/1774, 6-9=-1772/433

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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-4-13, Interior(1) 3-4-13 to 10-0-0, Exterior(2R) 10-0-0 to 14-9-11, Interior(1) 14-9-11 to 24-0-0, Exterior(2R) 24-0-0 to 28-10-4, Interior(1) 28-10-4 to 35-2-11 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 557 lb uplift at joint 1, 343 lb uplift at joint 9 and 361 lb uplift at joint 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.
9) 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 34-0-0 for 70.6 plf.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A7G	ROOF SPECIAL GIRDER	1	1	R73871129
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:21 2022 Page 1

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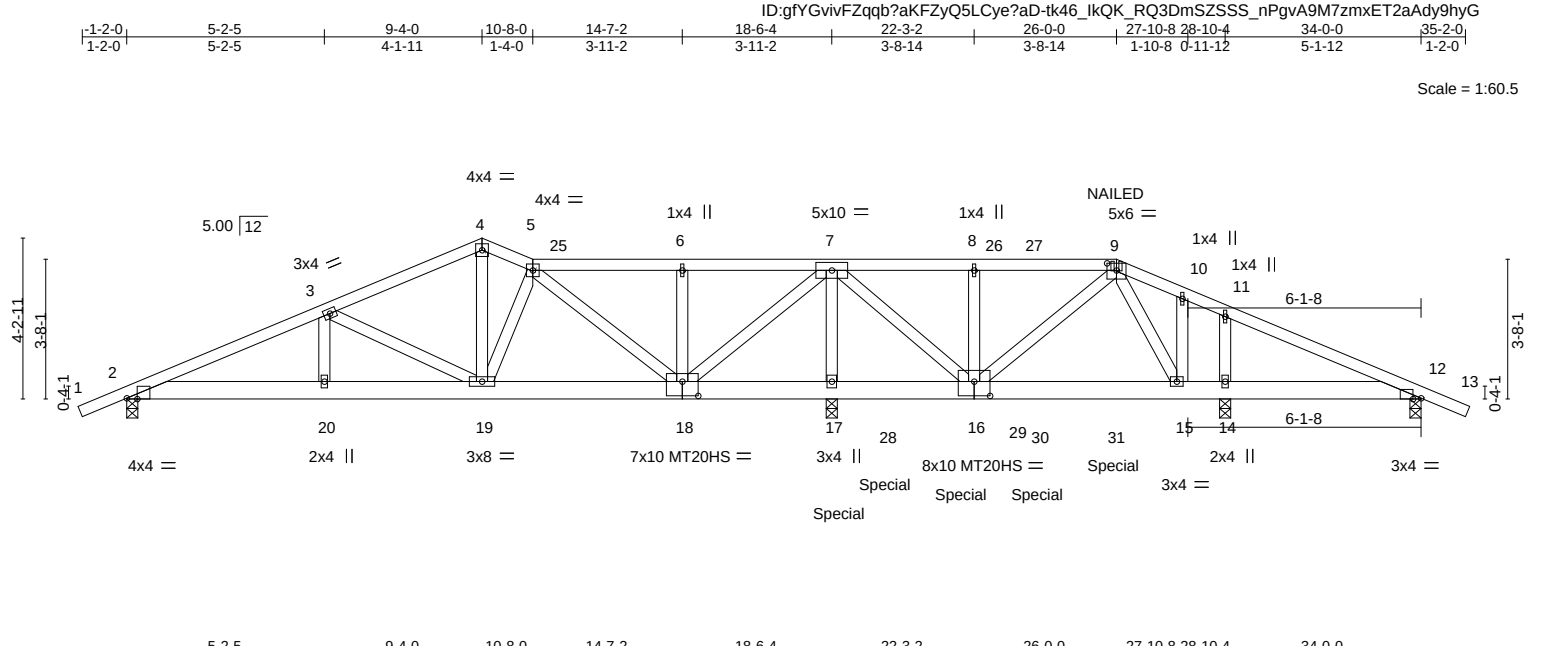

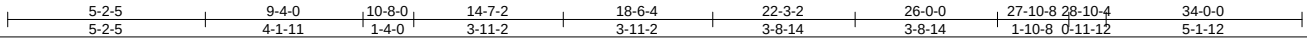

Plate Offsets (X,Y)-- [2:0-3-5,Edge], [9:0-3-0,0-2-4], [12:0-2-9,Edge], [16:0-5-0,0-4-8], [18:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.04	15-16	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.12	15-16	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.05	15-16	>999	240	Weight: 160 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*
7-16: 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-18,16-17.

REACTIONS. All bearings 0-3-8 except (jt=length) 17=0-4-14 (input: 0-3-8 + Two SBP4 USP).
(lb) - Max Horz 2=75(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-173(LC 27), 17=-410(LC 8), 14=-180(LC 8), 12=-101(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 2=722(LC 13), 17=3093(LC 1), 14=1290(LC 20), 12=515(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1227/292, 3-4=-738/274, 4-5=-696/282, 5-6=-212/354, 6-7=-212/354, 7-8=-578/282, 8-9=-578/282, 9-10=-858/253, 10-11=-1051/243, 11-12=-932/255
BOT CHORD 2-20=-195/1146, 19-20=-195/1146, 18-19=-190/673, 17-18=-1081/191, 16-17=-1081/191, 15-16=-158/750, 14-15=-205/824, 12-14=-205/824
WEBS 3-19=-550/85, 4-19=-150/359, 5-18=-766/84, 6-18=-278/89, 7-18=-100/1205, 7-17=-2441/336, 7-16=-292/2098, 9-16=-295/20, 11-14=-588/137, 10-15=-65/426

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=34ft; 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 2, 180 lb uplift at joint 14 and 101 lb uplift at joint 12.
8) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17. 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) "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) 326 lb down and 74 lb up at 18-8-12, 319 lb down and 70 lb up at 19-11-4, 319 lb down and 70 lb up at 21-11-4, 319 lb down and 70 lb up at 23-11-4, and 319 lb down and 70 lb up at 25-11-4, and 777 lb down and 137 lb up at 27-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

EXPIRES: 12/31/2024
December 12,2022

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400 Sunrise Avenue, Suite 270
Roseville, CA 95661

NOTES-

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: 1-4=-68, 4-5=-68, 5-9=-68, 9-13=-68, 2-12=-20
   Concentrated Loads (lb)
   Vert: 9=-19(F) 17=-326(F) 15=-777 28=-319(F) 29=-319(F) 30=-319(F) 31=-319(F)

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A7GC	Hip Girder	1	2	R73871130
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:24 2022 Page 1
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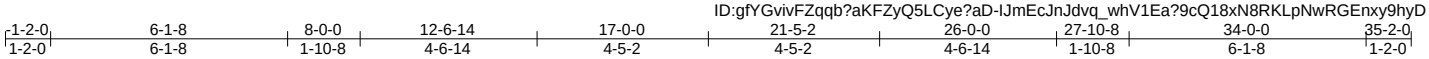

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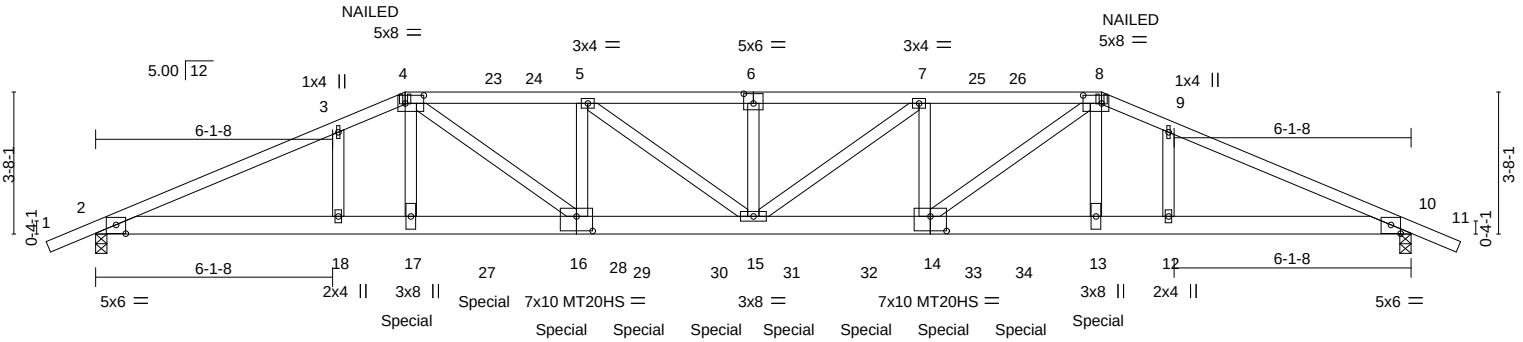

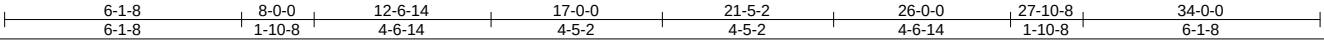

Plate Offsets (X,Y)-- [2:0-3-0,0-2-11], [4:0-5-12,0-2-8], [6:0-3-0,0-3-0], [8:0-5-12,0-2-8], [10:0-3-0,0-2-11], [14:0-5-0,0-4-8], [16:0-5-0,0-4-8]

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	0.54	Vert(LL)	-0.24	15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.66	15	>622	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.27	15	>999	240	Weight: 300 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E *Except* 4-6,6-8: 2x4 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 HF/SPF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-66(LC 25)
Max Uplift 2=-604(LC 8), 10=-605(LC 8)
Max Grav 2=3970(LC 1), 10=3970(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-9200/1355, 3-4=-9128/1397, 4-5=-10420/1613, 5-6=-11283/1748, 6-7=-11283/1748, 7-8=-10420/1613, 8-9=-9129/1398, 9-10=-9200/1355
BOT CHORD 2-18=-1166/8435, 17-18=-1166/8435, 16-17=-1178/8513, 15-16=-1489/10460, 14-15=-1489/10460, 13-14=-1178/8513, 12-13=-1166/8436, 10-12=-1166/8436
WEBS 4-17=-262/1756, 4-16=-377/2495, 5-16=-919/186, 5-15=-158/1053, 6-15=-300/86, 7-15=-158/1053, 7-14=-919/186, 8-14=-377/2495, 8-13=-262/1756

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.
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=34ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 604 lb uplift at joint 2 and 605 lb uplift at joint 10.
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.

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Continued on page 2

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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 6-0-12, 319 lb down and 70 lb up at 8-0-12, 319 lb down and 70 lb up at 10-0-12, 319 lb down and 70 lb up at 12-0-12, 319 lb down and 70 lb up at 14-0-12, 319 lb down and 70 lb up at 16-0-12, 319 lb down and 70 lb up at 17-11-4, 319 lb down and 70 lb up at 19-11-4, 319 lb down and 70 lb up at 21-11-4, 319 lb down and 70 lb up at 23-11-4, and 319 lb down and 70 lb up at 25-11-4, and 777 lb down and 137 lb up at 27-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-68, 4-8=-68, 8-11=-68, 2-10=-20

Concentrated Loads (lb)

Vert: 4=-19(B) 8=-19(B) 17=-319(B) 13=-319(B) 18=-777 12=-777 27=-319(B) 28=-319(B) 29=-319(B) 30=-319(B) 31=-319(B) 32=-319(B) 33=-319(B) 34=-319(B)

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Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	A7GS	ROOF SPECIAL GIRDER	1	1	R73871131
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:26 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-Eht?1?oZ9W4i9_fQL?1dhr6XdBsWoE1gOllLrqy9hyB

5-2-5	9-4-0	10-8-0	14-7-2	18-6-4	22-3-2	26-0-0	27-10-8	28-10-4	34-0-0	35-2-0
5-2-5	4-1-11	1-4-0	3-11-2	3-11-2	3-8-14	3-8-14	1-10-8	0-11-12	5-1-12	1-2-0

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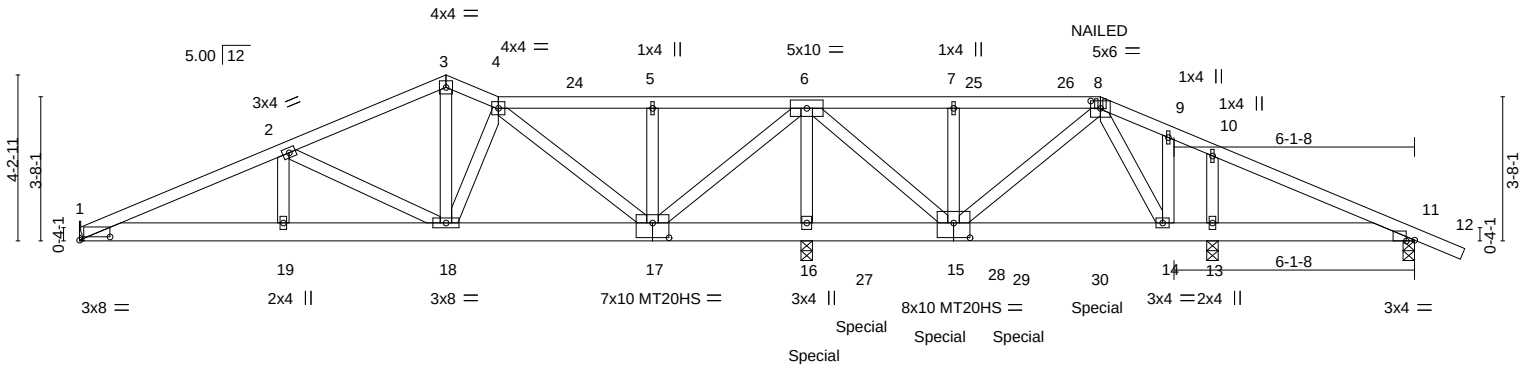

5-2-5	9-4-0	10-8-0	14-7-2	18-6-4	22-3-2	26-0-0	27-10-8	28-10-4	34-0-0
5-2-5	4-1-11	1-4-0	3-11-2	3-11-2	3-8-14	3-8-14	1-10-8	0-11-12	5-1-12

Plate Offsets (X,Y)-- [1:0-9-5,0-1-0], [8:0-3-0,0-2-4], [11:0-2-9,Edge], [15:0-5-0,0-4-8], [17:0-5-0,0-4-8]

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	0.34	Vert(LL)	-0.04	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.12	14-15	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.05	14-15	>999	240	Weight: 158 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*
6-15: 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-17,15-16.

REACTIONS. All bearings 0-3-8 except (jt=length) 16=0-4-13 (input: 0-3-8 + Two SBP4 USP), 1=Mechanical.
(lb) - Max Horz 1=-75(LC 25)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-126(LC 27), 16=-413(LC 8), 13=-180(LC 8), 11=-101(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 1=646(LC 13), 16=3087(LC 1), 13=1292(LC 20), 11=516(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1241/305, 2-3=-747/277, 3-4=-705/285, 4-5=-226/356, 5-6=-226/356, 6-7=-587/271, 7-8=-587/271, 8-9=-861/248, 9-10=-1055/238, 10-11=-936/250
BOT CHORD 1-19=-208/1159, 18-19=-208/1159, 17-18=-193/685, 16-17=-1065/194, 15-16=-1065/194, 14-15=-153/754, 13-14=-201/828, 11-13=-201/828
WEBS 2-18=-559/97, 3-18=-152/365, 4-17=-762/87, 5-17=-278/89, 6-17=-104/1202, 6-16=-2435/339, 6-15=-293/2092, 8-15=-288/22, 10-13=-588/137, 9-14=-65/426

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=34ft; 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) 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 126 lb uplift at joint 1, 180 lb uplift at joint 13 and 101 lb uplift at joint 11.
9) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16. 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.

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Continued on page 2

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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 326 lb down and 74 lb up at 18-8-12, 319 lb down and 70 lb up at 19-11-4, 319 lb down and 70 lb up at 21-11-4, 319 lb down and 70 lb up at 23-11-4, and 319 lb down and 70 lb up at 25-11-4, and 777 lb down and 137 lb up at 27-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) 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, 4-8=-68, 8-12=-68, 1-11=-20
   Concentrated Loads (lb)
   Vert: 8=-19(F) 16=-326(F) 14=-777 27=-319(F) 28=-319(F) 29=-319(F) 30=-319(F)

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Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	CG1	DIAGONAL HIP GIRDER	1	1	R73871132
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:28 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-A4?IShqph8KQOIooTQ45mGBt1_b5GE9zr3ESwjy9hy9

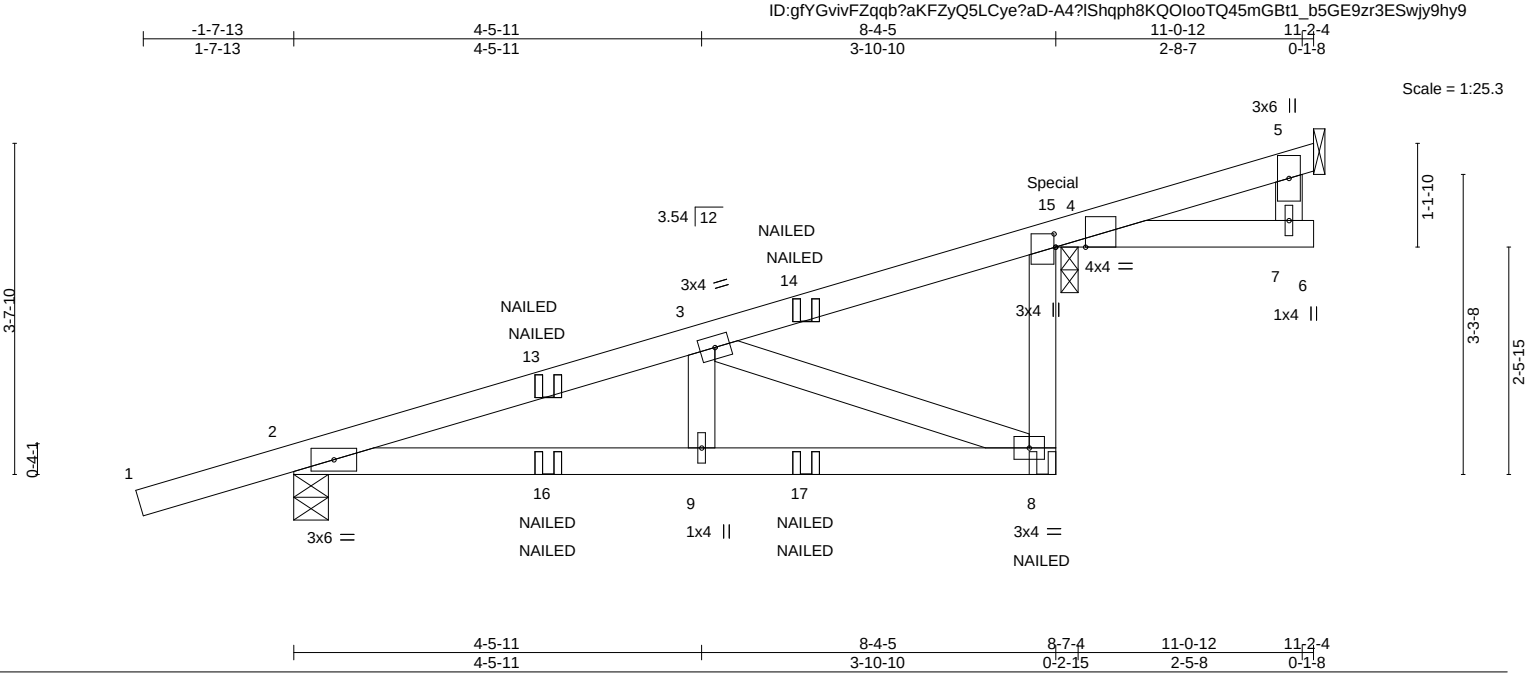

Plate Offsets (X,Y)-- [4:0-3-15,0-0-0], [4:0-1-12,0-0-3]

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	0.24	Vert(CT)	-0.14	8-9	>737	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 3-11-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-9, 5=Mechanical, 4=0-2-4
Max Horz 2=2182(LC 1), 4=-2182(LC 1)
Max Uplift 2=-163(LC 8)
Max Grav 2=1249(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=-3150/256, 3-4=-2420/247
BOT CHORD 2-9=-42/808, 8-9=-42/808
WEBS 3-8=-772/49, 4-8=0/372

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 163 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. 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
Concentrated Loads (lb)
Vert: 8=-48(F) 14=-19(F=-9, B=-9) 15=-68(F) 16=-3(F=-1, B=-1) 17=-50(F=-25, B=-25)

EXPIRES: 12/31/2024
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Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	CG2	DIAGONAL HIP GIRDER	1	1	R73871133
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:29 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-eGZ7f1qRSRSH0SN_18bKJTk5QOyT?kT64j_?S9y9hy8

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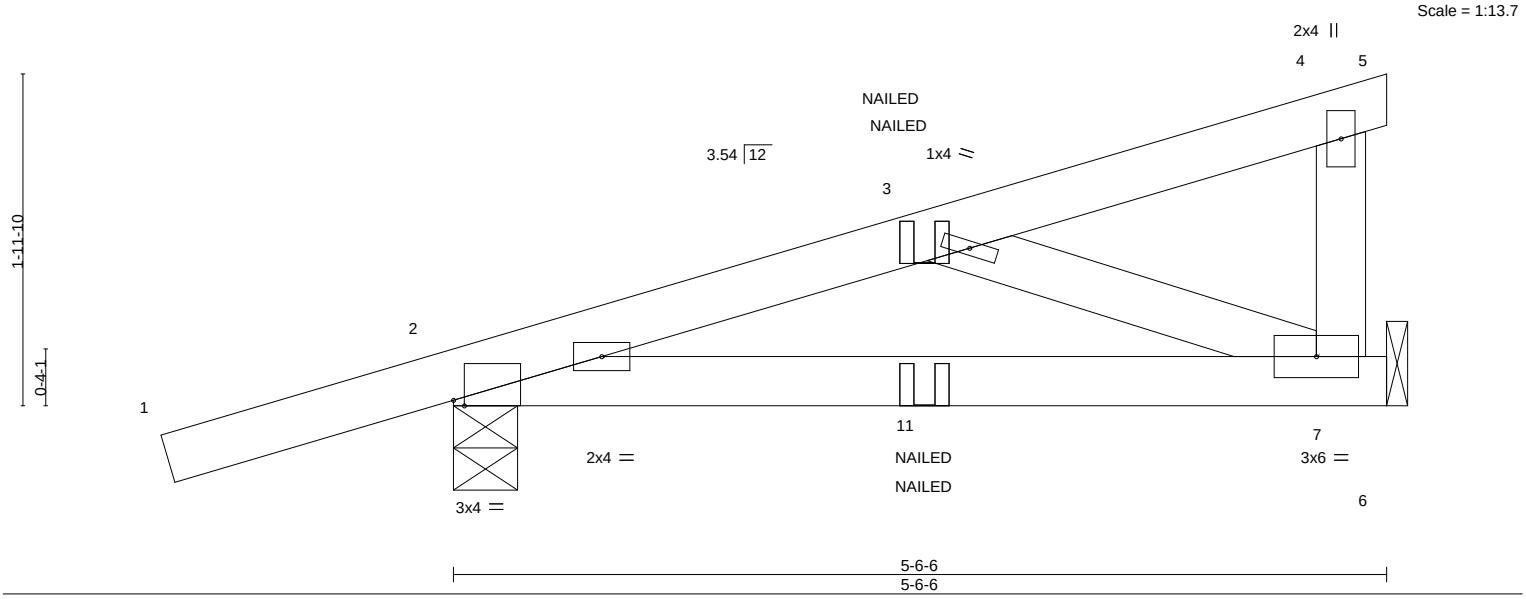

Plate Offsets (X,Y)-- [2:0-0-12,Edge]

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

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

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

REACTIONS. (size) 2=0-4-9, 7=Mechanical
Max Horz 2=71(LC 22)
Max Uplift 2=-91(LC 8), 7=-13(LC 8)
Max Grav 2=403(LC 1), 7=249(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-351/30
BOT CHORD 2-7=-29/330
WEBS 3-7=-350/35

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 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, 6-8=-20
Concentrated Loads (lb)
Vert: 11=-3(F=-1, B=-1)

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

EXPIRES: 12/31/2024
December 12,2022

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Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	CG3	DIAGONAL HIP GIRDER	2	1	R73871134
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:30 2022 Page 1
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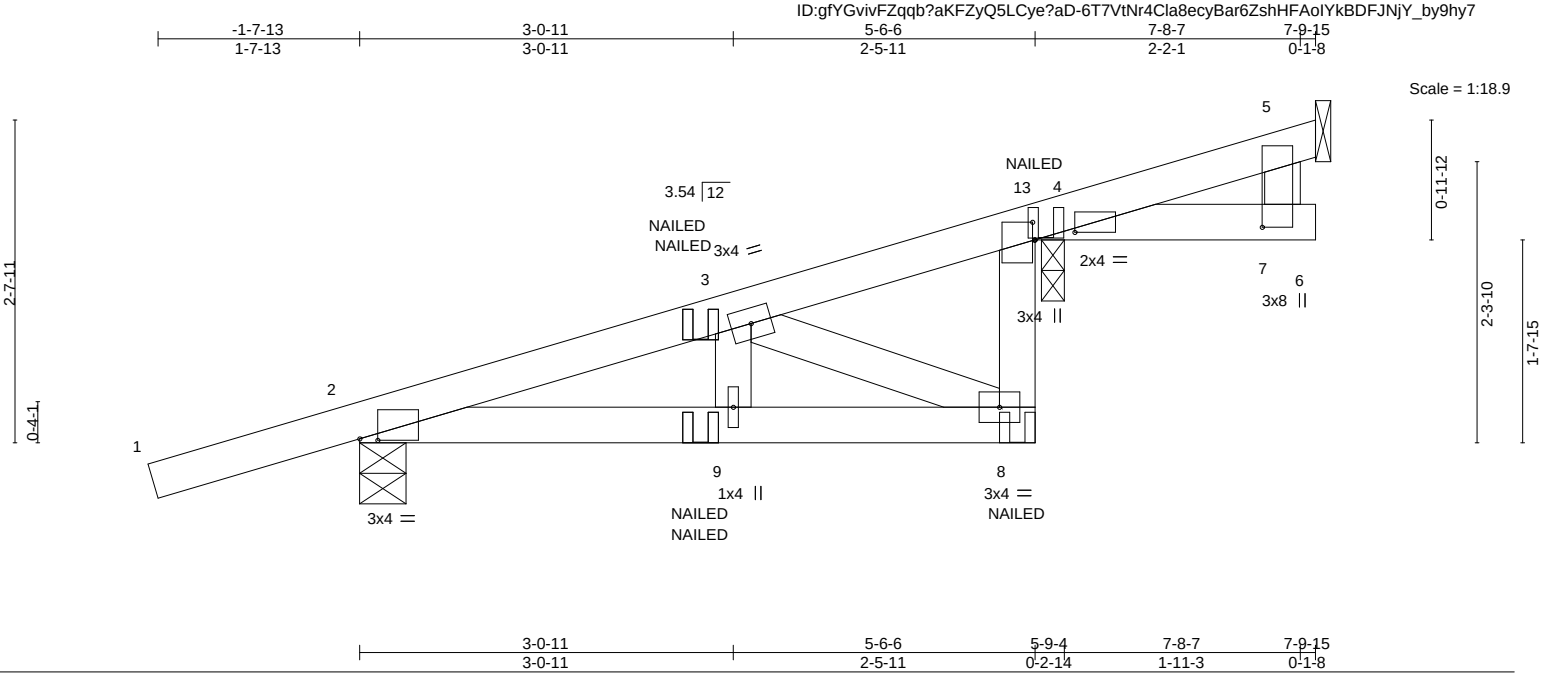

Plate Offsets (X,Y)-- [2:0-1-12,0-0-2], [4:0-1-12,0-0-3], [4:0-3-15,0-0-12], [7:0-1-4,1-10-6]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plate Grip DOL 1.25	TC 0.17	Vert(LL) -0.02 8 >999 360	MT20 185/144
TCDL 18.0		Lumber DOL 1.25	BC 0.11	Vert(CT) -0.05 8-9 >999 240	
BCLL 0.0	*	Rep Stress Incr NO	WB 0.12	Horz(CT) -0.01 5 n/a n/a	
BCDL 10.0		Code IRC2018/TPI2014	Matrix-MP	Wind(LL) 0.01 8 >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 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=1138(LC 1), 4=-1138(LC 1)
Max Uplift 2=-125(LC 8)
Max Grav 2=785(LC 1), 5=99(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1643/114, 3-4=-1294/123
BOT CHORD 2-9=-11/418, 8-9=-11/418
WEBS 3-8=-379/15

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 125 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) 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
Concentrated Loads (lb)
Vert: 9=-3(F=-1, B=-1) 8=-25(F) 13=-9(F)

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	CJ1	Jack-Open	2	1	R73871135
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:31 2022 Page 1
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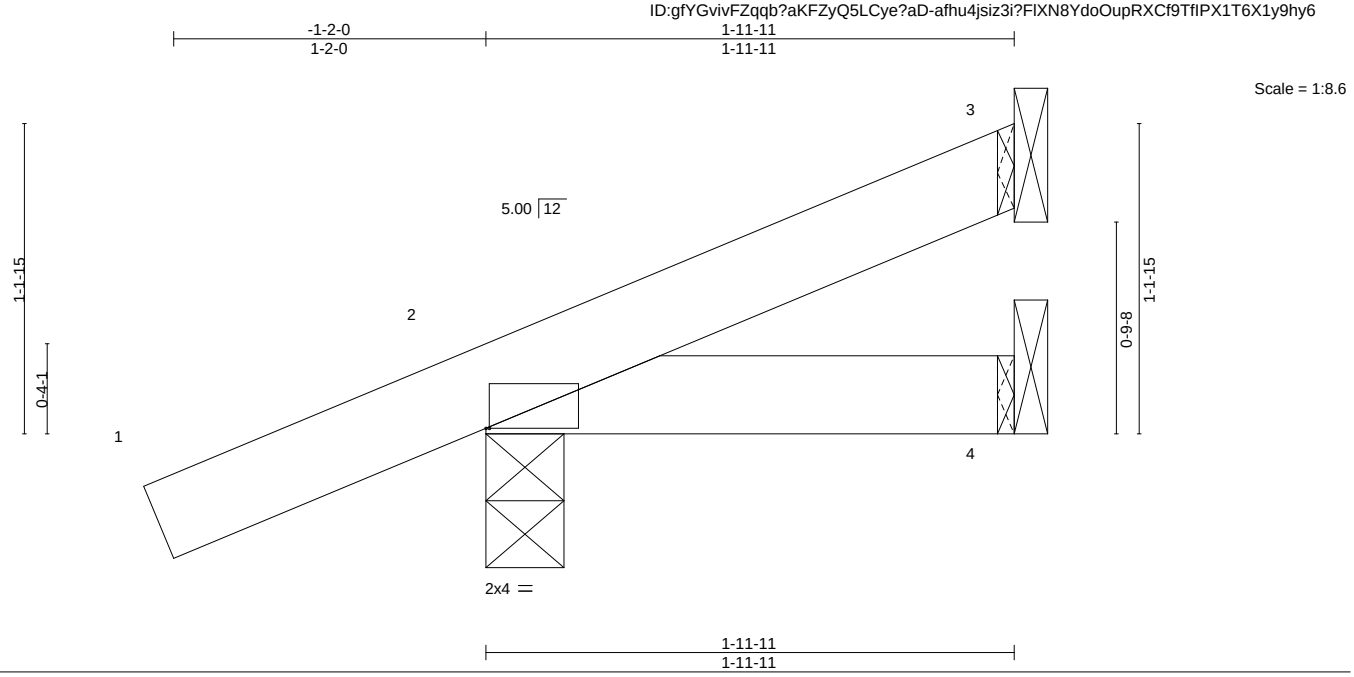

Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

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.

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

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	CJ1A	Jack-Open	1	1	R73871136
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:32 2022 Page 1
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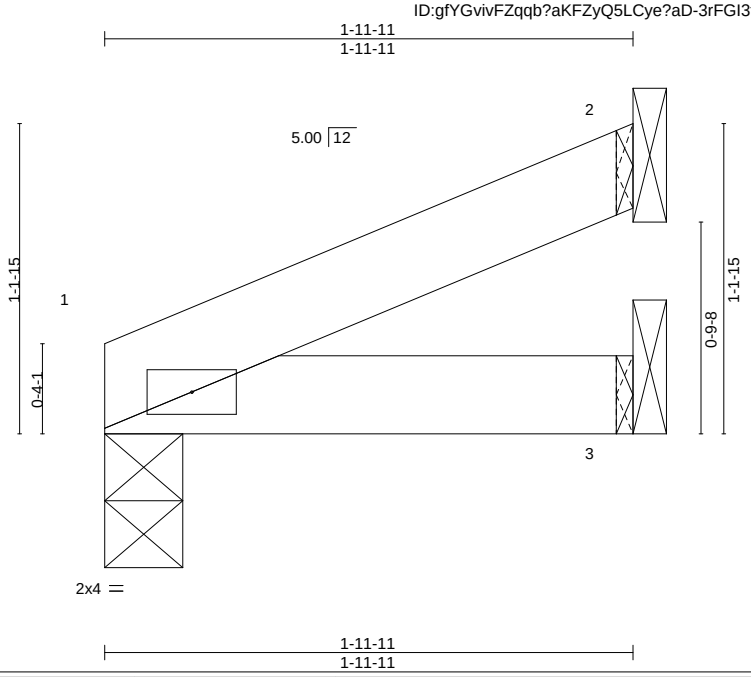

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	-0.00	6	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	CJ2	Jack-Open	2	1	R73871137
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:33 2022 Page 1
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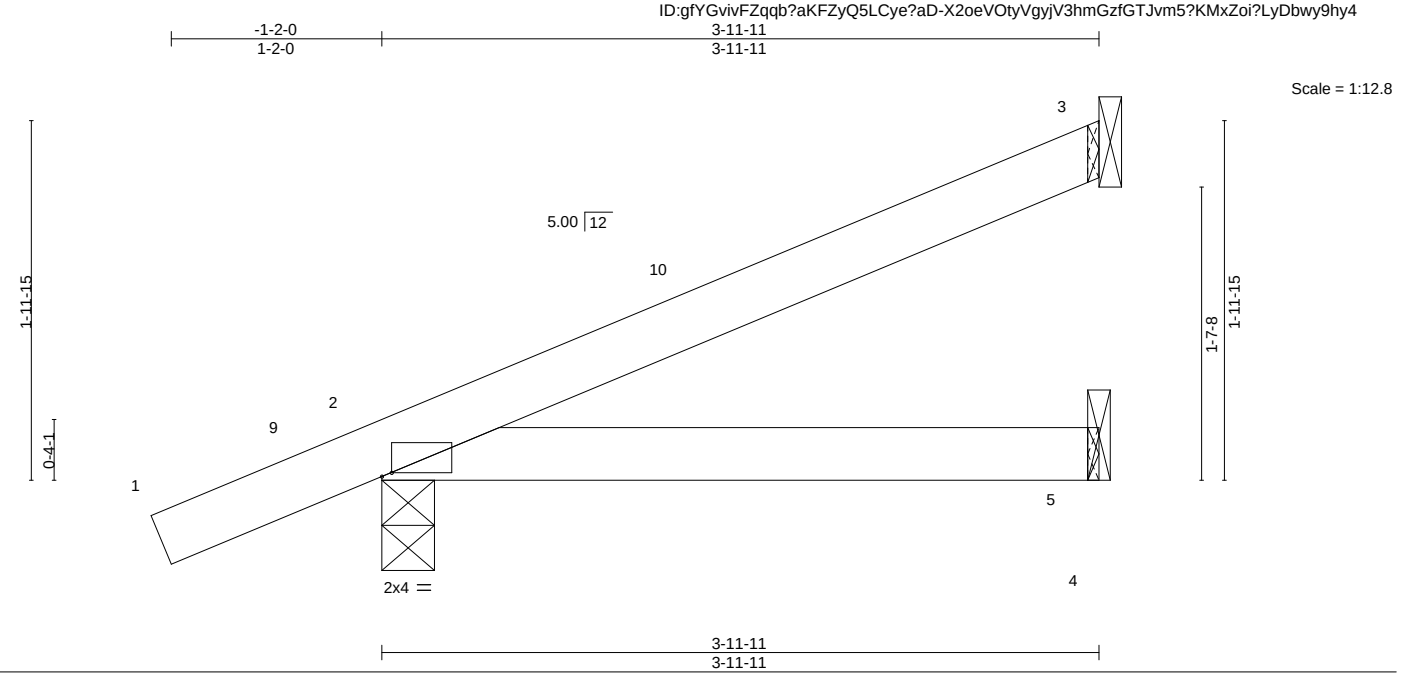

Plate Offsets (X,Y)-- [2:0-0-10,Edge]

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	0.13	Vert(LL)	-0.01	5-8	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.02	5-8	>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	5-8	>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, 5=Mechanical
Max Horz 2=77(LC 12)
Max Uplift 3=-33(LC 12), 2=-58(LC 12)
Max Grav 3=108(LC 1), 2=267(LC 1), 5=79(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 and 58 lb uplift at joint 2.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	CJ2A	Jack-Open	1	1	R73871138
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:34 2022 Page 1

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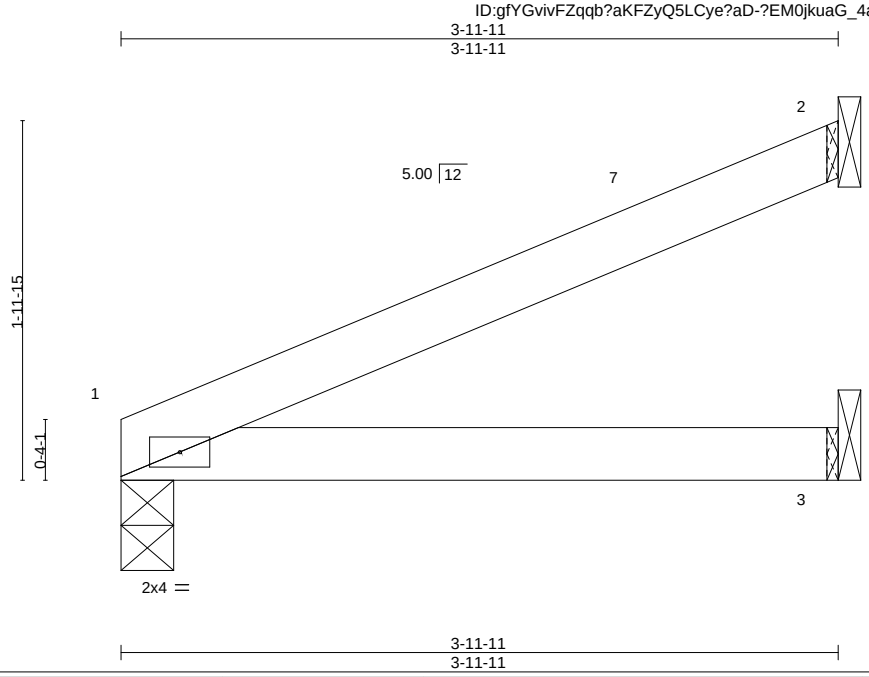

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	3-6	>999	360	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.03	3-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	CJ3	Jack-Open	1	1	R73871139
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:35 2022 Page 1
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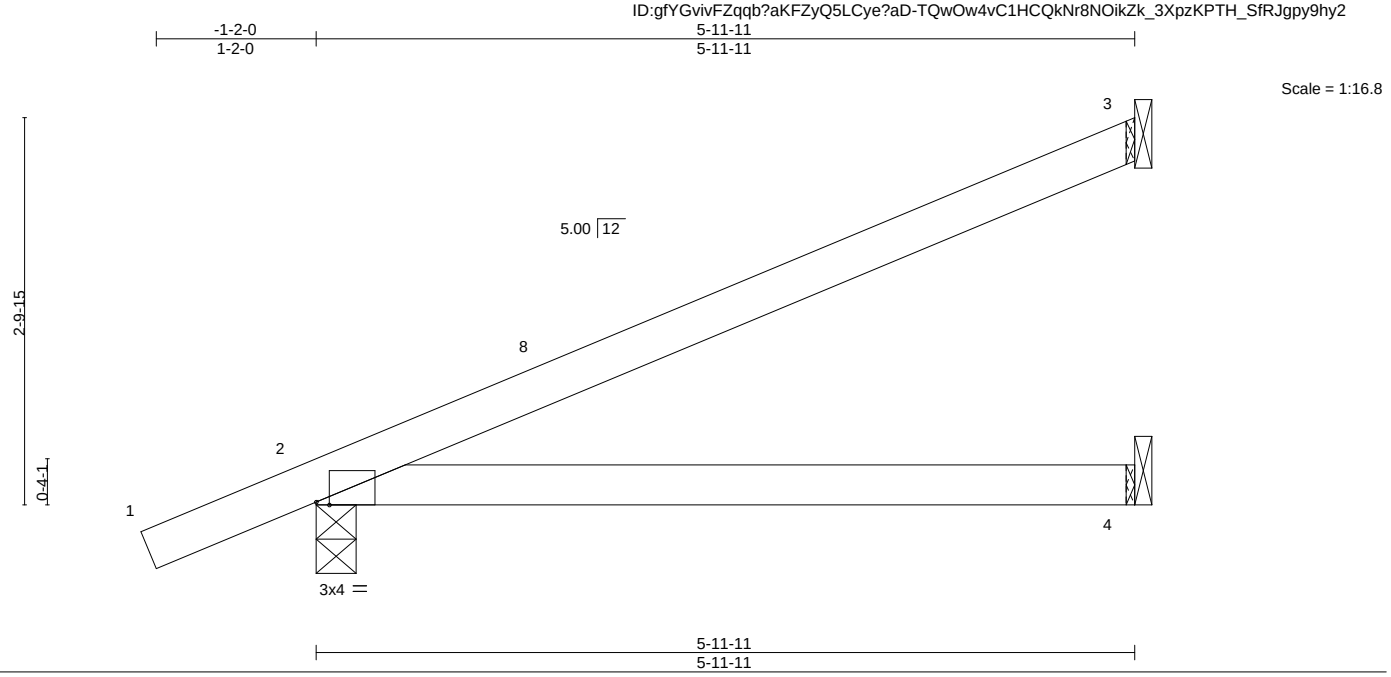

Plate Offsets (X,Y)-- [2:0-1-2,Edge]

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 and 57 lb uplift at joint 2.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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
December 12,2022

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

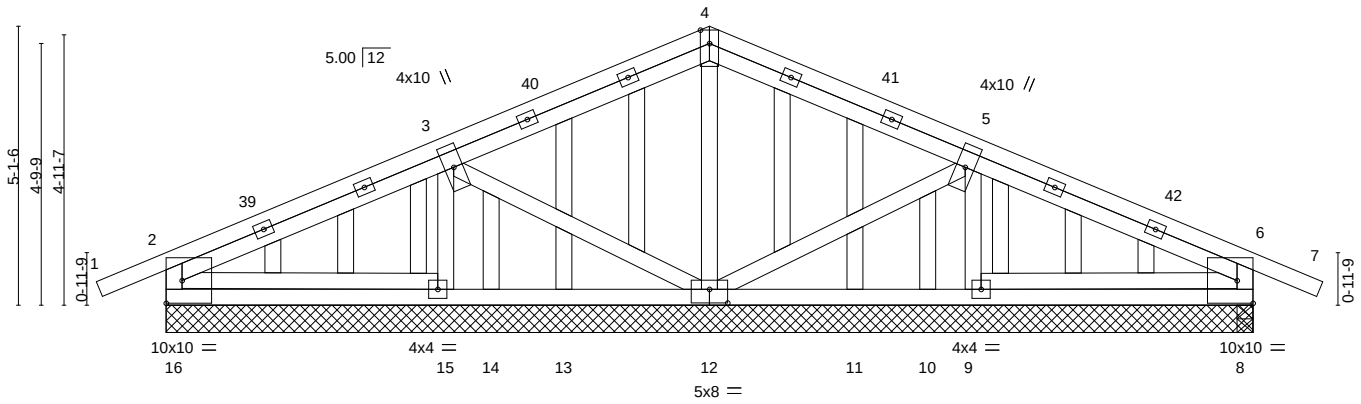
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	D1E	GABLE	1	1	R73871140
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:38 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-t?cXY6x5KCa?bqZj2XFRANcaV00scoZR8cfzG7y9hy?

-1-2-0 | 5-1-8 | 9-11-8 | 14-9-7 | 19-11-0 | 21-1-0
1-2-0 | 5-1-8 | 4-10-0 | 4-10-0 | 5-1-9 | 1-2-0

Scale = 1:42.2

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



5-1-8 | 9-11-8 | 14-9-7 | 19-11-0
5-1-8 | 4-10-0 | 4-10-0 | 5-1-9

Plate Offsets (X,Y)-- [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	0.34	Vert(LL)	-0.01	8-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.03	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	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: 135 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 19-11-0.
(lb) - Max Horz 16=-87(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 12 except 16=-253(LC 35), 15=-140(LC 35), 9=-140(LC 36), 8=-252(LC 36), 14=-117(LC 3), 10=-117(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 13, 11 except 16=363(LC 44), 15=455(LC 47), 12=380(LC 1), 9=455(LC 48), 8=366(LC 33), 8=319(LC 1)

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

TOP CHORD	2-3=-446/375, 3-4=-343/323, 4-5=-343/329, 5-6=-441/375, 2-16=-357/273, 6-8=-328/323
BOT CHORD	15-16=-194/302, 12-13=-180/263, 8-9=-167/267
WEBS	3-15=-404/298, 3-12=-261/266, 4-12=-271/73, 5-12=-261/254, 5-9=-408/291, 2-15=-283/273, 6-9=-277/260

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 9-11-8, Exterior(2R) 9-11-8 to 12-11-8, Interior(1) 12-11-8 to 21-1-11 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 except (jt=lb) 16=253, 15=140, 14=117.
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 19-11-0 for 50.2 plf.

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	D1G	Hip Girder	1	2	R73871141
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:40 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-qOkHzozLsqrjq8j6AxHvGohwjqcI4eJkcw84K0y9hxz

-1-2-0	6-1-8	8-0-0	11-11-0	13-9-8	19-11-0	21-1-0
1-2-0	6-1-8	1-10-8	3-11-0	1-10-8	6-1-8	1-2-0

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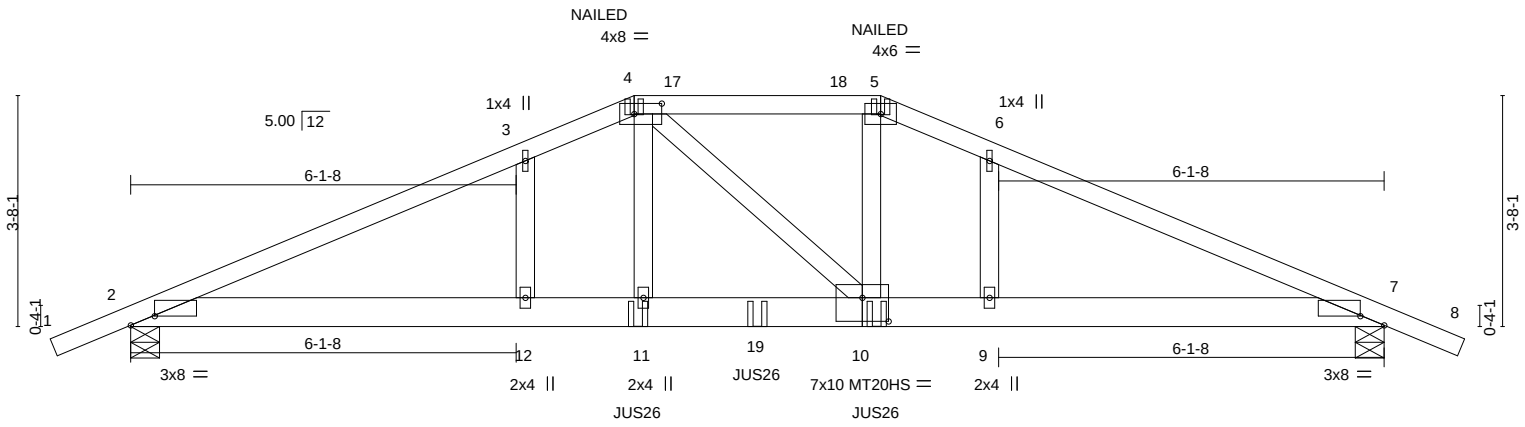

6-1-8	8-0-0	11-11-0	13-9-8	19-11-0
6-1-8	1-10-8	3-11-0	1-10-8	6-1-8

Plate Offsets (X,Y)-- [2:0-4-9,0-1-12], [4:0-5-4,0-2-0], [7:0-4-9,0-1-12], [10:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.09	9-16	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.26	9-16	>933	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.11	9-16	>999	240	Weight: 161 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, 7=0-5-8
Max Horz 2=55(LC 26)
Max Uplift 2=-331(LC 8), 7=-331(LC 8)
Max Grav 2=2236(LC 1), 7=2231(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4613/633, 3-4=-4522/673, 4-5=-4291/645, 5-6=-4481/666, 6-7=-4584/628
BOT CHORD 2-12=-500/4199, 11-12=-500/4199, 10-11=-509/4260, 9-10=-495/4170, 7-9=-495/4170
WEBS 4-11=-207/1444, 5-10=-203/1375

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 7. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 1-10-12 oc max. starting at 8-0-12 from the left end to 11-10-4 to connect truss(es) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 6-0-12, and 777 lb down and 137 lb up at 13-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

EXPIRES: 12/31/2024
December 12,2022

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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: 1-4=-68, 4-5=-68, 5-8=-68, 2-7=-20
   Concentrated Loads (lb)
   Vert: 4=-19(B) 5=-19(B) 10=-319(B) 11=-319(B) 12=-777 9=-777 19=-319(B)

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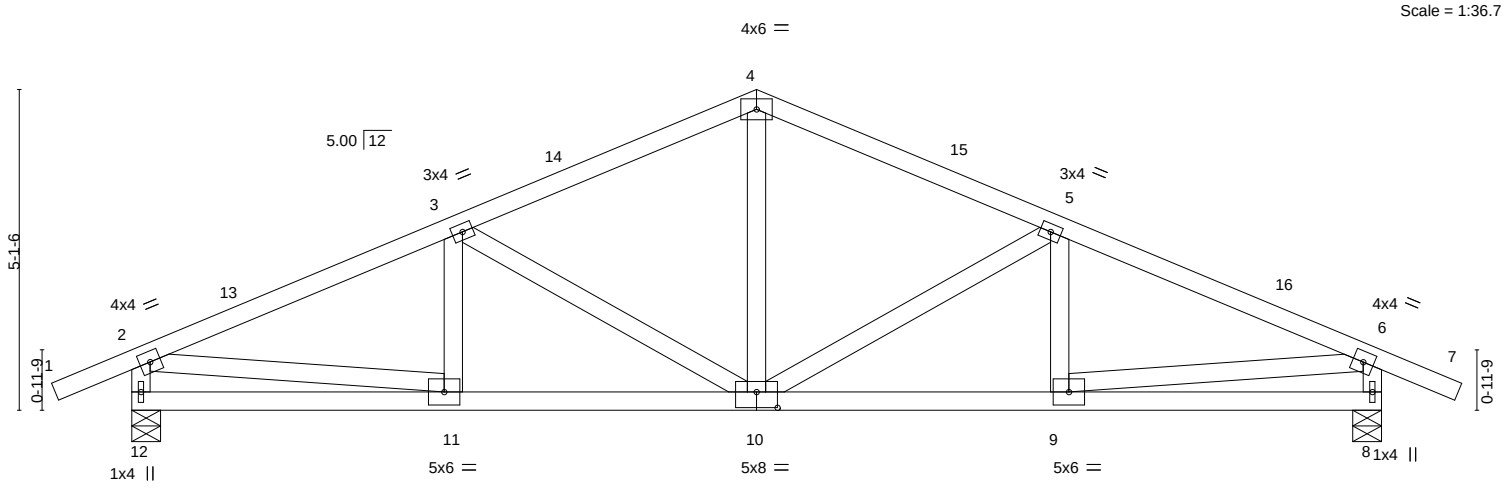
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	D2	Common	4	1	R73871142
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:41 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-IaHgB7_zd7zaSIIIkfp8o?E8lE15p1PtqauesSy9hxy

-1-2-0	5-1-8	9-11-8	14-9-7	19-11-0	21-1-0
1-2-0	5-1-8	4-10-0	4-10-0	5-1-9	1-2-0

Scale = 1:36.7



5-1-8	9-11-8	14-9-7	19-11-0
5-1-8	4-10-0	4-10-0	5-1-9

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	0.18	Vert(LL)	-0.03	10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.08	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.03	10	>999	240	Weight: 86 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=-66(LC 10)
Max Uplift 12=-129(LC 12), 8=-129(LC 12)
Max Grav 12=957(LC 1), 8=957(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1346/266, 3-4=-1037/262, 4-5=-1037/262, 5-6=-1347/266
BOT CHORD 10-11=-168/1189, 9-10=-180/1189
WEBS 3-10=-371/115, 4-10=-53/482, 5-10=-372/115, 2-12=-913/265, 2-11=-182/1201, 6-8=-913/265, 6-9=-182/1202

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

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

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	D2A	Hip	1	1	R73871143
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:43 2022 Page 1
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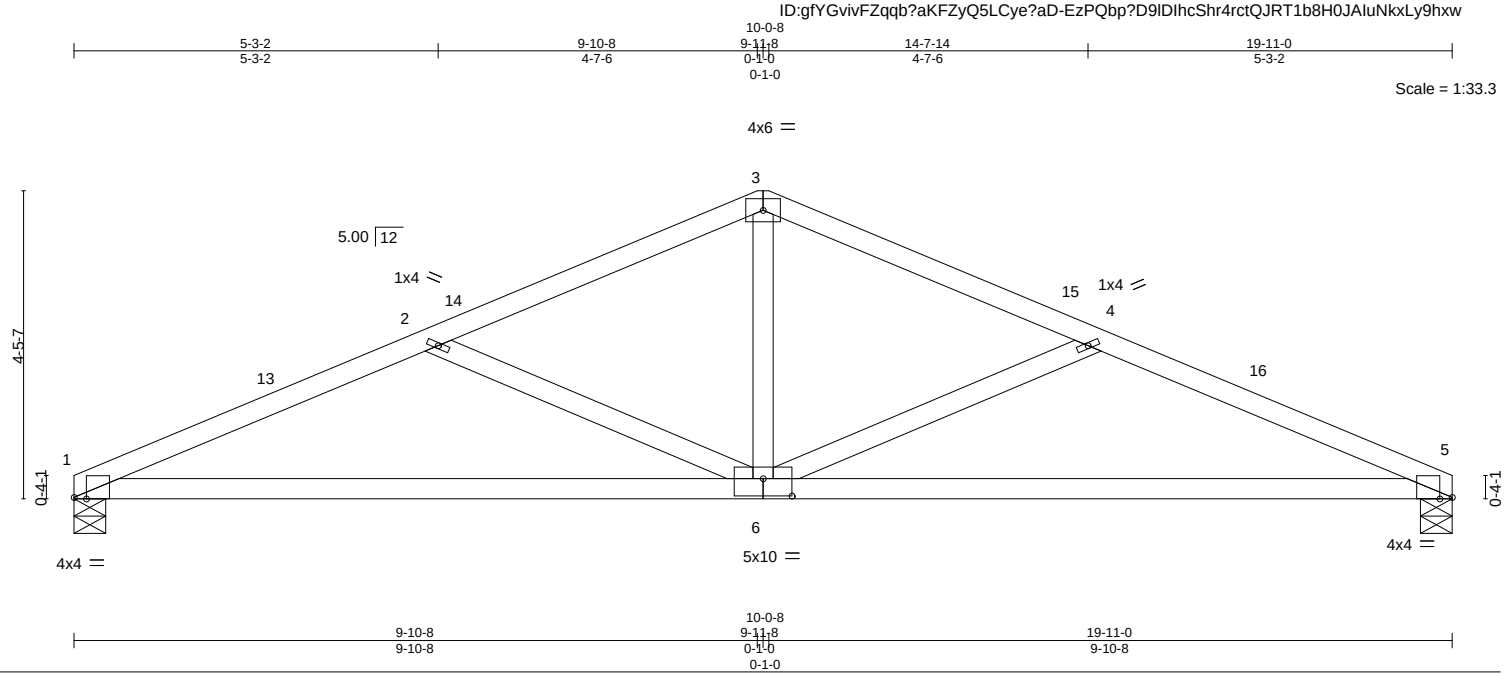

Plate Offsets (X,Y)-- [1:0-2-2,Edge], [5:0-2-2,Edge], [6:0-5-0,0-3-0]

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	0.33	Vert(LL)	-0.14	6-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.34	6-12	>699	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.05	6-12	>999	240	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

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

REACTIONS. (size) 1=0-5-8, 5=0-5-8
Max Horz 1=-59(LC 10)
Max Uplift 1=-80(LC 12), 5=-80(LC 12)
Max Grav 1=876(LC 1), 5=876(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1724/290, 2-3=-1276/203, 3-4=-1276/203, 4-5=-1724/290
BOT CHORD 1-6=-225/1570, 5-6=-219/1570
WEBS 2-6=-511/175, 4-6=-511/175, 3-6=-16/690

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 9-11-8, Exterior(2R) 9-11-8 to 14-2-7, Interior(1) 14-2-7 to 19-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 5. This connection is for uplift only and does not consider lateral forces.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
December 12,2022

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

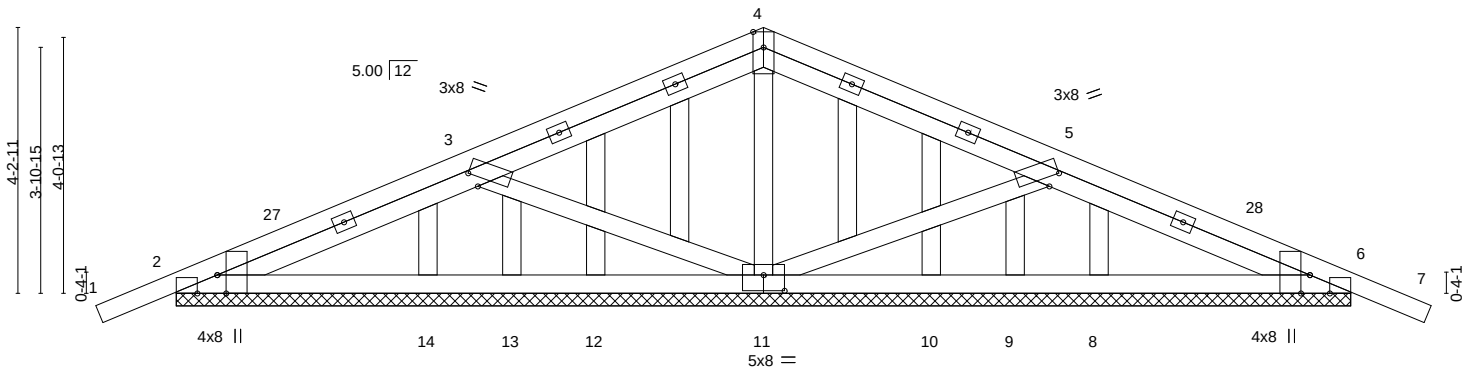
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G1E	GABLE	1	1	R73871144
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:45 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-ALXA0V1UgMT0xvb3zVt4zrOrZrQ2ly7TlCsr?Dy9hxu

-1-2-0	4-11-14	9-4-0	13-8-2	18-8-0	19-10-0
1-2-0	4-11-14	4-4-2	4-4-2	4-11-14	1-2-0

Scale = 1:36.6

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



9-4-0	18-8-0
9-4-0	9-4-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-3-13,Edge], [3:0-2-9,0-1-12], [5:0-2-9,0-1-12], [6:0-3-13,Edge], [6:0-3-8,Edge], [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	0.10	Vert(LL)	0.00	7	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 99 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
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 18-8-0.
(lb) - Max Horz 2=60(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) 13, 9 except 2=-290(LC 35), 6=-290(LC 36), 11=-200(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 12, 14, 10, 8 except 2=384(LC 32), 6=397(LC 33), 11=930(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-677/647, 3-4=-360/461, 4-5=-360/461, 5-6=-687/647
BOT CHORD 2-14=-522/617, 13-14=-308/424, 12-13=-229/349, 11-12=-165/281, 10-11=-165/255, 9-10=-230/323, 8-9=-308/398, 6-8=-522/591
WEBS 3-11=-472/310, 4-11=-534/233, 5-11=-472/310

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=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-2-11 to 1-9-5, Exterior(2N) 1-9-5 to 9-4-0, Corner(3R) 9-4-0 to 12-4-0, Exterior(2N) 12-4-0 to 19-10-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 9 except (jt=lb) 2=290, 6=290, 11=200.
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 18-8-0 for 53.6 plf.

EXPIRES: 12/31/2024
December 12,2022

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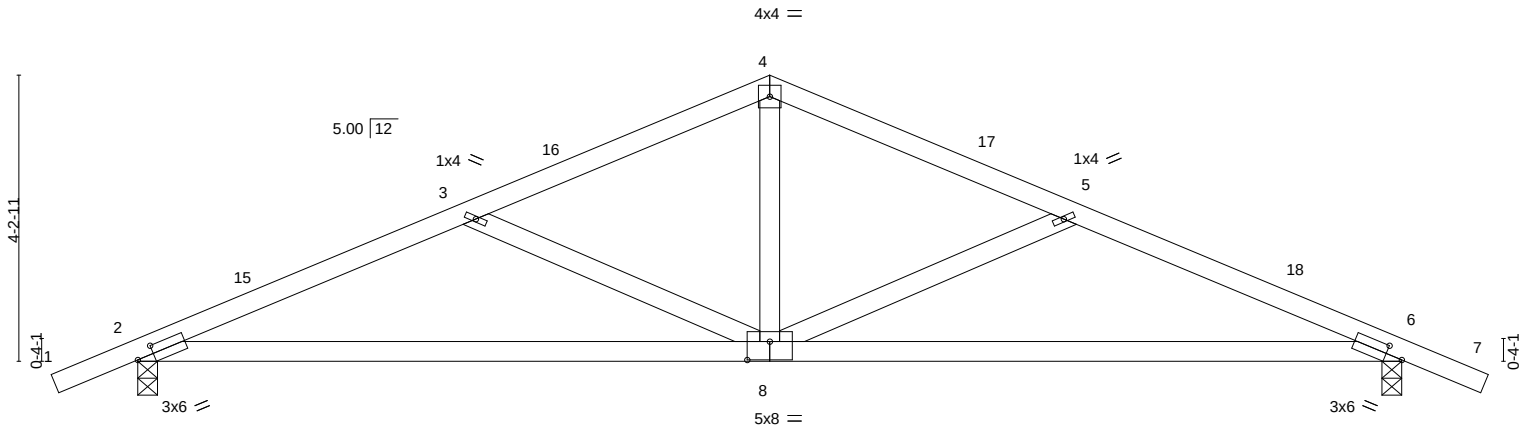
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G2	Common	4	1	R73871145
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:46 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-eY5ZEr26RgbtY3AGWCOJV3xyfFfAUMUc_sbPYgy9hxt

-1-2-0	4-11-14	9-4-0	13-8-2	18-8-0	19-10-0
1-2-0	4-11-14	4-4-2	4-4-2	4-11-14	1-2-0

Scale = 1:34.0



9-4-0	18-8-0
9-4-0	9-4-0

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

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	0.27	Vert(LL)	-0.11	8-11	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.26	8-11	>845	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.04	8-11	>999	240	Weight: 63 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, 6=0-3-8
Max Horz 2=-63(LC 10)
Max Uplift 2=-120(LC 12), 6=-120(LC 12)
Max Grav 2=904(LC 1), 6=904(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1580/371, 3-4=-1175/263, 4-5=-1175/263, 5-6=-1580/371
BOT CHORD 2-8=-260/1435, 6-8=-270/1435
WEBS 4-8=-42/642, 5-8=-462/199, 3-8=-462/199

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 9-4-0, Exterior(2R) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 19-10-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 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.

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

EXPIRES: 12/31/2024
December 12,2022

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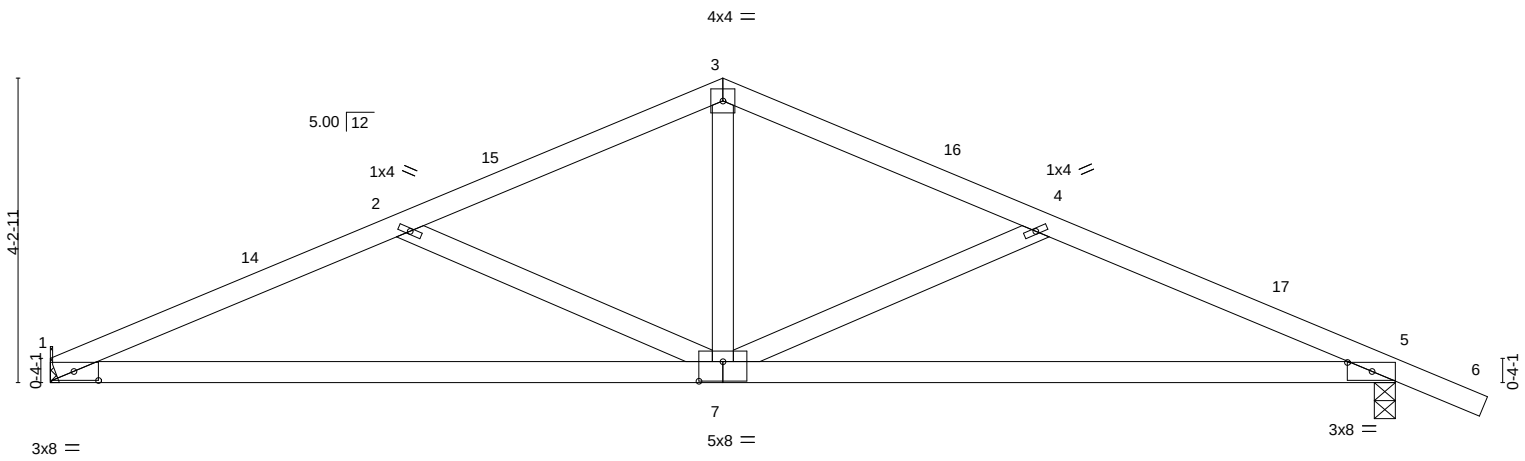
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G2A	COMMON	4	1	R73871146
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:48 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-bwCJfX3MzHraoNKeedRnaU0Ir2LZyGwvRA4VcYy9hxr

4-11-14	9-4-0	13-8-2	18-8-0	19-10-0
4-11-14	4-4-2	4-4-2	4-11-14	1-2-0

Scale: 3/8"=1'



9-4-0	18-8-0
9-4-0	9-4-0

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

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	0.29	Vert(LL)	-0.11	7-10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.27	7-10	>824	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.05	7-10	>999	240	Weight: 61 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=Mechanical, 5=0-3-8
Max Horz 1=-64(LC 10)
Max Uplift 1=-74(LC 12), 5=-122(LC 12)
Max Grav 1=819(LC 1), 5=907(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1599/385, 2-3=-1183/274, 3-4=-1183/266, 4-5=-1588/381
BOT CHORD 1-7=-273/1456, 5-7=-278/1442
WEBS 3-7=-53/647, 4-7=-462/199, 2-7=-477/205

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 9-4-0, Exterior(2R) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 19-10-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G3	ROOF SPECIAL	1	1	R73871147
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:49 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-37mhst4_kbzRPXvqCKy07hZOKSfFhdA2gqq38?y9hxq

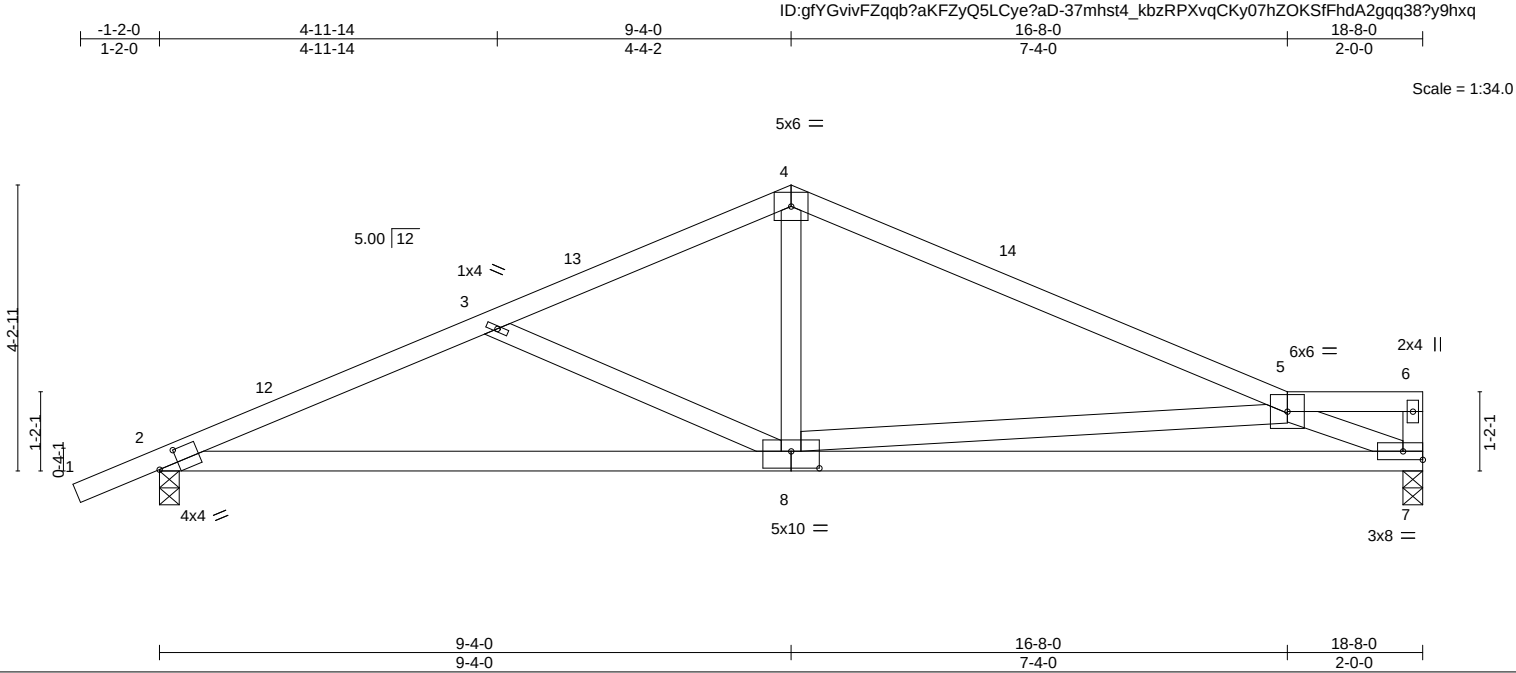

Plate Offsets (X,Y)-- [2:0-3-8,0-2-5], [8:0-5-0,0-3-0]

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	0.62	Vert(LL)	-0.13	7-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.30	7-8	>749	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.04	8-11	>999	240	Weight: 67 lb	FT = 20%

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

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

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=86(LC 11)
Max Uplift 7=-73(LC 12), 2=-121(LC 12)
Max Grav 7=812(LC 1), 2=901(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1557/364, 3-4=-1186/271, 4-5=-1227/257
BOT CHORD 2-8=-343/1412, 7-8=-439/1641
WEBS 3-8=-436/178, 4-8=0/557, 5-8=-634/295, 5-7=-1717/572

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 9-4-0, Exterior(2R) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 18-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 2. 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
December 12,2022

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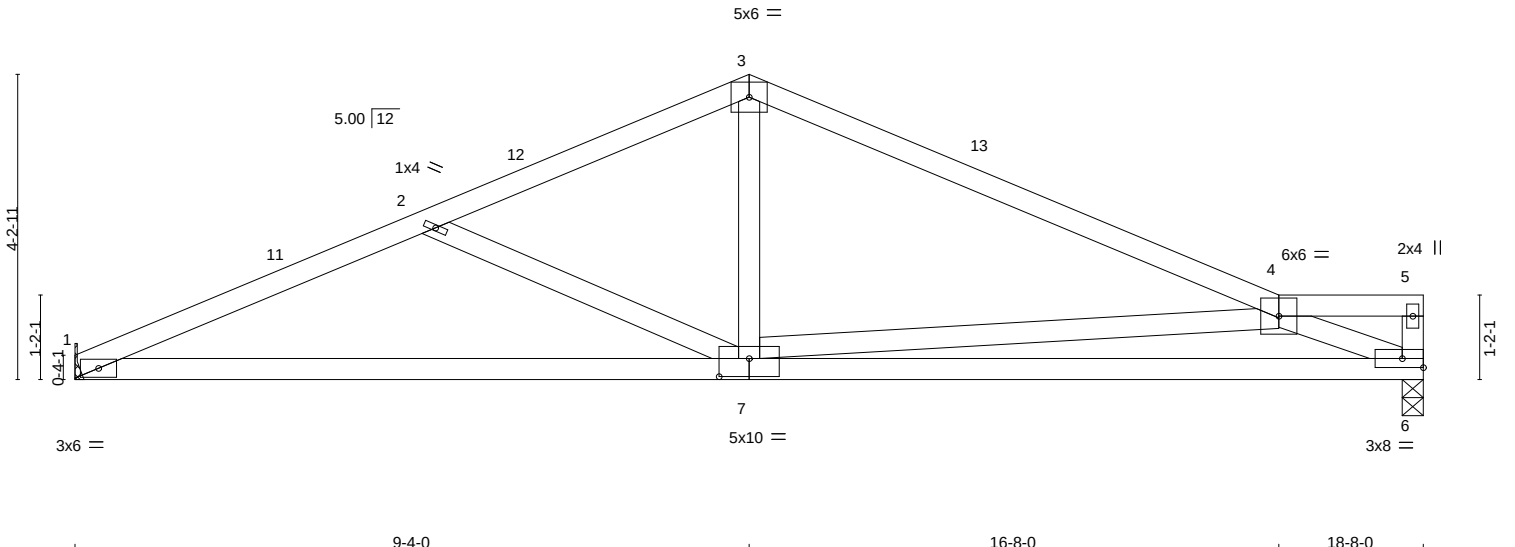
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G3A	ROOF SPECIAL	1	1	R73871148
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:50 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-XJK33C5cVu5I1gU1l2TFfv6Z7s?SQ4RCvUZchRy9hxp

4-11-14	9-4-0	16-8-0	18-8-0
4-11-14	4-4-2	7-4-0	2-0-0

Scale: 3/8"=1'



9-4-0	16-8-0	18-8-0
9-4-0	7-4-0	2-0-0

Plate Offsets (X,Y)-- [7:0-5-0,0-3-0]

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	0.62	Vert(LL)	-0.13	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.30	6-7	>752	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.05	7-10	>999	240	Weight: 65 lb	FT = 20%

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

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

REACTIONS. (size) 1=Mechanical, 6=0-3-8
Max Horz 1=77(LC 11)
Max Uplift 1=-75(LC 12), 6=-75(LC 12)
Max Grav 1=815(LC 1), 6=815(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1576/377, 2-3=-1195/281, 3-4=-1235/261
BOT CHORD 1-7=-351/1432, 6-7=-441/1647
WEBS 2-7=-450/184, 3-7=0/561, 4-7=-633/293, 4-6=-1725/582

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 9-4-0, Exterior(2R) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 18-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

EXPIRES: 12/31/2024
December 12,2022

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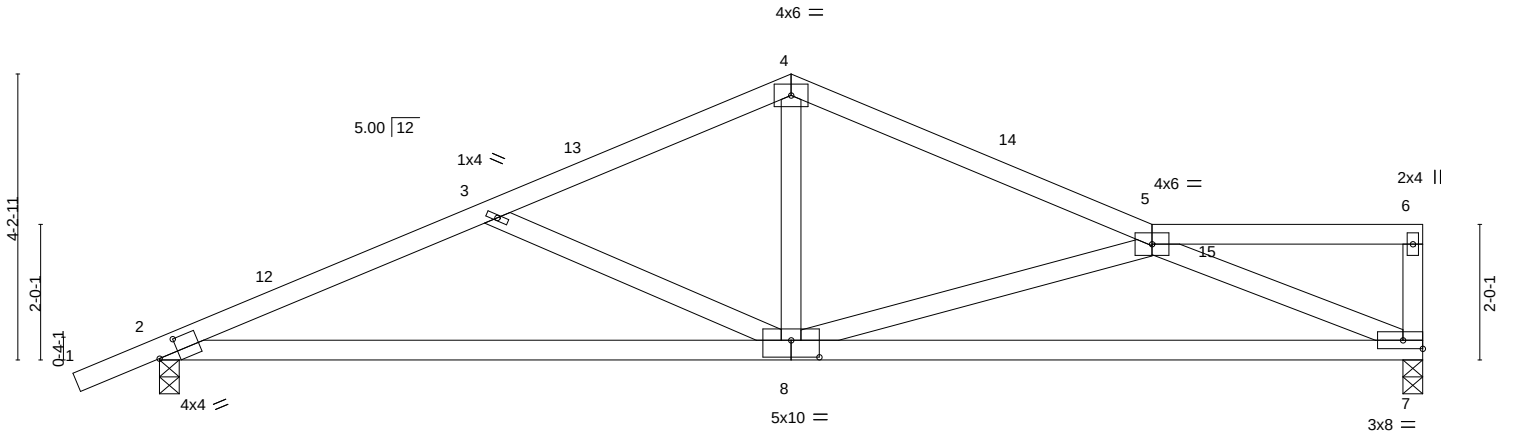
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G4	ROOF SPECIAL	1	1	R73871149
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:51 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-?VuSHY5FGCD9fq3DJl_UC6ej3GL19ZhL88J9Dty9hxo

-1-2-0	4-11-14	9-4-0	14-8-0	18-8-0
1-2-0	4-11-14	4-4-2	5-4-0	4-0-0

Scale = 1:34.0



9-4-0	18-8-0
9-4-0	9-4-0

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

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	0.67	Vert(LL)	-0.14	7-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.29	7-8	>755	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.04	8-11	>999	240	Weight: 68 lb	FT = 20%

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

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

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=106(LC 11)
Max Uplift 7=-74(LC 12), 2=-121(LC 12)
Max Grav 7=812(LC 1), 2=901(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1566/361, 3-4=-1171/262, 4-5=-1176/251
BOT CHORD 2-8=-391/1422, 7-8=-389/1438
WEBS 3-8=-453/195, 4-8=-20/595, 5-8=-450/221, 5-7=-1480/428

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 9-4-0, Exterior(2R) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 18-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=121.
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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G4S	ROOF SPECIAL	1	1	R73871150

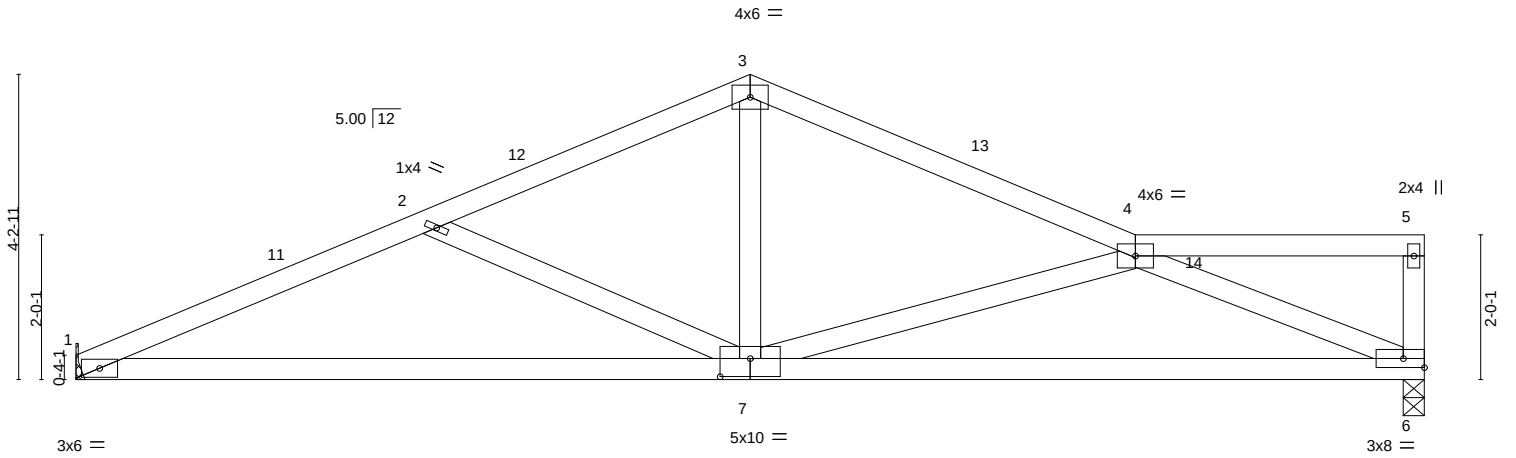
Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:53 2022 Page 1

ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-xu0CiE7VopTtu8DcRA0yHXk3b31TdT6ebSoGHmy9hxm

4-11-14	9-4-0	14-8-0	18-8-0
4-11-14	4-4-2	5-4-0	4-0-0

Scale: 3/8"=1'



9-4-0	18-8-0
9-4-0	9-4-0

Plate Offsets (X,Y)-- [7:0-5-0,0-3-0]

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	0.67	Vert(LL)	-0.14	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.29	6-7	>758	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.05	7-10	>999	240	Weight: 66 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 1=Mechanical, 6=0-3-8
Max Horz 1=98(LC 11)
Max Uplift 1=-74(LC 12), 6=-75(LC 12)
Max Grav 1=815(LC 1), 6=815(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1584/381, 2-3=-1179/272, 3-4=-1184/259
BOT CHORD 1-7=-399/1442, 6-7=-391/1445
WEBS 2-7=-468/201, 3-7=-30/599, 4-7=-450/221, 4-6=-1489/431

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 9-4-0, Exterior(2R) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 18-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
December 12,2022

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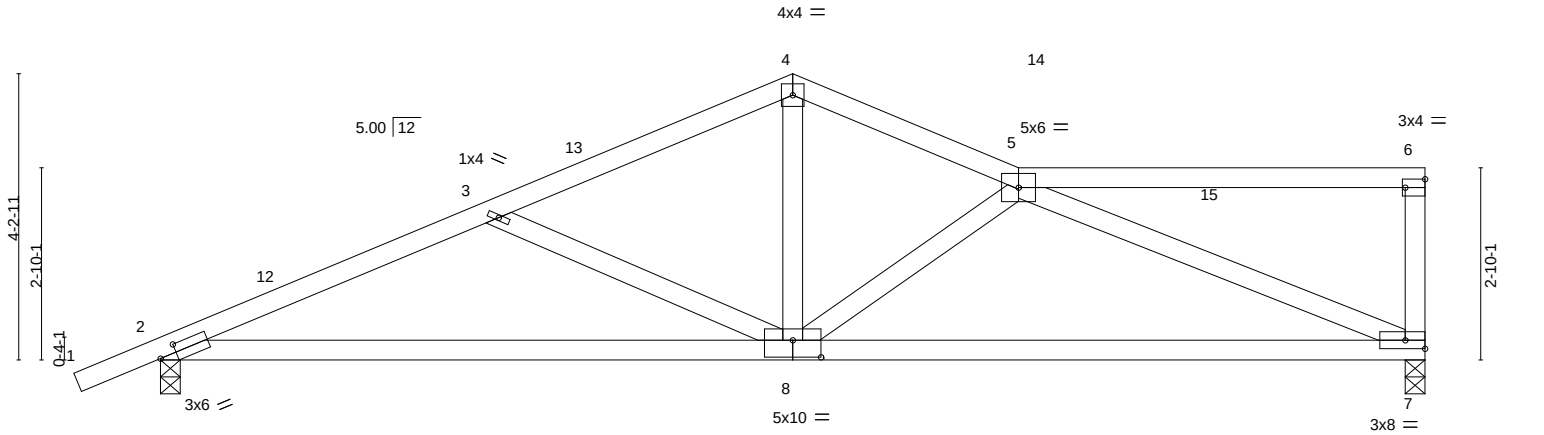
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G5	ROOF SPECIAL	1	1	R73871151
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:54 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-P4aava87Z7bkWIoo_uXBqlGDrTNqMvvnq6XqqCy9hxl

-1-2-0	4-11-14	9-4-0	12-8-0	18-8-0
1-2-0	4-11-14	4-4-2	3-4-0	6-0-0

Scale = 1:34.0



9-4-0	18-8-0
9-4-0	9-4-0

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

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	0.77	Vert(LL)	-0.14	7-8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.30	7-8	>748	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.04	8-11	>999	240	Weight: 69 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*
5-7: 2x4 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
Max Horz 2=127(LC 11)
Max Uplift 7=-88(LC 9), 2=-120(LC 12)
Max Grav 7=812(LC 1), 2=901(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1572/359, 3-4=-1161/255, 4-5=-1141/257
BOT CHORD 2-8=-431/1429, 7-8=-353/1289
WEBS 3-8=-465/207, 4-8=-67/642, 5-8=-365/182, 5-7=-1314/355

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 9-4-0, Exterior(2R) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 18-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=120.
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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	G5S	ROOF SPECIAL	1	1	R73871152

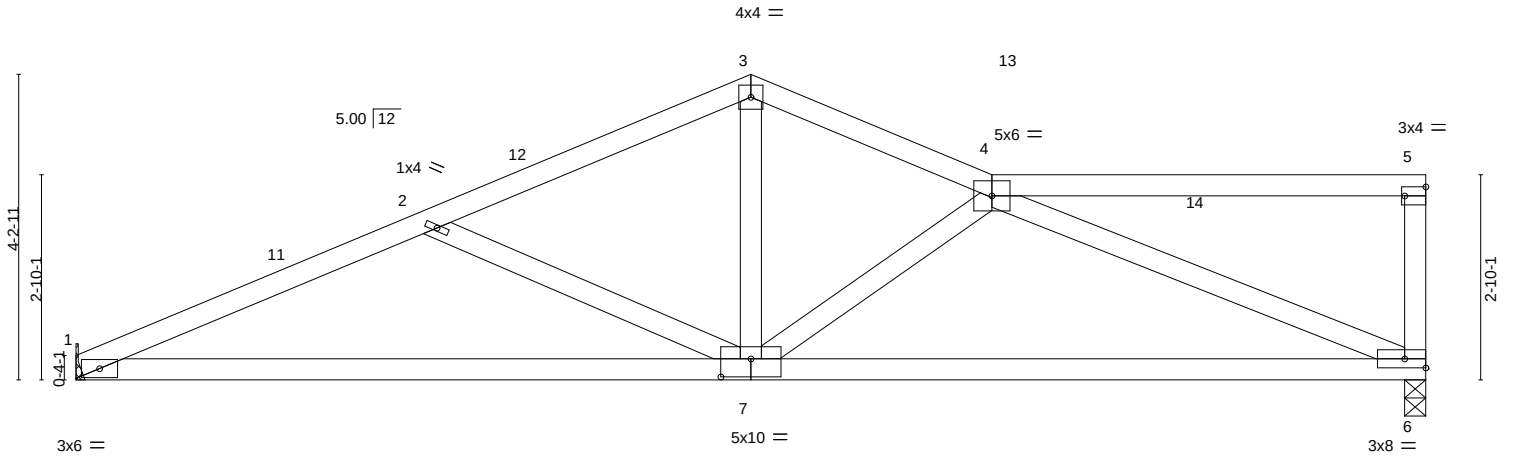
Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:56 2022 Page 1

ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-MThKKG9N5ksSlbxB6IafvAMZOH2DqpL4HQ0wu5y9hxj

4-11-14	9-4-0	12-8-0	18-8-0
4-11-14	4-4-2	3-4-0	6-0-0

Scale: 3/8"=1'



9-4-0	18-8-0
9-4-0	9-4-0

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

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	0.76	Vert(LL)	-0.14	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.30	6-7	>751	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.05	7-10	>999	240	Weight: 68 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*
4-6: 2x4 SPF 1650F 1.5E

BRACING-

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

REACTIONS. (size) 1=Mechanical, 6=0-3-8
Max Horz 1=118(LC 11)
Max Uplift 1=-74(LC 12), 6=-89(LC 9)
Max Grav 1=815(LC 1), 6=815(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1591/383, 2-3=-1169/265, 3-4=-1149/266
BOT CHORD 1-7=-439/1449, 6-7=-356/1296
WEBS 2-7=-479/213, 3-7=-78/647, 4-7=-365/182, 4-6=-1322/358

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 9-4-0, Exterior(2R) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 18-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
December 12,2022

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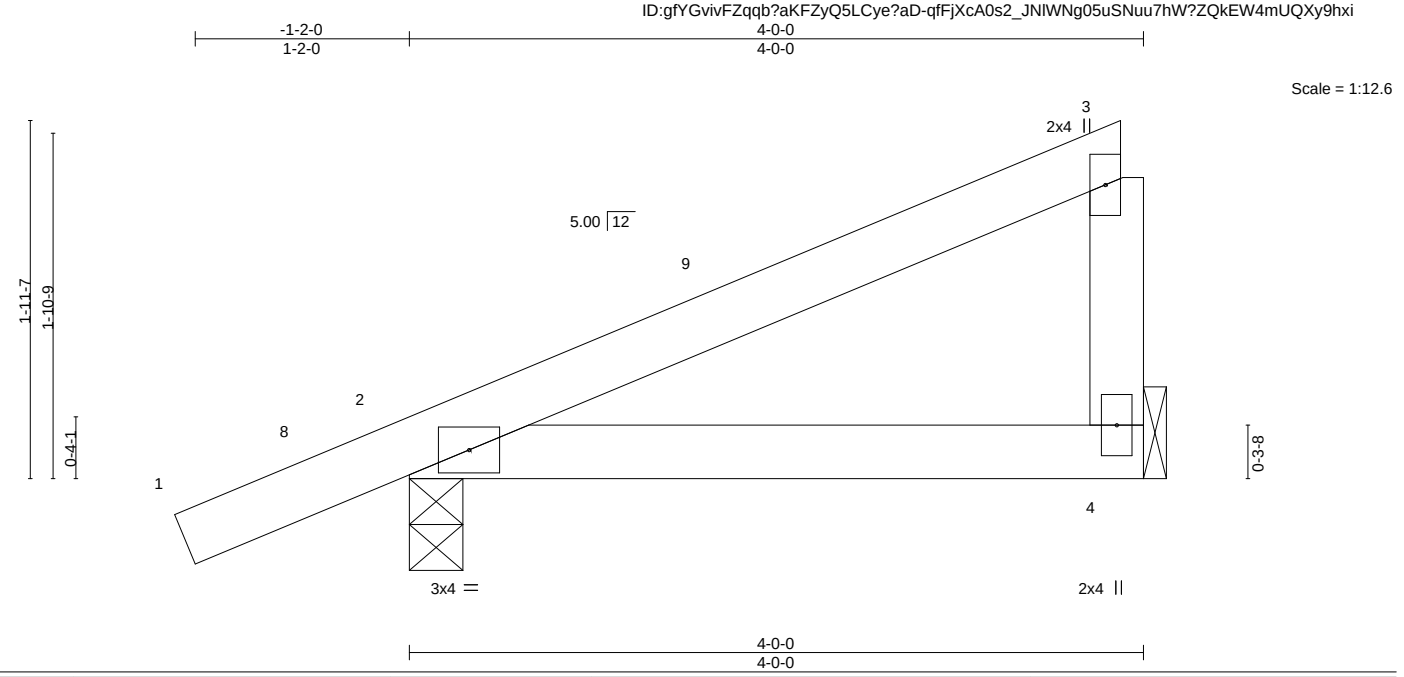
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	HJ4	Jack-Closed	6	1	R73871153
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:57 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-qfFjXcA0s2_JNlWNg05uSNuu7hW?ZQkEW4mUQXy9hxi



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	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	0.01	4-7	>999	240	Weight: 13 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 4=Mechanical
Max Horz 2=71(LC 11)
Max Uplift 2=-66(LC 12), 4=-10(LC 12)
Max Grav 2=266(LC 1), 4=155(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 3-10-0 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
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.

EXPIRES: 12/31/2024
December 12,2022

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 1380
1380	HJ4A	Jack-Closed	1	1	R73871154
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:58 2022 Page 1
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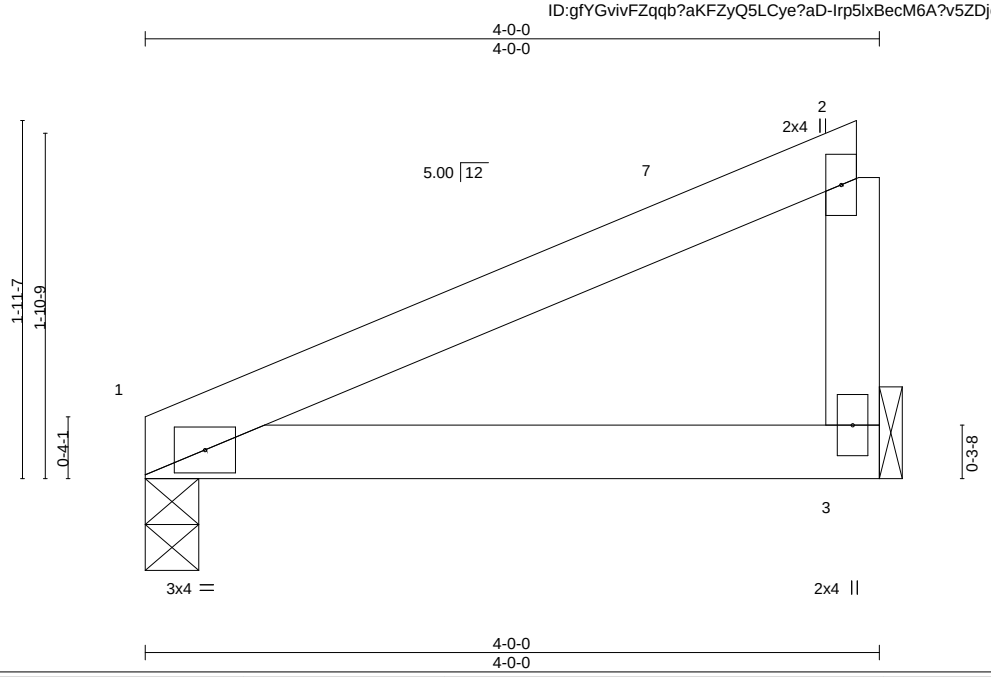

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	3-6	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.02	3-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	0.02	3-6	>999	240	Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-8, 3=Mechanical
Max Horz 1=63(LC 11)
Max Uplift 1=-13(LC 12), 3=-18(LC 12)
Max Grav 1=170(LC 1), 3=168(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 3-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.

EXPIRES: 12/31/2024
December 12,2022

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 1380
1380	HJ5	Jack-Closed	5	1	R73871155
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:22:59 2022 Page 1
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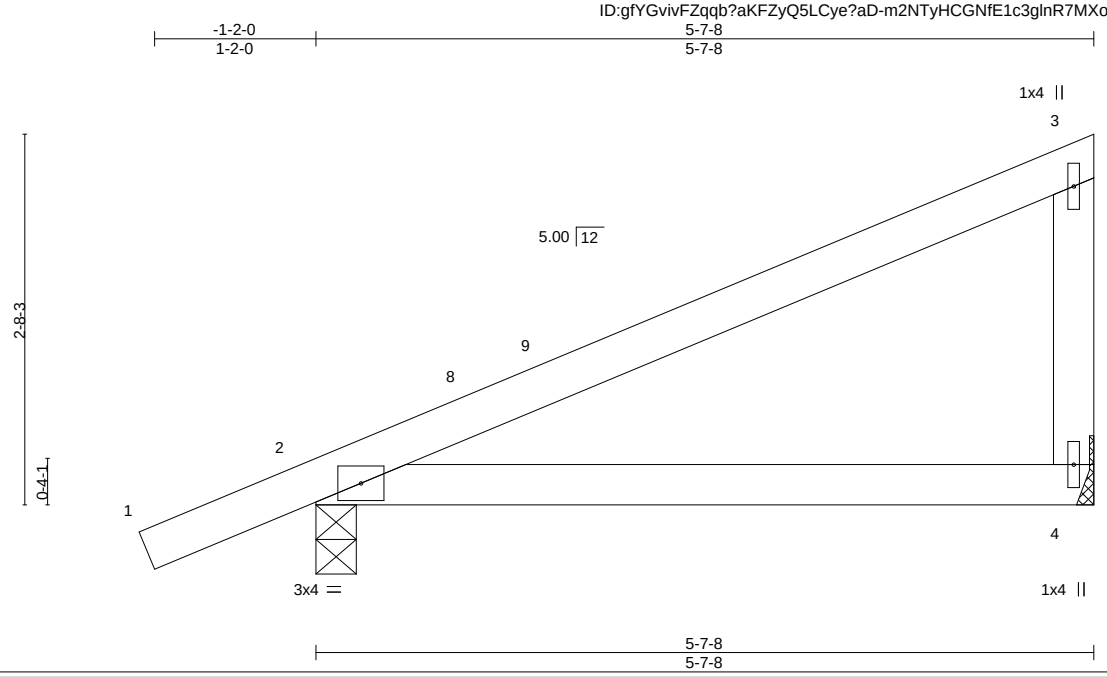

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.03	4-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.09	4-7	>739	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.05	4-7	>999	240	Weight: 17 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=98(LC 12)
Max Uplift 2=-57(LC 12), 4=-32(LC 12)
Max Grav 2=334(LC 1), 4=232(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 5-5-12 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) 2, 4.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	HJ8	Jack-Closed	4	1	R73871156
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:00 2022 Page 1
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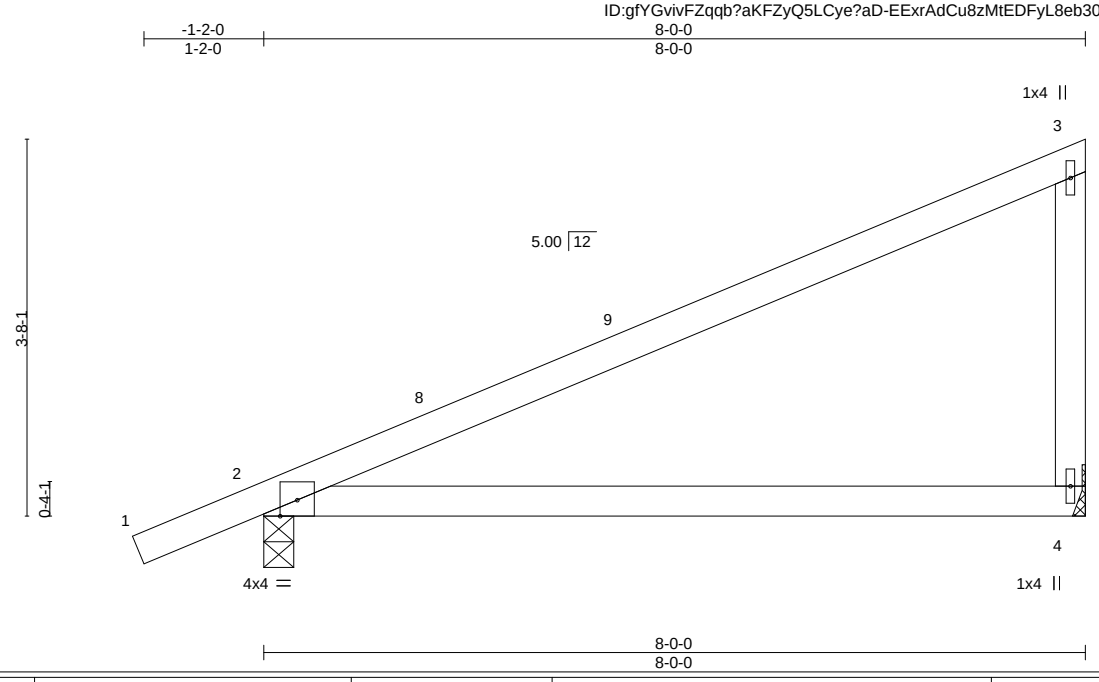

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.13	4-7	>726	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.37	4-7	>253	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		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) 2, 4.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	HJ8A	Jack-Closed	1	1	R73871157
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:01 2022 Page 1
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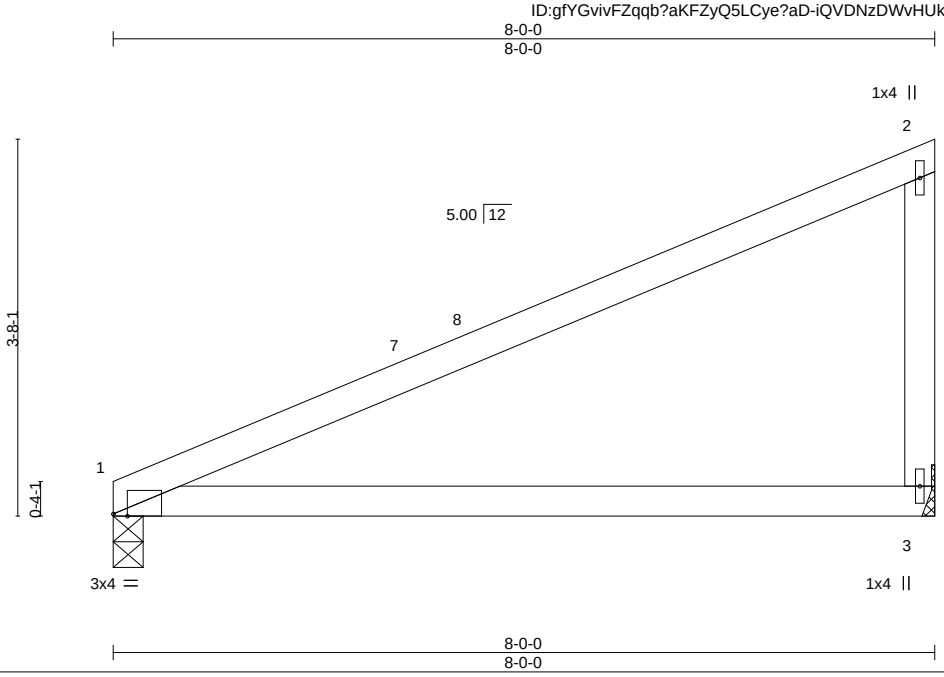

Scale = 1:22.4

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) 1, 3.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	JG1	JACK-CLOSED GIRDER	1	1	R73871158

Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:02 2022 Page 1

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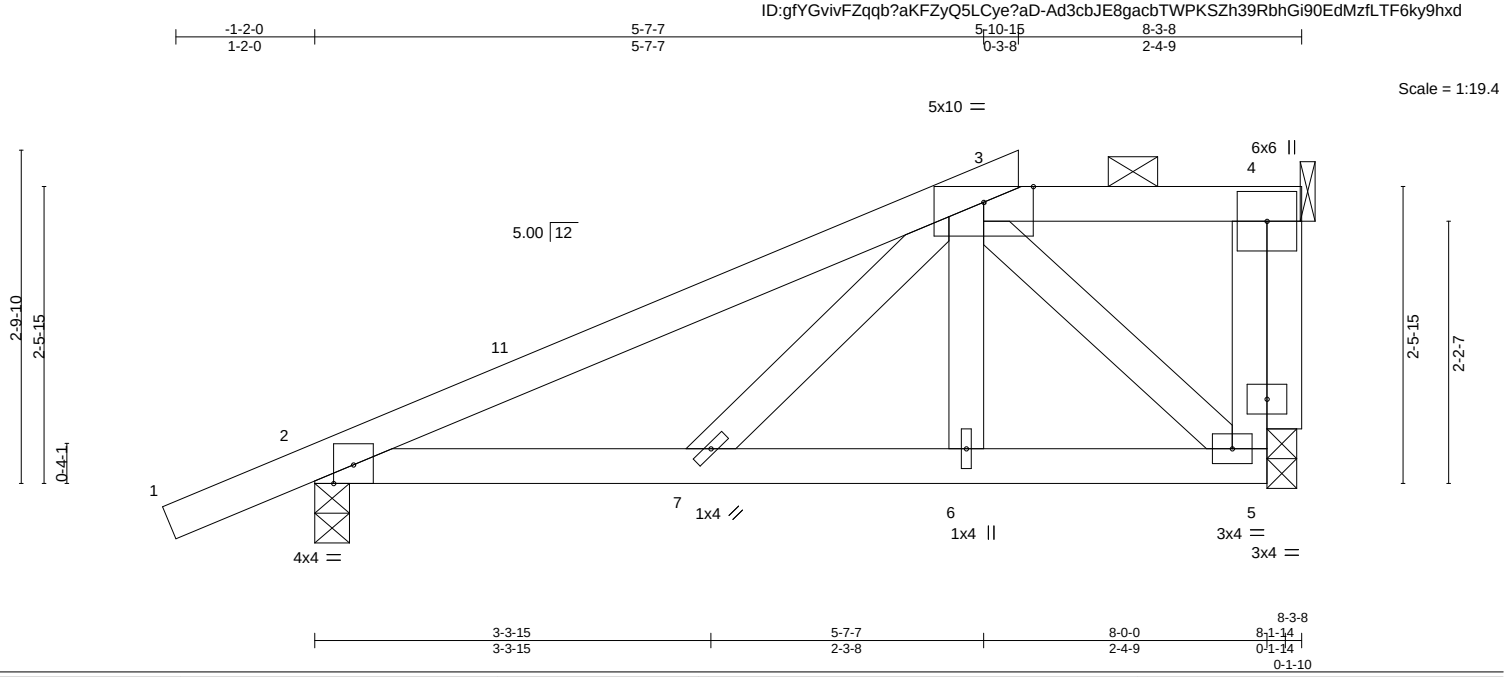

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.01	7-10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.03	7-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.02	7-10	>999	240	Weight: 34 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD	Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 5=0-3-0, 4=Mechanical
Max Horz 2=96(LC 11)
Max Uplift 2=-98(LC 12), 5=-117(LC 9), 4=-36(LC 8)
Max Grav 2=648(LC 1), 5=847(LC 19), 4=77(LC 1)

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

TOP CHORD	2-3=-1038/353
BOT CHORD	2-7=-415/940, 6-7=-346/784, 5-6=-353/782
WEBS	3-5=-1115/480

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) 2, 4 except (jt=lb) 5=117.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
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.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 826 lb down and 318 lb up at 5-9-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

EXPIRES: 12/31/2024

December 12,2022

LOAD CASE(S) Standard

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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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=-734

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 1380
1380	JG1A	JACK-CLOSED GIRDER	1	1	R73871159
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:03 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-fpc_ofFmRukS5g_X0HCIhe8ss5UVz4Z6u?DoeBy9hxc

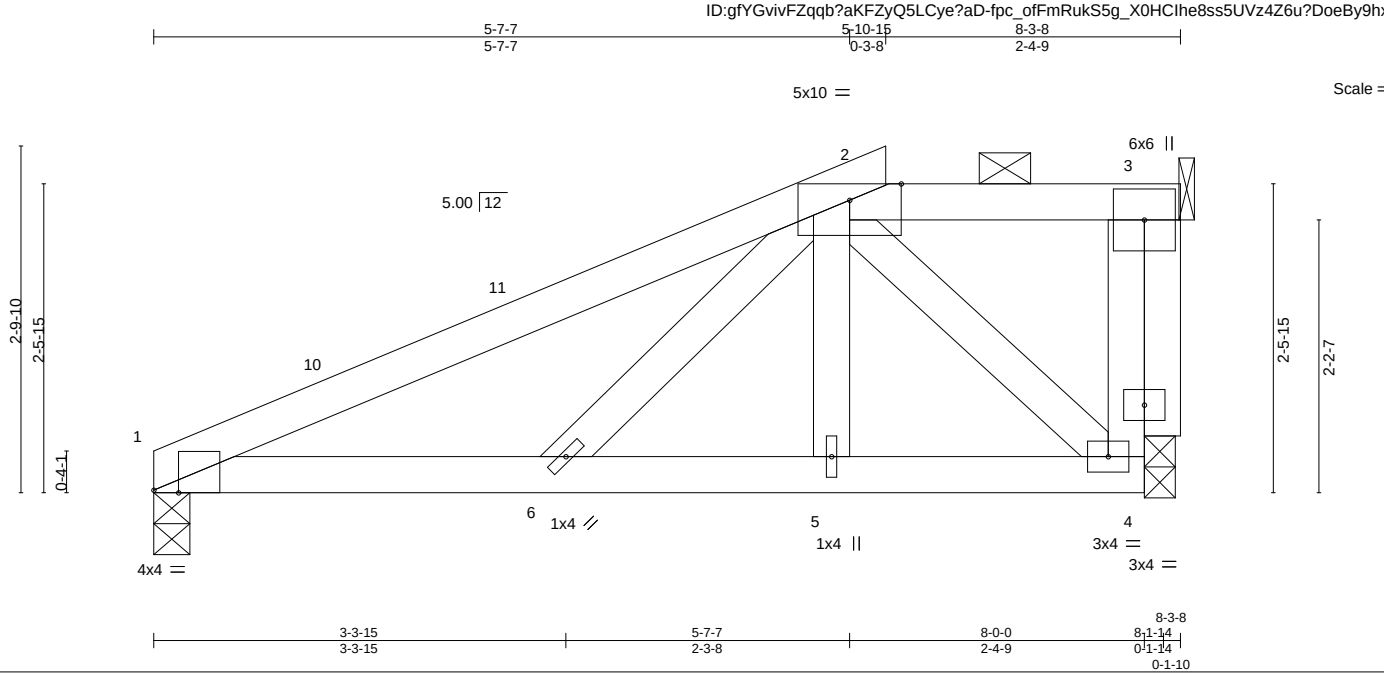

Plate Offsets (X,Y)-- [1:0-2-6,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.02	6-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.04	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.02	6-9	>999	240	Weight: 33 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins: 2-3.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-3-8, 4=0-3-0, 3=Mechanical
Max Horz 1=88(LC 11)
Max Uplift 1=-49(LC 12), 4=-117(LC 9), 3=-36(LC 8)
Max Grav 1=559(LC 1), 4=852(LC 19), 3=77(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1059/395
BOT CHORD 1-6=-430/961, 5-6=-349/788, 4-5=-357/786
WEBS 2-4=-1121/485

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 5-9-0, Exterior(2E) 5-9-0 to 8-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 4=117.
10) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. This connection is for uplift only and does not consider lateral forces.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 826 lb down and 318 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

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

EXPIRES: 12/31/2024
December 12,2022

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

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-68, 2-3=-68, 4-7=-20
   Concentrated Loads (lb)
   Vert: 2=-734

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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400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	JG3	ROOF SPECIAL GIRDER	2	1	R73871160
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:05 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-bCkkDLG1zV_AK_7v8hEmm3DDPvEOR?APMJivj3y9hxa

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

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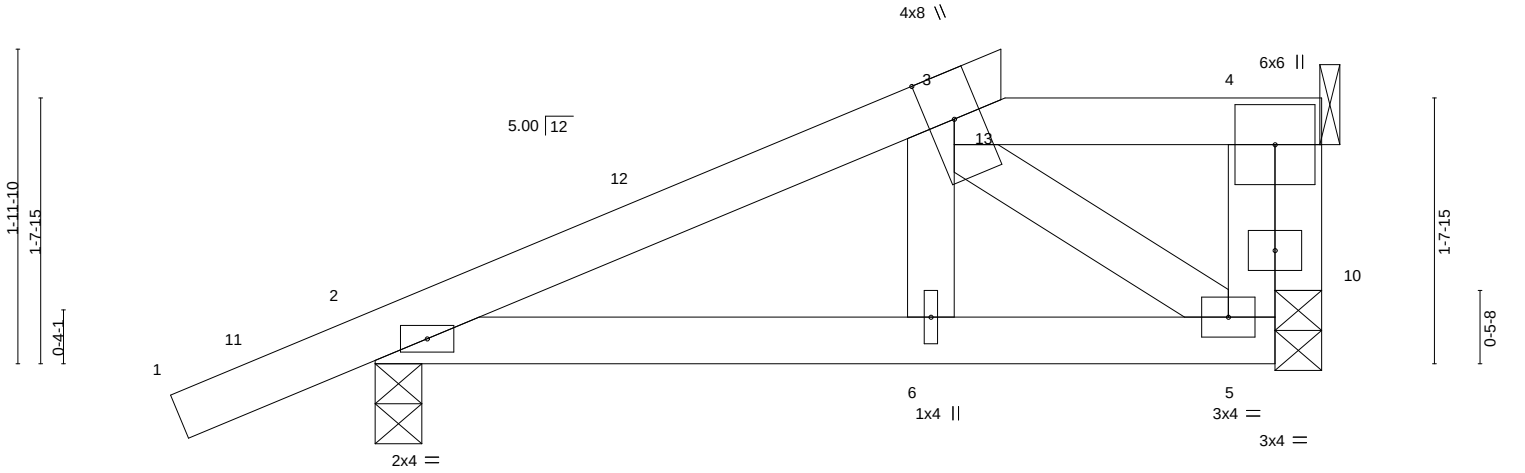

3-7-7 | 3-10-15 | 5-9-6 | 5-11-0
3-7-7 | 0-3-8 | 1-10-7 | 0-1-10

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)	-0.00	6-9	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	6-9	>999	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
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, 4=Mechanical, 10=0-3-8
Max Horz 10=68(LC 12)
Max Uplift 2=-84(LC 12), 4=-108(LC 9), 10=-186(LC 1)
Max Grav 2=457(LC 1), 4=762(LC 1), 10=12(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-611/301, 4-5=-201/430
BOT CHORD 2-6=-191/540, 5-6=-199/550
WEBS 3-5=-679/374

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 5-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Roof live (Construction) load check assumes a transverse pitch of 5.00 / 12 on flat section(s).
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 10 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) 2 except (jt=lb) 4=108, 10=186.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
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.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 468 lb down and 241 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
December 12,2022

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: 13=-468

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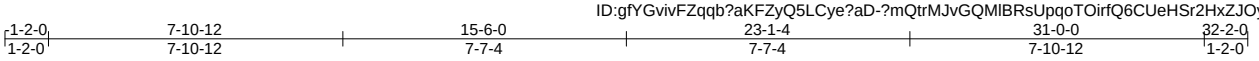
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	K1E	GABLE	1	1	R73871161
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:08 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-?mQtrMJvGQMlBRsUpqoTOirfQ6CUeHSr2HxZJOy9hxX



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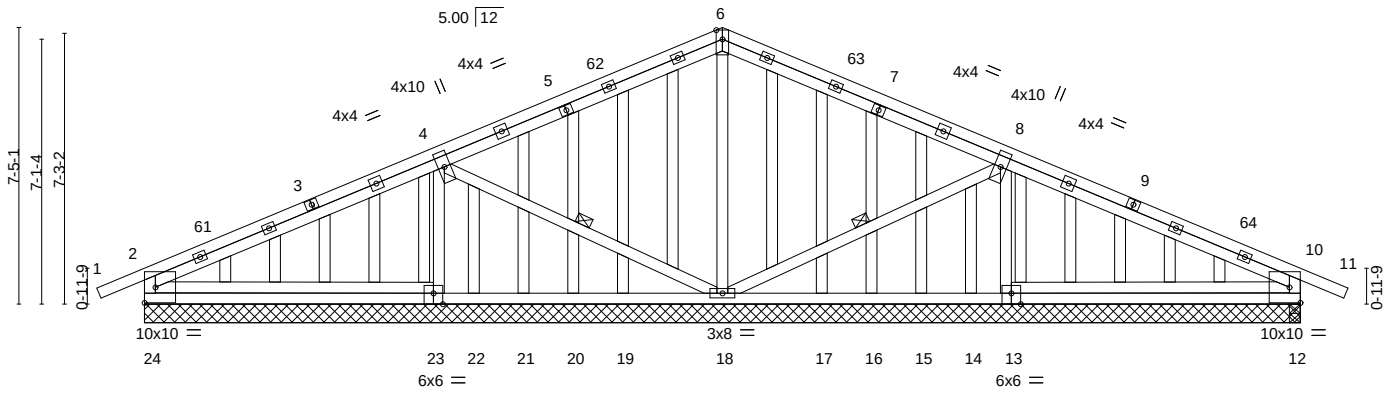
MT20 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



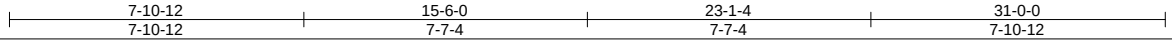


Plate Offsets (X,Y)-- [13:0-3-0,Edge], [23:0-3-0,Edge]

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	0.57	Vert(LL)	-0.07	23-24	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.14	23-24	>661	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	0.01	23-24	>999	240	Weight: 241 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 8-18, 4-18

REACTIONS. All bearings 31-0-0.
(lb) - Max Horz 24=133(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) 18 except 24=-250(LC 35), 23=-163(LC 35), 13=-163(LC 36), 12=-250(LC 36), 22=-248(LC 3), 14=-248(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 19, 20, 21, 17, 16, 15 except 24=446(LC 1), 23=737(LC 47), 18=540(LC 1), 13=737(LC 48), 12=446(LC 1), 12=446(LC 1)

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

TOP CHORD	2-4=-525/379, 4-6=-432/351, 6-8=-431/359, 8-10=-524/378, 2-24=-414/284, 10-12=-386/319
BOT CHORD	23-24=-204/451, 19-20=-90/267, 18-19=-176/353, 17-18=-163/311, 12-13=-177/410
WEBS	6-18=-387/84, 8-18=-309/279, 8-13=-548/319, 4-18=-308/280, 4-23=-546/326, 2-23=-360/280, 10-13=-359/273

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=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-10-8, Interior(1) 1-10-8 to 15-6-0, Exterior(2R) 15-6-0 to 18-7-3, Interior(1) 18-7-3 to 32-2-11 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) except (jt=lb) 24=250, 23=163, 22=248.
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 31-0-0 for 32.3 plf.

EXPIRES: 12/31/2024
December 12,2022

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

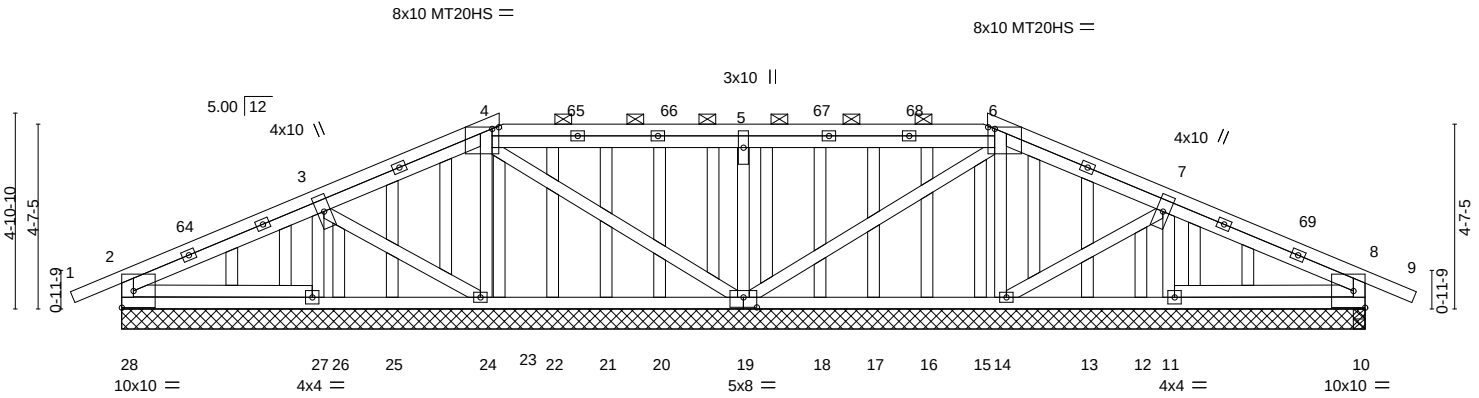
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	K1EB	GABLE	1	1	R73871162
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:13 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-MkDmu4M24z?1IDkScNNe5lZb87zAJctaBZeK?cy9hxS

1-2-0	4-10-12	9-2-13	9-6-0	15-6-0	21-6-0	21-9-3	26-1-4	31-0-0	32-2-0
1-2-0	4-10-12	4-4-1	0-3-3	6-0-0	6-0-0	0-3-3	4-4-1	4-10-12	1-2-0

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

Scale = 1:57.4



4-10-12	9-2-13	9-6-0	15-6-0	21-6-0	21-9-3	26-1-4	31-0-0
4-10-12	4-4-1	0-3-3	6-0-0	6-0-0	0-3-3	4-4-1	4-10-12

Plate Offsets (X,Y)-- [4:0-2-0,0-0-8], [6:0-2-0,0-0-8], [19:0-4-0,0-3-0]

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	0.25	Vert(LL)	-0.01	10-11	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.02	10-11	>999	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S		Wind(LL)	-0.00	27-28	>999	240	Weight: 234 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, Except: 10-0-0 oc bracing: 27-28,16-17,10-11.

REACTIONS. All bearings 31-0-0.
(lb) - Max Horz 28=90(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) 24, 14, 23 except 28=-210(LC 35), 27=-108(LC 35), 19=-161(LC 35), 11=-124(LC 36), 10=-209(LC 36), 26=-178(LC 3), 12=-124(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 25, 22, 21, 20, 18, 17, 16, 15, 13 except 28=313(LC 47), 27=455(LC 3), 19=622(LC 1), 11=414(LC 33), 10=325(LC 33), 10=313(LC 1), 24=344(LC 1), 14=332(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-346/282, 3-4=-305/303, 4-5=-199/273, 5-6=-198/272, 6-7=-304/302, 7-8=-337/281, 2-28=-309/231, 8-10=-280/263
WEBS 3-27=-353/246, 5-19=-493/159, 7-11=-356/230, 4-24=-268/103, 6-14=-268/111

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=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-10-8, Interior(1) 1-10-8 to 9-2-9, Exterior(2R) 9-2-9 to 13-7-3, Interior(1) 13-7-3 to 21-9-7, Exterior(2R) 21-9-7 to 26-1-4, Interior(1) 26-1-4 to 32-2-11 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) 24, 23 except (jt=lb) 28=210, 27=108, 26=178.
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 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 31-0-0 for 32.3 plf.

Continued on page 2

EXPIRES: 12/31/2024
December 12,2022

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

NOTES-

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	K2	Common	4	1	R73871163
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:15 2022 Page 1
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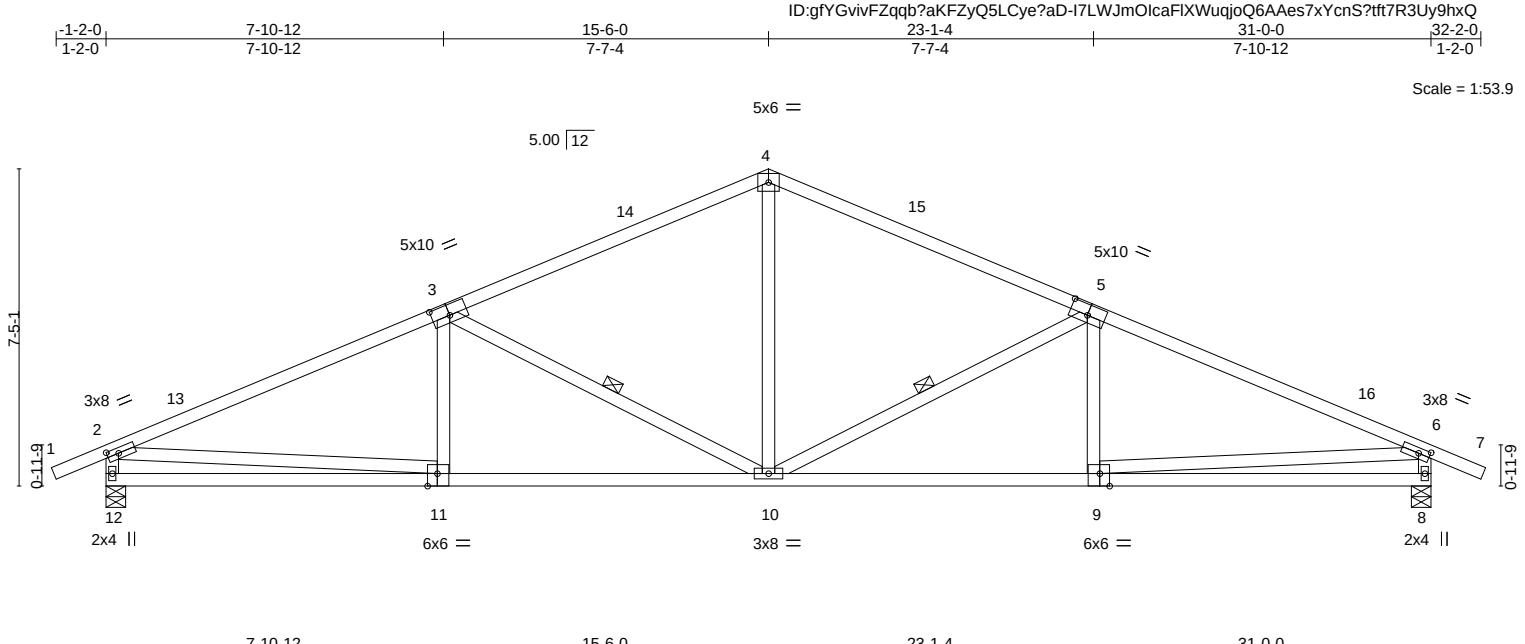

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [3:0-5-0,0-3-0], [5:0-5-0,0-3-0], [6:0-3-3,0-1-8], [9:0-2-12,Edge], [11:0-2-12,Edge]

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	0.54	Vert(LL)	-0.12	11-12	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.28	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.08	10-11	>999	240	Weight: 131 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*
2-11,6-9: 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-10, 3-10

REACTIONS. (size) 12=0-5-8, 8=0-5-8
Max Horz 12=114(LC 11)
Max Uplift 12=-174(LC 12), 8=-174(LC 12)
Max Grav 12=1444(LC 1), 8=1444(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2324/276, 3-4=-1723/286, 4-5=-1723/286, 5-6=-2324/276
BOT CHORD 10-11=-174/2087, 9-10=-184/2087
WEBS 4-10=-37/835, 5-10=-715/142, 3-10=-715/142, 2-12=-1382/265, 2-11=-178/2095, 6-8=-1382/265, 6-9=-178/2095

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=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-10-8, Interior(1) 1-10-8 to 15-6-0, Exterior(2R) 15-6-0 to 18-7-3, Interior(1) 18-7-3 to 32-2-11 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.

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	K2B	HIP	1	1	R73871164
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:17 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-EVTHkRQY8BVTmq2DrDSaGbjGglEBFOWA6BcY8Ny9hxO

-1-2-0	5-10-12	11-2-13	11-6-0	15-6-0	19-6-0	19-9-3	25-1-4	31-0-0	32-2-0
1-2-0	5-10-12	5-4-1	0-3-3	4-0-0	4-0-0	0-3-3	5-4-1	5-10-12	1-2-0

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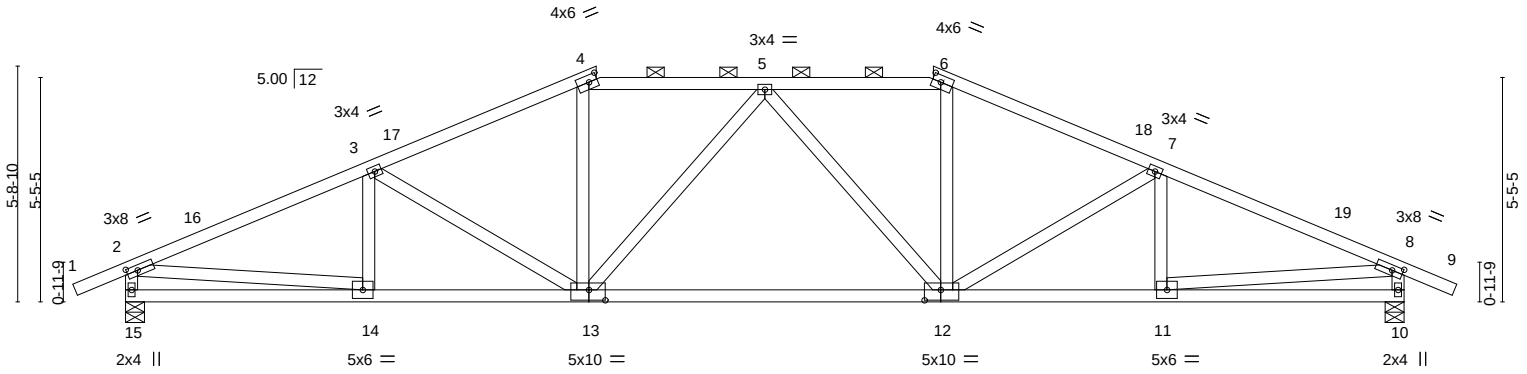

5-10-12	11-2-13	11-6-0	19-6-0	19-9-3	25-1-4	31-0-0
5-10-12	5-4-1	0-3-3	8-0-0	0-3-3	5-4-1	5-10-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.15	12-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.39	12-13	>943	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.08	12-13	>999	240	Weight: 137 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 (5-2-5 max.): 4-6.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 15=0-5-8, 10=0-5-8
Max Horz 15=84(LC 11)
Max Uplift 15=-174(LC 12), 10=-174(LC 12)
Max Grav 15=1444(LC 1), 10=1444(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2316/296, 3-4=-2047/298, 4-5=-1840/301, 5-6=-1840/301, 6-7=-2047/298, 7-8=-2316/296
BOT CHORD 13-14=-198/2077, 12-13=-175/2006, 11-12=-212/2077
WEBS 2-15=-1392/262, 2-14=-214/2093, 8-10=-1392/262, 8-11=-213/2093, 4-13=-15/543, 6-12=-15/543, 3-13=-314/96, 7-12=-314/96, 5-13=-348/85, 5-12=-348/85

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=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-10-8, Interior(1) 1-10-8 to 11-1-1, Exterior(2R) 11-1-1 to 15-6-0, Interior(1) 15-6-0 to 19-10-15, Exterior(2R) 19-10-15 to 24-3-9, Interior(1) 24-3-9 to 32-2-11 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) 15 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.

EXPIRES: 12/31/2024
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	K3B	HIP	1	1	R73871165
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:19 2022 Page 1

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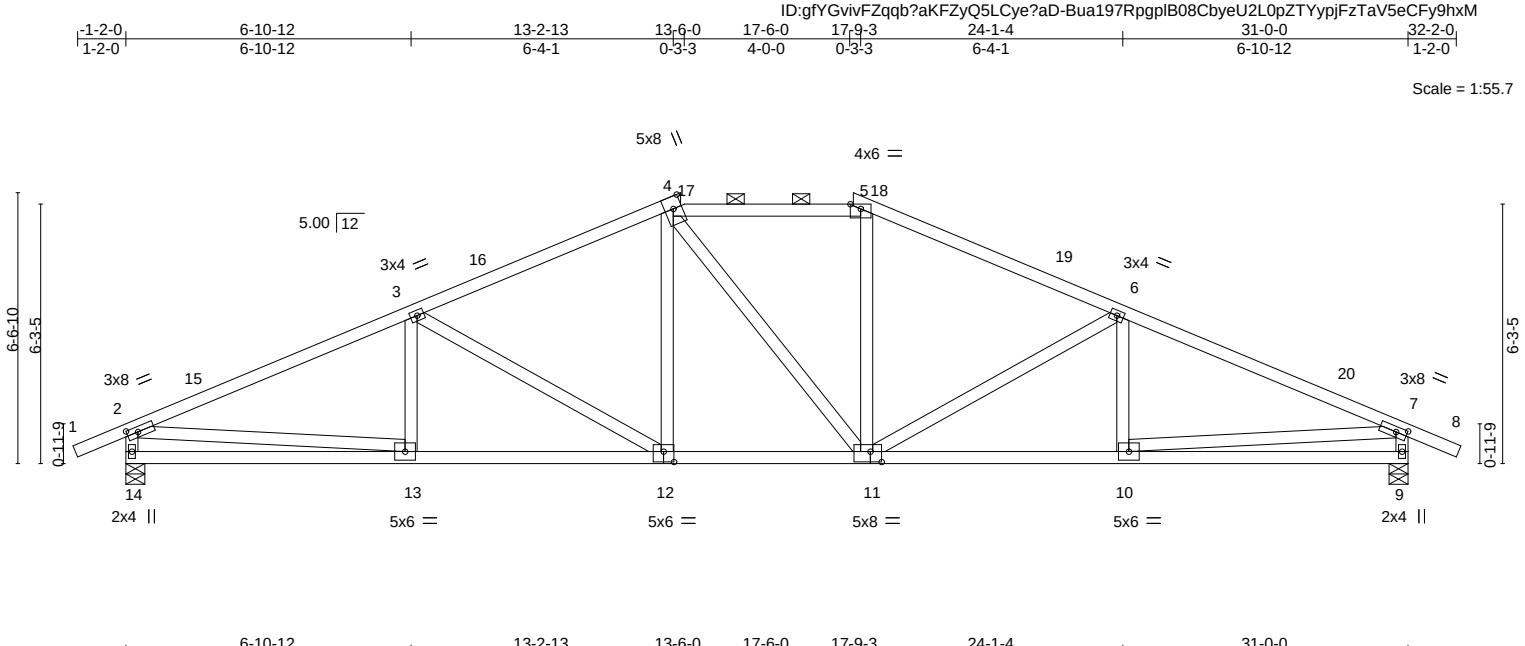

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [5:0-3-0,0-1-6], [7:0-3-3,0-1-8], [11:0-3-4,0-3-0], [12:0-3-0,0-3-0]

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	0.39	Vert(LL)	-0.08	13-14	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.22	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.07	12	>999	240	Weight: 138 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*
2-13,7-10: 2x4 SPF 1650F 1.5E

BRACING-

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

REACTIONS. (size) 14=0-5-8, 9=0-5-8
Max Horz 14=-97(LC 10)
Max Uplift 14=-174(LC 12), 9=-174(LC 12)
Max Grav 14=1444(LC 1), 9=1444(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2349/299, 3-4=-1931/308, 4-5=-1675/313, 5-6=-1907/307, 6-7=-2348/299
BOT CHORD 12-13=-192/2099, 11-12=-112/1708, 10-11=-208/2097
WEBS 2-14=-1387/265, 2-13=-209/2111, 7-9=-1387/266, 7-10=-209/2109, 4-12=0/398, 3-12=-467/98, 5-11=-5/460, 6-11=-507/107

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=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-2-11 to 1-10-8, Interior(1) 1-10-8 to 13-1-14, Exterior(2R) 13-1-14 to 17-6-8, Interior(1) 17-6-8 to 17-10-15, Exterior(2R) 17-10-15 to 22-3-9, Interior(1) 22-3-9 to 32-2-11 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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	K4G	Hip Girder	1	2	R73871166
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:22 2022 Page 1
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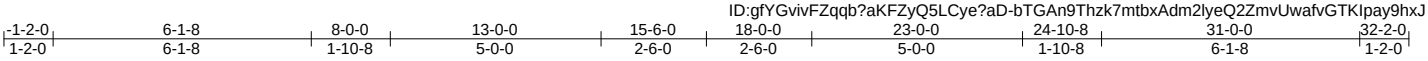

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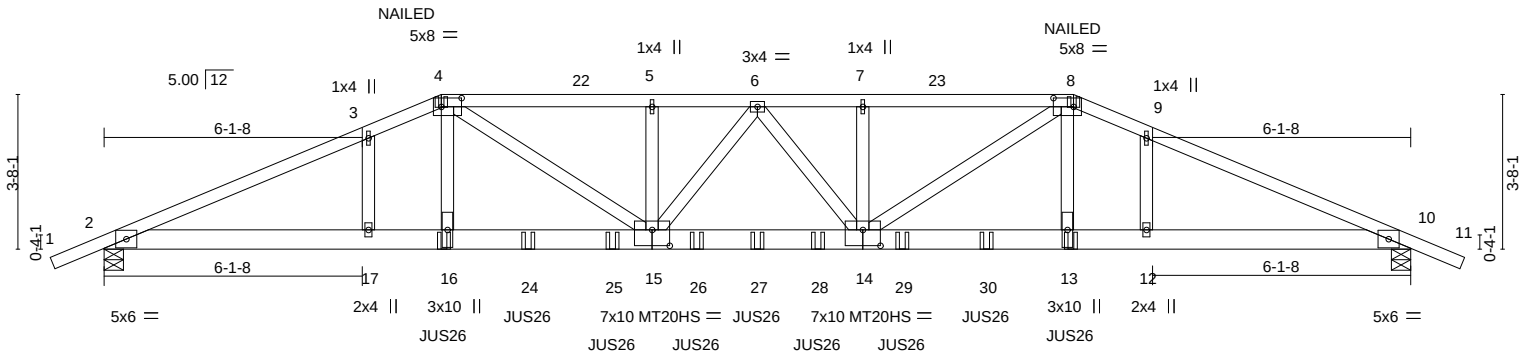

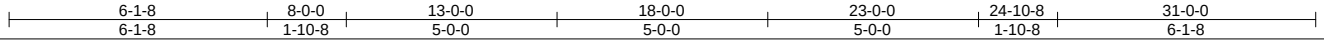

Plate Offsets (X,Y)-- [4:0-5-12,0-2-8], [8:0-5-12,0-2-8], [14:0-5-0,0-4-8], [15:0-5-0,0-4-8]

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	0.52	Vert(LL)	-0.22	14-15	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.60	14-15	>622	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.25	14-15	>999	240	Weight: 272 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 4-7-14 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=-63(LC 25)
Max Uplift 2=-561(LC 8), 10=-561(LC 8)
Max Grav 2=3679(LC 1), 10=3679(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-8441/1243, 3-4=-8356/1282, 4-5=-9502/1480, 5-6=-9502/1480, 6-7=-9502/1480, 7-8=-9502/1480, 8-9=-8356/1282, 9-10=-8441/1243
BOT CHORD 2-17=-1063/7734, 16-17=-1063/7734, 15-16=-1074/7809, 14-15=-1360/9563, 13-14=-1074/7809, 12-13=-1063/7734, 10-12=-1063/7734
WEBS 4-16=-250/1712, 4-15=-328/2149, 5-15=-268/147, 7-14=-269/147, 8-14=-328/2149, 8-13=-250/1712

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=31ft; 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 10. 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 22-11-4 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.

Continued on page 2

EXPIRES: 12/31/2024
December 12,2022

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Roseville, CA 95661

NOTES-

14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 777 lb down and 137 lb up at 6-0-12, and 777 lb down and 137 lb up at 24-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-68, 4-8=-68, 8-11=-68, 2-10=-20
   Concentrated Loads (lb)
   Vert: 4=-19(B) 8=-19(B) 16=-319(B) 13=-319(B) 17=-777 12=-777 24=-319(B) 25=-319(B) 26=-319(B) 27=-319(B) 28=-319(B) 29=-319(B) 30=-319(B)

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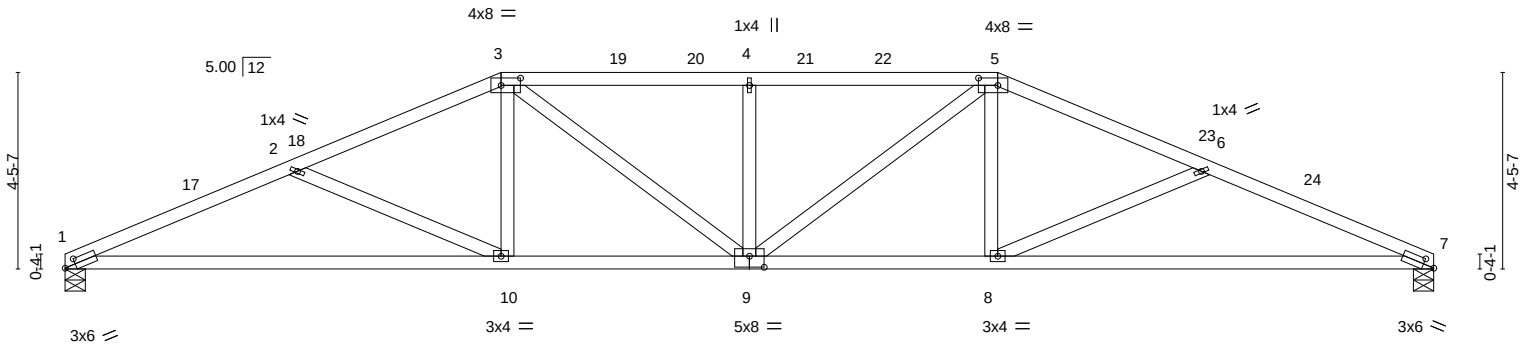
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	K5	Hip	1	1	R73871167
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:23 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-3fqY?VUJk1FdVlVNBTZ_VszFT9Fqf6c3V73sL1y9hxI

5-3-2	9-10-8	15-6-0	21-1-8	25-8-14	31-0-0
5-3-2	4-7-6	5-7-8	5-7-8	4-7-6	5-3-2

Scale = 1:52.2



9-10-8	15-6-0	21-1-8	31-0-0
9-10-8	5-7-8	5-7-8	9-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.21	10-13	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.51	10-13	>723	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.11	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.12	9	>999	240	Weight: 113 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, 7=0-5-8
Max Horz 1=67(LC 11)
Max Uplift 1=-125(LC 12), 7=-125(LC 12)
Max Grav 1=1364(LC 1), 7=1364(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2951/414, 2-3=-2510/331, 3-4=-2586/387, 4-5=-2586/387, 5-6=-2510/331, 6-7=-2951/414
BOT CHORD 1-10=-335/2700, 9-10=-189/2267, 8-9=-186/2267, 7-8=-332/2700
WEBS 2-10=-489/158, 3-10=0/488, 3-9=-75/491, 4-9=-420/130, 5-9=-75/491, 5-8=0/488, 6-8=-489/158

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=31ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-1-3, Interior(1) 3-1-3 to 9-10-8, Exterior(2R) 9-10-8 to 14-3-2, Interior(1) 14-3-2 to 21-1-8, Exterior(2R) 21-1-8 to 25-6-2, Interior(1) 25-6-2 to 31-0-0 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 7. 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
December 12,2022

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Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	P1E	GABLE	1	1	R73871168
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:25 2022 Page 1
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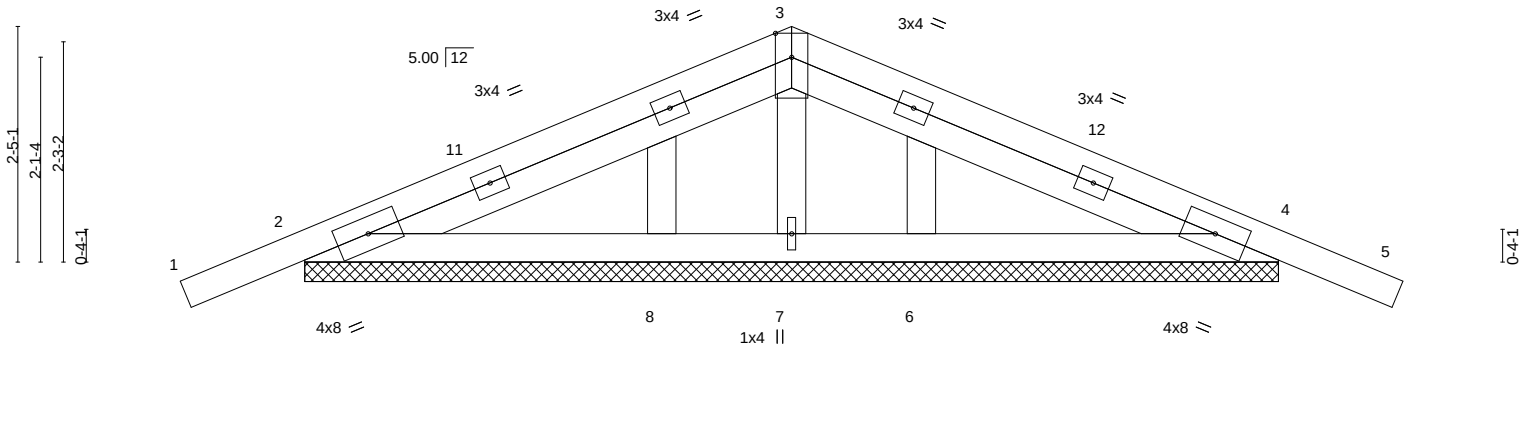
-1-2-0 | 5-0-0 | 10-0-0 | 11-2-0
1-2-0 | 5-0-0 | 5-0-0 | 1-2-0

Scale = 1:23.7

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

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	0.09	Vert(LL)	0.00	5	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							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
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 10-0-0.
(lb) - Max Horz 2=-35(LC 31)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 2=-287(LC 35), 4=-287(LC 36)
Max Grav All reactions 250 lb or less at joint(s) 8, 6 except 2=362(LC 44), 4=367(LC 33), 7=292(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-613/595, 3-4=-591/612
BOT CHORD 2-8=-492/514, 4-6=-492/514
WEBS 3-7=-327/184

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -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 requires continuous bottom chord bearing.
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) 7 except (jt=lb) 2=287, 4=287.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a total drag load of 1000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 10-0-0 for 100.0 plf.

EXPIRES: 12/31/2024
December 12,2022

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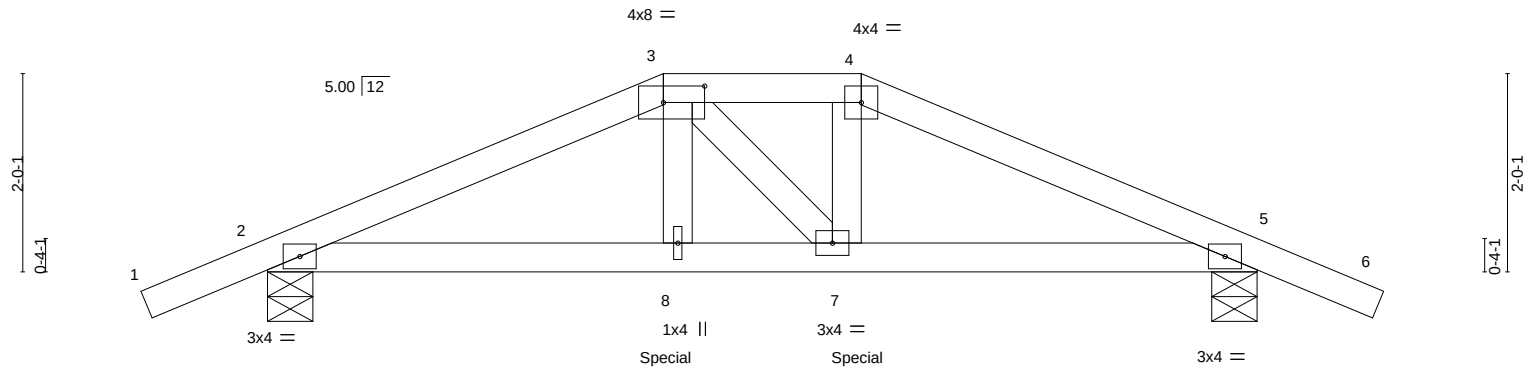
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	P1G	Hip Girder	1	1	R73871169
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:27 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-yQ33qsXqnGl2zMp8QJdwfi8?0mj0axMePk13Uoy9hxE

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

Scale = 1:23.3



4-0-0 | 6-0-0 | 10-0-0
4-0-0 | 2-0-0 | 4-0-0

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.02	8	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.05	8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.02	8	>999	240	Weight: 32 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-6 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=-137(LC 8), 5=-137(LC 8)
Max Grav 2=878(LC 1), 5=878(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1594/188, 3-4=-1469/188, 4-5=-1598/187
BOT CHORD 2-8=-114/1429, 7-8=-116/1465, 5-7=-120/1433
WEBS 3-8=-23/423, 4-7=-21/441

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) 355 lb down and 71 lb up at 4-0-0, and 355 lb down and 71 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=-355(B) 7=-355(B)

EXPIRES: 12/31/2024
December 12,2022

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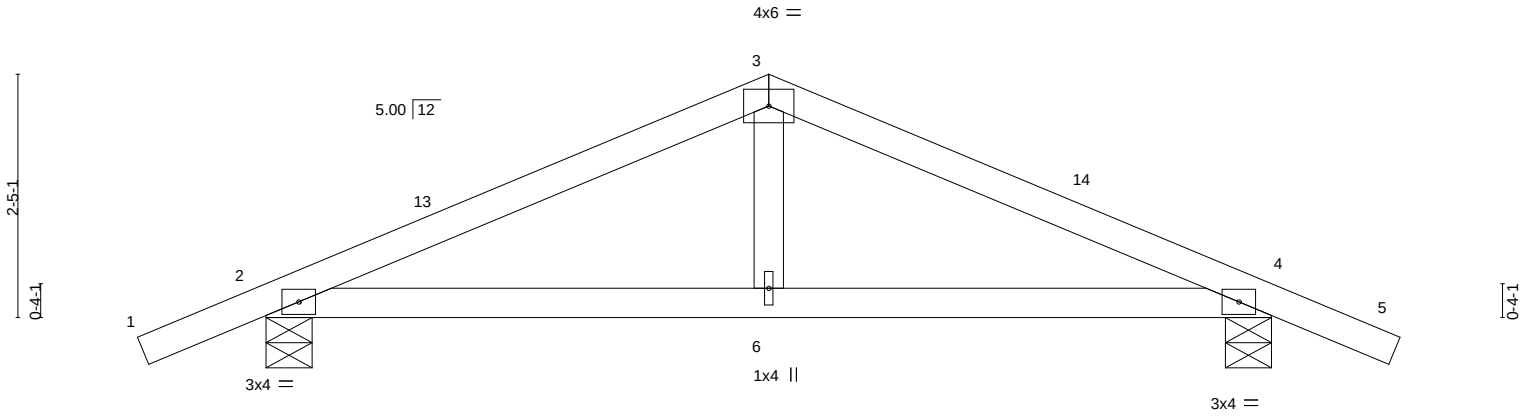
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	P2	Common	4	1	R73871170
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:28 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-QddR2CYSYauvbWOK_189CvgAlA3iJPPoeOnd1Ey9hxD

-1-2-0 1-2-0 | 5-0-0 5-0-0 | 10-0-0 5-0-0 | 11-2-0 1-2-0

Scale = 1:22.9



5-0-0 5-0-0 | 10-0-0 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.16	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.

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

EXPIRES: 12/31/2024
December 12,2022

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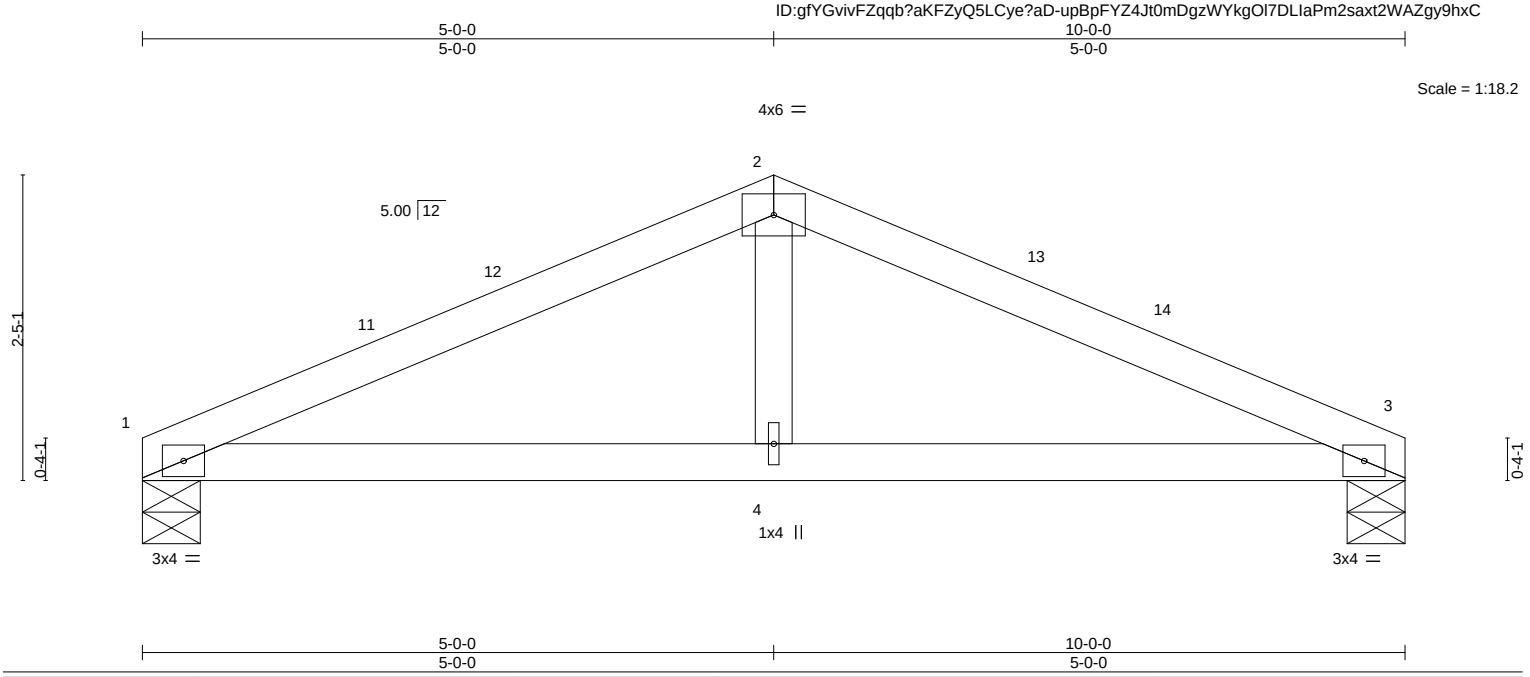
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	P2A	Common	1	1	R73871171
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:29 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-upBpFYZ4Jt0mDgzWYkgOl7DLIaPm2saxt2WAZgy9hxC



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	4-10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.05	4-10	>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.

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

EXPIRES: 12/31/2024
December 12,2022

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

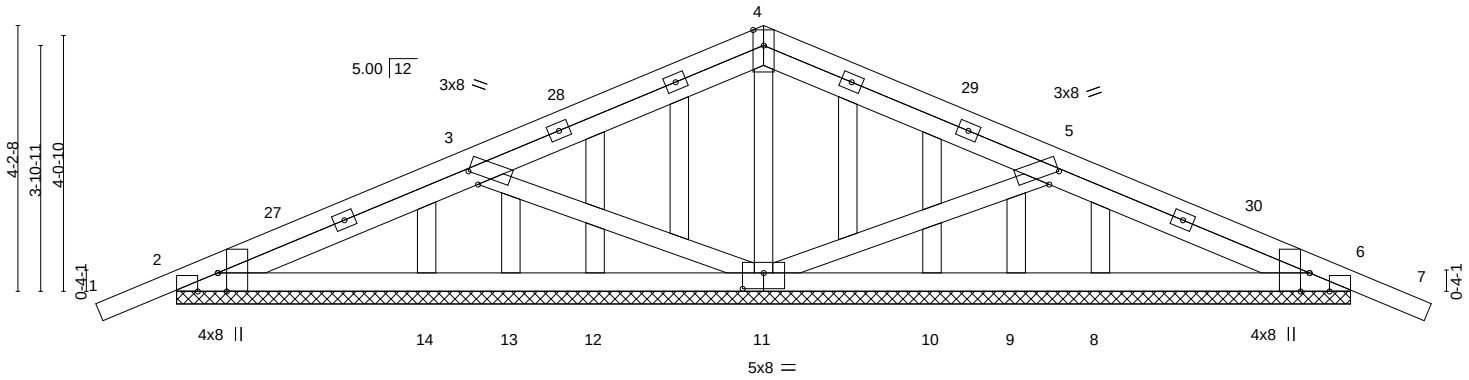
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	S1E	GABLE	1	1	R73871172
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:32 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-IOtxuabzcoOL47h5DsD5MlrtdnTrFCoNZ0lqA?y9hx9

-1-2-0	4-11-10	9-3-8	13-7-6	18-7-0	19-9-0
1-2-0	4-11-10	4-3-14	4-3-14	4-11-10	1-2-0

Scale = 1:36.5

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



9-3-8	18-7-0
9-3-8	9-3-8

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-3-13,Edge], [3:0-2-9,0-1-12], [5:0-2-9,0-1-12], [6:0-3-13,Edge], [6:0-3-8,Edge], [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	0.10	Vert(LL)	0.00	7	n/r	120	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 99 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF/SPF Stud/Std
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 18-7-0.
(lb) - Max Horz 2=60(LC 33)
Max Uplift All uplift 100 lb or less at joint(s) 13, 9 except 2=-329(LC 35), 6=-329(LC 36), 11=-199(LC 35)
Max Grav All reactions 250 lb or less at joint(s) 12, 14, 10, 8 except 2=423(LC 32), 6=436(LC 33), 11=926(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-783/731, 3-4=-395/514, 4-5=-388/514, 5-6=-793/719
BOT CHORD 2-14=-630/712, 13-14=-375/482, 12-13=-280/391, 11-12=-203/309, 10-11=-178/283, 9-10=-256/365, 8-9=-350/455, 6-8=-606/685
WEBS 3-11=-470/254, 4-11=-532/190, 5-11=-470/250

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 9-3-8, Exterior(2R) 9-3-8 to 12-3-8, Interior(1) 12-3-8 to 19-9-11 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, 9 except (jt=lb) 2=329, 6=329, 11=199.
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 18-7-0 for 64.6 plf.

EXPIRES: 12/31/2024
December 12,2022

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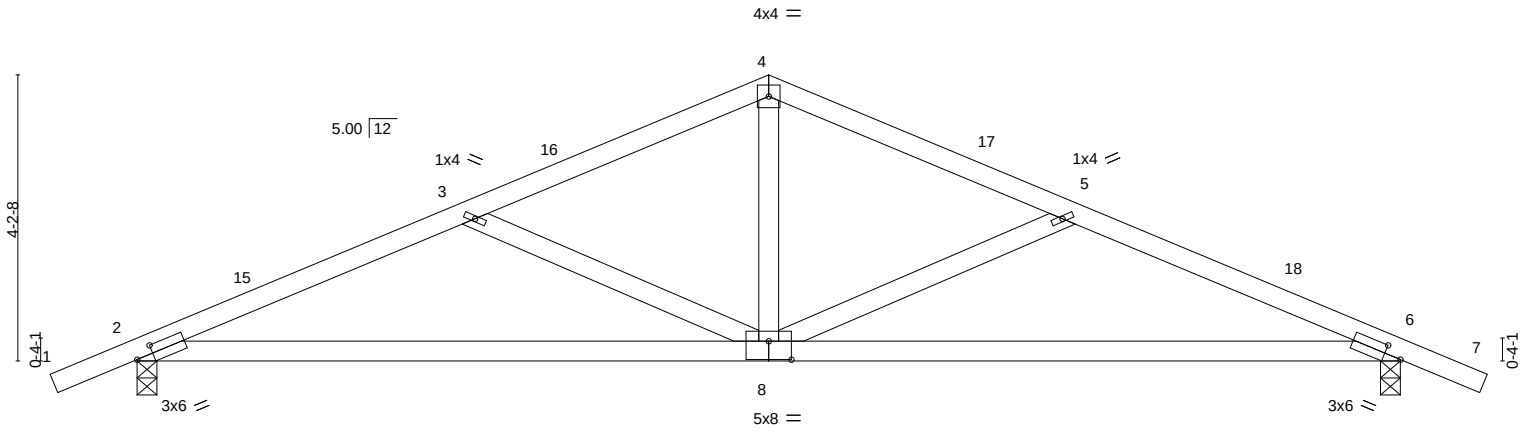
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	S2	Common	2	1	R73871173
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:33 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-maQK5vcbN6WChHGInakKvzO?rBiE_d8XogUOiRy9hx8

-1-2-0	4-11-10	9-3-8	13-7-6	18-7-0	19-9-0
1-2-0	4-11-10	4-3-14	4-3-14	4-11-10	1-2-0

Scale = 1:33.9



9-3-8	18-7-0
9-3-8	9-3-8

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

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	0.26	Vert(LL)	-0.11	8-11	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.26	8-11	>856	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.04	8-11	>999	240	Weight: 62 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, 6=0-3-8
Max Horz 2=-62(LC 10)
Max Uplift 2=-120(LC 12), 6=-120(LC 12)
Max Grav 2=901(LC 1), 6=901(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1573/371, 3-4=-1169/263, 4-5=-1169/263, 5-6=-1573/371
BOT CHORD 2-8=-261/1428, 6-8=-270/1428
WEBS 4-8=-43/639, 5-8=-460/199, 3-8=-460/199

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 9-3-8, Exterior(2R) 9-3-8 to 12-3-8, Interior(1) 12-3-8 to 19-9-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	S3G	COMMON GIRDER	1	3	R73871174
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:35 2022 Page 1
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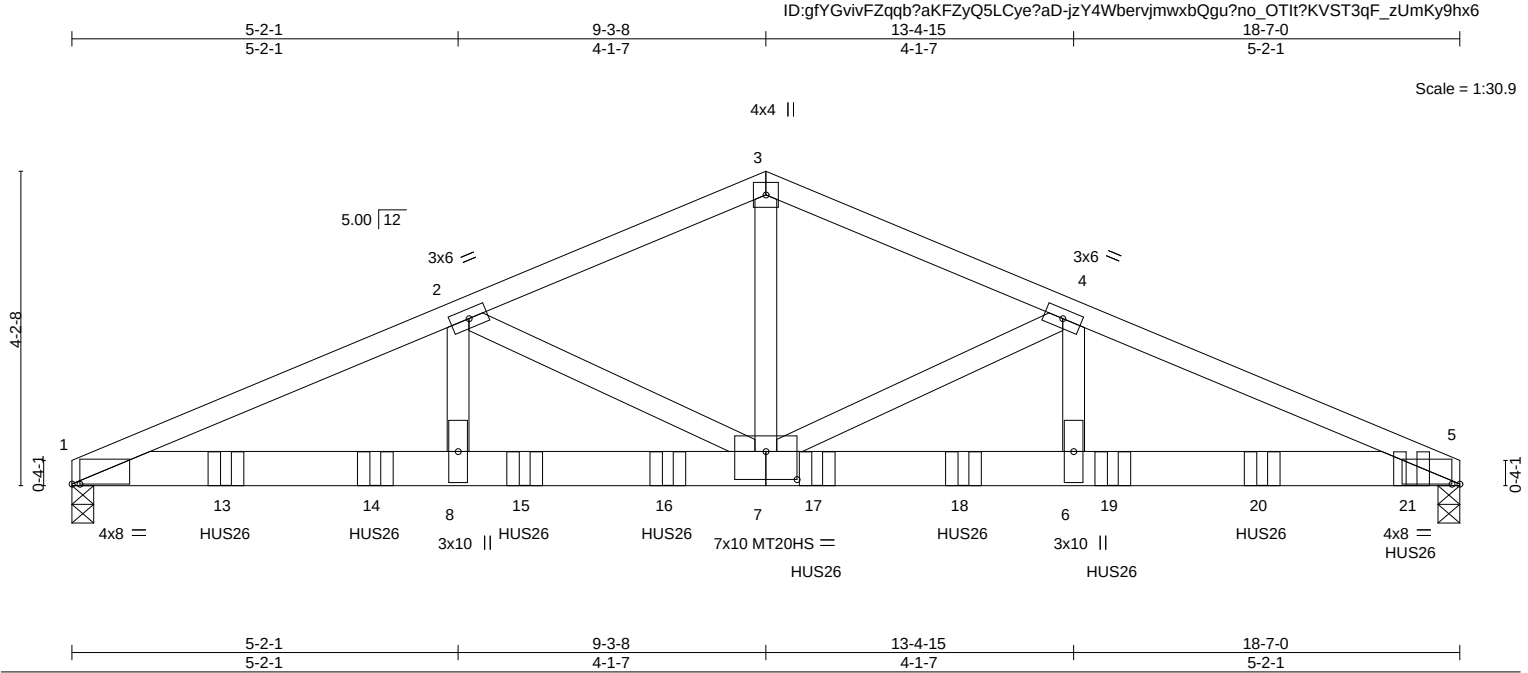

Plate Offsets (X,Y)-- [1:0-1-4,0-0-0], [5:0-1-4,0-0-0], [7:0-5-0,0-4-8]

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	0.42	Vert(LL)	-0.09	6-7	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.23	6-7	>962	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.07	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.09	7-8	>999	240	Weight: 223 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*
3-7: 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 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=55(LC 26)
Max Uplift 1=-668(LC 8), 5=-776(LC 8)
Max Grav 1=4650(LC 1), 5=6189(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-10345/1604, 2-3=-7605/1227, 3-4=-7608/1228, 4-5=-11716/1579
BOT CHORD 1-8=-1433/9536, 7-8=-1433/9536, 6-7=-1413/10814, 5-6=-1413/10814
WEBS 3-7=-859/5535, 4-7=-4324/434, 4-6=-232/3159, 2-7=-2889/457, 2-8=-262/2024

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 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) 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.
8) Two SBP4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 5. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Use USP HUS26 (With 14-16d nails into Girder & 4-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 17-11-4 to connect truss(es) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

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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.
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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, 1-5=-20
   Concentrated Loads (lb)
   Vert: 13=-799(F) 14=-799(F) 15=-799(F) 16=-816(F) 17=-1198(F) 18=-1198(F) 19=-1198(F) 20=-1198(F) 21=-1201(F)

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Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	S4G	Hip Girder	1	3	R73871175
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:38 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-7YED8dgjCe8Uo29FZ7KVc05pwCLOfqYGxyC9Nfy9hx3

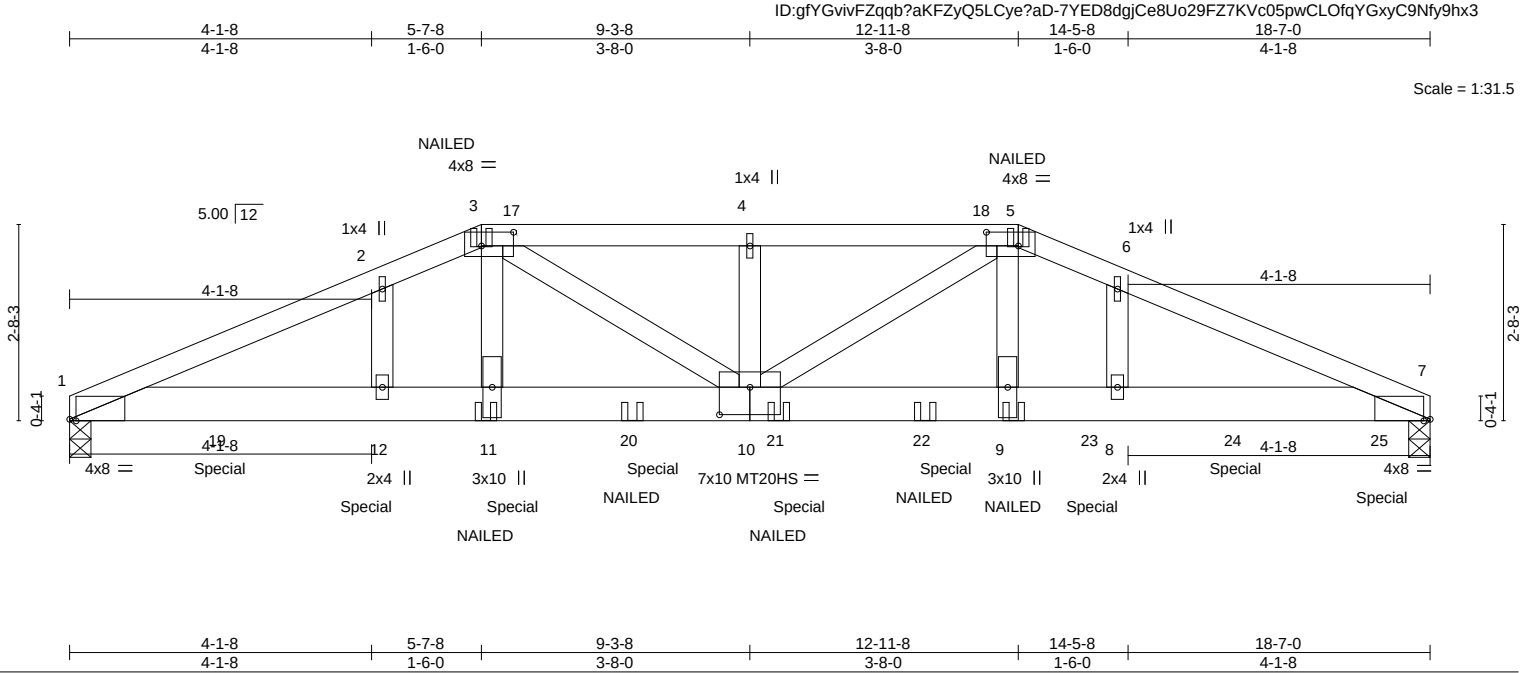

Plate Offsets (X,Y)-- [1:0-1-1,Edge], [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [7:0-1-1,Edge], [10:0-5-0,0-4-8]

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	0.43	Vert(LL)	-0.10	10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.26	10	>864	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.11	10	>999	240	Weight: 224 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=-34(LC 25)
Max Uplift 1=-608(LC 8), 7=-789(LC 8)
Max Grav 1=4790(LC 1), 7=6082(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-10598/1407, 2-3=-10509/1421, 3-4=-10995/1649, 4-5=-10995/1649, 5-6=-10906/1614, 6-7=-11045/1600
BOT CHORD 1-12=-1268/9753, 11-12=-1268/9753, 10-11=-1286/9940, 9-10=-1477/10375, 8-9=-1447/10170, 7-8=-1447/10170
WEBS 3-11=-321/2964, 3-10=-374/1336, 5-10=-148/821, 5-9=-511/3249

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 4-10 2x4 - 1 row at 0-5-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=608, 7=789.
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.

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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 799 lb down and 94 lb up at 2-0-12, 799 lb down and 94 lb up at 4-0-12, 799 lb down and 94 lb up at 6-0-12, 799 lb down and 94 lb up at 7-11-12, 795 lb down and 95 lb up at 9-11-12, 654 lb down and 258 lb up at 11-11-12, 1198 lb down and 133 lb up at 13-11-12, and 1198 lb down and 133 lb up at 15-11-4, and 1201 lb down and 130 lb up at 17-11-4 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: 1-3=-68, 3-5=-68, 5-7=-68, 1-7=-20
   Concentrated Loads (lb)
   Vert: 3=-12(B) 5=-12(B) 11=-1010(F=-799, B=-212) 9=-212(B) 12=-799(F) 19=-799(F) 20=-1010(F=-799, B=-212) 21=-1007(F=-795, B=-212) 22=-779(F=-567, B=-212) 23=-1198(F) 24=-1198(F) 25=-1201(F)

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Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	S5G	Hip Girder	1	3	R73871176
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:41 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-X7vLmeicUZW3fWtqFFtCEfjLWQO6sAbidwQp__y9hx0

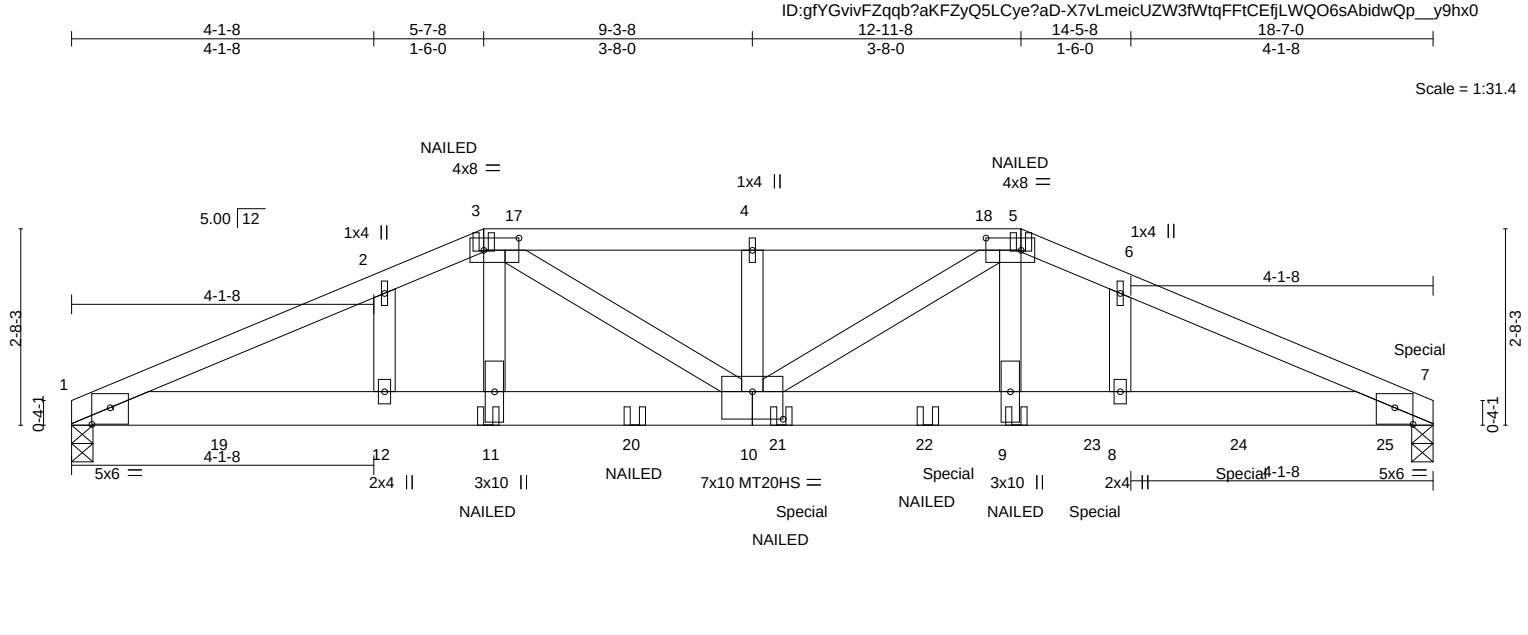

Plate Offsets (X,Y)-- [1:0-3-0,0-2-11], [3:0-5-12,0-2-0], [5:0-5-12,0-2-0], [7:0-3-0,0-2-11], [10:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.10	10	>999	360	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.25	10	>877	240	MT20HS	139/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.10	10	>999	240	Weight: 224 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=34(LC 26)
Max Uplift 1=-690(LC 8), 7=-1147(LC 8)
Max Grav 1=4935(LC 1), 7=5480(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-10808/1537, 2-3=-10709/1548, 3-4=-11002/1610, 4-5=-11002/1610, 5-6=-10228/1519, 6-7=-10303/1506
BOT CHORD 1-12=-1388/9946, 11-12=-1388/9946, 10-11=-1415/10144, 9-10=-1389/9658, 8-9=-1365/9488, 7-8=-1365/9488
WEBS 3-11=-466/3146, 3-10=-175/1103, 5-10=-205/1678, 5-9=-428/2690

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 2 rows staggered at 0-5-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=690, 7=1147.
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.

EXPIRES: 12/31/2024
December 12,2022

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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 884 lb down and 140 lb up at 2-0-12, 884 lb down and 140 lb up at 4-0-12, 884 lb down and 140 lb up at 6-0-12, 884 lb down and 140 lb up at 7-11-12, 795 lb down and 95 lb up at 9-11-12, 795 lb down and 94 lb up at 11-11-12, 795 lb down and 94 lb up at 13-11-12, and 607 lb down and 146 lb up at 15-11-12, and 1414 lb down and 573 lb up at 17-11-12 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: 1-3=-68, 3-5=-68, 5-7=-68, 1-7=-20
   Concentrated Loads (lb)
   Vert: 3=-12(B) 5=-12(B) 11=-1096(B=-212) 9=-212(B) 12=-884 19=-884 20=-1096(B=-212) 21=-1007(F=-795, B=-212) 22=-1007(F=-795, B=-212) 23=-795(F) 24=-583(F) 25=-1189(F)

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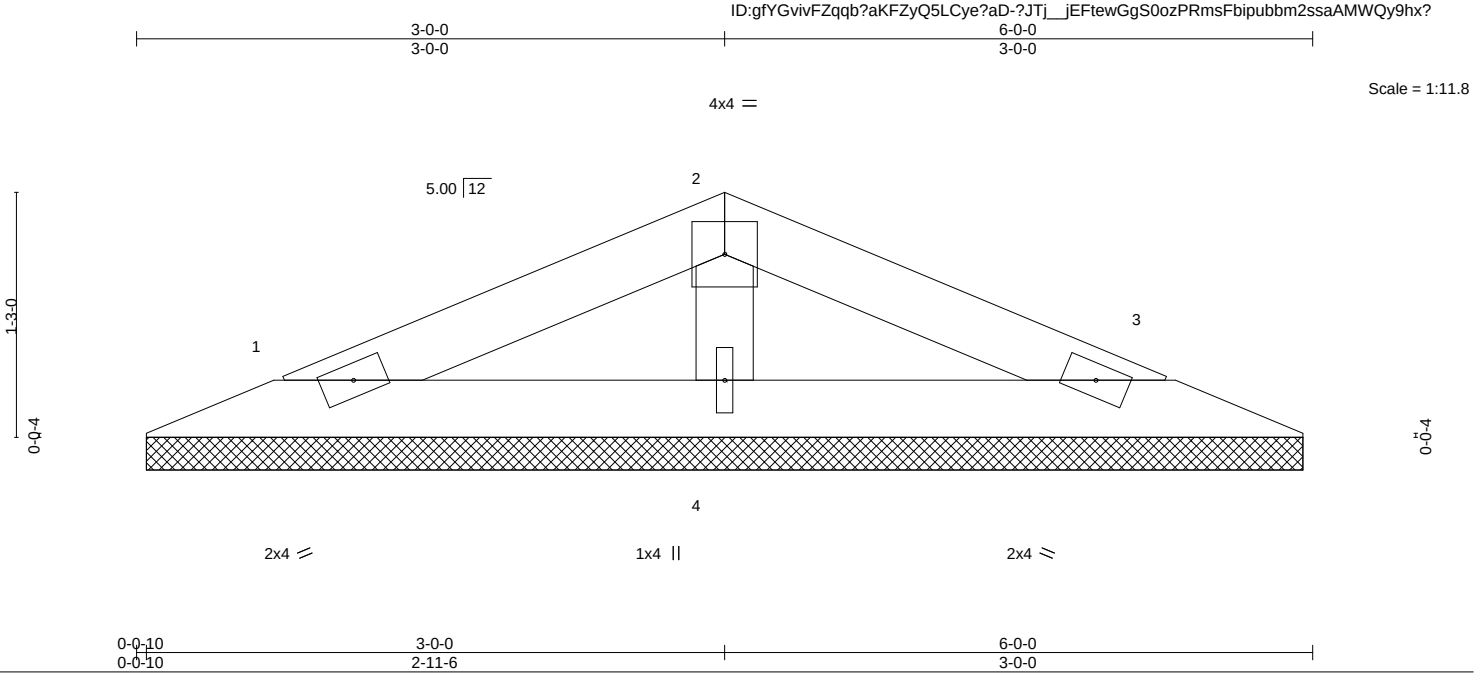
Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V1	Valley	1	1	R73871177
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:42 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-?JTj__jEFtewGgS0ozPRmsFbipubbm2ssaAMWQy9hx?



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
December 12,2022

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Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V1D	Valley	1	1	R73871178
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:44 2022 Page 1
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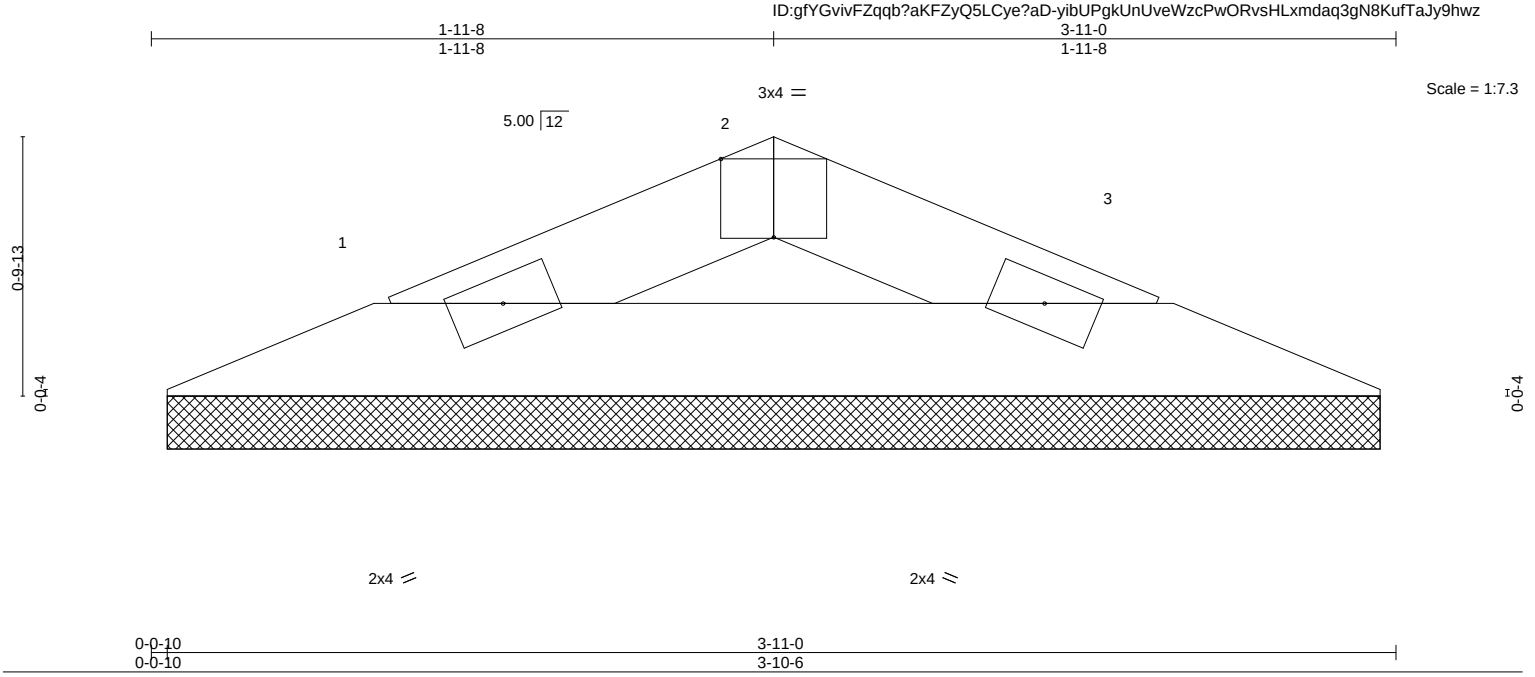

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.03	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 7 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 3-11-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-9-13, 3=3-9-13
Max Horz 1=7(LC 11)
Max Uplift 1=-10(LC 12), 3=-10(LC 12)
Max Grav 1=106(LC 1), 3=106(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
December 12,2022

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 1380
1380	V1K	Valley	1	1	R73871179
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:45 2022 Page 1
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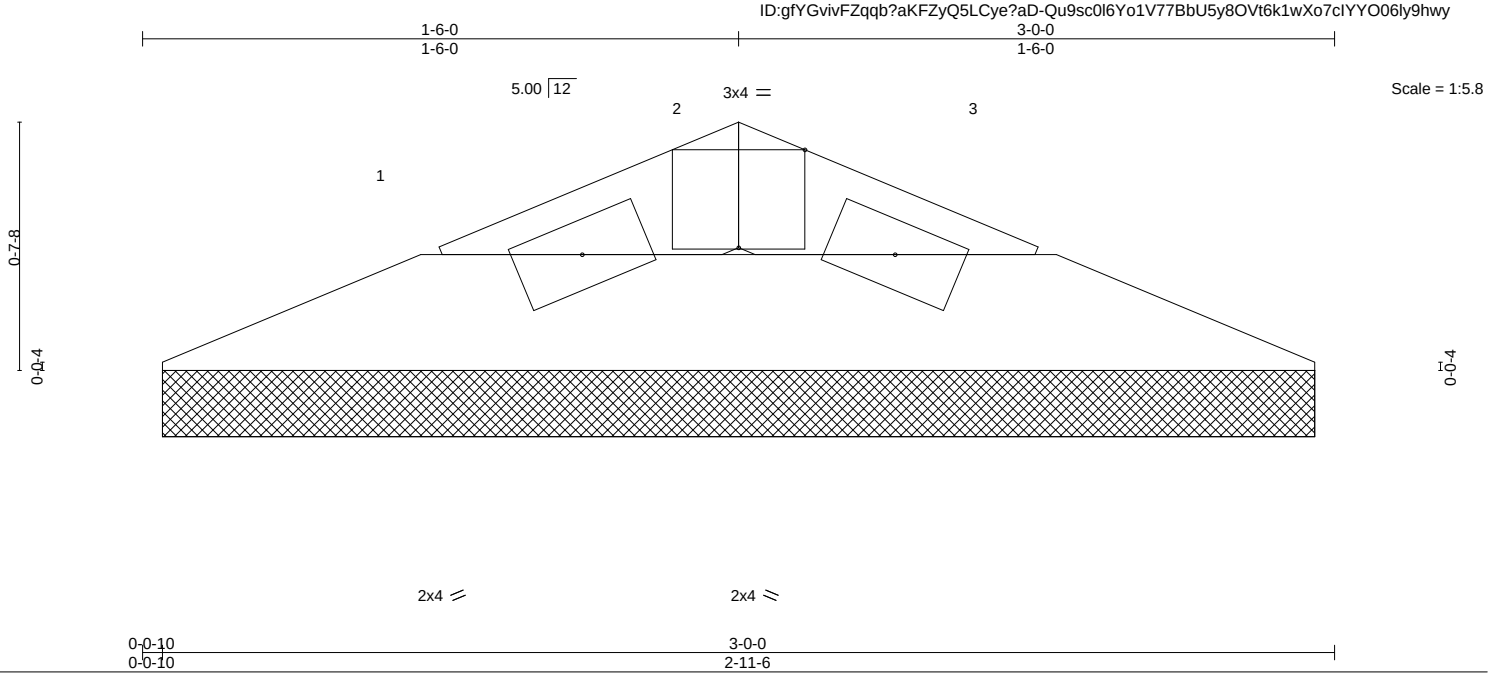

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.01	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	18.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							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 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=2-10-13, 3=2-10-13
Max Horz 1=-5(LC 10)
Max Uplift 1=-6(LC 12), 3=-6(LC 12)
Max Grav 1=66(LC 1), 3=66(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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V1S	Valley	1	1	R73871180
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:46 2022 Page 1
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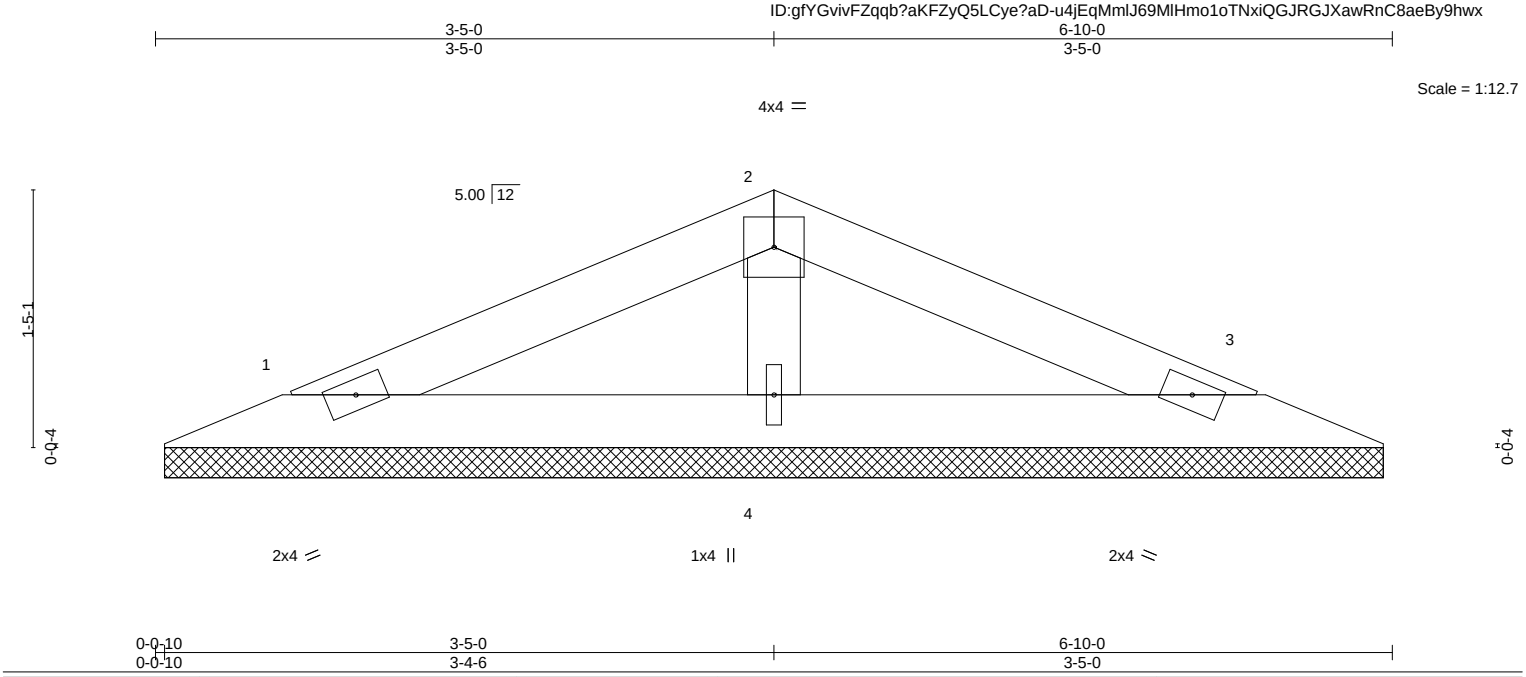

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 15 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=6-8-13, 3=6-8-13, 4=6-8-13
Max Horz 1=16(LC 11)
Max Uplift 1=-20(LC 12), 3=-20(LC 12), 4=-3(LC 12)
Max Grav 1=117(LC 1), 3=117(LC 1), 4=234(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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V2D	Valley	1	1	R73871181
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:47 2022 Page 1
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3-11-8 7-11-0
3-11-8 3-11-8

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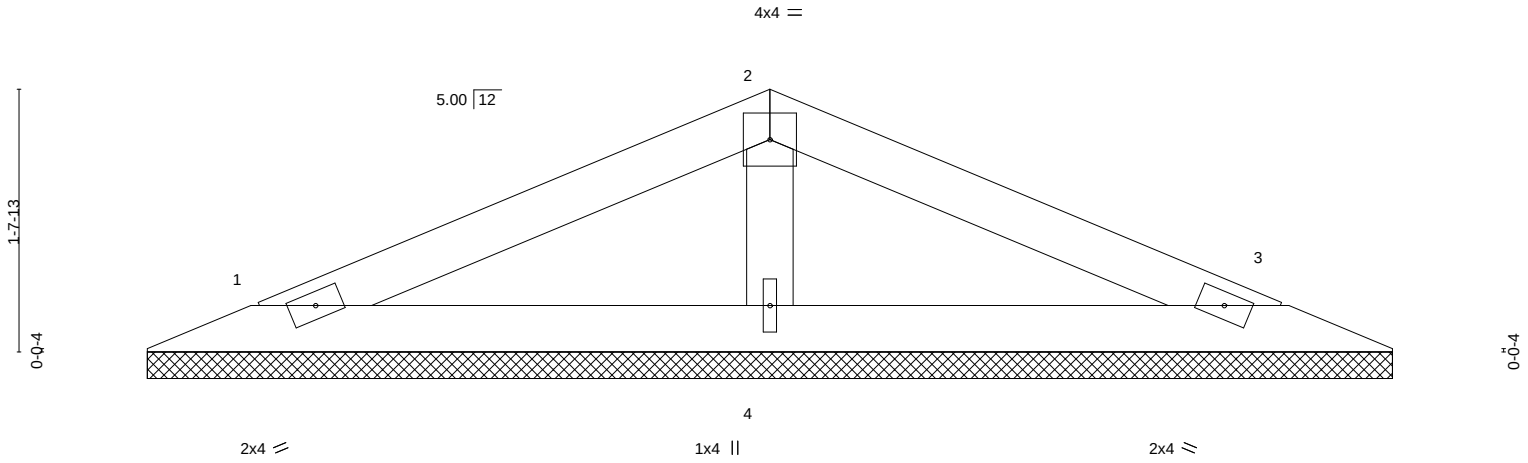

0-0-10 3-11-8 7-11-0
0-0-10 3-10-14 3-11-8

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.07	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: 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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=7-9-13, 3=7-9-13, 4=7-9-13
Max Horz 1=-19(LC 10)
Max Uplift 1=-24(LC 12), 3=-24(LC 12), 4=-4(LC 12)
Max Grav 1=141(LC 1), 3=141(LC 1), 4=282(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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V2K	Valley	1	1	R73871182
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:48 2022 Page 1
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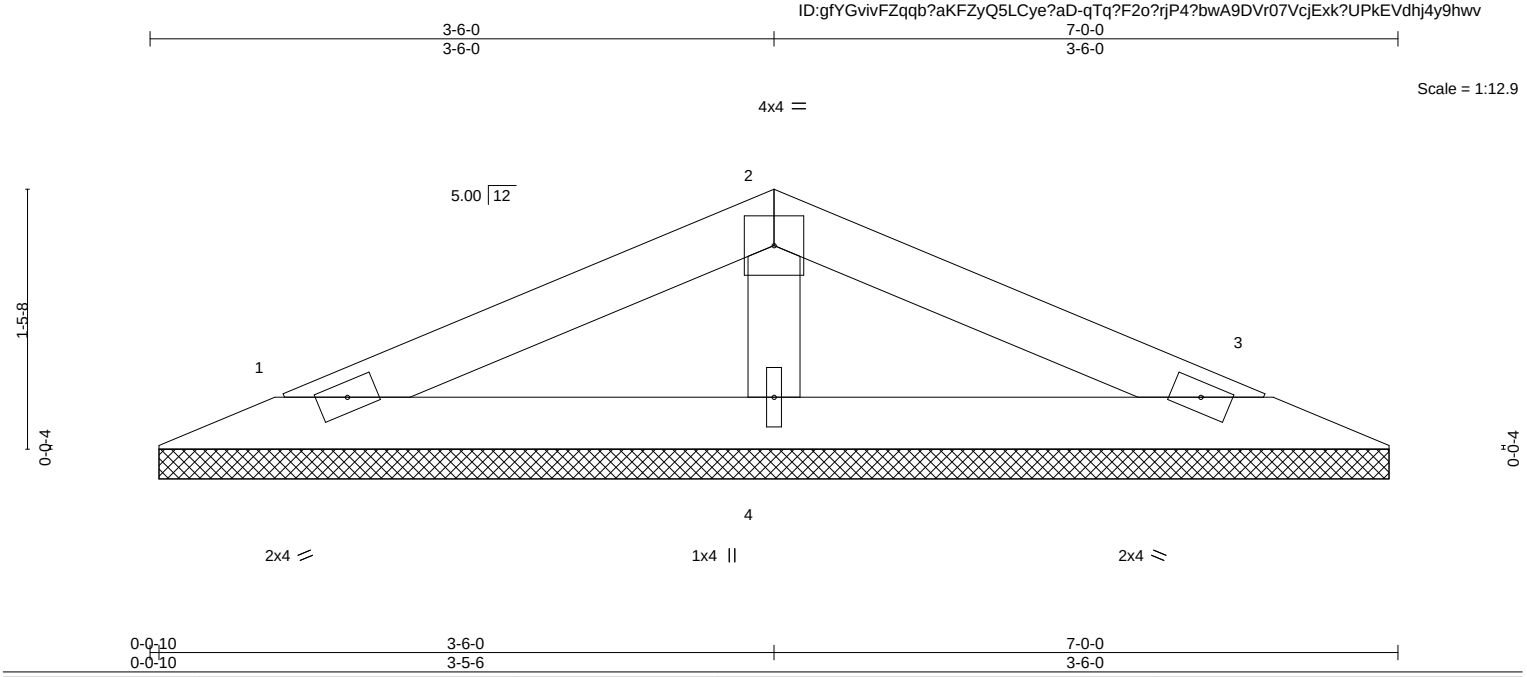

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=6-10-13, 3=6-10-13, 4=6-10-13
Max Horz 1=-16(LC 10)
Max Uplift 1=-20(LC 12), 3=-20(LC 12), 4=-3(LC 12)
Max Grav 1=121(LC 1), 3=121(LC 1), 4=241(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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V2S	Valley	1	1	R73871183
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:49 2022 Page 1
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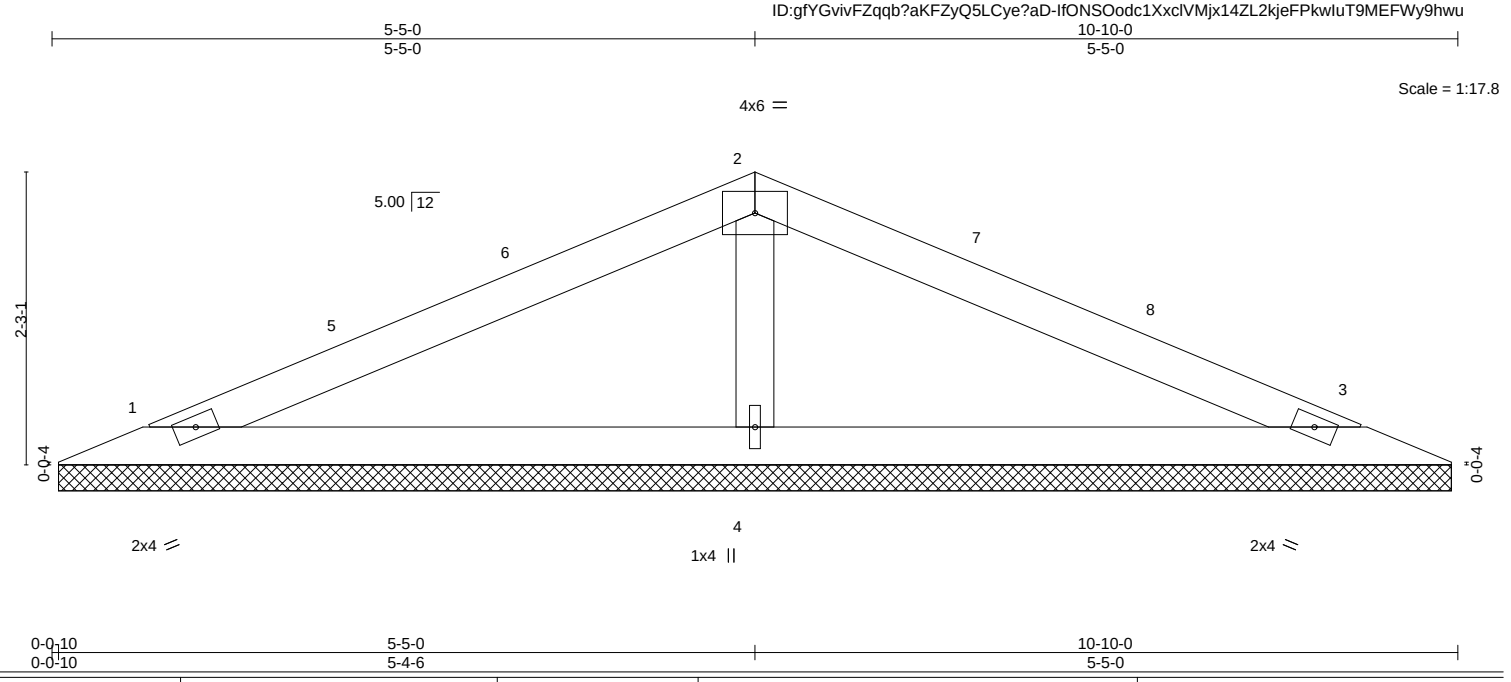

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=10-8-13, 3=10-8-13, 4=10-8-13
Max Horz 1=-28(LC 10)
Max Uplift 1=-26(LC 12), 3=-26(LC 12), 4=-24(LC 12)
Max Grav 1=186(LC 23), 3=186(LC 24), 4=455(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-315/196

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 5-5-0, Exterior(2R) 5-5-0 to 8-5-0, Interior(1) 8-5-0 to 10-0-15 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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V3D	Valley	1	1	R73871184
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:50 2022 Page 1
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5-11-8 11-11-0
5-11-8 5-11-8

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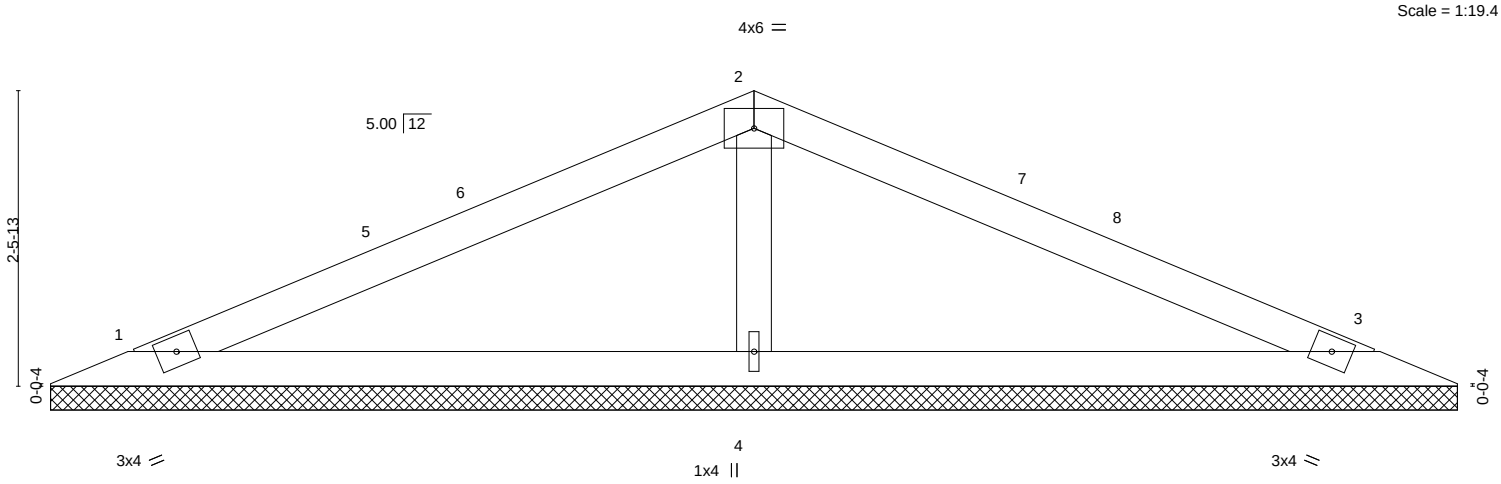

0-0-10 5-11-8 11-11-0
0-0-10 5-10-14 5-11-8

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	0.26	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.19	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: 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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=11-9-13, 3=11-9-13, 4=11-9-13
Max Horz 1=31(LC 11)
Max Uplift 1=-28(LC 12), 3=-28(LC 12), 4=-27(LC 12)
Max Grav 1=207(LC 23), 3=207(LC 24), 4=507(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-351/203

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 5-11-8, Exterior(2R) 5-11-8 to 8-11-8, Interior(1) 8-11-8 to 11-1-15 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
December 12,2022

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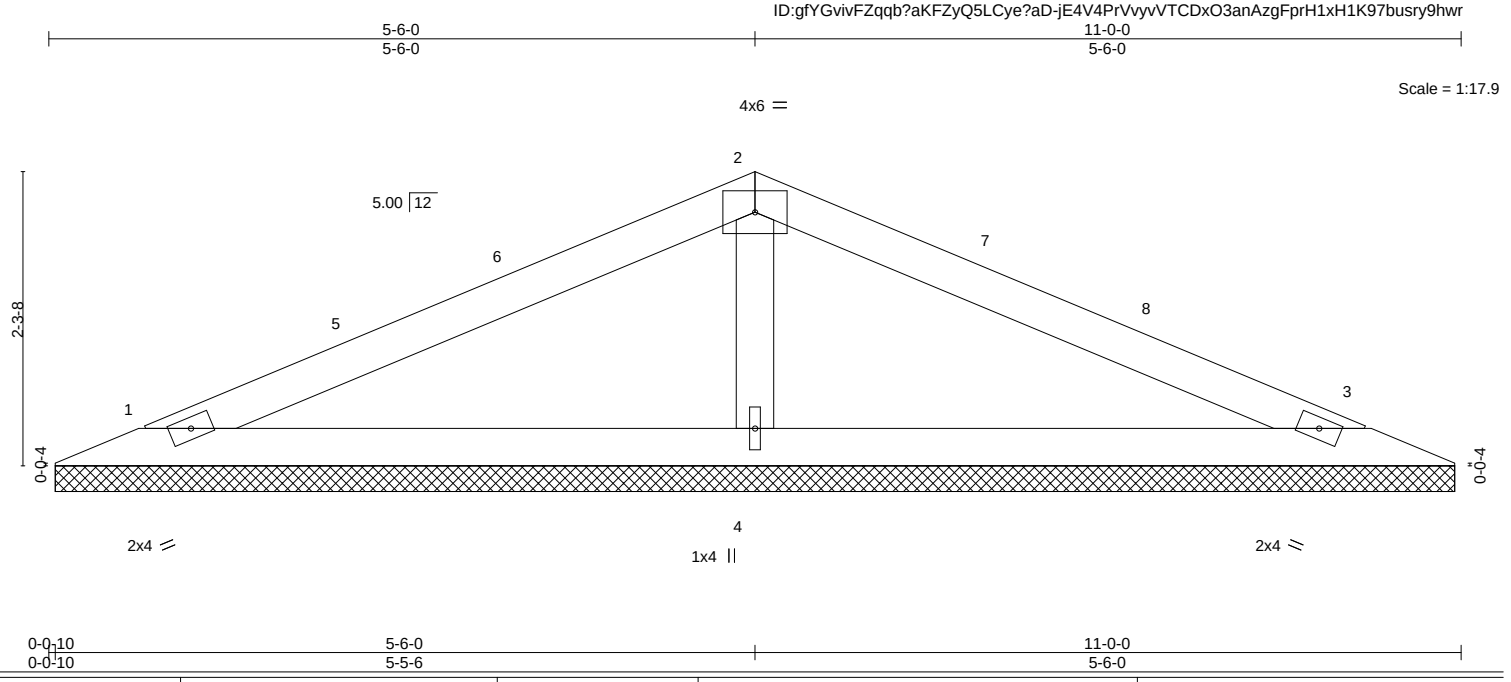
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V3K	Valley	1	1	R73871185
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:52 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-jE4V4PrVvyvVTCDxO3anAzgFprH1xH1K97busry9hwr



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	0.21	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.16	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: 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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=10-10-13, 3=10-10-13, 4=10-10-13
Max Horz 1=-28(LC 10)
Max Uplift 1=-26(LC 12), 3=-26(LC 12), 4=-25(LC 12)
Max Grav 1=189(LC 23), 3=189(LC 24), 4=463(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-320/197

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 5-6-0, Exterior(2R) 5-6-0 to 8-6-0, Interior(1) 8-6-0 to 10-2-15 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
December 12,2022

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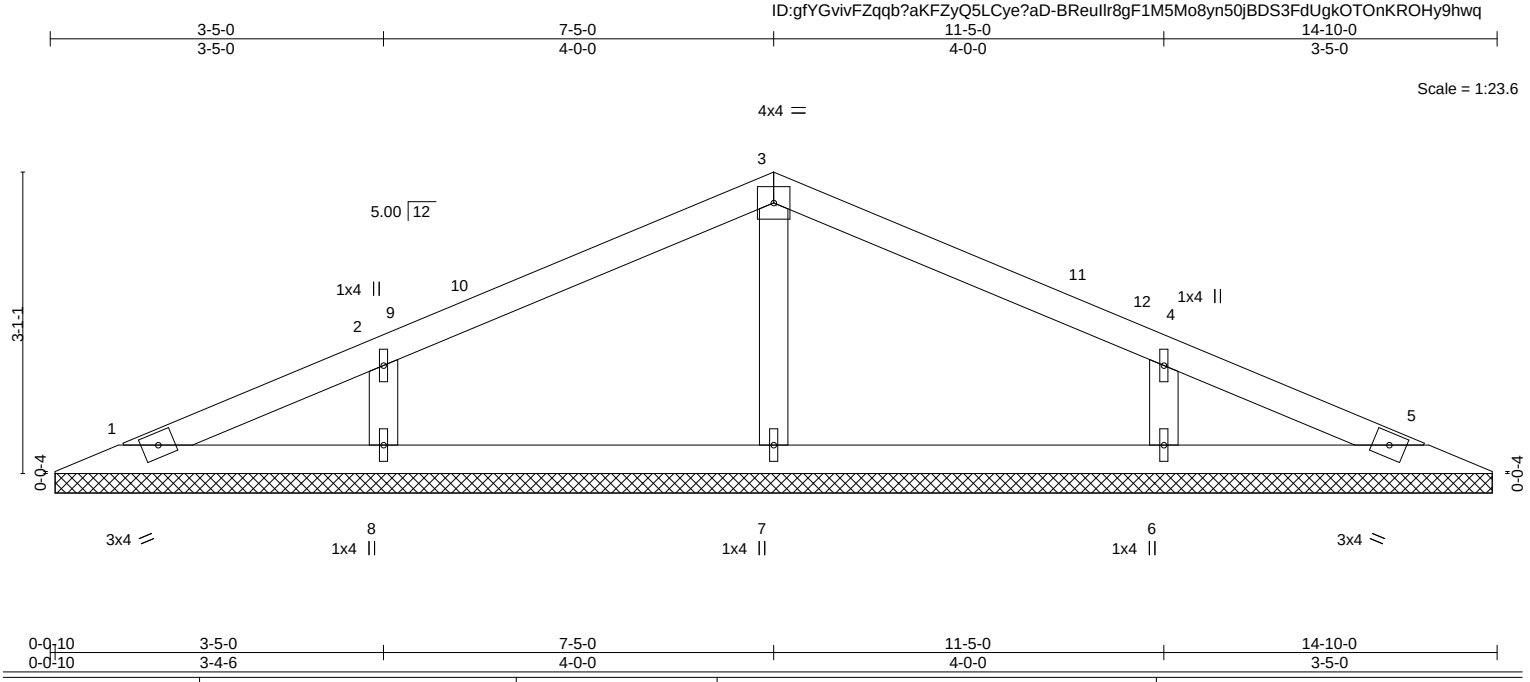
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V3S	Valley	1	1	R73871186

Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:53 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-BReuIlr8gF1M5Mo8yn50jBDS3FdUgkOTOnKROHy9hwq



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: 38 lb	FT = 20%

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

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

REACTIONS. All bearings 14-8-13.
(lb) - Max Horz 1=40(LC 11)
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=349(LC 23), 7=316(LC 1), 6=349(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-274/179, 4-6=-274/179

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 7-5-0, Exterior(2R) 7-5-0 to 10-5-0, Interior(1) 10-5-0 to 14-0-15 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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V4D	Valley	1	1	R73871187
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:54 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-fdCGV5smQZ9DjWNKVUcGFOlcefzoPBeddR4?wky9hwp

3-11-8 | 7-11-8 | 11-11-8 | 15-11-0
3-11-8 | 4-0-0 | 4-0-0 | 3-11-8

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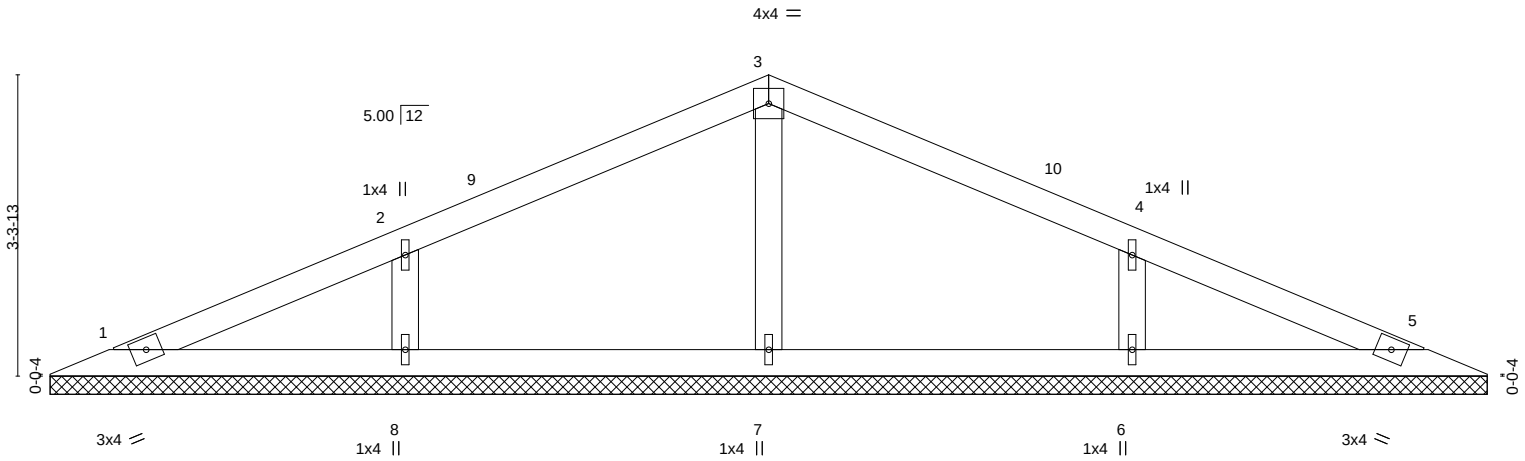

0-0-10 | 3-11-8 | 7-11-8 | 11-11-8 | 15-11-0
0-0-10 | 3-10-14 | 4-0-0 | 4-0-0 | 3-11-8

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.07	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: 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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-9-13.
(lb) - Max Horz 1=-43(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=374(LC 23), 7=307(LC 1), 6=374(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-290/179, 4-6=-290/179

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 3-11-8, Interior(1) 3-11-8 to 7-11-8, Exterior(2R) 7-11-8 to 10-11-8, Interior(1) 10-11-8 to 15-1-15 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
December 12,2022

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

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V4K	Valley	1	1	R73871188

Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:56 2022 Page 1

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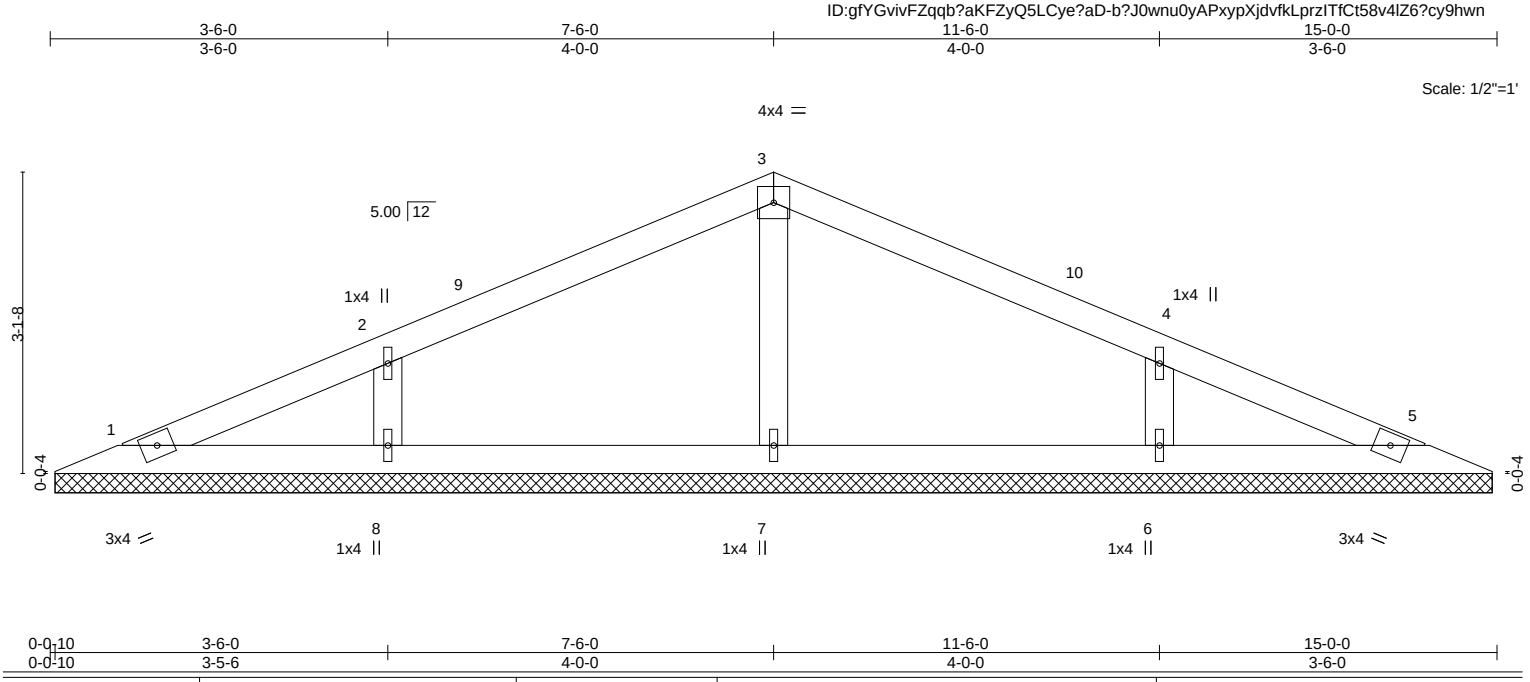

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 39 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 14-10-13.
(lb) - Max Horz 1=40(LC 11)
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=352(LC 23), 7=315(LC 1), 6=352(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-276/179, 4-6=-276/179

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-6-0, Interior(1) 3-6-0 to 7-6-0, Exterior(2R) 7-6-0 to 10-6-0, Interior(1) 10-6-0 to 14-2-15 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
December 12,2022

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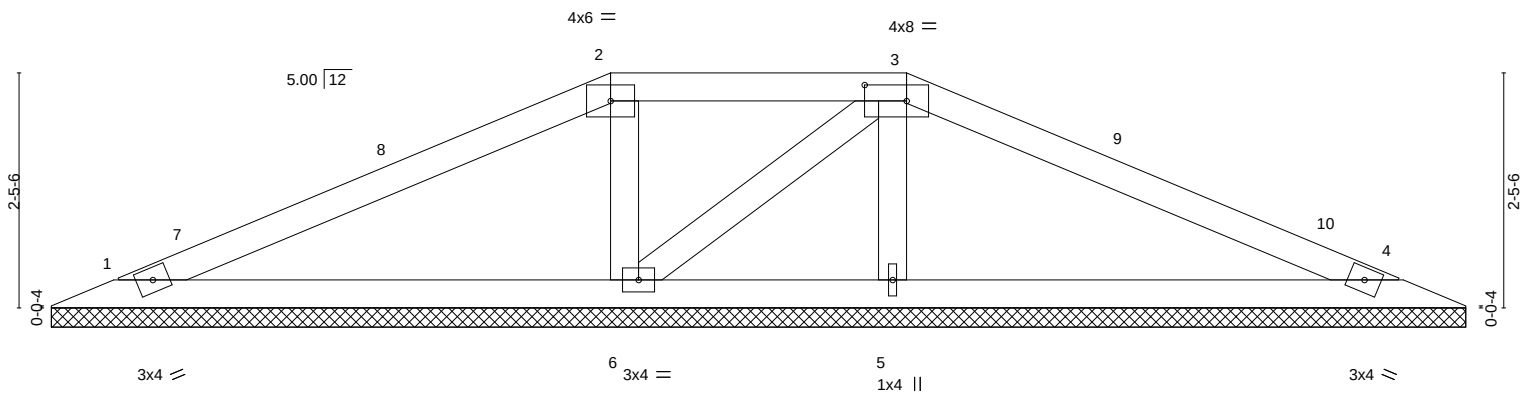
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V4S	Valley	1	1	R73871189
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:57 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-3CtO77vejUXoaz6vBcAzt1N5rs_0cYV3JPIfX2y9hwm

5-10-8 | 8-11-8 | 14-10-0
5-10-8 | 3-1-0 | 5-10-8

Scale: 1/2"=1'



0-0-10 | 5-10-8 | 8-11-8 | 14-10-0
0-0-10 | 5-9-14 | 3-1-0 | 5-10-8

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

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	0.26	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 41 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 14-8-13.
(lb) - Max Horz 1=31(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 4, 6, 5
Max Grav All reactions 250 lb or less at joint(s) 1, 4 except 6=412(LC 23), 5=358(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-294/152, 3-5=-255/119

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=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 5-10-8, Exterior(2E) 5-10-8 to 8-11-8, Exterior(2R) 8-11-8 to 13-2-7, Interior(1) 13-2-7 to 14-0-15 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, 4, 6, 5.
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
December 12,2022

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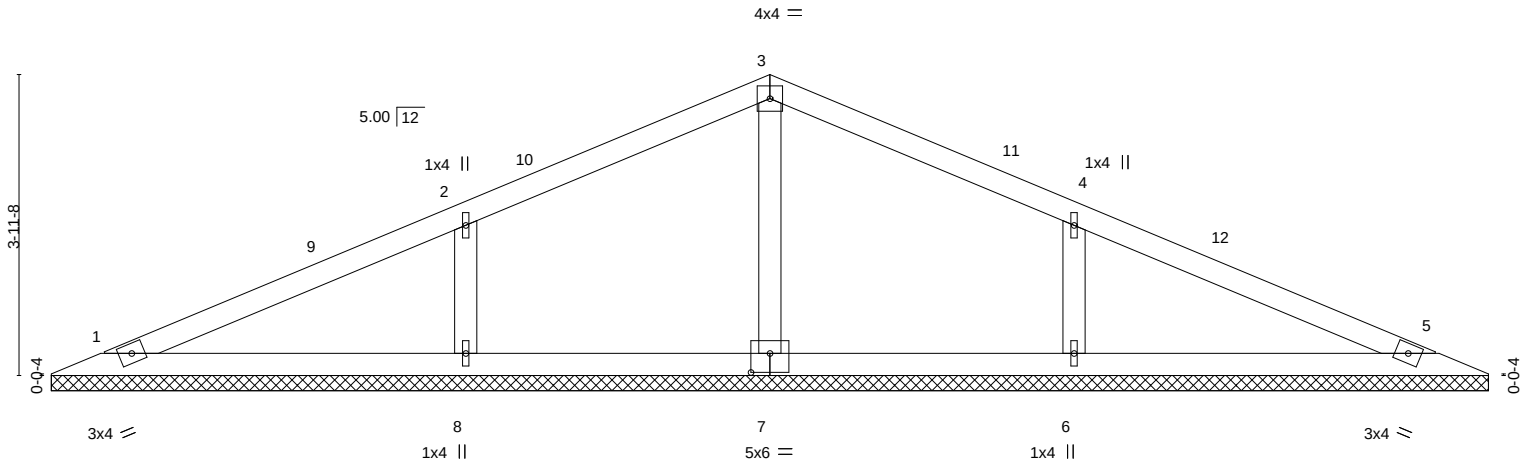
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V5K	Valley	1	1	R73871190
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:58 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-XORnLTvGUoffB7h5kKhCQEwHVGLxL?YCY32C3Vy9hwl

5-6-0 9-6-0 13-6-0 19-0-0
5-6-0 4-0-0 4-0-0 5-6-0

Scale = 1:30.3



0-0-10 5-6-0 9-6-0 13-6-0 19-0-0
0-0-10 5-5-6 4-0-0 4-0-0 5-6-0

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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.12	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: 51 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 18-10-13.
(lb) - Max Horz 1=-52(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=469(LC 23), 7=258(LC 1), 6=469(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-355/190, 4-6=-355/190

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 9-6-0, Exterior(2R) 9-6-0 to 12-6-0, Interior(1) 12-6-0 to 18-2-15 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
December 12,2022

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

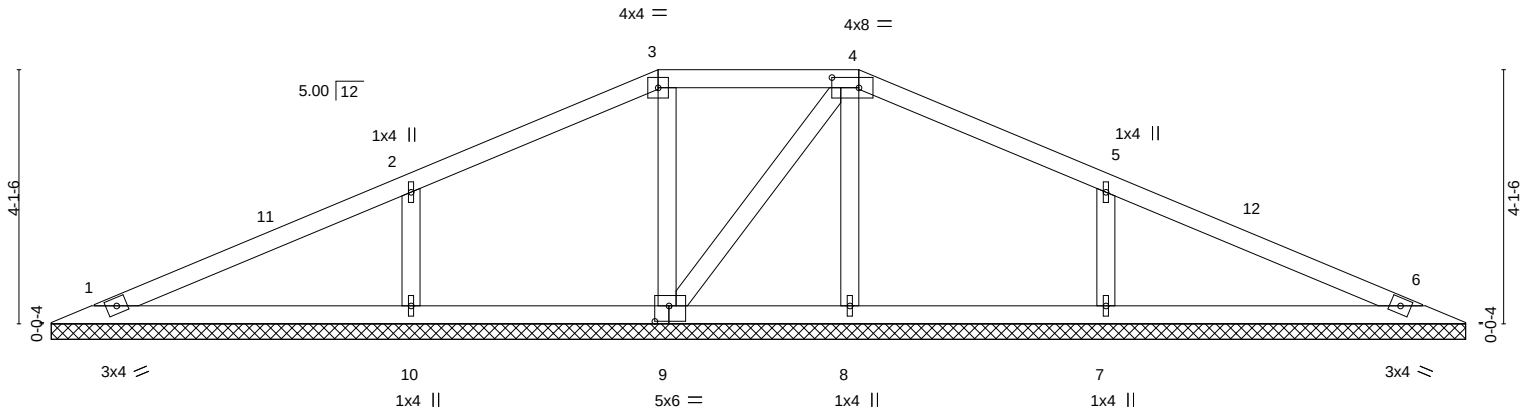
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V6K	Valley	1	1	R73871191
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:23:59 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-0a?9YowuF5oWpHGHI1CRySTSngfp4RkMmjnmcxy9hwk

5-10-8	9-10-8	13-1-8	17-1-8	23-0-0
5-10-8	4-0-0	3-3-0	4-0-0	5-10-8

Scale = 1:37.3



0-0-10	5-10-8	9-10-8	13-1-8	17-1-8	23-0-0
0-0-10	5-9-14	4-0-0	3-3-0	4-0-0	5-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	16.0	Plate Grip DOL	1.25	TC	0.23	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: 70 lb	FT = 20%

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

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

REACTIONS. All bearings 22-10-13.
(lb) - Max Horz 1=54(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 10, 7, 9
Max Grav All reactions 250 lb or less at joint(s) 1, 6, 8 except 10=493(LC 1), 7=492(LC 1), 9=315(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-10=-370/156, 5-7=-370/156

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 13-1-8, Exterior(2R) 13-1-8 to 17-1-8, Interior(1) 17-1-8 to 22-2-15 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, 9.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 12/31/2024
December 12,2022

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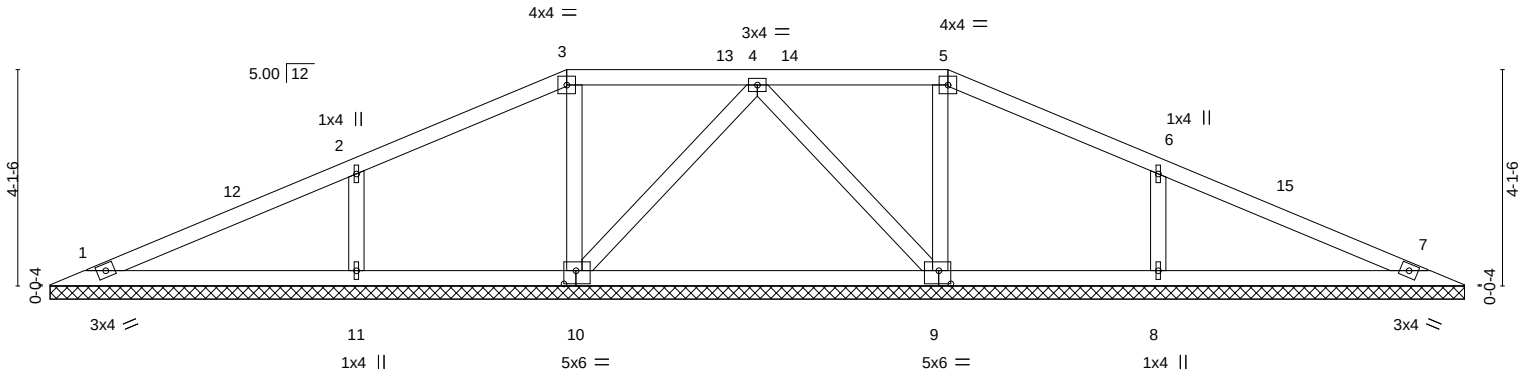
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	KB Home 1380
1380	V7K	Valley	1	1	R73871192
					Job Reference (optional)

US Components, Tucson, AZ - 85713, 8.430 s Jan 6 2022 MiTek Industries, Inc. Mon Dec 12 13:24:01 2022 Page 1
ID:gfYGvivFZqqb?aKFZyQ5LCye?aD-yz7vzUy9nj2E2bPgQSEv2tYoGUKOYLtfE1Gtgqy9hwi

5-10-8	9-10-8	13-6-0	17-1-8	21-1-8	27-0-0
5-10-8	4-0-0	3-7-8	3-7-8	4-0-0	5-10-8

Scale = 1:43.8



0-0-10	5-10-8	9-10-8	17-1-8	21-1-8	27-0-0
0-0-10	5-9-14	4-0-0	7-3-0	4-0-0	5-10-8

Plate Offsets (X,Y)-- [9:0-2-12,0-3-0], [10:0-2-12,0-3-0]

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	0.23	Vert(LL)	n/a	-	n/a	999	MT20	185/144
TCDL	18.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 9-10.

REACTIONS. All bearings 26-10-13.
(lb) - Max Horz 1=-57(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 11, 10, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=477(LC 23), 10=462(LC 23), 9=462(LC 24), 8=477(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-11=-371/153, 6-8=-371/153

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=27ft; 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 17-1-8, Exterior(2R) 17-1-8 to 21-1-8, Interior(1) 21-1-8 to 26-2-15 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, 11, 10, 9, 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.

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December 12,2022

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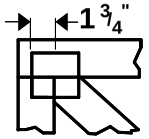
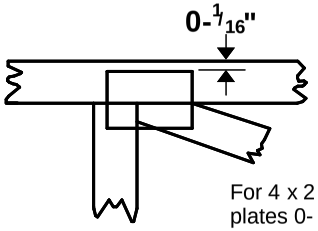
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

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.

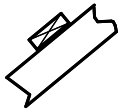
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

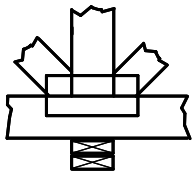
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

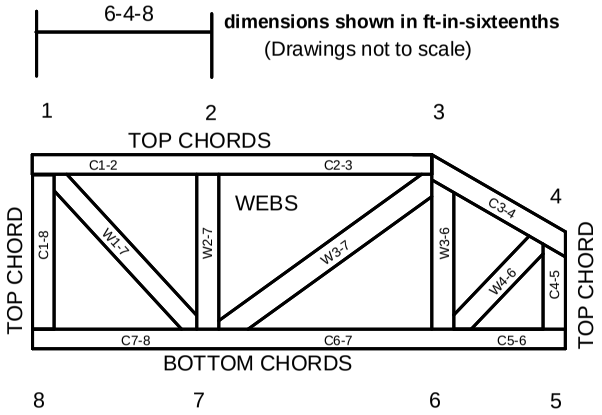


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.