

MiTek USA, Inc. 16023 Swingley Ridge Rd Chesterfield, MO 63017 314-434-1200

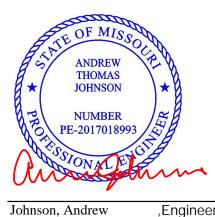
Re: 2630568 Summit/woodside ridge #42/mo

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Valley Center).

Pages or sheets covered by this seal: I44692848 thru I44692897

My license renewal date for the state of Missouri is December 31, 2021.

Missouri COA: Engineering 001193



February 5,2021

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.

,Engineer

Job	Tru	SS	Truss Type	Qty	Ply Su	ummit/woodside ridge #42/	mo I44692848
2630568	A1		HIP GIRDER	1		b Reference (optional)	
	ource (Valley Cen	ter), Valley Center, k	S - 67147, 16-1-0 1 19-10-5	ID:b0jcEzO0th2M/ 23-7-11 1 27-5-0			nc. Fri Feb 5 10:22:49 2021 Page 1 p6PJJB2YYEW3BGJgKolbCOzoDIa 40-11-13 44-0-0 44-10 ₁ 8
-0 <u>-10-</u> 0-10-8	8 4-3-8 6 3 4-3-8 1	-8-8 5-0-8	5-0-8 3-9-5	<u>3-9-5</u> <u>3-9-5</u>	3-4-12	3-4-12 3-9-8	2-11-13 3-0-3 0-10-8
							Scale = 1:79.7
	0						
6.	00 40	5x6 =	· · · · · · · · · · · · · · · · · · ·	4x8 = = 3x6 = 2		I Special Special 6 = 4x6 =	6x6 =
	00 12 3x4 ≠ 3	Special 4 37 38 5	3 Special 344 11 444 39 40 41 6 42 7		10 ₄₄ 45 ′		0x0 — 13 ⊕t 3x4 ≈ т
4 0							14
3-7-4 3-5-9 1 7						20	
4-Z-0	30 6x	c — ⁴⁸ ⁴⁹	26 25	52 24 54 55	56 57 ²	21 58	18 17
4	x6 =	3x4 = NAILED 3x4	$= 5x12 = \frac{20}{52} 52 \frac{23}{52}$ NAILED 2x4 3x8	$= \frac{53}{1000} \frac{24}{3x4} \frac{54}{50} \frac{55}{2}$	$23_{5x12} = 4$ x ⁴ NAILED		4x8 = 2x4 4x6
-	3.00 12	Special	AILED Special LUS24 LUS		NAILED	5x12 = Sp NAILED NAILED	pecial
						LUS24	
	4-3-8 1	6-0-0 11-0-8 -8-8 5-0-8	15-8-8 16-1-0 19-10-5 4-8-0 0-4-8 3-9-5		27 <u>-9-8 30-9-12</u> 0-4-8 3-0-4	34-2-8 38-0-0 3-4-12 3-9-8	40-11-13 44-0-0 2-11-13 3-0-3
LOADING (ps			15:0-0-3,0-5-0], [15:0-0-1,0-0-3]				
TCLL (roof)	25.0	SPACING- Plate Grip DOL	2-0-0 CSI. 1.15 TC 0.	78 DEFL. Vert(LL)		bc) I/defl L/d 29 >999 240	PLATES GRIP MT20 197/144
Snow (Pf/Pg) TCDL	20.0	Lumber DOL Rep Stress Incr	1.15 BC 0. NO WB 0.			29 >999 180 15 n/a n/a	
BCLL BCDL	0.0 10.0	Code IRC2018/			,		Weight: 389 lb FT = 20%
LUMBER- TOP CHORD	2x4 SPF No.2			BRACING- TOP CHORD	Structural w	rood sheathing directly a	pplied or 6-0-0 oc purlins, except
BOT CHORD	2x4 SPF No.2 *				2-0-0 oc pu	rlins (6-0-0 max.): 4-13.	
WEBS	2-30: 2x6 SPF 2x4 SPF No.2	N0.2		BOT CHORD		g directly applied or 10-0- acing: 25-26,24-25,23-24	
WEDGE Right: 2x4 SPI	F No.2						
REACTIONS.	All bearings 0						
(lb) ·		uplift 100 lb or less at jo	int(s) except 2=-351(LC 12), 27=	=-952(LC 12),			
		=-947(LC 13), 15=-399(L reactions 250 lb or less	.C 13) at joint(s) except 2=1509(LC 37), 27=3868(LC			
	36),	22=3949(LC 36), 15=10	684(LC 37)				
FORCES. (III: TOP CHORD			0 (lb) or less except when showr 1935/518, 5-6=-499/2049, 6-7=-				
	7-9=-85/411,		-492/2251, 11-12=-1003/296, 12				
BOT CHORD	2-30=-836/32	61, 29-30=-808/3153, 2	3-29=-712/2801, 27-28=-441/192 2=-624/188, 21-22=-203/1003, 2				
WEBS	12-20=-88/57	6, 18-19=-62/268, 17-18	=-517/2223, 15-17=-517/2223				
WEBS	5-27=-4313/1	100, 25-27=-417/171, 7-	-249/1043, 4-28=-1125/296, 5-2 27=-2068/525, 7-25=-187/872, 9	9-24=-186/869,			
			22=-3818/924, 11-21=-251/122 3-18=-177/614, 14-18=-301/281	b, 12-21=-2268/563,			STE OF MISSOL
NOTES-						B	ATH OCA
Top chords	connected as fol	ogether with 10d (0.131 llows: 2x4 - 1 row at 0-9-	0 oc.			8	ANDREW THOMAS
		s follows: 2x6 - 2 rows st 2x4 - 1 row at 0-9-0 oc.	aggered at 0-9-0 oc, 2x4 - 1 row	at 0-4-0 oc.		A.	JOHNSON +
			except if noted as front (F) or bac / loads noted as (F) or (B), unles		CASE(S) secti	on. Ply to	NUMBER
3) Unbalanced	d roof live loads h	ave been considered for			Exp C: Enclose	ed:	NUMBER PE-2017018993
	nvelope) gable ei		nd right exposed ; end vertical le			60 plate	THE NOTE
5) TCLL: ASC	E 7-16; Pr=25.0		.15 Plate DOL=1.15); Pg=20.0 p 1.0; Cs=1.00; Ct=1.10, Lu=50-0			ed	ESSIONAL ENGLE
surfaces with	th slopes less that	an 0.500/12 in accordance e been considered for th	ce with IBC 1608.3.4.				February 5,2021
	- 5		THIS AND INCLUDED MITEK REFERENCE				
Design vali a truss sys	d for use only with Mi tem. Before use, the b	Tek® connectors. This design building designer must verify th	s based only upon parameters shown, and e applicability of design parameters and p	nd is for an individual building c properly incorporate this design	omponent, not into the overall		
building de is always re	sign. Bracing indicate equired for stability an	ed is to prevent buckling of indi	vidual truss web and/or chord members of sible personal injury and property damage	nly. Additional temporary and	permanent bracin ing the	-	MiTek [®] 16023 Swingley Ridge Rd
			Crain Highway, Suite 203 Waldorf, MD 20		. Soor Building (ipononi	Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692848
2630568	A1	HIP GIRDER	1	2	Job Reference (optional)
Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,			ar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:22:50 2021 Page 2

ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-IkmZF3dFoZDUTZxeNpwYrPbjlesIwjZpZS19kqzoDIZ

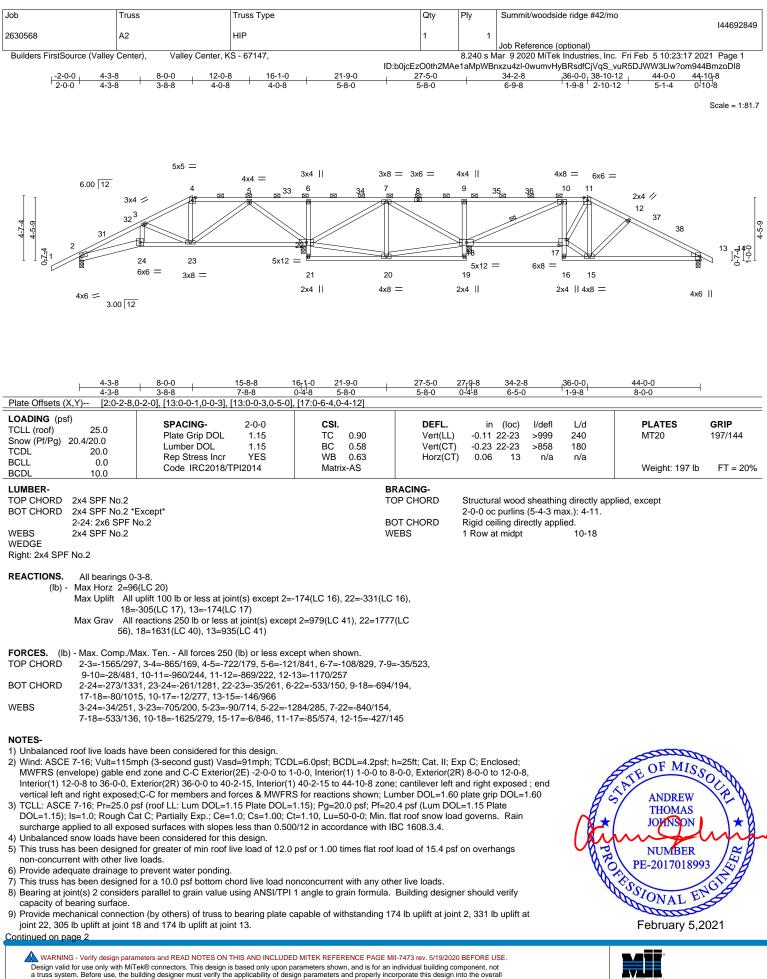
NOTES-

- 7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 8) Provide adequate drainage to prevent water ponding.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 10) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 2, 952 lb uplift at joint 27, 947 lb uplift at joint 22 and 399 lb uplift at joint 15.
- 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 10-0-0 oc max. starting at 18-0-12 from the left end to 36-0-12 to connect truss(es) to front face of bottom chord.
- 15) Fill all nail holes where hanger is in contact with lumber.
- 16) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 281 lb down and 131 lb up at 6-0-0, 281 lb down and 131 lb up at 8-0-12, 281 lb down and 131 lb up at 10-0-12, 281 lb down and 131 lb up at 12-0-12, 281 lb down and 131 lb up at 14-0-12, 281 lb down and 131 lb up at 28-0-12, 281 Ib down and 131 lb up at 30-0-12, and 281 lb down and 131 lb up at 32-0-12, and 281 lb down and 131 lb up at 34-0-12 on top chord, and 534 lb down and 185 lb up at 6-0-0, and 347 lb down and 102 lb up at 16-2-12, and 880 lb down and 284 lb up at 37-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf)
- Vert: 1-4=-71, 4-13=-81, 13-16=-71, 30-31=-20, 27-30=-20, 23-26=-20, 20-22=-20, 19-34=-20 Concentrated Loads (lb)
 - Vert: 4=-254(F) 27=-347(F) 12=-250(F) 29=-534(F) 25=-347(F) 18=-880(F) 37=-250(F) 38=-250(F) 39=-250(F) 41=-250(F) 44=-250(F) 45=-250(F) 47=-250(F) 45=-250(F) 45=-25 52=-347(F) 53=-347(F) 54=-347(F) 55=-347(F) 59=-347(F)







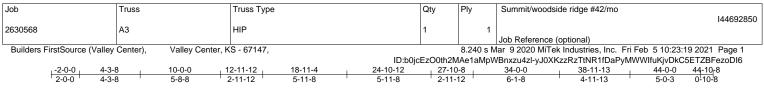
[Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo		
	2630568	A2	HIP	1	1	144692849		
	2030306	A2		1		Job Reference (optional)		
	Builders FirstSource (Valley Center), Valley Center, KS - 67147,				8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:17 2021 Page 2			
	II				e1aMpWBr	nxzu4zI-0wumvHyBRsdfCjVqS_vuR5DJWW3LIw?om944BmzoDI8		

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.

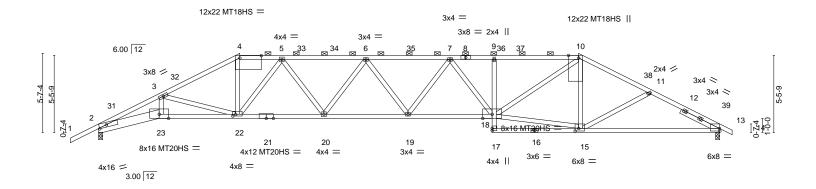
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.







16023 Swingley Ridge Rd Chesterfield, MO 63017

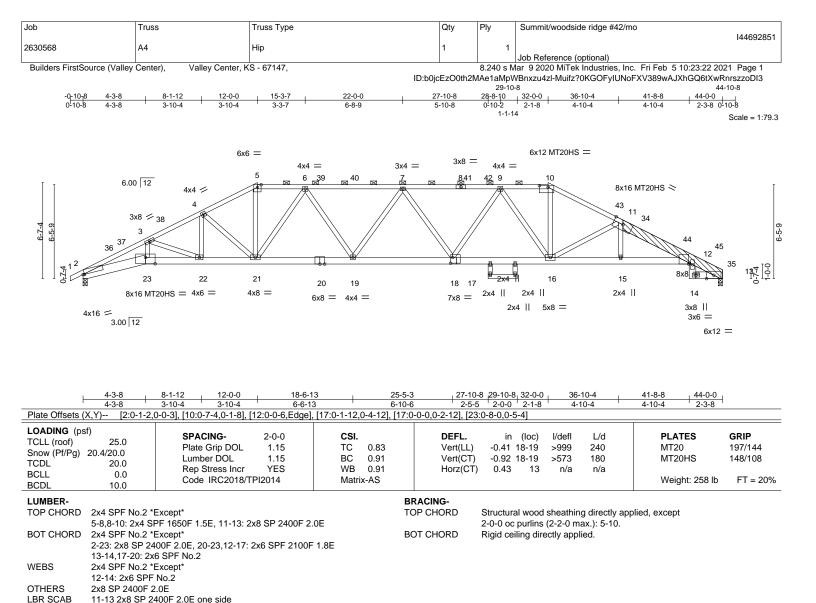


	<u>4-3-8</u> 4-3-8	10-0-0	<u>15-11-8</u> 5-11-8	21-11-0	27-10-8	34-0-0		<u>44-0-0</u> 10-0-0	
Plate Offsets (X		5-8-8)-2-0], [4:1-6-4,0-2-0], [10-0-0	
LOADING (psf)				, <u></u> , <u></u>		.,			
TCLL (roof)	25.0	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/def		PLATES	GRIP
Snow (Pf/Pg) 2		Plate Grip DOL	1.15	TC 0.91	Vert(LL)	-0.52 19 >999		MT20	197/144
TCDL	20.0	Lumber DOL	1.15	BC 0.70	Vert(CT)	-1.12 18-19 >470	180	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	YES	WB 0.97	Horz(CT)	0.41 13 n/a	ı n/a	MT18HS	197/144
BCDL	10.0	Code IRC2018/	TPI2014	Matrix-AS				Weight: 213 lb	FT = 20%
	1010								
LUMBER-					BRACING-	Other a transformed a start a start a	the second second second	-Red	
TOP CHORD					TOP CHORD	Structural wood sheath		plied, except	
		No.2, 8-10: 2x4 SP 24	00F 2.0E			2-0-0 oc purlins (2-0-9			
BOT CHORD					BOT CHORD	Rigid ceiling directly ap	opilea.		
	2-23: 2x8 SP 24 2x4 SPF No.2	00F 2.0E, 9-17,16-17:	2X4 SPF N0.2						
	Right 2x4 SPF No.2	0 2 2 0 0							
SLIDER	RIGHT 2X4 SPF I	10.2 3-0-0							
REACTIONS.	(size) 2=0-	3-8 13-0-3-8							
	Max Horz 2=11								
		93(LC 16), 13=-368(LC	: 17)						
		95(LC 2), 13=2501(LC							
		(),(_/						
FORCES. (lb)	- Max. Comp./M	ax. Ten All forces 25	0 (lb) or less exc	ept when shown.					
TOP CHORD	2-3=-7070/102	3, 3-4=-5034/710, 4-5=	=-4404/672, 5-6=	-6043/869, 6-7=-6605/	/932,				
	7-9=-6105/877	, 9-10=-6085/881, 10- ⁻	11=-4029/587, 11	-13=-4208/642					
BOT CHORD	2-23=-949/634	2, 22-23=-924/6149, 2	0-22=-739/5445,	19-20=-897/6573, 18-	19=-862/6529,				
	9-18=-542/14	3, 15-17=-36/301, 13-1	5=-480/3669						
WEBS	3-23=-111/108	0, 3-22=-1760/381, 4-2	22=-240/1959, 15	5-18=-377/3350, 10-18	=-483/3028,				
	10-15=-469/16	2, 11-15=-309/166, 5-2	22=-1743/337, 5-	20=-149/1030, 6-20=-9	911/213,				
	7-18=-708/162								
NOTES-									
		we been considered fo							
		ph (3-second gust) Va						June	
		d zone and C-C Exterio						THE OF MISS	Sh.
		Exterior(2R) 34-0-0 to 3					4	A THE OU	N.O.
DOL=1.60	en and right expo	osed;C-C for members	and lorces & IVIV	VFRS for reactions sho	wh; Lumber DOL=	1.60 plate grip	H	N	Ne
	7 16: Dr 25 0 p	sf (roof LL: Lum DOL=		1 15), Da 20 0 pof: Df	20.4 pof /Lum DOI	1 15 Dioto	Bo	ANDREW	1:00
		at C; Partially Exp.; Ce=					A	THOMAS	N N
		sed surfaces with slope				u governs. Rain	/ 🛚 🖈	JOHNSON	\★Ŋ
		been considered for th			1100 1000.3.4.			A A A A A A	1 ah das
,		for greater of min roof	0	nsf or 1 00 times flat r	of load of 15.4 nsf	on overhands		NUCLDED	J~h
	ent with other live		1100 1000 01 12.0		501 10dd 01 10.4 p31	on overhangs	27	NOWIBER	IS ALL ST
		prevent water ponding	r				N.C	PE-201701899	3/24
		less otherwise indicate					N.	NUMBER PE-201701899 FRSSIONAL E	NO H
8) The Fabricati							Y	NºSI TH	NA
		for a 10.0 psf bottom of	chord live load no	nconcurrent with any	other live loads.			WAL P	E C
10) Bearing at jo	oint(s) 2 conside	rs parallel to grain valu	e using ANSI/TP	I 1 angle to grain form	ula. Building desigi	ner should verify		Course	
	bearing surface.		5		5 0	•		February 5,2	2021
Continued on page	•							· · , - ,-	
	0								
	6 - Verify design parar	neters and READ NOTES ON	THIS AND INCLUDE	D MITEK REFERENCE PAGE	E MII-7473 rev. 5/19/2020	BEFORE USE.			

[Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
						144692850
	2630568	A3	HIP	1	1	
						Job Reference (optional)
	Builders FirstSource (Valley Center), Valley Center, KS - 67147,				8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:19 2021 Page 2
					IAe1aMpW	/Bnxzu4zl-yJ0XKzzRzTtNR1fDaPyMWWIfuKjvDkC5ETZBFezoDI6

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 393 lb uplift at joint 2 and 368 lb uplift at joint 13.
 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 design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the
- bottom chord. 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.





- 12-14=-80/612, 3-23=-127/985, 5-21=-228/1796, 10-16=-196/1752, 11-16=-1437/301, 6-21=-1401/286, 6-19=-110/638, 7-19=-481/182, 7-18=-497/184, 9-18=-112/653,
 - 9-16=-1411/287, 11-15=0/260, 4-21=-1117/254, 4-22=-108/769, 3-22=-1386/293

2-3=-7138/1052, 3-4=-5531/806, 4-5=-4655/682, 5-6=-4072/633, 6-7=-5034/679, 7-9=-5024/670, 9-10=-4049/610, 10-11=-4669/649, 11-12=-5730/784, 12-13=-1294/207

2-23=-994/6395, 22-23=-962/6200, 21-22=-689/4912, 19-21=-597/4740, 18-19=-660/5275,

NOTES-

WEBS

REACTIONS.

TOP CHORD

BOT CHORD

- Attached 7-11-3 scab 11 to 13, front face(s) 2x8 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-0-15 from end at joint 11, nail 2 row(s) at 4" o.c. for 2-0-0; starting at 3-1-9 from end at joint 11, nail 2 row(s) at 2" o.c. for 4-4-7.
 Unbalanced roof live loads have been considered for this design.
- 3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 12-0-0, Exterior(2R) 12-0-0 to 16-2-15, Interior(1) 16-2-15 to 32-0-0, Exterior(2R) 32-0-0 to 36-2-15, Interior(1) 36-2-15 to 43-10-5 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOI =1 60
- 4) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 5) Unbalanced snow loads have been considered for this design.

(size) 2=0-3-8, 13=0-3-8 Max Horz 2=118(LC 20)

Max Uplift 2=-364(LC 16), 13=-343(LC 17) Max Grav 2=2492(LC 2), 13=2411(LC 2)

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

16-18=-526/4720, 15-16=-637/5311, 12-15=-638/5299

6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.

7) Provide adequate drainage to prevent water ponding.

ConAll plates are de 120 plates unless otherwise indicated





Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692851
2630568	A4	Hip	1	1	
					Job Reference (optional)
Builders FirstSource (Valley Center), Valley Center, KS - 67147,				8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:22 2021 Page 2

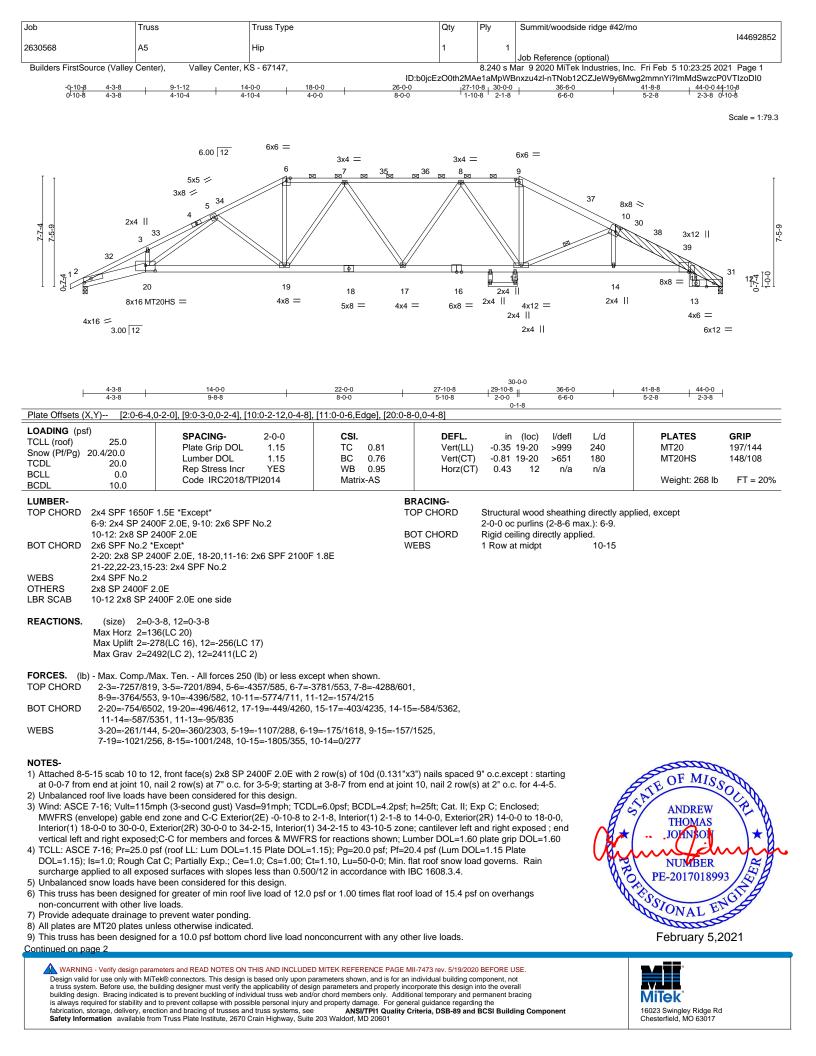
ID:b0jcEzO0th2MAe1aMpWBnxzu4zl-Muifz?0KGOFyIUNoFXV389wAJXhGQ6tXwRnrszzoDI3

NOTES-

- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) Bearing at joint(s) 2, 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 1) Provide mechanical connection (by others) of trues to bearing plate capable of withstanding 364 lb uplift at joint 2 and 343 lb uplift at joint 13. 12) This trues 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 design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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



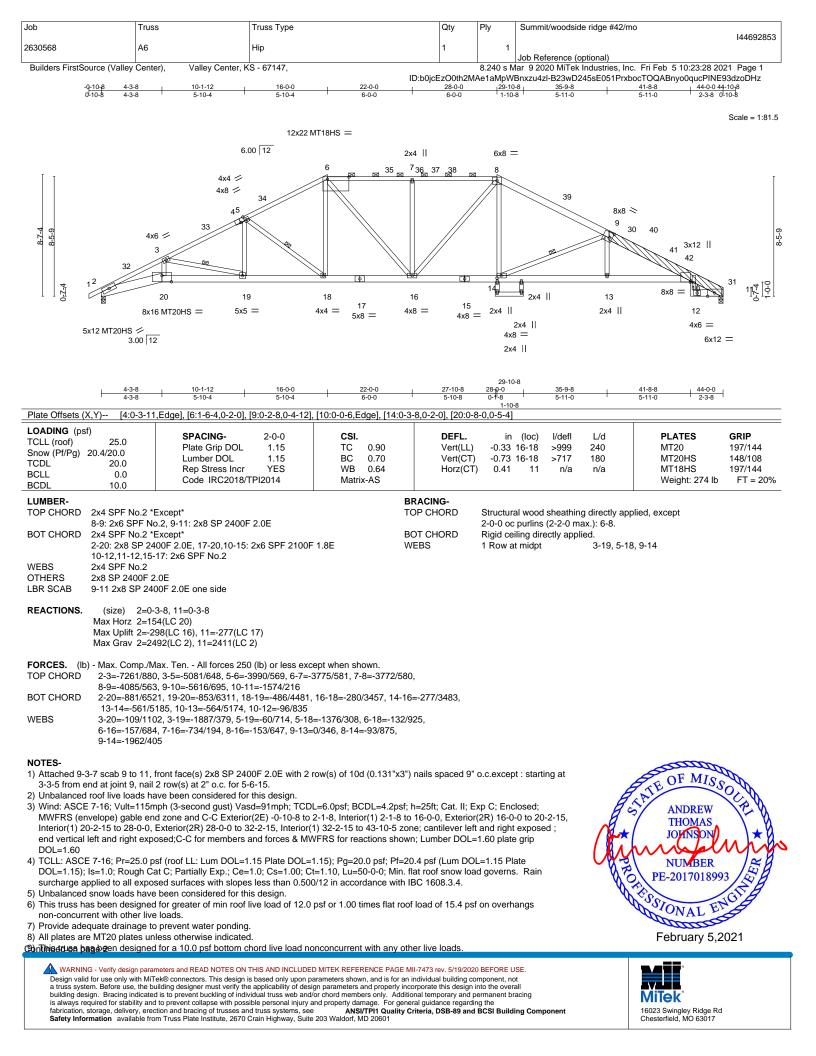


Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo	
					144692852	
2630568	A5	Hip	1	1		
					Job Reference (optional)	
Builders FirstSource (Valley Center), Valley Center, KS - 67147,			8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:25 2021 Page 2			
			zO0th2MA	e1aMpWB	nxzu4zl-nTNob12CZJeW9y6Mwg2mmnYi?ImMdSwzcP0VTIzoDI0	

- 10) Bearing at joint(s) 2, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint 2 and 256 lb uplift at joint 12.
 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 design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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





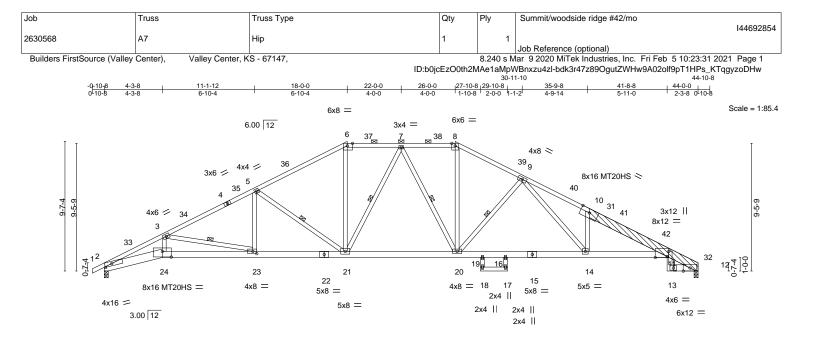
Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo	
					144692853	
2630568	A6	Hip	1	1		
					Job Reference (optional)	
Builders FirstSource (Valley Center), Valley Center, KS - 67147,		S - 67147,	8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:28 2021 Page 2			
			zO0th2M	Ae1aMpW	Bnxzu4zl-B23wD245sE051PrxbocTOQABnyo0qucPINE93dzoDHz	

10) Bearing at joint(s) 2, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 2 and 277 lb uplift at joint 1. 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 design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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





	4-3-8	11-1-12	18-0-0		26-0-0			5-9-8		41-8-8	44-0-0	
Plate Offsets (2	<u>4-3-8</u> X,Y) [2:0-6-4,0	<u>6-10-4</u> 0-2-0], [6:0-4-10,Edge], [1	6-10-4 1:0-10-10,Edge	e], [11:0-4-10,0-1	8-0-0 -6], [23:0			11-0		5-11-0	2-3-8	
LOADING (ps TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	25.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/TF	2-0-0 1.15 1.15 YES Pl2014	CSI. TC 0.73 BC 0.72 WB 0.50 Matrix-AS	2	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.33 20-21 -0.74 20-21 0.42 12	l/defl >999 >707 n/a	L/d 240 180 n/a		PLATES MT20 MT20HS Weight: 273 lb	GRIP 197/144 148/108 FT = 20%
LUMBER- TOP CHORD	2x4 SPF 1650F 6-8: 2x4 SPF No.2*1 2-24: 2x8 SP 24 11-13,12-13,15- 2x4 SPF No.2 2x8 SP 2400F 2 10-12 2x8 SP 2- (size) 2=0- Max Horz 2=17	o.2, 10-12: 2x8 SP 2400F Except* 400F 2.0E, 22-24,11-15: 2 22: 2x6 SPF No.2 2.0E 400F 2.0E one side 3-8, 12=0-3-8	x6 SPF 2100F	1.8E	TO	ACING- P CHORD T CHORD BS	Structural wood 2-0-0 oc purlins Rigid ceiling dir 1 Row at midpt	s (2-11-6 n ectly appl	nax.): 6- ied.	8.	l, except 20, 7-21, 7-20	
FORCES. (Ib TOP CHORD BOT CHORD WEBS	8-9=-3640/548, 9-10=-5546/822, 10-11=-5387/679, 11-12=-1574/238 BOT CHORD 2-24=-1089/6589, 23-24=-1056/6372, 21-23=-601/4306, 20-21=-278/3267, 19-20=-362/3846, 16-19=-365/3792, 14-16=-362/3846, 11-14=-517/4912, 11-13=-107/835											
 at 0-0-15 frc 4-4-7. 2) Unbalanced 3) Wind: ASCE MWFRS (er Interior(1) 2: vertical left a 4) TCLL: ASCE DOL=1.15); surcharge a 5) Unbalanced 6) This truss hi non-concurr 7) Provide ade 8) All plates and 	3-7 scab 10 to 12 om end at joint 10 I roof live loads ha E 7-16; Vult=115m tvelope) gable en 2-0-0 to 26-0-0, E and right exposed E 7-16; Pr=25.0 p Is=1.0; Rough C ispolied to all exposed s how loads have as been designed ent with other live equate drainage to e MT20 plates un	, front face(s) 2x8 SP 240 , nail 2 row(s) at 7" o.c. fo ave been considered for th nph (3-second gust) Vasd d zone and C-C Exterior(:xterior(2R) 26-0-0 to 30-2 d;C-C for members and foi sf (roof LL: Lum DOL=1.1 at C; Partially Exp.; Ce=1. sed surfaces with slopes 1 been considered for this d for greater of min roof liv	r 3-0-15; startin =91mph; TCDL 2E) -0-10-8 to 2 -15, Interior(1) rces & MWFRS 5 Plate DOL= 0; Cs=1.00; Ct: ess than 0.500 design. e load of 12.0 p	g at 4-5-13 from =6.0psf; BCDL=< 2-1-8, Interior(1) 2 30-2-15 to 43-10 for reactions shu .15); Pg=20.0 psi =1.10, Lu=50-0-0 /12 in accordance psf or 1.00 times i	end at jo 4.2psf; h= 2-1-8 to 1 -5 zone; yown; Lurr f; Pf=20.4 ; Min. flat e with IBC flat roof lo	int 10, nail 2 rov =25ft; Cat. II; Ex 8-0-0, Exterior(cantilever left a ber DOL=1.60 4 psf (Lum DOL t roof snow load C 1608.3.4. oad of 15.4 psf	w(s) at 2" o.c. fo (p C; Enclosed; 2R) 18-0-0 to 22 and right expose plate grip DOL= =1.15 Plate d governs. Rain	r 2-0-0, d ; end :1.60	Q	L'S	TE OF MISS ANDREW THOMAS JOHNSON NUMBER PE-201701899 SSIONAL EN February 5,2	
Design valic a truss syst building des is always re fabrication.	d for use only with MiT tem. Before use, the busing. Bracing indicated equired for stability and storage, delivery, erec	meters and READ NOTES ON TH iek® connectors. This design is th iuliding designer must verify the a d is to prevent buckling of individ to prevent collapse with possibl ction and bracing of trusses and i m Truss Plate Institute, 2670 Cra-	based only upon pa pplicability of desig ual truss web and/c e personal injury ar russ systems, see	rameters shown, and n parameters and pro or chord members only nd property damage. ANSI/TPI1 0	is for an incorperly incorp y. Additiona For genera Quality Crit	dividual building cor porate this design ir al temporary and pe I guidance regarding	mponent, not nto the overall ermanent bracing	ponent		16 CH	023 Swingley Ridge Rd nesterfield, MO 63017	

[Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
						144692854
	2630568	A7	Hip	1	1	
						Job Reference (optional)
	Builders FirstSource (Valley Center), Valley Center, KS - 67147,				8.240 s M	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:31 2021 Page 2

ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-bdk3r47z89OgutZWHw9A02olf9pT1HPs_KTqgyzoDHw

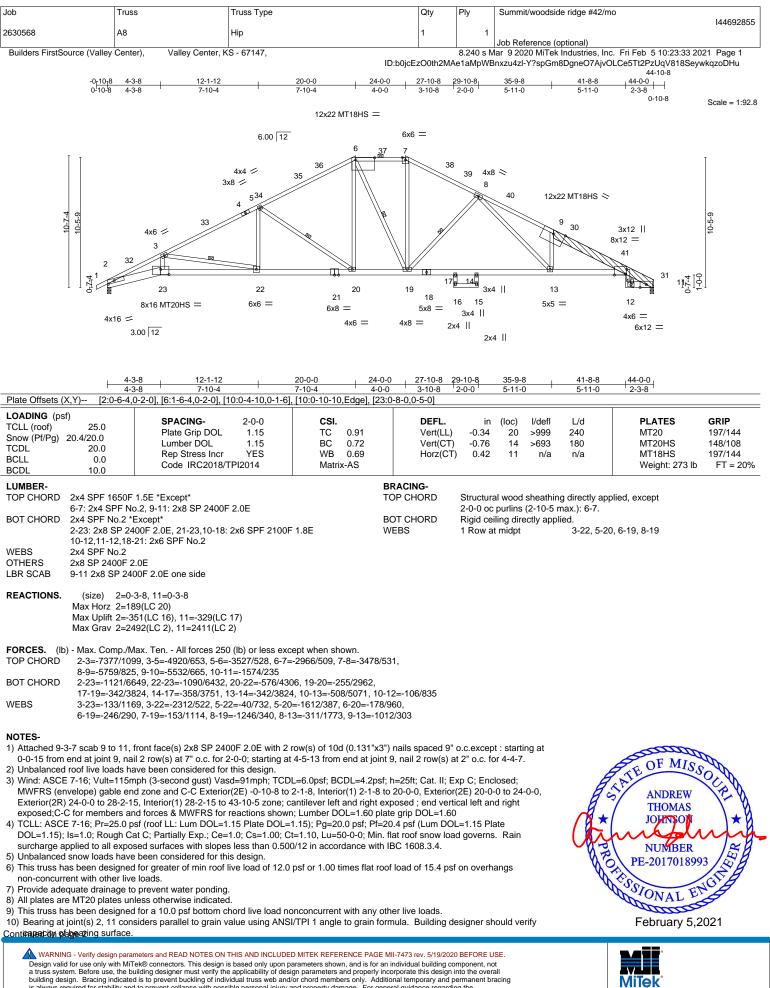
NOTES-

10) Bearing at joint(s) 2, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 355 lb uplift at joint 2 and 334 lb uplift at joint 12. 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 design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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





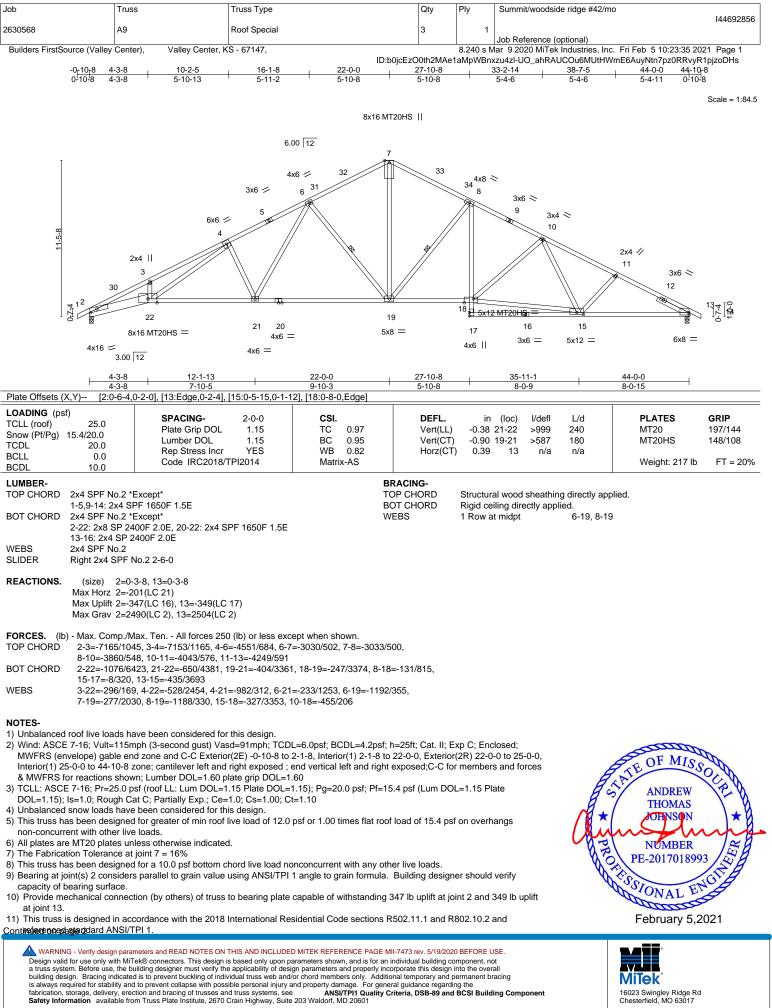
Design valid for use only with MITeK connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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

16023 Swingley Ridge Rd Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo		
					144692855		
2630568	A8	Hip	1	1			
					Job Reference (optional)		
Builders FirstSource (Valley Center), Valley Center, KS - 67147,		KS - 67147,	8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:33 2021 Page 2				
			zO0th2MA	e1aMpWB	3nxzu4zI-Y?spGm8DgneO7AjvOLCe5Tt2PzUqV818SeywkqzoDHu		

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 2 and 329 lb uplift at joint 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.
 This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the
- bottom chord. 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



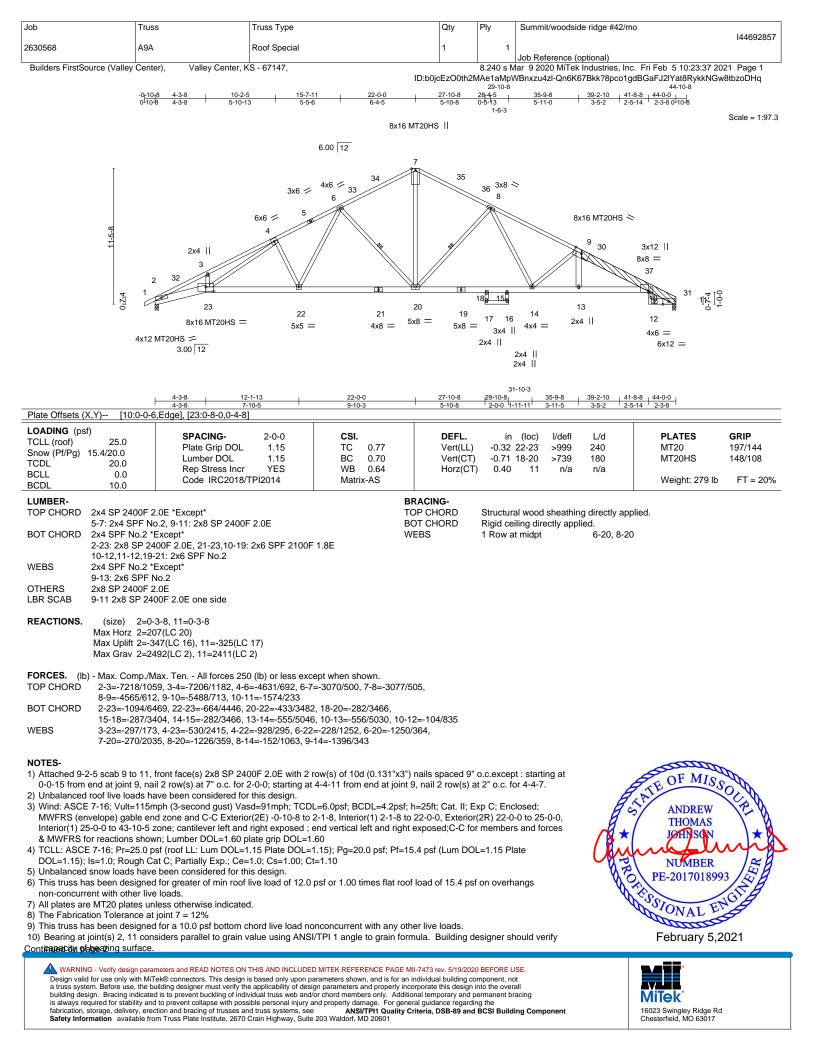


16023 Swingley Ridge Rd Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo		
2630568	A9	Roof Special	2	1	144692856		
2030300	A9		3	· ·	Job Reference (optional)		
Builders FirstSource (Valley Center), Valley Center, KS - 67147,			8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:35 2021 Page 2				
	ID:b0jcE	2O0th2MAe	1aMpWBn	<pre>kzu4zl-UO_ahRAUCOu6MUtHWmE6AuyNtn7pz0RRvyR1pjzoDHs</pre>			

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.



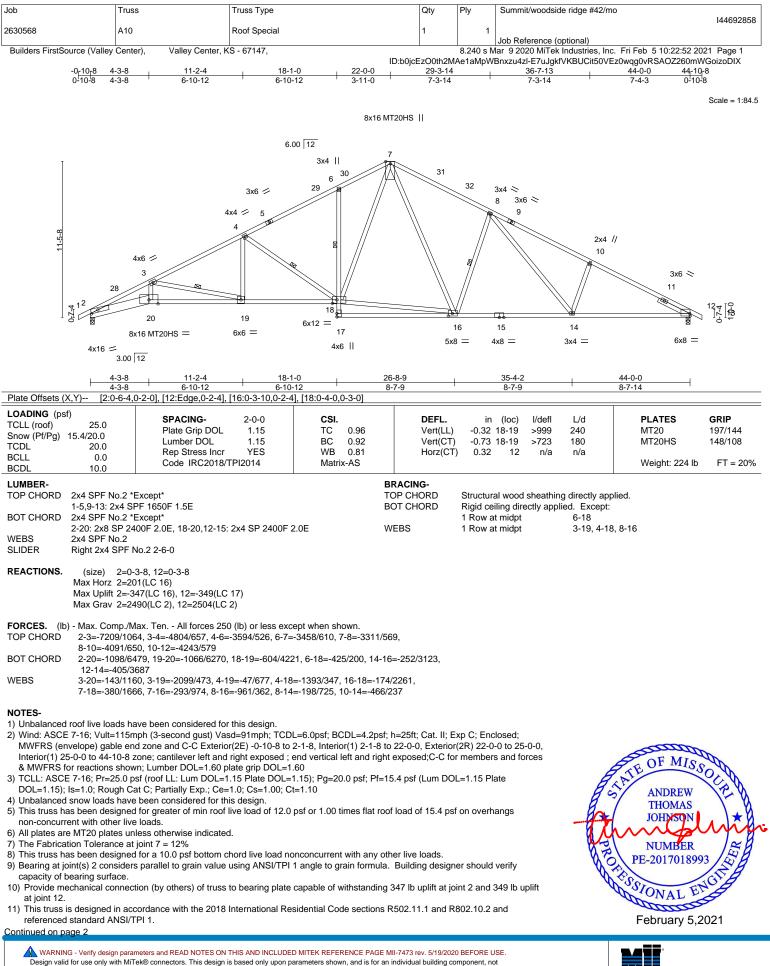


Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692857
2630568	A9A	Roof Special	1	1	
					Job Reference (optional)
Builders FirstSource (Valley	S - 67147,		8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:37 2021 Page 2	

ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-Qn6K67Bkk?8pco1gdBGaFJ2IYat8RykkNGw8tbzoDHq

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 347 lb uplift at joint 2 and 325 lb uplift at joint 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.
 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 WITHS KRETERENCE PAGE MIL-74/3 fev. or 19/2/2/2 DEFORE USE. Design valid for use only with MITER® 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 **ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

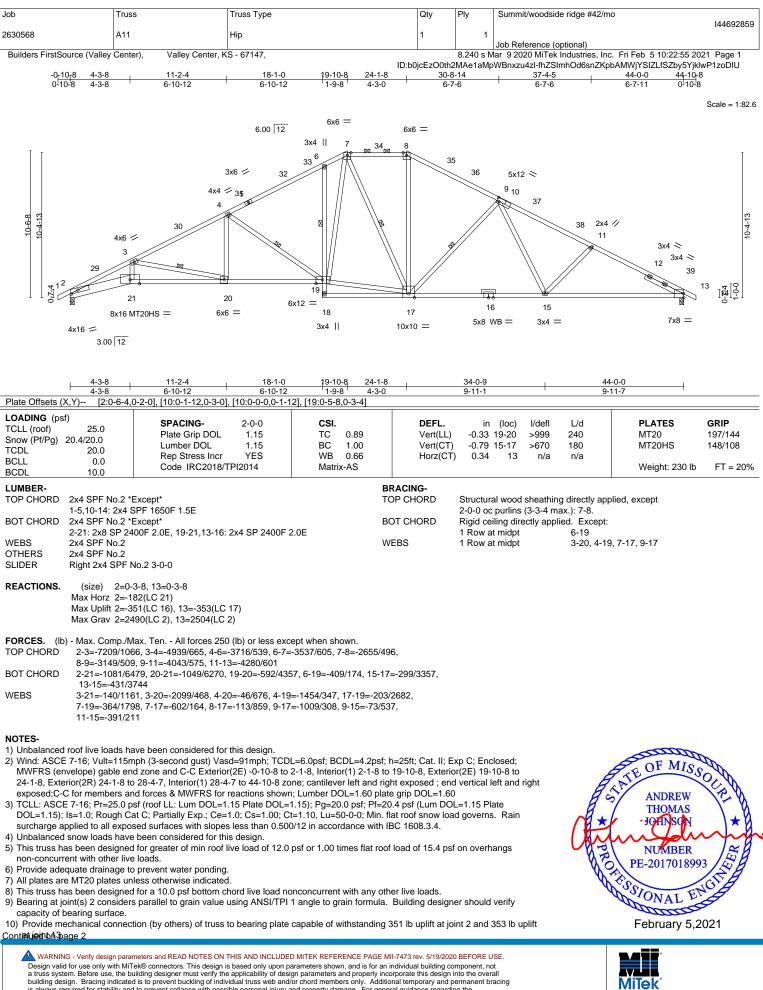
16023 Swingley Ridge Rd Chesterfield, MO 63017

MiTek

Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo		
2630568	A10	Roof Special	1	1	144692858		
2030308	AIU		'	'	Job Reference (optional)		
Builders FirstSource (Valley Center), Valley Center, KS - 67147,			8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:22:52 2021 Page 2				
		ID:b0jcl	EzO0th2M	Ae1aMpW	Bnxzu4zI-E7uJgkfVKBUCit50VEz0wqg0vRSAOZ260mWGoizoDIX		

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.





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

16023 Swingley Ridge Rd Chesterfield, MO 63017

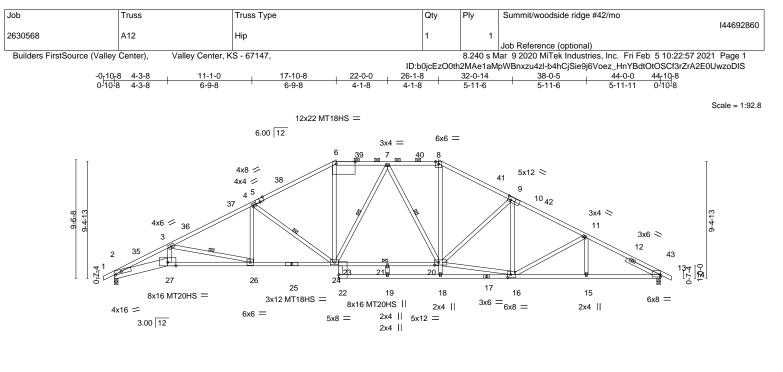
[Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo	
	2630568	A11	Нір	1	1	144692859	
	2030300		1 np	1		Job Reference (optional)	
	Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,		8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:22:55 2021 Page 2	
ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-fhZSImhOd6snZKpbAMWjYSIZLfSZby5YjkIwP1zoD							

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.





	4-3-8	11-1-0	17-10-8	18 ₁ 1-0 22-0-0	26-1-8	32-0-14	38-0-5	44-0-0	1
	4-3-8	6-9-8	6-9-8	0-2-8 3-11-0	4-1-8	5-11-6	5-11-6	5-11-11	
Plate Offsets (X,Y)	[2:0-6-4,0-2-0], [5:0-4-0,Edge], [6:1-6	6-4,0-2-0], [10:0-3	-0,0-3-0], [10:0-0-	-0,0-1-12], [13	3:Edge,0-2-4], [16:	0-3-0,0-2-12], [20:0	0-4-0,0-2-12], [22:0	-0-0,0-1-12],
	[23:0-0-0,0-1-12]							

[23:0-0	-0,0-1-12]						
LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 20.4/20.0 TCDL 20.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.98 BC 0.71 WB 0.72 Matrix-AS	Vert(CT) -0	in (loc) 0.33 24-26 0.73 24-26 0.34 13	l/defl L/ >999 24 >717 18 n/a n/	0 MT20 80 MT20HS	GRIP 197/144 148/108 197/144 0 FT = 20%
BOT CHORD 2x4 SPF No.2	SPF 1650F 1.5E *Except* 2400F 2.0E, 25-27,13-17: 2x4 SP 2400F	Т В 2.0Е V	2-0- SOT CHORD Rig VEBS 1 R	uctural wood)-0 oc purlins gid ceiling dire Row at midpt Brace at Jt(s):	(2-11-12 max ectly applied. 3-	ectly applied, except :.): 6-8. -26, 4-24, 7-24, 7-20	
SLIDER Right 2x4 SPF REACTIONS. (size) 2= Max Horz 2= Max Uplift 2=)-3-8, 13=0-3-8						
TOP CHORD 2-3=-7203/10 8-9=-3557/5 BOT CHORD 2-27=-1059/ 21-23=-278/ 15-16=-431/ WEBS 3-27=-135/1	Max. Ten All forces 250 (lb) or less exc 364, 3-4=-4830/676, 4-6=-3664/541, 6-7= 40, 9-11=-3860/556, 11-13=-4222/593 3473, 26-27=-1029/6265, 24-26=-585/42 2797, 20-21=-278/2797, 19-22=0/419, 18 3688, 13-15=-431/3688 156, 3-26=-2080/455, 4-26=-51/670, 8-20 164, 6-24=-124/1107, 4-24=-1452/341, 9 56	3137/523, 7-8=-3087/5 37, 23-24=-276/3216, -19=0/419, 16-18=0/477)=-140/1105, 16-20=-321	, /2952,				
 Wind: ASCE 7-16; Vult=115 MWFRS (envelope) gable e 22-0-0, Interior(1) 22-0-0 to ; end vertical left and right e DOL=1.60 TCLL: ASCE 7-16; Pr=25.0 DOL=1.15); Is=1.0; Rough e surcharge applied to all exp Unbalanced snow loads hav This truss has been designe non-concurrent with other li Provide adequate drainage All plates are MT20 plates of 	to prevent water ponding.	2-1-8, Interior(1) 2-1-8 to erior(1) 30-4-7 to 44-10-1 WFRS for reactions sho 1.15); Pg=20.0 psf; Pf=2 t=1.10, Lu=50-0-0; Min. 1 0/12 in accordance with 1 psf or 1.00 times flat roc	b 17-10-8, Exterior(2R 8 zone; cantilever left wn; Lumber DOL=1.6 0.4 psf (Lum DOL=1.1 flat roof snow load gov IBC 1608.3.4. of load of 15.4 psf on c	 R) 17-10-8 to and right exp and right exp b) plate grip 15 Plate b) verns. Rain 	osed	NUMBER PE-20170189 February 5,	93 ANGING
Design valid for use only with M a truss system. Before use, the building design. Bracing indica is always required for stability a fabrication, storage, delivery, er	ameters and READ NOTES ON THIS AND INCLUDE ITEK® connectors. This design is based only upon p building designer must verify the applicability of des ed is to prevent buckling of individual truss web and nd to prevent collapse with possible personal injury ection and bracing of trusses and truss systems, se rom Truss Plate Institute, 2670 Crain Highway, Suit	arameters shown, and is for an ign parameters and properly inc /or chord members only. Additi and property damage. For gene e ANSI/TP11 Quality (individual building compone corporate this design into the ional temporary and perman	nent, not ne overall nent bracing	onent	16023 Swingley Ridge F Chesterfield, MO 63017	łd

Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692860
2630568	A12	Hip	1	1	
					Job Reference (optional)
Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,		8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:22:57 2021 Page 2

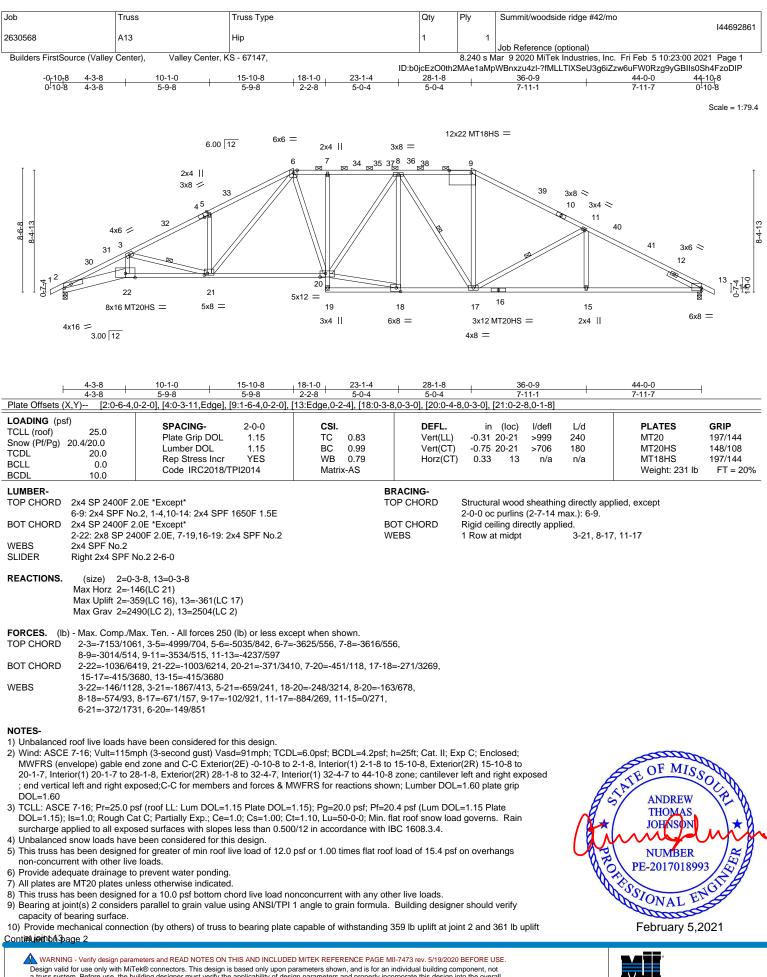
ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-b4hCjSie9j6Voez_HnYBdtOtOSCf3rZrA2E0UwzoDIS

NOTES-

- 9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 355 lb uplift at joint 2 and 357 lb uplift at joint 13.
 This truss 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.







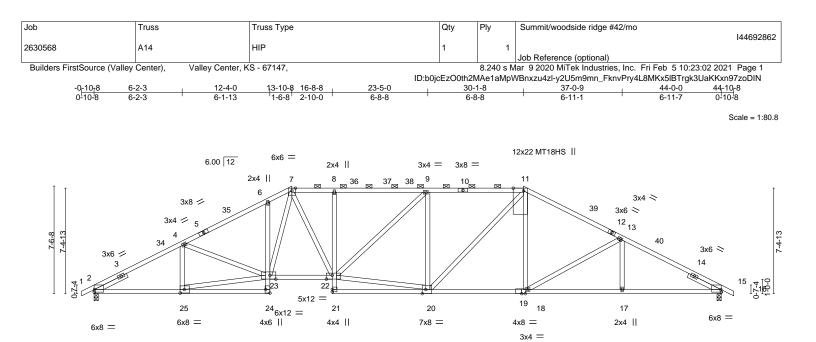
[Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo		
	0000500		1.0			144692861		
	2630568	A13	Нір	1	1	lah Defarance (antional)		
_ L						Job Reference (optional)		
	Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,	8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:00 2021 Page 2				
			ID:b0	jcEzO0th2	MAe1aMp	WBnxzu4zI-?fMLLTIXSeU3g6iZzw6uFW0Rzg9yGBIIs0Sh4FzoDIP		

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.





<u>6-2-3</u> 6-2-3	<u>12-4-0</u> <u>13-10-8</u> <u>16-</u> <u>6-1-13</u> <u>1-6-8</u> <u>2-1</u>		30-1-8			<u>44-0-0</u> 6-11-7					
	0-2-4], [11:0-2-4,Edge], [15:Edge,0-2-4]		0,Edge], [22:0-5-0),0-3-4], [23:0-5-0,0-3-4]	, [24:Edge,0-3						
LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 20.4/20.0 TCDL 20.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.91 BC 0.97 WB 0.94 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl -0.29 22-23 >999 -0.66 22-23 >798 0.26 15 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 224 lb	GRIP 197/144 197/144 FT = 20%				
LUMBER-			RACING-								
TOP CHORD 2x4 SPF 1650F BOT CHORD 2x4 SPF No.2 *I 2-24,15-19: 2x4 WEBS 2x4 SPF No.2	Except*	тс	OP CHORD S	Structural wood sheathir -0-0 oc purlins (2-4-4 m Rigid ceiling directly app	ax.): 7-11.	lied, except					
Max Horz 2=12 Max Uplift 2=-3	3-8, 15=0-3-8 28(LC 20) 63(LC 16), 15=-363(LC 17) 496(LC 2), 15=2496(LC 2)										
Wax Grav 2=2496(LC 2), 15=2496(LC 2) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-4214/602, 4-6=-4478/646, 6-7=-4387/719, 7-8=-4082/613, 8-9=-4067/614, 9-11=-3727/567, 11-13=-3713/543, 13-15=-4228/605 BOT CHORD 2-25=-566/3669, 24-25=-26/276, 6-23=-427/161, 22-23=-418/3652, 8-22=-617/171, 18-20=-268/3208, 17-18=-433/3680, 15-17=-433/3680 WEBS 4-25=-576/150, 23-25=-547/3440, 4-23=-84/419, 20-22=-360/3547, 9-22=-174/525, 9-20=-1048/261, 11-20=-199/926, 11-18=-50/512, 13-18=-717/218, 7-23=-250/1117, 7-22=-209/1107											
 Wind: ASCE 7-16; Vult=115rr MWFRS (envelope) gable en 18-1-7, Interior(1) 18-1-7 to 3 ; end vertical left and right exp DOL=1.60 TCLL: ASCE 7-16; Pr=25.0 p DOL=1.15); Is=1.0; Rough Ca surcharge applied to all export 4) Unbalanced snow loads have 5) This truss has been designed non-concurrent with other live 6) Provide adequate drainage to 7) All plates are MT20 plates un 8) The Fabrication Tolerance at 9) This truss has been designed 10) Provide mechanical connect at joint 15. 	o prevent water ponding. Iless otherwise indicated. joint 11 = 8% d for a 10.0 psf bottom chord live load no tion (by others) of truss to bearing plate cordance with the 2018 International Re	2-1-8, Interior(1) 2-1-8 to erior(1) 34-4-7 to 44-10-8 WFRS for reactions show 1.15); Pg=20.0 psf; Pf=20 t=1.10, Lu=50-0-0; Min. fla D/12 in accordance with IE psf or 1.00 times flat roof	13-10-8, Exterior(2 zone; cantilever le n; Lumber DOL=1 .4 psf (Lum DOL= at roof snow load g 3C 1608.3.4. load of 15.4 psf or er live loads. .63 lb uplift at joint	2R) 13-10-8 to fft and right exposed .60 plate grip 1.15 Plate governs. Rain n overhangs 2 and 363 lb uplift	A PPROF	ANDREW THOMAS JOHNON NUMBER PE-201701899 FESSIONAL EN February 5,2					
	meters and READ NOTES ON THIS AND INCLUDE		-7473 rev 5/10/2020 BI	EFORE LISE							

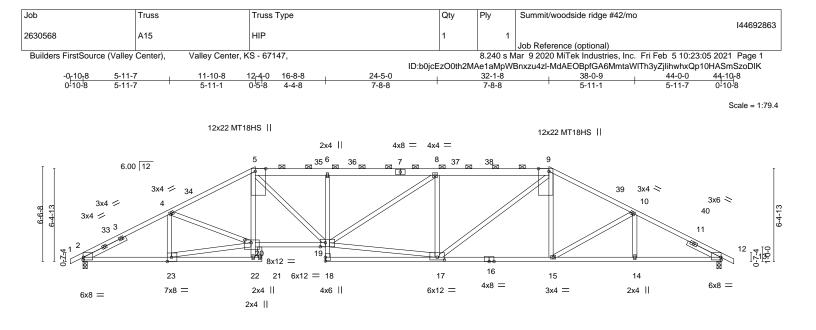


	Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo	
	2630568	A14	HIP	1	1	144692862	
	2030300	714	1 IIF	1		Job Reference (optional)	
	Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,		8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:03 2021 Page 2	
ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-QE2TzVnPkZseXZQ8e2fbt8dwxtBvTWkkY_hLhazoDI/							

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.





L	5-11-7	11-10-8	12-4-0 16-8-8	24-5-0		32-1-8	38-0-9	44-0-0	l
	5-11-7	5-11-1	0-5-8 4-4-8	7-8-8		7-8-8	5-11-1	5-11-7	
Plate Offsets (X,	Y) [2:Edge,0	0-2-4], [5:0-2-4,Edge]	, [9:0-2-4,Edge], [1	2:Edge,0-2-4], [17:0-6-0,	<u>0-2-4], [19:0-4-4</u>	,0-3-4], [23:0-3-8	,Edge], [24:0-5-4,0	-2-4], [24:0-1-12,0-0-0]	
LOADING (psf) TCLL (roof) Snow (Pf/Pg) 2 TCDL BCLL	20.0 0.0	SPACING- Plate Grip DOI Lumber DOL Rep Stress Ind Code IRC201	1.15 or YES	CSI. TC 0.76 BC 0.82 WB 0.90 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.30 19-20 -0.69 19-20 0.27 12	l/defl L/d >999 240 >764 180 n/a n/a	PLATES MT20 MT18HS Weight: 227 lb	GRIP 197/144 197/144 FT = 20%
BCDL	10.0	0000 11(0201	0,1112011					Wolght. 227 lb	11 - 20%
BOT CHORD	5-7,7-9: 2x6 SP 2x4 SPF No.2 *I 2-21,12-16: 2x4 2x4 SPF No.2 *I 17-19: 2x4 SPF	F No.2 Except* SP 2400F 2.0E, 19-2 Except*		T(B(RACING- OP CHORD OT CHORD		l sheathing directly (2-9-12 max.): 5-9 ectly applied.		
REACTIONS.		3-8, 12=0-3-8	011 10.2 2-0-0						
	Max Uplift 2=-3	59(LC 20) 61(LC 16), 12=-366(L 505(LC 2), 12=2499(L							
FORCES. (lb) TOP CHORD BOT CHORD WEBS	2-4=-4231/601 9-10=-3878/57 2-23=-548/370 14-15=-448/36 4-23=-601/152	72, 10-12=-4219/610 03, 19-20=-486/4064, 675, 12-14=-448/3675 2, 5-19=-288/1540, 17 66, 9-15=-26/416, 10-	=-4992/693, 6-8=-4 6-19=-799/204, 17 -19=-506/4152, 8-	ept when shown. 1953/689, 8-9=-4432/621 '-18=-24/332, 15-17=-320 19=-214/714, 8-17=-1320 =-81/682, 20-23=-543/36	D/3408, D/314,				
 Wind: ASCE MWFRS (env 16-1-7, Interior ; end vertical DOL=1.60 TCLL: ASCE DOL=1.15); Is surcharge app Unbalanced s This truss has non-concurrer Provide adeq All plates are The Fabrication This truss has Provide media 	7-16; Vult=115m elope) gable en rr(1) 16-1-7 to 3 eft and right exp 7-16; Pr=25.0 p = 1.0; Rough Ca blied to all expos now loads have been designed ht with other live Jate drainage to MT20 plates un on Tolerance at been designed hanical connect	d zone and C-Č Exter 2-1-8, Exterior(2R) 32 posed;C-C for member sf (roof LL: Lum DOL at C; Partially Exp.; C sed surfaces with slop been considered for for greater of min roo bloads. p prevent water pondii less otherwise indication joint 5 = 12%, joint 9 for a 10.0 psf bottom	asd=91mph; TCD ior(2E) -0-10-8 to 2-1-8 to 36-4-7, Inters and forces & M =1.15 Plate DOL= e=1.0; Cs=1.00; C bes less than 0.500 this design. of live load of 12.0 ng. ted. = 8% o chord live load no	L=6.0psf; BCDL=4.2psf; 2-1-8, Interior(1) 2-1-8 to arior(1) 36-4-7 to 44-10-8 WFRS for reactions show WFRS for reactions show (1.15); Pg=20.0 psf; Pf=20 (=1.10, Lu=50-0-0; Min. fi //12 in accordance with II psf or 1.00 times flat root enconcurrent with any oth capable of withstanding 3	11-10-8, Exterio 2 zone; cantilever vn; Lumber DOL 0.4 psf (Lum DOI lat roof snow loa BC 1608.3.4. f load of 15.4 psf	r(2R) 11-10-8 to left and right ex =1.60 plate grip _=1.15 Plate d governs. Rain on overhangs	posed	ANDREW THOMAS JOHNSON NUMBER PE-201701895 February 5,2	
Continuioinonapag	je 2								
Design valid f	or use only with MiT	ek® connectors. This desig	n is based only upon p	D MITEK REFERENCE PAGE M arameters shown, and is for an	individual building co	mponent, not			



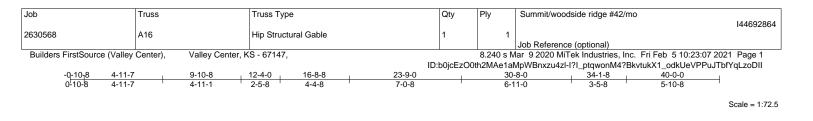
Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
2630568	A 1 F	 HIP	4	1	144692863
2630568	A15	HIP	1	1	Job Reference (optional)
Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,			ar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:05 2021 Page 2
		ID:b0jcE	zO0th2M	Ae1aMpWI	Bnxzu4zl-MdAEOBpfGA6MmtaWITh3yZjlihwhxQp10HASmSzoDIK

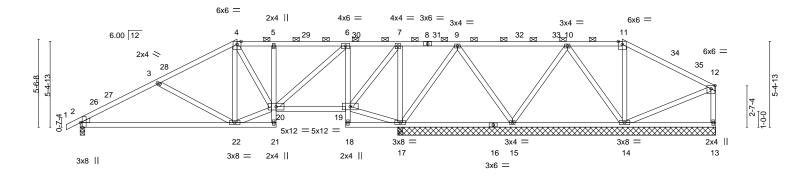
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.

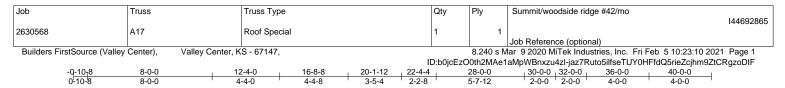
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



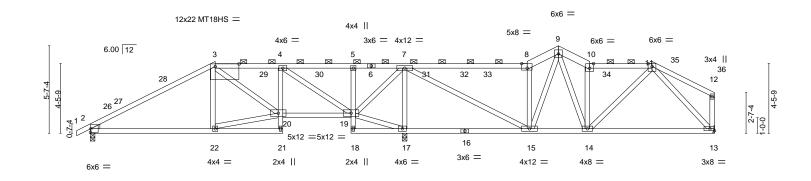




		9-10-8 9-10-8	12-4-0 2-5-8	<u>16-8-8</u> 4-4-8	20-3-8	27-2-8		<u>34-1-8</u> 6-11-0	40-0-0	
Plate Offsets (0-0-3], [2:0-0-3,0-5-0],		-	3-1-0	0-11-0		0-11-0	3-10-0	
LOADING (ps TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	25.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Inc Code IRC2018	1.15 YES	C: TC BC W M	0.79 0.61	DEFL. Vert(LL) Vert(CT) Horz(CT		l/defl L/d >999 240 >814 180 n/a n/a	PLATES MT20 Weight: 189 lb	GRIP 197/144 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS WEDGE Left: 2x4 SPF	2x4 SPF No.2					BRACING- TOP CHORD BOT CHORD		s (6-0-0 max.): 4-11.	applied, except end vertion	cals, and
REACTIONS. (Ib)	- Max Horz 2=13 Max Uplift All 15=- Max Grav All	0-0-0 except (jt=length 39(LC 15) uplift 100 lb or less at -119(LC 17) reactions 250 lb or les 2141(LC 40), 17=1874	joint(s) 13 exc s at joint(s) ex	cept 2=1058	,,		. ,,			
FORCES. (II TOP CHORD BOT CHORD WEBS	2-3=-1437/269 9-10=-57/264 2-22=-260/120 3-22=-594/19	Max. Ten All forces 2 9, 3-4=-933/182, 4-5=- 09, 5-20=-399/111, 6-1 7, 20-22=-63/788, 6-20 41, 7-19=-214/1167, 9	713/182, 5-6= 9=-1067/265)=-212/1013,	-728/186, 7-9 15-17=-323/ 11-14=-406/1)=-142/771, 138 21, 7-17=-1					
 Wind: ASCI MWFRS (ei Interior(1) 1 vertical left TCLL: ASC DOL=1.15): surcharge a Unbalancec This truss h non-concur Provide add This truss h Provide me 2=172, 14= This truss is referenced This truss is sheetrock Graphical 	E 7-16; Vult=115n nvelope) gable er 4-1-7 to 34-1-8, E and right exposed E 7-16; Pr=25.0 p ; Is=1.0; Rough C applied to all expo d snow loads have rent with other live equate drainage to as been designed rent with other live equate drainage to as been designed that a standard ana standard tas 128, 17=389, 15= s designed in acct standard ANSI/TF design requires th be applied direct purlin representa	o prevent water pondir d for a 10.0 psf bottom on (by others) of truss -119. ordance with the 2018 Pl 1. hat a minimum of 7/16 y to the bottom chord. tion does not depict the	asd=91mph; or(2E) -0-10- i8-4-7, Interio i8 forces & MW 1.1.15 Plate DI =1.0; Cs=1.0 es less than (his design. f live load of g. chord live loa to bearing pla International ' structural wo	CDL=6.0psf; 3 to 2-1-8, Int r(1) 38-4-7 to VFRS for reac DL=1.15); Pg: 0; Ct=1.10, Lt .500/12 in ac 2.0 psf or 1.0 d nonconcurr tte capable of Residential C pod sheathing rientation of t	erior(1) 2-1- 39-10-4 zor tions showr =20.0 psf; P ==50-0-0; M cordance w 0 times flat ent with any withstandir ode section: be applied he purlin alo	8 to 9-10-8, Exterior ne; cantilever left an 1; Lumber DOL=1.6(f=20.4 psf (Lum DO in. flat roof snow loa ith IBC 1608.3.4. roof load of 15.4 ps y other live loads. 100 lb uplift at join s R502.11.1 and R8 directly to the top of ong the top and/or b	(2R) 9-10-8 to 12 d right exposed ; plate grip DOL= L=1.15 Plate d governs. Rain ton overhangs ht(s) 13 except (jt 02.10.2 and ord and 1/2" gyp pttom chord.	end 1.60 =lb)	ANDREW THOMAS JOHNSON NUMBER PE-201701899 February 5,2	
Design vali a truss sys building de is always n fabrication,	id for use only with Mil tem. Before use, the b sign. Bracing indicate equired for stability and storage, delivery, ere	meters and READ NOTES O Tek® connectors. This design uilding designer must verify: d is to prevent buckling of in to prevent collapse with po- ction and bracing of trusses and m Truss Plate Institute, 267	n is based only up he applicability o dividual truss web ssible personal ir and truss system	oon parameters s f design paramet and/or chord me jury and property s, see A	nown, and is fo ers and properly mbers only. A damage. For NSI/TPI1 Qua	or an individual building co ly incorporate this design additional temporary and p	mponent, not nto the overall ermanent bracing ng the	ponent	NITEK 16023 Swingley Ridge Rc Chesterfield, MO 63017	



Scale = 1:73.8



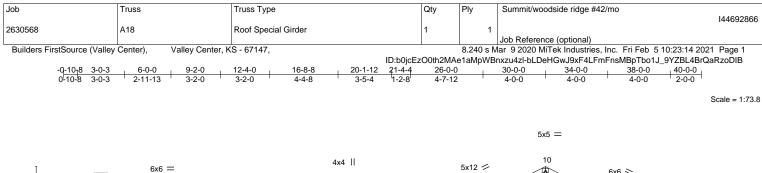
		0-0	12-4-0	16-8-8	20-1-12	28-0-		32-0-0		36-0-0	40-0-0	
Plata Offcato (X		·0-0	4-4-0	4-4-8	3-5-4	7-10- 		4-0-0	1	4-0-0	4-0-0	
Plate Offsets (X	· · · · ·	0-2-13], [2:0-5-0,0-0-3										
TCLL (roof) Snow (Pf/Pg) 2 TCDL	25.0 20.4/20.0 20.0	SPACING- Plate Grip DOI Lumber DOL	1.15	CS TC BC	0.99 0.71	DEFL. Vert(LL) Vert(CT)	in (loc) -0.12 22-25 -0.26 22-25	l/defl >999 >946	L/d 240 180		PLATES MT20 MT18HS	GRIP 197/144 197/144
BCLL BCDL	0.0 10.0	Rep Stress Inc Code IRC2018		WI Ma	B 0.73 atrix-AS	Horz(CT)	0.04 2	n/a	n/a		Weight: 190 lb	FT = 20%
LUMBER- TOP CHORD BOT CHORD	2x4 SPF No.2 *I 3-6,6-8: 2x4 SPI 2x4 SPF No.2 *I 16-18: 2x4 SP 2 2x4 SPF No.2	F 1650F 1.5E, 8-9,9-1 Except*	0: 2x6 SPF N	lo.2	Г	BRACING- OP CHORD	Structural wooc 2-0-0 oc purlins Rigid ceiling dir	s (5-8-6 m	ax.): 3-8		, except end vertic	cals, and
REACTIONS.	Max Horz 2=14 Max Uplift 2=-1	3-8, 17=0-3-8, 13=Me 41(LC 15) 90(LC 16), 17=-423(L 029(LC 48), 17=2763(C 16), 13=-14									
FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-1264/247, 3-4=-975/263, 7-8=-752/192, 8-9=-913/242, 9-10=-1034/237, 10-11=-899/194 BOT CHORD 2-22=-205/1006, 4-20=-32/379, 19-20=-200/1003, 5-19=-257/74, 15-17=-928/163,												
BOT CHORD 2-22=-203/1006, 4-20=-32/37, 9, 19-209/1003, 5-19=-207/14, 15-17=-920/163, 14-15=-104/648, 13-14=-133/619 WEBS 20-22=-198/987, 4-19=-1259/227, 17-19=-935/190, 7-19=-190/1041, 7-17=-2306/435, 7-15=-261/1795, 8-15=-952/258, 9-15=-117/291, 9-14=-129/680, 10-14=-800/179, 11-14=-21/396, 11-13=-834/173												
 Wind: ASCE MWFRS (emv Interior(1) 11 to 39-10-4 zc reactions sho TCLL: ASCE DOL=1.15); I surcharge at 4) Unbalanced: This truss ha non-concurre Provide adec All plates are The Fabricat This truss ha 	7-16; Vult=115rr velope) gable en -0-0 to 30-0-0, E one; cantilever le bwn; Lumber DO 7-16; Pr=25.0 p s=1.0; Rough Ca splied to all expois snow loads have s been designed ent with other live quate drainage to MT20 plates un ion Tolerance at s been designed der(s) for truss to	o prevent water pondir less otherwise indicat	asd=91mph; ior(2E) -0-10- 32-0-0, Interic end vertical li =1.60 =1.15 Plate D =1.15 Plate D =1.0; Cs=1.0; css less than this design. of live load of ng. ed.	TCDL=6.0psf; -8 to 2-1-8, Inte or(1) 32-0-0 to eft and right ex OL=1.15); Pg= 00; Ct=1.10, Lu 0.500/12 in ac 12.0 psf or 1.0	erior(1) 2-1-8 ti 36-0-0, Exteric posed;C-C for =20.0 psf; Pf=2 =50-0-0; Min. cordance with 0 times flat roo	o 8-0-0, Exterior(2 rr(2R) 36-0-0 to 39 members and for 0.4 psf (Lum DOL flat roof snow load IBC 1608.3.4. of load of 15.4 psf	R) 8-0-0 to 11-0 9-0-0, Interior(1) ces & MWFRS f .=1.15 Plate d governs. Rain	39-0-0 or	0	The second second	ANDREW THOMAS JOHNSON NUMBER PE-201701899 STONAL EN February 5,2	
Design valid a truss syste building desi is always req fabrication, s	for use only with MiT m. Before use, the bu gn. Bracing indicated uired for stability and torage, delivery, erec	meters and READ NOTES O ek® connectors. This desig uilding designer must verify d is to prevent buckling of in t to prevent collapse with pc ction and bracing of trusses m Truss Plate Institute, 267	n is based only u the applicability of dividual truss we ssible personal i and truss system	pon parameters sl of design parameters b and/or chord me njury and property ns, see A	nown, and is for ar ers and properly in mbers only. Addit damage. For gen NSI/TPI1 Quality	n individual building con corporate this design in ional temporary and pe	mponent, not nto the overall ermanent bracing g the	ponent		16	023 Swingley Ridge Rd esterfield, MO 63017	

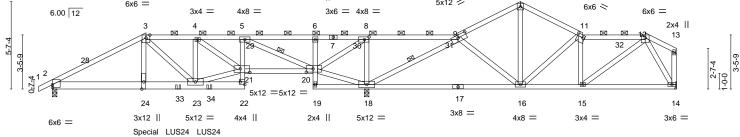
[Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo		
						144692865		
	2630568	A17	Roof Special	1	1			
						Job Reference (optional)		
	Builders FirstSource (Valley Center), Valley Center, KS - 67147,			8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:11 2021 Page 2				
			ID:b0jcE	ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-BmXVfEtQs0tWUo1g6koUCqzGb5_oLAwvODdmz6zoDIE				

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 17=423, 13=143.
 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the
- bottom chord.

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







3-0-3	6-0-0 9-2-0 12-4-0	16-8-8 20-1-12	26-0-0	30-0-0	34-0-0	38-0-0 40-0-0	L.
		4-4-8 3-5-4	5-10-4	4-0-0	4-0-0	4-0-0 2-0-0	
Plate Offsets (X,Y) [2:0-0-0,	0-2-1], [8:0-3-8,0-2-0], [9:0-6-12,0-2-0],	[11:0-4-8,0-2-0], [20:0-5-4	4,0-2-8], [21:0-7-	4,0-2-12], [22:Edge	e,0-3-8]		
LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 20.4/20.0 TCDL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO	CSI. TC 0.92 BC 0.80 WB 0.63	DEFL. Vert(LL) Vert(CT) Horz(CT)	-0.15 16-18 -0.30 16-18	l/defl L/d >999 240 >788 180 n/a n/a	PLATES MT20	GRIP 197/144
BCLL 0.0 BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS				Weight: 187 I	b FT = 20%
LUMBER- TOP CHORD 2x4 SPF No.2 * 7-9: 2x4 SPF 16 BOT CHORD 2x4 SPF No.2 *	50F 1.5E	T(B(RACING- OP CHORD OT CHORD /EBS	except end vertica			
Max Horz 2=14 Max Uplift 2=-4	3-8, 14=Mechanical, 18=0-3-8 41(LC 11) 19(LC 12), 14=-217(LC 76), 18=-682(Lt 772(LC 44), 14=720(LC 26), 18=3608(L						
TOP CHORD 2-3=-2997/740 8-9=-483/2322 BOT CHORD 2-24=-676/262 6-20=-367/100 WEBS 3-24=-229/100 11-15=-357/10	tax. Ten All forces 250 (lb) or less exc 6, 3-4=-2723/676, 4-5=-2553/614, 5-6=- 2, 9-10=-785/310, 10-11=-780/291, 11-1 28, 23-24=-666/2585, 22-23=-70/260, 5- 0, 16-18=-543/571, 15-16=-304/905, 14- 24, 5-20=-3442/780, 9-16=-103/817, 10- 58, 8-18=-1736/408, 18-20=-2315/537, i 36, 12-14=-706/260, 4-23=-370/204, 4-2	91/611, 6-8=-96/647, 2=-896/313 21=-217/1052, 20-21=-55 15=-142/380 16=-184/285, 11-16=-56 3-20=-465/2091, 9-18=-2;	3/137, 239/392,				
 2) Wind: ASCE 7-16; Vult=115n MWFRS (envelope) gable en grip DOL=1.60 3) TCLL: ASCE 7-16; Pr=25.0 p DOL=1.15; Is=1.0; Rough C: surcharge applied to all expo 4) Unbalanced snow loads have 5) This truss has been designed non-concurrent with other live 6) Provide adequate drainage to 7) This truss has been designed 8) Refer to girder(s) for truss to 9) Provide mechanical connecti 2=419, 14=217, 18=682. 10) This truss is designed in acc referenced standard ANSI/7 11) Graphical purlin represental 12) Use Simpson Strong-Tie LL 	o prevent water ponding. I for a 10.0 psf bottom chord live load no truss connections. on (by others) of truss to bearing plate o cordance with the 2018 International Re	I; end vertical left and rig 1.15); Pg=20.0 psf; Pf=20 t=1.10, Lu=50-0-0; Min. fi 0/12 in accordance with II psf or 1.00 times flat root onconcurrent with any oth apable of withstanding 10 sidential Code sections F tation of the purlin along Ply Girder) or equivalent	yht exposed; Lum 0.4 psf (Lum DOI lat roof snow loa BC 1608.3.4. f load of 15.4 psf her live loads. 00 lb uplift at join R502.11.1 and Ri the top and/or bo	t(s) except (jt=lb) 802.10.2 and btom chord.		STATE OF MIS ANDREW THOMAS JOHNSON NUMBER PE-20170189 PE-20170189 February 5	
WARNING - Verify design para Design valid for use only with Mil a truss system. Before use, the b	meters and READ NOTES ON THIS AND INCLUDE 'ek® connectors. This design is based only upon p uilding designer must verify the applicability of des is to prevent buckling or individual trues web and	D MITEK REFERENCE PAGE M arameters shown, and is for an gn parameters and properly inc	individual building co orporate this design i	mponent, not nto the overall			

besign value to be only with these Contractions. This besign is based only door parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual russ 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 Cuality Criteria**, **DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692866
2630568	A18	Roof Special Girder	1	1	
					Job Reference (optional)
Builders FirstSource (Valley Center) Valley Center KS - 67147				8 240 s M	ar 9 2020 MiTek Industries Inc. Fri Feb 5 10:23:14 2021 Page 2

ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-bLDeHGwJ9xF4LFmFnsMBpTbo1J_9YZBL4BrQaRzoDIB

NOTES-

13) Fill all nail holes where hanger is in contact with lumber.

14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 880 lb down and 284 lb up at 6-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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

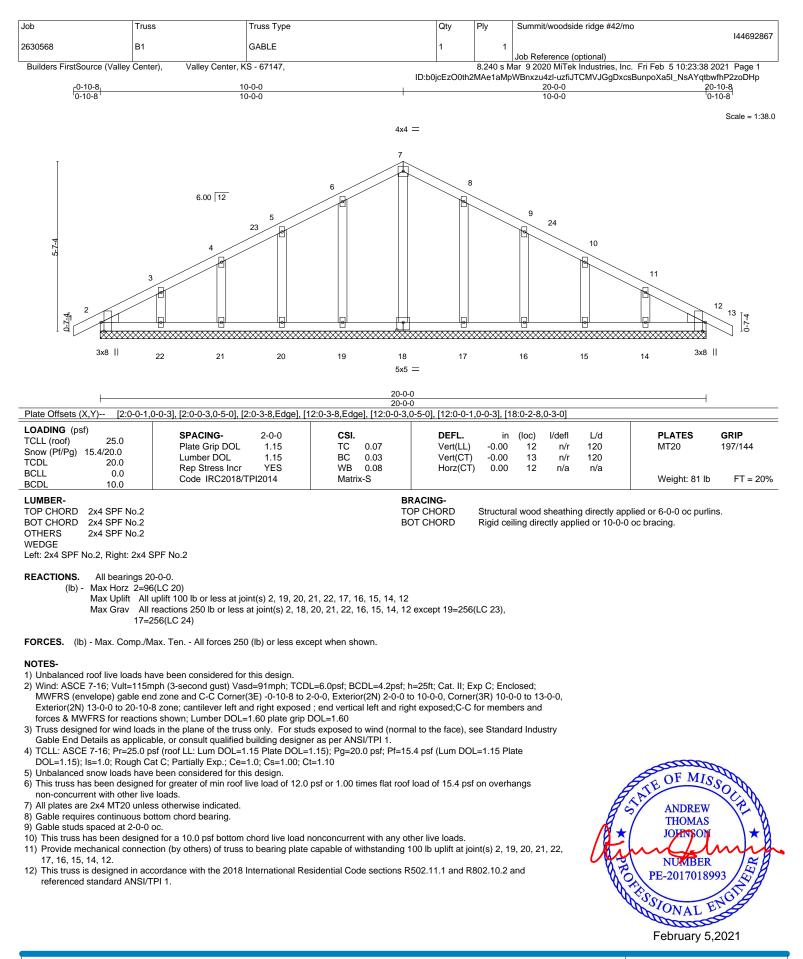
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

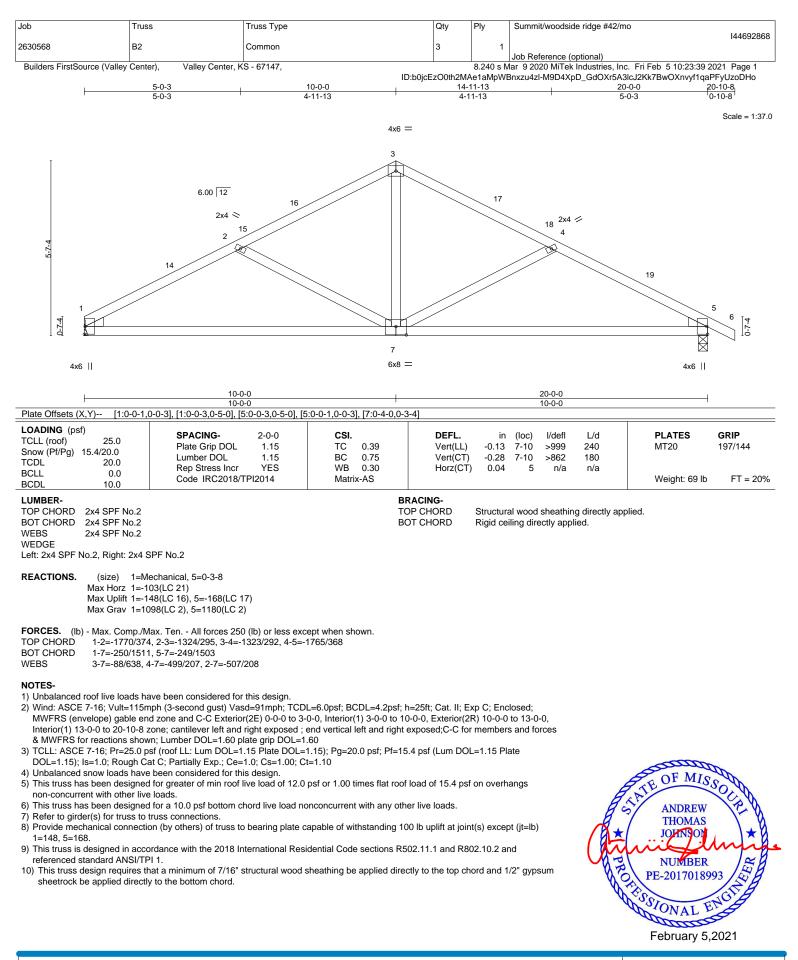
Uniform Loads (plf)

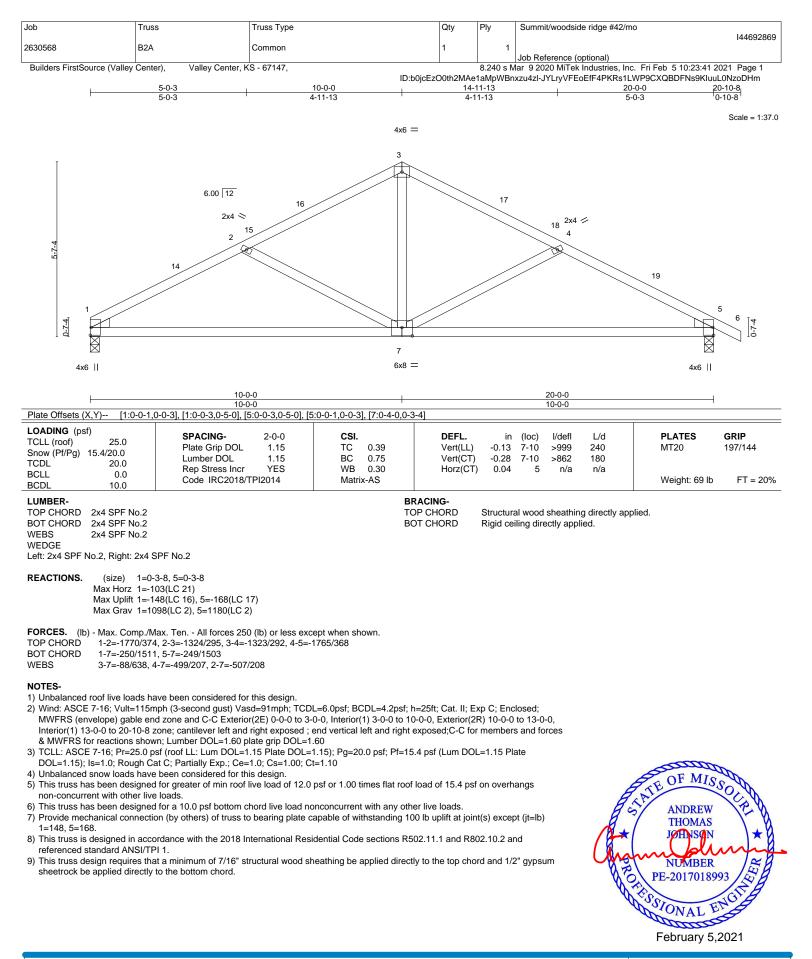
Vert: 1-3=-71, 3-9=-81, 9-10=-71, 10-11=-71, 11-12=-81, 12-13=-71, 22-25=-20, 20-21=-20, 14-19=-20 Concentrated Loads (lb)

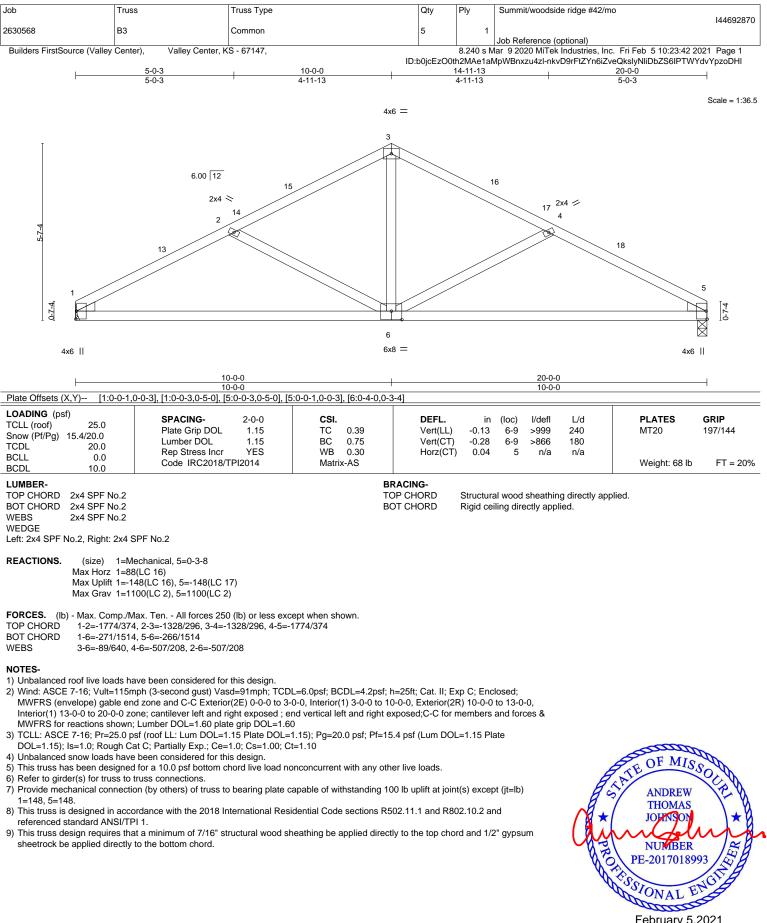
Vert: 24=-880(B) 33=-347(B) 34=-347(B)





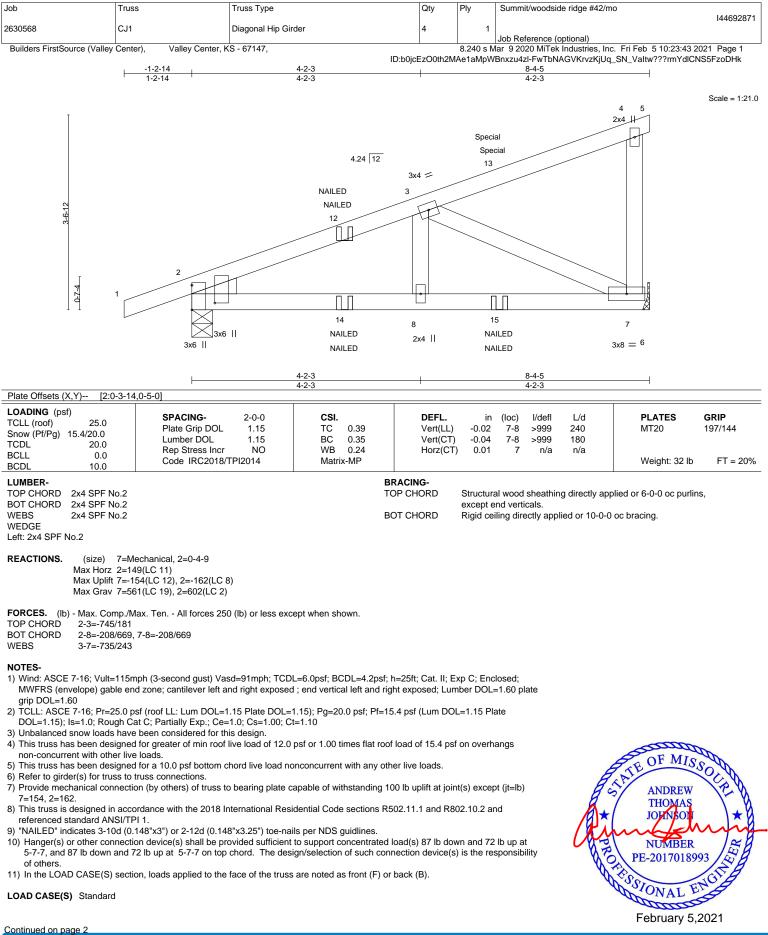






February 5,2021





MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692871
2630568	CJ1	Diagonal Hip Girder	4	1	
					Job Reference (optional)
Builders FirstSource (Valley Center), Valley Center, KS - 67147,				8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:43 2021 Page 2

8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:43 2021 Page 2 ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-FwTbNAGVKrvzKjUq_SN_Valtw???rmYdlCNS5FzoDHk

LOAD CASE(S) Standard

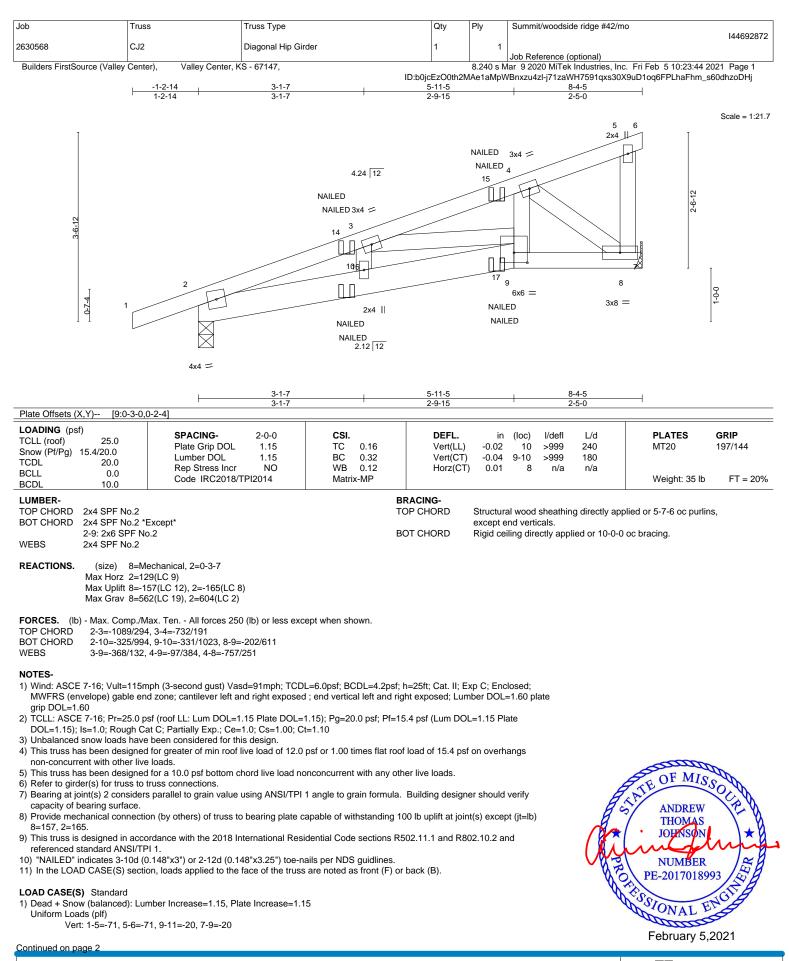
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-4=-71, 4-5=-71, 6-9=-20

Concentrated Loads (lb)

Vert: 13=-113(F=-56, B=-56) 14=-13(F=-7, B=-7) 15=-68(F=-34, B=-34)







Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692872
2630568	CJ2	Diagonal Hip Girder	1	1	Joh Deference (entional)
		0 074.47			Job Reference (optional)

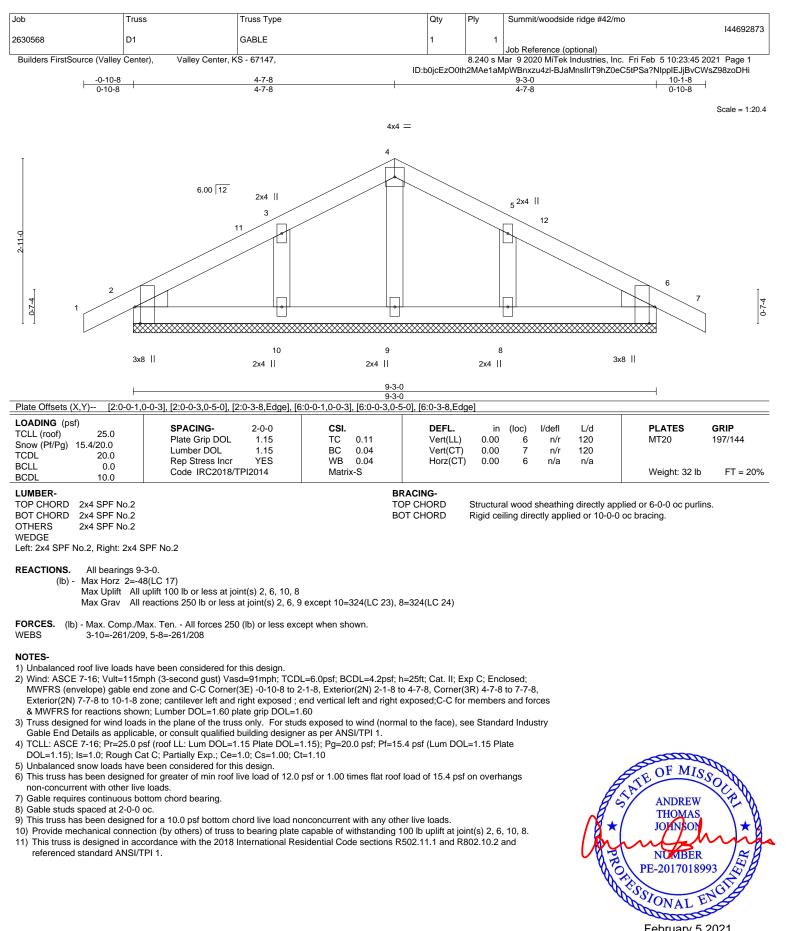
Builders FirstSource (Valley Center), Valley Center, KS - 67147,

8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:44 2021 Page 2 ID:b0jcEzO0th2MAe1aMpWBnxzu4zl-j71zaWH7591qxs30X9uD1oq6FPLhaFhm_s60dhzoDHj

LOAD CASE(S) Standard Concentrated Loads (Ib)

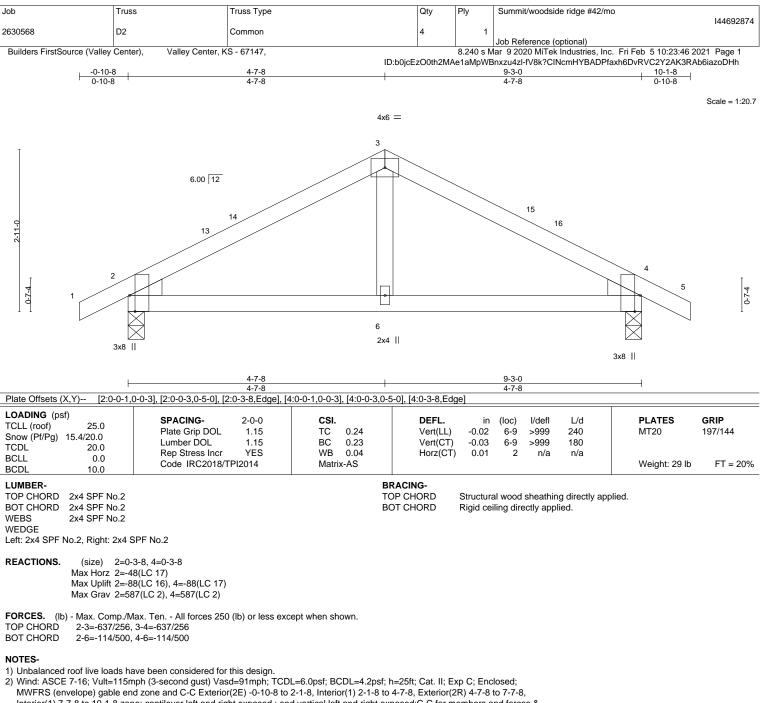
Vert: 15=-80(F=-40, B=-40) 16=-16(F=-8, B=-8) 17=-101(F=-50, B=-50)





February 5,2021

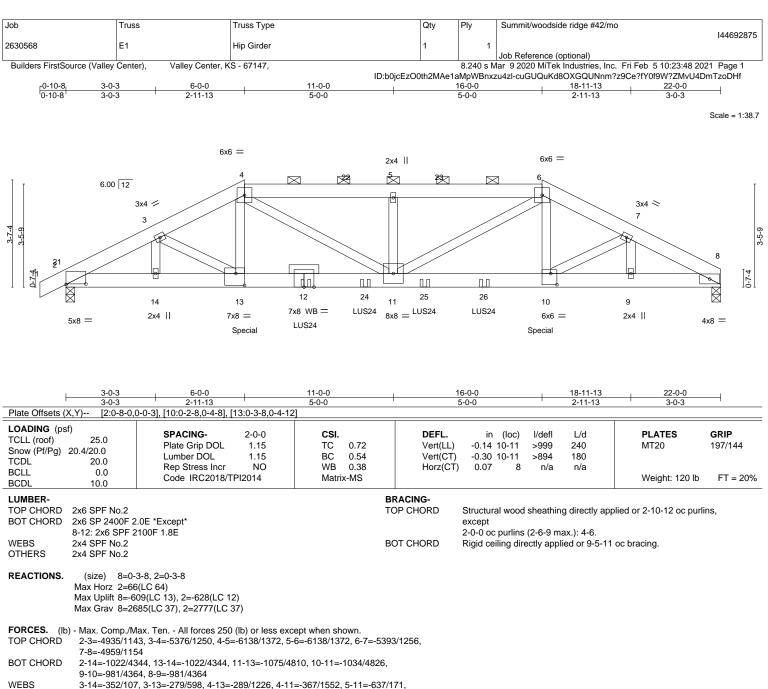
MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017



- Interior(1) 7-7-8 to 10-1-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces &
- MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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) 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.







WEBS 3-14=-352/107, 3-13=-279/598, 4-13=-289/1226, 4-11=-367/1552, 6-11=-362/1533, 6-10=-295/1245, 7-10=-298/595, 7-9=-341/105

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=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=609, 2=628.

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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at

- 8-0-12 from the left end to 14-0-12 to connect truss(es) to back face of bottom chord.
- 12) Fill all nail holes where hanger is in contact with lumber.

Continued on page 2





	Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
						144692875
	2630568	E1	Hip Girder	1	1	
						Job Reference (optional)
	Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,		8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:48 2021 Page 2
ID:b0jcEz00th2MAe1aMpWBnxzu4zI-cuGUQuKd8OXGQUNnm?z9Ce?fY0f9W?ZMvU4Dn					u4zl-cuGUQuKd8OXGQUNnm?z9Ce?fY0f9W?ZMvU4DmTzoDHf	

NOTES-

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 880 lb down and 284 lb up at 6-0-0, and 880 lb down and 284 lb up at 15-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

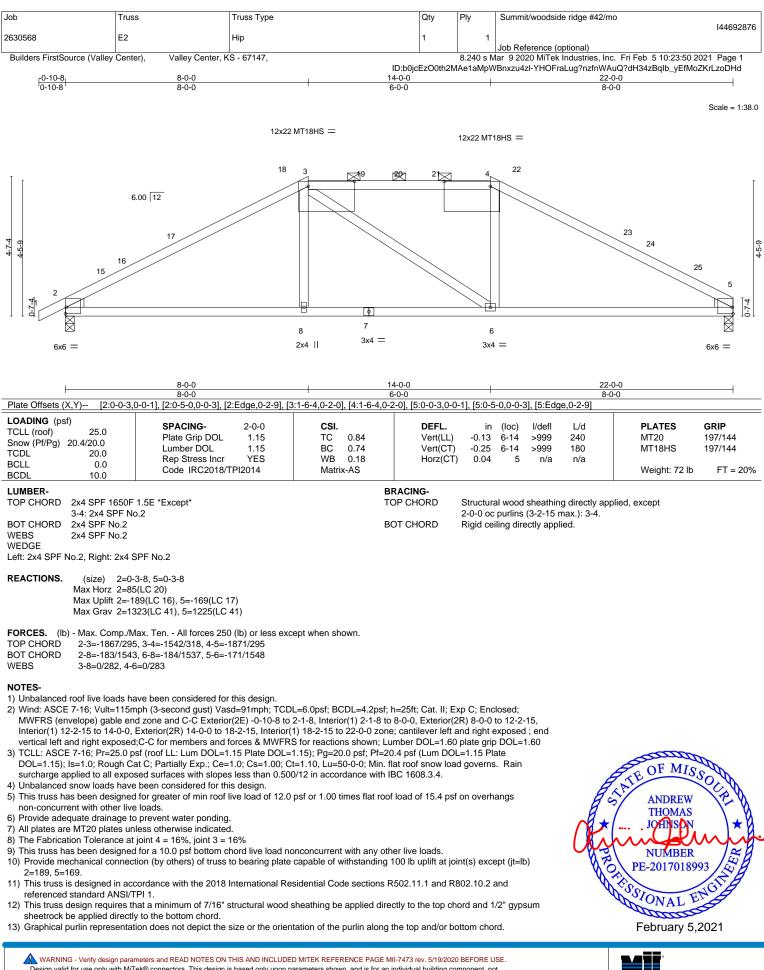
LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

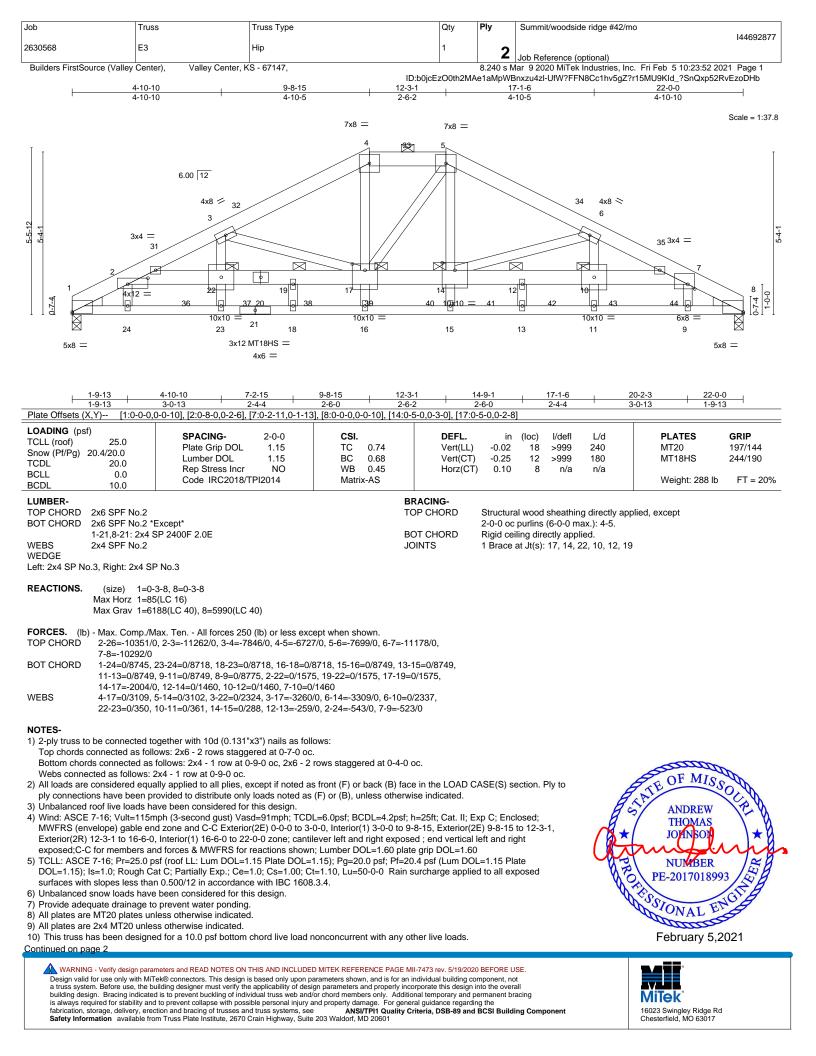
Uniform Loads (plf) Vert: 1-4=-71, 4-6=-81, 6-8=-71, 15-18=-20

Concentrated Loads (lb)

Vert: 12=-347(B) 13=-880(B) 10=-880(B) 24=-347(B) 25=-347(B) 26=-347(B)







Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692877
2630568	E3	Hip	1	2	
				2	Job Reference (optional)
Builders FirstSource (Valley	Builders FirstSource (Valley Center), Valley Center, KS - 67147,			8.240 s N	lar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:52 2021 Page 2

ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-UfW?FFN8Cc1hv5gZ?r15MU9KId_?SnQxp52RvEzoDHb

NOTES-

11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss

- 13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s). The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

- Uniform Loads (plf)
- Vert: 1-4=-71, 4-5=-81, 5-8=-71, 25-28=-20, 2-7=-20
- Concentrated Loads (lb)
- Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
- 2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf) Vert: 1-4=-90, 4-5=-90, 5-8=-90, 25-28=-20, 2-7=-20
- Concentrated Loads (lb)

Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

- Uniform Loads (plf)
 - Vert: 1-4=-77, 4-5=-78, 5-8=-77, 25-28=-20, 2-7=-20
- Concentrated Loads (lb)

Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 40=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 41=-915(F) 41=-91

- Uniform Loads (plf)
- Vert: 1-4=-63, 4-5=-71, 5-8=-63, 25-28=-20, 2-7=-20
- Concentrated Loads (lb) Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf)
 - Vert: 1-32=-63, 4-32=-78, 4-5=-78, 5-8=-47, 25-28=-20, 2-7=-20
- Concentrated Loads (lb)
- Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf)
 - Vert: 1-4=-47, 4-5=-78, 5-34=-78, 8-34=-63, 25-28=-20, 2-7=-20
- Concentrated Loads (lb) Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
 - Vert: 1-4=-40, 4-5=-40, 5-8=-40, 9-25=-40, 9-28=-20, 2-7=-40
- Concentrated Loads (lb)
- Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
 - Uniform Loads (plf)
 - Vert: 1-31=29, 4-31=20, 4-5=29, 5-34=29, 8-34=20, 25-28=-8, 2-7=-8
- Horz: 1-31=-41, 4-31=-32, 5-34=41, 8-34=32
- Concentrated Loads (lb)
- Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
- 9) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
 - Uniform Loads (plf)
 - Vert: 1-32=20, 4-32=29, 4-5=29, 5-35=20, 8-35=29, 25-28=-8, 2-7=-8
 - Horz: 1-32=-32, 4-32=-41, 5-35=32, 8-35=41
 - Concentrated Loads (lb)

Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 10) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

- Vert: 1-4=-56, 4-5=-56, 5-8=-56, 25-28=-20, 2-7=-20
- Horz: 1-4=16, 5-8=-16
- Concentrated Loads (lb)

Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 11) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60

- Uniform Loads (plf)
 - Vert: 1-4=-56, 4-5=-56, 5-8=-56, 25-28=-20, 2-7=-20
 - Horz: 1-4=16, 5-8=-16
 - Concentrated Loads (lb)

Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 12) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

- Uniform Loads (plf) Vert: 1-4=0, 4-5=29, 5-8=13, 25-28=-8, 2-7=-8
 - Horz: 1-4=-12, 5-8=25
- Concentrated Loads (lb)

Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)

Continued on page 3



Job	Truss	Truss Type	Q	ty	Ply	Summit/woodside ridge #42/mo	144692877
2630568	E3	Hip	1		2		144092677
Builders FirstSource	e (Valley Center), Valley	/ Center, KS - 67147,				Job Reference (optional) 1ar 9 2020 MiTek Industries, Inc. Fri Feb 5 10	:23:52 2021 Page 3
			ID:b0jcEzO	0th2MA	e1aMpWE	8nxzu4zl-UfW?FFN8Cc1hv5gZ?r15MU9KId_?S	SnQxp52RvEzoDHb
LOAD CASE(S)							
 Dead + 0.6 MV Uniform Loads 	. ,	Right: Lumber Increase=1.60, Plate Inc	crease=1.60				
Vert: 7	1-4=13, 4-5=29, 5-8=0, 25-2	28=-8, 2-7=-8					
Horz: Concentrated	1-4=-25, 5-8=12						
		915(F) 38=-915(F) 39=-915(F) 40=-915	5(F) 41=-915(F) 42=-9	915(F) 4	43=-915(F) 44=-915(F)	
14) Dead + 0.6 MV	WFRS Wind (Neg. Internal)	Left: Lumber Increase=1.60, Plate Incr		. ,		, , , ,	
Uniform Loads	s (pit) 1-4=-40, 4-5=-11, 5-8=-27, 2	25-28=-20 2-7=-20					
	1-4=-0, 5-8=13						
Concentrated		015(E) 28 015(E) 20 015(E) 40 015		15(E)	12 015/5	() 44- 015/E)	
		915(F) 38=-915(F) 39=-915(F) 40=-915 Right: Lumber Increase=1.60, Plate In		915(F) 4	43=-915(F) 44=-915(F)	
Uniform Loads	s (plf)	-					
	1-4=-27, 4-5=-11, 5-8=-40, 2 1-4=-13, 5-8=0	25-28=-20, 2-7=-20					
Concentrated							
		915(F) 38=-915(F) 39=-915(F) 40=-915		915(F) 4	43=-915(F) 44=-915(F)	
16) Dead + 0.6 MV Uniform Loads	. ,	1st Parallel: Lumber Increase=1.60, Pl	ate Increase=1.60				
	1-4=29, 4-33=29, 5-33=11,	5-8=11, 25-28=-8, 2-7=-8					
	1-4=-41, 5-8=23						
Concentrated Vert: 2		915(F) 38=-915(F) 39=-915(F) 40=-915	5(F) 41=-915(F) 42=-9	915(F) 4	43=-915(F) 44=-915(F)	
		2nd Parallel: Lumber Increase=1.60, P		,,		,,	
Uniform Loads	u ,						
	1-4=11, 4-33=11, 5-33=29, 1-4=-23, 5-8=41	5-8=29, 25-28=-8, 2-7=-8					
Concentrated	Loads (lb)						
		915(F) 38=-915(F) 39=-915(F) 40=-915 3rd Parallel: Lumber Increase=1.60, Pl		915(F) 4	43=-915(F) 44=-915(F)	
Uniform Loads							
	1-4=16, 4-33=16, 5-33=6, 5	-8=6, 25-28=-8, 2-7=-8					
Horz: Concentrated	1-4=-28, 5-8=18 Loads (lb)						
Vert: 2	2=-915(F) 36=-915(F) 37=-9	915(F) 38=-915(F) 39=-915(F) 40=-915		915(F) 4	43=-915(F) 44=-915(F)	
,	. ,	4th Parallel: Lumber Increase=1.60, PI	ate Increase=1.60				
Uniform Loads Vert:	, (pii) 1-4=6, 4-33=6, 5-33=16, 5-8	3=16, 25-28=-8, 2-7=-8					
Horz:	1-4=-18, 5-8=28						
Concentrated		915(F) 38=-915(F) 39=-915(F) 40=-915	5(F) 41=-915(F) 42=-9	15(F) 4	43915(F) 44=-915(F)	
		1st Parallel: Lumber Increase=1.60, Pl		/10(1)-	1)010 = 010) ++= 313(1)	
Uniform Loads	u ,						
	1-4=-11, 4-33=-11, 5-33=-29 1-4=-29, 5-8=11	9, 5-8=-29, 25-28=-20, 2-7=-20					
Concentrated	Loads (lb)						
		915(F) 38=-915(F) 39=-915(F) 40=-915 2nd Parallel: Lumber Increase=1.60, F		915(F) 4	43=-915(F) 44=-915(F)	
Uniform Loads		Znu Falallel. Lumber increase=1.00, F	Tate increase=1.00				
		1, 5-8=-11, 25-28=-20, 2-7=-20					
Horz: Concentrated	1-4=-11, 5-8=29 Loads (lb)						
		915(F) 38=-915(F) 39=-915(F) 40=-915	5(F) 41=-915(F) 42=-9	915(F) 4	43=-915(F) 44=-915(F)	
		ase=1.15, Plate Increase=1.15					
Uniform Loads Vert:		1, 5-8=-49, 25-28=-20, 2-7=-20					
Concentrated		.,					
		915(F) 38=-915(F) 39=-915(F) 40=-915 ease=1.15, Plate Increase=1.15	5(F) 41=-915(F) 42=-9	915(F) 4	43=-915(F) 44=-915(F)	
Uniform Loads		ease=1.15, Plate Increase=1.15					
Vert: 7	1-4=-49, 4-5=-91, 5-34=-91,	8-34=-71, 25-28=-20, 2-7=-20					
Concentrated		915(F) 38=-915(F) 39=-915(F) 40=-915	5(F) 41=-915(F) 420	15(F)	43=-915/5) 44=-915(F)	
	Increase=0.90, Plate Incre		,, , , , = 010(1) 4 2=-8			,	
Uniform Loads		25 28 20 2 7 20					
Vert: Concentrated	1-4=-40, 4-5=-40, 5-8=-40, 2 Loads (lb)	20-20=-20, 2-1=-20					
Vert: 2	2=-915(F) 36=-915(F) 37=-9	915(F) 38=-915(F) 39=-915(F) 40=-915) 44=-915(F)	
,	. , .	RS Wind (Neg. Int) Left): Lumber Incre	ase=1.60, Plate Incre	ase=1.	60		
Uniform Loads Vert:	s (plf) 1-4=-63, 4-5=-49, 5-8=-53, 2	25-28=-20. 2-7=-20					
Horz:	1-4=-0, 5-8=10						
Concentrated					12 04 5/5	() 44-015(E)	
vert: 2	2=-310(F) 30=-915(F) 3/=-5	915(F) 38=-915(F) 39=-915(F) 40=-915	ארן 4 ו=-9 וס(ד) 42=-9 ארן 42=-9	713(F) 4	+2=-A12(F	/ ++=-915(F)	

Continued on page 4



Job	Truss		Truss Type		Qty	Ply	Summit/woodsi	de ridge #42/mo		1440000
2630568	E3		Hip		1	2				144692877
Builders FirstSource (Va	llev Center)	Valley C	enter, KS - 67147,			8 240 s		optional) < Industries, Inc. Fri I	Feb 5 10:23:52 2021	1 Page 4
Duiders Firstoource (Ve	ney Center),	valley Ce		ID:b0jcE	zO0th2M			N8Cc1hv5gZ?r15ML		
LOAD CASE(S) Stand	dard									
		0.6 MWFRS	Wind (Neg. Int) Right): Lumbe	er Increase=1.60, Plate	Increase=	1.60				
Uniform Loads (plf) Vert: 1-4=		5-8=-63. 25-	-28=-20, 2-7=-20							
Horz: 1-4=	-10, 5-8=0	,	,							
Concentrated Load	· · /	5(F) 37=-915	5(F) 38=-915(F) 39=-915(F) 40)=-915(F) 41=-915(F) 42	915(F)	43=-915(F) 44=-915(F)			
			Wind (Neg. Int) 1st Parallel):							
Uniform Loads (plf)		F 00 00 /								
Vert: 1-4= Horz: 1-4=		5-33=-62, 5	5-8=-55, 25-28=-20, 2-7=-20							
Concentrated Load	s (lb)									
			5(F) 38=-915(F) 39=-915(F) 40 5 Wind (Neg. Int) 2nd Parallel):							
Uniform Loads (plf)		J.0 IVIVIERO	wind (Neg. Int) zhd Parallel).	Lumber increase=1.60,	Flate Inc	rease=1.0	50			
Vert: 1-4=	55, 4-33=-62	, 5-33=-49, 5	5-8=-41, 25-28=-20, 2-7=-20							
Horz: 1-4= Concentrated Load	,									
		5(F) 37=-915	5(F) 38=-915(F) 39=-915(F) 40)=-915(F) 41=-915(F) 42	=-915(F)	43=-915(F) 44=-915(F)			
,	. ,	.75(0.6 MWF	FRS Wind (Neg. Int) Left): Lun	ber Increase=1.60, Plat	te Increas	e=1.60				
Uniform Loads (plf) Vert: 1-4=		5-8=-68 25-	-28=-20, 2-7=-20							
Horz: 1-4=		,								
Concentrated Load		(E) 27 016	5(F) 38=-915(F) 39=-915(F) 40	015(E) 41-015(E) 45	01E(E)	12 015(E) 44- 015(E)			
			FRS Wind (Neg. Int) Right): Lu				F) 44=-915(F)			
Uniform Loads (plf)	. ,									
Vert: 1-4≕ Horz: 1-4=		5-8=-77, 25-	-28=-20, 2-7=-20							
Concentrated Load	,									
			5(F) 38=-915(F) 39=-915(F) 40							
31) Dead + 0.75 Root I Uniform Loads (plf)		75(0.6 MWF	FRS Wind (Neg. Int) 1st Parall	el): Lumber Increase=1.	60, Plate	Increase=	=1.60			
u ,		, 5-33=-69, 5	5-8=-69, 25-28=-20, 2-7=-20							
Horz: 1-4=	,									
Concentrated Load Vert: 2=-9		5(F) 37=-915	5(F) 38=-915(F) 39=-915(F) 40)=-915(F) 41=-915(F) 42	=-915(F)	43=-915(F) 44=-915(F)			
,	. ,	75(0.6 MWF	FRS Wind (Neg. Int) 2nd Paral	lel): Lumber Increase=1	.60, Plate	Increase	=1.60			
Uniform Loads (plf)		5-3356 6	5-8=-56, 25-28=-20, 2-7=-20							
Horz: 1-4=		0 00- 00, 0	5 0= 50, 25 20= 20, 2 7= 20							
Concentrated Load	. ,	(5) 07 045				40 0454				
			5(F) 38=-915(F) 39=-915(F) 40 crease=1.60, Plate Increase=1		=-915(F)	43=-915(F) 44=-915(F)			
Uniform Loads (plf)										
		5-8=-28, 25-	-28=-8, 2-7=-8							
Concentrated Load	16, 5-8=-16 s (lb)									
Vert: 2=-9	15(F) 36=-915		5(F) 38=-915(F) 39=-915(F) 40		e-915(F)	43=-915(F) 44=-915(F)			
34) Dead + 0.6 C-C Wi Uniform Loads (plf)		rd: Lumber	Increase=1.60, Plate Increase	=1.60						
	4, 4-5=4, 5-8=	4, 25-28=-8	, 2-7=-8							
	-16, 5-8=16									
Concentrated Load Vert: 2=-9		5(F) 37=-915	5(F) 38=-915(F) 39=-915(F) 40)=-915(F) 41=-915(F) 42	=-915(F)	43=-915(F) 44=-915(F)			
35) 3rd Dead + 0.75 Sr	now (Unbal. L		Increase=1.15, Plate Increase		()	(/			
Uniform Loads (plf)		5-817 25-	-28=-20, 2-7=-20							
Concentrated Load	, ,	5-0=-47, 25-	20-20, 2-7-20							
			5(F) 38=-915(F) 39=-915(F) 40		e-915(F)	43=-915(F) 44=-915(F)			
36) 4th Dead + 0.75 Sr Uniform Loads (plf)		eft): Lumber	Increase=1.15, Plate Increase	∋ =1.15						
u ,		8, 4-5=-47, 5	5-8=-47, 25-28=-20, 2-7=-20							
Concentrated Load	. ,	(5) 07 045				40 0454				
			5(F) 38=-915(F) 39=-915(F) 40 er Increase=1.15, Plate Increa		=-915(F)	43=-915(F) 44=-915(F)			
Uniform Loads (plf)										
Vert: 1-4≕ Concentrated Load		5-8=-47, 25-	-28=-20, 2-7=-20							
		5(F) 37=-915	5(F) 38=-915(F) 39=-915(F) 40)=-915(F) 41=-915(F) 42	=-915(F)	43=-915(F) 44=-915(F)			
38) 6th Dead + 0.75 Sr	now (Unbal. R		er Increase=1.15, Plate Increa		. /	,				
Uniform Loads (plf) Vert: 1-4=		5-35=-78 8-	-35=-63, 25-28=-20, 2-7=-20							
		, 55- 70, 6-	00-00, 20 20-20, 2-1-20							
Concentrated Load										
Vert: 2=-9	15(F) 36=-915		5(F) 38=-915(F) 39=-915(F) 40 el: Lumber Increase=1.15, Plat		e-915(F)	43=-915(F) 44=-915(F)			

Continued on page 5



Job	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo
					144692877
2630568	E3	Hip	1	2	
				_	Job Reference (optional)
Builders FirstSourc	e (Valley Center), Va	lley Center, KS - 67147,		8.240 s N	Aar 9 2020 MiTek Industries, Inc. Fri Feb 5 10:23:52 2021 Page 5
		.,			

ID:b0jcEzO0th2MAe1aMpWBnxzu4zI-UfW?FFN8Cc1hv5gZ?r15MU9KId_?SnQxp52RvEzoDHb

LO	AD CASE(S) Standard
	Uniform Loads (plf)
	Vert: 1-4=-49, 4-5=-107, 5-8=-49, 25-28=-20, 2-7=-20
40)	Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 8th Linkel Dead - Seew (holesed) - December 1952000, 115
40)	8th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
	Vert: 1-4=-107, 4-5=-49, 5-8=-107, 25-28=-20, 2-7=-20
	Concentrated Loads (lb)
	Vert: 2e-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
41)	9th Unbal. Dead + Snow (Unbal. Left) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
,	Uniform Loads (plf)
	Vert: 1-4=-49, 4-5=-91, 5-8=-49, 25-28=-20, 2-7=-20
	Concentrated Loads (lb)
	Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
42)	10th Unbal.Dead + Snow (Unbal. Left) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (plf)
	Vert: 1-31=-71, 4-31=-91, 4-5=-49, 5-8=-49, 25-28=-20, 2-7=-20
	Concentrated Loads (lb) Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
43)	11th Unbal.Dead + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
	Uniform Locads (pIf)
	Vert: 1-4=-49, 4-5=-91, 5-8=-49, 25-28=-20, 2-7=-20
	Concentrated Loads (lb)
	Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
44)	12th Unbal.Dead + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (plf)
	Vert: 1-4=-49, 4-5=-49, 5-35=-91, 8-35=-71, 25-28=-20, 2-7=-20
	Concentrated Loads (b)
45)	Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 42=-915(F) 42=-91
45)	13th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (plf) Vert: 1-4=-47, 4-5=-91, 5-8=-47, 25-28=-20, 2-7=-20
	Vert: 2e-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
46)	14th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (plf)
	Vert: 1-4=-91, 4-5=-47, 5-8=-91, 25-28=-20, 2-7=-20
	Concentrated Loads (Ib)
47)	Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F) 41=-915(F) 42=-915(F) 42=-91
47)	15th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)
	Vert: 1-4=-47, 4-5=-69, 5-8=-37, 25-28=-20, 2-7=-20
	Horz: 1-4=-0, 5-8=10
	Concentrated Loads (lb)
	Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
48)	16th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
	Uniform Loads (plf)
	Vert: 1-4=-90, 4-5=-25, 5-8=-81, 25-28=-20, 2-7=-20
	Horz: 1-4=-0, 5-8=10
	Concentrated Loads (lb) Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
49)	17th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase 1.60. Plate
10)	Increase=1.60
	Uniform Loads (plf)
	Vert: 1-4=-37, 4-5=-69, 5-8=-47, 25-28=-20, 2-7=-20
	Horz: 1-4=-10, 5-8=0
	Concentrated Loads (Ib)
	Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
50)	18th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate
	Increase=1.60 Uniform Loads (plf)
	Vert: 1-4=-81, 4-5=-25, 5-8=-90, 25-28=-20, 2-7=-20
	Hor: 1-401, +0-20, 50-30, 20-20, 21-20 Hor: 1-401, 5-8-0
	Concentrated Loads (b)
	Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
51)	19th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate
,	Increase=1.60
	Uniform Loads (plf)
	Vert: 1-4=-25, 4-33=-69, 5-33=-82, 5-8=-38, 25-28=-20, 2-7=-20
	Horz: 1-4=-22, 5-8=9
	Concentrated Loads (lb) Vert: 2=-915(F) 36=-915(F) 37=-915(F) 38=-915(F) 39=-915(F) 40=-915(F) 41=-915(F) 42=-915(F) 43=-915(F) 44=-915(F)
52)	20th Unbal.Dead + 0.75 Snow (unbal.) + $0.75(0.6$ MWFRS Wind (Neq. Int) 1st Parallel): Lumber Increase=1.60, Plate
52)	Increase 1.60

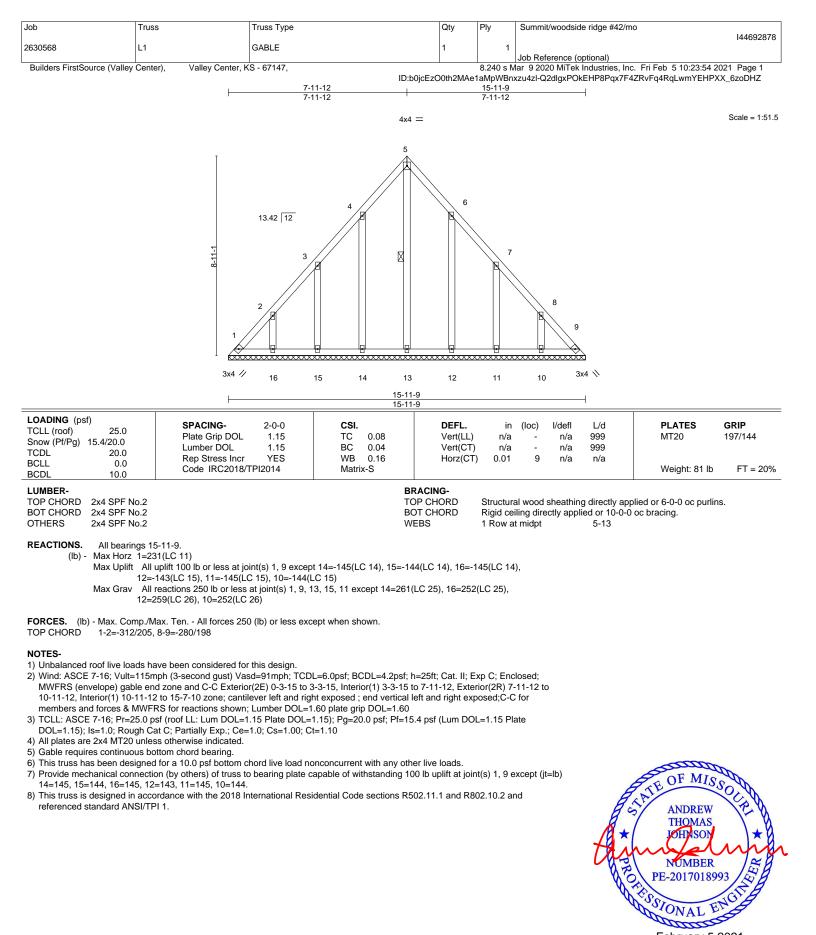
Continued on page 6

Increase=1.60



ob	Truss	Truss Type	Qty	Ply	Summit/woodside ridge #42/mo	
	-					14469287
630568	E3	Hip	1	2		
Builders FirstSource (V	allov Contor) Valle	ey Center, KS - 67147,			Job Reference (optional) Mar 9 2020 MiTek Industries, Inc. Fri Feb 5 10	0.22.52.2021 Dago 6
Dulluers FirstSource (V	alley Ceriter), Valle	ey Center, KS - 67 147,			Bnxzu4zl-UfW?FFN8Cc1hv5gZ?r15MU9KId_?	
			10.00je2200011210	Actamp	Sixzu4zi-Oliviii Thoociniu3gzii T5ivi09Riu_ii	ShavpSziwczobi ib
LOAD CASE(S) Stan	dord					
Uniform Loads (pl						
u u	/	38, 5-8=-82, 25-28=-20, 2-7=-20				
	=-22, 5-8=9	50, 5-0=-02, 25-20=-20, 2-7=-20				
Concentrated Loa						
	. ,	-915(F) 38=-915(F) 39=-915(F) 40=-915(F)	E) 11015(E) 12015(E)	13-015/	=) 11015(E)	
		0.75(0.6 MWFRS Wind (Neg. Int) 2nd Pa				
Uniform Loads (pl		0.75(0.0 WW1 105 Wild (Neg. III) 210 1 a	Tallel). Lumber increase=	1.00, 1 1410	- Increase= 1.00	
u	,	69, 5-8=-25, 25-28=-20, 2-7=-20				
	=-9. 5-8=22	00, 0 0= 20, 20 20= 20, 2 7= 20				
Concentrated Loa	-,					
		-915(F) 38=-915(F) 39=-915(F) 40=-915(F)	F) 41=-915(F) 42=-915(F)	43=-915/	F) 44=-915(F)	
		+ 0.75(0.6 MWFRS Wind (Neg. Int) 2nd P				
Uniform Loads (pl				-1.00, 1 101		
u u	/	25, 5-8=-69, 25-28=-20, 2-7=-20				
	=-9, 5-8=22	20, 0 0 00, 20 20 20 20, 2 1 20				
Concentrated Loa	,					
	. ,	-915(F) 38=-915(F) 39=-915(F) 40=-915(F)	F) 41=-915(F) 42=-915(F)	43=-915(F) 44=-915(F)	
		ber Increase=1.15, Plate Increase=1.15	,,		,,	
Uniform Loads (pl						
	, -90, 4-5=-90, 5-8=-40,	, 25-28=-20, 2-7=-20				
Concentrated Loa		,, -				
Vert: 2=-9	15(F) 36=-915(F) 37=	-915(F) 38=-915(F) 39=-915(F) 40=-915(F)	F) 41=-915(F) 42=-915(F)	43=-915(F	⁻) 44=-915(F)	
56) 2nd Dead + Roof	.ive (unbalanced): Lun	nber Increase=1.15, Plate Increase=1.15	, , , , ,	``	, , ,	
Uniform Loads (pl) ` ´					
Vert: 1-4=	-40, 4-5=-90, 5-8=-90,	, 25-28=-20, 2-7=-20				
Concentrated Loa	ds (lb)					
Vert: 2=-9	15(F) 36=-915(F) 37=	-915(F) 38=-915(F) 39=-915(F) 40=-915(F)	F) 41=-915(F) 42=-915(F)	43=-915(F	^F) 44=-915(F)	
57) 3rd Dead + 0.75 R	oof Live (unbalanced)	: Lumber Increase=1.15, Plate Increase="	1.15			
Uniform Loads (pl)					
Vert: 1-4=	-77, 4-5=-78, 5-8=-40,	, 25-28=-20, 2-7=-20				
Concentrated Loa	ds (lb)					
		-915(F) 38=-915(F) 39=-915(F) 40=-915(F)		43=-915(F	⁻) 44=-915(F)	
,	()	: Lumber Increase=1.15, Plate Increase=1	.15			
Uniform Loads (pl						
	-40, 4-5=-78, 5-8=-77,	25-2820 2-720				
		, 23-20=-20, 2-7=-20				
Concentrated Loa	ds (lb)	-915(F) 38=-915(F) 39=-915(F) 40=-915(F)				



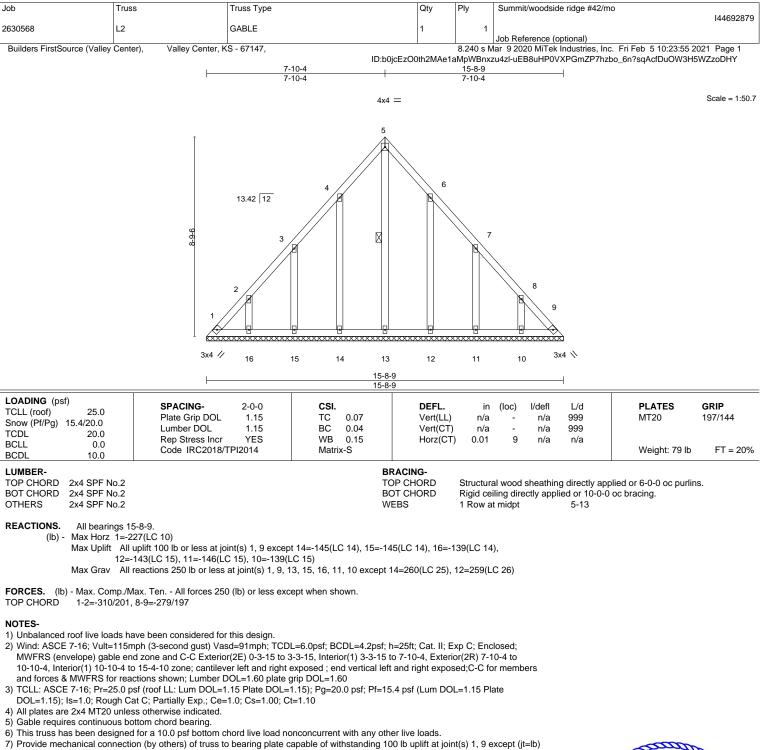


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



E

February 5,2021

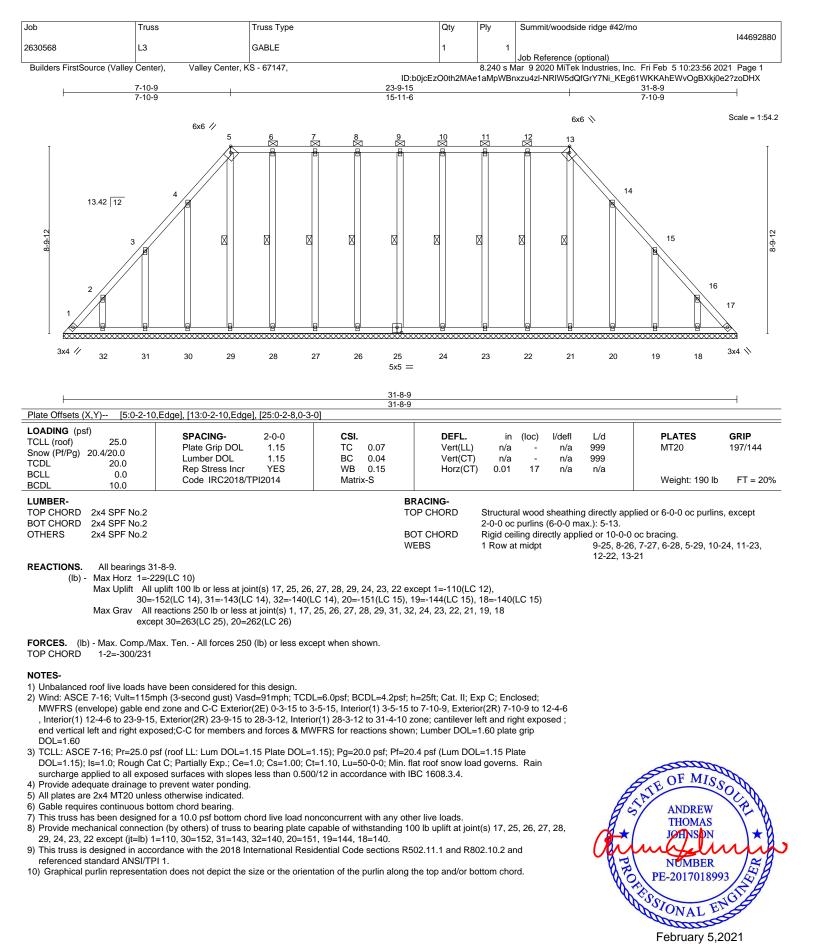


14=145, 15=145, 16=139, 12=143, 11=146, 10=139.

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.

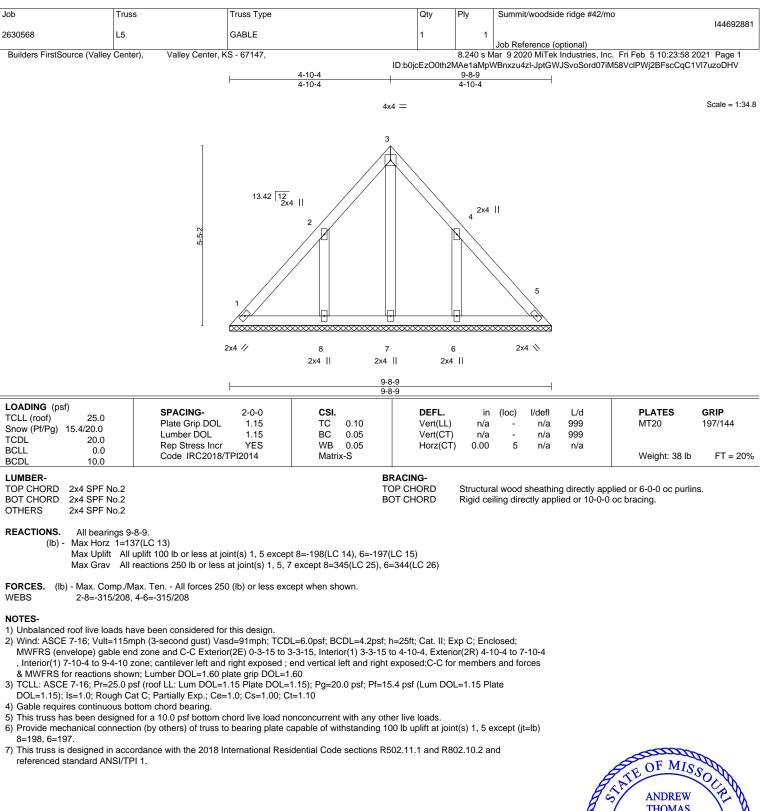






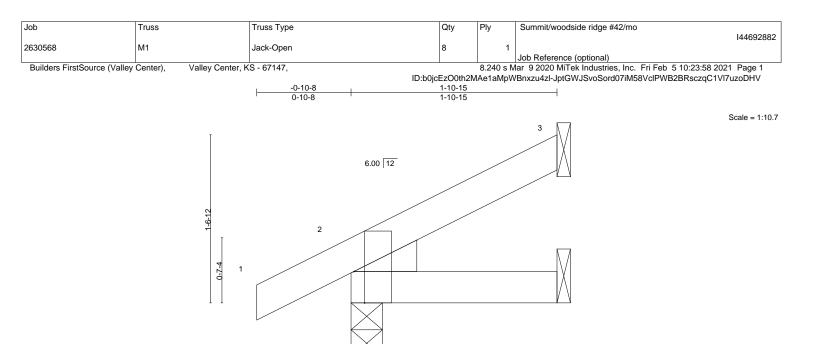












1-10-15	
1-10-15	

TOP CHORD

BOT CHORD

4

Structural wood sheathing directly applied or 1-10-15 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0 TCDL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.07 BC 0.03 WB 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (lo -0.00 -0.00 0.00	c) l/de 7 >99 7 >99 3 n/	9 240 9 180	PLATES MT20	GRIP 197/144
BCLL 0.0 BCDL 10.0	Code IRC2018/TPI2014	Matrix-MP					Weight: 7 lb	FT = 20%

3x8 II

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEDGE Left: 2x4 SPF No.2

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical Max Horz 2=54(LC 16)

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

Max Uplift 3=-27(LC 16), 2=-28(LC 16), 4=-4(LC 16) Max Grav 3=62(LC 23), 2=206(LC 23), 4=35(LC 7)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 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.





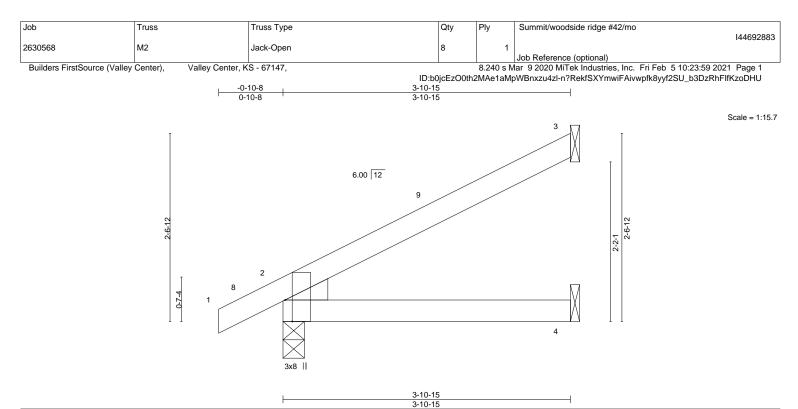


Plate Offsets (X,Y) [2:0-0-1	,0-0-3], [2:0-0-3,0-5-0], [2:0-3-8,Edge]							
LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0 TCDL 20.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.25 BC 0.21 WB 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.02 4-7 -0.03 4-7 0.01 2	>999 >999	L/d 240 180 n/a	PLATES MT20	GRIP 197/144
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MP					Weight: 11 lb	FT = 20%
LUMBER-		BR	ACING-					

TOP CHORD

BOT CHORD

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEDGE Left: 2x4 SPF No.2

REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical Max Horz 2=94(LC 16) Max Uplift 3=-60(LC 16), 2=-36(LC 16), 4=-3(LC 16) Max Grav 3=156(LC 23), 2=325(LC 23), 4=76(LC 7)

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

NOTES-

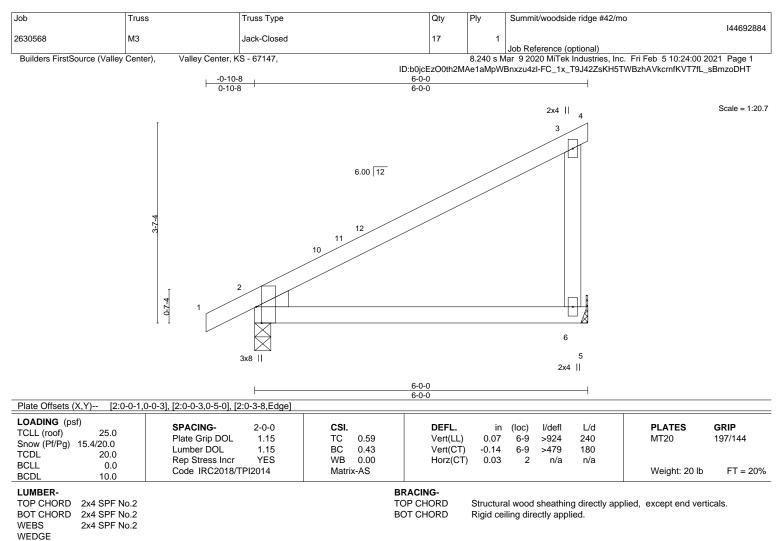
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-10-3 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 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.



Structural wood sheathing directly applied or 3-10-15 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.





Left: 2x4 SPF No.2

REACTIONS. (size) 6=Mechanical, 2=0-3-8

Max Horz 2=139(LC 15) Max Uplift 6=-82(LC 16), 2=-59(LC 16) Max Grav 6=367(LC 23), 2=399(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 3-6=-274/217

NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
- This truss 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.





Job	Truss	Truss Type		Qty	Ply	Summit/wo	oodside ridge #42/m	0	144692885
2630568	M5	Monopitch Supp	orted Gable	2	1				144692885
	<u></u>						nce (optional)		
Builders FirstSource	(Valley Center), Valle	y Center, KS - 67147,	ارار					. Fri Feb 5 10:24:01 EiCDN11TFD03yjGu	
		L	-0-6-0	1-6-0	crampvic	11/20421-301	r okon-nar oosin	Elobitititi Dobyjou	
		I	0-6-0	1-6-0	1				
									Scale = 1:11.
					3				
			6.00 12	2x4	"				
			/	/ /					
			2						
		7 I							
		- 1 - 1							
		0-10-4	· · ·						
		ď							
			5		4				
			3x8	2x4					
			3x8	2x4					
			ł						
LOADING (psf)			001	DEE		(1) 1/	-1-41 1/-1		
TCLL (roof)	25.0 SPAC	I NG- 2-0-0 Grip DOL 1.15	CSI. TC 0.07	DEFL. Vert(LL)		(loc) l/o 1	defl L/d n/r 120	PLATES MT20	GRIP 197/144
Snow (Pf/Pg) 15.4/2 TCDL	20.0 Lumbe		BC 0.04	Vert(CT)		1	n/r 120		
BCLL		tress Incr YES	WB 0.00	Horz(CT		4	n/a n/a		
	10.0 Code	IRC2018/TPI2014	Matrix-R					Weight: 6 lb	FT = 20%
LUMBER-			PE	ACING-					

TOP CHORD 2x4 SPE No 2

BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 1-6-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=1-6-0, 4=1-6-0 Max Horz 5=55(LC 13) Max Uplift 5=-23(LC 16), 4=-29(LC 13) Max Grav 5=140(LC 2), 4=53(LC 30)

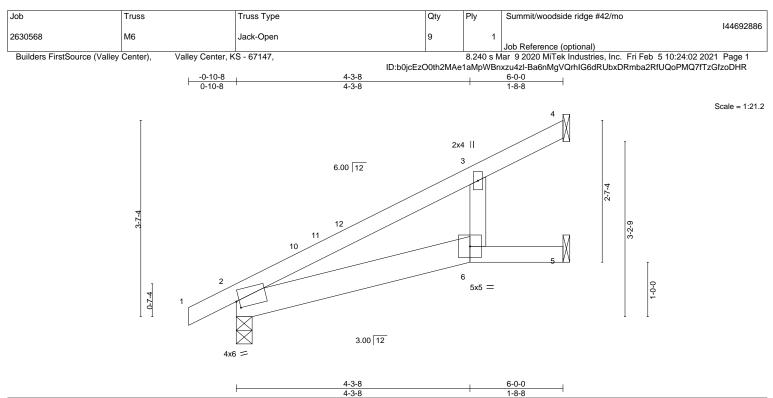
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) zone; cantilever left and right exposed; end 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.
- 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.







TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0 TCDL 20.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYES	CSI. TC 0.76 BC 0.35 WB 0.04	DEFL. Vert(LL) Vert(CT) Horz(CT)	0.11 -0.21 0.05	(loc) 6 6 5	l/defl >639 >347 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 197/144
BCLL 0.0 BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS	. ,					Weight: 20 lb	FT = 20%

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 *Except* 2-6: 2x6 SPF No.2 2x4 SPF No.2

WEBS

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical Max Horz 2=136(LC 16) Max Uplift 4=-102(LC 16), 2=-46(LC 16) Max Grav 4=330(LC 23), 2=411(LC 2), 5=33(LC 7)

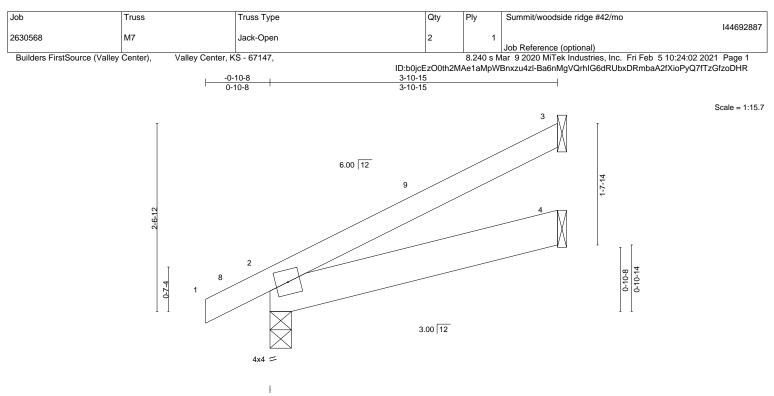
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-11-4 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) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=102
- 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.







LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0 TCDL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.21 BC 0.14 WB 0.00	Vert(CT) -	in -0.01 -0.01 0.00	(loc) 4-7 4-7 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 197/144
BCLL 0.0 BCDL 10.0	Code IRC2018/TPI2014	Matrix-MP	(01)					Weight: 14 lb	FT = 20%

```
LUMBER-
```

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x6 SPF No.2 BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 3-10-15 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical Max Horz 2=94(LC 16) Max Uplift 3=-55(LC 16), 2=-36(LC 16), 4=-8(LC 16) Max Grav 3=140(LC 23), 2=325(LC 23), 4=89(LC 7)

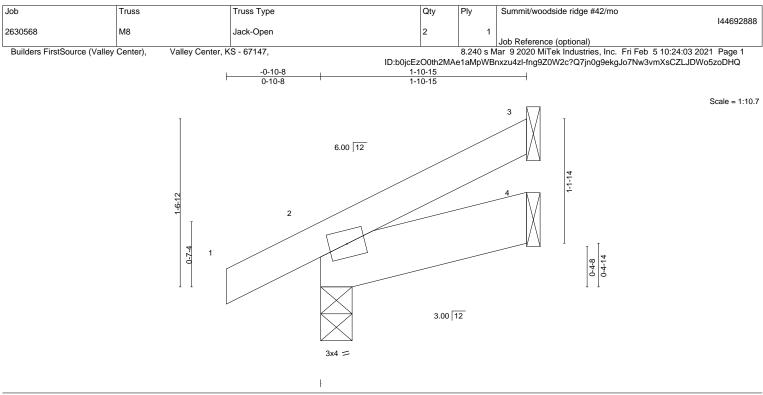
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-10-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
- 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.







LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0 TCDL 20.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.07 BC 0.02 WB 0.00	DEFL. in (loc) l/defl L/d Vert(LL) -0.00 7 >999 240 Vert(CT) -0.00 7 >999 180 Horz(CT) 0.00 3 n/a n/a	PLATES GRIP MT20 197/144
	Code IRC2018/TPI2014	Matrix-MP		Weight: 7 lb FT = 20%
BCDL 10.0				

```
LUMBER-
```

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x6 SPF No.2 BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 1-10-15 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical Max Horz 2=54(LC 16) Max Uplift 3=-25(LC 16), 2=-28(LC 16), 4=-6(LC 16) Max Grav 3=56(LC 23), 2=206(LC 23), 4=41(LC 7)

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

NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.

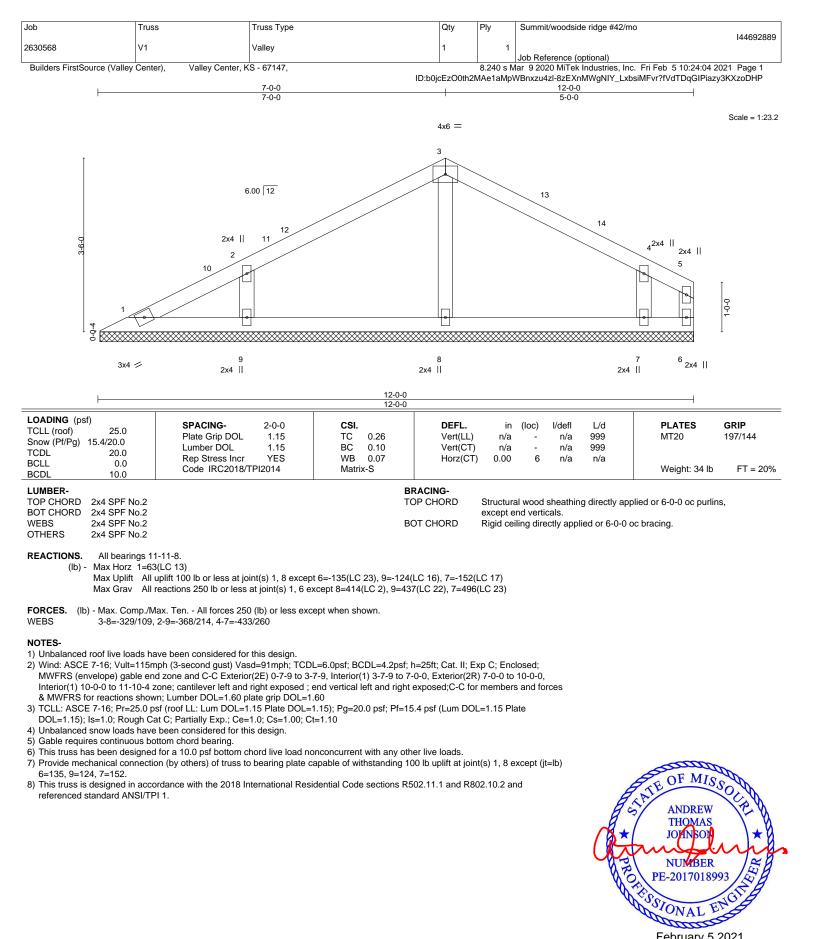
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Refer to girder(s) for truss to truss connections.
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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.





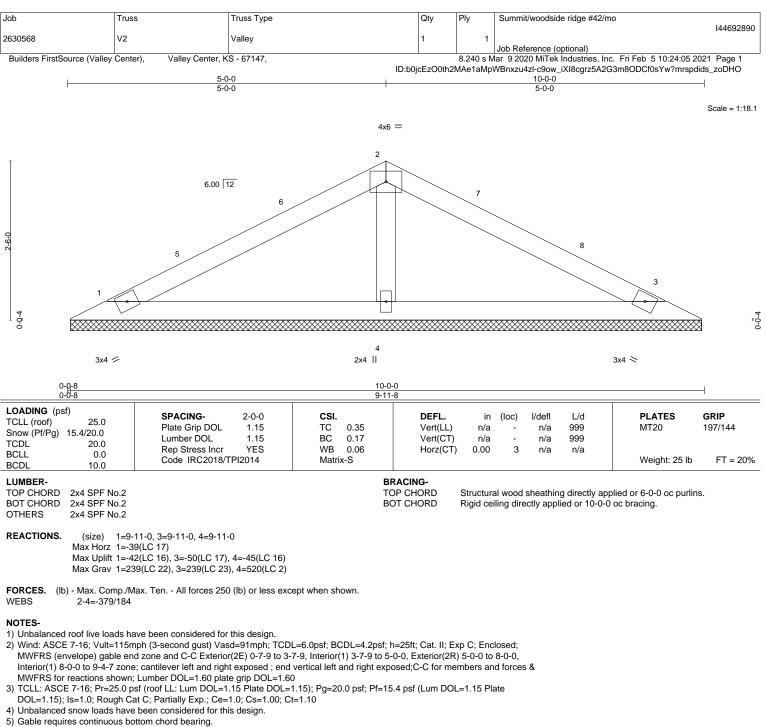


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



E

February 5,2021



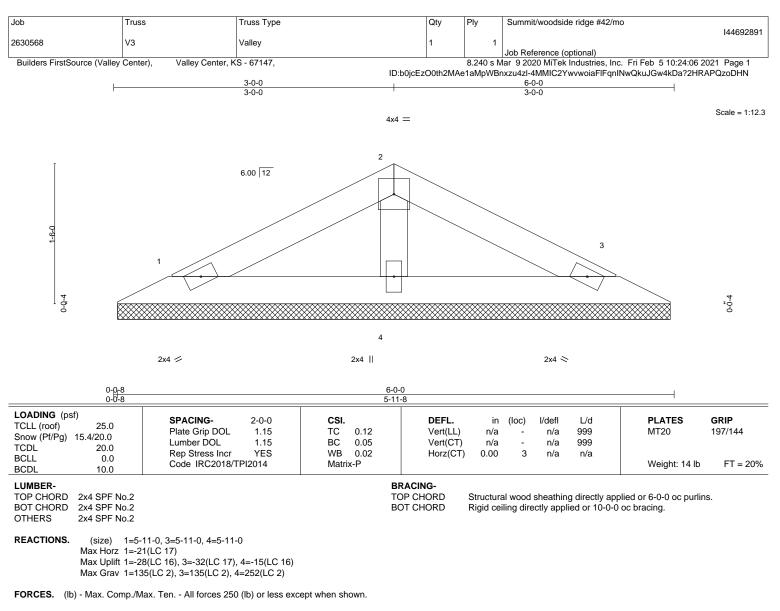
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 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.







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=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

5) Gable requires continuous bottom chord bearing.

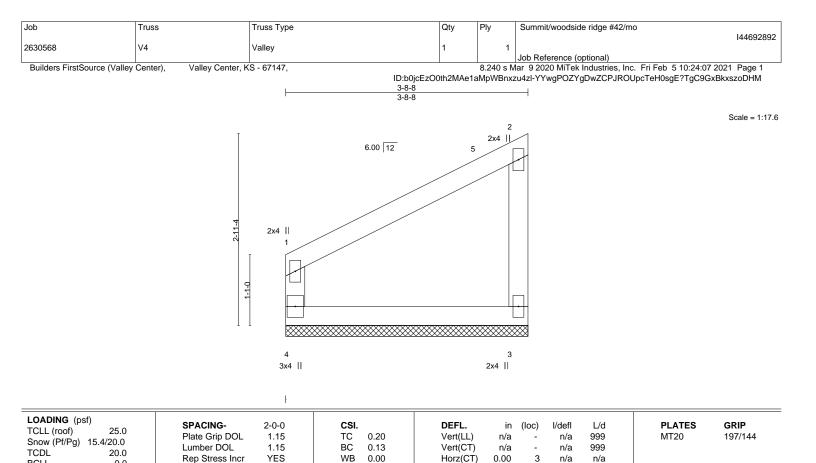
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.







BRACING-

TOP CHORD

BOT CHORD

Matrix-R

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

BCLL

BCDL

WEBS

LUMBER-

TOP CHORD

BOT CHORD

REACTIONS.

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-6-12 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) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate
- DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4=3-8-8, 3=3-8-8

Max Uplift 4=-21(LC 16), 3=-49(LC 16) Max Grav 4=196(LC 22), 3=196(LC 22)

Max Horz 4=103(LC 13)

- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.

0.0

10.0

2x4 SPF No.2

2x4 SPF No.2

2x4 SPF No.2

(size)

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Code IRC2018/TPI2014

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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.



Weight: 12 lb

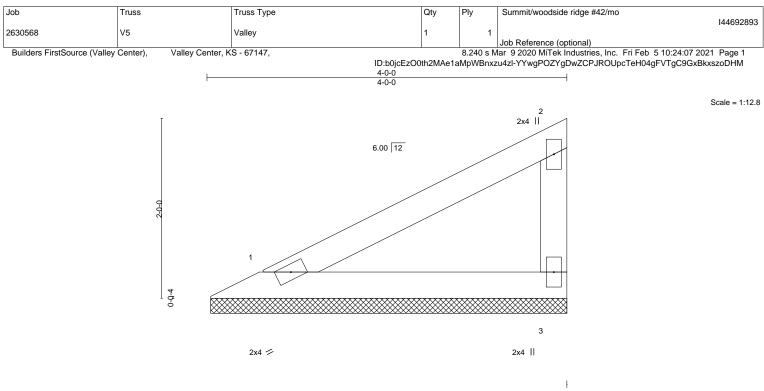
Structural wood sheathing directly applied or 3-8-8 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

FT = 20%





LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0 TCDL 20.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCodeIRC2018/TPI2014	CSI. TC 0.25 BC 0.10 WB 0.00 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 10 lb	GRIP 197/144 FT = 20%
LUMBER-		RE	ACING-						

TOP CHORD

BOT CHORD

TOP CHORD 2x4 SPF No.2

BOT CHORD2x4 SPF No.2WEBS2x4 SPF No.2

REACTIONS. (size) 1=3-11-8, 3=3-11-8 Max Horz 1=67(LC 13) Max Ubit 1=-24(LC 16) 3=-41(

Max Uplift 1=-24(LC 16), 3=-41(LC 16) Max Grav 1=184(LC 22), 3=184(LC 22)

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

NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

4) Gable requires continuous bottom chord bearing.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.

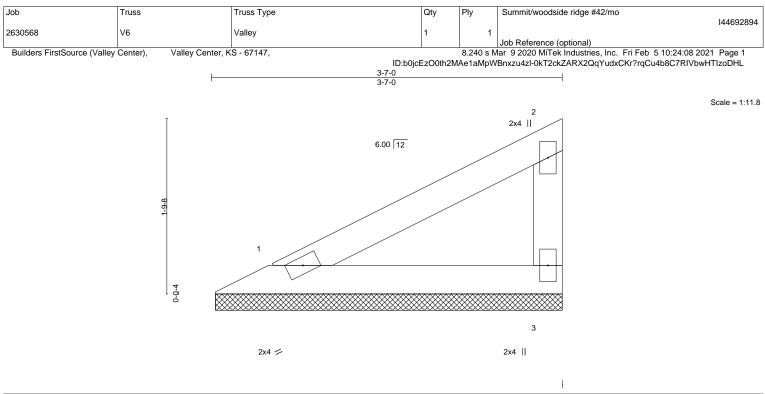


Structural wood sheathing directly applied or 4-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.





LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0 TCDL 20.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.18 BC 0.07 WB 0.00 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 9 lb	GRIP 197/144 FT = 20%
LUMBER-		DI	ACING.						

TOP CHORD

BOT CHORD

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2

WEBS 2x4 SPF No.2

REACTIONS. (size) 1=3-6-8, 3=3-6-8 Max Horz 1=59(LC 13) Max Uplift 1=-21(LC 16), 3=-36(LC 16) Max Grav 1=158(LC 22), 3=158(LC 22)

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

NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

4) Gable requires continuous bottom chord bearing.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.

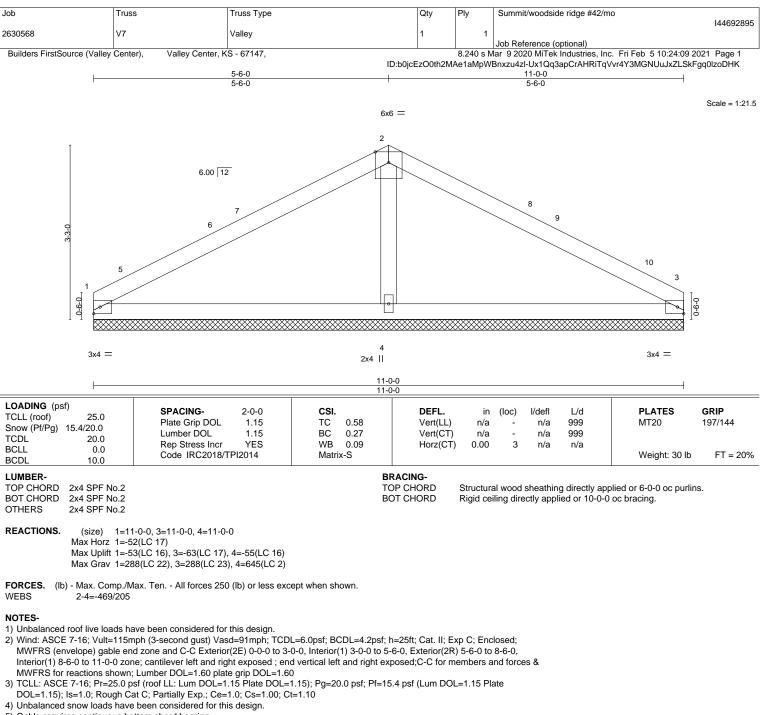


Structural wood sheathing directly applied or 3-7-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.





5) Gable requires continuous bottom chord bearing.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

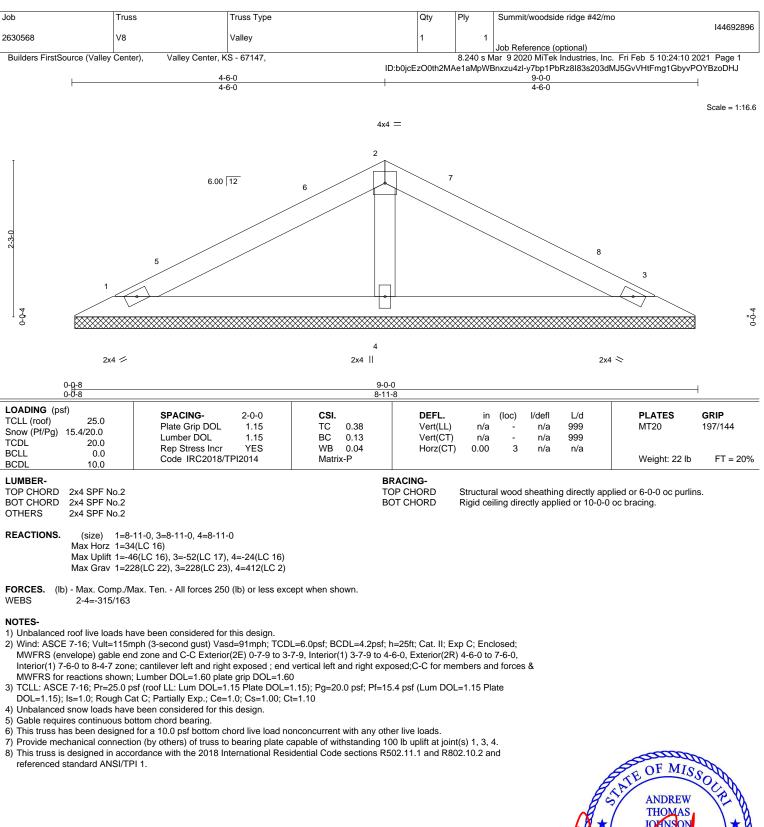
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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.

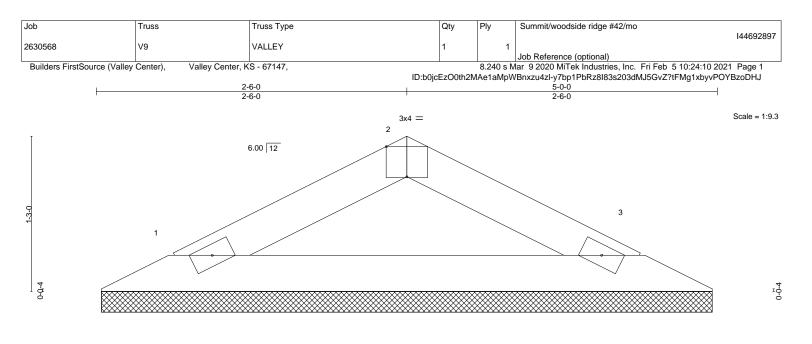












2x4 💋

2x4 📚

GRIP 197/144
0 lb FT = 20
1

BOT CHORD

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

REACTIONS. (size) 1=4-11-0, 3=4-11-0 Max Horz 1=-17(LC 17) Max Uplift 1=-28(LC 16), 3=-28(LC 17) Max Grav 1=206(LC 2), 3=206(LC 2)

BOT CHORD 2x4 SPF No.2

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.





