

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

Re: 220286 Buildforce/Douglas Rd. Center

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

Pages or sheets covered by this seal: I49478243 thru I49478250

My license renewal date for the state of Missouri is December 31, 2023.

Missouri COA: Engineering 001193



December 31,2021

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.



L	5-4-4	10-5-1	15-5-8	21-0-11	25-11-12	30-11-12	
1	5-4-4	5-0-13	5-0-7	5-7-3	4-11-1	5-0-0	
Plate Of	fsets (X,Y) [A:	:0-6-9,0-2-8], [H:0-3-7,0-2-0], [J:0-3-8,0	0-2-8], [L:0-3-8,0-2-0], [N:0	-3-8,0-2-0], [P:0-3-8,0-3-0]			
LOADIN TCLL (Roof Sr	I G (psf) 25.0 now=25.0)	SPACING- 2-0-0 Plate Grip DOL 1.15	CSI. TC 0.87 BC 0.96	DEFL. in (loc) Vert(LL) -0.61 M-N Vert(CT) -1.02 M-N	l/defl L/d >599 240 >360 180	PLATES GRIP MT20 244/190	
TCDL BCLL BCDL	10.0 0.0 10.0	Rep Stress Incr NO Code IRC2018/TPI2014	WB 0.98 Matrix-MS	Horz(CT) 0.09 I	n/a n/a	Weight: 192 lb FT = 20%	
LUMBE TOP CH BOT CH WEBS	R- ORD 2x4 SP 24 A-E: 2x4 S ORD 2x6 SP No 2x4 SP No Q-R: 2x6	400F 2.0E *Except* SP 1650F 1.5E o.1 o.3 *Except* SP No.1, A-P,H-J: 2x4 SP No.2		BRACING- TOP CHORD Structura except e BOT CHORD Rigid cei	al wood sheathing dire nd verticals. lling directly applied or	ctly applied or 2-1-4 oc purlins, 5-3-15 oc bracing.	
REACTI	EACTIONS. (size) Q=0-5-8, I=0-2-8 Max Horz Q=320(LC 13) Max Uplift Q=-285(LC 10), I=-324(LC 14) Max Grav Q=1690(LC 20), I=1994(LC 20)						
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD A-Q=-1570/570, A-B=-4029/1648, B-C=-6021/2093, C-D=-6443/2102, D-F=-6444/2108, F-G=-5480/1733, G-H=-3506/1096, H-I=-1910/652							
WEBS	A-P=-13 D-M=-43 H-J=-11	90/913, N-P=-1718/4022, M-N=-2150/ 880/3977, B-P=-1164/483, B-N=-778/2 36/220, F-M=-404/1024, F-L=-724/331 85/3728	, G-L=-702/2160, G-J=-15	.=-1135/3496 -301/448, 12/580,			
NOTES- 1) Wind: MWF zone; showl 2) TCLL 3) Unba 4) Provid 5) This t 6) Bearin capad 7) Provid 8) Provid Q=28 9) This t reference	ASCE 7-16; Vult RS (envelope) ga cantilever left ann n; Lumber DOL=1 : ASCE 7-16; Pf=: lanced snow load de adequate drain russ has been de mg at joint(s) I con bity of bearing surl de mechanical coi 5, I=324. russ is designed i neced standard AN	=115mph (3-second gust) Vasd=91mp ble end zone and C-C Corner(3) 0-2-1 d right exposed ; end vertical left and r I.33 plate grip DOL=1.33 25.0 psf (Lum DOL=1.15 Plate DOL=1 s have been considered for this design tage to prevent water ponding. signed for a 10.0 psf bottom chord live siders parallel to grain value using AN face. nnection (by others) of truss to bearing nnection (by others) of truss to bearing n accordance with the 2018 Internatio VSI/TPI 1.	oh; TCDL=6.0psf; BCDL=6 2 to 4-2-12, Exterior(2) 4-2 ight exposed;C-C for mem .15); Is=1.0; Rough Cat C e load nonconcurrent with a ISI/TPI 1 angle to grain for g plate at joint(s) I. g plate capable of withstan- nal Residential Code section	.0psf; h=20ft; Cat. II; Exp C; Enc 2-12 to 26-10-0, Corner(3) 26-10- bers and forces & MWFRS for re Fully Exp.; Ce=0.9; Cs=1.00; Cf mula. Building designer should w ding 100 lb uplift at joint(s) excep- ons R502.11.1 and R802.10.2 ar	losed; -0 to 30-10-0 eactions t=1.10 verify ot (jt=lb) nd	SCOTT M. SEVIER PE-2001018807	
1) Dead	+ Snow (balance	d): Lumber Increase=1.15, Plate Incre	ase=1.15			NAL EL	

LOAD CASE(S) Standard

Continued on page 2

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



December 31,2021

Job	Truss	Truss Type	Qty	Ply	Buildforce/Douglas Rd. Center	
					I	49478243
220286	A1	Monopitch	9	1		
					Job Reference (optional)	
Heartland Truss, Inc, F	Plattsburg, MO - 64477,		8.4	30 s Aug 1	16 2021 MiTek Industries, Inc. Wed Dec 29 16:20:07 2021 P	age 2
		ID:ZVxrBG6bbPx3_CXThc60RqyI0H8-2WiZ3v1KzWV4AqnIIbyI8FPmxvfMV3nNwDIj4Wy42Ic				

Uniform Loads (plf) Vert: G-S=-70, G-H=-170, I-Q=-20 Trapezoidal Loads (plf) Vert: A=-130-to-S=-70





4-4-4	9-5-1	14-5-8	20-0-11	24-11-12	29-11-12		
Plate Offsets (X V) [E:0	5-0-13 -3-0 Edge] [H:0-3-7 0-2-0] [J:0-3-8 0-	5-0-7 .2-81 [I :0-3-8 0-2-01 [N:(5-7-3 -3-8 0-2-01 [P·0-3-8 0-2-8]	4-11-1	' 5-0-0 '		
	5 5 6,Edgej, [1.6 5 7,6 2 6], [6.6 5 6,6						
COADING (psr) TCLL 25.0 (Roof Snow=25.0) TCDL TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNOCode IRC2018/TPI2014	CSI. TC 0.96 BC 0.89 WB 0.94 Matrix-MS	DEFL. in (loc) Vert(LL) -0.57 M Vert(CT) -0.95 M Horz(CT) 0.08 I	l/defl L/d >624 240 >374 180 n/a n/a	PLATES GRIP MT20 244/190 Weight: 187 lb FT = 20%		
LUMBER-			BRACING-				
TOP CHORD 2x4 SP 165 BOT CHORD 2x6 SP No WEBS 2x4 SP No	50F 1.5E .1 .3 *Except*		TOP CHORD Structu except BOT CHORD Bigid o	ral wood sheathing direct end verticals. eiling directly applied or t	tly applied or 1-9-15 oc purlins,		
Q-R: 2x6 S	SP No.1, A-P,H-J: 2x4 SP No.2		Bot offortb Rigid 6		o o ro oc bracing.		
REACTIONS. (size) Max Horz Max Uplift Max Grav	REACTIONS. (size) Q=0-5-8, I=0-2-8 Max Horz Q=319(LC 11) Max Uplift Q=-279(LC 10), I=-317(LC 14) Max Grav Q=1637(LC 20), I=1940(LC 20)						
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD A-Q=-1542/602, A-B=-3292/1552, B-C=-5439/2099, C-D=-6021/2149, D-F=-6021/2155, Composition Composition Composition Composition FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD Composition Composition Composit							
F-G=-52 BOT CHORD P-Q=-77 WEBS A-P=-127 D-M=-43 H-J=-124	F-G=-5220/1809, G-H=-3380/1152, H-I=-1853/680 BOT CHORD P-Q=-775/934, N-P=-1623/3286, M-N=-2163/5434, L-M=-1856/5215, J-L=-1192/3370 WEBS A-P=-1279/3362, B-P=-1189/516, B-N=-896/2268, C-N=-619/353, C-M=-361/618, D-M=-437/225, F-M=-375/852, F-L=-666/340, G-L=-724/2013, G-J=-1453/606, H-J=-1242/3585						
 NOTES- 1) Wind: ASCE 7-16; Vult= MWFRS (envelope) gab 29-10-0 zone; cantilever reactions shown; Lumbe 2) TCLL: ASCE 7-16; Pf=2 3) Unbalanced snow loads 4) Provide adequate draina 5) This truss has been des 6) Bearing at joint(s) I cons capacity of bearing surfa 7) Provide mechanical con Q=279, I=317. 9) This truss is designed in referenced standard AN 	115mph (3-second gust) Vasd=91mph le end zone and C-C Corner(3) 0-2-12 r left and right exposed ; end vertical er DOL=1.33 plate grip DOL=1.33 5.0 psf (Lum DOL=1.15 Plate DOL=1. have been considered for this design. age to prevent water ponding. igned for a 10.0 psf bottom chord live I giders parallel to grain value using ANS ace. nection (by others) of truss to bearing nection (by others) of truss to bearing accordance with the 2018 Internation: SI/TPI 1.	a; TCDL=6.0psf; BCDL=6 to 12-2-12, Exterior(2) 1 ft and right exposed;C-C 15); Is=1.0; Rough Cat C oad nonconcurrent with a old ronconcurrent with a li/TPI 1 angle to grain for plate at joint(s) 1. plate capable of withstan al Residential Code secti	5.0psf; h=20ft; Cat. II; Exp C; En 2-2-12 to 17-10-0, Corner(3) 17 for members and forces & MW ; Fully Exp.; Ce=0.9; Cs=1.00; (any other live loads. mula. Building designer should iding 100 lb uplift at joint(s) exce tions R502.11.1 and R802.10.2 a	rclosed; 7-10-0 to FRS for Ct=1.10 I verify ept (jt=lb) and	STATE OF MISSOL SCOTT M. SEVIER PE-2001018807		
1) Dead + Snow (balanced Uniform Loads (plf)	ı l): Lumber Increase=1.15, Plate Increa G-H=-170 I-Q=-20	se=1.15			SSIONAL ENCIE		

Vert: G-S=-70, G-H=-170, I-Q=-20

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MiTek[®] 16023 Swingley Ridge Rd Chesterfield, MO 63017

December 31,2021

Job	Truss	Truss Type	Qty	Ply	Buildforce/Douglas Rd. Center		
					14947	78244	
220286	A2	Monopitch	28	1			
					Job Reference (optional)		
Heartland Truss, Inc,	Plattsburg, MO - 64477,	8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Dec 29 16:20:08 2021 Page 2					
	-	ID:	ID:ZVxrBG6bbPx3_CXThc60Rqyl0H8-WjFxGF2ykqdxo_MxsIT_hTywll0fEXcX9tUGczy42lb				

Trapezoidal Loads (plf) Vert: A=-130-to-S=-70





		3-5-1	14-5-0	20-0-11	24-11-12	23-11-12
1	4-4-4	5-0-13	5-0-7	5-7-3	4-11-1	5-0-0
Plate Offsets	s (X,Y) [A:	0-6-9,0-2-0], [E:0-4-0,Edge], [H:0-3-7,0	-2-0], [J:0-3-8,0-3-0], [N:0	D-3-8,0-2-0], [P:0-3-8,0-3-0]		
LOADING (psf)		C 51		x) l/doft l/d	
TCLL	25.0	SFACING- 2-0-0) 1/0011 L/0	PLATES GRIP
(Roof Snow=	=25.0)	Flate GIP DOL 1.15	TC 0.98	Vert(CT) 0.00	VI >025 240	101120 244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.69	Ven(CT) -0.96 I	VI >369 180	
BCLL	0.0	Rep Stress Incr INU	WB 0.73	Horz(CT) 0.09	i n/a n/a	
BCDL	10.0	Code IRC2018/1PI2014	Matrix-MS			Weight: 187 lb $FI = 20\%$
LUMBER-				BRACING-		
TOP CHORE	2 2 x 4 SP 24	00E 2 0E		TOP CHORD Struct	ural wood sheathing dire	ectly applied except end verticals
BOT CHORE		1 *Except*		BOT CHORD Rigid	ceiling directly applied o	r 5-7-8 oc bracing
DOT CHOILE	K_O: 2v6 9			BOT CHORD Rigid	centing directly applied o	1 5-7-6 6c bracing.
WEBS	2v4 SP No	3 *Excent*				
WLDS	0 P: 2v6 9					
		SF NO.1, 11-1, D-N, G-L. 224 SF NO.2				
	A-F,11-J. 2	X4 3F 1030F 1.3E				
REACTIONS	s (size)	Q=0-5-8 l=0-2-8				
REAGINGING	Max Horz	Q = 0.000, 1 = 0.200				
	Max Holif	$(-339(1 \oplus 10))$ $(-390(1 \oplus 14))$				
	Max Grav	$O = 1999(I \oplus 20), I = 2379(I \oplus 20)$				
		Q=1000(L0 20), 1=2070(L0 20)				
FORCES	(lh) - Max Co	mp /Max Ten - All forces 250 (lb) or le	ess except when shown			
TOP CHORE	$\Delta_{-}0-18$	98/729 A-B4162/1869 B-C6947/2	2642 C-D-7683/2750 D	-F7684/2756		
	F-G66	43/2322 G-H4235/1461 H-I2289/	838	1 = 7004/2700,		
BOT CHORE	P-O77	5/916 N-P1940/4156 M-N2707/6	940 I-M2370/6637 I-I	1501/4223		
WERS	Δ-P15	92/4274 B-P-1523/633 B-N-1142/2	939 C-N834/432 C-M	422/783		
WEBO	D-M50	05/283 E-M468/1106 E-I	$G_{-1} = -9/8/2633$ $G_{-1} = -18$	= 1 22/1003, 1/7/7		
	H- I15	77/4508	0-2-340/2033, 0-3-10			
	110-10	11,4000				
NOTES-						
1) Wind AS(CE 7-16. Vult	=115mph (3-second gust) Vasd=91mpl	n: TCDI =6 0nsf: BCDI =6	Onsf: h=20ft: Cat II: Exp C: F	nclosed.	
MW/FRS (envelone) gal	ble end zone and C-C Corner(3) 0-2-12	to 12-2-12 Exterior(2) 1	2-2-12 to $17-10-0$ Corper(3) 1	17-10-0 to	
29-10-0 7	one: cantileve	r left and right exposed - end vertical le	off and right exposed C-C	for members and forces & M	WERS for	all a
reactions	shown: Lumb	r rol -1.33 plate arin DOI -1.33	in and right exposed, o o	for members and forces a mi		Same
	CE 7-16. Df-	25.0 pef (l.um DOI = 1.15 Plate DOI = 1)	15): le=1 0: Rough Cat C	· Fully Exp · Co-0 9· Co-1 00	Ct-1 10	F. OF MISC
3) Unbalance		bave been considered for this design	10), 13=1.0, 100ugii Oat O	, 1 ully Exp., 00=0.5, 03=1.00	01=1.10	B J V
4) Provide a	dequate drain	age to prevent water ponding				RAL SCOTT N
5) This trues	has been de	signed for a 10.0 psf bottom chord live	load nonconcurrent with :	any other live loads		AS SCOTT M. JAN
6) Rearing at	t ioint(s) I con	siders parallel to grain value using ANS	SI/TPI 1 angle to grain for	mula Building designer shou	ld verify	B. SEVIER V. V
capacity of	f bearing surf			Thua. Dulialing designer shou		
7) Provide m	echanical cor	nection (by others) of truss to bearing	nlate at ioint(s) I			tool > Andrea
8) Provide m	echanical cor	nection (by others) of trues to bearing	plate canable of withstan	ding 100 lb unlift at joint(s) ex	cent (it-lb)	
	-300	inection (by others) of truss to bearing			sehr (Ir-in)	NA INUMBER
(2-555, 1-	is designed i	accordance with the 2018 Internation	al Residential Code secti	one P502 11 1 and P802 10 2	and	WOX PE-2001018807 / 20 /
reference	d standard AN			013 1002.11.1 anu 1002.10.2	anu	NON ISB
reierende	u stanuaru Ar	ioi/11 / 1.				A Store A
	(S) Standar	4				WAL E'
LUAD CASE	-(J) Standah	.				Vanas
						December 31,2021

Continued on page 2

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December 31,2021

Job	Truss	Truss Type	Qty	Ply	Buildforce/Douglas Rd. Center		
						149478245	
220286	A2A	Monopitch	2	1			
					Job Reference (optional)		
Heartland Truss, Inc,	Plattsburg, MO - 64477,	8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Dec 29 16:20:09 2021 Page 2					
	-	ID:ZV>	ID:ZVxrBG6bbPx3_CXThc60RqyI0H8vpJTb2aV7loQ7x8Q0_DDgU4ciO_z13gNXEq9Py42la				

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

Uniform Loads (plf) Vert: G-S=-100, G-H=-200, I-Q=-20

Trapezoidal Loads (plf)

Vert: A=-130-to-S=-100





5-0-5	9-10-5	14-7-13	20-5-8	25-1-1	29-11-12				
5-0-5	4-10-1	4-9-8	5-9-11	4-7-9	4-10-11				
Plate Offsets (X,Y) [P:	0-3-8,0-2-0]								
LOADING (pst)	SPACING- 2-0-0	CSL	DEFL in (loc)	l/defl l/d	PLATES GRIP				
TCLL 25.0	Bloto Crip DOI 115		Vort(LL) 0.24 M	× 000 240	MT20 244/100				
(Roof Snow=25.0)	Plate Grip DOL 1.15	10 0.89	Vert(LL) -0.34 M	>999 240	MT20 244/190				
	Lumber DOL 1.15	BC 0.65	Vert(CT) -0.57 M	>618 180					
TODE 10.0	Rep Stress Incr NO	WB 0.81	Horz(CT) 0.06 I	n/a n/a					
BCLL 0.0	Code IRC2018/TPI2014	Matrix-MS			Weight: 193 lb $FT = 20\%$				
BCDL 10.0									
			BRACING-						
					- the same list is a Q 7 44 second in a				
TOP CHORD 2x4 SP 16	50F 1.5E		TOP CHORD Structural	wood sneathing direct	city applied of 2-7-11 oc purlins,				
BOT CHORD 2x6 SP No	p.1		except en	id verticals.					
WEBS 2x4 SP No	0.3 *Except*		BOT CHORD Rigid ceili	ing directly applied or	6-3-10 oc bracing.				
I-R: 2x6 S	P No.1. A-P.H-J: 2x4 SP No.2		Ū	• • • • •	Ū.				
KEACTIONS. (SIZE)	1=0-5-6, Q=0-2-6								
Max Horz	Q=282(LC 11)								
Max Uplif	t I=-225(LC 14), Q=-326(LC 10)								
Max Grav	I=1638(LC 20), Q=1942(LC 20)								
FORCES. (lb) - Max Co	mp /Max Ten - All forces 250 (lb) or le	ss excent when shown							
	EZ/CZE A P 2102/1040 P C 4222/4		E 4600/1627						
	OP CHORD $A-Q=-185/16/5$, $A-B=-3103/1049$, $B-C=-4322/1488$, $C-D=-4607/1621$, $D-F=-4609/1621$,								
F-G=-37	90/1448, G-H=-2267/1021, H-I=-1565/6	509							
BOT CHORD P-Q=-43	8/272, N-P=-1294/3094, M-N=-1563/43	316, L-M=-1193/3785, J-L	.=-746/2262						
WEBS A-P=-11	24/3284 B-P=-1324/558 B-N=-481/13	59 C-N=-477/253 C-M=	144/322						
D-M4	$18/230 \text{ F}_{-}M_{-}391/900 \text{ F}_{-}I_{-}781/391 \text{ C}_{-}$	= -6/1/1776 G $= -128$	5/526						
D-M=-4-	F/250, 1 - M = - 39 1/ 900, 1 - L = - 7 04/ 39 1, C	J-E=-041/1770, O-J=-120	5/520,						
H-J=-90	0/2007								
NOTES-									
1) Wind: ASCE 7-16; Vult	=115mph (3-second gust) Vasd=91mph	; TCDL=6.0psf; BCDL=6	.0psf; h=20ft; Cat. II; Exp C; Enclo	osed;					
MWERS (envelope) gal	ble end zone and C-C Corner(3) 0-1-12	to 12-1-12 Exterior(2) 1	2-1-12 to 17-9-0 Corner(3) 17-9-0) to 29-9-0					
zono: contilovor left on	right expand ; and vertical left and right	to 12 1 12, Exterior(2) 1	bara and forese & MW/ERS for rec						
zone, cantilever leit and	i light exposed, end vertical leit and lig	int exposed, C-C for mem	Ders and lorces & WWFRS for rea	actions					
shown; Lumber DOL=1	.33 plate grip DOL=1.33								
 TCLL: ASCE 7-16; Pf=2 	25.0 psf (Lum DOL=1.15 Plate DOL=1.1	15); Is=1.0; Rough Cat C;	Fully Exp.; Ce=0.9; Cs=1.00; Ct=	=1.10	ADDEC				
3) Unbalanced snow loads	s have been considered for this design.				OF MIL				
4) Provide adequate drain	age to prevent water ponding				B & OF MISS				
E) This trues has been der	age to provent water penaing.	and nonconsurrent with a	ny other live loade		A Store Contraction				
3) This truss has been de	signed for a 10.0 psi bottorn chord live i		iny other live loads.		AN SAN				
6) Bearing at joint(s) Q co	nsiders parallel to grain value using AN	SI/TPT1 angle to grain to	rmula. Building designer should v	verity	HG/ SCOTT M. YGY				
capacity of bearing surf	ace.				SEVIER V V				
Provide mechanical cor	nnection (by others) of truss to bearing	plate at joint(s) Q.							
8) Provide mechanical con	nection (by others) of truss to bearing	plate canable of withstan	ding 100 lb unlift at joint(s) except	(it=lb)					
					1 - +++ 2 OAHONY				
1=225, Q=320.									
9) This truss is designed in	n accordance with the 2018 Internationa	al Residential Code section	ons R502.11.1 and R802.10.2 and		NUMBER /S				
referenced standard AN	ISI/TPI 1.			, I	A A PE-2001018807				
					A STILLEDOIDIOUS STA				
LOAD CASE(S) Standar	d				West Ist				
1) Dead + Snow (balance	d): Lumber Increase 1 15 Plate Increase	so_1 15			Nº CO				
	a). Lumber morease=1.10, Fidle morea	36-1.10			WNAL E'S				
Uniform Loads (plf)					Amarco				
Vert: A-B=-170), B-U=-70, I-Q=-20								
					December 31,2021				



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 **ANS/ITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MITEK* 16023 Swingley Ridge Rd Chesterfield, MO 63017

ſ	Job	Truss	Truss Type	Qty	Ply	Buildforce/Douglas Rd. Center	
						14	19478246
	220286	B1	MONOPITCH	17	1		
						Job Reference (optional)	
	Heartland Truss, Inc, F	Plattsburg, MO - 64477,		8.4	30 s Aug 1	6 2021 MiTek Industries, Inc. Wed Dec 29 16:20:11 2021 Pa	age 2
		-	ID:ZV	ID:ZVxrBG6bbPx3_CXThc60Rqyl0H8-xlx3uH4q1l0WfR5WXR1hl5aSeW48RwQzrrjwDly42lY			

Trapezoidal Loads (plf) Vert: U=-70-to-H=-130





5-0-5	5 9-10-5	14-7-13	2	20-5-8		25-1-1	29-	11-12
5-0-5	<u> </u>	4-9-8	5	5-9-11	1	4-7-9	4-1	10-11
Plate Offsets (X,Y) [P:	0-3-8,0-2-8]							
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL TCDL 0.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNOCodeIRC2018/TPI2014	CSI. TC 0.75 BC 0.77 WB 0.98 Matrix-MS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc -0.36 M -0.61 M 0.07) l/defl 1 >986 1 >586 I n/a	L/d 240 180 n/a	PLATES MT20 Weight: 193 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP 10 A-E: 2x4 BOT CHORD 2x6 SP N WEBS 2x4 SP N A-Q,A-P,F	550F 1.5E *Except* SP 2400F 2.0E o.1 o.3 *Except* I-J: 2x4 SP No.2, I-R: 2x6 SP No.1		BRACING- TOP CHORE BOT CHORE	0 Struct excep 0 Rigid	ural wood t end vertio ceiling dire	sheathing dire cals. ctly applied or	ctly applied or 2-5-9 c	oc purlins,
REACTIONS. (size) I=0-5-8, Q=0-2-8 Max Horz Q=282(LC 11) Max Uplift I=-227(LC 14), Q=-391(LC 10) Max Grav I=1650(LC 20), Q=2330(LC 20)								
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD A-Q=-2241/814, A-B=-3782/1295, B-C=-5277/1832, C-D=-5293/1869, D-F=-5294/1876, F-G=-4170/1585, G-H=-2417/1076, H-I=-1577/613 BOT CHORD P-Q=-443/287, N-P=-1552/3771, M-N=-1924/5269, L-M=-1337/4165, J-L=-801/2413 WEBS A-P=-1389/4014, B-P=-1634/670, B-N=-591/1666, C-N=-617/303, C-M=-414/199, D-M=-445/231, F-M=-519/1237, F-L=-925/444, G-L=-742/2042, G-J=-1382/563, H-J=-977/2757								
 NOTES- 1) Wind: ASCE 7-16; Vult MWFRS (envelope) ga zone; cantilever left ani shown; Lumber DOL=1 2) TCLL: ASCE 7-16; Pf= 3) Unbalanced snow load 4) Provide adequate drair 5) This truss has been de 6) Bearing at joint(s) Q co capacity of bearing sur 7) Provide mechanical coo l=227, Q=391. 9) This truss is designed i referenced standard AI 10) Hanger(s) or other co 10-1-12 on top chord. 	=115mph (3-second gust) Vasd=91mph ble end zone and C-C Corner(3) 0-1-12 d right exposed ; end vertical left and rig .33 plate grip DOL=1.33 25.0 psf (Lum DOL=1.15 Plate DOL=1. s have been considered for this design. age to prevent water ponding. signed for a 10.0 psf bottom chord live I nsiders parallel to grain value using AN face. nnection (by others) of truss to bearing nnection (by others) of truss to bearing nnection (by others) of truss to bearing n accordance with the 2018 Internation NSI/TPI 1. nnection device(s) shall be provided su The design/selection of such connecti	a; TCDL=6.0psf; BCDL=6 to 12-1-12, Exterior(2) 1: pht exposed;C-C for mem 15); Is=1.0; Rough Cat C; oad nonconcurrent with a SI/TPI 1 angle to grain fo plate at joint(s) Q. plate capable of withstand al Residential Code section ficient to support concent on device(s) is the resport	.0psf; h=20ft; Cat. 2-1-12 to 17-9-0, bers and forces & Fully Exp.; Ce=0 any other live load rmula. Building d ding 100 lb uplift a ons R502.11.1 an trated load(s) 262 ssibility of others.	II; Exp C; E Corner(3) 17 MWFRS for .9; Cs=1.00; s. esigner shou at joint(s) exc d R802.10.2 Ib down and	nclosed; -9-0 to 29- reactions Ct=1.10 Ild verify ept (jt=lb) and 176 lb up a	9-0 1	STATE OF M SCOTT SEVI DE PE-20010 FE-20010	MISSOLA T.M. ER 018807

LOAD CASE(S) Standard

Continued on page 2

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

MiTek° 16023 Swingley Ridge Rd Chesterfield, MO 63017

December 31,2021

Job	Truss	Truss Type	Qty	Ply	Buildforce/Douglas Rd. Center		
						149478247	
220286	B1A	MONOPITCH	2	1			
					Job Reference (optional)		
Heartland Truss, Inc,	Plattsburg, MO - 64477,	8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Dec 29 16:20:12 2021 Page 2					
		ID:ZVxrBG6bbPx3_CXThc60RqyI0H8-PUVS6d5So28NHbgi58YwrJ6fZwOOAKt63VSUlky42IX					

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

Vert: A-B=-200, B-S=-100, C-H=-70, I-Q=-20 Concentrated Loads (Ib)

Vert: C=-200

Trapezoidal Loads (plf) Vert: S=-100-to-C=-126





5-0-5	9-10-5	14-7-13	20-5-8	25-1-	-1 29-11-12		
5-0-5	4-10-1	4-9-8	5-9-11	4-7-9	9 4-10-11		
Plate Offsets (X,Y) [P:0)-3-8,0-2-8]						
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) 10.0 TCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNO	CSI. TC 0.91 BC 0.77 WB 0.92	DEFL. in (loc Vert(LL) -0.38 M Vert(CT) -0.64 M-N Horz(CT) 0.07) l/defl L/d / >925 240 N >551 180 I n/a n/a	PLATES GRIP MT20 244/190		
BCDI 10.0	Code IRC2018/TPI2014	Matrix-MS			Weight: 193 lb FT = 20%		
LUMBER- TOP CHORD 2x4 SP 16 BOT CHORD 2x6 SP No WEBS 2x4 SP No I-R: 2x6 SI	50F 1.5E .1 .3 *Except* P No.1, A-P,H-J: 2x4 SP No.2		BRACING- TOP CHORD Struct excepi BOT CHORD Rigid o	ural wood sheathing o t end verticals. ceiling directly applied	directly applied or 2-5-8 oc purlins, d or 5-9-8 oc bracing.		
REACTIONS. (size) I=0-5-8, Q=0-2-8 Max Horz Q=282(LC 13) Max Uplift I=-223(LC 14), Q=-360(LC 10) Max Grav I=1625(LC 20), Q=2145(LC 20)							
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD A-Q=-2058/747, A-B=-3529/1203, B-C=-5071/1758, C-D=-5134/1811, D-F=-5135/1817, F-G=-4086/1555 G-H=-2375/1060 H-I=-1552/604							
BOT CHORD P-Q=-43 WEBS A-P=-12 D-M=-43 H-J=-958	F-G=-408/1555, G-H=-23/5/1060, H-I=-1552/604 BOT CHORD P-Q=-439/274, N-P=-1456/3519, M-N=-1847/5065, L-M=-1305/4081, J-L=-786/2371 WEBS A-P=-1292/3750, B-P=-51517/628, B-N=-611/1719, C-N=-643/313, C-M=-347/178, D-M=-438/227, F-M=-487/1154, F-L=-895/433, G-L=-724/1994, G-J=-1357/553, H-J=-958/2708						
 NOTES- 1) Wind: ASCE 7-16; Vult= MWFRS (envelope) gat zone; cantilever left and shown; Lumber DOL=1. 2) TCLL: ASCE 7-16; Pf=2 3) Unbalanced snow loads 4) Provide adequate drain 5) This truss has been des 6) Bearing at joint(s) Q cor capacity of bearing suff. 7) Provide mechanical cor l=223, Q=360. 9) This truss is designed in referenced standard AN 10) Hanger(s) or other cor 10-1-12 on top chord. LOAD CASE(S) Standard 	e115mph (3-second gust) Vasd=91mpl ble end zone and C-C Corner(3) 0-1-12 right exposed ; end vertical left and rig 33 plate grip DOL=1.33 (5.0 psf (Lum DOL=1.15 Plate DOL=1. have been considered for this design. age to prevent water ponding. igned for a 10.0 psf bottom chord live hsiders parallel to grain value using AN ace. Inection (by others) of truss to bearing maccordance with the 2018 Internation (SI/TPI 1. Inection device(s) shall be provided su The design/selection of such connecting	n; TCDL=6.0psf; BCDL=6 to 12-1-12, Exterior(2) 1 ght exposed;C-C for mem 15); Is=1.0; Rough Cat C load nonconcurrent with a SI/TPI 1 angle to grain fo plate at joint(s) Q. plate capable of withstan al Residential Code secti fficient to support concen on device(s) is the respon	6.0psf; h=20ft; Cat. II; Exp C; E 2-1-12 to 17-9-0, Corner(3) 17 ibers and forces & MWFRS for ; Fully Exp.; Ce=0.9; Cs=1.00; any other live loads. ormula. Building designer shou ding 100 lb uplift at joint(s) exc ons R502.11.1 and R802.10.2 itrated load(s) 262 lb down and nsibility of others.	nclosed; -9-0 to 29-9-0 reactions Ct=1.10 Id verify ept (jt=lb) and 176 lb up at	SCOTT M. SEVIER NUMBER PE-2001018807		

Continued on page 2

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

NITEK 16023 Swingley Ridge Rd Chesterfield, MO 63017

December 31,2021

Job	Truss	Truss Type	Qty	Ply	Buildforce/Douglas Rd. Center		
					14947824		
220286	B1B	MONOPITCH	16	1			
					Job Reference (optional)		
Heartland Truss, Inc,	d Truss, Inc. Plattsburg, MO - 64477, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Dec 29 16:20:13 2021 Page						
		ID	ID:ZVxrBG6bbPx3_CXThc60RqyI0H8-tg3qJz65ZMGEvIFvfr39OWfniJlkvo7GI9C1IAy42IW				

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

Vert: A-B=-170, B-S=-70, C-H=-70, I-Q=-20 Concentrated Loads (Ib)

Vert: C=-200

Trapezoidal Loads (plf)

Vert: S=-70-to-C=-126





5-0-5	9-10-5	14-7-13	20-5-8	25-1-1	29-11-12			
Plate Offsets (X,Y) [J:0	0-3-8,0-2-8]	4-9-8	5-9-11	4-7-9	4-10-11			
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IRC2018/TPI2014	CSI. TC 0.78 BC 0.60 WB 1.00 Matrix-MS	DEFL. in (loc) Vert(LL) -0.31 M Vert(CT) -0.54 M Horz(CT) 0.06 I	l/defi L/d >999 240 >660 180 n/a n/a	PLATES GRIP MT20 244/190 Weight: 387 lb FT = 20%			
LUMBER- TOP CHORD 2x4 SP 16 A-E: 2x4 SP BOT CHORD 2x6 SP No WEBS 2x4 SP No I-R: 2x6 SI	50F 1.5E *Except* SP No.2).1 D.3 *Except* P No.1, A-P: 2x4 SP No.2		BRACING- TOP CHORD Structura except e BOT CHORD Rigid cei	al wood sheathing dired nd verticals. ling directly applied or	xtly applied or 3-6-14 oc purlins, 10-0-0 oc bracing.			
REACTIONS. (size) I=0-5-8, Q=0-2-8 Max Horz Q=282(LC 11) Max Uplift I=-488(LC 11), Q=-471(LC 10) Max Grav I=2945(LC 20), Q=2813(LC 20)								
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD A-Q=-2715/985, A-B=-4886/1694, B-C=-7720/2716, C-D=-8524/3035, D-F=-8527/3042, F-G=-7131/2655, G-H=-4243/1735, H-I=-2843/1094 BOT CHORD P-Q=-445/291, N-P=-1971/4876, M-N=-2853/7713, L-M=-2460/7120, J-L=-1459/4233 WEBS A-P=-1826/5226, B-P=-2143/854, B-N=-1131/3156, C-N=-1261/536, C-M=-352/900, D-M=-1007/442, F-M=-632/1535, F-L=-1579/693, G-L=-1245/3365, G-J=-2499/987, H-J=-1760/4818								
 NOTES- 1) 2-bit trusts to be connected together with 10d (0.131*x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc. 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 3) Wind: ASCE 7-16; Vul=115mpt (3-second gumph; TCDL=6.0psf; BCDL=6.0psf; BCDL=6.0psf; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 12-1-12, Exterior(2) 12-1-12 to 17-9-0, Corner(3) 17-9-0 to 29-9-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33 4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15) Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 5) Unbalanced snow loads have been considered for this design. 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. 8) Bearing at joint(s) Q considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) Q. 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) L=488, Q=471. 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and Controlementersterial AbSI/TPI 1 								
WARNING - Verify design Design valid for use only with	parameters and READ NOTES ON THIS AND INCI 1 MiTek® connectors. This design is based only u	UDED MITEK REFERENCE PA	GE MII-7473 rev. 5/19/2020 BEFORE USE or an individual building component, not					



Job	Truss	Truss Type	Qty	Ply	Buildforce/Douglas Rd. Center	
000000	D40	MONODITOU	0			149478249
220286	BIC	MONOPITCH	2	2	lab Reference (antional)	
				_	Job Reference (optional)	
Heartland Truss, Inc,	Plattsburg, MO - 64477,		8.4	30 s Aug	16 2021 MiTek Industries, Inc. Wed Dec 29 16:20:14 2021	Page 2
		ID:ZV	ID:ZVxrBG6bbPx3_CXThc60Rqyl0H8-LsdCXJ6jKgO5Wvp5CZaOwkC_Wj7ceEAPXpxbqdy42lV			

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 262 lb down and 76 lb up at 10-1-12 on top 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: A-B=-170, B-S=-70, C-H=-170, I-Q=-20 Concentrated Loads (Ib)

Vert: C=-200 Trapezoidal Loads (plf)

Vert: S=-70-to-C=-126





5-0-5	9-10-5	14-7-13	20-5-8	25-1-1	29-11-12			
5-0-5	4-10-1	4-9-8	5-9-11	4-7-9	4-10-11			
Plate Offsets (X,Y) [L:0	0-3-8,0-2-0], [P:0-3-8,0-2-8]							
LOADING (pst)	SPACING- 2-0-0	CSI.	DEFL in (loc) I/def	l l/d	PLATES GRIP			
TCLL 25.0	Plate Grip DOI 115	TC 0.97	$V_{ert}(11) = 0.42$ M >846	240	MT20 244/190			
(Roof Snow=25.0)	Lumber DOL 1.15	PC 0.80	Vort(CT) 0.71 M > 500	190	W120 244/100			
TCDL 10.0	Lumber DOL 1.15	BC 0.80	ven(CT) -0.71 W >500	180				
BCII 0.0	Rep Stress Incr NO	WB 0.95	Horz(CI) 0.08 I n/a	a n/a				
BCDI 10.0	Code IRC2018/TPI2014	Matrix-MS			Weight: 193 lb $FT = 20\%$			
BOBE								
LUMBER-			BRACING-					
TOP CHORD 2x4 SP 16	50F 1.5E		TOP CHORD Structural woo	d sheathing direct	ly applied, except end verticals.			
BOT CHORD 2x6 SP No	o.1		BOT CHORD Rigid ceiling di	rectly applied or 5	-7-15 oc bracing.			
WEBS 2x4 SP No	D.3 *Except*		U U		C C			
I-R: 2x6 S	P No.1. A-P.H-J: 2x4 SP No.2							
REACTIONS (size)	I-0-5-8 0-0-2-8							
Max Horz	-282(1 C 11)							
Max Holif	d = 202(10, 11)							
Max Opin	(1=-277(10, 14), Q=-366(10, 10))							
Max Grav	r = 1948(LC 20), Q = 2196(LC 20)							
FORCES. (Ib) - Max. Co	mp./Max. Ten All forces 250 (lb) or le	ess except when shown.						
TOP CHORD A-Q=-21	07/765, A-B=-3628/1239, B-C=-5290/	1837, C-D=-5730/2026, D-	F=-5732/2032,					
F-G=-47	′48/1793, G-H=-2816/1219, H-I=-1870/	724						
BOT CHORD P-Q=-44	0/276, N-P=-1494/3619, M-N=-1930/5	284, L-M=-1556/4741, J-L	=-945/2810					
WEBS A-P=-13	31/3857, B-P=-1566/646, B-N=-659/18	352, C-N=-691/330, C-M=-	206/495,					
D-M=-61	1/292, F-M=-460/1082, F-L=-1025/483	3, G-L=-821/2250, G-J=-16	625/655,					
H-J=-11	H-J=-1147/3204							
NOTES-								
1) Wind: ASCE 7-16: Vult	=115mph (3-second gust) Vasd=91mp	h: TCDL=6.0psf: BCDL=6.	0psf: h=20ft: Cat. II: Exp C: Enclosed:					
MWERS (envelope) gal	ble end zone and C-C Corner(3) 0-1-1	2 to 12-1-12 Exterior(2) 1	2 - 1 - 12 to $17 - 9 - 0$ Corper(3) $17 - 9 - 0$ to 2	a_a_n				
zono: contilovor loft and	right exposed : and vertical left and ri	abt exposed C C for more	are and forces & MWERS for reaction	550				
zone, cantilever leit and	22 plate aria DOL 4.22	gni exposed, C-C for memi	bers and forces & IMMERS for reaction	15				
shown; Lumber DOL=1	.33 plate grip DOL=1.33		Fully Fund 0 - 0 0 0 - 1 00: 01 1 10					
2) TCLL: ASCE 7-16; PI=2	25.0 psi (Lum DOL=1.15 Plate DOL=1.	15); IS=1.0; Rough Cat C;	Fully Exp.; Ce=0.9; CS=1.00; Cl=1.10		June			
3) Unbalanced snow loads	3) Unbalanced snow loads have been considered for this design.							
 Provide adequate drain 	age to prevent water ponding.				HAR SOLU			
This truss has been des	signed for a 10.0 psf bottom chord live	load nonconcurrent with a	ny other live loads.	3	BAT YON			
Bearing at joint(s) Q col	nsiders parallel to grain value using AN	ISI/TPI 1 angle to grain for	mula. Building designer should verify	f f	SCOTT M. Y			
capacity of bearing surf	ace.			b	SEVIER V			
Provide mechanical cor	nnection (by others) of truss to bearing	plate at joint(s) Q.		a				
8) Provide mechanical cor	nnection (by others) of truss to bearing	plate capable of withstand	ling 100 lb uplift at joint(s) except (it=lb	o) 🚺	▼ [] ▼ β			
I=277, Q=368,	3		3	΄ Ν				
This truss is designed in	n accordance with the 2018 Internation	al Residential Code section	ons R502 11 1 and R802 10 2 and	N	a beresenver			
referenced standard AN				YX XX	PL DE COLLEGE AND			
LOAD CASE(S) Standar								
1) Dood L Show (belance)	u d): Lumbor Incrococ 1 15 Dista Increa	200 1 1E			A Jon Star			
1) Dead + Show (balanced): Lumber increase=1.15, Plate increase=1.15								
Uniform Loads (pir)								
Vert: A-B=-170	0, B-S=-70, H-T=-100, I-Q=-20				December 04 0004			
					December 31,2021			

Continued on page 2

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

MITEK° 16023 Swingley Ridge Rd Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Buildforce/Douglas Rd. Center	
						149478250
220286	B1D	MONOPITCH	2	1		
					Job Reference (optional)	
Heartland Truss, Inc, P	lattsburg, MO - 64477,	8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Dec 29 16:20:15 2021 Page 2				Page 2
		ID:ZVxr	lD:ZVxrBG6bbPx3_CXThc60Rqyl0H8-p3Bake7L5zWy82OHmG5dTxk6G7PhNiCZmTh8M3y42lU			

LOAD CASE(S) Standard Trapezoidal Loads (plf)

Vert: S=-70-to-T=-100



