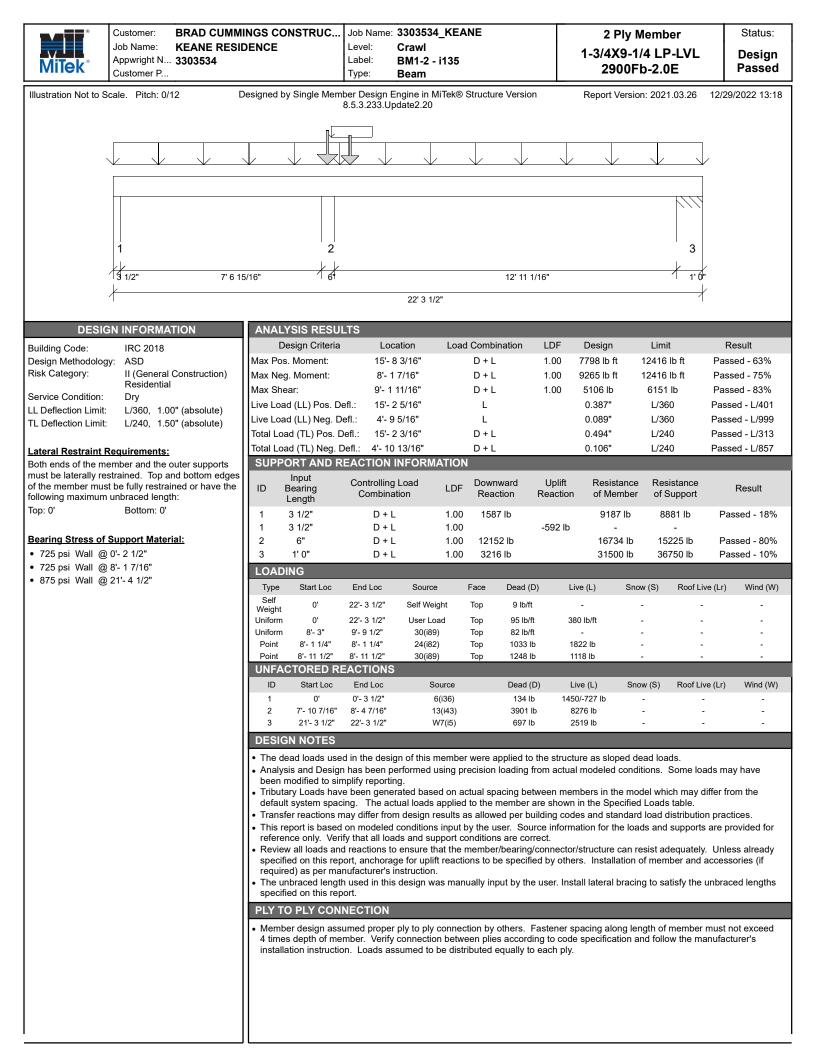
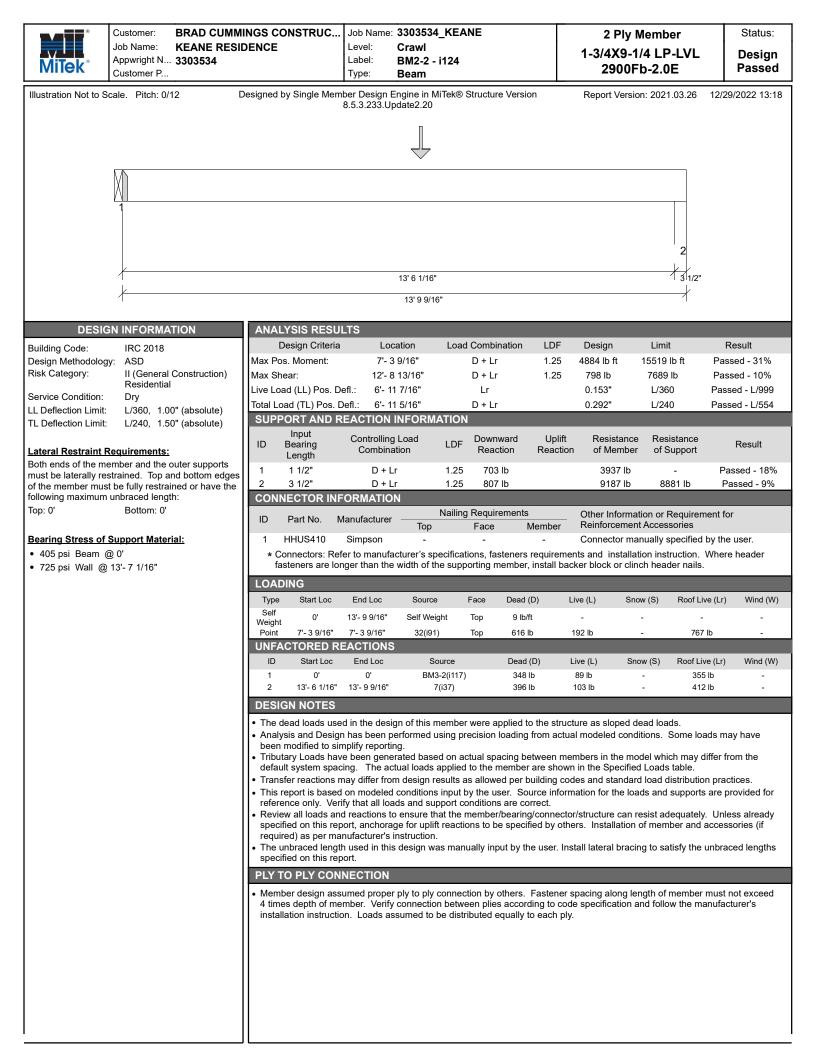
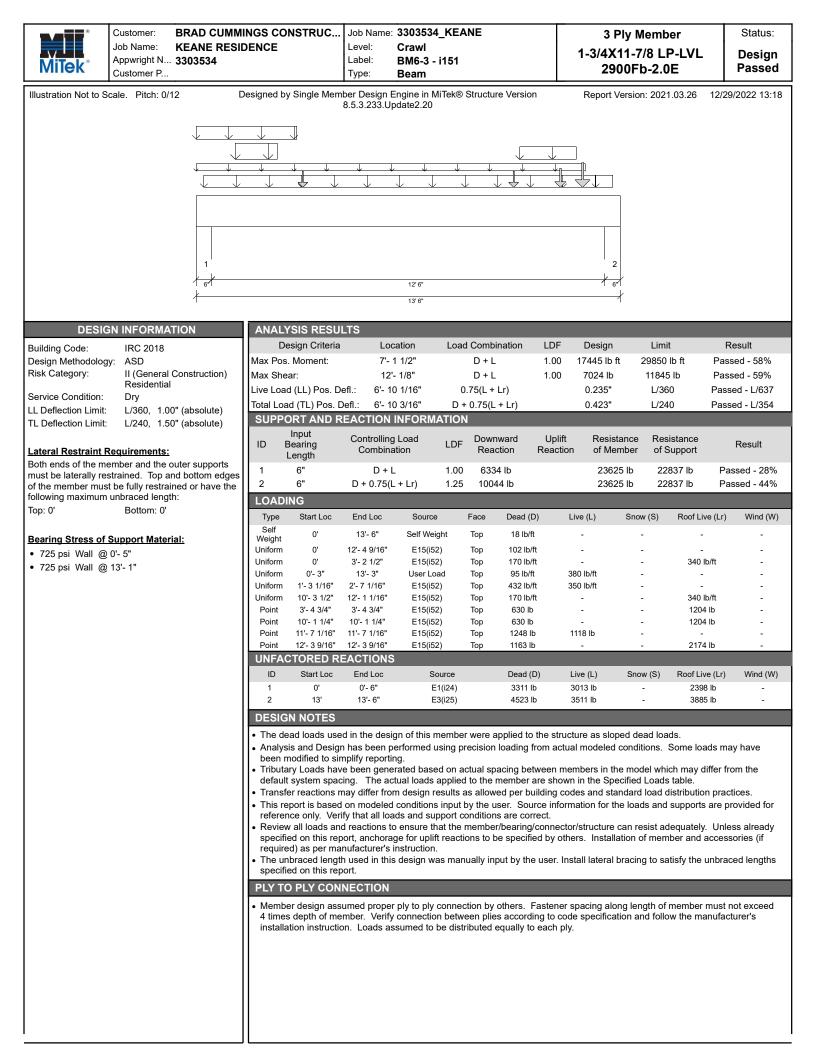


	bustomer: BRAD CUMM bb Name: KEANE RESI ppwright N 3303534 ustomer P	INGS CONSTRUC DENCE	Job Name: Level: Label: Type:	3303534_KEAN Crawl BM3-2 - i120 Beam	IE	1-3/42	Ply Member X9-1/4 LP-LV 000Fb-2.0E		Status: Design Passed
Illustration Not to Sca	le. Pitch: 0/12	Designed by Single Mem	ber Design E 8.5.3.233.Up		tructure Version	Report	Version: 2021.03.2	6 12/29/2	2022 13:18
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		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~							
				1					
	ļ			40174/01			/	/	
	\ /			10' 7 1/2"			/	/	
	I.			10' 7 1/2"					
	INFORMATION	SUPPORT AND R	EACTION	INFORMATION	_	_	_	-	-
Building Code: Design Methodology:	IRC 2018 ASD	ID Bearing Length	Controlling Combina				stance Resistance ember of Suppo		Result
Risk Category:	II (General Construction) Residential	N/A	D + L	1.00	559 lb/ft	9000	0 lb/ft -	Pas	sed - 6%
Service Condition: LL Deflection Limit:	Dry	LOADING							
TL Deflection Limit:	3	Type Start Loc Self Weight 0'	End Loc 10'- 7 1/2"		ace Dead (D) Fop 9 lb/ft	Live (L)	Snow (S) Roo	f Live (Lr)	Wind (W)
Lateral Restraint Re	uirements:	Uniform 0'	4'	User Load	Fop 40 lb/ft	160 lb/ft	-	-	-
Both ends of the mem	ber and the outer supports ained. Top and bottom edges	Uniform 4' UNFACTORED R	10'- 7 1/2" EACTIONS		Top 110 lb/ft	440 lb/ft			
	e fully restrained or have the	ID Start Loc	End Loc	Source	Dead (D)	Live (L)	Snow (S) Roo	f Live (Lr)	Wind (W)
Top: 0'	Bottom: 0'	1 0' ==> 0'	10'- 7 1/2" 4'	24(i82) 24(i82)	988 lb 40 lb/ft	3555 lb 160 lb/ft	-	-	-
Bearing Stress of Su	pport Material:	==> 0' ==> 4'	10'- 7 1/2" 10'- 7 1/2"	24(i82) 24(i82)	9 lb/ft 110 lb/ft	- 440 lb/ft	-	-	-
	<u></u>	DESIGN NOTES							
		 Analysis and Design been modified to sir Tributary Loads haw default system space Transfer reactions r This report is based reference only. Ver Review all loads an specified on this repredited on this repredited on this repredited on this repredited on the system of the sy	nplify reportin e been gene sing. The ac nay differ froi on modeled fy that all loa d reactions to port, anchora nufacturer's i NECTION umed proper mber. Verify	ng. rated based on act tual loads applied t m design results as conditions input by ds and support cor o ensure that the m ge for uplift reaction instruction. ply to ply connection connection between	ual spacing betwee o the member are allowed per buildi of the user. Source ditions are correct ember/bearing/cor as to be specified b	en members in t shown in the Sp ng codes and st information for t t. nector/structure by others. Instal	he model which ma recified Loads table andard load distribu- the loads and support e can resist adequa lation of member a	y differ from ution praction ports are pro- tely. Unles and accesson	n the ces. vided for s already ries (if



MiTek [®]	Customer: Job Name: Appwright N. Customer P	KEANE RESIL 3303534	NGS CONSTRUC. DENCE	Job Name: Level: Label: Type:	3303534_KE Crawl BM2-2 - i123 Beam			1-3/4	Ply Memb X9-1/4 LF 900Fb-2.(P-LVL	Status: Design Passed
Illustration Not to	Scale. Pitch: 0	/12 D	esigned by Single Me	mber Design E 8.5.3.233.Up		Structure	e Version	Report	Version: 202	1.03.26 12/29	9/2022 13:18
					1 12' 4"						
					12' 4"						.
DES Building Code: Design Methodolo	GN INFORMA IRC 2018	ATION	SUPPORT AND Input ID Bearing	REACTION Controlling Combina	Load	Down				sistance Support	Result
Risk Category:	0,	l Construction) al	Length N/A	D	0.9				0 lb/ft		assed - 0%
Service Condition LL Deflection Limi TL Deflection Limi	t: ,		LOADING Type Start Loc Self Weight 0'	End Loc 12'- 4"	Source Self Weight	Face Top	Dead (D) 9 lb/ft	Live (L) -	Snow (S) -	Roof Live (Lr) -	Wind (W)
Lateral Restraint Both ends of the r must be laterally r of the member mu following maximum Top: 0'	nember and the estrained. Top a ist be fully restra	outer supports and bottom edges ained or have the gth:	UNFACTORED F ID Start Loc 1 0' ++> 0' ++> 0'- 3 1/2" DESIGN NOTES	End Loc 12'- 4" 0'- 3 1/2" 12'- 4"	Source - 22(i80) 34(i94)		Dead (D) 19 lb 9 lb/ft 9 lb/ft	Live (L) - - -	Snow (S) - - -	Roof Live (Lr) - - -	Wind (W) - - -
			 The dead loads us Analysis and Designeen modified to s Tributary Loads had default system spatcher reactions This report is base reference only. We Review all loads a specified on this required) as per m PLY TO PLY COI Member design as 4 times depth of m installation instruct 	gn has been p simplify reporting ave been gene acing. The ac may differ from ad on modeled erify that all loa nd reactions to eport, anchora anufacturer's in NNECTION assumed proper member. Verify	erformed using ing. rated based on itual loads applie m design results conditions input ids and support o ensure that the ge for uplift react instruction. T ply to ply connection betw	precision l actual spa ed to the n as allower t by the us conditions e member/ tions to be ection by o ween plies	loading from acing betwee nember are s ed per buildin ser. Source i s are correct. /bearing/conr e specified by others. Faste s according to	actual modele n members in shown in the S g codes and s nformation for nector/structur y others. Insta	d conditions. the model wh pecified Loads tandard load of the loads and e can resist ac illation of men	Some loads ma ich may differ fre s table. distribution prace d supports are pr dequately. Unle nber and access	om the tices. rovided for ess already sories (if





J Milek®	Customer: BRAD CUI ob Name: KEANE RE Appwright N 3303534 Customer P	MMINGS CONSTRUC ESIDENCE	C Job Name Level: Label: Type:	2: 3303534_KE/ Crawl BM5-2 - i126 Beam	ANE		1-3/4X9-1	/lember /4 LP-LVL b-2.0E	Status: Design Passed
llustration Not to Sca	le. Pitch: 0/12	Designed by Single N	Member Design 8.5.3.233.U		Structure Vers	sion	Report Versio	n: 2021.03.26	12/29/2022 13:18
					\checkmark				
		1		6' 4"		2	2		
		/		6' 10"			ł		
DESIGN	INFORMATION	ANALYSIS RE	SULTS						
Building Code:	IRC 2018	Design Crit			d Combination		Design	Limit	Result
Design Methodology: Risk Category:	ASD II (General Construction)	Max Pos. Moment Max Shear:		3'- 5" '- 1/4"	D + L D + L	1.00 1.00	3535 lb ft 1608 lb	12416 lb ft 6151 lb	Passed - 28% Passed - 26%
	Residential	Live Load (LL) Po			0.75(L + Lr)	1.00	0.033"	L/360	Passed - L/999
Service Condition: L Deflection Limit:	Dry L/360, 1.00" (absolute)	Total Load (TL) Po			+ 0.75(L + Lr)		0.062"	L/240	Passed - L/999
L Deflection Limit:	L/240, 1.50" (absolute)	SUPPORT AN	D REACTION	I INFORMATIO	N				
ateral Restraint Re	-	Input ID Bearing Length	Controllin Combin		Downward Reaction	Uplift Reaction	Resistance of Member	Resistance of Support	Result
nust be laterally restr	ber and the outer supports ained. Top and bottom edg e fully restrained or have the braced length:	ges 1 3"	D + D +				7875 lb 7875 lb	7613 lb 7613 lb	Passed - 30% Passed - 30%
Гор: 0'	Bottom: 0'	Type Start Lo	oc End Loc	Source	Face Dea	d (D) Li	ve (L) Sno	w (S) Roof Li	ve (Lr) Wind (W)
Bearing Stress of Su	pport Material:	Self 0' Weight	6'- 10"	Self Weight		b/ft	-		-
• 725 psi Wall @ 0'		Uniform -0' Uniform 0'	6'- 10" 6'- 10"	E18(i59) User Load	•		0 lb/ft 0 lb/ft	- 140	lb/ft -
• 725 psi Wall @ 6'	- 8"	UNFACTORED			100 10	20	0 10/10		
		ID Start Lo	oc End Loc	Source	Dea	d (D) Li	ve (L) Sno	ow (S) Roof Li	ve (Lr) Wind (W)
		1 0' 2 6'- 7"	0'- 3" 6'- 10"	E4(i29) E5(i49)			196 lb 196 lb	- 478 - 478	
		DESIGN NOTE		E3(143)	103		130 15		-
		 Transfer reactio This report is bareference only. Review all loads specified on this required) as per The unbraced lespecified on this PLY TO PLY C Member design 4 times depth of 	esign has been go o simplify report have been gen spacing. The a ns may differ fro ased on modelee Verify that all lo s and reactions is a report, anchora manufacturer's ength used in th a report. ONNECTION assumed prope f member. Verif	performed using p ting. erated based on a ctual loads applie om design results d conditions input ads and support of to ensure that the age for uplift reacts instruction. is design was man	actual spacing d to the membras allowed per by the user. S conditions are of member/beari ions to be spec- nually input by ction by others reen plies acco	g from actual between men er are shown building code cource inform. ng/connector cified by othe the user. Inst	I modeled cond nbers in the mo in the Specified es and standard ation for the loa /structure can n rs. Installation all lateral bracin	itions. Some lo. del which may of l Loads table. d load distribution ds and supports esist adequately of member and ing to satisfy the mgth of member	liffer from the n practices. s are provided for v. Unless already accessories (if unbraced lengths must not exceed

MiTek [®]	Customer: BRAD CUMMINGS CONSTRUC Job Name: KEANE RESIDENCE Appwright N 3303534 Customer P			Job Name: 3303534_KEANE Level: Crawl Label: BM3-2 - i127 Type: Beam					2 Ply 1-3/4X9- 2900	Status: Design Passed	
Illustration Not to	Scale. Pitch: 0/	12 [Designed by Single Mer	nber Design 8.5.3.233.U		k® Struct	ure Version		Report Vers	sion: 2021.03.26	12/29/2022 13:18
	1 1'0"	} +			8' 6" 10' 6"					2 1'0"	
DESI	GN INFORMA	TION	ANALYSIS RESU								
Building Code:	IRC 2018		Design Criteria			oad Com		LDF	Design	Limit 12416 lb ft	Result
Design Methodolo Risk Category:		Construction)	Max Pos. Moment: Max Neg. Moment:		i'- 3" '- 11"	D + D +		1.00 1.00	3340 lb ft 151 lb ft	12416 lb ft 12416 lb ft	Passed - 27% Passed - 1%
Service Condition:	Rèsidentia	Í Í	Max Shear:		9 1/4"	D +		1.00	1264 lb	6151 lb	Passed - 21%
LL Deflection Limit	,	0" (absolute)	Live Load (LL) Pos. [5'- 3"	L			0.079"	L/360	Passed - L/999
TL Deflection Limit	,	i0" (absolute)	Total Load (TL) Pos. SUPPORT AND I		- 3"	D+	L		0.101"	L/240	Passed - L/999
Latoral Postraint	Poquiromonts:								D 14	D 14	
Lateral Restraint Both ends of the n			ID Bearing	Controlling Combin			nward action f	Uplift Reaction	Resistand of Memb		Result
must be laterally re of the member mu			Length 1 1' 0"	D +	I 1	00 18	86 lb		31501 lt		Passed - 6%
following maximum			2 1'0"	D +			00 lb		31501 lt		Passed - 6%
Тор: 0'	Bottom: 0'		LOADING								
Bearing Stress of	f Sunnort Mater	rial	Type Start Loc	End Loc	Source	Face	Dead (D)	Liv	ve (L) S	now (S) Roof Li	ve (Lr) Wind (W)
875 psi Wall (liai.	Self 0' Weight	10'- 6"	Self Weight	Тор	9 lb/ft		-		-
• 875 psi Wall @	9'- 7"		Uniform 0'	10'- 6"	User Load	Тор	70 lb/ft	28	0 lb/ft		-
			ID Start Loc	End Loc	Sourc	2	Dead (D)	Li	ve (L) S	now (S) Roof Li	ve (Lr) Wind (W)
			1 0'	1'	W4(ii		416 lb		484 lb		·
			2 9'- 6"	10'- 6"	W2(i)	416 lb	14	484 lb	-	· -
			DESIGN NOTES								
			 The dead loads us Analysis and Designeen modified to signeen modified to signeen the system spatement of the system spatement of the system spatement of the system spatement of the system space for the system and the space of the system and the system space of the system of the syste	In has been p mplify reporti ve been gene cing. The ac may differ froc d on modelec rify that all low d reactions t port, anchora anufacturer's th used in thi port.	performed usin ing. erated based o ctual loads app im design resu d conditions ing ads and suppo o ensure that t age for uplift re instruction.	g precisio n actual s lied to the ts as allow out by the rt conditio he membractions to	n loading fro pacing betw member ar wed per buil user. Sourc ns are corre er/bearing/c be specified	om actual reen men e shown ding code ce informa ct. onnector, d by othe	modeled cor nbers in the n in the Specifi es and standa ation for the k /structure car rs. Installatio	nditions. Some lo nodel which may of ed Loads table. ard load distributio bads and supports n resist adequately n of member and	differ from the on practices. s are provided for 4. Unless already accessories (if
			Member design as		r ply to ply cor	nection b	y others. Fa	istener si	pacing along	length of member	must not exceed
			4 times depth of m installation instruct						specification	and follow the m	anufacturer's

