

MiTek [®]	Customer:	Job Name:	В	2 Ply Member	Status:
	Job Name: City:	Level: Label:	1st Floor GDH2 - i89	2.0 RigidLam DF LVL 1-3/4	Design Passed
	Customer P	Туре:	Beam	× 11-776	

PLY TO PLY CONNECTION

 Member design assumed proper ply to ply connection by others. Fastener spacing along length of member must not exceed 4 times depth of member. Verify connection between plies according to code specification and follow the manufacturer's installation instruction. Loads assumed to be distributed equally to each ply.



	Customer: Job Name: City:			Job Name: B Level: 1st Floor				2 F	2 Ply Member			
								2.0 RigidL	2.0 RigidLam DF LVL 1-3/4			
MITek* Customer P			Type: Beam				x 14			Passed		
Illustration Not to So	ale Pitch: 0/12	Designed by	/ Single Men	nber Desian E	ngine in MiTe	k® Structu	re Version	Report Version: 2020 10 28 06/11/2021 11:26				
8.5.0.207.Update5.FT.1												
			$\downarrow \downarrow $ \downarrow									
-												
				1		2						
			/	4-08	3-03-08	13108						
			/	<u> </u>	3-11-08	\rightarrow						
DESIG	N INFORMATION	ANALY	SIS RESU	LTS								
Building Code:	IRC 2018	De	sign Criteria		ation L	oad Comb	ination L	DF Design	Limit		Result	
Risk Category:	 ASD II (General Construction) 	Max Pos	ar:	2-9 1'-6	5 1/2" 5 1/2"	D + 0.75(L	- 1. -+S) 1.	.00 1468 lD π .15 1525 lb	289721	ιbπ P	assed - 5% assed - 14%	
Sonvice Condition:	Residential	SUPPO	ORT AND F	REACTION I	NFORMATI	ON						
LL Deflection Limit:	L/480,		Input	Controlling	Load	DE Dowr	nward L	Jplift Resist	ance Resi	stance	Popult	
TL Deflection Limit:	L/240,		_ength	Combina	tion	Rea	ction Re	action of Me	mber of S	upport	Result	
Lateral Restraint R	aquiroments:	1	4-08	D + L	1.	00 199	99 lb	1181	2 lb 66	94 lb l	Passed - 30%	
Both ends of the me	mber and the outer supports		3-08	D + L	1.	00 154	41 ID	918.	/ ID 52	06 10 1	Passed - 30%	
must be laterally res	trained. Top and bottom edges be fully restrained or have the	LUADI	NG Start Loc	Endloc	Source	Eace	Dead (D)	Live (L)	Snow (S)	Roof Live (L	r) Wind (W)	
following maximum	unbraced length:	Self	0'	3'- 11 1/2"	Self Weight	Top	13 lb/ft		-	-	-	
Тор: 0'	Bottom: 1'- 8 1/2"	Weight Point	0'- 2 3/4"	0'- 2 3/4"	F4(Cond01)	Front	49 lb	55 lb	-	-	-	
Bearing Stress of S	Bearing Stress of Support Material:		0'- 9 1/2"	0'- 9 1/2"	-	Front	434 lb	1172 lb	2/-11 lb	3/-12 lb	12/-4 lb	
• 425 psi Wall @	D'- 3 1/2"	UNFAC	2'- 9 1/2" CTORED R	EACTIONS		Front	468 lb	1310 lb	2/-12 lb	3/-12 lb	13/-4 lb	
• 425 psi Wall @ 3'- 9"		ID	Start Loc	End Loc	Source	e	Dead (D)	Live (L)	Snow (S)	Roof Live (L	r) Wind (W)	
		1	0'	0'- 4 1/2"	7(i47)	580 lb	1425 lb	-10 lb	3/-14 lb	14 lb/ -3 lb	
			3'- 8"	3'- 11 1/2"	6(142)	422 lb	1112 lb	-9 lb	2/-10 lb	14 lb/ -3 lb	
			NNOTES				a u u lia al 4a 4h a					
		 The de Analys 	is and Desig	n has been pe	or this merr	g precision	applied to the	actual modeled	conditions.	Some loads i	may have	
		been n	nodified to si	mplify reportin	ig. rated based o	n actual sr	- acing betwee	on members in th	e model whic	h may differ	from the	
		default	system spa	cing. The act	ual loads app	lied to the	member are	shown in the Spe	cified Loads	table.	i on the	
		 Transfe This re 	er reactions i port is based	may differ fron d on modeled	n design resul conditions inc	ts as allow out by the i	/ed per buildir Jser Source	ng codes and sta information for th	ndard load di le loads and s	istribution pr supports are	actices. provided for	
		referen	ice only. Ver	rify that all loa	ds and suppo	rt condition	ns are correct.					
		specifie	ed on this re	port, anchorag	ge for uplift rea	actions to b	be specified b	y others. Installa	ation of memb	ber and acce	essories (if	
		require	d) as per ma	anufacturer's i	nstruction.							
		PLY TO) PLY CON	INECTION				· .				
		Member 4 times	er design ass s depth of me	sumed proper ember. Verify	ply to ply con connection be	nection by etween plie	others. Fasters according t	ener spacing alo to code specificat	ng length of r tion and follo\	member mus w the manuf	acturer's	
		installa	tion instructi	on. Loads as	sumed to be o	listributed	equally to eac	ch ply.				





Customer: Job Name: City: Customer P...

DESIGN NOTES

- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already
 specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if
 required) as per manufacturer's instruction.

PLY TO PLY CONNECTION

 Member design assumed proper ply to ply connection by others. Fastener spacing along length of member must not exceed 4 times depth of member. Verify connection between plies according to code specification and follow the manufacturer's installation instruction. Loads assumed to be distributed equally to each ply.