	Customer:			Job Name: Olaniyi 2024-SAN-071				2 Ply Member			
Street 1: City:			Level: 1st Floor Label: 1DB3 -				2.1 RigidLam SP LVL 1-3/4			3/4 Design	
MIIEK	Customer Ph			leam				x 9-′	1/4	Passed	
Illustration Not to S	Scale. Pitch: 0/12	Designed by Single Mem			Structure	Version	Rep	ort Version	: 2021.03.26	02/20/2025 14:42	
			8.7.2.270.Upda	ate13.8							
		0"			6' 1"						
			Α		Plv to	o Ply Zones	\$				
		1	1 1	1			5				
		ŕ	Ϋ́	Ļ							
		~	× ×	~							
				1	2						
		1 4¶2" }	5' 4" 6' 1"	1	41/2"						
	GN INFORMATION	ANALYSIS RESU			10					D "	
Building Code: Design Methodolog	IRC 2018 av: ASD	Design Criteria Max Pos. Moment:	Locat 2'- 5 1		d Combina D + Lr	ation LD 1.1		•	Limit 5285 lb ft	Result Passed - 30%	
Risk Category:	II (General Construction)	Max Shear:	4'- 11		D + Lr	1.1			7198 lb	Passed - 40%	
Service Condition:	Residential Dry	Live Load (LL) Pos. D			Lr		0.03		L/360	Passed - L/999	
LL Deflection Limit	, , , ,	Total Load (TL) Pos. I SUPPORT AND R			D + Lr		0.07	'8"	L/240	Passed - L/822	
	. L/240, 1.00 (absolute)	Input	Controlling L		Downw	ard Up	olift Re	esistance	Resistance	Desult	
Lateral Restraint	Requirements: ember and the outer supports	ID Bearing Length	Combinatio		Reaction			Member	of Support	Result	
must be laterally re	strained. Top and bottom edge		D + Lr D + Lr	1.15 1.15				11813 lb 11812 lb	20837 lb 20837 lb	Passed - 22% Passed - 27%	
of the member must be fully restrained or have the following maximum unbraced length:			D÷LI	1.15	32331	di		1101210	20837 10	Fasseu - 27%	
Тор: 6'- 1"	Bottom: 6'- 1"	Type Start Loc	End Loc	Source	Face	Dead (D)	Live (L)	Snow	(S) Roof Liv	e (Lr) Wind (W)	
Bearing Stress of	Support Material:	Self 0' Weight	6'- 1"	Self Weight	Тор	9 lb/ft	-	-	-	-	
• 1323 psi Wall @ 0'- 3 1/2"		Point 1'- 1 1/2" Point 2'- 5 1/2"	1'- 1 1/2" 2'- 5 1/2"	1K05(c01) 1K05(c01)	Тор Тор	443 lb 942 lb	66 lb 68 lb	-	353 943/-3		
• 1323 psi Wall (	@ 5'- 9 1/2"	Point 3'- 9 1/2"	3'- 9 1/2"	1K05(c01)	Тор	822 lb	69 lb	-	835	lb 130/-549 lb	
		Point 5'- 1 1/2" UNFACTORED R	5'- 1 1/2" EACTIONS	1K05(c01)	Тор	716 lb	69 lb		754/-1	5 lb 129/-554 lb	
			End Loc	Source		Dead (D)	Live (L)	Snow	(S) Roof Liv	e (Lr) Wind (W)	
		1 0' 2 5'- 8 1/2"	0'- 4 1/2" 6'- 1"	E6(i17) E5(i6)		1359 lb 1616 lb	131 lb 141 lb	-	1266/-: 1619/-:		
		DESIGN NOTES		( )							
		The dead loads used in the design of this member were applied to the structure as projected dead loads.									
		Analysis and Desig been modified to sin			recision lo	ading from a	actual mode	eled conditi	ons. Some loa	ds may have	
		Tributary Loads have default system space								iffer from the	
		<ul> <li>Transfer reactions r</li> <li>This report is based</li> </ul>									
		reference only. Ver	ify that all loads	and support c	onditions a	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     reprint the second									
		<ul> <li>required) as per manufacturer's instruction.</li> <li>Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 0.97</li> </ul>									
		PLY TO PLY CON	NECTION								
		<ul> <li>Zone A: Factored load = 0 plf. Use 12d (0.131"x3.25") nails. LDF = 1.00. Qty = 14. Row = 2, Spacing = 12"</li> <li>12d (0.134"x3.25") nails properties: D = 0.134", L = 3.25" Eastener capacity = 105 lbs. X1 = 2", X1 = 0.75", X2 = 1.5"</li> </ul>									
12d (0.131"x3.25") nails properties: D = 0.131", L = 3.25". Fastener capacity = 105 lbs. X1 = 2", Y1 = 0.75", Y2 Install fasteners from one face.								5, 12 - 1.5			
X1 = Minimum end distance, X2 = Minimum edge o						ce, Y2 = Mir	nimum row	spacing.			

MiTek <sup>®</sup>	Customer:	Job Name:	Olaniyi 2024-SAN-071	2 Ply Member	Status:					
		Street 1: Citv:	Level: Label:	1st Floor 1DB3 -	2.1 RigidLam SP LVL 1-3/4	Design Passed				
	MIEK	Customer Ph	Туре:	Beam	x 9-1/4					

## PLY TO PLY CONNECTION

FASTENER INSTALLATION - 2 ROWS (FROM ONE FACE)

