	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	
		 Transfer reactions r This report is based 									
		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									
		 required) as per manufacturer's instruction. Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 0.97 									
		PLY TO PLY CON	NECTION								
		 Zone A: Factored load = 0 plf. Use 12d (0.131"x3.25") nails. LDF = 1.00. Qty = 14. Row = 2, Spacing = 12" 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" 									
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 [®]	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)

