	Customer: Street 1: City: Customer Ph	Job Name: Lashley 2024-SAN-038 Level: 1st Floor Label: H4 - i50 Type: Beam				2 Ply Member 2.1 RigidLam SP LVL 1-3/4 x 9-1/4		Status: Design Passed				
Illustration Not to S	ber Design Engine in MiTek® Structure Version 8.7.2.270.Update13.8			ersion	Report Version: 2021.03.26 10/			03/2024 14:08				
		0	0	5-06	-00							
			A Ply to Ply Zones									
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		1 3600 1	5-00-00	───┼ _³ ¦	0							
DEOL				_	_	_			_			
DESIC Building Code:	IRC2015	ANALYSIS RESU Design Criteria		Load	Combinatio	on LDF	- Design	Limit		Result		
Design Methodolog	iy: ASD	Max Pos. Moment:	1'- 10"		D + Lr	1.15	5 1848 lb ft	15536 lb ft	Pa	ssed - 12%		
Risk Category:	II (General Construction) Residential	Max Shear:	4'- 5 3/4"		D + Lr Lr	1.15	5 1183 lb 0.014"	7198 lb L/360		ssed - 16%		
Service Condition: LL Deflection Limit:	Dry	Live Load (LL) Pos. D Total Load (TL) Pos. I			LI D + Lr		0.014	L/360 L/240		ssed - L/999 ssed - L/999		
TL Deflection Limit:	, , , , , , , , , , , , , , , , , , , ,	SUPPORT AND F		RMATION								
Lateral Restraint F		Input ID Bearing Length	Controlling Load Combination	LDF	Downward Reaction					Result		
must be laterally re	ember and the outer supports strained. Top and bottom edges at be fully restrained or have the	1 3-00 2 3-00	D + Lr D + Lr	1.15 1.15	1118 lb 1191 lb		787: 787:			assed - 14% assed - 15%		
following maximum	unbraced length:	LOADING							_			
Top: 1'- 10 1/2"	Bottom: 5'- 6"	Type Start Loc	End Loc So	ource	Face De	ead (D)	Live (L)	Snow (S) Ro	of Live (Lr) Wind (W)		
Bearing Stress of	Support Material:	Self 0' Weight		Weight		9 lb/ft	-	-	-	-		
• 1323 psi Wall @ 0'- 2" • 1323 psi Wall @ 5'- 4"		Point 1'- 10" Point 3'- 10"		13(c06) 13(c07)	•	554 lb 555 lb	-	-	576 lb 577 lb	108/-250 lb 108/-251 lb		
		UNFACTORED R		· · /								
		ID Start Loc	End Loc	Source		ead (D)	Live (L)	Snow (S) Roo	of Live (Lr)			
		1 0' 2 5'- 3"	0'- 3" 5'- 6"	E3(i4) E4(i48)		560 lb 596 lb	-	-	558 lb 595 lb	195 lb/ -332 lb 195 lb/ -332 lb		
		DESIGN NOTES										
		The dead loads used in the design of this member were applied to the structure as projected dead loads.										
		Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.										
		 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 an specified on this re 										
		 required) as per manufacturer's instruction. Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 0.99 										
		PLY TO PLY CONNECTION										
			one A: Factored load = 0 plf. Use 12d (0.131"x3.25") nails. LDF = 1.00. Qty = 12. Row = 2, Spacing = 12"									
	12d (0.131"x3.25") nails properties: D = 0.131", L = 3.25". Fastener capacity = 105 lbs. X1 = 2", Y1 = 0.75", Y2 = 1.5" Install fasteners from one face.									2 = 1.5"		
X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.												
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	Customer:	Job Name: La	shley 2024-SAN-038	2 Ply Member	Status:
	Street 1: City:	Label: H4	1 - 150	2.1 RigidLam SP LVL 1-3/4 x 9-1/4	Design Passed
	Customer Ph		eam		

PLY TO PLY CONNECTION

FASTENER INSTALLATION - 2 ROWS (FROM ONE FACE)

