Customer: Street 1: City: Customer Ph	Street 1: City:				2 Ply Member 1 3/4" x 9 1/4" 2.0E Microllam® LVL		Status: Design Passed
Illustration Not to Scale. Pitch: 0/12	0	8.6.2.271.Update3.22			Report Version	n: 2021.03.26	06/01/2023 13:36
DESIGN INFORMATION Building Code: IRC 2018 Design Methodology: ASD Risk Category: II (General Construction) Residential Service Condition: Dry LL Deflection Limit: L/360, 0.75" (absolute)	Input		Dowpw	1.15 1.15	Design 629 lb ft 486 lb Resistance	Limit 12824 lb ft 7074 lb Resistance	Result Passed - 5% Passed - 7%
TL Deflection Limit: L/240, 1.00" (absolute) Lateral Restraint Requirements: Both ends of the member and the outer supports must be laterally restrained. Top and bottom edge of the member must be fully restrained or have the following maximum unbraced length: Top: 1'- 10 1/2" Bottom: 4'- 9"		Combination D + Lr 0.6D + 0.6W D + Lr 0.6D + 0.6W End Loc Source	LDF React 1.15 391 1.60 1.15 496 1.60	ion Reaction lb -3 lb lb -10 lb	6562 lb - 9187 lb -	of Support 6344 lb - 16207 lb - v (S) Roof Liv	Result Passed - 6% Passed - 5% e (Lr) Wind (W)
Bearing Stress of Support Material: • 725 psi Column @ 0'- 1 1/2" • 1323 psi Wall @ 4'- 10"	Self 0' Weight 1'- 9 1/4" Point 1'- 9 1/4" UNFACTORED RI ID Start Loc 1 0' 2 4'- 9"	End Loc	c03) Top	9 lb/ft 199 lb 199 lb Dead (D) L 198 lb 248 lb	()	221 - 221 w (S) Roof Liv - 194 - 248	lb 88/-198 lb e (Lr) Wind (W) lb 111 lb/ -203 lb
	 Analysis and Design been modified to sir Tributary Loads hav default system space Transfer reactions m This report is based reference only. Ver Review all loads an specified on this reprequired) as per ma Beam Stability Fact PLY TO PLY CON Zone A: Factored lo 12d (0.131"x3.25 Install fasteners f 	mplify reporting. ve been generated bas- cing. The actual loads may differ from design d on modeled condition ify that all loads and s d reactions to ensure port, anchorage for up nufacturer's instruction tor used in the calculat INECTION mad = 0 plf. Use 12d ((") nails properties: D =	I using precision is sed on actual spa s applied to the m results as allowe ns input by the us upport conditions that the member// lift reactions to be n. tion for Allowable 0.131"x3.25") nail = 0.131", L = 3.25	bading from actua cing between mer ember are shown d per building cod er. Source inform are correct. bearing/connector specified by othe Max Pos Moment s. LDF = 1.00. Q ". Fastener capad	Il modeled condit mbers in the moo in the Specified les and standard lation for the load r/structure can re ers. Installation c : (CL) = 0.99 (CL) = 0.99 (CL) = 2. Row = 1 city = 96 lbs. X1	tions. Some loa del which may d Loads table. load distribution ds and supports sist adequately. of member and a 2, Spacing = 12	iffer from the n practices. are provided for Unless already accessories (if





