



NORTHWEST ENERGY EFFICIENT MANUFACTURED HOUSING PROGRAM

Technical Specification Comparison between NEEM ver. 1.1 and ver. 2.0

	NEEM ver. 1.1, branded as ENERGY STAR®	NEEM ver. 2.0, branded as ENERGY STAR with NEEM+
Reference Path Insulation		
Ceiling	R-40	R-44 (or R-40 with improved floor)
Walls	R-21 standard framing	R-21 Intermediate framing w/insulated headers
Floor	R-33	R-33 (or R-33/52 with R-40 ceiling)
Windows	U-0.35	U-0.25 (or U-0.28 w/ added insulation)
Skylights	U-0.50	U-0.50
Entry Doors	U-0.19	U-0.19
Overall Average U-value	0.053	0.049
Building Tightness	5.0 ACH @ 50 Pa, via standard NEEM measures	4.0 ACH @ 50 Pa, via expanded air sealing measures
HVAC Measures		
Duct System	Mastic, 0.06 CFM50/ft3 total	Mastic, 0.06 CFM50/ft3 total
Crossover duct	R-8, elbows, tensioned straps	R-8, elbows, tensioned straps
Thermostat	Programmable	Wi-Fi Connected “Smart”
Whole house ventilation	32 Watts, <1 Sone	17 Watts, <1 Sone
Lighting	Not Specified	LED Throughout
Appliances, ENERGY STAR	Dishwasher	Dishwasher and Refrigerator
Moisture Management	Not Specified	Building wrap & door/window flashing