

# Energy Modeling Report

WO# **1058**

<b>For:</b> <b>TEKloch Homes</b>	<b>ERS #</b> <b>7948 - 81594</b>	<b>by:</b> <b>Stuart Kidson</b>
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	<b>B.C.</b>	

HOUSE SPECIFICATIONS	Orientation:	North	Floor Area:	AG	1,759	ft <sup>2</sup>	Fenestration/ Wall
	Volume:	15,755	ft <sup>3</sup>	BG	0	ft <sup>2</sup>	Area:
<b>ROOFS/CEILINGS</b>	Attic/Scssr: 2x4 @ 24" OC, R40 Batt/Blown		<b>WINDOWS/GLAZED DOORS</b>				
			Double Pane, Vinyl Frame - Pic: USI=1.48, SHGC=0.33				
			Double Pane, Vinyl Frame - Sld: USI=1.59, SHGC=0.30				
			Double Pane, Vinyl Frame - Patio: USI=1.53, SHGC=0.31				
<b>WALLS ABOVE GRADE</b>	2x6 @ 16" OC, R20 Batt, Rainscreen		<b>DOORS</b>				
	2x6 @ 16" OC, R20 Batt, Gypsum		Fiberglass with Medium Density Spray Foam Core				
<b>RIM JOISTS/LINTELS</b>	Rim Joist: R20, Rainscreen		<b>SPACE HEATING</b>				
	Lintels: Double with R12		Main House: Air Source Heat Pump - minisplit ductless				
			- outdoor unit: Samsung, AJ024BXJ3CH				
			- indoor unit: AR18CSFCMWKN, AR09CSFCMWKN				
			Suite: Air Source Heat Pump - minisplit ductless				
			- outdoor unit: Samsung, AR09CSFCMWKX				
			- indoor unit: AR09CSFCMWKN				
<b>EXPOSED FLOORS</b>	2x10 @ 16" OC, R28		Electric Baseboard				
			NG Fireplace - WSL, B36NTRE				
<b>WALLS BELOW GRADE</b>	8" Concrete, 2x4 @ 16" OC, R12 Batt		<b>DOMESTIC HOT WATER</b>				
			NG instantaneous, condensing - Navien, NPE-240S2(NG)				
			located in garage				
<b>SLABS</b>	4" Concrete, 2.5" XPS 3.3' Perimeter		<b>VENTILATION</b>				
			Supply fan/with ASHP, dedicated exhaust fan				
			BCBC min. air-flow rate: 74 cfm				

NOTES
Assemblies are as described on Data Collection Form above, not as indicated on markups.
House with secondary suite located on the lower floor. The suite is not accessible from the main house. 2-zone BDT performed.
Number of low flush toilets observed = 4