

# Energy Modeling Report

WO# **1058**

<b>For:</b> TEKloch Homes	<b>ERS #</b> 7948 - 81684	<b>by:</b> <b>Stuart Kidson</b> 250.886.3142 Stuart@enerlytics.ca
<b>Att'n:</b>	909 Rosefinch Pl Langford B.C.	

HOUSE SPECIFICATIONS	Orientation:	South	Floor Area:	AG	1,749	ft <sup>2</sup>	Fenestration/ Wall
	Volume:	15,655		BG	0	ft <sup>2</sup>	Area:
<b>ROOFS/CEILINGS</b>			<b>WINDOWS/GLAZED DOORS</b>				
Attic/Scssr: 2x4 @ 24" OC, R40 Batt/Blown			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>			<b>DOORS</b>				
2x6 @ 16" OC, R20 Batt, Rainscreen			Fiberglass with Medium Density Spray Foam Core				
2x6 @ 16" OC, R20 Batt, Gypsum			<b>SPACE HEATING</b>				
			Main House: Air Source Heat Pump - minisplit ductless				
			- outdoor unit: Samsung, AJ024BXJ3CH				
			- indoor unit: AR18CSFCMWKN				
<b>RIM JOISTS/LINTELS</b>			Suite: Air Source Heat Pump - minisplit ductless				
Rim Joist: R20, Rainscreen			- outdoor unit: Samsung, AR09CSFCMWKX				
Lintels: Double with R12			- indoor unit: AR09CSFCMWKN				
<b>EXPOSED FLOORS</b>			Electric Baseboard				
2x10 @ 16" OC, R28			NG Fireplace - WSL, B36NTRE				
<b>WALLS BELOW GRADE</b>			<b>DOMESTIC HOT WATER</b>				
8" Concrete, 2x4 @ 16" OC, R12 Batt			NG instantaneous, condensing - Navien, NPE-240S2(NG)				
			located in garage				
<b>SLABS</b>			<b>VENTILATION</b>				
4" Concrete, 2.5" XPS 3.3' Perimeter			Supply fan/with ASHP, dedicated exhaust fan				
			BCBC min. air-flow rate: 74 cfm				
<b>NOTES</b>							
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							