

# Energy Modeling Report

WO# **1058**

<b>For:</b> TEKloch Homes	<b>ERS #</b> 7948 - 80975	<b>by:</b> <b>Stuart Kidson</b> 250.886.3142 Stuart@enerlytics.ca
<b>Att'n:</b>	913 Rosefinch Pl Langford B.C.	

HOUSE SPECIFICATIONS	Orientation:	South	Floor Area:	AG	2,018	ft <sup>2</sup>	Fenestration/ Wall
	Volume:	18,090	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 2x6 @ 16" OC, R20 Batt, Gypsum	<b>DOORS</b> Fiberglass with Medium Density Spray Foam Core						
<b>RIM JOISTS/LINTELS</b> Rim Joist: R20, Rainscreen Lintels: Double with R12	<b>SPACE HEATING</b> Main House: Air Source Heat Pump - minisplit ductless - outdoor unit: Samsung, AJ024BXJ3CH - indoor unit: AR18CSFCMWKN Suite: Air Source Heat Pump - minisplit ductless - outdoor unit: Samsung, AR09CSFCMWKX - indoor unit: AR09CSFCMWKN Electric Baseboard NG Fireplace - WSL, B36NTRE						
<b>EXPOSED FLOORS</b> 2x10 @ 16" OC, R28	<b>DOMESTIC HOT WATER</b> NG instantaneous, condensing - Navien, NPE-240S2(NG) located in garage						
<b>WALLS BELOW GRADE</b> 8" Concrete, 2x4 @ 16" OC, R12 Batt	<b>VENTILATION</b> Supply fan/with ASHP, dedicated exhaust fan BCBC min. air-flow rate: 74 cfm						
<b>SLABS</b> 4" Concrete, 2.5" XPS 3.3' Perimeter							

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