

Energide Rating System Pre-Retrofit Assessment

File ID: 7974 NZ3039 Advisor name: Ray Panke Date: JUNE 13, 2024 Time: 7:00 PM
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Client name: LANGDON WEIR CONSTRUCTION LTD
 House address: 1228 ASHMOKE TERRACE
 City and Prov.: LANGFORD BC
 Postal code: V9C 3A7
 Telephone: 250-813-0663
 Email address: adam@langdonweir.com
 Mailing address:
 City and Prov.:
 Postal code:

Interior Dimensions

	Foundation	Main
Perim.		
Area		
Height		

Basement height abv grade

Pony wall height

Crawl space height abv grade

Foundation attachment length

Highest ceiling (incl skylight)

Area

Area	Area
Flat ceiling:	
Sloped ceiling:	
Exposed floor:	

Area above grade 2523.06 222.81 below grade

Homeowner concerns:

Exterior siding: wood / stucco / hardie / vinyl / other:
 Year 2024 Size 2733.0 sq ft Heat ASHP
 Storeys 3 Type: detached / row-end / row-mid

Vermiculite? No Maybe Yes, location:

Ceiling	Type	Area	Framing	Insulation	*assumed default roof cavities

VALUES AND CALCULATIONS FOR BUILDING COMPONENTS AVAILABLE IN ACCOMPANYING BUILDING PLANS, PHOTOS, EXCEL DOC, AND SKETCHUP MODEL

Main Walls	Perimeter	Height	Corners	Framing	Insulation	*assumed @16"OC	Interior	Exterior	Buffer
					//			//	

Exposed floor	Area	Insulation	buffer
//		//	<input type="checkbox"/>
			<input type="checkbox"/>

Foundation	Basement	Slab-on-grade	Crawl space... vented / closed / open... heated / unheated		
Section	Perimeter	Height	Area	Type	Insulation
					//

SECONDARY DHW:
BRAD. WHITE
177.9 LITRES
CONVENTIONAL ELEC.
TANK

79740 N2303

Heating/cooling systems

Heating System: furnace / boiler / bsbrd / other

Fuel type: oil electricity gas other: _____

Eff. (AFUE / SS): 100% DC motor: yes / no

Flue: Chimney / Through the wall Flue dia: _____ in / cm

Make: _____ Model: _____

Electronic thermostats: yes / no

Cooling System: yes / no

DHW system

Fuel: elec / gas / oil

Type: tank / tankless

Pilot: no

Tank Size: _____

Location: BSMT

EF: 0.95 UEF

Make: NAVIER

M/N: NPE-240A7

Insulated: yes / no

Co-vented? yes / no

SDHW inst. yes / no

Make: _____

Model: _____

Ventilation system

Type: _____

Supply: _____ Ls/cfm

Exhaust: _____ Ls/cfm

HVI Sec. 5 certified: yes / no

Make: _____

Model: _____

Eff. @ 0 deg: _____

Eff. @ -25 deg: _____

Supplementary fans

location	number
bath	///
kitch	
dryer	
other	

Heat Pump X2 SLIMLINE INDOOR UNITS
X16 TOTAL OUTLETS

Installed? yes / no DAIKIN Type: central ductless

Out m/n: SMXS48WVJU9 In m/n: EDMQ24WVJU9 (X2)

Capacity (btu/h): 46500 HSPF: 9.79 SEER: 15.15

Supplementary heat 1 Photos:

wood / n. gas / propane / other open fp / fp w doors / fp insert / stove / other Eff % 62.8 NAPOLEON Model: B36NTLE

Supplementary heat 2 Model: _____

wood / n. gas / propane / other open fp / fp w doors / fp insert / stove / other Eff % _____

Water conservation

of toilets present: /// # of low-flush: ///

Drain water heat recovery Photos:

Number present if installed: _____ Efficiency: _____

Blower Door Test photo

Make/Model of fan: Minnpls 3 Test Method: As Operated Damper closed? yes / no

	House (Pa)	Fan (Pa)	Zone (Pa)	Ring
	-0.5	initial	-0.9	N/A
1	-15.3	32.4	-8.4	O A B
2	-19.9	60.4	-11.7	O A B
3	-25.5	82.9	-15.0	O A B
4	-30.0	103.8	-19.5	O A B
5	-34.7	123.1	-21.0	O A B
6	-39.5	150.3	-24.5	O A B
7	-44.2	173.0	-27.3	O A B
8	-49.5	198.8	-30.3	O A B
	-0.8	final	-1.1	N/A

	Zone (Pa)	Fan (Pa)	House	Ring
	-0.6	initial	-0.7	N/A
	-14.6	17.8	-0.4	O A B C
	-18.5	22.1	-0.3	O A B C
	-24.8	35.8	-0.9	O A B C
	-29.9	44.1	-0.9	O A B C
	-36.9	64.1	-1.1	O A B C
	-40.3	70.2	-1.9	O A B C
	-46.4	83.8	-1.8	O A B C
	-51.9	91.9	-2.5	O A B C
	-0.8	final	-0.3	N/A

Exhaust devices depressurization

Performed? yes / no

If no, why not? _____

Initial: _____ Pa

Final: _____ Pa

Depressurization: _____ Pa

Location of blower door: FRONT DOOR / SUITE DOOR

SUIT VOL: 4298.08

House volume: 20928.97 ft³

Int. temp: 64 °F

Ext. temp: 62(m) / 67 (s) °F

Prioritized Air Leakage Checklist

H	M	L	
			Windows
			Electrical boxes on interior walls
			At least one light fixture in the upper level ceiling
			Electrical boxes on exterior walls
			Sill and header along foundation perimeter
			Fireplace
			All upper level ceiling penetrations, if vermiculite
			All openings and penetrations in ext. walls, if vermiculite

H	M	L	
			Attached garage door
			Attic hatch
			Bathroom fans
			Exterior doors

