REScheck Software Version 4.6.4

Compliance Certificate

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/30/17

Project 5 Merrill Street

Energy Code:	**2009 IECC**
Location:	**Portland, Maine**
Construction Type:	**Single-family**
Project Type:	**New Construction**
Conditioned Floor Area:	**3,415 ft2**
Glazing Area	**11%**
Climate Zone:	**6 (7378 HDD)**
Permit Date:	
Permit Number:	

Construction Site:
5 Merrill Street
Portland, ME 04101

Owner/Agent:
JEFF MARXHAUSEN
LANDMARX CONSTRUCTION
273 PRESUMPSCOT ROAD
PORTLAND, ME 04103
207-252-2103

Designer/Contractor:
EVAN CARROLL
BILD ARCHITECTURE
PO BOX 8235
PORTLAND, ME 04101
207-408-0168
EVAN@BILDARCHITECTURE.COM

Compliance: Passes using UA trade-off

Compliance: **11.2% Better Than Code** Maximum UA: **1284** Your UA: **1140**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules.
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Ceiling 1: Flat Ceiling or Scissor Truss	712	20.0	30.0	0.020	14
Ceiling 2: Flat Ceiling or Scissor Truss	278	20.0	30.0	0.020	6
SOUTH: Wood Frame, 16" o.c.	1,573	22.0	9.6	0.035	42
Window C: Vinyl/Fiberglass Frame:Double Pane	9			0.350	3
Window C: Vinyl/Fiberglass Frame:Double Pane	9			0.350	3
Window C: Vinyl/Fiberglass Frame:Double Pane	9			0.350	3
Window C: Vinyl/Fiberglass Frame:Double Pane	8			0.350	3
Window G: Vinyl/Fiberglass Frame:Double Pane	8			0.350	3
Window C: Vinyl/Fiberglass Frame:Double Pane	9			0.350	3
Window A: Vinyl/Fiberglass Frame:Double Pane	36			0.350	13
Window A: Vinyl/Fiberglass Frame:Double Pane	36			0.350	13
Window A: Vinyl/Fiberglass Frame:Double Pane	36			0.350	13
Window A: Vinyl/Fiberglass Frame:Double Pane	36			0.350	13
Door 1: Solid	24			0.350	8
Door 1: Solid	24			0.350	8

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/30/17

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Fa	
GARAGE DOOR: Solid	119			0.350	42
WEST: Wood Frame, 16" o.c.	1,332	20.0	9.6	0.036	45
Window C: Vinyl/Fiberglass Frame:Double Pane	9			0.350	3
Window C: Vinyl/Fiberglass Frame:Double Pane	9			0.350	3
Window B: Vinyl/Fiberglass Frame:Double Pane	18			0.350	6
Window B: Vinyl/Fiberglass Frame:Double Pane	18			0.350	6
Window B: Vinyl/Fiberglass Frame:Double Pane	18			0.350	6
Window D: Vinyl/Fiberglass Frame:Double Pane	8			0.350	3
Window E: Vinyl/Fiberglass Frame:Double Pane	6			0.350	2
EAST: Wood Frame, 16" o.c.	1,332	20.0	9.6	0.036	45
Window C: Vinyl/Fiberglass Frame:Double Pane	9			0.350	3
Window C: Vinyl/Fiberglass Frame:Double Pane	9			0.350	3
Window B: Vinyl/Fiberglass Frame:Double Pane	18			0.350	6
Window B: Vinyl/Fiberglass Frame:Double Pane	18			0.350	6
Window B: Vinyl/Fiberglass Frame:Double Pane	18			0.350	6
Window D: Vinyl/Fiberglass Frame:Double Pane	8			0.350	3
Window E: Vinyl/Fiberglass Frame:Double Pane	6			0.350	2
NORTH: Wood Frame, 16" o.c.	1,573	20.0	9.6	0.036	48
Window A: Vinyl/Fiberglass Frame:Double Pane	36			0.350	13
Window A: Vinyl/Fiberglass Frame:Double Pane	36			0.350	13
Window A: Vinyl/Fiberglass Frame:Double Pane	36			0.350	13
Window A: Vinyl/Fiberglass Frame:Double Pane	36			0.350	13
Window B: Vinyl/Fiberglass Frame:Double Pane	18			0.350	6
Window B: Vinyl/Fiberglass Frame:Double Pane	18			0.350	6
Window F: Vinyl/Fiberglass Frame:Double Pane	6			0.350	2
Window F: Vinyl/Fiberglass Frame:Double Pane	6			0.350	2
Window F: Vinyl/Fiberglass Frame:Double Pane	6			0.350	2
Window F: Vinyl/Fiberglass Frame:Double Pane	6			0.350	2
PATIO DOOR: Glass	21			0.350	7
PATIO DOOR: Glass	21			0.350	7
Floor 1: Slab-On-Grade:Unheated Insulation depth: 4.0'	1,017		15.0	0.655	666
Floor 2: All-Wood Joist/Truss:Over Outside Air	76	30.6	0.0	0.032	2

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2009 IECC requirements in RES*check* Version 4.6.4 and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

Evan Carroll, Principal — Name - Title

Evan A. Carroll — Signature

5/8/17 — Date