

May 8, 2017

To Whom it May Concern,

The proposed Waynflete Lower School Addition will be certified under the PHIUS+ 2015 standard, which is one of the most stringent energy certifications available in the United States today. The project includes an assortment of energy saving features, all of which meet or exceed the requirements of ASHRAE 90.1-2007 which is the locally referenced energy standard in Portland, Maine. Among the components that meet or exceed the requirements are:

Envelope	ASHRAE 90.1 2007 CZ 6A	Waynflete Lower School
Roof (Insulation Entirely above Deck)	R-20	R-45
Steel Framed Wall	R-15.6	R-40
Slab (Unheated)	R-10 for 24 in.	R-20, Full underslab
Window Metal Framing (Curtainwall/storefront)	U-0.45; SHGC-0.4	U-0.16, SHGC 0.37
Window Metal Framing (Others)	U-0.55; SHGC-0.4	U-0.51, SHGC 0.21

PHIUS+ certified projects are expected to use approximately 50% of the energy of an equivalent code building. Additional energy savings features included in this project heat recovery ventilation, high performance air-tightness, very high efficiency HVAC systems, and well as LED lighting.

As the Certified Passive House consultant on this project I am happy to address particular questions in regards to this standard or to the anticipated performance of the building.

Thank you,



Colin Schless, LEEP AP BD+C, CPHC