

As Built Specifications

Attic Insulation: plus R 80

sprayed foam insulation throughout entire attic space approximately 4 inches

blown in cellulose insulation [R40]

mechanical ducting in attic has 4 inches of spray foam insulation covering all the mechanical ducts

Main Exterior Walls

2X6 wood frame on 16" centre

R-22 batt [sprayed foam Icynene used in all outside corners of house in both first-floor and second-floor, to rim boards on second-floor, and all around all heat supplied ducts close to exterior walls.]

One half-inch plywood cladding throughout exterior walls.

4 inches of EPS insulation installed on a applied plaster mastic [not mechanically fastened]

Exposed Floor [garage ceiling]

$\frac{3}{4}$ plywood on TGIs

11" of isocyanate spray foam insulation.

Exterior basement walls.

2X 4 wood framed with R-12 batt and $\frac{1}{2}$ " drywall.

Exterior garage walls.

2X6 wood frame on 16" centre

R-22 batt [sprayed foam Icynene used in all outside corners of house in both first-floor and second-floor, to rim boards on second-floor, and all around all heat supplied ducts close to exterior walls.]

Basement Floor and Garage Floor concrete slab

Insulated under heated slab with R-10 insulation including the perimeter at slab level.

Windows and Skylights

Energy Star labeled Zone C [zoned for the Arctic]low E Square and argon filled.

Rain Water Recovery

Rainwater recovery system supplying all toilets and irrigation system.

Energy Monitoring System

Energy monitoring system.

HVAC, In Floor Heating and Ventilating Systems

General

One only solar hot water appliance from Enerworks [used as a pre-heat to the domestic hot water system]

Two only 4 inch power pipe units [used as a preheat to the domestic hot water system]

In floor Heating

In floor heating driven by modulating boiler to the entire basement concrete slab, entire garage concrete slab, entire floor area above the garage, all washrooms, front entrance for it to kitchen, kitchen and eating room, side entrance mudroom, includes all areas throughout the house which have marble or stone floors.

In floor heating is zoned separately to all areas with proper controls.

HVAC

Zone One [basement and main floor]

One only NYT I -- 200 thermal fully modulating boiler

One only air handler by Life Breath with integrated HRV

One only fan booster to integrated HRV In Life Breath Air Handler for fully ducted washroom ventilation for two bathrooms and one powder room.

One only American standard air-conditioning system 3 tons 13 seer

One only programmable Honeywell thermostat

One only 16 x 25 air filter

One only Honeywell steam humidifier

Zone Two [second-floor]

One only air handler by Life Breath with integrated HRV

One only fan booster to integrated HRV In Life Breath Air Handler for fully ducted washroom ventilation for two bathrooms and one laundry room.

One only American standard air-conditioning system 3 tons 13 seer

One only programmable Honeywell thermostat

One only 16 x 25 air filter

One only Honeywell steam humidifier

One only separate ERV fully ducted washroom ventilation for master bathroom to outlets and Northwest bathroom one outlet.

Fireplaces

Used only gas sealed combustion, electronic ignition fireplaces, for all together.

Appliances (All Energy Star labeled)

Used header wrap on all headers and rim boards.

Wrapped exterior of house at basement walls with Tyvek.

Sprayed foam to all spaces between window and rough opening

Sprayed foam at all plumbing stacks and other penetrations through ceiling and roof.

Sleeve and foamed all foundation wall penetrations.

Affixed and caulked exterior exhaust louvers.

Used airtight electrical boxes or box covers in interior outlets on exterior perimeter walls.

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Building Specifications As Built

Address: 6 Tintagel Road

General note: This report is intended for communication purposes only.

Page PAGE 3 of NUMPAGES 3

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