



Davis Residence

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Participant information

Scott Homes Inc
Cristy
3016 10th Ave NE
Olympia, WA 98506
Phone: 360-357-9167

Email Address: cristy@scotthomes.com
Website: www.scotthomes.com

Category
Single Family Homes (under 3,000 sq ft.)

High Performance: Yes (entered in both HP and Classic)

Project information
Davis Residence
Bremerton, WA 98312

Date Completed: April 2018

Dimensions of building (all floors of multi-story building): 44'x32'

Total sq. ft. of conditioned space: 1352 sqft

Built By :
Scott Homes Inc
3016 10th Ave NE
Olympia, WA 98506

Panels Manufactured By: Premier Building Systems



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Designed by:
Scott Homes Inc
3016 10th Ave NE
Olympia, WA 98506

Total sq. ft. of conditioned space: 1352 sqft

Describe the end use of the building: Single Family Residence

How did SIP construction help you get this job? Savings on energy costs.
Reduced pollutants and better indoor air quality.
Indoor comforts associated with having SIPs for walls and the roof.

SIP wall thickness and core material: 8.25" with expanded polystyrene
SIP roof thickness and core material: 12.25" with expanded polystyrene

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? SIPs allows a faster installation time, saving costs associated with labor and framing timelines.
With SIPs we are able to use smaller HVAC systems. Saving on purchase costs and future utility bills.
Less jobsite waste.

Describe any innovative design elements or structural engineering involved:

Please list any certifications the project received, such as ENERGY STAR, LEED, National Green Building Standard, WELL, Passive House, Green Globes or local green building programs. Only list certifications that are completed: Energy Star Certified New Home
Indoor AirPlus Quality Home
DOE Zero Energy Ready Home Quality Management Guidelines

HERS Index (required only for High Performance Category and recommended for residential projects): 53

Blower door test results (ACH50) (required only for High Performance Category and recommended for residential projects): 2.33 ACH50

Energy use intensity in kBtu/ft2 (required only for High Performance Category and recommended for commercial projects): 8 Please know that this home was

Describe the HVAC system used on the project:
Single Head Ductless Mini-Split system, 11.2 HSPF
Panasonic Whisper-Green fans in baths and laundry
Panasonic ERV 51 cfm, 24.0 watts

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Describe any other energy-saving materials used in the building envelope other than SIPs. List U-values of windows used and the U or R-value of any insulation materials. (judged only for High Performance Category) Windows are both U-21 and U-24
Doors with no windows are U-16

First Floor and first floor rim have 2" sprayed foam R-14 with R-30 fiberglass batt

Areas of home that have attic space (Trusses) have R-60 blown in insulation

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar (judged only for High Performance Category): Home has 100% LED Lighting
Heat Pump Water Heater 3.4 EF, 65 Gallons
Energy Star Appliances (where applicable)
Triple pane windows
ERV and Whole house fan, both with HEPA filters

Were any solar panels installed on the project? If so, indicate the size of the system (judged only for High Performance Category): no solar panels were installed.

Please list any sustainable materials or design features not listed above, such as recycled materials, low-VOC finishes, landscaping, etc. (judged only for High Performance Category): Locally sourced cabinets by Whitman Cabinetry and Woodworking
Repurposed lumber was used to make barn doors in the home
Low-VOC paints and sealants were used
Granite Countertops throughout

Any additional comments on the project:

Exterior front view

Davis Residence



Kitchen

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