



# Parkhill Residence

# Parkhill Residence



Participant information  
Premier Building Systems  
Becky Susan  
1420 Washington Avenue  
Puyallup, WA 98375

Phone: 800-275-7086  
Email Address: [info@premiersips.com](mailto:info@premiersips.com)  
Website: [www.premiersips.com](http://www.premiersips.com)

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

High Performance: No

Project information  
Parkhill Residence  
8292 S. Lakeshore Rd  
Chelan, WA 98816

Date Completed: January 2018

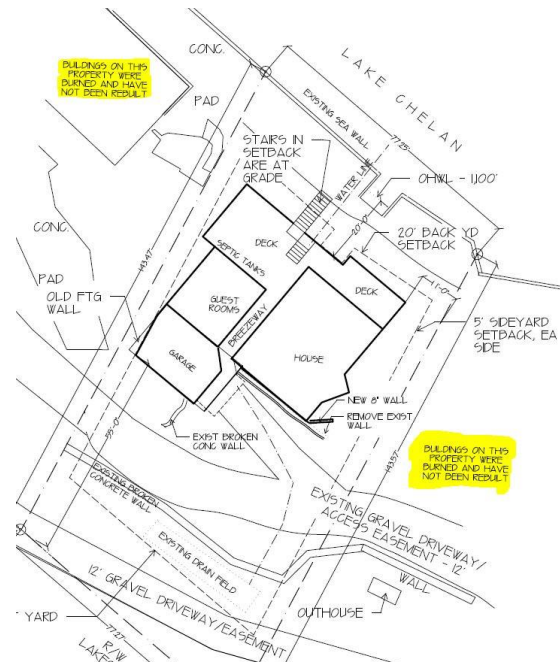
Total cost of project (exclusive of land): Not provided, \$42K of SIPs

Dimensions of building (all floors of multi-story building): Not provided

Built By (if different than applicant)

Mike Conley Construction  
Mike Conley  
3075 #1 CANYON RD  
WENATCHEE, WA 98801

Panels Manufactured By  
Company Name (members only): Premier Building Systems




DICK & SANDY PARKHILL HOME

OWNER: RICHARD AND SANDY PARKHILL  
PARCEL: #28233340500  
LOCATION: 8292 SOUTH LAKESHORE RD  
CHELAN, WA 98816

DATE: MAY 2016

[illegible]

**DRAWING KEY**

 NEW BOLD PRINTED WALL  
 3/8" - STRUCTURAL INSULATED PANELS  
 LINED ADHESIVE OF INSULATION PLANE  
 METAL PLATE  
 CONCRETE NOTATION  
 CONCRETE PLATE  
 FINISHED SURFACE  
 AIR SPACE  
 TRIM  
 IDENTIFY LINE  
 PROPERTY LINE  
 HIGH DENSITY FOAM INSULATION  
 FIBER INSULATION  
 DOOR •  
 WINDOW •  
 UNIDENTIFIED GROUND  
 BUILDING NOTATION  
 SHARED IDENTIFICATION  
 ONLY

## ENERGY CODE

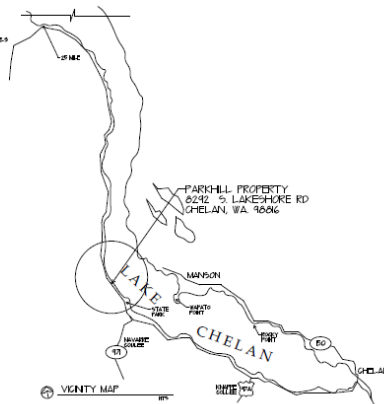
THE WASHINGTON STATE ENERGY CODE IS BEING  
APPLIED THROUGH THE FOLLOWING METHOD: THE  
WINDOWS WILL HAVE AN AREA WEIGHTED AVERAGE  
OF NOT LESS THAN A .30 U-FACTOR. THE REQUIRED  
U-FACTOR IS ENERGY CREDIT WILL BE CLAIMED BY  
SATISFYING EITHER #1) WITH A LENEX X200 HEAT PUMP  
AND CREDIT AND #2) WITH A LENEX X200 HEAT PUMP  
AND CREDIT AND #3) WITH A WHOLE-ROOM ENERGY MAINTAINING HEAT  
WITH A R-60 CEILING. THE FOLLOWING EFFICIENCY AND  
U-FACTOR MEETING THE REQUIREMENTS WILL  
BE PROVIDED BY THE CONTRACTOR (U-FACTOR)

## NOTES

FIELD CHECK ALL MEASUREMENTS & CONDITIONS.  
NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY  
BETWEEN THE DRAWINGS AND FIELD CONDITIONS.  
ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE  
2002 IRC, AND ALL OTHER APPLICABLE CODES &  
ORDINANCES.

### STRUCTURAL LOADS

FLOOR LIVE LOAD 40 psf  
FLOOR DEAD LOAD 5 psf  
ROOF LIVE LOAD (MINOR LOAD) 35 psf  
ROOF DEAD LOAD 12 psf  
WIND SPEED: 65 MPH  
EXPOSURE 'C'  
SEISMIC DESIGN CATEGORY: 'C'  
ASSUMED SOIL BEARING 1500 psf  
FROST DEPTH 18"



## Parkhill Residence



Designed By (if different than applicant - SIPA will only recognize members)

Hibbard Architecture& Planning

Larry Hibbard

152 Wapato Way

Manson, WA 98816

Describe the end use of the building: Residence

How did SIP construction help you get this job? This was a rebuild from the 2015 Wildfires & the owner Richard Parkhill was terminally ill so expediency was crucial so he could enjoy one more Lake Chelan Summer with his family. SIPs contributed to the speed of construction and achieved energy efficiency in a region with cold winters and hot summers.

SIP roof thickness and core material: 2800 s/f 12" EPS SIPs

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? Speed of construction& energy efficiency

Describe the HVAC system used on the project: High performing energy-efficient Lennex xp21 Heat Pump

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 with a .30 U-Factor

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar (judged only for High Performance Category): Electric Hot Water heater with minimum EF of 0.92 EF rating  
Whirlpool energy smart 50 gal heater with a 0.92 EF rating.

Site Plan

Parkhill Residence



DICK & SANDY PARKHILL HOME

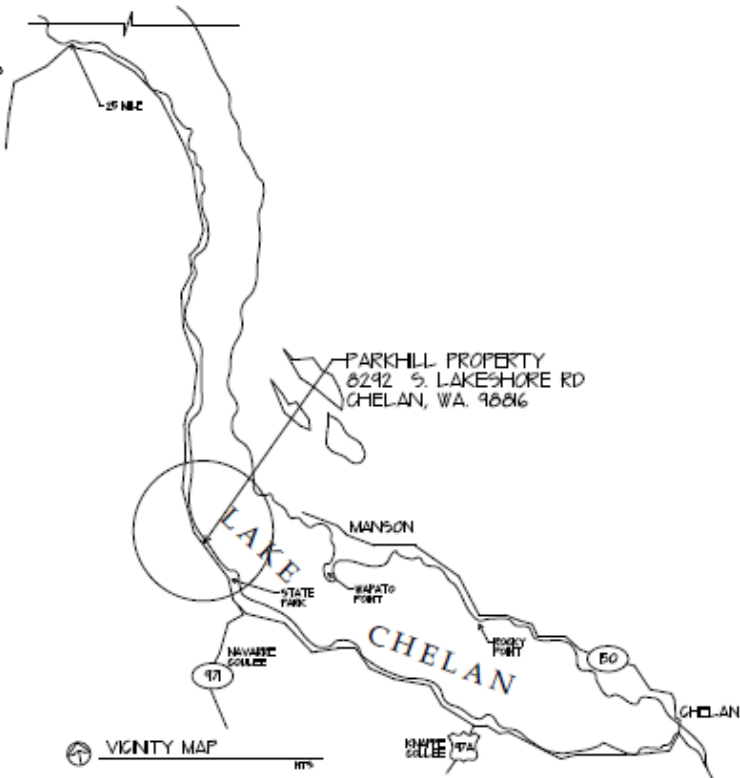
OWNER: RICHARD AND SANDY PARKHILL  
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LOCATION: 8292 SOUTH LAKESHORE RD  
CHELAN, WA 98816  
DATE: MAY 2016

DRAWING INDEX

- ✓ TITLE PAGE / VINNY MAP REV 5-16-16
- ✓ SITE PLAN / MANSON REV 5-16-16
- ✓ 1ST FLOOR PLAN REV 5-16-16
- ✓ 2ND FLOOR PLAN - FOR ROOM PLAN REV 5-16-16
- ✓ EQUIPMENT ROOM PLAN REV 5-16-16
- ✓ POOLING PLAN
- ✓ 1ST FLOOR FRAMING PLAN
- ✓ 2ND FLOOR FRAMING
- ✓ ROOF PLAN REV 5-16-16
- ✓ SECTION 1"
- ✓ SECTION BY CHAIRSLEY ELEVATION REV 5-16-16
- ✓ SECTION 1" REV 5-16-16
- ✓ NORTHERLY ELEVATION REV 5-16-16
- ✓ SOUTHERLY ELEVATION REV 5-16-16
- ✓ EASTERLY HOUSE ELEVATION REV 5-16-16
- ✓ WESTERLY HOUSE ELEVATION REV 5-16-16
- ✓ WESTERLY GARDN ELEVATION REV 5-16-16
- ✓ DETAIL 5" REV 5-16-16
- ✓ DETAIL 5"
- ✓ 1ST FLOOR ELECTRICAL -T&E REV 5-16-16
- ✓ 2ND FLOOR ELECTRICAL -T&E REV 5-16-16

DRAWING KEY

- NEW WOOD FRAMED WALL
- SPS - STRUCTURAL INSULATED PANELS
- LINE ADJACENT TO DRAWING PLANE
- DETAIL 4" PLAN
- CONCRETE SECTION
- CONCRETE PLAN
- FRAMING MEMBER
- CLADDING
- TOWN
- OWNER LINE
- PROPERTY LINE
- HIGH DENSITY DED INSULATION
- DED INSULATION
- DOOR #
- WINDOW #
- UNDISTURBED GROUND
- DRAINAGE SECTION
- SMOKE DETECTOR
- PAV



ENERGY CODE

THE WASHINGTON STATE ENERGY CODE IS BEING MET THROUGH THE PRESCRIPTIVE METHOD. THE WINDOWS WILL HAVE AN AREA WEIGHTED AVERAGE OF NOT LESS THAN A 30 U-FACTOR. THE REQUIRED 15 ENERGY CREATS WILL BE GAINED BY SATISFYING OPTIONS #31 WITH A LENEX XP21 HEAT PUMP (10 CREATS) AND OPTION #21. ELECTRIC WATER HEATER WITH A MINIMUM EF OF .013 WITH A WHIRLPOOL ENERGY SMART 50 GAL HEAT WITH A .92 EF RATING. THE PLUMBING FIXTURE EFFICIENCY AND FLOW RATES MEETING THE CODE REQUIREMENTS WILL BE FURNISHED BY THE CONTRACTOR (5 CREATS).

STRUCTURAL LOADS:

FLOOR LIVE LOAD 40 psf  
FLOOR DEAD LOAD 15 psf  
ROOF LIVE LOAD 15 psf  
ROOF DEAD LOAD 12 psf  
WIND SPEED 85 MPH  
EXPOSURE 1  
SEISMIC DESIGN CATEGORY 1C  
ASSUMED SOIL BEARING 1500 psf  
FROST DEPTH 18"

NOTES

FIELD CHECK ALL MEASUREMENTS & CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE 2012 IRC, AND ALL OTHER APPLICABLE CODES & ORDINANCES.



BIDRUP ARCHITECTURE & PLANNING  
1111 1st St. Ste. 100  
Bellingham, WA 98201-1111

PARKHILL HOME

828 PARKHILL MAY 2016  
REVISED MAY 30, 2016

Site Plan

Parkhill Residence

