



High Performance Project



Beacon Hill Residence

Beacon Hill Residence



Participant information
Premier Building Systems
Becky Susan
Puyallup, WA 98375

Phone: 253.225.1617
Email Address: becky.susan@premiersips.com
Website: www.premiersips.com

Category
Single Family under 3,000 sq. ft.

High Performance: Yes

Project information
Beacon Hill Residence
Seattle, WA

Date Completed: March 2018

Total cost of project (exclusive of land): not available

Dimensions of building (all floors of multi-story building):
39'x28'6" First Floor
39'x28'6" Second Floor

Asking price/purchase price (Affordable Housing only):n/a

Total sq. ft. of conditioned space: 1,949 sq ft

Built By (if different than applicant)
TC Legend Homes
Ted Clifton Jr.
702 Kentucky Street #339
Bellingham, WA 98225
Panels Manufactured By

Company Name (members only): Premier Building Systems



Beacon Hill Residence



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

Total sq. ft. of conditioned space: 866 sq ft

Describe the end use of the building: Residential Single Family Positive Energy Home

How did SIP construction help you get this job? TC Legend Homes was selected as the builder for this project. TCL coordinated all aspects of the project from design through construction and chose the best energy efficient envelope to fit the homeowner's budget - much due in part to the SIP system!

SIP wall thickness and core material: 6" GPS Core - R29

SIP roof thickness and core material: 10" GPS Core - R48

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? Install time is days, not weeks with standard framing - which equates to a reduction in framing and other trade labor. Outside of labor, the use of SIPs did not equate to reduced construction material costs, however the costs are comparable if not less expensive overall for the options available on a net-zero/positive energy project. Energy savings are significant with an airtight structure and strategic HVAC/Solar systems.

Describe any innovative design elements or structural engineering involved: The entire project was engineered to both fit the homeowner's budget in the heart of Seattle, and be as energy efficient as possible. This required planning from the start to ensure all systems complimented and optimized. While there is considerable up front planning to achieve high levels of energy efficiency (especially in expensive Seattle region) on a budget, the construction process is optimized and all systems being pre-planned install quickly for reduced construction time.

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

Washington Built Green - Highest 5-Star Status

EPA Indoor AirPLUS Qualified Home

DOE Net Zero Energy Ready Home

HERS Index (required only for High Performance Category and recommended for residential projects): 7

Blower door test results (ACH50) (required only for High Performance Category and recommended for residential projects): ACH 0.36 & 0.41 (two tests). SEE full HERS & DOE Energy Data attached.

Energy use intensity in kBtu/ft² (required only for High Performance Category and recommended for commercial projects): Estimated energy use annually: 6.2 MMBtu

Describe the HVAC system used on the project: Air source heat pump, electric 3.5 COP

Ventilation: Balanced HRV 84 cfm, 34 watts

Thermostat: Programmable heating and cooling

Beacon Hill Residence



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) Triple-Pane Windows, U-Value: 0.180, SHGC: 0.300

Solar Array

Under Slab Insulation, R-20 under & R-20 Edge Slab

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar (judged only for High Performance Category): Passive Solar Orientation

Water heating via heat pump w fan coil units/electric, 2.5 EF, 50 Gal

Radiant floor heat

Were any solar panels installed on the project? If so, indicate the size of the system (judged only for High Performance Category): Yes, photovoltaics estimated at an annual energy consumption of -22 MMBTu/yr (or -\$842.00 for annual energy savings)

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): VOC free interior paint

Rainwater Retention System for exterior irrigation and interior water needs

Any additional comments on the project: GPS insulation core for increased efficiency.

Annual estimated energy cost for all operations is \$370

Front view

Beacon Hill Residence



Front view

Beacon Hill Residence



Front view

Beacon Hill Residence



Front view

Beacon Hill Residence



Front view

Beacon Hill Residence



Indoor
airPLUS
Qualified Home

This home built at
2123 SW Dakota St
Seattle, WA 98106
was verified by
Elizabeth Coe

to meet Indoor airPLUS construction
specifications as established
by the
U.S. Environmental Protection Agency.



Indoor airPLUS qualified homes are
designed to contribute to improved
indoor air quality.

3/29/18



Indoor airPLUS Features

- Moisture and Mold Control
- Radon Resistant Construction
- Pest Barriers
- Effective Heating, Ventilating, and Air-Conditioning Systems
- Safe Combustion
- Healthier Building Materials

Not all features are required in all cases. To learn more about indoor air quality features in your home, ask your builder to review the Indoor airPLUS verification checklist with you, or visit www.epa.gov/indoorairplus.

Front view

Beacon Hill Residence



Home Energy Rating Certificate

Property
Chappell
2123 SW Dakota St
Seattle, WA 98106

HERS
Rating Type: Confirmed
Rating Date: 3/29/18
Registry ID: 632470786

Certified Energy Rater: Elizabeth Coe
Rating Number:

HERS Index: 7

General Information

Conditioned Area	1949 sq. ft.	House Type	Single-family detached
Conditioned Volume	20593 cubic ft.	Foundation	Slab
Bedrooms	3		

Mechanical Systems Features

Water Heating:	Heat pump, Electric, 2.50 EF, 50.0 Gal.
Heating:	Air-source heat pump, Electric, 3.5 COP.
Cooling:	Air-source heat pump, Electric, 3.5 COP.
Duct Leakage to Outside	NA
Ventilation System	Balanced: HRV, 84 cfm, 34.0 watts.
Programmable Thermostat	Heat=Yes; Cool=Yes

Building Shell Features

Ceiling Flat	NA	Slab	R-20.0 Edge, R-20.0 Under
Sealed Attic	NA	Exposed Floor	NA
Vaulted Ceiling	R-48.0	Window Type	U-Value: 0.180, SHGC: 0.300
Above Grade Walls	R-29.0	Infiltration Rate	Htg: 0.36 Clg: 0.36 ACH50
Foundation Walls	NA	Method	Blower door test

Lights and Appliance Features

Percent Interior Lighting	100.00	Range/Oven Fuel	Natural gas
Percent Garage Lighting	100.00	Clothes Dryer Fuel	Electric
Refrigerator (kWh/yr)	520	Clothes Dryer CEF	3.42
Dishwasher (kWh/yr)	259	Ceiling Fan (cfm/Watt)	0.00

Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	6.3	\$232	63%
Cooling	1.1	\$41	11%
Hot Water	3.0	\$110	30%
Lights/Appliances	18.6	\$612	165%
Photovoltaics	-22.8	-\$842	-227%
Service Charges		\$217	59%
Total	6.2	\$370	100%

Criteria

This home meets or exceeds the minimum criteria for the following:



Built by:

TC Legend Homes

Verified by:

Elizabeth Coe

Date:

3/29/18

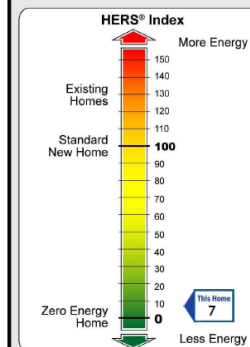
New homes that are Indoor airPLUS qualified meet U.S. Environmental Protection Agency guidelines for improved indoor air quality.

www.epa.gov/indoorairplus

REM/Rate - Residential Energy Analysis and Rating Software v15.4.2

This information does not constitute any warranty of energy cost or savings. © 1985-2017 Noreasco, Boulder, Colorado.
The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

RESNET HERS Index Certificate



2123 SW Dakota St
Seattle, WA 98106
Rater: Elizabeth Coe
Registry ID: 632470786

Annual Estimates:
Elec(kWh): 910 Gas(Therms): 31
CO2 emissions(Tons): 0
Energy Savings (\$**): 2636

*Based on standard operating conditions
**Based on U.S. DOE designation of a HERS Index of 130 as the 'Typical Existing Home'

TITLE
Company
Address
City, State, Zip
Phone #

This home has been inspected and performance tested in accordance with Chapter 3 of the RESNET standards. **RESNET**
www.resnet.us

Front view

Beacon Hill Residence



Residential Energy Modeling

Building Envelope Air Leakage Testing Data

Date:	03/26/2018
Builder:	TC Legend Homes
Property Address:	2123 SW Dakota St, Seattle, WA
Test Pass or Fail:	Pass
ACH 50:	0.41
Conditioned Square Feet/Volume:	1949/18418
CFM @ 50 Pa:	126
Technician:	Elizabeth Coe
Notes:	

Front view

Beacon Hill Residence



YOUR HOME WAS DESIGNED, ENGINEERED, AND CONSTRUCTED IN CONFORMANCE TO U.S. DEPARTMENT OF ENERGY (DOE) GUIDELINES FOR EXTRAORDINARY LEVELS OF EXCELLENCE AND QUALITY.

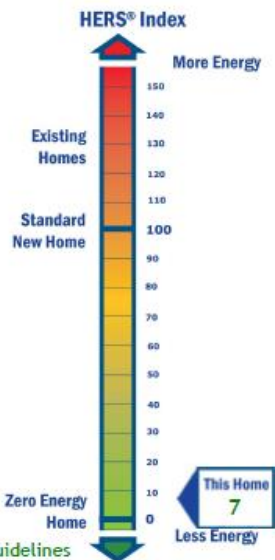
This home built at 2123 SW Dakota St.
By TC Legend Homes
Verified by Elizabeth Coe
an independent professional organization, to meet or exceed strict home performance guidelines set by The U.S. Department of Energy on 3/29/2018

THIS HOME MEETS OR EXCEEDS THE MINIMUM CRITERIA FOR THE FOLLOWING:

DOE Zero Energy Ready Home Quality Management Guidelines

REM/Rate - Residential Energy Analysis and Rating Software v15.4.2

SAM RASHKIN, CHIEF ARCHITECT
BUILDING TECHNOLOGIES
U.S. DEPARTMENT OF ENERGY



ENERGY STAR® CERTIFIED NEW HOME

Builder Name: TC Legend Homes
Permit Date/Number:
Home Address: 2123 SW Dakota St
Seattle, WA 98106

Rating Company: Ecoc Company
Rater Identification Number: 5849918
Rating Date: 3/29/18
Version: 3.1

Standard Features of an ENERGY STAR Certified New Home

Your ENERGY STAR certified new home has been designed, constructed, and independently verified to meet rigorous requirements for energy efficiency set by the U.S. Environmental Protection Agency (EPA), including:

Thermal Enclosure System

A complete thermal enclosure system that includes comprehensive air sealing, quality-installed insulation and high-performing windows to deliver improved comfort and lower utility bills.

Air Infiltration Test: Htg: 0.36 Ctg: 0.36 ACH50

Primary Insulation Levels:

Ceiling: R-48.0

AGWall: R-29.0

Primary Window Efficiency:
U-Value: 0.180, SHGC: 0.300



Slab: R-20.0,
R-20.0

Water Management System

A comprehensive water management system to protect roofs, walls, and foundations.

Flashing, a drainage plane, and site grading to move water from the roof to the ground and then away from the home.

Water-resistant materials on below-grade walls and underneath slabs to reduce the potential for water entering into the home.

Management of moisture levels in building materials during construction.



Heating, Cooling, and Ventilation System

A high-efficiency heating, cooling system, and ventilation system that is designed and installed for optimal performance.

Total Duct Leakage:

NA

Duct Leakage to Outdoors:

NA

Primary Heating (System Type • Fuel Type • Efficiency):

Air-source heat pump, Electric, 3.5 COP.

Primary Cooling (System Type • Fuel Type • Efficiency):

Air-source heat pump, Electric, 3.5 COP.



Energy Efficient Lighting and Appliances

Energy efficient products to help reduce utility bills, while providing high-quality performance.

ENERGY STAR Qualified Lighting: 100%

ENERGY STAR Qualified Appliances and Fans:

Refrigerators: 1

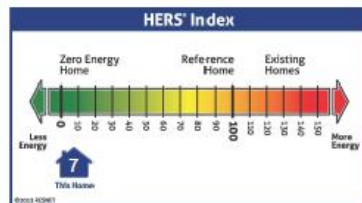
Dishwashers: 1

Ceiling Fans: 0

Exhaust Fans: 1

Primary Water Heater (System Type • Fuel Type • Efficiency):

Heat pump, Electric, 2.50 EF, 50.0 Gal.



The certificate provides a summary of the major energy efficiency and other construction features that contribute to this home earning the ENERGY STAR. Excluding its Home Energy Rating System (HERS) score, as determined through independent inspection and verification performed by a trained professional. The Home Energy Rating System is a nationally-recognized uniform measurement of the energy efficiency of homes.

Note that when a home contains multiple performance levels for a particular feature (e.g., window efficiency or insulation levels), the predominant value is shown. Also, homes may be certified to meet the ENERGY STAR using a sampling protocol, whereby one home is randomly selected from a set of homes for representative inspections and testing. In such cases, the features found in each home within the set are intended to meet or exceed the values presented on this certificate. The actual values for your home may differ, but offer equivalent or better performance.

This certificate was printed using REM/Rate - v15.4.2.
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Learn more at www.energystar.gov/homefeatures

Front view

Beacon Hill Residence



DOE Zero Energy Ready Home

Energy Performance	
House Type	DOE Zero Energy Ready Home Builder Partner ID#
Single-family detached	634
Year built	Square footage of Conditioned Space including Basement
2018	1949.0
Number of Bedrooms	Square footage of Conditioned Space without Basement
3	1949.0
Site address (if not available, list the site Lot #)	Registered Builder
2123 SW Dakota St	TC Legend Homes
Seattle	Certified Rater
WA, 98106	Elizabeth Coe
HERS Index without On-site Generation	Date of Rating
46	3/29/18
HERS Index with On-site Generation	Rating Software
7	REM/Rate - v15.4.2
HERS Index of the Target Home using size adjustment factor	Estimated annual energy costs(\$)
67	370
Estimated annual energy use	Estimated annual energy savings:
Electric: 910 kWh \ Natural Gas: 31 Therms	Electric: 15727 kWh \ Natural gas: 0 Therms
Energy cost rates	Estimated annual emissions reductions
Electric: 0.10 \$/kwh \ Natural Gas: 1.25 \$/Therms	CO2: 2.3 tons / SO2: 1.4 lbs / NOx: 4.0 lbs

DOE Zero Energy Ready Home Certification

As the certified Rater for this house, I certify this house meets/complies with all mandatory requirements of the DOE Zero Energy Ready home guidelines, including the following:

X	Compliance with all ENERGY STAR Qualified Homes Version 3 requirements and checklists
X	Compliance with Mandatory Fenestration Requirements
X	Compliance with Mandatory Insulation Requirements
X	Compliance with Mandatory Duct Location Requirements
X	Compliance with Mandatory Appliance Requirements
X	Compliance with Mandatory Lighting Requirements
X	Compliance with Mandatory Fan Efficiency Requirements
X	Compliance with Mandatory EPA Indoor airPLUS
X	Compliance with Mandatory Water Efficiency Requirements
X	Compliance with Mandatory Renewable Energy Ready Solar Electric Requirements
This home was qualified via sampling in lieu of testing, in accordance with allowable sampling provisions as stated in the DOE Zero Energy Ready Home National Program Requirements	

Optional Compliance for Builder Recognition

I further certify that the following also apply to this house:

YES	NO	DON'T KNOW	Optional Home Builder Commitments for Recognition
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*Certification under the DOE Zero Energy Ready Home permits limited exceptions to full compliance with Indoor airPLUS. Builders seeking the Indoor airPLUS label must achieve full compliance with the Indoor airPLUS Verification Checklist.

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DOE Zero Energy Ready Home

Optional Compliance for Builder Recognition			
I further certify that the following also apply to this house:			
YES	NO	DON'T KNOW	Optional Home Builder Commitments for Recognition
	X		Certified under the EPA WaterSense for New Homes Program
	X		Certified under the IBHS Fortified for Safer Living Program
X			Followed the DOE Zero Energy Ready Home Quality Management Guidelines
		X	The buyer of this home signed a waiver giving DOE Zero Energy Ready Home access to utility bill data for one year

*Certification under the DOE Zero Energy Ready Home permits limited exceptions to full compliance with Indoor airPLUS. Builders seeking the Indoor airPLUS label must achieve full compliance with the Indoor airPLUS Verification Checklist.

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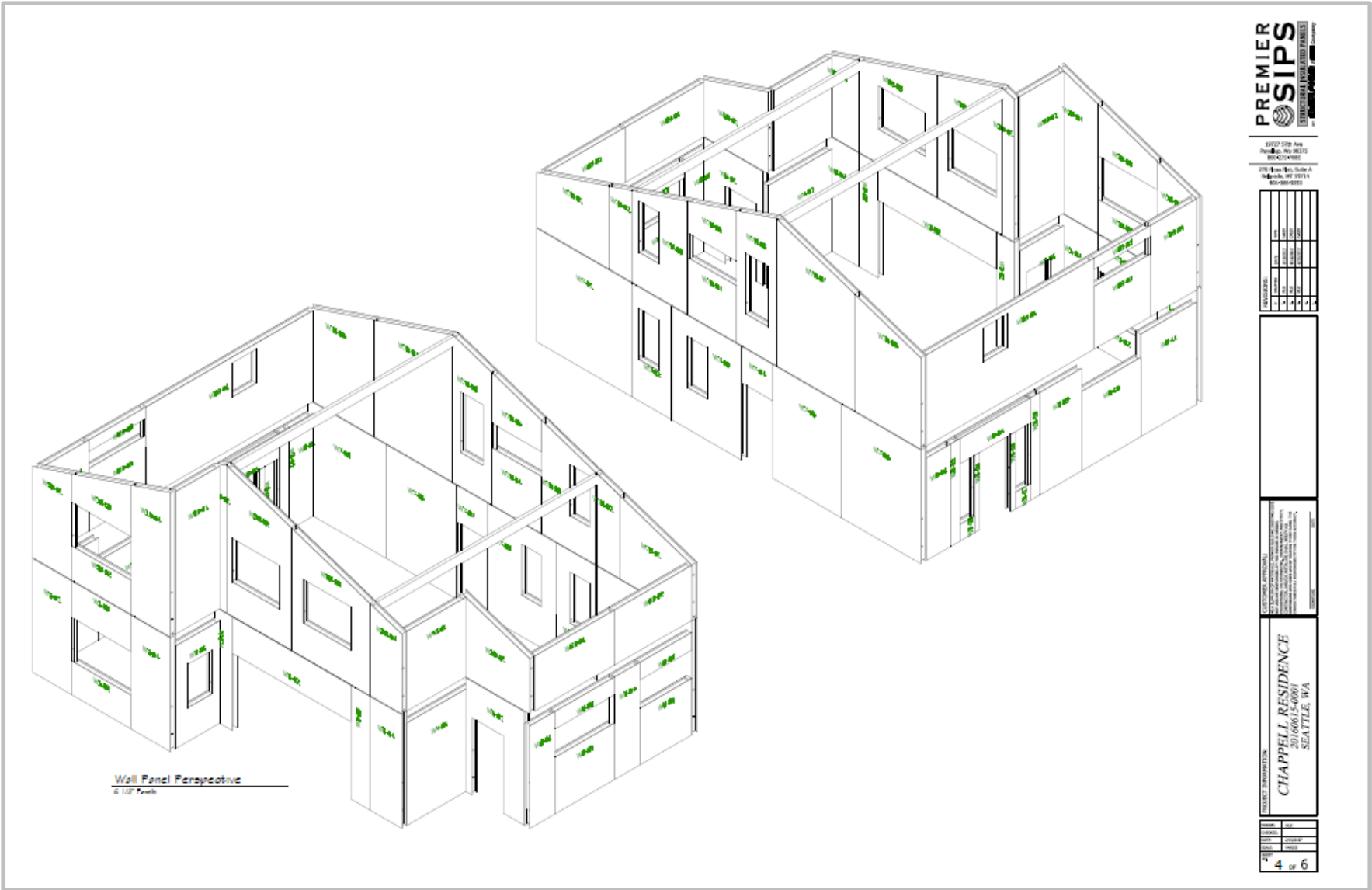
Front view

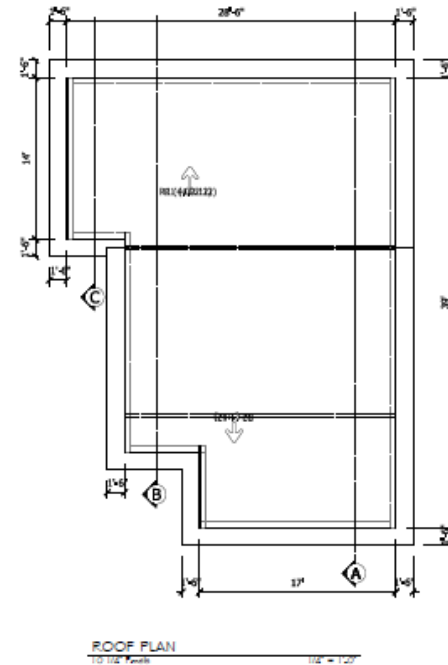
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Front view

Beacon Hill Residence



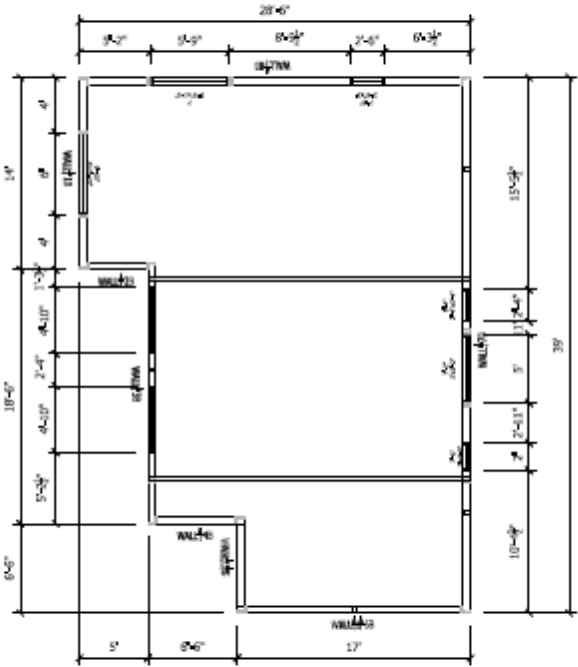
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Front view

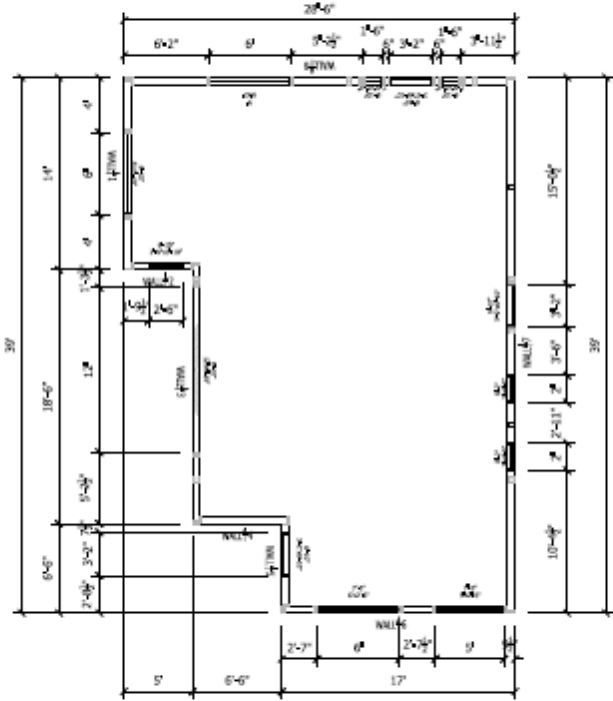
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- NOTES:
- 1. ALL ENGINEERING PROVIDED BY OTHERS.
 - 2. ALL OVERHANG DIMENSIONS ARE TO TOP SEIN OF SIP ROOF PANEL UNLESS NOTED.
 - 3. ROUGH OR SMOOTH OSB DOES NOT DENOTE TOP OR BOTTOM OF SIP. REFER TO PANEL LAYOUTS FOR PANEL ORIENTATION.
 - 4. ALL IN-PLANE, PANEL-TO-PANEL JOINTS PRE-CUT UNLESS NOTED.
 - 5. INSUL-BEAM HEADERS ARE CUT TO 2" INCREMENTS ROUNDED UP FROM THE REQUIRED ROUGH ORINGING. (IF YOU'RE ABOUT TO CUT OFF MORE THAN 2" OF INSUL-BEAM THEN YOU'RE CUTTING THE WRONG ONE).
 - 6. JOISTS ARE CUT TO 2" INCREMENTS ROUNDED UP FROM THE REQUIRED SPAN. (IF YOU'RE ABOUT TO CUT OFF MORE THAN 2" OF JOISTS THEN YOU'RE CUTTING THE WRONG ONE).
 - 7. SIP TAPE PROVIDED FOR ROOF CONNECTIONS ONLY.
 - 8. STANDARD DETAILS PROVIDED FOR TYPICAL INSTALLATION METHODS. REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR JOB SPECIFIC CONNECTION DETAILS.
 - 9. BEAM POCKETS TO BE FIELD CUT FOR PROPER ELEVATION AND SIZE.
 - 10. FACTORY INSTALLED LUMBER (IF REQUESTED BY CUSTOMER) WILL BE HIGHLIGHTED IN RED IN THE SIP PANEL LAYOUTS.



2ND FLOOR PLAN
1/8" = 1'-0"



1ST FLOOR PLAN
1/8" = 1'-0"

PREMIER
SIPS

1000 SPS A
1000 SPS B
1000 SPS C
1000 SPS D
1000 SPS E
1000 SPS F
1000 SPS G
1000 SPS H
1000 SPS I
1000 SPS J
1000 SPS K
1000 SPS L
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1000 SPS P
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1000 SPS R
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1000 SPS T
1000 SPS U
1000 SPS V
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1000 SPS Y
1000 SPS Z

REVISION	DATE	BY	CHKD	APPD
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**PREMIER
SIPS**
STRUCTURAL INSULATED PANELS



MANUFACTURING/SALES

19727 57th AVE E.
PUYALLUP, WA 98375
OFFICE-800.275.7086
FAX-253.271.3265

1155 BUSINESS PARK DR.
DIXON, CA 95620
OFFICE-707.678.6900
FAX-707.678.2962

SALES

270 FLOSS FLAT SUITE A
BELGRADE, MONTANA 59714
OFFICE-406.388.5553
FAX-406.388.5557

NOTES:

CHAPPELL RESIDENCE

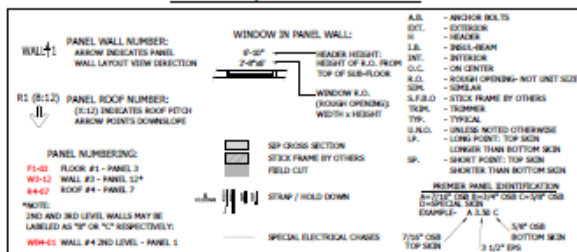
GENERAL NOTES

- PREMIER IS A MATERIAL SUPPLIER AND NOT A BUILDER. PREMIER INSTALLATION OF OUR PRODUCT SHOULD BE DONE BY A QUALIFIED CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE AND LOCAL CODES AND REGULATIONS.
- SHOP DRAWINGS ARE PREMIER'S INTERPRETATION OF THE PLANS PROVIDED. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND VERIFY ALL DIMENSIONS WITH ARCHITECT. PANELS ARE INDICATED FOR THESE SHOP DRAWINGS. ANY DISCREPANCIES OR MISSING ITEMS IN THESE SHOPS SHOULD BE NOTED.
- PREMIER SHOP DRAWINGS ARE TO BE USED IN CONJUNCTION WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. IF ANYTHING IS NOT CLEAR OR THERE ARE QUESTIONS THEY SHOULD BE IMMEDIATELY DIRECTED TO THE ENGINEER OF RECORD.
- CONTRACTOR SHOULD LOOK THROUGH THE PLANS CAREFULLY TO INSURE THAT ALL ASPECTS OF SIP PACKAGE CAN BE CONSTRUCTED THROUGH THEIR PREHARRANGED MEANS AND METHODS PRIOR TO ORDERING SIP ON THE SHOP DRAWINGS.
- DETECTION OF WORK FOR SIP PACKAGE MAY REQUIRE COORDINATION WITH OTHER TRADES (E.G. ELECTRICAL, PLUMB, WINDOW/DOOR MANUFACTURERS, ETC.). THEN COORDINATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
- WHEN BUILT PROPERLY A SIP BUILDING PROVIDES A TIGHT ENVELOPE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT THE SIP STRUCTURE IS PROPERLY VENTILATED TO INSURE INSIDE AIR QUALITY AND HUMIDITY LEVELS.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT ALL PANELS ARE PROPERLY SEALED INTO THE PANEL JOINTS AND COMPLETELY SEALED WITH PUTTY OR EXPANDED URAC FLOW, INCLUDING BUT NOT LIMITED TO WALL JOINTS, PENETRATIONS, LIFTING HOLES, ETC. Voids BETWEEN WALL JOINTS ARE NOT ACCEPTABLE IN A PREMIER SIP INSTALLATION.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE PROPER INSULATION BARRIER (E.G. HOUSE WRAP, FLASHING, ROOF UNDERLAYMENT, ETC.) TO GO IN THE BUILDING ENVELOPE.
- SOME DIMENSIONS CAN NOT BE VERIFIED UNTIL CONSTRUCTED. THEREFORE PREMIER TAKES NO RESPONSIBILITY FOR FIELD VARIATIONS. SOME FIELD VARIATIONS ARE NOT PROPERLY NOTED ON THE DRAWINGS BUT MAY NOT BE LIMITED TO ONLY THOSE AREAS.
- YOU MAY EXPERIENCE DIMENSIONAL VARIANCES FROM THE MANUFACTURING DIMENSIONS AS PANELS ARE ASSEMBLED DUE TO GAPS AT PANEL JOINTS AND ADDITIONAL MANUFACTURING CONSTRUCTION VARIANCES SUCH AS PARALLELISM TOLERANCES, LUMBER JOINT THEOREM VARIANCES, ETC. FIELD CUTTING THE SIP MAY BE REQUIRED TO INSURE THAT THE TOTAL WALL OR ROOF ASSEMBLY IS PER THE CONSTRUCTION DRAWINGS. PREMIER WILL ALSO GAPS ALL INDICATED ON PANEL LAYOUTS BETWEEN PANEL JOINTS IN THE SHOP DRAWINGS (TYPICALLY 1/8" GAPS).
- IT IS THE BUILDER'S RESPONSIBILITY TO DETERMINE ALL MATERIALS NECESSARY FOR PANEL INSTALLATION. THIS INCLUDES VERIFYING THAT THE MATERIALS PREMIER WILL BE PROVIDING ARE ADEQUATE FOR THE PROJECT AND SOURCE ANY ADDITIONAL MATERIALS REQUIRED FOR PANEL INSTALLATION THAT ARE NOT PROVIDED BY PREMIER.

DELIVERY & STORAGE

IN ORDER TO KEEP YOUR PRESENT COSTS TO A MINIMUM AND MAKE THE MOST EFFICIENT USE OF THE SPACE AVAILABLE ON A TRUCK, WE TYPICALLY DO NOT SHIP PANELS IN NUMERICAL SEQUENCE. BEARS IN MIND THAT ALL PANELS HAVE HANGERS WHICH DO MAKE FOR A SMOOTH CERTIFICATION PROCESS. HOWEVER, IF YOU DESIRE A SPECIAL LIFTING PLAN, THAT REQUEST, AND LIFTING, MUST BE MADE CONCURRENT WITH THE REVIEW OF THE BUILDING SHOP DRAWINGS AND MAY BE SUBJECT TO AN ADDITIONAL FEE. PANELS ARE HANGERS AT 4' X 8' MEETING AND UP TO 24' LENGTHS. IF HOOKS ARE REQUIRED FOR IF WIDE PANELS (ORDER TO THE CONTRACT OF SALE FOR MORE INFORMATION OR ASK PREMIER FOR A DELIVERY INFORMATION SHEET). ALL PANELS SHALL BE STORED IN A PROTECTED AREA AND SUPPORTED EVERY 4' TO PREVENT DEFORMATION AND CONTACT WITH THE GROUND. DO NOT USE A BLANK OR DARK COLORED TAPE. PRIOR TO INSTALLATION, ALL PANELS SHALL BE COVERED TO PREVENT CONTACT WITH WATER ON ALL EXPOSED PANEL EDGES.

LEGEND/ABBREVIATIONS



REVIEWING PANEL LAYOUT DRAWINGS

WHEN REVIEWING SHOP DRAWINGS, BEGIN BY CHECKING ALL OF THE OVERALL DIMENSIONS OF THE PROJECT. IF THE PROJECT HAS FLOOR PANELS, PLEASE CHECK PRESENT LAYOUT LOCATIONS FOR WILD BLOCKING AND MAKE SURE ANY OPENINGS OR STEP DOWNS ARE CORRECT. AFTER THE FLOORS HAVE BEEN COMPLETELY CHECKED, MOVE TO THE WALLS. THE WALLS WILL BE SHOWN ON A KEYED FLOOR PLAN WITH WALL NUMBERS CALLED OUT AND AN ARROW POINTING THE VIEW DIRECTION OF EACH OF THE PANEL WALL LAYOUTS. THESE NUMBERS AND THEIR ORIENTATION WILL ALSO BE LOCATED YELLOW STICKY LABELLED WALL. DOWNSIDE THE LOCATION OF THE PANEL CORNER LAPS. SOME OF THE WALLS WILL BE WORKERS DUE TO CORNER LAPS AND TO THE PANEL THICKNESS. AFTER YOU HAVE MADE SURE ALL DIMENSIONS MATCH YOUR ARCHITECTURAL PLANS, MOVE TO THE WINDOWS AND DOORS. MAKE SURE THAT THE ROUGH OPENING FOR THE WINDOWS AND DOORS ARE THE CORRECT SIZE AND ARE LOCATED PROPERLY. IF THE ROUGH FOR THE PROJECT IS ALSO PANELS, CHECK THE ROOF PITCH, ROOF LOCATION, AND THE OVERHANG AT THE EAVES AND GABLES. EVEN IF THE ROOF IS A SYSTEM OTHER THAN PANELS, GABLE WALL HEIGHTS MAY BE DEPENDENT ON HILL HEIGHTS OR BE NOTICED FOR LOOK OUT SURMISES. IF THERE ARE NOTICES, CHECK THE ROUGH OPENING FOR CORRECT SIZE AND LOCATION. PANEL DRAWINGS ARE TO BE REVIEWED BY DIMENSIONING AND APPROVED BY OWNER, CONSIDERING ALL CONSIDERATIONS. OWNER IS RESPONSIBLE FOR VERIFYING ALL PANEL DRAWING DIMENSIONS TO INSURE PROPER ASSEMBLY. CHECK CORRECT DIMENSIONS AND CLOUD CHANGES DIMENSIONS MAY RESULT IN FIELD VARIATIONS.

WHEN YOU HAVE REVIEWED VERIFYING THE SHOP DRAWINGS AND HAVE MADE ANY CHANGES/REVISIONS, COPY THOSE CHANGES TO THE SECOND SET AND SEND IT BACK TO PREMIER FOR REVISIONS.

ANY AND ALL DISCREPANCIES RELATED TO PANELS ON SITE ARE THE RESPONSIBILITY OF OWNER UNLESS THERE IS A DISCREPANCY BETWEEN HANGERS AND SIGNED SHOP DRAWINGS. PREMIER HOLDS FIRST RIGHT OF DECISION TO REPAIR, REMOVE OR PAY FOR REMOVAL OF ALL PRODUCTS IN DISCREPANCY WITH PANEL SHOP DRAWINGS.

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ENGINEERING DATA

NO.	DESCRIPTION	UNIT	VALUE
1	WIND SPEED	MPH	110
2	WIND DIRECTION	DEG	110
3	WIND PERIOD	YRS	10
4	WIND LOAD	PSF	15
5	WIND LOAD	PSF	15
6	WIND LOAD	PSF	15

LIST OF DRAWINGS

- TITLE SHEET, PROJECT INFO
- FLOOR PLANS
- ROOF PLAN & SECTIONS
- PERSPECTIVE VIEWS
- WALL PANEL LAYOUTS
- ROOF PANEL LAYOUTS & PIG DETAILS

PROJECT NAME TC LEGEND HOMES CHAPPELL RESIDENCE		SITE ADDRESS 2123 SW DAKOTA ST. SEATTLE, WA 98106																													
CONTACT INFORMATION 201.606.15-0001		CONTACT INFORMATION TED CLIFTON HOMES 702 KENTUCKY ST #339 BELLINGHAM, WA 98225																													
DRAWN BY: MATT KARNES		DATE: FEBRUARY 13, 2017																													
CHECKED BY:																															
<table border="1"> <thead> <tr> <th colspan="4">REVISIONS:</th> </tr> <tr> <th>#</th> <th>CHANGES</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MIX</td> <td>5/1/2017</td> <td>CHRY</td> </tr> <tr> <td>2</td> <td>MIX</td> <td>5/1/2017</td> <td>CHRY</td> </tr> <tr> <td>3</td> <td>MIX</td> <td>5/2/2017</td> <td>CHRY</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				REVISIONS:				#	CHANGES	DATE	TIME	1	MIX	5/1/2017	CHRY	2	MIX	5/1/2017	CHRY	3	MIX	5/2/2017	CHRY	4				5			
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AS A SUPPLIER OF MATERIALS ONLY, PREMIER SIPS DOES NOT ASSUME RESPONSIBILITY FOR ERRORS IN DESIGN, ENGINEERING, OR DIMENSIONS. OWNER/AGENT (ARCHITECT, CONTRACTOR, AND/OR INSTALLER) SHALL VERIFY ALL DIMENSIONS AND SIZES, AND BY SIGNING THESE PLANS, THE OWNER TAKES FULL RESPONSIBILITY FOR THEIR ACCURACY.

CUSTOMER'S SIGNATURE _____ DATE _____

CUSTOMER'S REQUESTED DATE OF DELIVERY _____

- ☐ REVISE & RESUBMIT
☐ APPROVED WITH REVISIONS AS NOTED IN RED
☐ APPROVED AS DRAWN