

# CITY OF MERCER ISLAND

## COMMUNITY PLANNING & DEVELOPMENT

9611 SE 36TH STREET | MERCER ISLAND, WA 98040

PHONE: 206.275.7605 | [www.mercergov.org](http://www.mercergov.org)



### PERMIT APPLICATION

<b>A</b>	<b>SITE ADDRESS*</b> 7376 SE 71st Street, Mercer Island WA 98040	<b>PROJECT VALUATION*</b> \$40,000	<b>PERMIT #</b>
	<b>PROPERTY OWNER* Hulen LLC</b> TENANT NAME	<b>ADDRESS*</b> 7376 SE 71st Street, Mercer Island WA 98040	<b>PHONE/OFFICE*</b> <b>E-MAIL* STEVE@POOREZONE.COM</b>
<b>P</b>	<b>APPLICANT CONTACT NAME*</b> Mikaela Sundberg	<b>ADDRESS*</b> 1501 East madison Street Suite 205	<b>CELL/OFFICE* 206-322-1130</b> <b>E-MAIL* mika@sklarchitects.com</b>
	<b>ARCHITECT / DESIGNER (Company/Name)</b> Mikaela Sundberg	<b>ADDRESS</b> 1501 East Madison Street Suite 205 Seattle WA 98122	<b>CELL/OFFICE 206-322-1130</b> <b>E-MAIL* mika@sklarchitects.com</b>
<b>L</b>	<b>STRUCTURAL ENGINEER (Company/Name)</b> Swenson Say Faget	<b>ADDRESS</b> 2124 3rd Ave Seattle WA 98121	<b>CELL/OFFICE 206-956-3736</b> <b>E-MAIL* zkanyer@ssfengineers.com</b>
	<b>CONTRACTOR(Company/name)</b> Schultz Miller	<b>ADDRESS</b> 1015 NE 113th street Seattle WA 98125	<b>CELL/OFFICE 206-281-1234</b> <b>EMAIL* Patrick Kerr &lt;pkerr@schultzmiller.com&gt;</b>
<b>I</b>	<b>STATE CONTRACTOR LICENSE* # CSHULM114NC</b>	<b>MI BUSINESS LICENSE* # 600593872</b>	
	<b>ELECTRICAL CONTRACTOR (Company/Name)</b>	<b>ADDRESS</b>	<b>CELL/OFFICE</b> <b>EMAIL*</b>
<b>C</b>	<b>STATE CONTRACTOR LICENSE # CSHULM114NC</b>	<b>MI BUSINESS LICENSE # 600593872</b>	
	<b>*REQUIRED</b>		
<b>A</b>	<b>PERMIT TYPE</b>	<input checked="" type="checkbox"/> Building <input type="checkbox"/> Fire Protection <input type="checkbox"/> Plumbing <input type="checkbox"/> Demolition <input type="checkbox"/> Grading <input type="checkbox"/> Fuel Tank <input type="checkbox"/> Electrical <input type="checkbox"/> Mechanical <input type="checkbox"/> Stormwater <input type="checkbox"/> Low Voltage <input type="checkbox"/> Site Development	<b>OCCUPANCY TYPE</b>
		<input checked="" type="checkbox"/> Single Family <input type="checkbox"/> Multi-Family <input type="checkbox"/> Commercial <input type="checkbox"/> Mixed Use <input type="checkbox"/> Church/School	<b>WORK TYPE</b>
		<input checked="" type="checkbox"/> Addition <input type="checkbox"/> Alteration <input type="checkbox"/> New <input type="checkbox"/> Repair /	
<b>Will your project result in:</b>		<b>WORK DESCRIPTION:</b>	
A change of use	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Addition of less than 500 square feet of daylight basement to expand the interior living space. The expansion occurs underneath an existing deck in a single family residence, no new impervious surface will be added, no existing trees will be effected.	
New Single Family dwelling	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
A reduction in any existing side yard setback	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
An increase in impervious surface by more than 100 square feet	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
An increase in the gross floor area of more than 500 square feet	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
An increase in the maximum building height above the highest point of the building	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
<b>NOTICE TO APPLICANT</b>			
This permit becomes null and void if the work or construction authorized is not commenced within two years, or if work or construction is suspended or abandoned for two years at any time after work is commenced or if work is not completed within two years from date of issue. Electrical, mechanical and plumbing permits shall expire at the same time as the associated building permit except that if no associated building permit is issued, the electrical, mechanical and/or plumbing permit shall expire 180 days from issuance. All work shall be done in accordance with the approved plans, except where such approval is in conflict with other codes. The approved plans shall not be changed or modified without the prior approval of the Building Official. It is the responsibility of the permittee to obtain the required inspections. Failure to notify this department that work is ready for inspection may necessitate the removal of some of the construction materials at the owner's expense in order to perform such inspections.			
I hereby certify that I am the owner of the subject property or I have been authorized by the owner(s) of the subject property to represent this application, and that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be met whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction of the performance of construction.			
_____ Signature of Owner/Contractor/Authorized Agent		06/25/2020 _____ Date	Mikaela Sundberg _____ Printed Name of Owner/Contractor/Authorized Agent



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Inspection Requests: Online: [www.mybuildingpermit.com](http://www.mybuildingpermit.com) VM: 206.275.7730



### Residential Water Meter Sizing Worksheet

Owner's Name:	Main Permit #
Site Address:	Water Permit #

Fixture Type	Number of Fixtures			Fixture Units	Total Units
	New (For replacement, list as existing)	Existing	Total Fixtures		
Bathtub or Combination Bath/Shower		2		x 4	= 8
3/4" Bathtub Fill Valve (Soaker Tubs)				x 10	=
Shower (per head)		4		x 2	= 8
Sink		9		x 1	= 9
Toilet		6		x 2.5	= 15
Bidet				x 1	=
Kitchen Sink		2		x 1.5	= 3
Dishwasher		2		x 1.5	= 3
Bar Sinks & Ice Makers		6		x 1	= 6
Clothes Washer		2		x 4	= 8
Laundry Sink		2		x 1.5	= 3
Drinking Fountain				x 0.5	=
Hose Bibs (first)				x 2.5	=
Each additional		3		x 1	= 3
Lawn Sprinkler Irrigation/per head		18		x 1	= 18
Other:				x	=
				<b>TOTAL UNITS</b>	<b>= 86.5</b>

<i>For Official Use Only</i>	
<b>REQUIRED SERVICE SIZE</b>	
<b>Requirements are based per 2015 U.P.C., Chapter 6, Table 610.4</b>	
Existing Meter Size:	Meter Number:
Upsize: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes the code requires:	<input type="checkbox"/> 5/8" <input type="checkbox"/> 3/4" <input type="checkbox"/> 1" <input type="checkbox"/> 1 1/2" <input type="checkbox"/> 2" <input type="checkbox"/> Larger:
Map Page & Hydrant #:	Required Supply Line Size:
Distance from meter to farthest Fixture outlet (in feet):	Required Service Line Size: (from water main to meter)
Known Static Pressure: (Otherwise use 65lb/in)	*REQUIRED METER SIZE:
Height difference (in feet):	** Pressure Reducing valve required: <input type="checkbox"/> Yes <input type="checkbox"/> No
Minus if Building Higher – x .5	
Building Design P.S.I.	

\*Meter installation **DEPOSIT** for these items. Additional charges may be incurred for time and materials

\*\*Pressure Reducing valve is required if the known water pressure is in excess of 80 psi.



# CITY OF MERCER ISLAND

Fire Marshal's Office

3030 78th Ave SE | MERCER ISLAND, WA 98040

PHONE: 206.275.7966 | [www.mercergov.org](http://www.mercergov.org)



## 2019 RESIDENTIAL FIRE AREA SQUARE FOOTAGE CALCULATION

<b>Project Type:</b> <input type="checkbox"/> New Single Family <input checked="" type="checkbox"/> Alteration <input type="checkbox"/> Addition
<b>Project Address:</b> 7376 SE 71st Street mercer Island WA 98040
<b>Contact Name:</b> Mika Sundberg 206-322-1130 <b>Phone No.</b>
<b>Owner Name:</b> Hulen LLC

Gross floor area shall be that area in square feet under the roof line of the structure including all usable area whether heated or not, above and below grade. This includes the garage and any unheated storage rooms or attachments including covered decks. If it is *usable space*, then it is included in the **Gross** square footage calculation. *This is not the same calculation for floor area ratio.*

For all construction types, add all the interior wall measurements of each floor and the basement and total that figure.

### NEW CONSTRUCTION *(over for addition or alteration)*

Measurements	Square Footage
Main Floor interior	0
Lower Floor Interior	0
Other Floors interior	0
Basement interior	0
Attached Garage interior	0
Covered Decks interior	0
Other interior	0
<b>TOTALS</b>	

# ADDITION or ALTERATION

Does this house have an existing <b>Fire Sprinkler System?</b> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> / <b>Fire Alarm System</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Measurements	Existing Square Footage	Standardized Value	Final Square Footage
Main Floor interior	4017 sqft	x \$177.76 = \$714,062	4017 sqft
Lower Floor Interior		x \$177.76 = _____	
Other Floors interior	960 sqft	x \$177.76 = \$170,650	960 sqft
Basement interior	3130 sqft	x \$177.76 = \$556,388	3560 sqft
Attached Garage interior	1628 sqft	x \$ 36.88 = 60,040	1628 sqft
Covered Decks interior	2175 sqft	x \$ 36.88 = \$210,714	1745sqft
Other interior		x \$177.76 = _____	
<b>TOTALS</b>	<b>11,910 sqft</b>	<b>\$1,711,854</b>	<b>11,910sqft</b>

Construction Cost \$ \$40,000

Official Use	
Verified Cost \$ _____	
Higher of Verified or Cost \$ _____ / Value _____ = % _____	
<input type="checkbox"/> Valuation Ratio <ul style="list-style-type: none"> <li><input type="checkbox"/> Exempt structure - detached garage or similar structure less than 750 sf.</li> <li><input type="checkbox"/> Less than 10% (fire review not required)</li> <li><input type="checkbox"/> 10 - 49% (monitored Household Fire Alarm System per NFPA 72 Chapter 29, if fire deficiency)</li> <li><input type="checkbox"/> 50% or greater (substantial alteration)</li> </ul>	

## 2015 INT'L FIRE CODE

**901.4.4 Additional Fire Protection Systems.** In occupancies of a hazardous nature, where special hazards exist in addition to the normal hazards of the occupancy, *or where the fire code official determines that access for fire apparatus is unduly difficult, the fire code official shall have the authority to require additional safeguards.* Such safeguards include, but shall not be limited to, the following:

- Automatic fire detection systems,
- Fire alarm systems,
- Automatic fire-extinguishing systems,
- Standpipe systems, or
- Portable or fixed extinguishers.

Fire protection equipment required under this section shall be installed in

accordance with this code and the applicable referenced standards.

## 2015 INT'L RESIDENTIAL CODE

**AV107.1 Fire Sprinklers.** An approved automatic fire sprinkler system shall be installed in new one-family and two-family dwellings and townhouses in accordance with Appendix Q.

**AV107.2 Fire Sprinklers in Existing Buildings.** An approved automatic fire sprinkler system shall be installed throughout the residence in existing one-family and two-family dwellings (and townhouses) in accordance with Appendix Q when undergoing a remodel or addition when the construction value of all additions, alterations or repairs performed within

a sixty-month period exceeds 50% of the value of the residence. Value shall be determined by a method approved by the fire code official.

**AV107.3 Household Fire Alarm System.** An approved household fire alarm system shall be installed throughout the residence in existing one-family and two-family dwellings (and townhouses) that have deficiencies in fire flow, hydrants or access. This system shall be installed in accordance with NFPA 72 Chapter 29 when undergoing a remodel or addition when the construction value of all additions, alterations or repairs performed within a sixty-month period is within 10% to 50% of the value of the residence. Value shall be determined by a method approved by the fire code official.

# Alterations Worksheet 2015 Washington State Energy Code

## Project Information

430 sqft addition to an existing single family residence. Addition to occur under an existing concrete deck and enlarges the living space of the existing daylight basement.

## Contact Information

Mika Sundberg, Designer with SKL Architects  
1501 East Madison Street Suite 205  
Seattle WA 98122  
206-322-1130 mika@sklarchitects.com

The Washington State Energy Code requirements for alterations are located in Chapter 5  
**Alterations (remodels) do not need to obtain energy credits from Table R406.2**

Additions must meet the requirements for new construction. This includes nonconditioned space being altered to become conditioned space.

**Will the wall cavities be exposed?**

Yes  No

**If yes:** Exposed wall cavities must be insulated -  
2 X 4 wall studs require **R-15** insulation  
2 X 6 wall studs require **R-21** insulation

**Will the roof/ceiling framing cavities or attic be exposed?**

Yes  No

**If yes:** Exposed roof/ceiling assemblies must be insulated -  
Vaulted ceilings: Insulate to the full depth of the framing member while allowing for the minimum 1" ventilated space  
Flat ceilings: Install R-49 insulation or what the attic space can accommodate based on the roof pitch

**Will the floor framing cavities be exposed?**

Yes  No

**If yes:** Exposed floor cavities must be insulated to R-30

**Are the windows and/or doors being replaced?**

Yes  No

(includes both window or door and frames)

**If yes:** New windows and doors must have an area weighted average U-factor of  $\leq 0.30$

**Will the heating or cooling system be replaced?**

Yes  No

**If yes:** New equipment must meet current requirements and ducts need to be tested

**Will the hot water system be altered?**

Yes  No

**If yes:** New water heating equipment must meet current code requirements

**Are more than 50% of the light fixtures being changed?**

Yes  No

**If yes:** 75% of all lamps must be high efficacy (LED or CFL)

**R503.1.1 Building envelope.** Building envelope assemblies that are part of the alteration shall comply with Section R402.1.1 or R402.1.4, Sections R402.2.1 through R402.2.11, R402.3.1, R402.3.2, R402.4.3 and R402.4.4.

**Exception:** The following alterations need not comply with the requirements for new construction provided the energy use of the building is not increased:

1. Storm windows installed over existing fenestration.
2. Existing ceiling, wall or floor cavities exposed during construction provided that these cavities are filled with insulation. 2x4 framed walls shall be insulated to a minimum of R-15 and 2x6 framed walls shall be insulated to a minimum of R-21.
3. Construction where the existing roof, wall or floor cavity is not exposed.
4. Roof recover.
5. Roofs without insulation in the cavity and where the sheathing or insulation is exposed during reroofing shall be insulated either above or below the sheathing.
6. Surface-applied window film installed on existing single pane fenestration assemblies to reduce solar heat gain provided the code does not require the glazing fenestration to be replaced.

**R503.1.1.1 Replacement fenestration.** Where some or all of an existing fenestration unit is replaced with a new fenestration product, including sash and glazing, the replacement fenestration unit shall meet the applicable requirements for *U*-factor and SHGC in Table R402.1.1.

**R502.1.1.2 Heating and cooling systems.** New heating, cooling and duct systems that are part of the addition shall comply with Sections R403.1, R403.2, R403.3, R403.5 and R403.6.

**Exception:** The following need not comply with the testing requirements of Section R403.3.3:

1. Additions of less than 750 square feet.
2. Duct systems that are documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in WSU RS-33.
3. Ducts with less than 40 linear feet in unconditioned spaces.
4. Existing duct systems constructed, insulated or sealed with asbestos.

**R503.1.3 Service hot water systems.** New service hot water systems that are part of the alteration shall comply with Section R403.4.

**R503.1.4 Lighting.** New lighting systems that are part of the alteration shall comply with Section R404.1.

**Exception:** Alterations that replace less than 50 percent of the luminaires in a space, provided that such alterations do not increase the installed interior lighting power.

**R503.2 Change in space conditioning.** Any nonconditioned or low-energy space that is altered to become *conditioned space* shall be required to be brought into full compliance with this code.