CITY OF MERCER ISLAND

Fire Marshal's Office 3030 78th Ave SE | MERCER ISLAND, WA 98040 PHONE: 206.275.7966 | www.mercerisland.gov | V.2021-1



RESIDENTIAL FIRE AREA SQUARE FOOTAGE CALCULATION

Project Type: ☐ 1	New Single Family Alterati	on □ Addition A	DU/DADU
Project Address:			
Contact Name:		Phone No.	
Owner Name:			
ootage calculation.	tts including covered decks. If it <i>This is not the same calculatio</i> types, add all the interior wall n	n for floor area ratio.	•
CONSTUCTION V	ALUATION TYPE (verified v	with permit application)	
CONSTUCTION V Good \$185.94 sq/ft	VALUATION TYPE (verified v Very Good \$237.59 sq/ft	with permit application) Very Good Custom \$289.24 sq/ft	Luxury Custom \$392.54 sq/ft
Good	Very Good	Very Good Custom \$289.24 sq/ft	5

Other Floors interior
Basement interior

Other interior **TOTALS**

Attached Garage interior Covered Decks interior

Updated 07/2022

ADDITION or ALTERATION

Measurements	Existing Square Footage	Standardized Value	Final Square Footage
Main Floor interior		X sq/ft	
Lower Floor Interior		x sq/ft	
Other Floors interior		x sq/ft	
Basement interior		X sq/ft	
Attached Garage interior		X sq/ft	
Covered Decks interior		X sq/ft	
Other interior		x sq/ft	
TOTALS			
Construction Cost \$	Officia		
Construction Cost \$ Verified Cost \$	Officia	1 Use	
	Officia	l Use	_= %
Verified Cost \$	Officia	l Use	= %
Verified Cost \$ Higher of Verified or Cost \$_ Valuation Ratio	Officia	l Use	
Verified Cost \$ Higher of Verified or Cost \$_ Valuation Ratio	Officia -/ etached garage or similar	1 Use / Value	
Verified Cost \$ Higher of Verified or Cost \$_ Valuation Ratio Exempt structure - de Less than 10% (fire re	Official etached garage or similar view not required)	1 Use / Value	f.

2018 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.

2018 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 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.