

CITY OF MERCER ISLAND

Fire Marshal's Office

3030 78th Ave SE | MERCER ISLAND, WA 98040

PHONE: 206.275.7966 | www.mercerisland.gov



COMMERCIAL FIRE AREA SQUARE FOOTAGE CALCULATION

Project Type: <input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration	
Project Address:	
Contact Name:	Phone No.
Owner Name:	

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.

Floor	Construction Type (A) See Below	Square Footage	Use (B) See Below	Value (Official Use)
Sub 3				
Sub 2				
Sub 1				
1				
2				
3				
4				
5				
6				
Roof Use				
TOTAL				

A. Construction Type: IA, IB, IIA, IIB, IIIA, IIIB, IV, VA, VB. Based on the International Building Code

B. Intended Use: Based on Value Policy:

- i. Apartment Houses, Auditoriums, Banks, Bowling Alleys, Churches, Convalescent Hospitals, Decks and Porches, Dwellings, Fire Stations, Homes for the Elderly, Hospitals, Hotels and Motels, Industrial Plants, Jails, Libraries, Medical Offices, Offices, Private Garages, Public Buildings, Public Garages, Restaurants, Schools, Service Stations, Stores, Theaters, Warehouses.

OFFICIAL USE ONLY		
	Total Square Footage of	Total Fire Flow of (IFC Table B105.1(2))
Type I		
Type II		
Type III		
Type IV		
Type V		

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.