



Fire Protection Worksheet for Residential (R-3) and for U-1 Garages & Agricultural Buildings

Application Number: _____ Date: _____ Reviewed By: _____

Address: _____ Parcel #: _____

Emergency Vehicle Access

Approved as shown _____

Revise drawing as noted:

Exempt From Fire Flow (check reason below)

Garage: less than 2500 sf, house met credits, location is 10 ft from other bldgs, and 20 ft from side and rear property lines.

Ag bldg: 30 ft from other bldgs, 30 ft from side and rear property lines, and has a 20 ft wide access lane to within 50 ft of the bldg.

Building met credits and this addition does not require a change in credits. _____
Application #

Substantial Alteration Calculations for BPRS (Structures constructed prior to November 14, 1992)

1. Year Built: _____ Permit #: _____ Existing building area.: _____
2. Area of addition: _____
3. Line 2 divided by line 1 x 100 = percent of alteration. _____
4. Check alerts for cumulative total of any additions; since 11/15/92. _____
5. Add line 3 to line 4. If the total is equal to or greater than 40%, fire flow is required. _____

Accumulated alteration is less than 40%.

Fire Flow Requirement

Square footage including covered porches, second story decks, and attached garage _____

Building < 3,600 sq.ft. 750 gpm for 45 min.

Building ≥ 3,600 sq.ft. 1,000 gpm for 60 min.

Record of Existing Fire Flow

GPM _____ Duration _____ minutes.

Distance from center of lot frontage _____ feet.

Fire Flow Credit Checklist

Table 17C.60-5 Fire Protection Credits

OPTIONS TO REDUCE FIRE FLOW <small>(CREDITS USED FOR SUBSTANTIAL ALTERATION SHALL BE APPLIED TO THE ENTIRE STRUCTURE)</small>	REDUCTION	ITEMS SELECTED
Existing Hydrant (min 500 gpm = 66% of 750 gpm or 50% of 1,000 gpm)	___ % of required gpm	
Off Site Water (Applies to all fire districts <i>except</i> : Browns Pt. – 13, Sumner – 1, and Crystal Mtn. – 25) Building less than 3,600 sq.ft. Building 3,600 to 4,800 sq.ft. Building over 4,800 sq.ft.	35% 25% 0%	
Building less than 2,000 sq.ft.	35%	
30' Setback from Side and Rear Property Lines	25%	
Class A or B Roof	15%	
60% Brick or Stone Exterior <i>or</i> 100% Approved Fiber Cement Siding or Stucco – (see list)	15%	
Modified 1-Hour Construction Consists of a minimum of ½" type X drywall throughout the interior.	15%	
NFPA 13 D Sprinkler System (requires a separate permit)	70%	
NFPA 13 D Extended Coverage Sprinkler System (requires a separate permit) 13D sprinkler system with sprinkler coverage extended into the garage, attic, small bathrooms and closets, and covered porch overhangs.	80%	
Monitored Fire Alarm System (requires a separate permit) New Construction Note: The permit fee for a monitored alarm is non-refundable	25%	
The following two items are not available for new construction. Alterations only.		
Monitored Fire Alarm System (requires a separate permit) Substantial Alteration Only Note: The permit fee for a monitored alarm is non-refundable	35%	
Alternate Method (requires a separate form be completed) Substantial Alteration Only		
Total of credit(s) + fire flow must be at least 100%		

I understand that the fire flow credits selected above are required fire protection features that shall be incorporated into the construction of this building and shall remain in place until such time as adequate fire flow is provided for this structure:

(clearly print name)

(applicant or homeowner signature)

Pierce County Development Center, 2401 South 35th Street, Tacoma, WA 98409

Hours: Monday-Friday, 8:00 AM to 4:30 PM except Wednesday is 9:00 AM to 4:30 PM. (253) 798-7200
k:forms/handouts for counter/residential fire flow 2009

1/1/09