



**CITY OF TUMWATER**  
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**COMMERCIAL FIRE  
 SPRINKLER PERMIT  
 Submittal Checklist**

TUM -	DATE STAMP
RCVD BY	

**APPLICANT INFORMATION** *(please print neatly)*

NAME OF APPLICANT: \_\_\_\_\_ EMAIL: \_\_\_\_\_

**SUBJECT PROPERTY INFORMATION**

ADDRESS OF PROPERTY (COMPLETE): \_\_\_\_\_

In order to install a fire sprinkler system, you must submit a completed permit application and all items on this checklist unless modified or waived by Staff.

<b>A. PERMIT APPLICATION</b>	Provided	<b>Staff</b>
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1. Provide a complete and signed (by owner or authorized representative) application and applicable fee. Note: Payment of the plan check fee is required at the time of application.

<b>B. PLANS</b>	Provided	<b>Staff</b>
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1. Provide two copies of all plans and two copies of all specifications. Draw plans to scale of 1/4" = 1' or larger. Minimum plan sheet size is 18"x24". All notations and drawings must be clear and legible.

<b>C. SITE PLAN</b>	N/A	Provided		<b>Staff</b>
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1. Provide a complete site plan showing:
  - a. Building footprint and location on property.
  - b. Water main.
  - c. Hydrant locations.
  - d. Post indicator valve.
  - e. Fire department connection.
  - f. Fire sprinkler water supply.
  - g. Elevation at base of riser.
  - h. Elevation of in-ground water main.

<b>D. FIRE SPRINKLER PLAN</b>	N/A	Provided		<b>Staff</b>
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1. Plans and calculations must be signed and stamped by a Washington State certified fire-sprinkler designer.
2. Show:
  - a. Floor plan of each level.
  - b. Use of each room.
  - c. Location of the riser room.
  - d. Location of double check valve.

## Commercial Fire Sprinkler Permit Submittal Checklist

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### D. FIRE SPRINKLER PLAN (CONTINUED)

N/A Provided

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- e. Building cross-section detail with dimensions, showing ceiling and roof construction.

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  - f. Riser detail showing the location of the valve supervision and flow alarm equipment.

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  - g. Isometric drawing of the pipes and heads with all of the nodes labeled.

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  - h. Pipe K-Factors.

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  - i. Pipe sizes.

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  - j. Pipe lengths.

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  - k. Type of pipe used.

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  - l. Drawings and calculations for the seismic bracing of the sprinkler pipes.

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  - m. Pipe hanger construction details.

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  - n. Manufacturer, model numbers and specifications for all equipment.

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  - o. Occupancy-hazard classification; i.e. light hazard, ordinary hazard, ordinary hazard – group 2, extra hazard, extra hazard – group 2.

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  - p. System type; i.e. wet, dry, or combination.

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  - q. Fire flow information; i.e. static, residual, pitot, flow at 20 psi.

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3. Provide hydraulic calculations including supply curve.

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4. Provide fire flow documents.

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### E. ELECTRONIC SUBMITTAL

N/A Provided

Staff

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- 1. Compact disc (CD) or USB drive containing all of the plans, reports, etc. as outlined under B through D above, in PDF-file format. Maximum format shall be 300 dpi. Note: Please do not include the application or submittal checklist in electronic format.
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I verify that all required documents associated with this application have been submitted.

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Signature of Applicant

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Date