



**CITY OF TUMWATER**  
 555 ISRAEL RD. SW, TUMWATER, WA 98501  
 (360) 754-4180  
 Email: cdd@ci.tumwater.wa.us  
**COMMERCIAL FIRE  
 SPRINKLER PERMIT**  
**Submittal Checklist**

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**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>	<b>Provided</b>	<b>Staff</b>
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.	<input type="checkbox"/>	<input type="checkbox"/>

<b>B. PLANS</b>	<b>Provided</b>	<b>Staff</b>
1. 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.	<input type="checkbox"/>	<input type="checkbox"/>

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

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

## Commercial Fire Sprinkler Permit Submittal Checklist

D. FIRE SPRINKLER PLAN (CONTINUED)	N/A	Provided	Staff
e. Building cross-section detail with dimensions, showing ceiling and roof construction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Riser detail showing the location of the valve supervision and flow alarm equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Isometric drawing of the pipes and heads with all of the nodes labeled.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Pipe K-Factors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Pipe sizes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Pipe lengths.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Type of pipe used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Drawings and calculations for the seismic bracing of the sprinkler pipes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Pipe hanger construction details.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Manufacturer, model numbers and specifications for all equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Occupancy-hazard classification; i.e. light hazard, ordinary hazard, ordinary hazard – group 2, extra hazard, extra hazard – group 2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. System type; i.e. wet, dry, or combination.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. Fire flow information; i.e. static, residual, pitot, flow at 20 psi.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Provide hydraulic calculations including supply curve.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Provide fire flow documents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. ELECTRONIC SUBMITTAL	N/A	Provided	Staff
1. Submitting online: <a href="#">Upload</a> documents, naming them with the project address and document name (project address – application, checklist, plans, etc).	<input type="checkbox"/>	<input type="checkbox"/>	
Submitting in person: USB drive containing apps, checklist, plans, reports, etc. as outlined under B and C above, in PDF-file format. Maximum format shall be 300 dpi.	<input type="checkbox"/>	<input type="checkbox"/>	

I verify that all required documents associated with this application have been submitted.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date