

## FIRE STANDPIPE SYSTEM SUBMITTAL CHECKLIST

A review of the subject system has been completed, and the following items were found to be missing or incorrect. Please resubmit revised drawings for review and approval, prior to any installation. Failure to obtain approval prior to installation constitutes a violation of the International Fire Code and may result in a citation requiring a court appearance.

NOT SHOWN	NOT CORRECT	ITEM	REFERENCE (2003 ED.)
<b><u>I. ADMINISTRATIVE</u></b>			
<input type="checkbox"/>	<input type="checkbox"/>	a) Scaled drawings with complete title information (incl. building location, owner, installing contractor, etc.)	NFPA 14, 8.1.3
<b><u>II. WATER SUPPLY</u></b>			
<input type="checkbox"/>	<input type="checkbox"/>	a) Minimum water supply	NFPA 14, 9.2
<input type="checkbox"/>	<input type="checkbox"/>	b) Detail of connection to water supply.	NFPA 14, 8.1.3
<input type="checkbox"/>	<input type="checkbox"/>	c) Detail of transition from underground to overhead system	NFPA 14, 15.1.6.1
<input type="checkbox"/>	<input type="checkbox"/>	d) Hydrant test information.	
<input type="checkbox"/>	<input type="checkbox"/>	1) Location and elevation of static and residual pressures.	NFPA 14, 14.2.1 (1)
<input type="checkbox"/>	<input type="checkbox"/>	2) Flow location.	NFPA 14, 14.2.1 (2)
<input type="checkbox"/>	<input type="checkbox"/>	3) Static pressure (incl. low static of record).	NFPA 14, 14.2.1 (3)
<input type="checkbox"/>	<input type="checkbox"/>	4) Residual pressure.	NFPA 14, 14.2.1 (4)
<input type="checkbox"/>	<input type="checkbox"/>	5) Computed flow in GPM	NFPA 14, 14.2.1 (5)
<input type="checkbox"/>	<input type="checkbox"/>	6) Date of test.	NFPA 14, 14.2.1 (6)
<input type="checkbox"/>	<input type="checkbox"/>	7) Time of test.	NFPA 14, 14.2.1 (7)
<input type="checkbox"/>	<input type="checkbox"/>	8) Test conducted by, or information supplied by.	NFPA 14, 14.2.1 (8)
<input type="checkbox"/>	<input type="checkbox"/>	9) Circulating or dead end main.	NFPA 14, 14.1.3 (10)
<input type="checkbox"/>	<input type="checkbox"/>	10) Pipe diameter and type of material.	NFPA 14, 14.1.3 (28)
<input type="checkbox"/>	<input type="checkbox"/>	e) System use limited to 90% of available water supply in calculated systems	<i>(If established by policy).</i>
<b><u>III. DESIGN CRITERIA</u></b>			
<input type="checkbox"/>	<input type="checkbox"/>	a) Type of standpipe (i.e. wet, dry, etc.)	NFPA 14, 11.2.1
<input type="checkbox"/>	<input type="checkbox"/>	b) Class of standpipe system.	NFPA 14, 11.2.3.2
<input type="checkbox"/>	<input type="checkbox"/>	c) Locations of hose connection.	NFPA 14, 8.5.2
<b><u>IV. UNDERGROUND (NFPA 24, 2002)</u></b>			
<input type="checkbox"/>	<input type="checkbox"/>	a) Valves (incl. mfg., model number, listing as necessary).	NFPA 24,
<input type="checkbox"/>	<input type="checkbox"/>	1) Provisions to prevent tampering.	NFPA 24,
<input type="checkbox"/>	<input type="checkbox"/>	b) Hydrants (Incl. make, model, listing, number & size of outlets)	NFPA 24,
<input type="checkbox"/>	<input type="checkbox"/>	c) Piping material (incl. size, type & manufacturer)	NFPA 24,
<input type="checkbox"/>	<input type="checkbox"/>	d) Fittings (incl. make, model, corrosion protection if required).	NFPA 24,
<input type="checkbox"/>	<input type="checkbox"/>	e) Installation:	
<input type="checkbox"/>	<input type="checkbox"/>	1) Joining methods.	NFPA 24,
<input type="checkbox"/>	<input type="checkbox"/>	2) Thrust blocking or ridding details.	NFPA 24,
<input type="checkbox"/>	<input type="checkbox"/>	3) Depth of cover.	NFPA 24,
<b><u>V. SYSTEM COMPONENTS</u></b>			
<input type="checkbox"/>	<input type="checkbox"/>	a) Piping	
<input type="checkbox"/>	<input type="checkbox"/>	1) Materials (Incl. make, type, & listings if required)	NFPA 14, 6.3
<input type="checkbox"/>	<input type="checkbox"/>	2) Sizes (incl. wall thickness or, nominal interior diameter).	NFPA 14, 6.3
<input type="checkbox"/>	<input type="checkbox"/>	b) Fittings.	
<input type="checkbox"/>	<input type="checkbox"/>	1) Materials (Incl. make, type, & listings if required)	NFPA 14, 6.4
<input type="checkbox"/>	<input type="checkbox"/>	2) Details of joining methods (specify if threaded, grooved, welded, etc.)	NFPA 14, 6.5
<input type="checkbox"/>	<input type="checkbox"/>	c) Hangers	
<input type="checkbox"/>	<input type="checkbox"/>	1) Materials and configuration (Incl. mfg. and listing)	NFPA 14, 9.1
<input type="checkbox"/>	<input type="checkbox"/>	2) Locations (Incl. special conditions for high pressures, wrap around, etc.)	NFPA 14, 9.2
<input type="checkbox"/>	<input type="checkbox"/>	3) Fastener details (incl. mfg., type, size, etc.)	NFPA 14, 9.3.5.9
<input type="checkbox"/>	<input type="checkbox"/>	d) Earthquake bracing	
<input type="checkbox"/>	<input type="checkbox"/>	1) Materials (Incl. mfg., model numbers, sizes, engineering)	NFPA 14, 9.3.5.2
<input type="checkbox"/>	<input type="checkbox"/>	2) Locations (incl. lateral, longitudinal, swing joint locations, flexible)	NFPA 14, 9.3.5
<input type="checkbox"/>	<input type="checkbox"/>	e) Hose stations	

- |                          |                          |   |                         |
|--------------------------|--------------------------|---|-------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | 1) Locations (Incl. size, specific location of valve, specific location above finished floor, rated enclosure).                                       | NFPA 14, 8.15.2.4 & 2.6 |
|                          |                          | f) Hose connections   |                         |
| <input type="checkbox"/> | <input type="checkbox"/> | 1) Locations (incl. size, specific location of valve, length of hose, type of hose & nozzle, specific location above finished floor, rated enclosure) | NFPA 14, 6.7            |
| <input type="checkbox"/> | <input type="checkbox"/> | 2) Pressure relief valve(s), on gridded system.   | NFPA 14, 7.1.2          |
|                          |                          | g) Fire Department Connection   |                         |
| <input type="checkbox"/> | <input type="checkbox"/> | 1) Location (Incl. size, specific location of connection, specific height above grade)  | NFPA 14, 6.2            |

**VI. Installations**

- |                          |                          |                                       |                      |
|--------------------------|--------------------------|---------------------------------------|----------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | a) Location of piping.                | NFPA 14, 14.1.3 (4)  |
| <input type="checkbox"/> | <input type="checkbox"/> | b) Protection of piping.              | NFPA 14, 14.1.3 (7)  |
| <input type="checkbox"/> | <input type="checkbox"/> | c) Valve locations.                   | NFPA 14, 14.1.3 (14) |
| <input type="checkbox"/> | <input type="checkbox"/> | d) Required signs and identification. | NFPA 14, 14.1.3 (14) |

**VII. Plans & Calculations**

- |                          |                          |   |                   |
|--------------------------|--------------------------|---|-------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | a) Summary sheet  | NFPA 14, 14.3.2   |
| <input type="checkbox"/> | <input type="checkbox"/> | b) Detailed work sheets                                 | NFPA 14, 14.3.3   |
| <input type="checkbox"/> | <input type="checkbox"/> | c) Graph sheet on appropriate semi-long paper.          | NFPA 14, 14.3.4   |
| <input type="checkbox"/> | <input type="checkbox"/> | d) Symbols.   | NFPA 14, 1.7.2    |
| <input type="checkbox"/> | <input type="checkbox"/> | e) Hydraulic reference points.                          | NFPA 14, 14.4.4.2 |
| <input type="checkbox"/> | <input type="checkbox"/> | f) Clear and legible floorplans, riser plan (as needed) | NFPA 14, 14.4.4.4 |

**VIII. ADDITION REMODEL**

- |                          |                          |   |                      |
|--------------------------|--------------------------|---|----------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | a) Details of existing system(s)                                  | NFPA 14, 14.1.3 (30) |
| <input type="checkbox"/> | <input type="checkbox"/> | b) Details of existing room, use, occupancy, and changes to such. |                      |
| <input type="checkbox"/> | <input type="checkbox"/> | c) Calculations for additions to systems (as needed).             |                      |