

901.4.6.1, 901.4.6.2, 901.4.6.3, 901.4.6.4

Fire Pump and Fire Sprinkler Riser Rooms



International Code Council®

Fire sprinkler riser room is identified and a lock box is provided to allow fire department access.

CHANGE TYPE: Addition

CHANGE SUMMARY: Additional requirements have been added for automatic sprinkler system riser rooms and fire pump rooms.

2018 CODE: **901.4.6.1 Access.** Automatic sprinkler system risers, fire pumps and controllers shall be provided with ready access. Where located in a fire pump room or automatic sprinkler system riser room, the door shall be permitted to be locked provided the key is available at all times.

901.4.6.2 Marking on access doors. Access doors for automatic sprinkler system riser rooms and fire pump rooms shall be labeled with an approved sign. The lettering shall be in a contrasting color to the background. Letters shall have a minimum height of 2 inches (51 mm) with a minimum stroke of $\frac{3}{8}$ inch (10 mm).

901.4.6.3 Environment. Automatic sprinkler system riser rooms and fire pump rooms shall be maintained at a temperature of not less than 40°F (4°C). Heating units shall be permanently installed.

901.4.6.4 Lighting. Permanently installed artificial illumination shall be provided in the automatic sprinkler system riser rooms and fire pump rooms.

CHANGE SIGNIFICANCE: This code change adds additional criteria to fire pump rooms and fire sprinkler riser rooms. The code does not require such rooms to be provided, but where they are provided, the rooms must meet the requirements in Section 901.4.6 of the IFC and Section 902.1 of the *International Building Code*.

Fire pump and fire sprinkler riser rooms must be readily accessible at all times, but can be locked if a key is available. This could be accomplished using a key box as provided in Section 506.1.

The temperature in the room must be maintained at 40° Fahrenheit or higher to ensure the piping and components do not freeze. This same temperature threshold is required in NFPA 20, “Standard for the Installation of Stationary Pumps for Fire Protection.” NFPA 13, “Standard for the Installation of Sprinkler Systems” also specifies the same temperature threshold when determining the need for a dry-pipe sprinkler system.

Permanent lighting is required in fire pump rooms and fire sprinkler riser rooms.



This excerpt is taken from *Significant Changes to the International Fire Code®*, 2018 Edition. Significant Changes publications take you directly to the most important changes that impact projects. Key changes are identified then followed by in-depth discussion of how the change affects real-world application. Photos, tables and illustrations are included to further clarify application. Available for the IBC, IRC, IFC and IPC/IMC/IFGC, the Significant Changes publications are very useful training and review tools for transitioning to a new code edition.