Engineering Specification

Model F1Res Series LL Horizontal Sidewall Glass Bulb

Residential Sprinklers

**Recommended CSI MasterFormat Specification Location: 21 13 13, Wet-pipe Sprinkler Systems (formerly 13930)**

Sprinklers shall be residential type cULus Listed for installation in accordance with NFPA 13, NFPA 13R, and NFPA 13D. Residential sprinklers shall be installed in conformance with the manufacturer’s installation guidelines and the applicable installation standard. Sprinkler body shall be of bronze alloy construction having **[**½” NPT**] [**ISO7-1R1/2**]** threads. Sealing assembly shall be nickel alloy with PTFE. Thermal element shall consist of a 3mm glass bulb. Sprinkler shall be certified by Underwriters Laboratories, Inc. and Underwriters Laboratories of Canada for health effects to NSF/ ANSI Standard 61 Annex G with less than 0.25% lead content.

**F1Res44 and F1Res58**

Sprinkler shall be UL listed for coverage areas up to 16’x20’ utilizing a K-factor of **[**4.4 gpm/psi1/2 (63 l/min/bar1/2)**] [**5.8 gpm/psi1/2 (84 l/min/bar1/2)**]**. Sprinkler temperature classification shall be **[**Ordinary 155°F (68°C)**] [**Intermediate 175°F (79°C)**]**. Finish to be **[**brass**] [**white**] [**chrome**] [**special – specify**]**. Sprinkler deflector to be located between 4” and 12” below the ceiling.

**For recessed sprinklers, add**:

Recessed Horizontal sidewall sprinklers shall be installed with listed 2-piece escutcheons offering a minimum of ½” (12.7mm) adjustment. Escutcheon color to be **[**brass**] [**white**] [**chrome**] [**special – specify**]** consistent with sprinkler finish.

**For concealed sprinklers, add**:

Conical concealed sidewall sprinklers to utilize a listed and approved cover plate attached to a factory installed cup. Cover plate shall be **[**solid**] [**slotted**]** and must offer a minimum of ½” (12.7mm) of adjustment. Cover plate finish to be **[**chrome**] [**white**] [**special finish – specify**]**.

Residential Horizontal Sidewall sprinklers shall be Reliable Model **[**F1Res44 LL, SIN RA3331**] [**F1Res58 LL, SIN RA3333**]**.