Engineering Specification

Model MBEC-14 Extended Coverage

**Recommended CSI MasterFormat Specification Location: 21 13 00, Fire Suppression Sprinkler Systems (formerly 13900)**

Sprinklers shall be a specific application extended coverage sprinkler, Model MBEC-14, that is **[**cULus Listed**] [**FM Approved**]** specifically for the protection of metal buildings with purlin roof support. Sprinkler frame and deflector shall be of bronze frame construction having a 3/4” NPT thread. Water seal assembly shall consist of an approved beryllium-nickel fusible solder link assembly, utilizing a strut and lever principal of operation, with PTFE-coated nickel sealing washer and bronze alloy cap containing no plastic parts. Sprinkler temperature rating shall be **[**165°F (74°C)**] [**212°F (100°C)**]**. Sprinklers shall have a nominal K-factor of 14.0 gpm/psi1/2 (200 l/min/bar1/2) – very extro large orifice. Sprinklers shall have a rated working pressure of 175 psi (12 bar). Finish shall be **[**Bronze**] [**Chrome**]**.

Sprinklers shall be Reliable Model MBEC-14, SIN R6932. Refer to Reliable Technical Bulletin 169 for associated sprinkler information.