



## SUGGESTED SPECIFICATIONS

### "DYNAMIC" SYSTEM CURTAIN TYPE FIRE DAMPER

Furnish and install at all locations indicated on plans "Dynamic" rated curtain fire dampers. The fire dampers shall be constructed of 22 gauge roll formed galvanized G90U steel, blade and frame. The damper shall be operated by 2 stainless steel constant force springs. Each damper shall be constructed, tested and labeled in compliance with U.L. Standard 555, current edition. Each shall have been tested per AMCA 500-90, in which it shall have proven to close under specified static pressure and dynamic air flow conditions. Each damper shall bear an U.L. approved label identifying its classification as a **Dynamic Rated Fire Damper** (Static rated dampers are not acceptable). Each fire damper shall have an 1-1/2 or 3 (as required) hourly fire protection rating. The fusible link shall be 165°F (212°F if required). The damper shall be labeled, as such, to refer to Leader's Installation Instructions. The fire damper shall be installed in walls/floors utilizing steel sleeves, retaining angles, and access doors as required by Leader's Installation Instructions, NFPA 90A, and local codes. The damper submittal literature shall include performance data, which exceed the maximum static pressure and volumetric air flow of the system, for the maximum size damper. Fire dampers shall be Leader or pre-approved equal.

#### Specify style of damper desired as follows:

- Type A, Blades and frame in air stream.
- Type B, Blades only out of air stream.
- Type CR, Round high pressure - 100% free area - sealed
- Type CO, Oval high pressure - 100% free area - sealed
- Type C, Square/rectangular high pressure - 100% free area - sealed
- Type R, Round low pressure - less than 100% free area - unsealed
- Type DR, Round low pressure - 100% free area - unsealed
- Type DO, Oval low pressure - 100% free area - unsealed
- Type D, Square/rectangular low pressure - 100% free area - unsealed
- Type OW, Type "A" damper approved for out of wall installations.

#### LEADER'S MODELS

- Model **D1-115** - Thinline (2"): 1-1/2 hour rated, vertical mounted
- D1-120** - Thinline (2-3/4"): 1-1/2 hour rated, vertical mounted.
- D1-205** - Standard 1-1/2 hour rated, horizontal/vertical mounted.
- D1-207** - Stainless steel, 1-1/2 hour rated, horizontal/vertical mounted.
- D1-215** - Standard 1-1/2 hour rated, vertical mounted.
- D1-255** - Standard 3 hour rated, vertical mounted.
- D1-277** - Stainless steel, 1-1/2 hour rated, vertical mounted.
- D1-315** - Wide blade (6"): 1-1/2 hour rated, vertical mounted.

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