



ITEM:

1. UL CLASSIFIED FIRE DAMPER - DYNAMIC OR STATIC
 - 1.1. 1-1/2 HR. LABEL - FOR FIRE SEPARATIONS LESS THAN 3 HOURS.
 - 1.2. 3 HR. LABEL - FOR FIRE SEPARATIONS GREATER THAN 3 HOURS (MODELS FDF-310, DFD-350, AND SSDFD-350)
2. FIRE SEPARATION
3. MOUNTING FLANGE (VERTICAL INSTALLATION ONLY, RETAINING ANGLES REQUIRED FOR HORIZONTAL INSTALLATION)
4. BREAKAWAY JOINT
5. SLEEVE "A TYPE TRANSITION" (DUCT GAUGE MIN. SMACNA/NFPA 90A SEPC.)
6. EXPANSION CLEARANCE
7. UL LISTED HEAT RESPONSIVE DEVICE (UL LISTED FUSIBLE LINK)
8. DUCTWORK
9. GRILLE (BY OTHERS)

NOTE:

1. DAMPERS SHALL BE CONSTRUCTED, TESTED, LABELED AND INSTALLED IN ACCORDANCE WITH UL 555, NFPA 80, NFPA 90A, NFPA 101 AND DAMPER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. RATED BARRIER SHALL MEET THE REQUIREMENTS OF INTERNATIONAL BUILDING CODE (IBC) AND COMPLY WITH LOCAL CODE REQUIREMENTS.
 - 2.1. DAMPERS SHALL BE RATED FOR VERTICAL OR HORIZONTAL MOUNTING AS REQUIRED AND SHOWN ON PROJECT PLANS.
3. DAMPER OPENING (EXPANSION GAPS) SHALL BE PER DAMPER MANUFACTURER'S UL APPROVED INSTALLATION INSTRUCTIONS.
4. MAXIMUM DAMPER OPENING MAY NOT EXCEED THE DAMPER MANUFACTURER'S MAXIMUM UL LISTED SIZE.
5. SLEEVE GAUGE, TERMINATIONS AND RETAINING ANGLES SHALL BE AS REQUIRED AND COMPLY WITH UL AND SMACNA REQUIREMENTS.
6. CLOSURE DEVICE SHALL BE A UL LISTED FUSIBLE LINK AND COMPLY WITH THE REQUIREMENTS OF NFPA 80 AND THE INTERNATIONAL BUILDING CODE (IBC).
7. PROVIDE A TYPE TRANSITIONS ON ALL IN BARRIER FIRE DAMPERS WHERE DUCT TERMINATES AS A GRILLE.
8. BASIS OF DESIGN SHALL BE GREENHECK DFD-150 1-1/2 HOUR, DYNAMIC RATED STEEL CURTAIN STYLE FIRE DAMPER. (ALTERNATE MODELS: DFD-110 1-1/2 HOUR RATED; SSDFD-150 1-1/2 HOUR RATED; DFD-310 3-HOUR RATED; DFD-350 3-HOUR RATED; SSDFD-350 3-HOUR RATED)

REVISION	SYM
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PART NO.	MAT'L	GAUGE	DESCRIPTION
			BERNETT DATE 10/29/2025 SCALE 1/8 100562679
DFD-150, VERTICAL, TYPE A, GRILLE, INSTALL			13