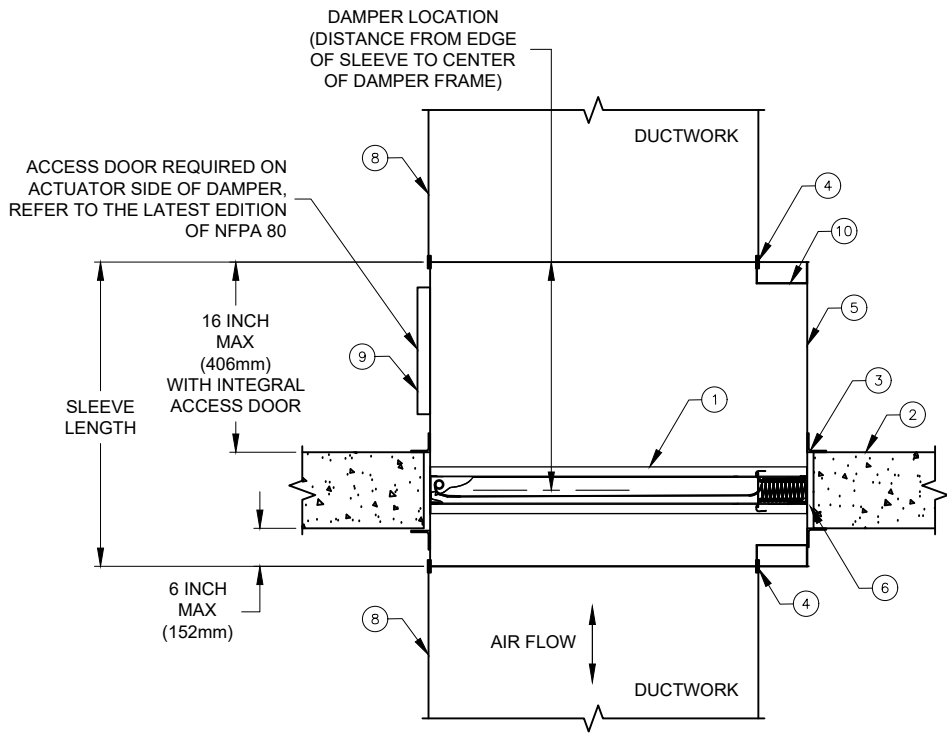


REVISION	SYM
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- ITEM:
- UL CLASSIFIED FIRE DAMPER - DYNAMIC OR STATIC
    - 1-1/2 HR. LABEL - FOR FIRE SEPARATIONS LESS THAN 3 HOURS.
    - 3 HR. LABEL - FOR FIRE SEPARATIONS GREATER THAN 3 HOURS (MODEL DFD-350)
  - FIRE SEPARATION
  - RETAINING ANGLES
  - BREAKAWAY JOINT
  - SLEEVE (DUCT GAUGE MIN. SMACNA/NFPA 90A SEPC.)
  - EXPANSION CLEARANCE
  - UL LISTED HEAT RESPONSIVE DEVICE (RRL, RRL/OCI, TOR)
  - DUCT
  - ACCESS DOOR (NFPA 80)
  - B TYPE TRANSITION

- NOTE:
- 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.
  - RATED BARRIER SHALL MEET THE REQUIREMENTS OF INTERNATIONAL BUILDING CODE (IBC) AND COMPLY WITH LOCAL CODE REQUIREMENTS.
    - DAMPERS SHALL BE RATED FOR VERTICAL OR HORIZONTAL MOUNTING AS REQUIRED AND SHOWN ON PROJECT PLANS.
  - DAMPER OPENING (EXPANSION GAPS) SHALL BE PER DAMPER MANUFACTURER'S UL APPROVED INSTALLATION INSTRUCTIONS.
  - MAXIMUM DAMPER OPENING MAY NOT EXCEED THE DAMPER MANUFACTURER'S MAXIMUM UL LISTED SIZE.
  - SLEEVE GAUGE, TERMINATIONS AND RETAINING ANGLES SHALL BE AS REQUIRED AND COMPLY WITH UL AND SMACNA REQUIREMENTS.
  - CLOSURE DEVICE SHALL BE A UL LISTED FUSIBLE LINK AND COMPLY WITH THE REQUIREMENTS OF NFPA 80 AND THE INTERNATIONAL BUILDING CODE (IBC).
  - ACCESS DOORS SHALL BE PROVIDED FOR INSPECTION, TESTING AND MAINTENANCE TO COMPLY WITH NFPA 80.
  - PROVIDE B TYPE TRANSITIONS ON ALL FIRE DAMPERS, EXCEPT WHERE DUCT TERMINATES AS A GRILLE. PROVIDE STANDARD A TYPE CURTAIN DAMPERS OR B TYPE OUT OF PARTITION DAMPERS WHERE DUCT TERMINATES AT A GRILLE.
  - 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; DFD-310 3-HOUR RATED; DFD-350 3-HOUR RATED)

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PAINT		PART NO.		MAT'L		GAUGE		DESCRIPTION			
<div> GREENHECK</div>								DRAWN BY		ECO	
								BERNETT		----	
								DATE		ENG. REF.	
								10/29/2025		----	
TITLE  DFD-150,IN FLOOR, TYPE B, INSTALL DETAIL								SUPERSEDES		----	
								SCALE		----	
								1/8		----	
								CAD DRAWING NO.		B	
								100562602			