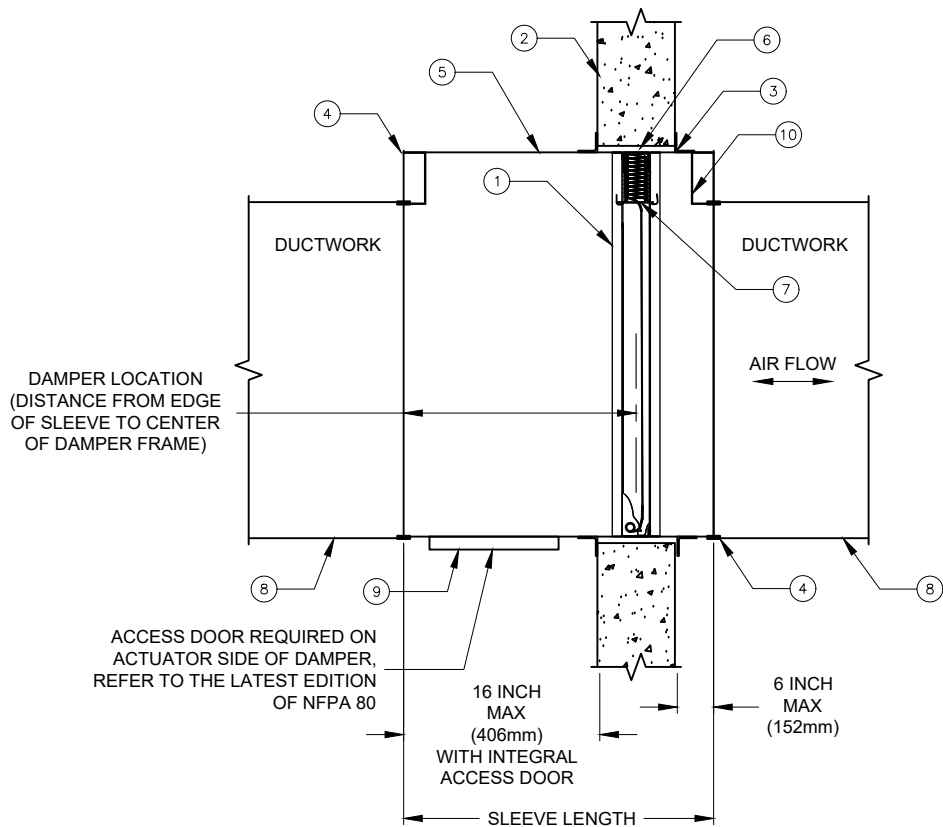



REVISION	SYM
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- ITEM:
- UL CLASSIFIED FIRE DAMPER - DYNAMIC OR STATIC
 - 1-1/2 HR. LABEL - FOR FIRE SEPARATIONS LESS THAN 3 HOURS.
 - 3 HR. LABEL - FOR FIRE SEPARATIONS 3 HOURS OR GREATER (MODELS DFD-310, DFD-350, SSDFD-350)
 - FIRE SEPARATION
 - RETAINING 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; SSDFD-150 1-1/2 HOUR RATED; DFD-310 3-HOUR RATED; DFD-350 3-HOUR RATED; SSDFD-350 3-HOUR RATED)

PAINT		PART NO.		MAT'L		GAUGE		DESCRIPTION					
		GREENHECK						DRAWN BY		ECO			
								DATE		ENG. REF.			
								10/29/2025					
								SUPERSEDES					
								SCALE					
TITLE		DFD-150,IN WALL, TYPE B, INSTALL DETAIL						1/8					
								CAD DRAWING NO.				B	
								100560572					