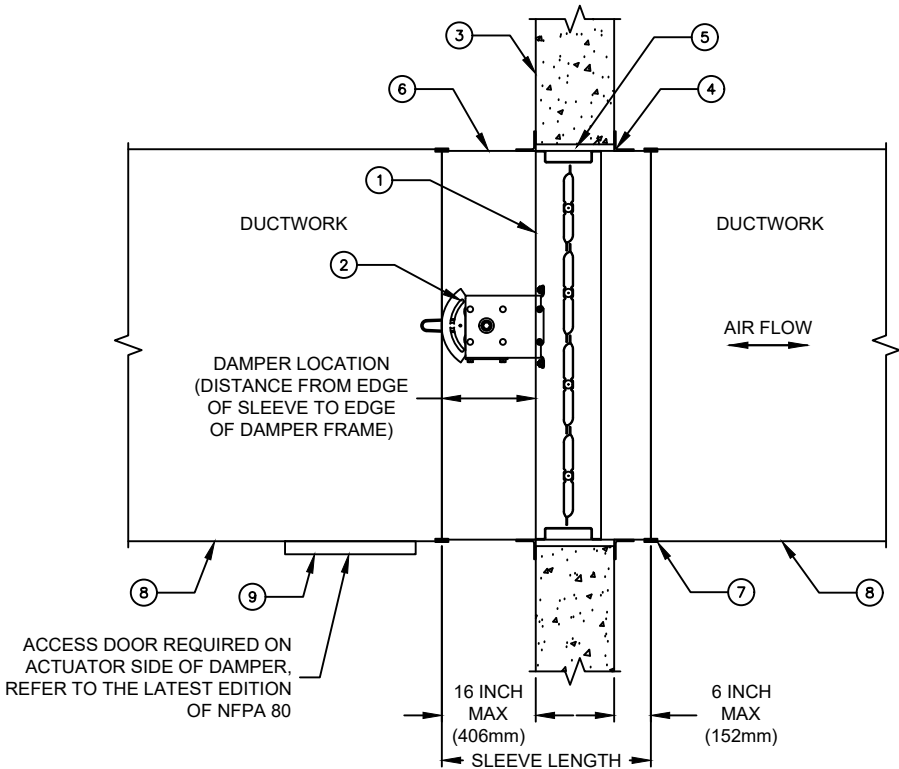


REVISION	SYM
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- ITEM:
- UL CLASSIFIED FIRE DAMPER - DYNAMIC OR STATIC
 - 1.1 1-1/2 HR. LABEL FOR FIRE SEPARATIONS LESS THAN 3 HOURS
 - 1.2 3 HR. LABEL - FOR FIRE SEPARATIONS RATED 3 HRS OR GREATER (MODEL DFDAF-330)
 - MANUAL HAND LOCKING QUADRANT OPERATOR
 - RATED BARRIER
 - RETAINING ANGLES
 - EXPANSION CLEARANCE
 - DAMPER SLEEVE
 - BREAKAWAY JOINT
 - STEEL DUCT
 - ACCESS DOOR (NFPA 80)

- NOTE:
- DAMPERS SHALL BE CONSTRUCTED, TESTED, LABELED AND INSTALLED IN ACCORDANCE WITH UL 555, NFPA 80, NFPA 90A, NFPA 101, AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - DAMPER RATING 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.
 - DFDAF-310 MAY BE MOUNTED EITHER HORIZONTALLY OR VERTICALLY. BLADE AXIS MUST REMAIN HORIZONTAL.
 - BASIS OF DESIGN SHALL BE GREENHECK DFDAF-310 1-1/2 HOUR RATED AIRFOIL BLADE COMBINATION FIRE SMOKE DAMPER. (Alternate models: DFDAF-330 3 hour rated)

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PAINT	PART NO.	MAT'L	GAUGE	DESCRIPTION	
				DRAWN BY	ECN
				BERNETT	----
				DATE	ENG. REF.
				10/29/2025	----
TITLE DFDAF-310 VERTICAL MOUNT, INSTALL DETAIL				SUPERSEDES	----
				SCALE	----
				1/8	----
CAD DRAWING NO.				101181790	
				B	