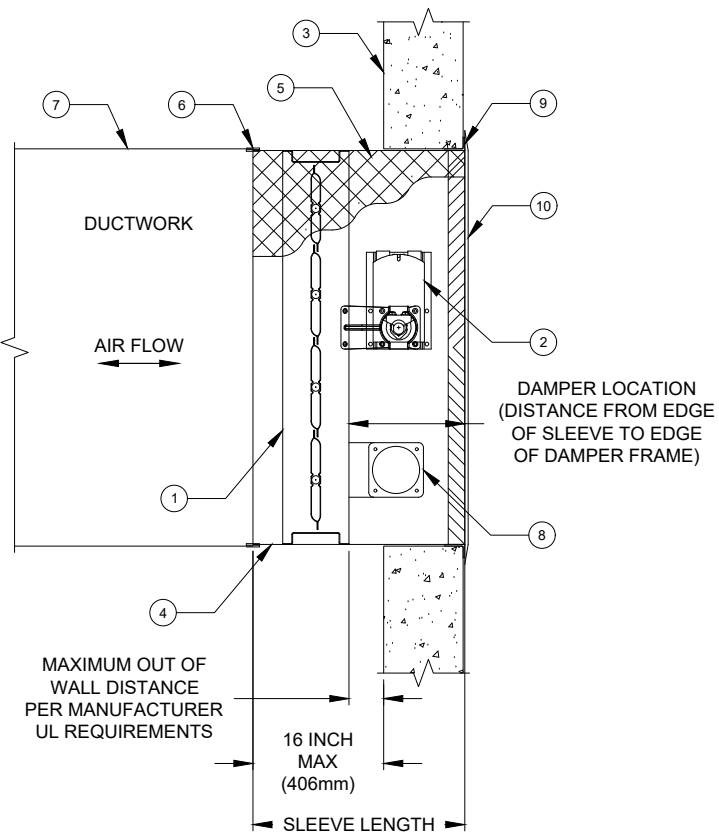


REVISION	SYM
COPYRIGHT NOTE	1




ITEM:

- 1. UL CLASSIFIED AS BOTH A FIRE DAMPER AND A LEAKAGE RATED SMOKE DAMPER
- 2. UL QUALIFIED DAMPER/ACTUATOR ASSEMBLY (ELECTRIC)
- 3. RATED BARRIER
- 4. DAMPER SLEEVE
- 5. THERMAL BLANKET
- 6. BREAKAWAY JOINT
- 7. STEEL DUCT
- 8. UL LISTED HEAT RESPONSIVE DEVICE (RRL, RRL/OCI, TOR)
- 9. MOUNTING FLANGE
- 10. GRILLE

NOTE:

- 1. DAMPERS SHALL BE CONSTRUCTED, TESTED, LABELED AND INSTALLED IN ACCORDANCE WITH UL555, UL555S, NFPA 80, NFPA 90A, NFPA 92, NFPA 101 AND NFPA 105.
- 2. DAMPER RATING 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.
 - 3.1. MAXIMUM DAMPER OPENING MAY NOT EXCEED THE DAMPER MANUFACTURER'S MAXIMUM UL LISTED SIZE.
- 4. SLEEVE GAUGE, TERMINATIONS AND RETAINING ANGLES SHALL BE AS REQUIRED AND COMPLY WITH UL AND SMACNA REQUIREMENTS.
- 5. HEAT RESPONSIVE DEVICE SHALL BE A SINGLE TEMPERATURE ELECTRIC HEAT SENSOR OR DUAL TEMPERATURE OVERRIDE SENSOR. CHECK PROJECT SPECIFIC REQUIREMENTS AND SPECIFICATIONS FOR TYPE AND TEMPERATURE RATINGS.
- 6. BASIS OF DESIGN SHALL BE GREENHECK OFSD-311 1-1/2 HOUR RATED STEEL AIRFOIL BLADE COMBINATION FIRE SMOKE DAMPER.
- 7. OFSD-311 MAY BE MOUNTED EITHER HORIZONTALLY OR VERTICALLY. BLADE AXIS MUST REMAIN HORIZONTAL.
- 8. DAMPER SLEEVE AND THERMAL BLANKET TO BE FACTORY FURNISHED, COMPLETE.

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PAINT	PART NO.	MAT'L	GAUGE	DESCRIPTION	
				DRAWN BY	ECG
				DATE	BERNETT
				05/23/2025	ENG. REF.
				SUPERSEDES	
				SCALE	
OFSD,VERTICAL MOUNT,INSTALL DETAIL				1/8	
				CAD DRAWING NO.	100558327