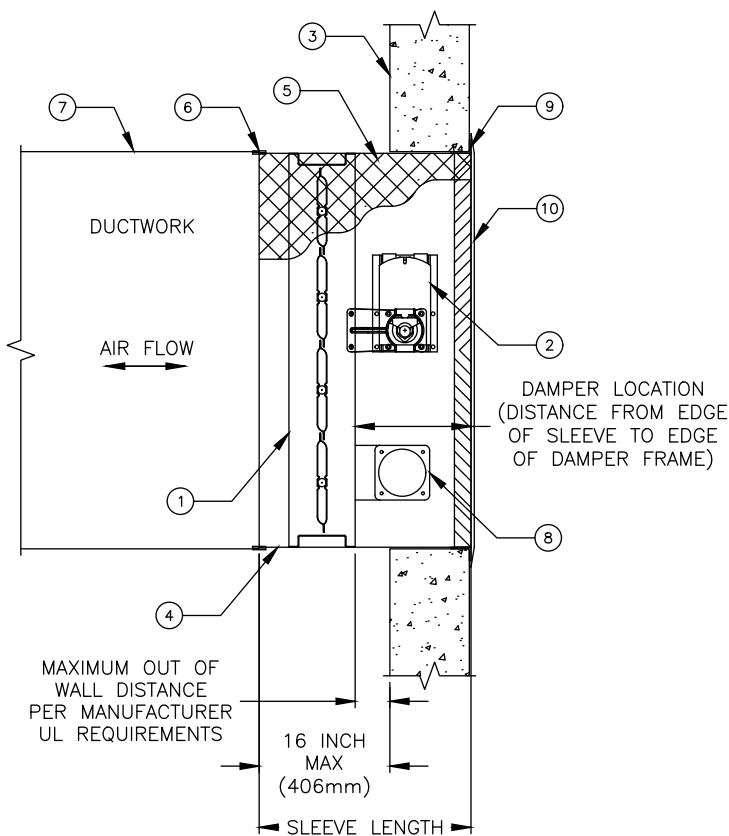


REVISION	SYM
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ITEM:

1. UL CLASSIFIED AS BOTH A FIRE DAMPER AND A LEAKAGE RATED SMOKE DAMPER
1.1 1-1/2 HR. LABEL – FOR FIRE SEPARATIONS LESS THAN 3 HOURS.
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 (BY OTHERS)

NOTE:

1. DAMPERS SHALL BE CONSTRUCTED, TESTED, LABELED AND INSTALLED IN ACCORDANCE WITH UL 555, UL 555S, NFPA 80, NFPA 90A, NFPA 92, NFPA 101 AND NFPA 105.
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.
 - 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. OFSD-311 MAY BE MOUNTED EITHER HORIZONTALLY OR VERTICALLY. BLADE AXIS MUST REMAIN HORIZONTAL.
7. DAMPER SLEEVE AND THERMAL BLANKET TO BE FACTORY FURNISHED, COMPLETE.
6. BASIS OF DESIGN SHALL BE GREENHECK OFSD-311 1-1/2 HOUR RATED STEEL AIRFOIL BLADE COMBINATION FIRE SMOKE DAMPER.

PAINT	PART NO.	MAT'L	GAUGE	DESCRIPTION
				DRAWN BY ECO
				BERNETT -----
				DATE ENG. REF.
				10/29/2025 -----
				SUPERSEDES -----
				SCALE -----
				1/8 -----
				CAD DRAWING NO. B
				100558327

OFSD, VERTICAL
MOUNT, INSTALL DETAIL