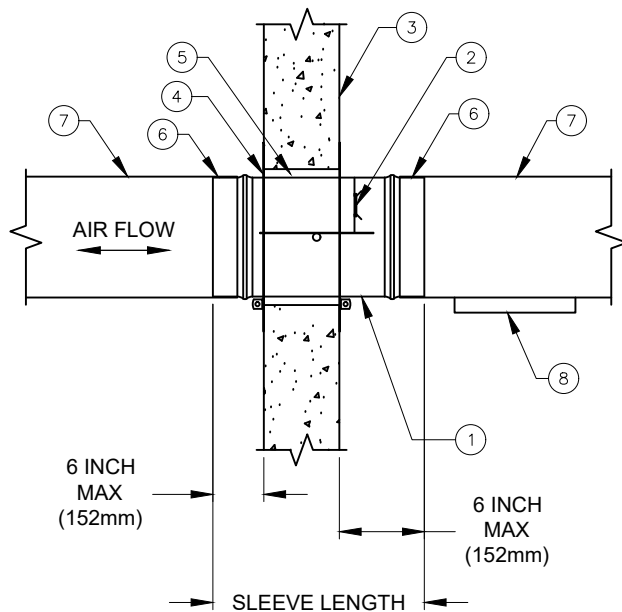


REVISION	SYM
----	3



ITEM:


1. UL CLASSIFIED FIRE DAMPER - DYNAMIC OR STATIC
 - 1.1. 1-1/2 HR. LABEL - FOR FIRE SEPARATIONS LESS THAN 3 HOURS.
2. UL LISTED HEAT RESPONSIVE DEVICE (UL LISTED FUSIBLE LINK)
3. RATED BARRIER
4. RETAINING PLATE
5. EXPANSION CLEARANCE
6. BREAKAWAY JOINT
7. STEEL DUCT
8. ACCESS DOOR (NFPA 80)

NOTE:

1. 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.
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.
4. MAXIMUM DAMPER OPENING MAY NOT EXCEED THE DAMPER MANUFACTURER'S MAXIMUM UL LISTED SIZE.
5. SLEEVE GAUGE, TERMINATIONS AND RETAINING ANGLES SHALL BE AS REQUIRED AND COMPLY WITH UL AND SMACNA REQUIREMENTS.
6. CLOSURE DEVICE SHALL BE A UL LISTED FUSIBLE LINK AND COMPLY WITH THE REQUIREMENTS OF NFPA 80 AND THE INTERNATIONAL BUILDING CODE (IBC).
8. DFDR-510 MAY BE MOUNTED EITHER HORIZONTALLY OR VERTICALLY. BLADE AXIS MUST REMAIN WITHIN 30 DEGREES OF HORIZONTAL.
9. BASIS OF DESIGN SHALL BE GREENHECK DFDR-510 1-1/2 HOUR, DYNAMIC RATED ROUND FIRE DAMPER. (ALTERNATE MODEL: SSDFDR-510 1-1/2 HOUR RATED)

Copyright © 2025 Greenheck Fan Corporation

Greenheck Fan Coporation reserves the right to make product changes without notice

PART	PART NO.	MAT'L	GAGE	DESCRIPTION
 GREENHECK				DRAWN BY: BERNETT DATE: 10/29/2025 SCALE: 1/8" CAD DRAWING NO. 100564201
DFDR-510, INSTALL DETAIL				ENG. REF. B