

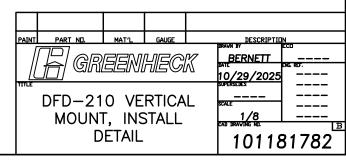
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## ITEM:

- UL CLASSIFIED AS BOTH A FIRE DAMPER DYNAMIC OR STATIC
  1.1 1-1/2 HR. LABEL FOR FIRE SEPARATIONS LESS THAN 3 HOURS.
- 2. MANUAL HAND LOCKING QUADRANT OPERATOR
- B. RATED BARRIER
- 4. RETAINING ANGLES
- 5. EXPANSION CLEARANCE
- 6. DAMPER SLEEVE
- 7. BREAKAWAY JOINT
- STEEL DUCT
- 9. ACCESS DOOR (NFPA 80)

## NOTE:

- DAMPERS SHALL BE CONSTRUCTED, TESTED, LABELED AND INSTALLED IN ACCORDANCE WITH UL 555, NFPA 80, NFPA 90A, AND 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.
- 3.1. 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.
- 5. CLOSURE DEVICE SHALL BE A UL LISTED FUSIBLE LINK AND COMPLY WITH THE REQUIREMENTS OF NFPA 80 AND THE INTERNATIONAL BUILDING CODE (IBC).
- 6. ACCESS DOORS SHALL BE PROVIDED FOR INSPECTION, TESTING AND MAINTENANCE TO COMPLY WITH NFPA 80.
- 3. DFD-210 MAY BE MOUNTED EITHER HORIZONTALLY OR VERTICALLY. BLADE AXIS MUST REMAIN HORIZONTAL.
- BASIS OF DESIGN SHALL BE GREENHECK DFD-210 1-1/2 HOUR RATED 3V BLADE FIRE DAMPER. (Alternate models: SEDFD-210)



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