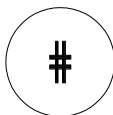


KEYED NOTES:

- ① HORIZONTAL DAMPER SHOWN, FOLLOW MANUFACTURER'S INSTRUCTIONS, INCLUDING GAGES FOR SLEEVE AND PERIMETER ANGLES, FIRE DAMPERS MUST BE INSTALLED IN LINE WITH FLOOR AND NOT OUTSIDE THE PENETRATION.
- ② GALVANIZED SLEEVE GAGE NOT LESS THAN CONNECTING DUCT, FASTEN SLEEVE TO DAMPER AND FLOOR SLAB WITH PERIMETER ANGLES.
- ③ USE GALVANIZED STEEL PERIMETER ANGLES NOT LESS THAN 1-1/2" X 1-1/2" (40mm x 40mm), MIN 14 GAGE, AND SHALL PROVIDE 1" (25mm) MINIMUM OVERLAP OF OPENING ON ALL SIDES. PERIMETER ANGLE IS FASTENED TO PARTITION.
- ④ BREAKAWAY DUCT CONNECTION OF TYPES INDICATED IN SMACNA. ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING FUSIBLE LINK OR LINKS.
- ⑤ PROVIDE 1/4" TO 1/2" (6mm TO 15mm) CLEARANCE ON HEIGHT AND WIDTH.

NOTES:

1. ALL DUCTWORK RISERS THAT RUN EXPOSED, SUCH AS THROUGH ATTIC FLOORS AND MECHANICAL ROOM FLOORS SHALL BE PROVIDED WITH 3" (75mm) HIGH CONCRETE CURB AROUND OPENING FOR DUCT.
2. ALL DETAILS SHALL COMPLY WITH FIRE DAMPER MANUFACTURER'S UL MOUNTING AND INSTALLATION REQUIREMENTS.
3. WHERE HVAC AIR DUCT PENETRATES ONLY ONE FLOOR AND PROTECTED WITH A FIRE DAMPER, AN AIR DUCT ENCLOSURE IS NOT REQUIRED.



FIRE DAMPER AT FLOOR PENETRATION

NTS

VA



U.S. Department
of Veterans Affairs

DETAIL TITLE / FIRE DAMPER AT FLOOR PENETRATION SECTION

SCALE: NONE

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