SOUND CONTROL DETAIL

ENVELOPE PORTION OF DUCT AND SILENCER WITH 2" THICK FIBERGLASS SEMI-RIGID INSULATION. COVERS INSULATION WITH 1" THICK DENSE PLASTER OR 2 LAYERS OF 1/2" THICK ALUMINUM BOARD WITH ALL JOINTS STAGGERED AND SEALED AIR TIGHT.

1/8" TO 1/2" ANNULAR SPACE. PACK SPACE WITH FIBERGLASS MINERAL ANGLED FILLED AROUND WITH A NON-HARDENING RESILIENT SEALER.

FILL STRENGTH WITH BRICK OR SEALANT DEPENDING UPON BUILDING MATERIAL PENETRATED.

EXTERNAL WRAP MAY ALSO BE MASS LOADED VINYL WITH SURFACE WEIGHT NOT LESS THAN 1.5 LB/SQ FT.文學 MACHINE-BLENDED DUCT WITH HELD MAX FINE OR ALUMINUM STRIPS. STICK-UPS NOT ALLOWED.

EXPOSED PORTION OF DUCT AND SILENCER WITH 2" THICK FIBERGLASS SEMI-RIGID INSULATION. COVER WITH 1" THICK DENSE PLASTER OR 2 LAYERS OF 1/2" THICK ALUMINUM BOARD WITH ALL JOINTS STAGGERED AND SEALED AIR TIGHT.

NOTES FOR DESIGNER:

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.

2. REFER TO ENGINEERING STANDARDS MANUAL MECHANICAL CHAPTER 6 FOR CRITERIA ON SOUND CONTROL.

3. DETAILS ARE NOT APPLICABLE FOR FIRE RATED BARRIERS, OR RADIATION, EXPLOSIVE, AND EMF SEALS.

4. REVOCATION OF PERMITS WHEN PENETRATING AN EXTERIOR WALL, ROOF, OR FLOOR, PROVIDE A METAL COLLAR SECURELY FASTENED TO THE STRUCTURE.

5. EXTERNAL ENCLOSEMENT MAY BE USED INSIDE OR OUTSIDE OF NOISY SPACE DEPENDING ON JOB CONDITIONS AND THE CONFIGURATIONS OF DUCTS.

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