



ENCLOSE PORTION OF DUCT AND SILENCER WITH 2" THICK FIBERGLASS SEMI-RIGID INSULATION. COVER INSULATION WITH 1" THICK DENSE PLASTER OR 2 LAYERS OF 5/8" THICK GYPSUM BOARD WITH ALL JOINTS STAGGERED AND SEALED AIR TIGHT.

MINIMUM THREE EQUIVALENT DUCT DIAMETERS

1/2" TO 5/8" ANNULAR SPACE. PACK SPACE WITH FIBERGLASS MATERIAL AND SEAL ALL AROUND WITH A NON-HARDENING RESILIENT SEALER

FILL OPENING WITH GROUT OR SEALANT DEPENDING UPON BUILDING MATERIAL PENETRATED

WALL, FLOOR, OR CEILING

EXTERNAL WRAP MAY ALSO BE MASS LOADED VINYL WITH SURFACE WEIGHT NOT LESS THAN 1.5 LBS/SQ FT. TREATMENT SHOULD BE SECURED TO DUCT WITH WELD NAIL PINS OR ALUM. BAND STRAPS. STIC-KLIPS NOT ALLOWED.

NOISY SPACE OR NOISE SENSITIVE SPACE

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**SOUND CONTROL DETAIL**  
SCALE: NONE

**NOTES FOR DESIGNER:** (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

- EXTERNAL ENCLOSURE MAY BE USED INSIDE OR OUTSIDE OF NOISY SPACE DEPENDING ON JOB CONDITIONS AND THE CONFIGURATIONS OF DUCTS.
- REFER TO SHEET 5 FOR ADDITIONAL DESIGNER NOTE.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

3	8-14-03	U		EDITORIAL CHANGES & DWG NO. WAS	RP	SS	RR	GG	TO
2	9-8-02	U		ADDED SHEET 5.	RP	JR	GG	GG	TO
1	4-30-01	U		REVISED TO COMPLY WITH DRAFTING MANUAL AND ADDED NOTE 3.	RP	RR	KB	TO	TO
NO	DATE	CLASS	REV	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP

**ENGINEERING STANDARDS PROGRAM**

**ENGINEERING STANDARDS MANUAL**

DESIGN	R.ROMERO
CHECKED	K.BECKHAM
DATE	6-28-99

BLDG X TA-X

DISCIPLINE POC: GURINDER GREWAL

STANDARDS MANAGER: TOBIN ORUCH

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CLASSIFICATION: U

REVIEWER: LARRY BAYS

DATE:

PROJECT ID: CHAPTER 6 ST-D10-30GEN-3

REVISION: 3

SHEET 4 OF 5

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