



CONSTRUCT SOUND TRAP OF 1" THICK AIR DUCT BOARD. JOINTS MAY BE TAPED

[VISIBLE INSIDE SURFACES FLAT BLACK]

24 GA. GALVANIZED SHEET METAL COLLAR

FINISHED CEILING

RETURN AIR GRILLE, SEE PLAN FOR SIZE

SUPPORT W/SHEET METAL STRAPS ANCHORED TO BUILDING STRUCTURE ABOVE

"A" MAINTAIN THE AREA OF THIS OPENING TO EQUAL AREA OF GRILLE NECK SIZE

MIN. 3/4 "A" OR 6", WHICHEVER IS LARGER

"A" NECK SIZE  
1 1/2 "A"

**RETURN AIR SOUND TRAP DETAIL**  
SCALE: NONE

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

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. PROVIDE VISIBLE INSIDE SURFACES WITH FLAT BLACK FINISH WHERE REFLECTION (DARK ROOMS, ETC) OR AESTHETICS IS A CONCERN.
3. REFER TO LANL MASTER SPECIFICATION 23 3100 FOR AIR DUCT BOARD SPECIFICATION.

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	6-10-04	U		REVISED NOTE 3.	RP	MN	CD	CD	TO	
2	8-13-03	U		REVISED NOTES & SOUND TRAP MATERIAL DWG NO. WAS STRETO.	RP	AY	JM	GG	TO	
1	4-30-01	U		ADDED NOTE 1 AND REVISED TO COMPLY WITH DRAFTING MANUAL.	RP	RR	KB	TO	TO	
NO	DATE	CLASS	REV	ADC	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP

**ENGINEERING STANDARDS PROGRAM**

**ENGINEERING STANDARDS MANUAL**

RETURN AIR SOUND TRAP DETAIL

BLDG X  
SUBMITTED TA-X  
DISCIPLINE POC: GURINDER GREWAL  
STANDARDS MANAGER: TOBIN ORUCH

APPROVED FOR RELEASE  
DATE: 6-28-99

Los Alamos NATIONAL LABORATORY  
PO Box 1663  
Los Alamos, New Mexico 87545

CLASSIFICATION: U  
REVIEWER: LARRY BAYS  
DRAWING NO: CHAPTER 6  
PROJECT ID: ST-D3040-2

DESIGN: R.ROMERO  
CHECKED: K.BECKMAN  
DATE: 6-28-99

1 OF 1  
SHEET 1  
REV 3

© LANL Engineering Standards Dept. Manual ESD-334 Rev. 08/2003