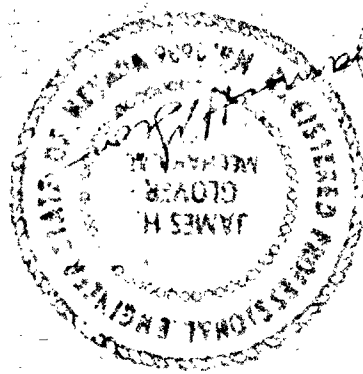




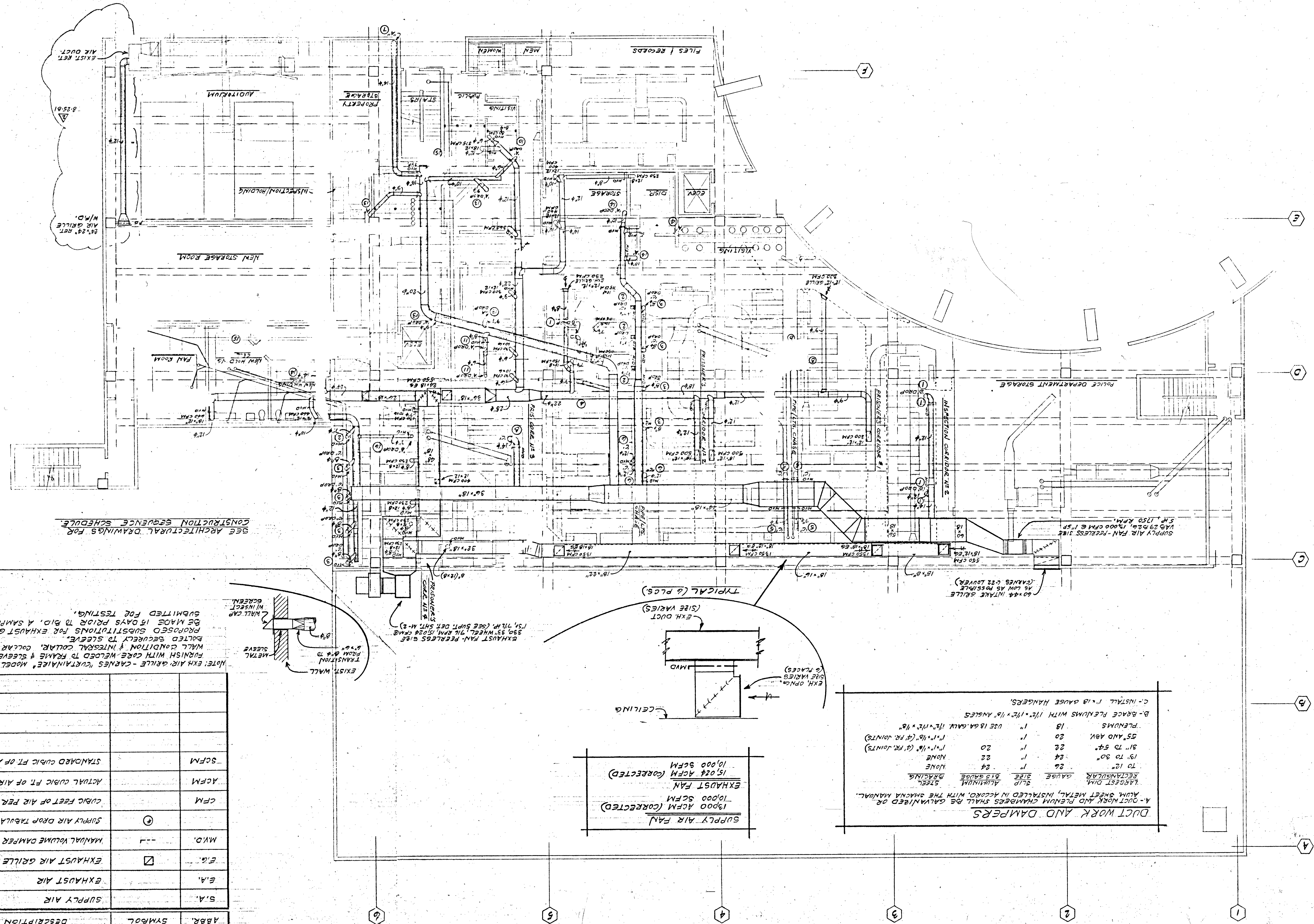
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job no.
sheet title:
SMOKE REMOVAL SYSTEM PLAN
FOR: CITY OF LAS VEGAS
JAIL ANNEX RENOVATION

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SMOKE REMOVAL SYSTEM PLAN
SCALE: 1/8"=1'-0"



SEE ARCHITECTURAL DRAWINGS FOR
CONSTRUCTION SEQUENCE SCHEDULE.

NOTE: EXH. AIR GRILLE - CARNES 'UNSTAINABLE' MODEL 55CD-40.
FURNISH WITH CORE WELDED TO FRAME & SLEEVE TO MATCH
WALL CONDITION & INTEGRAL COLLAR. COLLAR SHALL BE
BOLTED SECURELY TO SLEEVE.
PROPOSED SUBSTITUTIONS FOR EXHAUST GRILLES SHALL
BE MADE 15 DAYS PRIOR TO BID. A SAMPLE SHALL BE
SUBMITTED FOR TESTING.

ABBR.	SYMBOL	DESCRIPTION
S.A.		SUPPLY AIR
E.A.		EXHAUST AIR
E.G.		EXHAUST AIR GRILLE (SEE NOTE BELOW)
M.V.D.		MANUAL VOLUME DAMPER W/ LOCKING QUAD.
CFM		CUBIC FEET OF AIR PER MINUTE
ACFM		ACTUAL CUBIC FT. OF AIR PER MIN.
SCFM		STANDARD CUBIC FT. OF AIR PER MIN.

DUCT WORK AND DAMPERS			
A- DUCT WORK AND PLENUM CHAMBERS SHALL BE GALVANIZED OR ALUM. SHEET METAL, INSTALLED IN ACCORD. WITH THE MANUFACT. RECOMMENDATIONS.			
ALUMINUM BRACING	SIZE	GAUGE	REMARKS
STEEL	1"	18 GA.	TO 12"
	1"	24	15" TO 30"
	1"	22	30" TO 54"
	1"	20	55" AND ABV.
	1"	18	PLENUMS
B- BRACE PLENUMS WITH 1/2" x 1/2" x 1/8" ANGLES			
C- INSTALL 1" x 1/8" GAUGE HANGERS.			

SUPPLY AIR FAN
19,000 SCFM (CORRECTED)
EXHAUST FAN
15,024 SCFM (CORRECTED)
10,000 SCFM