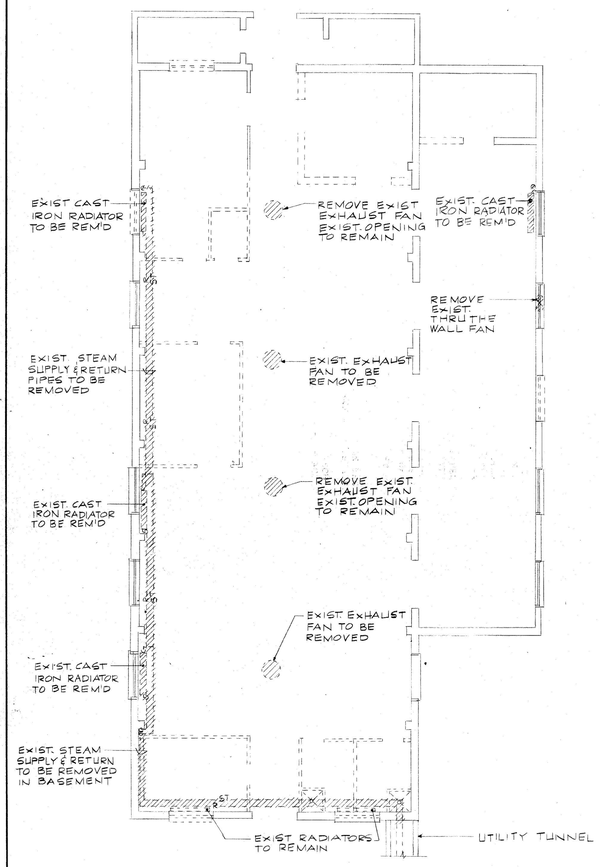
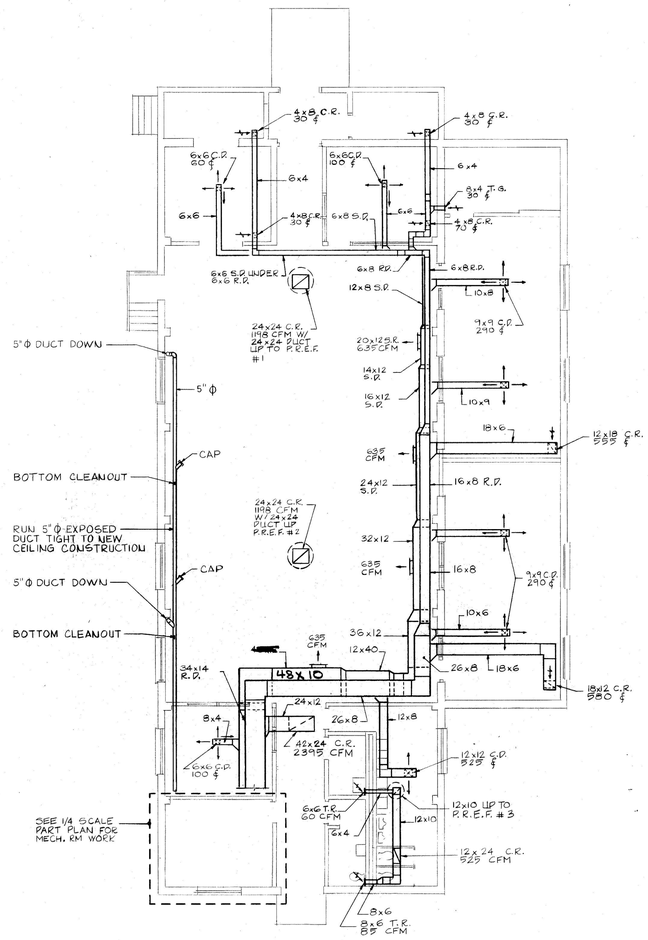
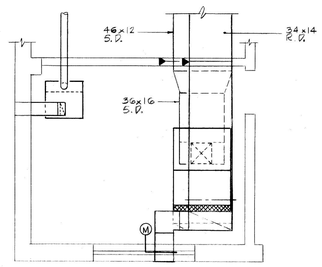


FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"



FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"



MECHANICAL ROOM
SCALE 1/4" = 1'-0"

SYMBOLS LIST

	SUPPLY DUCT UP
	SUPPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
24×12	DUCT (SIZE IN INCHES, FIRST FIGURE SHOWN)
	LOCATION OF POWER ROOF EXHAUST FAN
	TRANSITION
	ELBOW SQUARE TYPE WITH TURNING VANES
	FLEXIBLE DUCT CONNECTOR
	FIRE DAMPER
M.V.D.	MANUAL VOLUME DAMPER
M	MOTORIZED AUTOMATIC DAMPER
	SPLITTER
U	UNDERCUT DOOR (DIRECTION OF AIR FLOW)
T	THERMOSTAT
	GATE VALVE
L.P.S.	LOW PRESSURE STEAM SUPPLY
L.P.R.	LOW PRESSURE RETURN
	UNION
	STRAINER
	CHECK VALVE
	STEAM TRAP
ST	EXISTING STEAM PIPING
R	EXISTING CONDENSATE RETURN PIPING
	EXISTING PIPING TO BE REMOVED
	POINT OF CONNECTION NEW TO EXISTING
C.D.	CEILING DIFFUSER
C.R.	CEILING REGISTER
EFF	EFFICIENCY
ENT.	ENTERING
IN.	INCH
LVG.	LEAVING
O.A.	OUTSIDE AIR
O.A.I.	OUTSIDE AIR INTAKE
P.D.	PRESSURE DROP
P.R.E.F.	POWER ROOF EXHAUST FAN
S.P.	STATIC PRESSURE
TEMP.	TEMPERATURE
T.R.	TOP REGISTER
U.H.	UNIT HEATER
VEL.	VELOCITY
W.G.	WATER GAUGE
S.D.	SUPPLY DUCT
R.D.	RETURN DUCT

STEAM UNIT HEATER SCHEDULE

UNIT	TYPE	BTU/HR CAPACITY	STEAM		FAN				REMARKS
			PSIG	LBS/HR	HP	VOLTS	PHASE	HZ	
UH-1	HORIZ.	12510			1/25	120	1	60	

HEATING & VENTILATING UNIT SCHEDULE

UNIT NO	FAN									STEAM HEATING COIL					REMARKS
	CFM		MAX F.V. FPM	EXT. S.P. IN H_2O	T.L. S.P. IN H_2O	RPM	ELECTRICAL			AIR TEMP. °F		T.L. CAP. MBH	LBS/HR MBH	MAX. PRES DROP IN H_2O	
	TL	MIN O.A.					HP	VOLT	PHASE	ENT.	LVG.				
HV 1	4485	670	600	0.94	2	1260	5	208	3	10	121	497		0.40	

POWER ROOF EXHAUST FAN SCHEDULE

UNIT NO	TYPE OF DRIVE	MAX. TIP SPEED RPM	CFM	RPM	S.P. INCHES H_2O	MOTOR				REMARKS
						HP	VOLT	PHASE	HERTZ	
PREF #1E2	BELT DRIVE	4311	1198	1480	0.125	1/4	120	1	60	
PREF #1E2	BELT DRIVE	3116	670	1070	0.25	1/4	120	1	60	

ALPHATEC
PROGRESS PRINT

DESIGNED
DRAWN
CHECKED
CERTIFICATION

ASSISTANT DIRECTOR FOR BUREAU OF DESIGN AND ENGINEERING
DATE

REGISTRATION NO.
DATE
ARCHITECT
DATE

REVISION	DATE	DESCRIPTION	BY	APP.

PROJECT DRAWINGS

LORTON IMPROVEMENTS - CENTRAL FACILITY CIVIL ACTION
DEPARTMENT OF CORRECTIONS, LORTON, VA.

AUSTIN L. SPRIGGS ASSOCIATES
433 MASSACHUSETTS AVENUE, N.W., WASHINGTON, D.C. 20001

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF GENERAL SERVICES

DRAWING NO. M-1
PROJECT No. C-1011
DATE
SHEET ___ OF ___