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RELOCATION OF THE JONES MEMORIAL LIBRARY

MEMORIAL AVE. & LAKESIDE DR.
LYNCHBURG, VIRGINIA

HVAC - SCHEDULES & DETAILS

revision	

design by RTB
drawn by TCD RTB
checked EKS
date 9/86
comm 297.1
scale AS NOTED
drawing **H-2**

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COMMONWEALTH OF VIRGINIA
EARL R. SIMPSON, JR.
CERTIFICATE No. 2378
CERTIFIED PROFESSIONAL ENGINEER

SIMPSON • JOHNSON, INC.
CONSULTING ENGINEERS
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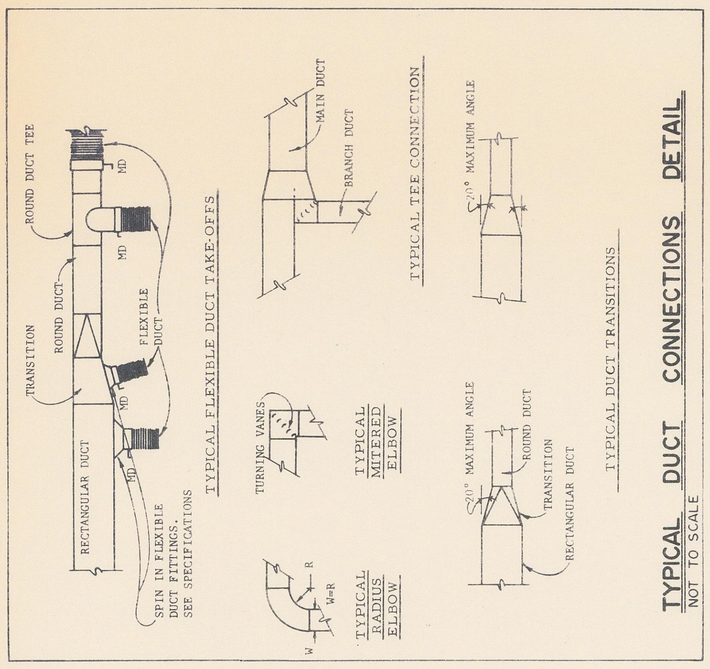
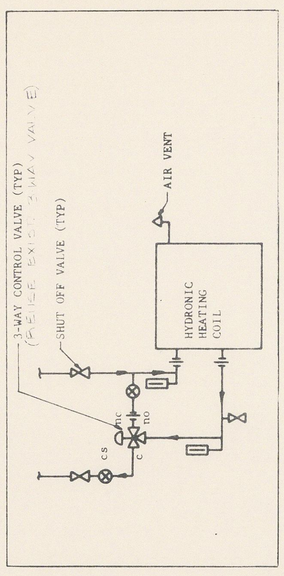
COMMONWEALTH OF VIRGINIA
M. LYMAN JOHNSON
CERTIFICATE NO. 96
CERTIFIED PROFESSIONAL ENGINEER





TYPICAL HYDRONIC HEATING COIL CONNECTION
NOT TO SCALE

AIR CONDITIONING UNIT SCHEDULE

BASED ON TRANE	INDOOR UNIT	MARK	AHU-1-2
		ELEC. CHAR.	208/2/60
		MODEL	SPLB-250
	OUTDOOR CONDENSING UNIT	MARK	CU-1-2
		ELEC. CHAR.	208/1/60
		MODEL	RAUB-020
TOTAL AIR (CFM)/FRESH AIR (CFM)			1000/200
TOTAL STATIC PRESS. (IN. W.G.)			1 1/4
FAN MOTOR HP			5
SENSIBLE LOAD TONS/MBH			17.8/201.6
TOTAL COOLING LOAD TONS/MBH			20.04/240.5
ENTERING CONDITIONS °F D.B./°F W.B.			78/63.6
LEAVING CONDITIONS °F D.B./°F W.B.			—
COOLING COIL	SIZE		
	TYPE		
REFRIGERANT TEMPERATURE			
TOTAL HEATING LOAD			
HEATING COIL	SIZE		SEE HC SCHEDULE
	TYPE		
	FT. DROP / GPM		
	CIRCUITS/PASSES		
FILTERS	THROW AWAY		4-16"x20"x2"
REMARKS			
AREA SERVED			2ND. FL.

SCHEDULE OF HEATING COILS — BASED ON 20° °F.EWT.

MARK	CFM	EAT	LAT	HEATING CAPACITY	GPM	WATER PRESSURE DROP	MAX FACE VELOCITY	AIR PRESSURE DROP	COIL TYPE	ROWS	FINS/FT.	COIL SIZE	AREA SERVED
		°F	°F	MBH		FT. WG.	FT/MIN.	IN. W.G.				IN.	
HC-1	1000	65	125	154	15	5.0	450	.17	FERRALOW	1	80	7x24	2ND. FL.

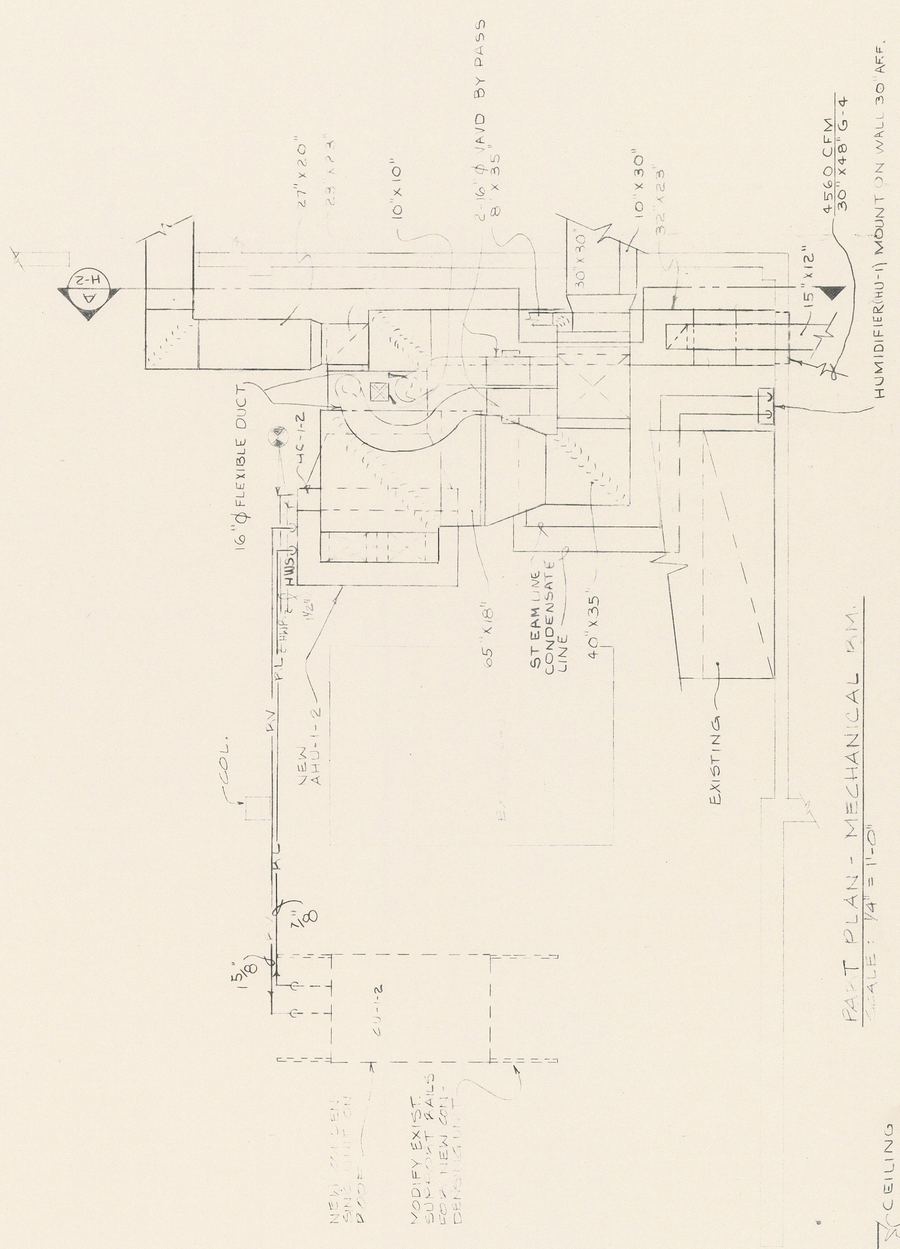
FAN SCHEDULE*

NO.	CFM	S.P.	T.S.	FAN RPM	MOTOR HP	MOTOR V	MOTOR PH	MANUFACTURER	MODEL NO.	AREA SERVED	REMARKS
F-1	1925	.125	—	1305	1/4	120	1	GREENHECK	SB 7-4	TOILETS	
F-2	80	—	—	1050	1/200	120	1	"	G-60E	JAN'S CLOTHES	
F-3	80	—	—	—	1/50	120	1	NUTONE	8832	ELEV. MACH RM	

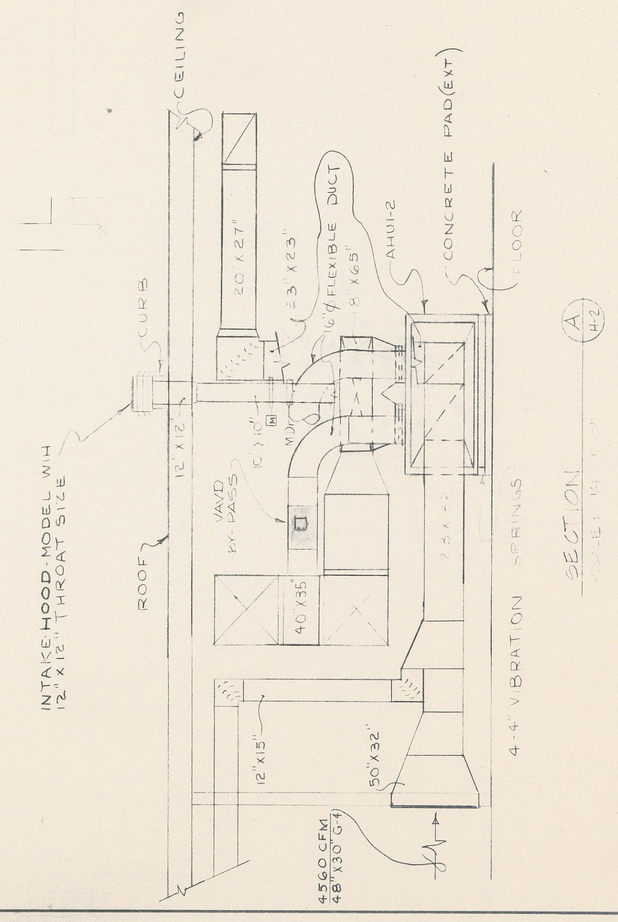
* TO HAVE BACKDRAFT DAMPER

	ELECTRIC UNIT HEATER SCHEDULE					
NO.	BTU/HR	WATTS	VOLTS	PH	MODEL	MANUFACTURER	REMARKS
CUH-1	5100	1500	120	1	CWH-151	CHROMALOX	ENT. LOBBY
CUH-2	5100	1500	120	1	CWH-151	"	STAIR 2
CUH-3	2500	*750	120	1	*CWH-151	"	MECH
CUH-4	2500	*750	120	1	*CWH-151	"	JAN.
CUH-5	"	*750	120	1	CWH-151	"	ELEV. MACH. RM.

* MODIFIED IN FIELD



PART PLAN - MECHANICAL RM.
SCALE: 1/4" = 1'-0"



SECTION
SCALE: 1/4" = 1'-0"

SOUTHERN PHOTO - GREENSBORO N-6663