

FAN SCHEDULE																			
NO.	LOCATION	SERVICE	TYPE	CFM	S.P. INCHES W.G.	FAN DIA.	BLADE TYPE	FAN RPM	TIP SPEED (FPM)	OUTLET VEL. (FPM)	DRIVE	ROTATION DISCHARGE	MOTOR RPM	H P	VOLTS	PHASE	STARTER	PILOT LIGHT	DESIGN EQUIPMENT
F-1	MECH. RM.	CAB 112 HOOD EXH.	VENT SET	1250	1 1/2	9 3/16	FC	1750	-	2840	DIRECT	VERTICAL	1750	1 1/2	230/460	3	VAR. FREQ.	YES	BUFFALO "BABY VENT", G
F-2	MECH. RM.	CAB 114 HOOD EXH.	VENT SET	1250	1 1/2	9 3/16	FC	1750	-	2840	DIRECT	VERTICAL	1750	1 1/2	230/460	3	VAR. FREQ.	YES	BUFFALO "BABY VENT", G
F-3	MECH. RM.	ROOM 110 EXHAUST	VENT SET	100	1/2	3 3/4	FC	1725	-	2000	DIRECT	VERTICAL	1725	1/3	115	1	MANUAL	YES	BUFFALO "BABY VENT", A
F-4	MECH. RM.	CONF 349 EXHAUST	LINE	450	5/8	12 15/16	AIRFOIL	1725	-	924	DIRECT	VERTICAL	1725	1/6	115	1	MANUAL	YES	COOK 10CV17D
F-5	MECH. RM.	TOILET EXHAUST	LINE	110	1/2	15 9/16	AIRFOIL	1725	-	540	DIRECT	VERTICAL	1725		115	1	MANUAL	YES	COOK 12CV11D
F-6	DELETED																		
F-7	MECH. RM.	LOUNGE 103 EXHAUST	LINE	150	1/2	10 1/4	AIRFOIL	1725	-	370	DIRECT	VERTICAL	1725	1/12	115	1	MANUAL	YES	COOK 8CV17D
F-8	MECH. RM.	BLOC. RETURN AIR	TUBE CENTR.	7600	1/2	24 1/2	AIRFOIL	1111	7122	1300	BELT	VERTICAL	1800	3	230/460	3	VAR. FREQ.	YES	HARR 8245

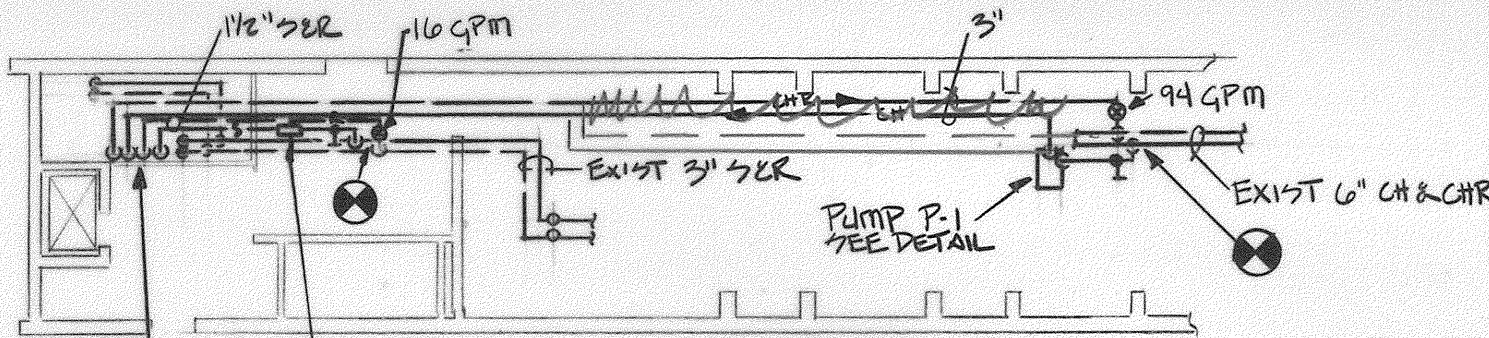
FILTER SCHEDULE													
FILTER LINK NO.	LOCATION	SYSTEM	CFM	INITIAL P D IN WG	FINAL P D IN WG	NO. OF CELLS	DIMENSIONS			EFF % (MIN.)	MIN. MEDIA AREA EA. FILTER	DESIGN EQUIPMENT	REMARKS
							H	W	D				
FB-1	MECH. RM.	AC-1	10,000	0.40	0.75	4	24	24	15	30	20	CAMBRIDGE 45HC-2500	INSTALL IN CAMBRIDGE HOUSING, SCT-20-80B

RADIATION SCHEDULE (HOT WATER)											
TYPE	BTU/HR	ENCLOSURE		ELEMENT			WATER		DESIGN EQUIPMENT	REMARKS	
		H	D	TUBE SIZE	FIN SIZE	ROWS	FIN/FT	E.W.T. °F			T.D. °F
FT-A	973/FT	BARE ELEM.	13"	1 1/4" CA	2 1/2" x 5 1/4"	TWO	60	160	40	TRANE BARE ELEMENT, SERIES 60	
FT-B	957/FT	16"	6"	1 1/4" CA	2 1/2" x 5 1/4"	TWO	60	160	40	TRANE SERIES 60, TYPE S ENCLOSURE	
FT-C	823	24"	4"	1 1/4" CA	2 1/2" x 5 1/4"	TWO	60	160	40	TRANE SEMI-RECESSED, TYPE SK	
FT-D	2000	26"	6"	1 1/4" CA	2 1/2" x 5 1/4"	TWO	60	160	40	TRANE SEMI-RECESSED, TYPE SK	

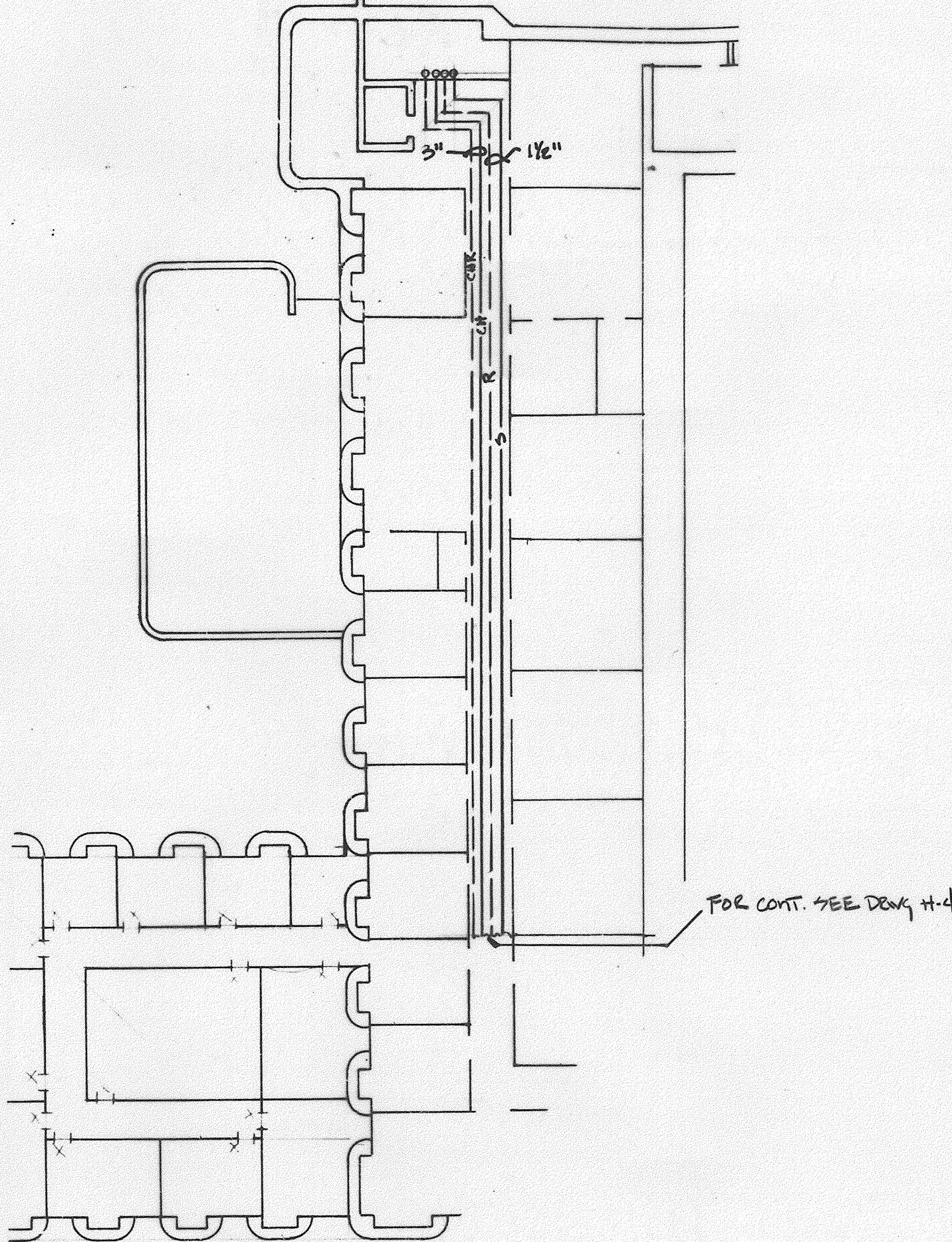
PUMP SCHEDULE											
PUMP NO.	LOCATION	SERVICE	GPM	HEAD FT. WATER	MAX WHP	MOTOR				STARTER	DESIGN EQUIPMENT
						H P	VOLTS	PHASE	RPM		
P-1	LEVEL 4 EQUIP. RM.	AC-1 CHILLED WATER	45	75	175 PSI	3	230/460	3	1750	COMB. MAG.	BASE MTD. B6G SERIES 1510 - 1 1/2 BB
P-2	LEVEL 4 EQUIP. RM.	HOT WATER	10	53	175 PSI	1	230/460	3	1750	COMB. MAG.	IN-LINE B6G SERIES 60 - 1 1/2 A

CABINET UNIT HEATER SCHEDULE (H. W.)													
UNIT NO.	LOCATION	CFM	FAN MOTOR				CAPACITY MBH	GPM	PRESS. DROP (FT.)	E.A.T. °F	L.A.T. °F	MOUNTING ARROT	DESIGN EQUIPMENT
			RPM	H.P.	VOLTS	PHASE							
CUH-1	WEST STAIRWELL	220	1100	1/60	115	1	11.4	0.5	0.07	55	105.2	HORIZ SURFACE	TRANE 502
CUH-2	CORR.	220	1100	1/60	115	1	11.4	0.5	0.07	55	105.2	HORIZ. SURFACE	TRANE 402 #
	# 3/16" RECESS												

FAN AND COIL UNIT SCHEDULE - WATER																												
UNIT NO.	LOCATION	SERVICE	CFM STD AIR	MIN. O.A. CFM	S.P. IN W.G.		O.V. (FPM)	FAN RPM	FAN NO. & MIN. DIA.	MOTOR				STARTER	COOLING COIL 44°F P.W.T.							DESIGN EQUIPMENT	REMARKS					
					EXT	TOTAL				RPM	H P	VOLTS	PHASE		EAT DB °F	LAT WB °F	FACE WB °F	ROWS & VEL. FPM	CIRCUITS	TEMP RISE	SENSIBLE HT. MBH			LATENT HT. MBH	TOTAL TONS	GPM	P.D. FT. HD.	
AC-1	MECH. ROOM	1-3 FLOOR	10200	2500	2.5	4.25	2040	1054	TRANE 21D-20"FC	1750	15	230/460	3	VAR. FREQ.	77.3	64.4	52.4	51.9	495	6 ROW SIGMA FLOW	8	280.6	92.5	30.14	93.1	15.9	TRANE CLIMATE CHANGER, 21	VERT. DRAW-THRU;

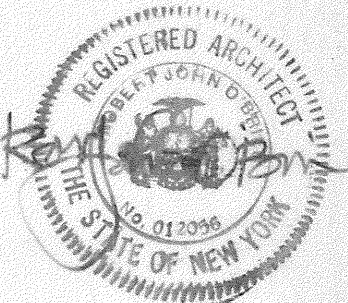


PARTIAL LEVEL 4
1/16"-1'-0"

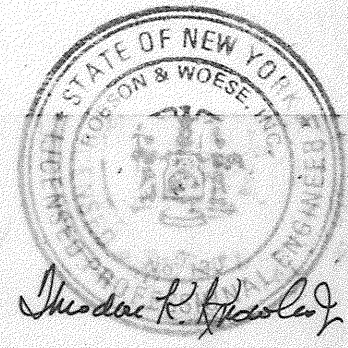


PARTIAL LEVEL 3
1/16"-1'-0"

HOLT
Hoffman O'Brien
Levatic & Taube, P.C.
Architects, Planners, Graphic
and Interior Designers
119 West Buffalo Street
Ithaca, New York 14850



nw
Robson & Woese, Inc.
Consulting Engineers
2230 Pantfield Road
Pantfield, New York



Addition to Wilson Laboratory
Cornell High Energy Synchrotron Source and Laboratory for Nuclear Studies
Cornell University, Ithaca, New York

Scale: AS NOTED
Date: 11/9/84
Project No: 83904
Drawn by: DWM

PARTIAL PLAN
&
SCHEDULES

H-6

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