

FAN AND RELIEF VENT SCHEDULE										
MARK NO.	SERVICE	CAPACITY CFM	S.P. IN. W.G.	TIP SPEED FPM	MAX. RPM	MAX. HP	ELECTRICAL REQUIREMENTS	TYPE	DRIVE	REMARKS
EF-1	MOTOR ROOM	5070	0.25	1690	-	1	460/3/60	CABINET	BELT	
EF-2	CARBON MONOXIDE EXHAUST	800	3.0	-	-	3/4	460/3/60	CEN	BELT	FURNISHED WITH CARBON MON. REMOVAL SYSTEM
REF-1	SCALE ROOM	1740	0.25	3960	-	1/3	120/1/60	REF	BELT	BDD, COATING
REF-2	CHLORINE ROOM	580	0.25	2700	-	1/4	120/1/60	REF	BELT	BDD, COATING
REF-3	SO ₂ ROOM	90	0.25	2940	-	1/40	120/1/60	REF	DIRECT	BDD, COATING
REF-4	LABORATORY HOOD	875	0.68	4180	-	1/3	120/1/60	REF	BELT	BDD, COATING
REF-5	MECH. ROOM NO. 1	500	0.25	2600	-	1/4	120/1/60	REF	BELT	BDD
REF-6	TOILETS	880	0.38	3750	-	1/4	120/1/60	REF	BELT	BDD
REF-7	GARAGE-TRUCKWAY	1200	0.38	3450	-	1/4	120/1/60	REF	BELT	BDD
REF-8	STORAGE-VACUUM ROOM	320	0.20	2490	-	1/40	120/1/60	REF	DIRECT	BDD
REF-9	FILTER AREA	2200/1100	0.25	3350	-	1/3	120/1/60	REF	BELT	BDD, 2-SPEED
REF-10	FILTER AREA	2200/1100	0.25	3350	-	1/3	120/1/60	REF	BELT	BDD, 2-SPEED
REF-11	MECH. ROOM NO. 2	1000	0.25	3840	-	1/4	120/1/60	REF	BELT	BDD
REF-12	GALLERY	1000	0.25	3840	-	1/4	120/1/60	REF	BELT	BDD
REF-13	BLOWER ROOM	1000	0.25	3840	-	1/4	120/1/60	REF	BELT	BDD
REF-14	GALLERY	2000	0.25	3000	-	1/3	120/1/60	REF	BELT	BDD
REF-15	MCC ROOM	1000/800	0.25	3730	-	1/3	120/1/60	REF	BELT	2-SPEED
SAF-1	COMMUNICATOR ROOM	6150	0.38	-	2100	2	460/3/60	TUBEAXIAL	BELT	EXPLOSIONPROOF AIR AT 0°F
SAF-2	BOILER ROOM	600	0.25	1400	-	1/4	120/1/60	CABINET	BELT	FILTER-MIXING BOX
RV-1	COMMUNICATOR ROOM	6150	0.1	-	-	-	-	-	-	COATING
RV-2	CARBON MONOXIDE EXHAUST	800	0.1	-	-	-	-	-	-	BDD
RV-3	ELECTRICAL ROOM	970	0.1	-	-	-	-	-	-	
RV-4	LIME STORAGE	1000	0.2	-	-	-	-	-	-	BDD, COATING
REF-16	LUNCH ROOM	125	0.25	2460	-	1/60	120/1/60	REF	DIRECT	BDD

REF = ROOF EXHAUST FAN CEN = CENTRIFUGAL FAN BDD = BACKDRAFT DAMPER

CONDENSING UNIT SCHEDULE									
MARK NO.	SERVICE	CAPACITY TONS	SUCTION °F	CONDENSING °F	CONDENSER WATER - GPM	REFRIGERANT	POWER INPUT-KW	ELECTRICAL REQUIREMENTS	REMARKS
CU-1	CC-1 IN AHU-3	4.2	41	105	10.4	12	4.6	460/3/60	
CU-2	CC-2 IN AHU-4	15.2	43	105	24.1	22	14.7	460/3/60	100%-50% CAPACITY CONTROL
CU-3	CC-3 IN AHU-6	1.7	42	110	4.2	12	2.5	460/3/60	

RATINGS BASED ON CONDENSER WATER ENTERING AT 80°F; FOULING FACTOR 0.0005

FIN RADIATION SCHEDULE							
MARK NO.	LOCATION	CAPACITY BTU/HR	WATER GPM	ELEMENT FINNED LENGTH FT.	ENCLOSURE HEIGHT INCHES	ENCLOSURE TYPE	REMARKS
FT-1	LABORATORY	15340	1.5	13	12	TOP OUTLET	
FT-2	SUPER. OFFICE	8260	0.9	7	12	TOP OUTLET	
FT-3	SECRETARY	9440	1.0	8	12	TOP OUTLET	
FT-4	CONFERENCE	15930	1.6	13 1/2	12	TOP OUTLET	
FT-5	CONFERENCE	15930	1.6	13 1/2	12	TOP OUTLET	
FT-6	GENERAL OFFICE	8260	0.9	7	12	TOP OUTLET	

CAPACITIES BASED ON 190°F AVERAGE WATER TEMP. AND 65°F ENTERING AIR
ENCLOSURES TO EXTEND WALL-TO-WALL AND AS REQUIRED TO ENCLOSE PIPING

AIR HANDLING UNIT SCHEDULE											
MARK NO.	SERVICE	CAPACITY CFM	EXT. S.P. IN. W.G.	MAX. HP	O. V. FPM	ELECTRICAL REQUIREMENTS	FILTER TYPE	FILTER ARRGT.	UNIT ARRGT.	COILS	REMARKS
AHU-1	MOTOR & PUMP ROOMS	5070	3/8	3	1510	460/3/60	THROWAWAY	ANGLE	HORIZ.	HC-1	EXTERNAL FACE & BYPASS FILTER - MIXING BOX
AHU-2	LAB. HOOD SUPPLY	525	1/2	1/3	520	120/1/60	THROWAWAY	ANGLE	HORIZ.	HC-2	INTERNAL FACE & BYPASS
AHU-3	LABORATORY	1660	3/4	1 1/2	1650	460/3/60	THROWAWAY	ANGLE	VERT..	HC-3 CC-1	EXTERNAL FACE & BYPASS ; MIXING BOX
AHU-4	OFFICES	6150	1/2	3	1500	460/3/60	THROWAWAY	ANGLE	VERT..	HC-4 CC-2	EXTERNAL FACE & BYPASS ; MIXING BOX
AHU-5	FILTER AREA	2200	1/2	1	1900	460/3/60	THROWAWAY	ANGLE	HORIZ.	HC-5	INTERNAL FACE & BYPASS
AHU-6	ELECTRICAL ROOM	970	3/8	1/2	960	460/3/60	THROWAWAY	ANGLE	VERT..	CC-3	MIXING BOX

HEATING (HC) AND COOLING (CC) COIL SCHEDULE											
MARK NO.	CAPACITY CFM	MAX. FACE VEL. FPM	ENT. AIR		LVG. AIR		WATER GPM	MAX. AIR Δp IN. W.G.	ROWS	REFRIG. TEMP. °F	REMARKS
			°DB	°WB	°DB	°WB					
HC-1	5070	580	0	-	80	-	22.6	0.38	2	-	
HC-2	525	300	0	-	70	-	8.7	0.10	1	-	
HC-3	1660	560	55	-	70	-	5.4	0.14	1	-	
HC-4	6150	530	57	-	70	-	9.9	0.13	1	-	
HC-5	2200	630	0	-	70	-	13.7	0.23	1	-	
CC-1	1660	560	77.3	65.3	56.5	55.6	-	0.80	4	43	
CC-2	6150	530	77.0	65.5	57.0	56.0	-	0.73	4	45	
CC-3	970	490	75.0	62.4	57.0	55.7	-	0.40	4	44	

HEATING COIL CAPACITIES BASED ON WATER ENTERING AT 200°F WITH MAX. WATER PRESSURE DROP OF 4 FEET.

HOT WATER CONVECTOR SCHEDULE								
MARK NO.	LOCATION	CAPACITY MBH	WATER GPM	CABINET SIZE		LENGTH	CABINET TYPE	REMARKS
				DEPTH	HEIGHT			
C-1	STAIR NO. 3	10.4	1.0	6"	19"	56"	WALL HUNG WITH SLOPING TOP	
C-2	WOMENS'	2.9	0.3	4"	19"	28"	WALL HUNG WITH SLOPING TOP	
C-3	MENS'	3.3	0.3	4"	19"	32"	WALL HUNG WITH SLOPING TOP	
C-4	STAIR NO. 1	8.8	0.9	6"	19"	48"	WALL HUNG WITH SLOPING TOP	
C-5	LUNCH ROOM	3.3	0.3	4"	19"	32"	WALL HUNG WITH SLOPING TOP	
C-6	JANITOR	4.9	0.5	6"	19"	28"	WALL HUNG WITH SLOPING TOP	
C-7	STORAGE ROOM	5.7	0.6	6"	19"	32"	WALL HUNG WITH SLOPING TOP	
C-8	STAIR NO. 2	5.7	0.6	6"	19"	32"	WALL HUNG WITH SLOPING TOP	
C-9	CORRIDOR NO. 3	5.7	0.6	6"	19"	32"	WALL HUNG WITH SLOPING TOP	

CAPACITIES BASED ON 190°F AVERAGE WATER TEMP. AND 65°F ENTERING AIR

HEATING HOT WATER PUMP SCHEDULE							
MARK NO.	SERVICE	CAPACITY GPM	HEAD FT.	RPM	APPROX. MOTOR HP	ELECTRICAL REQUIREMENTS	REMARKS
P-1, P-2	HEATING COILS	64	26	1750	1	460/3/60	CENT. IN-LINE
P-3	GALLERY HEATING	39	48	1750	1 1/2	460/3/60	CENT. IN-LINE
P-4, P-5	OPER. BLDG. HEATING	72	35	1750	1 1/2	460/3/60	CENT. IN-LINE

NOTE: P-2 IS STANDBY FOR P-1.
P-4 IS STANDBY FOR P-3 OR P-5.

RECORD DRAWING

DRAWN BY <i>n.a. ph</i>				DEPT. CHECK <i>R. L. Fabbal</i>				PROJ. CHECK <i>R. J. Marshall</i>			
NUMBER				DATE				MADE BY			
CHECKED BY				DESCRIPTION				REVISIONS			
1				2				3			
4				5				6			

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