

AIR COOLED ENVIRONMENTAL CONTROL UNIT SCHEDULE

ITEM#	AREA SERVED	COOLING CAPACITY @ 12°db, 60°wb, 50%RH		EVAPORATOR COIL DATA			FAN SECTION				COMPRESSOR		RE-HEAT SECTION			INFRARED HUMIDIFIER		DISPOSABLE FILTER		INDOOR UNIT (AHU)			OUTDOOR UNIT (CONDENSING)			ELEC. DATA			
		TOTAL BTU/HR	SENSIBLE BTU/HR	FACE AREA	ROWS	F.P.M.	NO.	G.F.M.	O.A.	E.S.P.	H.P.	NO. FANS	NO.	RE-FRIG	H.P.	BTU/HR	K.W.	STAGES	CAP. LBS./HR	K.W.	SIZE	DEPTH	MODEL NO.	CONDEN.	WEIGHT		MODEL NO.	NO. FAN	HP
AHU-1/ACCU-1	PROCEDURE ROOM ONE	12,200	10,600	2.1	3	440	1	500	80	325"	1/4	1	R-22	-	17,35	5.0	1	2-5	-	20"x20"	1"	OHS-012-HAHU	7/8"	140	OHS-012-RGU-0	1	1/4	155	208/1
AHU-2/ACCU-2	PROCEDURE ROOM TWO	12,200	10,600	2.1	3	440	1	500	80	325"	1/4	1	R-22	-	17,35	5.0	1	2-5	-	20"x20"	1"	OHS-012-HAHU	7/8"	140	OHS-012-RGU-0	1	1/4	155	208/1

NOTES:

- UNITS SHALL BE FURNISHED WITH THE FOLLOWING OPTIONS: HEATING/RE-HEATING CONTROL, ELECTRODE CANISTER STEAM HUMIDIFIER W/ STANDARD CONTROL, DEHUMIDIFICATION MODE WITH REHEAT, LOW AMBIENT DOWN TO -20°F.
- UNITS SHALL BE PROVIDED WITH CONDENSATE PUMP WITH INTEGRAL OVERFLOW SWITCH.

COOLING ONLY VARIABLE AIR VOLUME

ITEM #	AREA SERVED	TYPE OF CONTROLLER	CFM RANGE		MIN. APD	INLET SIZE	OUTLET SIZE	MODEL #	MANUFACTURER	REMARKS
			MAX.	MIN.						
①	WAITING SITE RECEPTION & BUSINESS OFFICE	AESV	1015	300	.16	10"φ	14"x12-1/2"	10	PHILLIPS INDUSTRIES	EXISTING
②	NURSE CONSULTANT & PREP/HOLDING	AESV	205	85	.13	5"φ	12"x8"	5	TITUS	NEW
③	PATIENT RECOVERY & NURSE WORK	AESV	385	145	.08	8"φ	12"x10"	8	PHILLIPS INDUSTRIES	EXISTING
④	FELLOWS	AESV	630	0	.045	10"φ	14"x12-1/2"	10	PHILLIPS INDUSTRIES	EXISTING
⑤	APN	AESV	520	0	.045	10"φ	14"x12-1/2"	10	PHILLIPS INDUSTRIES	RELOCATED
⑥	CONFERENCE ROOM	AESV	200	0	.044	6"φ	12"x8"	6	PHILLIPS INDUSTRIES	RELOCATED
⑦	CLEAN UTILITY & LOUNGE	AESV	280	80	.10	6"φ	12"x8"	6	PHILLIPS INDUSTRIES	EXISTING
⑧	PHYSICIAN & SOILED HOLDING	AESV	405	0	.03	12"φ	12"x8"	12	PHILLIPS INDUSTRIES	EXISTING
⑨	TREATMENT ROOMS & OFFICE	AESV	245	145	.04	8"φ	12"x10"	8	PHILLIPS INDUSTRIES	EXISTING

NOTE:

- CONTRACTOR TO FIELD VERIFY AND MATCH EXISTING CONTROLLER/THERMOSTAT IN THE FIELD FOR BOX ④. INTERLOCK WITH EXISTING BUILDING AUTOMATION SYSTEM AS REQUIRED.

MISCELLANEOUS HEATING SCHEDULE

ITEM#	AREA SERVED	HEATER TYPE	C.F.M.	K.W.	BTU/HR	ELEC. DATA	STEPS OF CONTROL	CONTROL	MANUFACTURER/ MODEL #
EH-1	TOILET ROOM	WALL HEATER FAN FORCED	100	1.0	3,413	120/1	1	INTEGRAL THERMOSTAT	GMARK/CHH-2101

FAN SCHEDULE

ITEM #	AREA SERVED	C.F.M.	E.S.P.	HP/WATTS	R.P.M.	CONTROL	ELEC. DATA	SONES	MODEL #	MFR.
F-1	JANITOR'S CLOSET	60	375"	10.71 W	1081	ENERGIZED 02:00-05:00 HOURS DE-ENERGIZED 05:00-08:00 HOURS	120/1	2.7	EC-140	COOK
F-2	SOILED HOLDING	110	450"	36.76 W	1142	ENERGIZED 02:00-05:00 HOURS DE-ENERGIZED 05:00-08:00 HOURS	120/1	3.4	EC-160	COOK
F-3	OXYGEN ROOM	100	500"	1/6 HP	1188	24-HOUR/DAY TIME CLOCK	120/1	11.6	80C3B	COOK

NOTE:

- MANUFACTURER FAN SELECTIONS SHALL INCLUDE EXTERNAL PRESSURE DROP AND FAN DRIVE LOSS.
- EACH FAN TO BE PROVIDED WITH ADJUSTABLE SPEED CONTROLLER, MOUNTED ON FAN HOUSING, FOR FINAL BALANCING.
- EXHAUST FAN F-3 TO HAVE EXPLOSION PROOF MOTOR, EXPLOSION PROOF DISCONNECT AND BACKDRAFT DAMPER. BACKDRAFT DAMPER TO BE MANUFACTURED BY COOK, MODEL #BD-12.

SEQUENCE OF OPERATIONS

SPLIT SYSTEM AHU UNITS

- DURING OCCUPIED PERIOD AS PROGRAMMED ON ASSOCIATED AHU THERMOSTAT, BLOWER FAN SHALL RUN CONTINUOUSLY AND OUTSIDE AIR DAMPERS OPEN.
- ON A CALL FOR HEATING, IF ALL SAFETIES ARE SENSED, THEN HEAT PUMP/ELECTRIC HEATER SHALL BE ENERGIZED, HEATER SHALL RUN UNTIL SETPOINT IS SATISFIED.
- ON A CALL FOR COOLING, THE UNIT MOUNTED CONTROLS SHALL ENERGIZE OUTDOOR COMPRESSOR (MECHANICAL COOLING) SHALL BE ENERGIZED. THE UNIT COOLING CYCLE SHALL RUN UNTIL SETPOINT IS SATISFIED.
- DURING NIGHT SETBACK PERIOD AS PROGRAMMED ON ASSOCIATED AHU UNIT THERMOSTAT, BLOWER FAN SHALL BE OFF AND OUTSIDE AIR DAMPERS SHUT. ON A CALL FOR HEATING OR COOLING, THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED AND THE FAN OR ASSOCIATED ELECTRIC HEATER OR COMPRESSOR SHALL CYCLE UNTIL SPACE SETPOINTS ARE SATISFIED.
- UNIT SHALL BE DE-ENERGIZED IF SMOKE DETECTOR SENSES SMOKE OR ANY SAFETY/CONTROL EXCEEDS ITS LIMITS.

EXHAUST FANS

- EXHAUST FAN (E-1 AND E-2) SHALL BE INTERLOCKED WITH TIME CLOCK. TOILET ROOM EXHAUST FAN SHALL BE ENERGIZED DURING OCCUPIED MODE AND DE-ENERGIZED DURING UNOCCUPIED MODE.
- EXHAUST FAN (E-3) SHALL BE ENERGIZED FOR 24-HOUR MODE.

MISCELLANEOUS HEAT

- WALL RECESSED FAN FORCED HEATER SHALL BE CONTROLLED VIA UNIT/FACTORY MOUNTED INTEGRAL THERMOSTAT. HEATER SHALL BE ENERGIZED UPON A CALL FOR HEAT. UPON REACHING SET POINT HEATER SHALL BE DE-ENERGIZED.

ELECTRIC WATER HEATER SCHEDULE

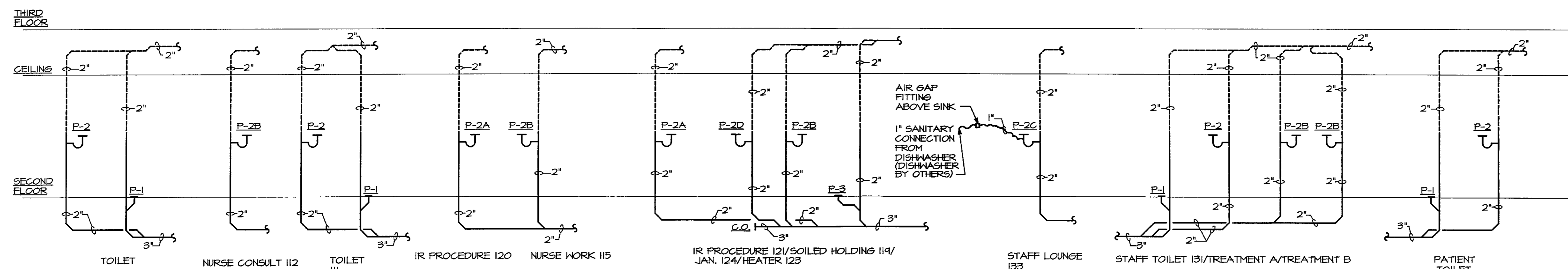
ITEM #	AREA SERVED	KW ELEMENT	SIZE HEIGHT x DIAMETER (IN x IN)	RECOVERY RATE (GPH)	TANK CAPACITY (GALLONS)	PIPE CONNECTIONS		ELEC. DATA	MANUFACTURER/ MODEL #
						INLET (IN)	OUTLET (IN)		
WH-1	JANITOR'S CLOSET, TOILET ROOM, ETC.	6.0	60-1/4" x 24"	30	30	1-1/4"	1-1/4"	208/1	STATE/ SB6 30 6IFE
WH-2	TOILET ROOM AND NURSE CONSULTANT	3.0	44" x 22"	15	6	3/4"	3/4"	271/1	STATE/ SB6 6 3IFE

NOTE:

- PROVIDE 80°F TEMPERATURE WATER RISE FOR 40°F ENTERING WATER TEMPERATURE.

PLUMBING FIXTURE SCHEDULE

ITEM #	DESCRIPTION	PIPE SIZES				TRAP TYPE	REMARKS
		C.W.	H.W.	SAN.	VENT		
P-1	WATER CLOSET	1/2"	-	4"	2"	INTEGRAL	HANDICAPPED
P-1A	BEDPAN CLEANER	1/2"	-	-	-	-	-
P-2	WALL HUNG SINK	1/2"	1/2"	2"	2"	"P"	HANDICAPPED
P-2A	PROCEDURE SINK	1/2"	1/2"	2"	2"	"P"	-
P-2B	NURSE/TREATMENT/SOILED WORK SINK	1/2"	1/2"	2"	2"	"P"	ONLY THE NURSE CONSULTANT SINK TO BE PROVIDED WITH EYE WASH
P-2C	LOUNGE SINK	1/2"	1/2"	2"	2"	"P"	-
P-2D	SCRUB SINK	1/2"	1/2"	2"	2"	"P"	-
P-3	JANITOR'S SINK	3/4"	3/4"	3"	2"	"P"	-
P-4	REFRIG. ICE MAKER	1/2"	-	-	-	-	-
P-5	COUNTERTOP COFFEE MAKER	1/2"	-	-	-	-	-



SANITARY RISER DIAGRAM
NO SCALE

SCHEDULES, RISER & SEQ. OF OPERATIONS

REV	DATE	REVISIONS DESCRIPTION

DRIVING NO. **M5**

SHEET 3 OF 6

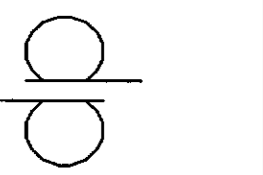
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