AIR HANDLING UNIT SCHEDULE

UNIT No.	FAN DUTY						COIL DUTY															ELECTRICAL	REMARKS
							COOLING									HEATING							
	MAX. CFM	MIN. CFM	MIN. O.A. CFM	TOTAL S.P.	HP	RPM	E.A.T. DB °F	E.A.T. WB °F	L.A.T. DB °F	L.A.T. WB °F	MBH SENS.	MBH TOTAL	GPM	MAX. WATER P.D.	MAX. AIR P.D.	E.A.T. °F	L.A.T. °F	MBH	GPM	MAX. WATER P.D.	MAX. AIR P.D.		
1	37,300	11,200	3,900	3.5	40	1090	82.0	65.7	54.4	53.7	1,163	1,457	270	15.0	0.6	58.9	85.0	1,051.5	105.0	10.0	0.10	480V – 3ø	
2	38,400	11,500	3,140	3.5	40	1120	78.8	64.4	54.4	53.7	1,057	1,300	245	15.0	0.6	58.9	85.0	1,082.5	120.0	10.0	0.10	480V – 3ø	
3	18,400	5,500	1,310	3.0	20	1350	79.3	64.7	55.1	54.5	502	597	120	19.0	0.4	58.9	85.0	518.7	52.0	5.0	0.10	480V – 3ø	
4	3,120	3,120	310	1.5	2	980	79.5	65.3	55.1	54.5	90.5	126.8	–	–	0.4	59.5	100.0	135.2	15.0	5.0	0.10	480V – 3ø	
5	1,730	1,730	500	1.75	1–1/2	1170	84.2	68.7	55.5	54.8	54.3	74.8	15.0	5.0	0.9	49.1	80.0	57.8	6.0	5.0	0.10	480V – 3ø	
6	1,730	1,730	500	1.75	1–1/2	1170	84.2	68.7	55.5	54.8	54.3	74.8	15.0	5.0	0.9	49.1	80.0	57.8	6.0	5.0	0.10	480V – 3ø	
7	2,280	2,280	300	1.5	1–1/2	1200	80.8	65.9	55.1	54.5	70.8	100.0	–	–	0.5	59.1	100.0	100.8	10.0	5.0	0.10	480V – 3ø	

NOTE: COOLING CAPACITIES BASED ON 45° F EWT AND 55° F LWT
HEATING CAPACITIES BASED ON 180° F EWT AND 160° F LWT

PLUMBING FIXTURE SCHEDULE

DESIGN	FIXTURE	H.W.	C.W.	SAN.	VENT	REMARKS
P–1	WATER CLOSET	–	1–1/2	4	2	
P–1a	WATER CLOSET	–	1–1/2	4	2	HANDICAPPED
P–2	URINAL	–	1	2	2	
P–3	LAVATORY	1/2	1/2	1–1/2	1–1/2	COUNTER TOP
P–3a	LAVATORY	1/2	1/2	1–1/2	1–1/2	HANDICAPPED
P–3b	LAVATORY	1/2	1/2	1–1/2	1–1/2	WALL HUNG
P–4	KITCHEN	1/2	1/2	1–1/2	1–1/2	
P–5	SHOWER	1/2	1/2	2	1–1/2	
P–6	JAN. SINK	3/4	3/4	3	2	
P–7	W.C. LAV.	1/2	1–1/2	4	2	INSTITUTIONAL
P–8	WATER COOLER	–	1/2	1–1/2	1–1/2	HANDICAPPED

PUMP SCHEDULE

No.	LOCATION	DUTY	TYPE	GPM	HEAD FT. H_2O	HP	RPM	ELECTRICAL	REMARKS
1	MECH. RM.	CONDENSER	END SUCTION	780	75	20	1750	480V – 3ø	
2	MECH. RM.	CONDENSER	END SUCTION	780	75	20	1750	480V – 3ø	STAND–BY
3	MECH. RM.	CHILLED WTR	END SUCTION	625	100	25	1750	480V – 3ø	
4	MECH. RM.	CHILLED WTR	END SUCTION	625	100	25	1750	480V – 3ø	STAND–BY
5	MECH. RM.	HEATING	END SUCTION	440	75	15	1750	480V – 3ø	
6	MECH. RM.	HEATING	END SUCTION	440	75	15	1750	480V – 3ø	STAND–BY
7	ELEV. PIT	STORM WATER	SUBMERSIBLE	20	20	1/3	1750	120V – 1ø	
8	MECH. RM.	FIRE PUMP	SPLIT CASE	750	75 PSI	50	1750	480V – 3ø	
9	MECH. RM.	JOCKEY PUMP	END SUCTION	5	85 PSI	3/4	3500	480V – 3ø	
10	MECH. RM.	CIRC. PUMP	IN–LINE	10	50	1	1750	480V – 3ø	
11									

HEATING COIL SCHEDULE

⬡ No.	CFM	MBH	GPM	ΔT (°F)	SIZE	REMARKS
1	250	12.2	1.5	45	12x10	
2	220	10.7	1.5	45	12x10	
4	320	15.6	2.0	45	12x10	
8	450	21.9	2.5	45	18x10	
10	120	5.8	1.0	45	12x10	
13	480	23.3	2.5	45	18x10	
14	300	14.6	1.5	45	18x10	
16	310	15.1	1.5	45	12x10	
18	530	25.8	3.0	45	22x12	
22	400	19.5	2.0	45	18x10	
23	490	23.9	2.5	45	18x10	
24	300	14.6	1.5	45	12x10	
25	200	9.8	1.0	45	12x10	
26	310	15.1	2.0	45	12x10	
27	440	21.4	2.5	45	18x10	
28	350	17.1	2.0	45	12x10	
29	450	21.9	2.5	45	12x10	
34	540	26.3	3.0	45	18x10	
35	130	6.4	1.0	45	12x10	
41	440	21.4	2.5	45	18x10	
42	250	12.2	1.5	45	12x10	
43	490	23.9	2.5	45	22x12	
44	410	20.0	2.0	45	12x10	
46	440	21.4	2.5	45	22x12	
50	540	26.3	3.0	45	22x12	
52	530	25.8	3.0	45	26x12	
54	370	18.0	2.0	45	12x10	
55	330	16.1	2.0	45	18x10	
57	550	26.8	3.0	45	26x12	
58	440	21.4	2.5	45	22x12	
60	520	25.3	3.0	45	26x12	
62	510	24.8	2.5	45	26x12	
64	550	26.8	3.0	45	26x12	
67	600	29.2	3.0	45	32x12	
68	260	12.7	1.5	45	18x10	
69	240	11.7	1.5	45	12x10	
70	360	29.3	3.0	45	18x10	
74	300	14.6	1.5	45	18x10	
75	330	16.1	2.0	45	18x10	
76	500	24.3	2.5	45	26x12	
77	770	37.5	4.0	45	26x12	
78	530	25.8	3.0	45	22x12	
79	220	10.8	1.5	45	12x10	
80	70	3.4	0.5	45	12x10	
81	190	9.3	1.0	45	12x10	
84	390	19.0	2.0	45	18x10	
85	630	30.7	3.5	45	26x12	
89	630	30.7	3.5	45	22x12	
91	360	29.8	3.0	45	12x10	
92	240	11.7	1.5	45	12x10	
93	260	12.7	1.5	45	18x10	
94	620	30.1	3.5	45	22x12	

NOTE: CAPACITIES BASED ON 180° F EWT AND 160° F LWT

FAN SCHEDULE

No.	LOCATION	DUTY	TYPE	CFM	S.P.	HP	RPM	ELECTRICAL	REMARKS
1	MECH. RM.	RETURN	IN–LINE	33400	2.0	25	690	480V–3ø	
2	MECH. RM.	RETURN	IN–LINE	35260	2.0	25	720	480V–3ø	
3	MECH. RM.	RETURN	IN–LINE	17090	1.0	5	750	480V–3ø	
4	ROOF	EXHAUST	CENTRIFUGAL ROOF	1300	0.5	1/3	1750	115V–1ø	
5	BATHROOM	EXHAUST	CABINET	100	0.5	1/5	1050	115V–1ø	
6	BATHROOM	EXHAUST	CABINET	100	0.5	1/5	1050	115V–1ø	
7	ROOF	EXHAUST	CENTRIFUGAL ROOF	3710	0.75	1	730	480V–3ø	
8	ROOF	EXHAUST	UTILITY SET	40000	2.0	30	700	480V–3ø	
9	BATHROOM	EXHAUST	CABINET	100	0.5	1/5	1050	115V–1ø	
10	BATHROOM	EXHAUST	CABINET	100	0.5	1/5	1050	115V–1ø	
11	BATHROOM	EXHAUST	CABINET	100	0.5	1/5	1050	115V–1ø	
12	BATHROOM	EXHAUST	CABINET	100	0.5	1/5	1050	115V–1ø	
13	BATHROOM	EXHAUST	CABINET	100	0.5	1/5	1050	115V–1ø	
14	MECH. RM.	EXHAUST	IN–LINE	31000	0.75	15	732	480V–3ø	
15	D.C. STORAGE	EXHAUST	IN–LINE	490	0.5	1/4	1050	115V–1ø	
16	MAINTENANCE	EXHAUST	IN–LINE	730	0.5	1/4	1140	115V–1ø	
17	MECH. RM.	EXHAUST	PROPELLER WALL	5150	0.5	1	990	480V–3ø	
18	ELEC. RM	EXHAUST	PROPELLER WALL	1500	0.5	1/3	860	480V–3ø	
19	MECH. RM.	SUPPLY	UTILITY SET	30,000	2	20	720	480V–3ø	
20	STORAGE RM.	EXHAUST	PROPELLER WALL	600	.375	1/3	1050	115V–1ø	
21	ELEV. ROOM	EXHAUST	PROPELLER WALL	5000	.375	1	950	480V–3ø	
22	BATHROOM	EXHAUST	CABINET	100	0.5	1/3	1050	115V–1ø	
23	GEN. ROOM	EXHAUST	CENTRIFUGAL ROOF	21,500	1.0	7.5	675	480V–3ø	
24	BATHROOM	EXHAUST	CABINET	100	0.5	1/3	1050	115V–1ø	

CABINET AND UNIT HEATER SCHEDULE

No.	TYPE	CFM	MBH	GPM	MAX. P.D. FT. H20	H.P.	ELECTRICAL	REMARKS
1	HORIZONTAL	310	4.5	0.5	0.07	1/25	115V–1ø	
2	HORIZONTAL	310	9.5	1.0	0.07	1/25	115V–1ø	
3	HORIZONTAL	510	19.5	2.0	0.20	1/20	115V–1ø	
4	HORIZONTAL	350	10.2	–	–	1/25	208V–3ø	ELECT. 3KW
5	CABINET	500	20.5	–	–	1/8	480V–3ø	ELECT. 6KW
6	CABINET	100	5.1	–	–	–	208V–3ø	ELECT. 1.5KW

NOTE: CAPACITIES BASED ON 180° F EWT AND 160° F LWT

CONVECTOR SCHEDULE

No.	MBH	GPM	LENGTH INCHES	HEIGHT INCHES	DEPTH INCHES	REMARKS
1	4.0	0.5	32	32	6	SEMI–RECESSED
2	7.5	1.0	50	38	6	SEMI–RECESSED

NOTE: CAPACITIES BASED ON 180° F EWT AND 160° F LWT

ELECTRIC DUCT HEATER SCHEDULE

No.	CFM	BTUH	KW	ΔT °F	SIZE	ELECTRICAL	REMARKS
1	1730	37,400	11.0	20	20x14	480V–3ø	
2	1730	37,400	11.0	20	20x14	480V–3ø	
3	470	17,800	5.2	35	14x6	480V–3ø	
4	300	11,300	3.4	35	12x6	480V–3ø	
5	100	3,800	1.1	35	6x6	115V–1ø	
6	230	8,700	2.6	35	10x6	277V–1ø	
7	170	6,500	1.9	35	6x8	277V–1ø	
8	300	11,300	3.4	35	12x6	480V–3ø	
9	80	3,000	0.9	35	6x6	115V–1ø	

AIR DEVICE SCHEDULE

⬡ No.	CFM	FACE SIZE	NECK SIZE	TYPE	REMARKS
1	90		6"ø	4'–0" SLOT	
2	140		8"ø	4'–0" SLOT	
3	100		8"ø	4'–0" SLOT	
4	190	24x24	8"ø		
5	130		8"ø	4'–0" SLOT	
6	190		8"ø	4'–0" SLOT	
7	160		8"ø	4'–0" SLOT	
8	220		8"ø	4'–0" SLOT	
9	90	24x24	6"ø		
10	180	24x24	8"ø		
11	140	24x24	6"ø		
12	130	24x24	6"ø		
13	350	24x24	12"ø		
14	150		8"ø	4'–0" SLOT	
15	–	24x24	16x16		TRANSFER
16	230	24x24	8"ø		
17	120		6"ø	4'–0" SLOT	
18	100	24x24	6"ø		
19	170	24x24	8"ø		
20	120	24x24	6"ø		
21	50	24x24	6"ø		
22	210		8"ø	4'–0" SLOT	
23	180		8"ø	4'–0" SLOT	
24	260	24x24	10"ø		
25	250	24x24	10"ø		
26	170		8"ø	4'–0" SLOT	
27	60	24x24	6"ø		
28	80	24x24	6"ø		
29	200	24x24	8"ø		
30	110	24x24	6"ø		
31	150	24x24	6"ø		
32	–	24x24	12x12		TRANSFER
33	220	24x24	8"ø		
34	200		8"ø	4'–0" SLOT	
35	160	24x24	8"ø		
36	210	24x24	8"ø		
37	250		10"ø	SIDEWALL	
38	270		10"ø	4'–0" SLOT	
39	350		12"ø	4'–0" SLOT	
40	280		10"ø	4'–0" SLOT	
41	240	24x24	10"ø		
42	300		10"ø	4'–0" SLOT	
43	230		8"ø	4'–0" SLOT	
44	340		12"ø	4'–0" SLOT	
45	260		10"ø	4'–0" SLOT	
46	240		10"ø	4'–0" SLOT	
47	370	24x24	12"ø		
48	250		10"ø	4'–0" SLOT	
49	210		8"ø	SIDEWALL	
50	410	24x24	12"ø		
51	340	24x24	12"ø		
52	270	24x24	10"ø		
53	60	24x24	6"ø		
54	620			SIDEWALL	
55	30,000	60x60	60x60	SIDEWALL	
56	70	24x24	6"ø		
57	310	24x24	10"ø		
58	320		10"ø	4'–0" SLOT	
59	80		6"ø	4'–0" SLOT	

VAV CONTROL UNIT SCHEDULE

⬡ No.	MAX. COOLING CFM	MAX. HEATING CFM	MIN. CFM	INLET SIZE	TOTAL P.D.	REMARKS
1	370	250	90	8"ø	0.20	WITH HEATING COIL
2	300	220	80	6"ø	0.25	WITH HEATING COIL
3	890		220	10"ø	0.10	
4	650	320	160	8"ø	0.50	WITH HEATING COIL
5	800	–	200	10"ø	0.10	
6	780	–	190	10"ø	0.10	
7	350	–	90	6"ø	0.12	
8	1000	450	250	10"ø	0.48	WITH HEATING COIL
9	1760	–	440	14"ø	0.10	
10	480	120	120	8"ø	0.24	WITH HEATING COIL
11	1380	–	350	12"ø	0.10	
12	640	–	160	8"ø	0.12	
13	1080	480	270	10"ø	0.55	WITH HEATING COIL
14	940	300	240	10"ø	0.45	WITH HEATING COIL
15	1140	–	290	12"ø	0.10	
16	310	420	80	6"ø	0.27	WITH HEATING COIL
17	1860	–	470	14"ø	0.10	
18	1200	530	300	12"ø	0.40	WITH HEATING COIL
19	1,000	–	250	10"ø	0.10	
20	860	–	220	10"ø	0.10	
21	1230	–	310	12"ø	0.10	
22	870	400	220	10"ø	0.40	WITH HEATING COIL
23	960	490	240	10"ø	0.48	WITH HEATING COIL
24	680	300	170	8"ø	0.50	WITH HEATING COIL
25	300	200	80	6"ø	0.26	WITH HEATING COIL
26	410	310	100	6"ø	0.42	WITH HEATING COIL
27	790	440	200	10"ø	0.32	WITH HEATING COIL
28	680	350	170	8"ø	0.50	WITH HEATING COIL
29	550	450	170	8"ø	0.36	WITH HEATING COIL
30	700	–	180	8"ø	0.14	
31	1,110	–	280	12"ø	0.10	
32	390	–	100	6"ø	0.14	
33	820	–	210	10"ø	0.10	
34	740	540	190	10"ø	0.32	WITH HEATING COIL
35	180	130	50	5"ø	0.15	WITH HEATING COIL
36	930	–	230	10"ø	0.10	
37	1,500	–	380	14"ø	0.10	
38	620	–	160	8"ø	0.12	
39	1,770	–	440	14"ø	0.10	
40	260	–	70	6"ø	0.05	
41	980	440	250	10"ø	0.46	WITH HEATING COIL
42	340	250	90	6"ø	0.31	WITH HEATING COIL
43	1,240	490	310	12"ø	0.39	WITH HEATING COIL
44	620	410	160	8"ø	0.48	WITH HEATING COIL
45	340	–	90	6"ø	0.12	
46	1,120	440	280	12"ø	0.35	WITH HEATING COIL
47	730	–	180	8"ø	0.15	
48	320	–	80	6"ø	0.12	
49	1,320	–	330	12"ø	0.10	
50	1170	540	300	12"ø	0.38	WITH HEATING COIL
51	830	–	210	10"ø	0.10	
52	1,320	530	330	14"ø	0.30	WITH HEATING COIL
53	1,200	–	300	12"ø	0.10	
54	510	370	130	8"ø	0.33	WITH HEATING COIL
55	600	330	150	8"ø	0.39	WITH HEATING COIL
56	1,120	–	280	12"ø	0.10	
57	1,460	550	370	14"ø	0.39	WITH HEATING COIL
58	1,180	440	300	12"ø	0.32	WITH HEATING COIL
59	1,080	–	270	12"ø	0.10	
60	1,420	520	360	14"ø	0.39	WITH HEATING COIL
61	280	–	70	6"ø	0.10	
62	1,400	510	350	14"ø	0.38	WITH HEATING COIL
63	810	–	200	10"ø	0.10	
64	1,440	550	360	14"ø	0.40	WITH HEATING COIL
65	1,150	–	290	12"ø	0.10	
66	300	–	80	6"ø	0.10	
67	1,950	600	490	16"ø	0.47	WITH HEATING COIL
68	750	260	190	8"ø	0.28	WITH HEATING COIL
69	500	240	130	8"ø	0.29	WITH HEATING COIL
70	840	360	210	10"ø	0.34	WITH HEATING COIL
71	480	–	120	8"ø	0.10	
72	1,950	–	490	16"ø	0.10	
73	1,020	–	260	12"ø	0.10	
74	800	300	200	10"ø	0.31	WITH HEATING COIL
75	880	330	220	10"ø	0.37	WITH HEATING COIL
76	1,550	500	390	14"ø	0.40	WITH HEATING COIL
77	1,650	770	410	14"ø	0.44	WITH HEATING COIL
78	1,010	530	250	12"ø	0.25	WITH HEATING COIL
79	480	220	120	8"ø	0.24	WITH HEATING COIL
80	210	70	50	5"ø	0.20	WITH HEATING COIL
81	630	190	160	8"ø	0.40	WITH HEATING COIL
82	1,850	–	460	14"ø	0.10	
83	1,380	–	350	12"ø	0.10	
84	910	390	230	10"ø	0.42	WITH HEATING COIL
85	1,320	630	330	14"ø	0.30	WITH HEATING COIL
86	200	–	50	5"ø	0.12	
87	1,420	–	360	14"ø	0.10	
88	1,280	–	320	12"ø	0.10	
89	1,210	630	300	12"ø	0.36	WITH HEATING COIL
90	690	–	170	8"ø	0.14	
91	720	360	180	8"ø	0.50	WITH HEATING COIL
92	470	240	120	8"ø	0.24	WITH HEATING COIL
93	880	260	220	10"ø	0.38	WITH HEATING COIL
94	1260	620	340	12"ø	0.40	WITH HEATING COIL
95	1810	–	450	14"ø	0.10	
96	590	–	150	8"ø	0.10	
97	830	–	210	10"ø	0.10	
98	500	–	130	8"ø	0.10	
99	250	–	60	6"ø	0.10	
100	150	–	40	5"ø	0.10	
101	900	–	230	10"ø	0.10	
102	540	–	140	8"ø	0.10	

Hord Coplan Macht
Architects
Landscape Architects
Interior Designers
2526 St. Paul Street
Baltimore, Maryland
21218 • 301-467-7011

RIPARIUS CONSTRUCTION, INC.
SUITE 230
PADONIA ROAD WEST
TIMONIUM, MARYLAND 21093
301–561–5368

SEAL

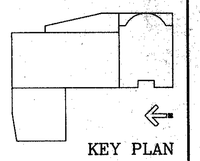
SALISBURY DISTRICT COURT/
MULTI–SERVICE CENTER

WICOMICO COUNTY
201 BAPTIST STREET
SALISBURY, MARYLAND 21801

DEPARTMENT OF GENERAL SERVICES
APPROVAL
PROJECT ADMINISTRATOR — DATE
DIRECTOR, ENGR. & CONSTRUCTION — DATE

USING AGENCY
APPROVAL
TITLE — DATE

CONSULTANTS :
McCRONE
Civil Engineers/Planners/Surveyors
GEORGE EVANS ASSOCIATES,INC.
Structural Engineers
GIPE ASSOCIATES, INC.
Mechanical/Electrical Engineers



KEY PLAN

REVISION - 3-8-90

REVISED

SHEET TITLE

SCHEDULES

HCM NO.89022
DRAWN R.A.W.
SCALE AS NOTED
DATE 12-22-89
DRAWING

M–16