

AIR HANDLING UNIT SCHEDULE																									
MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	AIR FLOW	AIR FLOW				SUPPLY FAN MARK	RETURN OR RELIEF FAN MARK	EXHAUST FAN MARK	PREHEATER MARK	AFTER FILTER MARK	FINAL FILTER MARK	HEAT RECOVERY MARK	PREHEAT COIL MARK	COOLING COIL MARK	REFLECT COIL	HUMIDIFIER MARK	REMARKS					
					SUPPLY		MIN OA														RETURN				
					CFM	US	CFM	US														US			
AHU-1	112	OFFICES	CUSTOM	VAW	20000	[3000]	6000	[280]	20000	[3000]	SE-1	N/A	EF-1	N/A	EF-1	PF-1	AF-1	N/A	AHR-1	PHWC-1	CMCC-1	N/A	N/A	.....	
AHU-2		OFFICES	CUSTOM	VAW	20000	[3000]	6000	[280]	20000	[3000]	SE-2	N/A	EF-2	N/A	EF-2	PF-2	AF-2	N/A	AHR-2	PHWC-2	CMCC-2	N/A	N/A	.....	
MEZZANINE			CUSTOM	VAW	20000	[3000]	6000	[280]	20000	[3000]	SE-2	N/A	EF-2	N/A	EF-2	PF-2	AF-2	N/A	AHR-2	PHWC-2	CMCC-2	N/A	N/A	.....	
RT-1	ROOF	WAREHOUSE	CUSTOM	CV	14000	[16000]	6400	[400]	14000	[16000]	SE-3	N/A	N/A	N/A	N/A	PF-3	AF-3	N/A	N/A	UPSC-1	N/A	N/A	N/A	N/A	TYPE OF A UNIT RT-A, RT-B, RT-C, RT-D
RT-2	ROOF	WAREHOUSE	CUSTOM	CV	26000	[19000]	6400	[400]	26000	[19000]	SE-4	N/A	N/A	N/A	N/A	PF-4	AF-4	N/A	N/A	N/A	UPSC-2	N/A	N/A	N/A	.....
RT-3	ROOF	PH-OFFICES	CUSTOM	CV	6000	[2800]	1680	[320]	1680	[320]	SE-5	N/A	N/A	N/A	N/A	PF-5	AF-5	N/A	AHR-3	N/A	CMCC-3	N/A	N/A	N/A	.....
RT-4	ROOF	2ND FLR	CUSTOM	VAW	10200	[1400]	3060	[1400]	10200	[1400]	SE-6	N/A	N/A	N/A	N/A	PF-6	AF-6	N/A	AHR-4	UPSC-3	CMCC-4	N/A	N/A	Units from existing unit	
RT-5	ROOF	CONF ROOMS	CUSTOM	VAW	3600	[1700]	1080	[510]	3600	[1700]	SE-7	N/A	N/A	N/A	N/A	PF-7	AF-7	N/A	N/A	UPSC-4	CMCC-5	N/A	N/A	.....	
RT-6	ROOF	MAINT RMS	CUSTOM	VAW	8000	[3800]	2400	[1100]	8000	[3800]	SE-8	N/A	N/A	N/A	N/A	PF-8	AF-8	N/A	N/A	UPSC-5	CMCC-6	N/A	N/A	.....	
RT-7	ROOF	FBI	CUSTOM	VAW	8000	[3800]	2400	[1100]	8000	[3800]	SE-9	N/A	N/A	N/A	N/A	PF-9	AF-9	N/A	AHR-4	N/A	CMCC-7	N/A	N/A	.....	
RT-8	ROOF	SOUTH OFFICES	CUSTOM	VAW	2400	[1100]	500	[240]	2400	[1100]	SE-10	N/A	N/A	N/A	N/A	PF-10	AF-10	N/A	AHR-5	UPSC-6	CMCC-8	N/A	N/A	.....	

CHILLED WATER COOLING COIL SCHEDULE																										
MARKER	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM SERVICE	AIR FLOW	MAX FACE VELOCITY	AFO	EAT				LAT				TOTAL CAPACITY	SENSIBLE CAPACITY		FLOW		CHILLED WATER		REMARKS				
							DB		WB		DB		WB			MMBtU	GPM	°F	°C	LMT	FPT					
							°F	°C	°F	°C	°F	°C	°F	°C												
CW-0-1	112	OFFICES	HA-1	3000	466	121	67	67	55	133	54	132	70496	122001	56400	144	171	44	171	60	156	13.3	41	40% Evaporator Output		
CW-0-2	MEZANINE	OFFICES	HA-2	2000	3400	466	121	67	119	55	133	54	132	70496	122001	56400	144	171	44	171	60	156	13.3	41	40% Evaporator Output	
CW-0-3	ROOF	PM	PM	1000	1200	471	121	67	119	55	133	54	132	22310	165001	16400	47001	44	171	60	156	17.1	15.1	41	40% Evaporator Output	
CW-0-4	ROOF	2ND FLS	RT-4	1000	1300	392	121	67	119	55	133	54	132	30700	110000	28700	45000	38	141	44	171	60	156	20.3	41	40% Evaporator Output
CW-0-5	ROOF	CORR ROADS	RT-6	3000	1300	460	121	67	119	55	133	54	132	134500	130001	10700	130001	21	131	44	171	60	156	15.4	31	40% Evaporator Output
CW-0-6	ROOF	1000T BUS	RT-6	8000	1100	418	121	67	119	55	133	54	132	30300	22350	18000	46	131	44	171	60	156	14	14.1	41	40% Evaporator Output
CW-0-7	ROOF	PM	RT-7	8000	1300	440	121	67	119	55	133	54	132	29500	18001	22700	16000	43	131	44	171	60	156	14.5	41	40% Evaporator Output
CW-0-8	ROOF	NAT OFFICES	RT-8	3400	1400	422	121	67	119	55	133	55	133	88700	126001	66800	120001	14	131	44	171	60	156	9	31	40% Evaporator Output

HOT WATER HEATING COIL SCHEDULE																					
MARK	LOCATION	AREA AND/OR BLOS SERVED	SYSTEM AND/OR SERVICE	APPLICATION	APD	TEMPERATURES										% GYCOL	REMARKS				
						AIR FLOW		MAX FACE VELOCITY	TOTAL MIN CAPACITY				FLOW		EWT			LWT		WPD	
						CFM	[f/s]		IN/NG	[Pa]	°F	[°C]	M/H	[W]	GPM			[L/s]	°F		[°C]

HWMC-2	MEZZANINE	OFFICES	HAU-2	HEAT	20000	460	12	0.2	150	61	1161	105	1411	882	34001	95	61	160	1711	140	190	10	130	0	
HWMC-3	150M	150A,150A,151,151, STC	WAU-1E	REHEAT	1800	460	12	0.2	150	61	1161	105	1411	86	3390	8.6	11	160	1711	140	190	10	130	0	
HWMC-4	150M	150M,152,152A	WAU-2E	REHEAT	1700	380	460	12	0.2	150	61	1161	105	1411	36	1201	3.6	11	160	1711	140	190	10	130	0
HWMC-5	100M	CORRIDOR	WAU-2E	REHEAT	1215	140	460	12	0.2	150	61	1161	105	1411	4.8	11	160	1711	140	190	10	130	0		
HWMC-6	100M	125A,125B,125B,125B,125B	WAU-2E	REHEAT	2045	1100	460	12	0.2	150	61	1161	105	1411	107	1390	10.7	11	160	1711	140	190	10	130	0
HWMC-7	125C	125C,133,134,138	WAU-2E	REHEAT	2140	1000	460	12	0.2	150	61	1161	105	1411	102	1390	10.2	11	160	1711	140	190	10	130	0
HWMC-8	PHOTO CONF	PHOTO CONF	WAU-2E	REHEAT	800	380	400	1180	0.2	150	61	1161	105	1411	38	1193	3.8	11	160	1711	140	190	10	130	0
HWMC-9			WAU-5A	HEAT	1100	150	460	12	0.2	150	61	1161	105	1411	52	1180	5.2	11	160	1711	140	190	10	130	0
HWMC-10			WAU-5A	HEAT	200	184	460	12	0.2	150	61	1161	105	1411	10	1321	1.0	11	160	1711	140	190	10	130	0
HWMC-11		MAIL ROOM	WAU-5S	HEAT	205	194	460	12	0.2	150	61	1161	105	1411	10	1321	1.0	11	160	1711	140	190	10	130	0
HWMC-12			WAU-5S	HEAT	1161	460	12	0.2	150	61	1161	105	1411	19	1551	1.9	11	160	1711	140	190	10	130	0	
HWMC-13			WAU-5S	HEAT	1000	1670	460	12	0.2	150	61	1161	105	1411	48	1180	4.8	11	160	1711	140	190	10	130	0
HWMC-14			WAU-5S	HEAT	1000	1670	460	12	0.2	150	61	1161	105	1411	48	1180	4.8	11	160	1711	140	190	10	130	0
HWMC-15			WAU-5S	HEAT	300	1461	460	12	0.2	150	61	1161	105	1411	14	1461	1.4	11	160	1711	140	190	10	130	0
HWMC-16			WAU-61	HEAT	1065	1280	460	12	0.2	150	61	1161	105	1411	29	1697	2.9	11	160	1711	140	190	10	130	0
HWMC-17			WAU-61	HEAT	1065	1500	460	12	0.2	150	61	1161	105	1411	51	1703	5.1	11	160	1711	140	190	10	130	0
HWMC-18			WAU-62	HEAT	1065	1500	460	12	0.2	150	61	1161	105	1411	51	1703	5.1	11	160	1711	140	190	10	130	0



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FAN SCHEDULE																				
MARK	LOCATION	SYSTEM AND/OR SERVICE	NUMBER OF FANS	FAN										MOTOR ELECTRICAL					REMARKS	
				AIR FLOW		TSP	TYPE	WHEEL	CLASS	ARRANGEMENT LOCATION AND DISCHARGE	DIAMETER		MIN EFF	DRIVE	FAN		NOMINAL			SPEED CONTROL
				CFM	IN						IN	IN			MAX BHP	HP	PHASE	VOLT		
1-SP1	112	1-AHU1	2	2000	5.62	PLENUM	AIRCOL	II	ARR 4 C/VORATION	24.5	73%	DIRECT	1869	12.83	15	3	460	1750	VARIABLE	12 Bkops
1-SP2	MEZZANINE	1-AHU2	2	2000	5.62	PLENUM	AIRCOL	II	ARR 4 C/VORATION	24.5	73%	DIRECT	1869	12.83	15	3	460	1750	VARIABLE	12 Bkops
1-SP3	ROOF	RT-1A,B,C,D	1	14000	2.01	PLENUM	AIRCOL	II	ARR 3 C/VORATION	33	73%	BELT	943	6.9	10	3	460	1750	CONSTANT	12 Bkops
1-SP4	ROOF	RT-2	1	2800	2.06	PLENUM	AIRCOL	II	ARR 3 C/VORATION	44.5	73%	BELT	758	15	20	3	460	1750	CONSTANT	12 Bkops
1-SP5	ROOF	RT-3	1	800	4.72	PLENUM	AIRCOL	II	ARR 3 C/VORATION	18	73%	BELT	2529	6.9	10	3	460	1750	CONSTANT	12 Bkops
1-SP6	ROOF	RT-4	1	10,280	4.2	DVCI	AIRCOL	II	ARR 3 C/VORATION	20	65%	BELT	2265	11.7	15	3	460	1750	VARIABLE	9 Bkops
1-SP7	ROOF	RT-5	1	3600	3.01	PLENUM	AIRCOL	II	ARR 3 C/VORATION	15	60%	BELT	2805	2.83	5	3	460	1750	VARIABLE	12 Bkops
1-SP8	ROOF	RT-6	1	8000	3.41	PLENUM	AIRCOL	II	ARR 3 C/VORATION	22	73%	BELT	1815	6.8	10	3	460	1750	VARIABLE	12 Bkops
1-SP9	ROOF	RT-7	1	8000	4.69	PLENUM	AIRCOL	II	ARR 3 C/VORATION	20	74%	BELT	2439	9.5	15	3	460	1750	VARIABLE	12 Bkops
1-SP10	ROOF	RT-8	1	2400	2.69	PLENUM	AIRCOL	II	ARR 4 C/VORATION	13.5	73%	BELT	2875	1.78	3	3	460	1750	VARIABLE	9 Bkops
1-SP11	112	1-AHU1	2	2000	2.65	PLENUM	AIRCOL	II	ARR 4 C/VORATION	22.25	65%	DIRECT	2007	8.08	10	3	460	1750	VARIABLE	12 Bkops
1-SP12	MEZZANINE	1-AHU2	2	2000	2.65	PLENUM	AIRCOL	II	ARR 4 C/VORATION	22.25	65%	DIRECT	2007	8.08	10	3	460	1750	VARIABLE	12 Bkops
1-SP13	ROOF	RT-3	1	8000	3.17	PLENUM	AIRCOL	II	ARR 4 C/VORATION	18	55%	DIRECT	2340	5.1	7.5	3	460	1750	VARIABLE	12 Bkops
1-SP14	ROOF	RT-4	1	10200	0.75	PLENUM	AIRCOL	II	ARR3	24.5	BELT	1524	5.67	7.5	3	460	1750	VARIABLE	9 Bkops	
1-SP5	ROOF	RT-7	1	8000	3.57	PLENUM	AIRCOL	II	ARR4	20	DIRECT	2265	7.36	10	3	460	1750	VARIABLE	12 Bkops	
EF-1	MECH RM	EXHAUST	1	700 MM 2800 MAX	0.5	CENTRIFUGAL	B1	N/A	-	15	32%	BELT	1365	0.675	1.5	460	3	1725	TWO SPEED	1, 2, 3, 4
EF-2	WAREHOUSE	EXHAUST	1	8000	0.25	PROPPELLER	-	N/A	-	24	32%	BELT	1683	2.12	3	460	3	1725	TWO SPEED	1, 2, 3, 4, 5
NOTE																				

1. PROVIDE VARIABLE FREQUENCY DRIVE TO ESTABLISH 2 OPERATING CONDITIONS, 700 CFM AND 2800 CFM.
2. SQUARE CENTRIFUGAL INLINE BELT DRIVE FAN WITH 5 STRAIGHTENING VANES, HINGED ACCESS DOOR.
3. PROVIDE WITH GRAVITY BACKCRAFT DAMPER AND SPRING ISOLATORS FOR HORIZONTAL AIRFLOW SUSPENDED MOUNTING.
4. ALL SELECTIONS ARE BASED ON AN ALTITUDE OF 820 FEET ABOVE SEA LEVEL.
5. PROVIDE MOTORIZED SHUTTER.

## HEAT WHEEL AIR TO AIR HEAT EXCHANGER SCHEDULE

[illegible]

 Department of Water and Sanitation	Office of Construction and Facilities Management	Project Number 796-1-007/06-H-004/ 12-01-00		Drawing Title <b>BUILDING 37 - MECHANICAL SCHEDULES</b>		 Department of Water and Sanitation		
		Building Number 37		Approved Project Director				
		Location Building and operation center HINES BUILDING 37 REPLACE/UPGRADE HVAC UNITS PHASES 1, 2, AND 3		Date 12-04-12			Checked J.K	Drawn J.K
		Drawing Number <b>37 - M813</b>		Date 46 of 58				