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Contents:
 HVAC SCHEDULES

M600

CONTROL FUNCTIONS	
A.	THE MAIN COOKING EXHAUST FAN AND MAKE-UP AIR UNIT SHALL BE INTERLOCKED TO OPERATE TOGETHER. THIS CONTROL CIRCUIT IS ACTIVATED BY A SWITCH AND INCLUDES A FIRE PROTECTION OVERRIDE.
B.	THE TEMPERATURE IN EACH ZONE IS CONTROLLED BY SPACE TEMPERATURE SENSORS CONNECTED TO THE THERMOSTATS LOCATED IN THE OFFICE. ALL ZONES SHALL OPERATE WITH CONTINUOUS FAN OPERATION DURING OCCUPIED TIMES AND INTERMITTENTLY AS NEEDED TO MAINTAIN SET POINTS DURING UNOCCUPIED TIMES. OUTSIDE AIR DAMPERS SHALL BE OPEN CONTINUOUSLY WHEN EITHER IN OCCUPIED MODE OR WHEN THE HOOD SYSTEM IS ON AND SHALL BE CLOSED DURING UNOCCUPIED PERIODS.
C.	THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.

AIR BALANCE SCHEDULE				
TAG	SUPPLY FLOW	RETURN FLOW	EXHAUST FLOW	SUBTOTAL
			0 CFM	
EF-1	0 CFM	0 CFM	3,200 CFM	-3,200 CFM
EF-2	0 CFM	0 CFM	150 CFM	-150 CFM
EF-3	0 CFM	0 CFM	600 CFM	-600 CFM
MAU-1	1,950 CFM	0 CFM	0 CFM	1,950 CFM
RTU-1	3,400 CFM	2,450 CFM	0 CFM	950 CFM
RTU-2	3,400 CFM	2,250 CFM	0 CFM	1,150 CFM
NET PRESSURIZATION				100 CFM

AIR TERMINAL SCHEDULE											
TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		NOTES	
								MANUFACTURER	MODEL		
BS1	BATHROOM AIR PURIFICATION UNIT		STAINLESS STEEL	STAINLESS STEEL	SURFACE MOUNT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTION INFORMATION	
CD1	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD	
CD2	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4320A TYPE S		
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	PROVIDE INTEGRAL OBD	
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L		
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	SEIHO	NT12	PROVIDE WITH FACE-ACCESSIBLE OBD	
SR2	DOUBLE DEFLECTION SUPPLY REGISTER	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	NAILOR	51DH	PROVIDE WITH INTEGRAL OBD	

FAN SCHEDULE											
TAG	DESCRIPTION	AIRFLOW	E.S.P.	WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
				MOTOR POWER	V/P/H			MANUFACTURER	MODEL		
EF-1	UPBLAST UL762 EXHAUST FAN	3,200 CFM	1.20 in-wg	400 lb	3 hp	208/3/60	HS	GC	CAPTIVE-AIRE	DU240HFA	DIRECT DRIVE UL762 UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED ROOF CURB
EF-2	DOWNBLAST RESTROOM EXHAUST FAN	150 CFM	0.25 in-wg	100 lb	0.18 hp	120/1/60	HS	GC	CAPTIVE-AIRE	DR12HFA	DIRECT DRIVE DOWNBLAST RESTROOM EXHAUST FAN FURNISHED WITH INTEGRAL DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER, AND CURB
EF-3	UPBLAST UL762 EXHAUST FAN	600 CFM	0.25 in-wg	100 lb	0.33 hp	115/1/60	HS	GC	CAPTIVE-AIRE	DU33HFA	DIRECT DRIVE UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER AND CURB

VIROGUARD SCHEDULE							
TAG	COUNT	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN
		MANUFACTURER					MANUFACTURER
VG-1	1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	18" X 18"	CAPTIVE-AIRE NCA24HPFA	TDC	GC	ENVIROMATIC

CONDENSING UNIT SCHEDULE																	
TAG	DESCRIPTION	NOMINAL CAPACITY	NUMBER OF		REFRIGERANT		WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS		
			COMPRESSORS	CIRCUITS	TYPE	CHARGE			MOCP	FLA	V/P/H			MANUFACTURER	MODEL		
CU-1	CONDENSING UNIT - WALK-IN COOLER		1	1	R-404A	10.4 lb	250 lb	15 A	9 A	208/3/60	WCS	GC	HARFORD	KPCL99MZOP-3E	FURNISHED WITH WALK-IN COOLER		
CU-2	REMOTE CONDENSER - LOW CAPACITY ICE MAKER		1	1	R-404A	11.46 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-9F	FURNISHED WITH ICE MAKER		
CU-3	REMOTE CONDENSER - SODA MACHINE ICE MAKER		1	1	R-404A	3.86 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-5F	FURNISHED WITH ICE MAKER		

MAKEUP AIR UNIT SCHEDULE															
TAG	DESCRIPTION	AIRFLOW	E.S.P.	HEATING			WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			INPUT	OUTPUT	EAT			MOTOR POWER	V/P/H			MANUFACTURER	MODEL		
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	1,950 CFM	0.50 in-wg	225,000 Btu/h	220,000 Btu/h	-4 °F	650 lb	2 hp	208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-15D	12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS	

KITCHEN HOOD SCHEDULE -TYPE I																									
TAG	DESCRIPTION	MAX COOKING TEMP.	EXHAUST PLENUM						PERFORATED SUPPLY PLENUMS						BASIS FOR DESIGN				REMARKS						
			AIRFLOW	E.S.P.	DUCT COLLARS		LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	MAU PLENUM		AC PLENUM		NO. OF FIXTURES	WEIGHT		FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL		
					NO.	WIDTH							NO.	DIAMETER											
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600 °F	3,200 CFM	0.86 in-wg	2	10"	1' - 3"	14' - 3"	4' - 3"	15' - 3"	1' - 10"	1,950 CFM	3	10"	2' - 4"	800 CFM	7	8"	10	1,200 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPSF-F	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, ANSUL SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

KITCHEN HOOD SCHEDULE -TYPE II													
TAG	DESCRIPTION	EXHAUST PLENUM						BASIS FOR DESIGN				REMARKS	
		AIRFLOW	E.S.P.	DUCT COLLARS		LENGTH	WIDTH	WEIGHT	FURNISHED BY	INSTALLED BY	MANUFACTURER		MODEL
HD-2	TYPE II CANOPY HOOD	600 CFM	0.08 in-wg	1	10"	6' - 0"	4' - 0"	250 lb	HS	GC	CAPTIVE-AIRE	6024 VHB-G-ND	MAT'L: 18 GA. TYPE 430 SS.

ROOFTOP UNIT SCHEDULE																											
TAG	DESCRIPTION	NOMINAL CAPACITY	EER	AIRFLOW			NET COOLING CAPACITY				HEATING CAPACITY	HEATING CAPACITY	HEATING CAPACITY	NUMBER OF		REFRIGERANT		ELECTRICAL				BASIS FOR DESIGN		REMARKS			
				TOTAL	OA	E.S.P.	TOTAL	SENSIBLE	EAT		COND. EAT	INPUT	OUTPUT	EAT (DEG. F)	COMPRESSORS	CIRCUITS	TYPE	CHARGE	WEIGHT	MOCP	FLA	V/P/H	FURNISHED BY		INSTALLED BY	MANUFACTURER	MODEL
				DB (DEG. F)	WB (DEG. F)	(DEG. F)	BTU/h	BTU/h	79.8	66	95	180,000	144,000	50.2	2	2	R-410A	8.1/7.9	1,350 lb	60 A	48.3 A	208/3/60	HES		GC	YORK	ZJ102
RTU-1	KITCHEN ROOFTOP UNIT	8.5 ton	12	3,400 CFM	950 CFM	0.80 in-wg	100,400	71,500	79.8	66	95	180,000	144,000	50.2	2	2	R-410A	8.1/7.9	1,350 lb	60 A	48.3 A	208/3/60	HES	GC	YORK	ZJ102	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEVED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTACLE
RTU-2	DINING ROOM ROOFTOP UNIT	10 ton	12	3,400 CFM	1,150 CFM	0.80 in-wg	117,500	84,500	80.8	66.7	95	240,000	192,000	46	2	2	R-410A	7.8/7.6	1,350 lb	50 A	44.9 A	208/3/60	HES	GC	YORK	ZJ120	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEVED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTACLE