AIR BALANCE SCHEDULE

TAG	SUPPLY FLOW	RETURN FLOW	EXHAUST FLOW	SUBTOTAL
AC-1			1,590 CFM	
EF-1	0 CFM	0 CFM	1,900 CFM	-1,900 CFM
EF-2	0 CFM	0 CFM	150 CFM	-150 CFM
RTU-1	3,400 CFM	2,400 CFM	0 CFM	1,000 CFM
RTU-2	4,000 CFM	2,850 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	
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	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD, REMOVE 4 -WAY DEFLECTORS
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	CG	NAILOR	4330R TYPE S	PROVIDE WITH INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L	
RG3	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	AIR CONCEPTS	ANR-14	PROVIDE WITH CONCEALED MOUNTING AND 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	ESP	WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
					MOTOR POWER	VOLT	PH			MANUFACTURER	MODEL NO.	
EF-1	UPBLAST UL762 EXHAUST FAN	1900 CFM	1.50 in-wg	150 lb	1.00 hp	120 V	1	HS	GC	CAPTIVE-AIRE	DU8SHFA	DIRECT DRIVE UL762 UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED ROOF CURB
EF-2	DOWNBLAST RESTROOM EXHAUST FAN	150 CFM	0.60 in-wg	100 lb	0.25 hp	120 V	1	HS	GC	CAPTIVE-AIRE	DR12HFA	DIRECT DRIVE DOWNBLAST RESTROOM EXHAUST FAN FURNISHED WITH INTEGRAL DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER, AND CURB

SANITIZING EQUIPMENT SCHEDULE

TAG	COUNT	DESCRIPTION	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
					MANUFACTURER	MODEL	
SB-1	2	BATHROOM AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTION INFORMATION
SH-1	2	HVAC AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	REME-HALO	SEE DETAIL 6/M700 FOR INSTALLATION INFORMATION.
SI-1	4	ICE MACHINE TREATMENT SYSTEM	TUV	GC	RGF ENVIRONMENTAL GROUP	IMS-B-GA	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

AIR CURTAIN SCHEDULE

TAG	DESCRIPTION	AIRFLOW	WEIGHT	HEATING ELEMENT	MOTOR POWER	V/P/H	FURNISHED BY	INSTALLED BY	MANUFACTURER	Model	REMARKS
AC-1	AIR CURTAIN	1,590 CFM	172 lb	20 kW	0.5 hp	208/3/60	HES	GC	POWERED AIRE	CED-2-72E	PROVIDE WITH COMMERCIAL CONCEALED MAGNETIC DOOR SWITCH, BUILT-IN TIME DELAY RELAY, LINE VOLTAGE THERMOSTAT, AND COMMERCIAL DECORATOR SWITCH. COORDINATE INSTALL OF THERMOSTAT AND SWITCH WITH OWNER.

VIROGUARD

TAG	COUNT	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN MANUFACTURER
VG-1	1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16X16	CAPTIVE-AIRE DU85HFA	TDC	GC	ENVIROMATIC

CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	NUMBER OF		REFRIGERANT		WEIGHT	ELECTRICAL				FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
		COMPRESSORS	CIRCUITS	TYPE	CHARGE		MOCP	FLA	VOLT	PH			MANUFACTURER	MODEL NO.	
CU-1	CONDENSING UNIT - WALK-IN COOLER	1	1	R-404A	10.40 lb	250 lb	15 A	9.0 A	208 V	3	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	20 A	15.8 A	120 V	1	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	20 A	11.6 A	120 V	1	KES	GC	HOSHIZAKI	URC-5F	FURNISHED WITH ICE MAKER

KITCHEN HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP	EXHAUST PLENUM						NO. OF LIGHT FIXTURES	WEIGHT	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			AIRFLOW	ESP	DUCT COLLARS			LENGTH	WIDTH				MANUFACTURER	MODEL NO.	
					NO.	WIDTH	LENGTH								
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600.0 °F	1900 CFM	0.86 in-wg	1	10"	1'-5"	9' - 4"	4' - 3"	6	900 lb	HS	GC	Captive-Aire	5424 ND-2	MATL: 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 CONTANCT, AND 4-POLE 20A CONTACTOR.

ROOFTOP HEAT PUMP UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY [TONS]	EER / IEER	COP	AIRFLOW			NET COOLING CAPACITY					HEAT PUMP HEATING CAPACITY				AUXILIARY ELECTRIC HEAT			# OF COMPRESSORS	# OF CIRCUITS	REFRIG TYPE	REFRIG CHARGE	APPROX. WEIGHT [LBS]	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
					TOTAL [CFM]	OA [CFM]	ESP [IN. W.C.]	TOTAL [MBH]	SENSIBLE [MBH]	EAT DB [DEG. F]	EAT WB [DEG. F]	COND. EAT [DEG. F]	OUTPUT HTG [MBH]	EAT [DEG. F]	HTG DELTA T	HTG AMB TEMP [DEG F]	INPUT [KW]	STAGES	HTG DELTA T						MOCP	FLA	V/P/H			MFGR	MODEL	
RTU-1	KITCHEN ROOFTOP UNIT	8.5	11.1 / 14.4	3.5	3400	1000	0.8	99.7	77.8	79.8	65	95	40	50.7	10.9	4.5	0	0	0	2	2	R-410A	13.8 / 13.8	1350	60 A	46 A	208/3/60	HES	GC	YORK	XP 102	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED 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	11.0 / 14.5	3.5	4000	1150	0.8	113.9	88.9	79.7	64.9	95	53.3	51.2	12.3	4.5	0	0	0	2	2	R-410A	12.9 / 12.8	1350	60 A	48 A	208/3/60	HES	GC	YORK	XP 120	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTACLE

ELECTRIC DUCT COIL SCHEDULE

ID	MANUFACTURER	MODEL NO.	DESIGN FLOW	ELECTRIC HEATING COIL AIRSIDE		HEATING ELEMENT		DUCT SIZE		FLA	VOLT	PH	REMARKS
				EAT(db)	LAT(db)	POWER	STAGES	WIDTH	HEIGHT				
EDH-1	INDEECO	QUA	3400 CFM	50.7 °F	90.7 °F	43 kW	2	2' - 4"	1' - 4"	119 A	208 V	3	PROVIDE 24 VAC CONTROL VOLTAGE, DISCONNECTING CONTACTORS, THERMAL OVERLOAD CUTOUT, FUSES, AIR FLOW SWITCH, CONTROL TRANSFORMER, DISCONNECT SWITCH.
EDH-2	INDEECO	QUA	4000 CFM	51.2 °F	90.7 °F	50 kW	2	2' - 2"	1' - 6"	139 A	208 V	3	PROVIDE 24 VAC CONTROL VOLTAGE, DISCONNECTING CONTACTORS, THERMAL OVERLOAD CUTOUT, FUSES, AIR FLOW SWITCH, CONTROL TRANSFORMER, DISCONNECT SWITCH.

CONTROL FUNCTIONS

A. THE MAIN COOKING EXHAUST FAN AND ROOFTOP HEAP PUMP UNITS 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.

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