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Contents:

MECHANICAL  
SCHEDULES

M600

AIR BALANCE SCHEDULE

TAG	SUPPLY FLOW	RETURN FLOW	EXHAUST FLOW	SUBTOTAL
EF-1	0 CFM	0 CFM	1,900CFM	-1,900 CFM
EF-2	0 CFM	0 CFM	150 CFM	-150 CFM
XRTU-1	4,000 CFM	3,000CFM	0 CFM	1,000
RTU-2	5,000 CFM	3,800 CFM	0 CFM	1,200CFM
NET PRESSURIZATION				150 CFM

CONTROL FUNCTIONS

- 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.
- 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.
- THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.

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
CD3	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4320A TYPE S	PROVIDE WITH INTEGRAL OBD
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	
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	BLACK	WALL	GC	GC	AIR CONCEPTS	M-AD-SR1	PROVIDE WITH CONCEALED MOUNTING AND FACE-ACCESSIBLE OBD

ELECTRICAL DUCT HEATER SCHEDULE

MARK	SERVES:	MANUFACTURER	KW	VOLTS <sup>Ø</sup>	CONTROL	REMARK
EDH-1	RTU-2	THERMOLEC	50.0	208/3	SCR	1,2,3

1. C/W FLOW SWITCH, CONTACTOR, TRANSFORMER AND THERMAL PROTECTION WITH DISCONNECT SWITCH.  
2. VENTILATION CONTRACTOR SHALL COORDINATE DIMENSIONS AND INSERTION TYPE.  
3. SUPPLY WITH TRIAC RELAY FOR SCR CONTROL.

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	3	ICE MACHINE TREATMENT SYSTEM	TUV	GC	RGF ENVIRONMENTAL GROUP	IMS-B-GA	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

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 DUBSHFA EXHAUST FAN	1,900 CFM	1.2 in-wg	93 lb	1 hp	120/1/60	HS	GC	CAPTIVE-AIRE	DUBSHFA	DIRECT DRIVE DU180HFA UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED ROOF CURB
EF-2	DOWNBLAST RESTROOM EXHAUST FAN	150 CFM	0.50 in-wg	50 lb	0.25 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

VIROGUARD SCHEDULE

TAG	COUNT	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN
VG-1	1	HURRICANE-RATED VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16" X 16"	CAPTIVE-AIRE DUBSHFA	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	208/1/60	WCS	GC	RUSSELL DOE	RFO060M4SDAALNT	FURNISHED WITH WALK-IN COOLER
CU-2	REMOTE CONDENSER - LOW CAPACITY ICE MAKER		0	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		0	1	R-404A	3.86 lb	100 lb			120/1/60	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	E.S.P.	DUCT COLLARS		LENGTH	WIDTH					MANUFACTURER	MODEL		
					NO.	WIDTH										
HD-1	TYPE I CANOPY HOOD	600 °F	1,900 CFM	0.82 in-wg	1	10"	18"	10' - 4"	4'-6"	6	860 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VERTICAL END PANELS, VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, KITCHEN EXHAUST SUPPRESSION SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTRACTOR

ROOFTOP UNIT SCHEDULE

\* REPLACE HEATING COIL FOR XRTU-1 DUE TO OUTSIDE AIR INCREASE.  
  
EXISTING COIL IS 17 KW. UPGRADE TO 39 KW PER SCHEDULE.

TAG	DESCRIPTION	NOMINAL CAPACITY	EER	AIRFLOW			NET COOLING CAPACITY				HEATING CAPACITY			NUMBER OF		REFRIGERANT	ELECTRICAL				FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
				TOTAL	OA	E.S.P.	TOTAL	SENSIBLE	EAT	COND. EAT	ELECTRIC HEAT	EAT	COMPRESSORS	CIRCUITS	TYPE		WEIGHT	MOCP	FLA	V/P/H			MANUFACTURER	MODEL	
XRTU-1	DINING ROOM ROOFTOP UNIT	10 ton	-	4,000 CFM	1,000 CFM	0.6 in-wg	100,111 Btu/h	78,679 Btu/h	76.2 °F	64.7 °F	100 °F	39 kW*	-	-	-	-	EXISTING	150 A	135 A	208/3/60	-	-	CARRIER	50HJ012	EXISTING RTU TO REMAIN. CLEAN EVAPORATOR AND CONDENSER COILS, CHECK REFRIGERANT CHARGE, ADD REFRIGERANT, AS REQUIRED, ADJUST AND/OR REPLACE BELTS, AS REQUIRED. REPLACE ALL FILTERS. EXISTING PIPING AND VALVES TO REMAIN. VERIFY VOLTAGE AND PROPER OPERATION IN FIELD. COORDINATE EXACT LOCATION IN FIELD. HVAC CONTRACTOR SHALL FIELD VERIFY EXISTING CONTROLS, VALVES, AND CONNECTIONS. PROVIDE ADDITIONAL CONTROLS AND ACCESSORIES, AS REQUIRED TO MEET DESIGN INTENT. FIELD VERIFY ALL ELECTRICAL REQUIREMENTS AND VOLTAGES WITH ELECTRICAL CONTRACTOR.
RTU-2	KITCHEN ROOFTOP UNIT	12.5 ton	10.4	5,000 CFM	1,200 CFM	0.8 in-wg	149,090 Btu/h	110,080 Btu/h	80 °F	67 °F	95 °F	SEE ELECTRIC DUCT HEATER SCHEDULE	2	2	R-410A	978 lb	80 A	71 A	208/3/60	CMG	GC	CARRIER	50FC-M14B3	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, HOT GAS REHEAT & UNIT-MOUNTED CONVENIENCE RECEPTACLE	

