

TAG	SUPPLY AIRFLOW (CFM)	RETURN AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)	SUBTOTAL (CFM)
EF-1	0	0	1900	-1900
EF-2	0	0	150	-150
RTU-1	2400	1450	0	1050
RTU-2	2000	1050	0	1050
NET PRESSURIZATION				50

TAG	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL	FINISH	MOUNTING	FACE SIZE	NECK SIZE	OPPOSED BLADE DAMPER	SERVICE	MAXIMUM NOISE CRITERIA (NC)	NOTES
CD-1	PERFORATED CEILING DIFFUSER	NAILOR	4320A TYPE L	ALUMINUM	WHITE	LAY-IN	24" X 24"	SEE PLANS	YES	SUPPLY	35	2, 3, 5
CD-2	PERFORATED CEILING DIFFUSER	NAILOR	4320A TYPE L	ALUMINUM	WHITE	SURFACE	24" X 12"	SEE PLANS	YES	SUPPLY	35	2, 3, 4, 5
ER-1	PERFORATED CEILING EXHAUST	NAILOR	4330R TYPE S	ALUMINUM	WHITE	SURFACE	12" X 12"	SEE PLANS	YES	EXHAUST	35	2, 3
RG-1	PERFORATED CEILING RETURN	NAILOR	4330R TYPE L	ALUMINUM	WHITE	LAY-IN	48" X 24"	SEE PLANS	NO	RETURN	35	2, 3
RG-3	PERFORATED CEILING RETURN	NAILOR	4330R TYPE S	ALUMINUM	WHITE	SURFACE	48" X 24"	SEE PLANS	NO	RETURN	35	2, 3
SR-1	ADJUSTABLE TURBO NOZZLE	AIRCONCEPTS	ANR-14	ALUMINUM	WHITE	WALL	NECK + 1-2"	SEE PLANS	YES	SUPPLY	35	2, 3, 6
SR-2	DOUBLE DEFLECTION SUPPLY REGISTER	NAILOR	51DH	ALUMINUM	WHITE	WALL	NECK + 2"	SEE PLANS	YES	SUPPLY	35	2, 3, 5

NOTES:  
1 SEE ELECTRICAL PLAN FOR CONNECTION INFORMATION.  
2 MAXIMUM STATIC PRESSURE DROP OF 0.15"WC UNLESS OTHERWISE NOTED.  
3 SEE PLANS FOR SIZES AND QUANTITIES.  
4 REMOVE 4-WAY DEFLECTORS.  
5 PROVIDE WITH INTEGRAL OBD.  
6 PROVIDE WITH CONCEALED MOUNTING AND FACE ACCESSIBLE OBD.  
NOT ALL AIR DEVICES ARE USED ON PLANS.

Room Name	Room Area (A <sub>r</sub> )	Room Type	Zone Air Distribution Effectiveness (E <sub>z</sub> )	Number of People (P <sub>z</sub> )	CFM/Person (Rp)	CFM/sqft	Breathing Zone OA (V <sub>bz</sub> )	Zone Outdoor Airflow (V <sub>oz</sub> )	System Ventilation Efficiency (E <sub>v</sub> )	Required Outdoor Air Intake (V <sub>ot</sub> )	Outside Air Provided
<b>RTU-1 - KITCHEN (MULTIPLE ZONE WITH SINGLE RECIRC)</b>											
104 - POS	215	Cafeteria, fast food	0.8	2	7.5	0.18	54	67	0.94	172	1050
106 - SERVING	46	Cafeteria, fast food	0.8	2	7.5	0.18	23	29			
107 - COOKING	359	Kitchens (cooking)									
108 - KITCHEN (FOOD PREP)	349	Cafeteria, fast food	0.8	2	7.5	0.18	78	97			
109 - OFFICE	49	Office spaces	0.8	1	5	0.06	8	10			
<b>Total</b>							<b>163</b>	<b>203</b>			
<b>RTU-2 - DINING (SINGLE ZONE)</b>											
105 - DINING/ORDERING	628	Dining rooms	0.8	50	7.5	0.18	502	627	N/A	630	1050
102 - UTENSIL	77	Dining rooms									
103 - PASSAGE	39	Corridors	0.8	0	0	0.06	2	3			
<b>Total</b>							<b>504</b>	<b>630</b>			

TAG	DESCRIPTION	MANUFACTURER	MODEL	NUMBER OF COMPRESSORS	CIRCUITS	REFRIGERANT TYPE	CHARGE	WEIGHT	MOCP	FLA	V/PH	NOTES
CU-1	CONDENSING UNIT - WALK IN COOLER	HARFORD	KPCL99MZOP-SE	1	1	R-404A	10.4 LB	250 LBS	15 A	9 A	208/3/60	1, 2
CU-2	REMOTE CONDENSER - LOW CAPACITY ICE MAKER	HOSHIZAKI	URC-0F	0	1	R-404A	11.46 LB	100 LBS	15 A	9 A	120/1/60	1, 3
CU-3	REMOTE CONDENSER - SODA MACHINE ICE MAKER	HOSHIZAKI	URC-0F	0	1	R-404A	3.86 LB	100 LBS	15 A	9 A	120/1/60	1, 3

NOTES:  
1 EQUIPMENT SPECIFIED BY OTHERS, SHOWN FOR REFERENCE ONLY.  
2 FURNISHED WITH WALK-IN COOLER.  
3 FURNISHED WITH ICE MAKER.

TYPE	APPLICATION	ALLOWABLE MATERIAL
DUCT	CONCEALED, GENERAL EXHAUST	RECTANGULAR OR ROUND AS SHOWN
DUCT	CONCEALED, RETURN	RECTANGULAR OR ROUND AS SHOWN, LINED OR INSULATED
DUCT	CONCEALED, SUPPLY	RECTANGULAR OR ROUND AS SHOWN, LINED OR INSULATED
DUCT	CONCEALED, TYPE I HOOD EXHAUST	RECTANGULAR 16 GA. BLACK IRON WITH WRAP OR UL 1978 FACTORY-MANUFACTURED DUCT WITH WRAP (SUBMIT SHOP DRAWINGS FOR FACTORY-MANUFACTURED DUCT PRIOR TO ORDERING FOR APPROVAL)
DUCT	EXPOSED GENERAL EXHAUST	RECTANGULAR, NO EXPOSED DUCT-SEALING MASTIC
DUCT	EXPOSED RETURN	RECTANGULAR, NO EXPOSED DUCT-SEALING MASTIC
DUCT	EXPOSED SUPPLY	RECTANGULAR LINED OR ROUND AS SHOWN, NO EXPOSED DUCT-SEALING MASTIC

TAG	DESCRIPTION	MANUFACTURER	MODEL	SERVICE	LOCATION	FAN DATA			ELECTRICAL DATA			WEIGHT	NOTES		
						AIRFLOW	E.S.P.	MOUNT	DRIVE	MOTOR POWER	AMPS	VOLTAGE	PHASE		
EF-1	UPBLAST UL762 EXHAUST FAN	CAPTIVEAIRE	DU85HFA	KITCHEN HOOD	ROOF	1,900 CFM	1.2"WC	ROOF CURB	DIRECT	1.0 HP	11.6	115	1	93	1-4
EF-2	DOWNBLAST RESTROOM EXHAUST FAN	CAPTIVEAIRE	DR12HFA	RESTROOMS	ROOF	150	0.6"WC	ROOF CURB	DIRECT	0.25 HP	2.9	115	1	50	5-7

NOTES:  
1 WEATHERPROOF DISCONNECT.  
2 20" HIGH VENTED ROOF CURB  
3 GREASE DRAIN.  
4 ENVIRONMENTAL VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM.  
5 INTEGRAL DISCONNECT.  
6 SPEED CONTROL.  
7 26" CURB WITH BACKDRAFT DAMPER.  
8 E.S.P. INCLUDES E.S.P. OF EXHAUST PLENUM LISTED IN KITCHEN HOOD SCHEDULE.

TAG	DESCRIPTION	MANUFACTURER	MODEL	MAX COOKING TEMP	EXHAUST PLENUM				# OF LIGHT FIXTURES	WEIGHT	NOTES	
					AIRFLOW	E.S.P.	WIDTH	LENGTH	DUCT COLLARS # WIDTH LENGTH			
HD-1	TYPE 1 CANOPY HOOD WITH PERFORATED MAIN AND HVAC SUPPLY PLENUMS	CAPTIVEAIRE	5424 ND-2	600 DEG. F.	1,900 CFM	0.818" WC	4'-6"	10'-4"	1 10" 18"	6	1,070 LBS	1-11

NOTES:  
1 18 GAUGE TYPE 430 STAINLESS STEEL CONSTRUCTION.  
2 FURNISHED WITH VAPORPROOF INCANDESCENT LIGHT FIXTURES.  
3 16" TALL HE SS FILTERS.  
4 INTEGRAL UTILITY CABINET.  
5 ANSUL SYSTEM.  
6 DUCT COLLAR TEMPERATURE SENSOR.  
7 PREWIRE PACKAGE.  
8 SPARE FIRE SYSTEM DRY CONTACT.  
9 4-POLE 20A CONTACTOR.  
10 DVC-1 KITCHEN FAN CONTROL CENTER TO ENGAGE ASSOCIATED MAKE-UP AIR UNIT AND EXHAUST FAN AND CONTROL LIGHTS.  
11 UL LISTED FIRE SUPPRESSION AND GREASE COLLECTION SYSTEM.

TAG	DESCRIPTION	MANUFACTURER	MODEL	NOMINAL CAPACITY	AIRFLOW				COOLING DATA				HEATING DATA - HEAT PUMP				HEATING DATA - BACKUP				ELECTRICAL DATA				OPERATING WEIGHT (LBS)	NOTES
					SUPPLY AIR	OUTSIDE AIR	E.S.P.	REFRIGERANT	TOTAL CAPACITY (NET)	SENSIBLE CAPACITY (NET)	EER	IEER	OUTPUT - 21 DEGREES	FUEL	INPUT	OUTPUT	MOCP	MCA	VOLTAGE	PHASE						
RTU-1	KITCHEN ROOFTOP UNIT	YORK	XYEA7A2C3AA2C224A2	6 TONS	2,400 CFM	1050 CFM	0.80"	R-410A	72.2 MBH	48.3 MBH	12.00	14.8	38.0 MBH	ELEC	16 kW	54.6 MBH	90	83.9	208-230	3	977	1-9				
RTU-2	DINING ROOM ROOFTOP UNIT	YORK	XYE06A2C1AA2C224A3	5 TONS	2,000 CFM	1050 CFM	0.80"	R-410A	66.6 MBH	43.4 MBH	12.50	15.0	30.4 MBH	ELEC	16 kW	54.6 MBH	80	78.6	208-230	3	751	1-9				

NOTES:  
1 FURNISHED WITH ENTHALPY ECONOMIZER AND BAROMETRIC RELIEF.  
2 SMOKE DETECTOR WITH REMOTE KEYED ANNUNCIATOR/RESET.  
3 MOTORIZED OUTSIDE AIR DAMPER.  
4 MERV-8 FILTERS.  
5 ROOF CURB.  
6 HAIL GUARD.  
7 TOOL-LESS HINGED ACCESS PANELS.  
8 UNIT DISCONNECT.  
9 UNIT-MOUNTED CONVENIENCE RECEPTACLE.

TAG	DESCRIPTION	DUCT CONNECTION SIZE	BASIS FOR DESIGN MANUFACTURER	FAN	SERVICE	FURNISHED BY	INSTALLED BY
VG-1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	22" X 22"	ENVIRONMENTAL	CAPTIVE-AIRE DU85HFA	KITCHEN HOOD EXHAUST FAN	TDC	GC

TAG	DESCRIPTION	MANUFACTURER	MODEL	LOCATION	ELECTRICAL DATA				NOTES
					WATTS	AMPS	VOLTAGE	PHASE	
RH-1	CEILING HUNG RADIANT HEATER	ELECTRISCHWANK	ES-1033	113 - PATIO	1000	8.3	120	1	1, 2

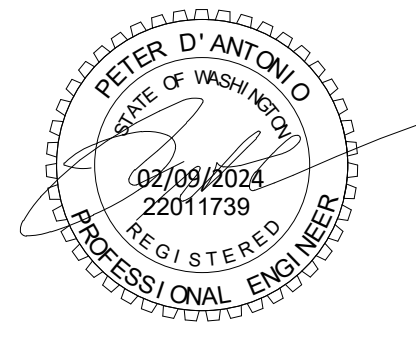
NOTES:  
1 PROVIDE WITH VARIABLE CONTROL THERMOSTAT AND WEATHERPROOF COVER.  
2 INSTALL UNIT HUNG FROM PATIO CEILING.

TAG	COUNT	DESCRIPTION	MANUFACTURER	MODEL	FURNISHED BY	INSTALLED BY	REMARKS
SB-1	2	BATHROOM AIR PURIFICATION UNIT	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	TUV	GC	SEE ELECTRICAL SHEETS FOR CONNECTION INFORMATION
SH-1	2	HVAC AIR PURIFICATION UNIT	RGF ENVIRONMENTAL GROUP	REME-HALO	TUV	GC	SEE DETAIL 6M700 FOR INSTALLATION INFORMATION
SI-1	3	ICE MACHINE TREATMENT SYSTEM	RGF ENVIRONMENTAL GROUP	IMS-B-GA	TUV	GC	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

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Contents:

MECHANICAL SCHEDULES

M600