

TAG	SUPPLY AIRFLOW (CFM)	RETURN AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)	SUBTOTAL (CFM)
EF-1	0	0	2550	-2550
EF-2	0	0	150	-150
MAU-1	1300	0	0	1300
RTU-1	2600	1,950	0	650
RTU-2	3400	2,550	0	850
NET PRESSURIZATION				100

TAG	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL	FINISH	MOUNTING	FACE SIZE	NECK SIZE	OPPOSED BLADE DAMPER	SERVICE	MAXIMUM NOISE CRITERIA (NC)	NOTES
BS-1	BATHROOM AIR PURIFICATION UNIT	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	STAINLESS STEEL	STAINLESS STEEL	SURFACE	N/A	N/A	N/A	PURIFICATION	N/A	1
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
CD-3	PERFORATED CEILING DIFFUSER	NAILOR	4320A TYPE S	ALUMINUM	WHITE	SURFACE	20" X 20"	SEE PLANS	YES	SUPPLY	35	2, 3, 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	ANR14	ALUMINUM	WHITE	WALL	NECK + 1-2"	SEE PLANS	YES	SUPPLY	35	2, 3
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.

Room Name	Room Area (A _z)	Room Type	Zone Air Distribution Effectiveness (E _z)	Number of People (P _z)	CFM/Person (Rp)	CFM/sqft	Breathing Zone OA (Vbz)	Zone Outdoor Airflow (Voc)	System Ventilation Efficiency (Ev)	Required Outdoor Air Intake (Vot)	Outside Air Provided
RTU-1 - KITCHEN (MULTIPLE ZONE WITH SINGLE RECIRC)											
104 - POS	194	Cafeteria, fast food	0.8	2	7.5	0.18	50	63	0.92	173	650
106 - SERVING	47	Cafeteria, fast food	0.8	2	7.5	0.18	23	30			
107 - COOKING	355	Kitchens (cooking)	0.8	1	5	0.06	4	6			
108 - KITCHEN (FOOD PREP)	314	Cafeteria, fast food	0.8	3	7.5	0.18	79	99			
109 - OFFICE	38	Office spaces	0.8	1	5	0.06	7	10			
Total							160	202			
RTU-2 - DINING (SINGLE ZONE)											
101 - DINING/ORDERING	816	Dining rooms	0.8	66	7.5	0.18	656	820	N/A	826	850
102 - UTENSIL	76	Dining rooms	0.8	0	0	0.06	4	6			
103 - PASSAGE	67	Corridors	0.8	0	0	0.06	4	6			
Total							660	826			

TAG	DESCRIPTION	MANUFACTURER	MODEL	NUMBER OF COMPRESSORS	CIRCUITS	REFRIGERANT TYPE	CHARGE	WEIGHT	ELECTRICAL MOCP	FLA	V/PH	NOTES
CU-1	CONDENSING UNIT - WALK IN COOLER	HARFORD	KPCL99MZOP-3E	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-9F	0	1	R-404A	11.46 LB	100 LBS			120/1/60	1, 3
CU-3	REMOTE CONDENSER - SODA MACHINE ICE MAKER	HOSHIZAKI	URC-5F	0	1	R-404A	3.86 LB	100 LBS			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	AIRFLOW	E.S.P.	MOUNT	DRIVE	MOTOR POWER	FLA	VOLTAGE	PHASE	NOTES
EF-1	UPBLAST UL762 EXHAUST FAN	CAPTIVEAIRE	DU180HFA	KITCHEN HOOD	ROOF	2,550 CFM	1.45"WC	ROOF CURB	DIRECT	2.0 HP	8.3	208	3	1-4, 8
EF-2	DOWNBLAST RESTROOM EXHAUST FAN	CAPTIVEAIRE	DR12HFA	RESTROOMS	ROOF	150 CFM	0.6"WC	ROOF CURB	DIRECT	0.25 HP	2.9	115	1	5-7

NOTES:
1 WEATHERPROOF DISCONNECT.
2 20" HIGH VENTED ROOF CURB
3 GREASE DRAIN.
4 ENVIRONMENTAL VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM (VG-1).
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				PERFORATED SUPPLY PLENUMS				# OF LIGHT FIXTURES	WEIGHT	NOTES								
					AIRFLOW	E.S.P.	WIDTH	LENGTH	DUCT COLLARS #	WIDTH	LENGTH	MAKEUP AIR PLENUM AIRFLOW				DUCT COLLARS #	WIDTH	LENGTH	HVAC PLENUM AIRFLOW	DUCT COLLARS #	DIAMETER		
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND HVAC SUPPLY PLENUMS	CAPTIVEAIRE	5424 ND-2-ACPSF-F	600 DEG. F.	2,550 CFM	-0.97" WC	4'-3"	12'-9"	3	10"	24"	1'-7"	13'-9"	1,300 CFM	3	6"	2'-4"	700 CFM	6	8"	8	1,150 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	SERVICE	AIRFLOW	E.S.P.	HEATING DATA INPUT	OUTPUT	TEMP RISE	MOTOR POWER	FLA	VOLTAGE	PHASE	WEIGHT	NOTES
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	CAPTIVEAIRE	A1-D-250-15D	KITCHEN HOOD	1,300 CFM	0.5"WC	98.8 MBH	90.9 MBH	66 DEG. F.	1.0 HP	3.1	208	3	495 LBS	1-7

NOTES:
1 12.5:1 MAXIMUM TURNDOWN.
2 FURNISHED WITH DISCONNECT.
3 20" ROOF CURB.
4 SCREENED INTAKE.
5 WASHABLE ALUMINUM FILTERS.
6 DOWN DISCHARGE SUPPLY AIR.
7 INTERLOCKED WITH KITCHEN HOOD.

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 6/M700 FOR INSTALLATION INFORMATION.
SI-1	3	ICE MACHINE TREATMENT SYSTEM	RGF ENVIRONMENTAL GROUP	IMS-B-GA	TUV	GC	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

TAG	DESCRIPTION	MANUFACTURER	MODEL	NOMINAL CAPACITY	AIRFLOW SUPPLY AIR	OUTSIDE AIR	E.S.P.	REFRIGERANT	EAT (°F)	EWBT (°F)	COOLING DATA TOTAL CAPACITY (NET)	SENSIBLE CAPACITY (NET)	EER	IEER	FUEL	HEATING DATA INPUT	OUTPUT	MOCP	MCA	VOLTAGE	PHASE	NOTES
RTU-1	KITCHEN ROOFTOP UNIT	YORK	ZJ078N12R2BSLAA2A2	6.5 TONS	2,600 CFM	650 CFM	0.6" WC	R-410A	80	67	77.8 MBH	55.5 MBH	11.8	15.0	N. GAS	120 MBH	97 MBH	45	35.3	230	3	1-9
RTU-2	DINING ROOM ROOFTOP UNIT	YORK	ZJ102N12P2BSLAA2A2	8.5 TONS	3,400 CFM	850 CFM	0.6" WC	R-410A	80	67	102.8 MBH	71.7 MBH	12.0	14.6	N. GAS	160 MBH	130 MBH	60	45.5	230	3	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	MANUFACTURER	MODEL	LOCATION	AIRFLOW	WATTS	AMPS	VOLTAGE	PHASE	NOTES		
UH-1	CEILING MOUNTED UNIT HEATER	INDEECO	931U4000V	MAIN ENTRY	160 CFM	60 F	CEILING	3000	14.8	208	1	1, 2

NOTES:
1 PROVIDE WITH BUILT-IN TAMPERPROOF THERMOSTAT.
2 INSTALL UNIT RECESSED INTO VESTIBULE CEILING.

TAG	DESCRIPTION	DUCT CONNECTION SIZE	BASIS FOR DESIGN MANUFACTURER	FAN	SERVICE	FURNISHED BY	INSTALLED BY
VG-1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	18" X 18"	ENVIRONMENTAL	CAPTIVE-AIRE DU240HFA	KITCHEN HOOD EXHAUST FAN	TDC	GC

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