

TAG	SUPPLY AIRFLOW (CFM)	RETURN AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)	SUBTOTAL (CFM)
EF-1	0	0	3200	-3200
EF-2	0	0	150	-150
MAU-1	1950	0	0	1950
RTU-1	3400	2,650	0	750
RTU-2	3400	2,650	0	750
NET PRESSURIZATION				100

Room Name	Room Area	Room Type	Number of People	CFM/Person	CFM/sqft	Total Required OA CFM	Total Provided OA CFM
RTU-1 - KITCHEN							
104 - POS	200	Cafeteria, fast food	17	7.5	0.18	193	750
106 - SERVING	150	Cafeteria, fast food					
107 - COOKING	315	Kitchens (cooking)			0.7 CFM/SF EXHAUST		
108 - KITCHEN (FOOD PREP)	315	Cafeteria, fast food	5	7.5	0.18	95	
109 - OFFICE	40	Office spaces	1	5	0.06	8	
Total						296	
RTU-2 - DINING							
101 - DINING/ORDERING	600	Dining rooms	42	7.5	0.18	455	750
102 - UTENSIL	175	Dining rooms				4	
103 - PASSAGE	65	Corridors	0	0	0.06	4	
Total						459	

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	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	ANR	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.

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	KPCL99M2OP-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.

TAG	DESCRIPTION	MANUFACTURER	MODEL	SERVICE	LOCATION	AIRFLOW	E.S.P.	MOUNT	DRIVE	MOTOR POWER	AMPS	VOLTAGE	PHASE	NOTES
EF-1	UPBLAST UL762 EXHAUST FAN	CAPTIVEAIRE	DU240HFA	KITCHEN HOOD	ROOF	3,200 CFM	1.2"WC	ROOF CURB	DIRECT	3.0 HP	10.2	208	3	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	5-7

NOTES:
1 WEATHERPROOF DISCONNECT.
2 20" HIGH VENTED ROOF CURB
3 GREASE DRAIN.
4 ENVIROMATIC 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		MAKEUP AIR PLENUM					HVAC PLENUM							
									#	WIDTH	LENGTH	AIRFLOW				DUCT COLLARS #	WIDTH	LENGTH	AIRFLOW	DUCT COLLARS #	DIAMETER		
HD-1	TYPE 1 CANOPY HOOD WITH PERFORATED MAU AND HVAC SUPPLY PLENUMS	CAPTIVEAIRE	5424 ND-2-ACPSF-F	600 DEG. F.	3,200 CFM	0.8"WC	4'-3"	14'-3"	2	10"	1'-3"	1'-10"	15'-3"	1,950 CFM	3	10"	2'-4"	800 CFM	7	8"	10	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	SERVICE	AIRFLOW	E.S.P.	INPUT	OUTPUT	EAT	LAT	MOTOR POWER	AMPS	VOLTAGE	PHASE	WEIGHT	NOTES
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	CAPTIVEAIRE	A1-D-250-15D	KITCHEN HOOD	1,950 CFM	0.5"WC	138 MBH	127 MBH	1.0 DEG. F	63 DEG. F.	2.0 HP	7.7	208	3	510 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	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"	ENVIROMATIC	CAPTIVE-AIRE DU240HFA	KITCHEN HOOD EXHAUST FAN	TDC	GC

TAG	DESCRIPTION	MANUFACTURER	MODEL	NOMINAL CAPACITY	AIRFLOW SUPPLY AIR	OUTSIDE AIR	E.S.P.	REFRIGERANT	TOTAL CAPACITY (NET)	SENSIBLE CAPACITY (NET)	EER	IEER	FUEL	INPUT	OUTPUT	MOCP	MCA	VOLTAGE	PHASE	NOTES
RTU-1	KITCHEN ROOFTOP UNIT	TRANE	YHC102F3RHA	8.5 TONS	3,400 CFM	750 CFM	0.8"WC	R-410A	94.76 MBH	73.3 MBH	12.5	14.7	N. GAS	200 MBH	160 MBH	50	42	208-230	3	1-9
RTU-2	DINING ROOM ROOFTOP UNIT	TRANE	YHC102F3RHA	10 TONS	4,000 CFM	750 CFM	0.8"WC	R-410A	106.73 MBH	86.82 MBH	12.4	15.2	N. GAS	250 MBH	200 MBH	50	42	208-230	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 RAIL GUARD.
7 TOOL-LESS HINGED ACCESS PANELS.
8 UNIT DISCONNECT.
9 UNIT-MOUNTED CONVENIENCE RECEPTACLE.

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