

OUTSIDE AIR VENTILATION SCHEDULE										
SR NO	AREA NAME	FLOOR AREA (SQ. FT.)	ASHRAE TABLE 6.2.2.1 (CFM/S.F.)	ZONE MAXIMUM OCCUPANCY	ASHRAE TABLE 6.2.2.1 O.A. PER OCCUPANT	OCCUPANCY O.A. REQUIREMENT	FLOOR AREA O.A. REQUIREMENT	O.A. TO SPACE (CFM) REQUIRED W/O CORRECTION FACTOR	ASHRAE TABLE 6.2.2.2 VENTILATION EFFECTIVENESS CORRECTION FACTOR	O.A. TO SPACE (CFM) WITH CORRECTION FACTOR
RTU-1										
1	KITCHEN	320	0.12	3	5	15	38.4	53.4	0.8	67
2	PICKUP	140	0.12	2	5	10	16.8	26.8	0.8	34
3	COOKING/POS	485	0.18	4	5	20	87.3	107.3	0.8	134
4	OFFICE	45	0.06	1	5	5	2.7	7.7	0.8	10
TOTAL										244
RTU-2										
1	DINING	815	0.18	36	5	180	146.7	326.7	0.8	408
2	PASSAGE	67	0.06	0	5	0	4.0	4.0	0.8	5
3	UNISEX 1	62	0.06	0	5	0	3.7	3.7	0.8	5
4	UNISEX 2	62	0.06	0	5	0	3.7	3.7	0.8	5
TOTAL										423

SANITIZING EQUIPMENT SCHEDULE										
TAG	COUNT	DESCRIPTION	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN				REMARKS	
					MANUFACTURER	MODEL	GROUP	ASSEMBLY		
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	2	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 UL762 EXHAUST FAN	2,550 CFM	1.45 in-wg	183 lb	2 hp	208/3/60	HS	GC	CAPTIVE-AIRE	DU180HFA	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	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	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16" X 16"	CAPTIVE-AIRE DU180HFA	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		MOC	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	208/3/60	WCS	GC	HARFORD	KPCL99MZOP-3E	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

MAKEUP AIR UNIT SCHEDULE																				
TAG	DESCRIPTION	AIRFLOW	E.S.P.	HEATING			WEIGHT	ELECTRICAL		COOLING						FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
				INPUT	OUTPUT	TEMP RISE		MOTOR POWER	V/P/F	TOTAL CAPACITY	SENSIBLE CAPACITY	EAT DB	EAT WB	LAT DB	LAT WB			MANUFACTURER	MODEL	
MAU-1	DIRECT-FIRED MAKE UP AIR UNIT WITH DX-COOLING AND GAS HEATING	1,300 CFM	0.50 "W.C.	61762 BTU/H	56821 BTU/H	41 °F	1189 LBS	1.5 HP	208/3/60	60.0 MBH	60.0 MBH	104 °F	69 °F	58.8 °F	52.9 °F	HS	GC	CAPTIVE-AIR	A1-D.250-15D-MPU	12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS

KITCHEN HOOD SCHEDULE																										
TAG	DESCRIPTION	MAX COOKING TEMP.	AIRFLOW	E.S.P.	EXHAUST PLENUM						PERFORATED SUPPLY PLENUMS						NO. OF LIGHT FIXTURES	WEIGHT	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS			
					DUCT COLLARS			LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	MAU PLENUM							AC PLENUM			MANUFACTURER	MODEL	
					NO.	WIDTH	LENGTH							NO.	WIDTH	LENGTH					NO.	WIDTH				LENGTH
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600 °F	2,550 CFM	0.97 in-wg	1	10"	2'-0"	12'-9"	4'-3"	13'-9"	1'-7"	1,300 CFM	3	6"	2'-4"	700 CFM	6	8"	8	1,192 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACSPS-F	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VERTICAL END PANELS, VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, ANSUL SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR	

HEAT PUMP SCHEDULE																											
TAG	RESPONSIBILITY	SERVES	MANUFACTURER	MODEL NO.	SUPPLY AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	MINIMUM OA FOR DCV (CFM)	FAN ESP	VOLT	PH	MOTOR POWER	MCA	MOCP	EER	IEER	HEATING DATA		COOLING INFORMATION							OPERATING WEIGHT	REMARKS	
																COP @ 47°F	TOTAL @ 47°F (MBH)	NOMINAL TONNAGE	TOTAL MBH	SENSIBLE MBH	REFRIGERANT TYPE	COOLING ENTERING DRY BULB TEMPERATURE	COOLING ENTERING WET BULB TEMPERATURE	AMBIENT DBT			AMBIENT WBT
RTU-1	LL	KITCHEN	YORK	XP120	4000	700	-	0.80	208	3	(2) 3 hp	57	70	11	11.6	3.4	106	10	112.4	101.5	R-410A	85 °F	67 °F	104 °F	69 °F	1135	FURNISHED WITH COM. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEY ANNUNCIATOR / RESET, M.O.D., MERV-8 FILTERS, VARIABLE HEIGHT CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTICAL
RTU-2	LL	DINING ROOM	YORK	XP120	4000	1000	800	0.80	208	3	(2) 3 hp	57	70	11	11.6	3.4	106	10	112.4	101.5	R-410A	85 °F	67 °F	104 °F	69 °F	1135	FURNISHED WITH COM. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEY ANNUNCIATOR / RESET, M.O.D., MERV-8 FILTERS, VARIABLE HEIGHT CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTICAL

AIR BALANCE SCHEDULE				
TAG	SUPPLY FLOW	RETURN FLOW	EXHAUST FLOW	SUBTOTAL
EF-1	0 CFM	0 CFM	2,550 CFM	-2,550 CFM
EF-2	0 CFM	0 CFM	150 CFM	-150 CFM
MAU-1	1,300 CFM	0 CFM	0 CFM	1,300 CFM
RTU-1	4,000 CFM	3,300 CFM	0 CFM	700 CFM
RTU-2	4,000 CFM	3,000 CFM	0 CFM	1,000 CFM
NET PRESSURIZATION				300 CFM

CONTROL FUNCTIONS

A. 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.

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.

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	NAIROL	4320A TYPE L	PROVIDE WITH INTEGRAL OBD
CD2	PERFORATED CEILING DIFFUSER	24" X 12"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAIROL	4320A TYPE L	PROVIDE WITH INTEGRAL OBD, REMOVE 4-WAY DEFLECTORS
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAIROL	4330R TYPE S	PROVIDE INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAIROL	4330R TYPE L	
RG3	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAIROL	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	NAIROL	51DH	PROVIDE WITH INTEGRAL OBD

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