

**GRILLS, REGISTERS, AND DIFFUSERS 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 INTEGRAL OBD
CD2	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	GYP CEILING	GC	GC	NAILOR	4320A TYPE S	PROVIDE INTEGRAL OBD, REMOVE 4-WAY DEFLECTOR
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	GYP CEILING	GC	GC	NAILOR	4330R TYPE S	PROVIDE INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	24" X 24"	ALUMINUM	WHITE	GYP CEILING	GC	GC	NAILOR	4330R TYPE S	
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	AIR CONCEPTS	ANR-8	PROVIDE FACE-ACCESSIBLE OBD
SR2	SINGLE DEFLECTION SUPPLY REGISTER	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	NAILOR	515H	PROVIDE INTEGRAL OBD

**UNIT HEATER SCHEDULE**

TAG	DESCRIPTION	MOUNTING	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			POWER	V/P/H			MANUFACTURER	MODEL	
UH-1	CEILING-MOUNTED UNIT HEATER	CEILING	3 kW	208/1/60	GC	GC	INDECO	931U04000V	

**FAN SCHEDULE**

TAG	DRIVE TYPE	EXHAUST FLOW [CFM]	E.S.P. [in W.C.]	WEIGHT [lbs]	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
					MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
EF-1	DIRECT	2550 CFM	1.20 in-wg	400	2	208/3/60	HS	GC	CAPTIVE-AIRE	DU180HFA	FURNISHED WITH DISCONNECT AND VENTED ROOF CURB
EF-2	DIRECT	150 CFM	0.30 in-wg	50	0.22 HP	120/1/60	HS	GC	CAPTIVE-AIRE	CFA400CA	WITH DISCONNECT, VARIABLE SPEED CONTROLLER, BACKDRAFT DAMPER, AND INLINE ADAPTER KIT

**LOUVER SCHEDULE**

TAG	DESCRIPTION	SIZE	FREE AREA	FLOW	PRESSURE DROP	MATERIAL	FINISH	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
										MANUFACTURER	MODEL	
LV-1	DRAINABLE OA INTAKE LOUVER	18" X 24"	0.91 SF	150 CFM	0.04 in-wg	ALUMINUM	To Match Storefront	GC	GC	RUSKIN	ELF6375DX	WITH BIRD SCREEN & MOUNTING SYSTEM COMPATIBLE WITH WALL
LV-2	DRAINABLE OA INTAKE LOUVER	18" X 42"	2.31 SF	150 CFM	0.04 in-wg	ALUMINUM	To Match Storefront	GC	GC	RUSKIN	ELF6375DX	WITH BIRD SCREEN & MOUNTING SYSTEM COMPATIBLE WITH WALL

**MAKEUP AIR UNIT SCHEDULE**

TAG	DESCRIPTION	AIRFLOW		HEATING CAPACITY				APPROXIMATE WEIGHT [lbs]	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
		SUPPLY FLOW [CFM]	E.S.P. [in. W.C.]	INPUT [MBH]	OUTPUT [MBH]	MAXIMUM TURNDOWN	EAT		MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
MAU-1	MAKEUP AIR UNIT	1600	0.80	130	120	12.5:1	4 °F	650	1 HP	208/3/60	THS	GC	CAPTIVE-AIRE	A1-D.250-15D	INDOOR SIDE DISCHARGE, FURNISHED WITH DISCONNECT, UNISTRUT BASE, AND WASHABLE ALUMINUM FILTERS

**CONDENSING UNIT SCHEDULE**

TAG	DESCRIPTION	NOMINAL CAPACITY [TONS]	NUMBER OF COMPRESSORS	NUMBER OF CIRCUITS	REFRIGERANT TYPE	REFRIGERANT CHARGE	WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
								MOC	FLA	V/P/H			MANUFACTURER	MODEL	
CU-1	SPLIT-SYSTEM CONDENSING UNIT	3	1	1	R-410A	16	300	30 A	19.0 A	208/1/60	HES	GC	HEIL	N4H436GKP	FURNISHED WITH CRANKCASE HEATER, HARD START KIT, AND WALL MOUNT KIT
CU-2	SPLIT-SYSTEM CONDENSING UNIT	3	1	1	R-410A	16	300	30 A	19.0 A	208/1/60	HES	GC	HEIL	N4H436GKP	FURNISHED WITH CRANKCASE HEATER, HARD START KIT, AND WALL MOUNT KIT
CU-3	SPLIT-SYSTEM CONDENSING UNIT	3	1	1	R-410A	16	300	30 A	19.0 A	208/1/60	HES	GC	HEIL	N4H436GKP	FURNISHED WITH CRANKCASE HEATER, HARD START KIT, AND WALL MOUNT KIT
CU-4	SPLIT-SYSTEM CONDENSING UNIT	3	1	1	R-410A	16	300	30 A	19.0 A	208/1/60	HES	GC	HEIL	N4H436GKP	FURNISHED WITH CRANKCASE HEATER, HARD START KIT, AND WALL MOUNT KIT
CU-5	WALK-IN COOLER REMOTE CONDENSING UNIT	--	1	1	R-448A	9.9	200	15 A	7.2 A	208/3/60	WCS	GC	EVERIDGE	RF0130E4SEA	FURNISHED WITH WALK-IN COOLER
CU-6	ICE MAKER - REMOTE CONDENSER	--	0	1	R-404A	11 lbs 7.4 oz	100			120/1/60	KES	GC	-	-	FURNISHED WITH ICE MAKER
CU-7	ICE MAKER - REMOTE CONDENSER	--	0	1	R-404A	11 lbs 7.4 oz	100			120/1/60	KES	GC	-	-	FURNISHED WITH ICE MAKER

**AIR HANDLING UNIT SCHEDULE**

TAG	DESCRIPTION	NOMINAL CAPACITY [TONS]	EER	AIRFLOW			COOLING CAPACITY				HEAT PUMP HEATING CAPACITY [MBH]	SUPPLEMENTAL GAS HEAT			ELECTRICAL			BASIS FOR DESIGN		REMARKS					
				TOTAL [CFM]	OA [CFM]	ESP [in. W.C.]	NET TOTAL [MBH]	NET SENSIBLE [MBH]	EAT [Deg. F]	COND. EAT [Deg. F]		INPUT [MBH]	OUTPUT [MBH]	HEATING EAT [Deg. F]	NUMBER OF CIRCUITS	APPROXIMATE WEIGHT [lbs]	MOC	FLA	V/P/H		FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	
AHU-1	KITCHEN SPLIT-SYSTEM AIR HANDLING UNIT	4	11.5	1350	150	0.8	37	24	79	68	95	19.2	52	41	60 °F	1	200	15 A	10.9 A	208/1/60	HES	GC	YORK	TM8Y	
AHU-2	KITCHEN SPLIT-SYSTEM AIR HANDLING UNIT	4	11.5	1350	150	0.8	37	24	79	68	95	19.2	52	41	60 °F	1	200	15 A	10.9 A	208/1/60	HES	GC	YORK	TM8Y	
AHU-3	DINING ROOM SPLIT-SYSTEM AIR HANDLING UNIT	4	11.5	1350	300	0.8	37	24	79	68	95	19.2	52	41	60 °F	1	200	15 A	10.9 A	208/1/60	HES	GC	YORK	TM8Y	
AHU-4	DINING ROOM SPLIT-SYSTEM AIR HANDLING UNIT	4	11.5	1350	300	0.8	37	24	79	68	95	19.2	52	41	60 °F	1	200	15 A	10.9 A	208/1/60	HES	GC	YORK	TM8Y	

**KITCHEN HOOD SCHEDULE**

TAG	DESCRIPTION	MAX COOKING TEMP.	EXHAUST PLENUM						PERFORATED SUPPLY PLENUMS										BASIS FOR DESIGN				REMARKS			
			AIRFLOW [CFM]	SP [in. W.C.]	DUCT COLLARS			SP [in. W.C.]	SUPPLY PLENUM LENGTH	SUPPLY PLENUM WIDTH	MAU PLENUM			AC PLENUM		NUMBER OF LIGHT FIXTURES	APPROXIMATE WEIGHT [lbs]	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL					
					NO.	WIDTH	LENGTH				AIRFLOW [CFM]	DUCT COLLARS	AIRFLOW [CFM]	DUCT COLLARS												
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600°F	2550	0.97	1	10"	24"	12'-9"	4'-3"	0.1	13'-9"	19"	1600	3	6"	28"	550	6	8"	8	1100	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPS-P	MAT'L: 18 GA. TYPE 430 SS. PROVIDE WITH VERTICAL END PANELS, 16" TALL HES FILTERS, INTEGRAL UTILITY CABINET, ANSUL SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

**VIROGUARD SCHEDULE**

TAG	QUANTITY	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN MANUFACTURER
VG-1	1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16" X 16"	CAPTIVE-AIRE DU180HFA	TDC	GC	ENVIROMATIC

**SANITIZING EQUIPMENT SCHEDULE**

TAG	COUNT	DESCRIPTION	FURNISH ED BY	INSTALLE D 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	4	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.

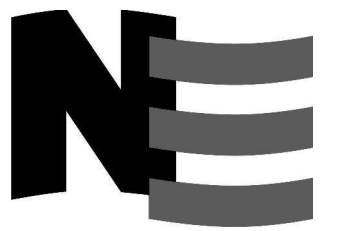
**AIR BALANCE SCHEDULE**

Tag	Supply Flow [CFM]	Return Flow [CFM]	Exhaust Flow [CFM]	Subtotal [CFM]
AHU-1	1350	1200	0	150
AHU-2	1350	1200	0	150
AHU-3	1350	1050	0	300
AHU-4	1350	1050	0	300
EF-1	0	0	2550	-2550
EF-2	0	0	150	-150
MAU-1	1600	0	0	1600
Net Pressurization [CFM]				-200

**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.

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