# VIROGUARD SCHEDULE

			DUCT		FURNISHED	INSTALLED	
TAG	COUNT	DESCRIPTION	CONNECTION SIZE	FAN	BY	BY	
VG-1	1	VIROGUARD HOOD EXHAUST FAN	18" X 18"	CAPTIVE-AIRE	TDC	GC	
		ROOFTOP CONTAINMENT SYSTEM		DU240HFA			

FAN	SCHEDULE										
					ELECT	RICAL			BASIS FO	R DESIGN	
					MOTOR		FURNISHED	INSTALLED			
TAG	DESCRIPTION	AIRFLOW	<b></b>	WEIGHT~	POWER	<b>₩V/₽/₩</b>		<b>~~~₿⋎</b> ~~	MANUFACTURER	MODEL	REMARKS
	UPBLAST UL762 EXHAUST FAN	2,850 CFM	1.20 in-wg	400 lb	3 hp	208/3/60	HS	GC	CAPTIVE-AIRE		DIRECT DRIVE UL762 UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED ROOF CURB. PROVIDE 36" WINDBAND EXTENSION.
	DOWNBLAST RESTROOM EXHAUST FAN	150 CFM	0.60 in-wg	100 lb	0.18 hp	120/1/60	HS	GC	CAPTIVE-AIRE		DIRECT DRIVE DOWNBLAST RESTROOM EXHAUST FAN FURNISHED WITH INTEGRAL DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER, AND CURB

## CONDENSING UNIT SCHEDULE

		NOMINAL	NUMBER	R OF	REFRIC	GERANT			ELECTRICAL		FURNISHED	INSTALLED	BASIS FO	R DESIGN	
TAG	DESCRIPTION	CAPACITY	COMPRESSORS	CIRCUITS	TYPE	CHARGE	WEIGHT	МОСР	FLA	V/P/H	BY	BY	MANUFACTURER	MODEL	REMARKS
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
	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
	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

					HEATING			ELECT	RICAL			BASIS FC	DR DESIGN	
								MOTOR		FURNISHED	INSTALLED			
TAG	DESCRIPTION	AIRFLOW	E.S.P.	INPUT	OUTPUT	EAT	WEIGHT	POWER	V/P/H	BY	BY	MANUFACTURER	MODEL	REMARKS
MAU-1	DIRECT-FIRED MAKEUP AIR	1,950 CFM	0.80 in-wg	225,000 Btu/h	220,000 Btu/h	9 °F	650 lb	2 hp	208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-15D	2.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF
	UNIT													CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS

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KIIC	HEN HOUD SCI	IEDULI																							
					EXHA	UST PLENI	JM					PER	FORAT	ED SUPPL	Y PLENUN	15							BASIS FC	DR DESIGN	
		MAX				DUCT COL	LARS						MAU P	PLENUM		A	C PLE	NUM	NO. OF						
		COOKING											0	DUCT COL	LARS		DU	CT COLLARS	LIGHT		FURNISHED	INSTALLED			
TAG	DESCRIPTION	TEMP.	AIRFLOW	E.S.P.	NO.	WIDTH	LENGTH	LENGTH	WIDTH	LENGTH	WIDTH	AIRFLOW	NO.	WIDTH	LENGTH	AIRFLOW	NO.	. DIAMETER	FIXTURES	WEIGHT	BY	BY	MANUFACTURER	MODEL	
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600 °F	2,850 CFM	0.86 in-wg	2	10"	1' - 3"	14' - 3"	4' - 3"	15' - 3"	1' - 10"	1,950 CFM	4	10"	2' - 0"	800 CFM	7	8"	10	1,200 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPSP	-F MAT'L: 18 GA. TYPE 430 VERTICAL END PANELS, SENSOR, PREWIRE PAC

## **ROOFTOP UNIT SCHEDULE**

				AIRFLOW			NET COO	LING CAPACIT	Y	HEA	TING CAPA	СІТҮ	NUMBER OF	REF	RIGERANT	Г		E	ELECTRICA	AL			BASIS FOR	DESIGN	
	NOMINAL							EAT	COND.												FURNISHED	INSTALLED			
TAG DESCRIPTION	CAPACITY	EER	TOTAL	OA	E.S.P.	TOTAL	SENSIBLE	DB V	B EAT	INPUT	OUTPUT	EAT	COMPRESSORS CIRCU	UITS TYPE	E CHAF	RGE W	EIGHT I	МОСР	FLA	V/P/H	BY	BY	MANUFACTURER	MODEL	REMARKS
RTU-1 KITCHEN ROOFTOP UNIT	10 ton	12	3,500 CFM	750 CFM	0.80 in-wg	118,600 Btu/h	75,000 Btu/h	78.2 °F 67.	3 °F 95 °F	180,000 Btu/h	144,000 Btu/h	53.2 °F	2 2	R-410	A 15.8	lb 1,	350 lb	50 A	44.9 A	208/3/60	HES	GC	YORK	ZJ120	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOT KEYED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTACLE
RTU-2 DINING ROOM ROOFTOP UNIT	5 ton	12.2	1,800 CFM	400 CFM	0.80 in-wg	59,200 Btu/h	36,800 Btu/h	78.4 °F 67	°F 96 °F	120,000 Btu/h	96,000 Btu/h	51.7 °F	1 1	R-410	A 8.3	lb 1,	150 lb	35 A	24.9 A	208/3/60	HES	GC	YORK	ZJ061	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOT KEYED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, & UNIT-MOUNTED CONVENIENCE RECEPTACLE

# AIR BALANCE SCHEDULE

			EXHAUST	
TAG	SUPPLY FLOW	<b>RETURN FLOW</b>	FLOW	SUBTOTAL
EF-1	0 CFM	0 CFM	2,850 CFM	-2,850 CFM
EF-2	0 CFM	0 CFM	150 CFM	-150 CFM
MAU-1	1,950 CFM	0 CFM	0 CFM	1,950 CFM
RTU-1	3,500 CFM	2,750 CFM	0 CFM	750 CFM
RTU-2	1,800 CFM	1,400 CFM	0 CFM	400 CFM
NET PRESSURIZA	TION			100 CFM

NET PRESSURIZATION

# **AIR TERMINAL SCHEDULE**

						FURNISHED	INSTALLED	BASIS FOR D	ESIGN	
TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	BY	BY	MANUFACTURER	MODEL	NOTES
BS1	BATHROOM AIR PURIFICATION UNIT		STAINLESS STEEL	STAINLESS STEEL	SURFACE MOUNT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTION
CD1	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD
CD2	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4320A TYPE S	PROVIDE WITH INTEGRAL OBD
CD4	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4320A TYPE S	PROVIDE WITH INTEGRAL OBD, REMOVE 4-WAY DEFLECTORS
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	PROVIDE INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L	
RG2	PERFORATED CEILING RETURN	24" X 24"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	SEIHO	NT10	PROVIDE WITH FACE-ACCESSIBLE OBD
SR2	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	ALUMINUM	DUCT	GC	GC	SEIHO	NTX 8R	PROVIDE WITH FACE-ACCESSIBLE OBD

**BASIS FOR DESIGN** MANUFACTURER ENVIROMATIC

#### **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.

REMARKS E 430 SS. FURNISHED WITH LED LIGHT FIXTURES, 16" TALL HE SS FILTERS, NELS, INTEGRAL UTILITY CABINET, ANSUL SYSTEM, DUCT COLLAR TEMPERATURE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

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#### INSTALL RGF REME HALO UV AIR PURIFIER PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS

SIDE OF ROOFTOP UNIT

PROVIDE SILCONE SEALANT BETWEEN JUNCTION BOX AND SIDE OF RTU FOR A WEATHERPROOF AND AIR-TIGHT SEAL.

INSTALL TRANSFORMER

FURNISHED WITH REME

HALO IN JUNCTION BOX.

CONNECT TRANSFORMER

SECONDARY TO REME HALO

USING THE INCLUDED PLUG.

PROVIDE 120V POWER TO JUNCTION BOX PER ELECTRICAL DRAWINGS. CONNECT TO TRANSFORMER

12" X 12" X 6"

WEATHERPROOF PVC

SURFACE MOUNT

JUNCTION BOX

GASKETTED JUNCTION BOX COVER. INSTALL UV WARNING STICKER ON OUTSIDE FACE OF COVER.

WITHIN JUNCTION BOX.

**INSTALLATION LOCATION** 

INSTALL AIR PURIFIER WITH JUNCTION BOX ON OUTSIDE FACE OF ROOFTOP UNIT AND WITH UV LAMP TUBE EXTENDING INTO THE INTERIOR OF THE ROOFTOP UNIT. FIELD VERIFY EXACT LOCATION TO AVOID DAMAGING, TOUCHING, OR INTERFERING WITH ANY RTU INTERIOR COMPONENTS. INSTALLATION LOCATION SHALL BE AS FOLLOWS:

TRANE: INSTALL INTO THE SUPPLY AIR STREAM THROUGH THE REMOVABLE PANEL COVERING THE HORIZONTAL DISCHARGE SUPPLY AIR OPENING.

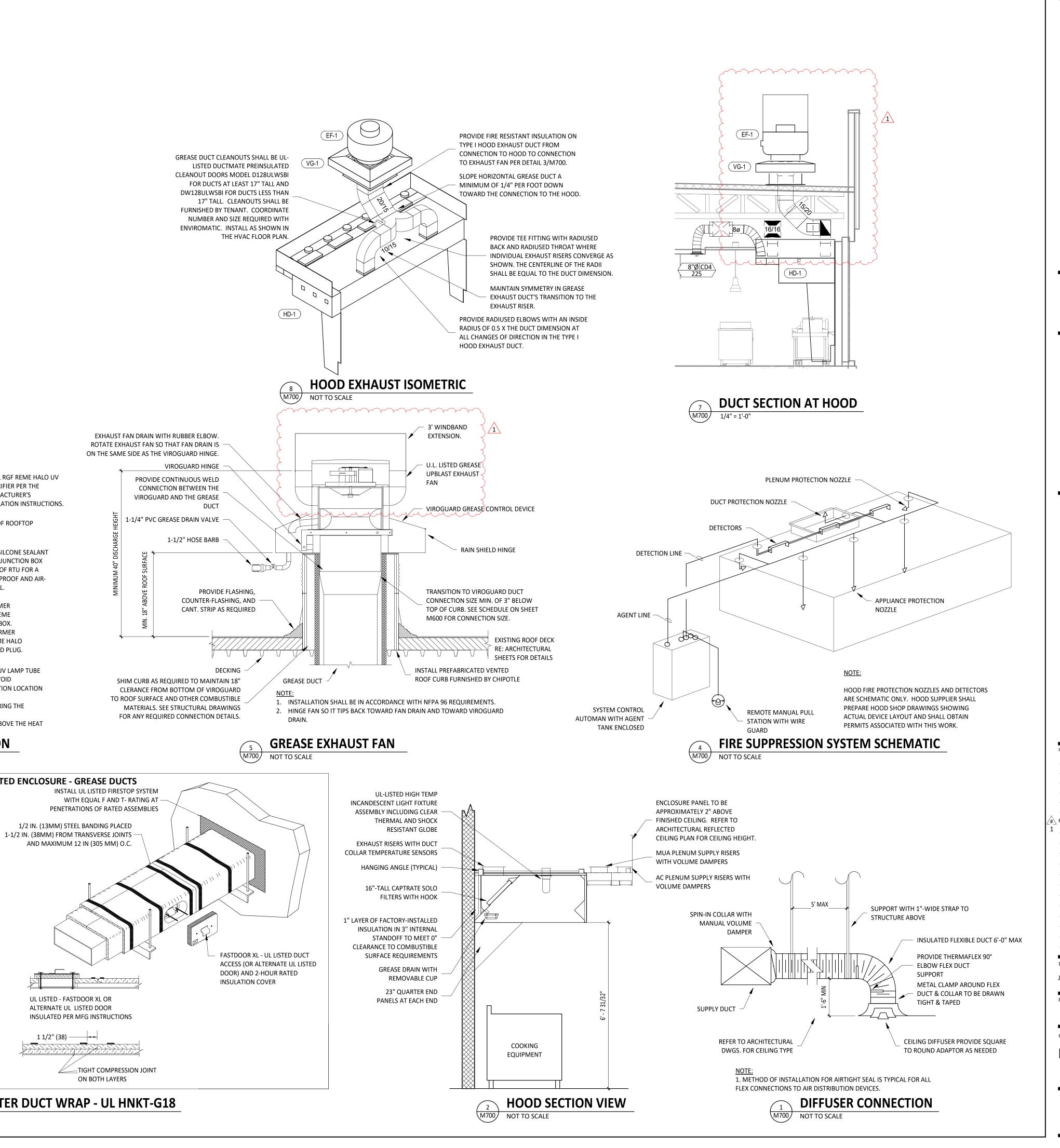
YORK: INSTALL INTO THE SUPPLY AIR PLENUM FROM THE BACK SIDE OF THE UNIT JUST ABOVE THE HEAT EXCHANGER.

#### **UV AIR PURIFIER INSTALLATION** M700 NOT TO SCALE

#### FIRE RATED ENCLOSURE - GREASE DUCTS

- 1. THERMAL CERAMICS FIREMASTER FASTWRAP XL IS TESTED TO ASTM E2336 AND UL LISTED PER HNKT.G18 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND TO PROVIDE A 1- OR 2-HOUR ENCLOSURE. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH ASTM E 814 (UL 1479). ICC CODE EVALUATION PER REPORT UL ER 14229-01. 2. COMPLIANT TO THE FOLLOWING CODES: NFPA 96 INTERNATIONAL MECHANICAL CODES UNIFORM MECHANICAL CODE. CALIFORNIA MECHANICAL CODE 3. INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON BOTH LAYERS AT ALL JOINTS. 4. MINIMUM 16 GAUGE CARBON STEEL (OR 18 GAGE STAINLESS STEEL) RECTANGULAR OR ROUND GREASE EXHAUST DUCT 5. INSTALL UL LISTED AND LIQUID TIGHT THERMAL CERAMICS FASTDOOR XL ACCESS DOORS, OR ALTERNATE DOOR UL LISTED PER UL1978, AT ALL CHANGES IN DIRECTION AND AT MINIMUM EVERY 20 FT ON HORIZONTAL RUNS. 6. SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE MINIMUM OF 3/8 IN. DIAMETER AND SUPPORTS ARE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM. 7. THERMAL CERAMICS DUCT WRAP SHALL BE INSTALLED DIRECTLY ONTO THE DUCT AND APPLIED FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN. 8. THERMAL CERAMICS DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS
- INSTRUCTIONS AND UL LISTINGS.





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