

EXHAUST FAN INFORMATION - Job#2617217

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SDNES
1	EF-1	NCA16FA	3250	0.500	993	1.500	0.7270	3	208	4.6	193	13.7
2	EF-2	NCA16FA	2275	0.250	697	0.750	0.2620	3	208	2.5	186	7.7
3	EF-3	NCA16FA	2600	0.400	820	1.000	0.4230	3	208	3.4	188	10.4

MUA FAN INFORMATION - Job#2617217

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SDNES	BURNER EFFICIENCY(%)
4	MUA-1	A3-D.750-G18	G18-PB	A3-D.750	7075	0.750	871	7.500	4.4070	3	208	21.1	1204	16.1	92

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTUS	OUTPUT BTUS	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
4	MUA-1	589686	542511	71 deg F	7 in. w.c. - 14 in. w.c.	Natural

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1	EF-1 FRONT LEFT	1 - Grease Box
		1 - Full Crating For Exhaust Fans
		1 - Fan Base Ceramic Seal - For Grease Ducts
2	EF-2 FRONT RIGHT	1 - Grease Box
		1 - Full Crating For Exhaust Fans
		1 - Fan Base Ceramic Seal - For Grease Ducts
3	EF-3 BACK	1 - Grease Box
		1 - Full Crating For Exhaust Fans
		1 - Fan Base Ceramic Seal - For Grease Ducts
4		1 - AC Interlock Relay - 24VAC Coil
		1 - Motorized Backdraft Damper for A3-D Housing
		1 - Full Crating For Commercial Heater
		1 - Low Fire Start
		1 - Inlet Pressure Gauge, 0-35"
		1 - Manifold Pressure Gauge, -5 to 15" wc

FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	EF-1	YES						
2	EF-2	YES						
3	EF-3	YES						
4					YES		YES	

CURB ASSEMBLIES

NO.	DN FAN	WEIGHT	ITEM	SIZE
1	EF-1	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
2	EF-2	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
3	EF-3	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
4	MUA-1	96 LBS	Curb	35.000"W x 84.000"L x 24.000"H Insulated

RESTROOM EXHAUST FANS SCHEDULE

TAG	AIRFLOW CFM	STATIC PRESSURE "W.G.	RPM	MOTOR AMPS	MOTOR VOLTAGE	GREENHECK MODEL	DRIVE TYPE	ACCESSORIES
EF-4	80	.25	794	1.14	120-1-60	SP-B110	DIRECT	#1 AND #2

1. SPEED CONTROL-SHIPED LOOSE
2. LIGHTED GRILLE-26W BULB INCLUDED

GRAVITY VENTILATOR SCHEDULE

TAG	AIRFLOW CFM	UNIT SIZE	GREENHECK MODEL	ACCESSORIES
GV	240	10	GRSR	#1 AND #2

1. STEEL ROOF CURB
2. BACKDRAFT DAMPER

DIFFUSER AND GRILLE SCHEDULE

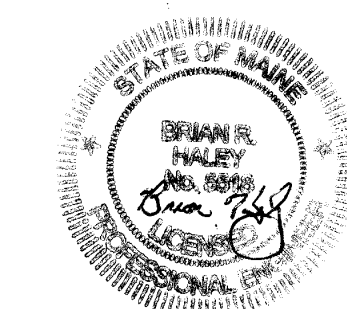
TAG	NECK SIZE	TYPE	MATERIAL	PATTERN	MOUNT	ACCESSORIES	MODEL	MANUFACTURER
SD-1	12"x 6"	DUCT MOUNTED SUPPLY	ALUMINUM	DBL. DEFLECTION	SURFACE	OBD	DMGDR	KRUEGER
SD-2	6"Ø	PLAQUE STYLE DIFFUSER	STEEL	3-WAY	LAY-IN	-	SPD31	PRICE
SD-3	8"Ø	PLAQUE STYLE DIFFUSER	STEEL	4-WAY	LAY-IN	-	SPD31	PRICE
SD-4	10"Ø	PLAQUE STYLE DIFFUSER	STEEL	4-WAY	LAY-IN	-	SPD31	PRICE
SD-5	10"x10"	SIDEWALL REGISTER	STEEL	DOUBLE DEFLECTION	SURFACE	OBD	520SD	PRICE
RG-1	18"x18"	CUBE CORE RETURN	ALUMINUM	NA	SURFACE	-	80	PRICE
RG-2	22"x22"	CUBE CORE RETURN	ALUMINUM	NA	LAY-IN	-	80	PRICE
RG-3	12"x12"	CUBE CORE RETURN	ALUMINUM	NA	SURFACE	-	80	PRICE

EXISTING ROOFTOP UNITS SCHEDULE

TAG	COOLING CAPACITY TONS	HEATING INPUT MBH	HEATING OUTPUT MBH	AIRFLOW CFM	MCA	MOTOR VOLTAGE	YORK MODEL	DRIVE TYPE	ACCESSORIES
RTU-1	3	100	80	1200	28.7	208-1-60	ZF036N08A1AAA1A	DIRECT	ADD OUTSIDE AIR HOOD
RTU-2	4	120	100	1600	35.5	208-1-60	ZF048N10A1AAA1A	DIRECT	ADD OUTSIDE AIR HOOD

INSTALLATION NOTES

1. INSULATE ALL INTERIOR SUPPLY DUCTWORK WITH 2" FSK DUCT WRAP.
2. INSULATE ALL EXTERIOR MAKEUP AIR DUCTWORK WITH 2" RIGID URETHANE BOARD AND COVER WITH FLEX CLAD 400 PROTECTIVE MEMBRANE.
3. INSULATE ALL GREASE DUCT WITH TWO (2) LAYERS OF 1½" 3M 615+ DUCT WRAP OR EQUAL.
4. DESIGN ALL HOOD MAKEUP AND HVAC DUCTWORK AT 2" W.G. AND SEAL PER SMACNA CLASS B SEALING STANDARDS.
5. USE SPIRAL DUCT IN EXPOSED AREAS.
6. PAINT ALL VISIBLE DUCTWORK BEHIND GRILLES FLAT BLACK.
7. KITCHEN HOOD EXHAUST DUCTWORK SHALL BE CONTINUOUSLY WELDED 16 GAUGE STEEL INSTALLED IN ACCORDANCE WITH NFPA 96 REQUIREMENTS.



FOR CONSTRUCTION

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Since 1917



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DATE: 05/12/16

SCALE: NTS

**FORQ FOOD LAB
PORTLAND, MAINE
DETAILS AND SCHEDULES**

HVAC

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