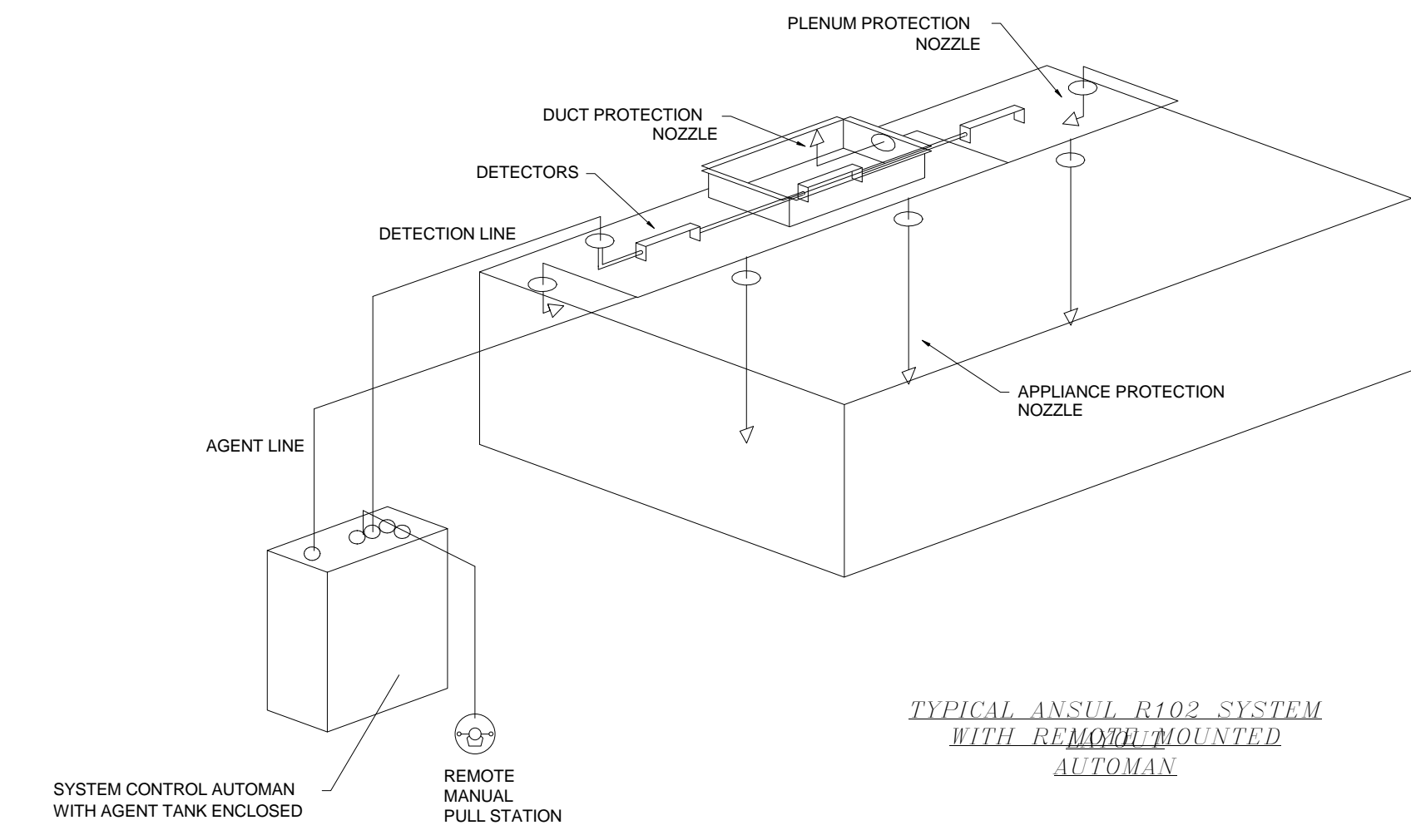


Job #: 2870227
 Job Name: Hall Elementary School - Portland
 Drawn By:
 System Size: ANSUL-3.0-WC Total FP required: 10
 Hood # 1 Size: 0' x 0'
 Hood # 2 Size: 7' x 7'
 Hood # 3 Size: 3' x 3'

NOTES
 - FIELD PIPE DROPS AS SHOWN
 - SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
 - MAXIMUM 9 ELBOWS IN SUPPLY LINE
 - MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE
 - IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6' ABOVE THE TOP OF THE HOOD
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE
 - THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

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SPECIFICATIONS
 THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH LINDSAY-WALKER LABORATORIES, INC. (U.S.A.)
 THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS
 THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE
 THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/ LINKAGE ASSEMBLY.

Fire System Information

FIRE SYSTEM NO.	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0	10	Wall Mount Left	N/A

GAS

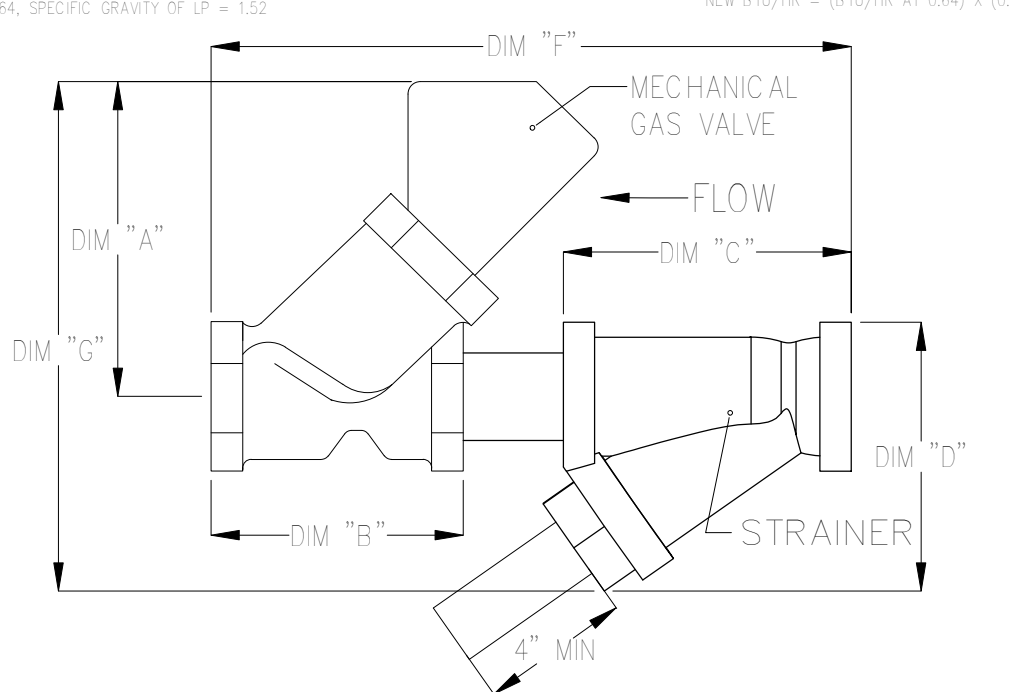
FIRE SYSTEM NO.	TAG	TYPE	SIZE	SUPPLIED BY
1		Mechanical	1,000	CaptiveAire Systems

Fire System Parts List

FIRE SYSTEM NO.	TAG	KEY NUMBER - PART DESCRIPTION	QTY. BY FACTORY	QTY. BY DIST.
		0 - 0 - 43-12733 AIR CYLINDER ASSEMBLY - Air Cylinder and Tubing for Mechanical Gas Values (Ansil Part #15733)	1	0
		0 - 0 - METAL-CARBON BLOWOFF CAP - Metal	7	0
		1 - 1 - AT - 3.0 TANK (R15) - 3.0 Gallon SS Tank (for use with Automax Release, Actuator, or SS Enclosure (UL/ULC)) Macola # 41-50962	1	0
		01-50962 OEM REGULATED RELEASE - Ansil Regulated Mechanical Release/Blocker Assembly, OEM R-102, Cartridge Detection (Includes Ansil Part #7950)	1	0
		5 - 5 - LIQ-3.0 AGENT - Ansilux Low PH Wet Chemical Agent, 3 Gallon (UL) 79372	0	1
		7 - 7 - 101-20 CARTRIDGE - Carbon Dioxide 101-20, 3 Gallon Cartridge (R-102)	0	1
		10 - 10 - TUBING LINK - Test Link (1 test only Ansil Part # 24016, Macola # 20-24016)	0	1
		11 - 11 - MICRO-SDA MICROSWITCH KIT: Includes 2 switches and Mounting Hardware, Single Dual Electric Switch, One Standard Switch, One Alarm Duty Switch Ansil Part #437155, Macola # 09-437155	1	0
		14 - 14 - 419338 NOZZLE - 1W Nozzle, Duct/Appliance (Replaces ANSUL Part# 419347, CAS Part# 419338) A0001266	2	0
		16 - 16 - 419335 NOZZLE - 1N Nozzle, Plenum/Appliance (Replaces ANSUL Part# 419346, CAS Part# 419335) A0001266	2	0
		24 - 24 - 419341 NOZZLE - 260 Nozzle, Appliance (Replaces ANSUL Part# 419352, CAS Part# 419341) A0001271	3	0
		25 - 25 - 418569 NOZZLE ADAPTOR - Swivel Nozzle Adaptor (Replaces CAS Part # 418569) A0001274	3	0
		26 - 26 - GSA-3/8 QUIK SEAL - 3/8" (UL)	7	0
		27 - 27 - GSA-1/2 PULLEY SEAL - 1/2" Hood Seal (UL) Ansil Part # 423253, Macola # 32-79768	5	0
		28 - 28 - S-DET DETECTOR - Series (Sossor Linkage) Ansil Part # 43547/43548 (Old # 41730/43480), Macola # 05-41730	4	0
		29 - 29 - ANS-360F FUSIBLE LINK - 360deg F, R-102 and PIRANHA, Ansil Part # 430088	3	0
		30 - 30 - ANS-500F FUSIBLE LINK - 500deg F, R-102 and PIRANHA, Ansil Part # 430232	1	0
		34 - 34 - RPS-A REMOTE PULL STATION - Red composite (without wire rope) 434618 (Old Macola #05-4325)	1	0
		35 - 35 - PELT PULLEY ELBOW - Low Temp. Pulley Elbow, Set Screw Type Ansil Part # 415670, Macola # 11-415671	3	10
		36 - 36 - PE-HT PULLEY ELBOW - High Temp. Pulley Elbow, Compression Type, Ansil Part # 423251, Macola # 10-45271	4	0

GAS VALVES AND STRAINERS

TYPE	SIZE	MATERIAL	GAS VALVE SIZING		GAS VALVE DIMENSIONS						INSTALLATION	PART NUMBERS	
			MIN. INLET PRESSURE	MAX. INLET PRESSURE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"			DIM "G"
MECHANICAL	1/2"	316	10 PSIG (0.7 BAR)	100 PSIG (7.0 BAR)	3-1/2"	3-3/4"	4-7/8"	3-3/8"	10-5/8"	2-3/4"	HORIZONTAL	25-26881	2412065



- LEGEND - WALL MOUNTED ANSUL SYSTEM**
- 1A 1.5 GALLON TANK
 - 1B 3.0 GALLON TANK
 - 2 AUTOMAX RELEASE
 - 3 3 GALLON TANK ENCLOSURE
 - 3A 6 GALLON TANK ENCLOSURE
 - 4 REGULATED ACTUATOR
 - 5 ANSULEX LIQUID AGENT (3 GAL.)
 - 6 ANSULEX LIQUID AGENT (1.5 GAL.)
 - 7 CARTRIDGE (101-20)
 - 8 CARTRIDGE (101-10)
 - 9 CARTRIDGE (101-30)
 - 9A CARTRIDGE (LT-A-101-30)
 - 9B DOUBLE TANK CARTRIDGE
 - 10 TEST LINK
 - 11 DOUBLE MICROSWITCH
 - 2W DUCT NOZZLE (419337)
 - 1W NOZZLE ASSEMBLY (419336)
 - 1F NOZZLE ASSEMBLY (419333)
 - 1N NOZZLE ASSEMBLY (419335)
 - 1/2N NOZZLE ASSEMBLY (419334)
 - 3N NOZZLE ASSEMBLY (419338)
 - 245 NOZZLE ASSEMBLY (419340)
 - 230 NOZZLE ASSEMBLY (419339)
 - 2120 NOZZLE ASSEMBLY (419343)
 - 290 NOZZLE ASSEMBLY (419342)
 - 260 NOZZLE ASSEMBLY (419341)
 - 28 DETECTOR BRACKET
 - 29 LOW TEMP FUSIBLE LINK
 - 30 HIGH TEMP FUSIBLE LINK
 - MGV MECHANICAL GAS VALVE
 - EGV ELECTRICAL GAS VALVE
 - 34 REMOTE MANUAL PULL STATION
 - S SWIVEL ADAPTOR

MAINE OFFICE

Hall Elementary School - Portland
 23 Orono Rd.,
 PORTLAND, ME, 04102

12/22/2016

2870227

BFC-21

1/2" = 1'-0"

MASTER DRAWING

5

STATE OF MAINE PUBLIC SCHOOL PROJECT	
TITLE PORTLAND PUBLIC SCHOOLS NEW FRED P. HALL ELEMENTARY SCHOOL	
LOCATION 23 ORONO ROAD, PORTLAND, ME	
TITLE THIS DWG. FOODSERVICE EQUIPMENT EXHAUST HOOD DETAILS 4	
DRAWN BY: TJM	CHECKED BY: TJM
NO. DATE	DESCRIPTION
	REVISIONS
DATE	03/17/17