Fire System Information – Job#2174581

FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0	6	Wall Mount ~~Left~~ Right	N/A

Fire System Parts List Key

FIRE SYSTEM NO.	TAG	KEY NUMBER – PART DESCRIPTION	QTY. BY FACTORY	QTY. BY DIST.
1		1 – 1 – AT – 3.0 TANK(#1B) – 3.0 Gallon SS Tank (for use with Automan Release, Actuator, or SS Enclosure (UL/ULC))	0	1
1		2 – 2 – AP – AR AUTOMAN RELEASE – Ansul Automan Mechanical Release (UL)429853 Tank sold separately	0	1
1		5 – 5 – LIQ-3.0 AGENT – Ansulex Low PH Wet Chemical Agent, 3 Gallon (UL) 79372	0	1
1		7 – 7 – 101-20 CARTRIDGE – Carbon Dioxide 101-20, 3 Gallon Cartridge (R-102)	0	1
1		10 – 10 – TLINK LINK – Test Link (1 test link)	0	1
1		11 – 11 – MICRO-SDA MICROSWITCH – Single Dual Electric Switch, One Standard Switch, One Alarm Duty Switch 437155	0	1
1		14 – 14 – 419336 NOZZLE – 1W Nozzle, Duct/Appliance (Replaces ANSUL Part# 419347, CAS Part# 419336) A0001266	1	0
1		16 – 16 – 419335 NOZZLE – 1N Nozzle, Plenum/Appliance (Replaces ANSUL Part# 419346, CAS Part# 419335) A0001265	1	0
1		22 – 22 – 419343 NOZZLE – 2120 Nozzle, Appliance (Replaces ANSUL Part# 419354, CAS Part# 419343) A0001273	1	0
1		24 – 24 – 419341 NOZZLE – 260 Nozzle, Appliance (Replaces ANSUL Part# 419352, CAS Part# 419341) A0001271	1	0
1		26 – 26 – QSA-3/8 QUIK SEAL – 3/8" (UL)	4	0
1		27 – 27 – QPSA-1/2 PULLEY SEAL – 1/2" Hood Seal (UL)	1	0
1		28 – 28 – S-DET DETECTOR – Series (Scissor Linkage) NEW#435547/435548 (OLD#417369/434480)	2	0
1		29 – 29 – ANS-360FL FUSIBLE LINK – 360deg F, R-102 and PIRANHA	2	0
1		34 – 34 – RPS-A REMOTE PULL STATION – Red composite (without wire rope) 434618	0	1
1		35 – 35 – PE-LT PULLEY ELBOW – Low Temp. Pulley Elbow, Set Screw Type	0	10
1		36 – 36 – PE-HT PULLEY ELBOW – High Temp Pulley Elbow, Compression Type	1	0
1		37 – 37 – SS-SLV STAINLESS STEEL SLEEVE PER FOOT	5	0
1		38 – 38 – ELB-90 3/8" CHROME PLATED ELBOW – 90 DEG	1	0
1		39 – 39 – ELB-45 3/8" CHROME PLATED ELBOW – 45 DEG	2	0

Date: 05/15/15

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

CITY OF PORTLAND, MAINE · RESURGAM

Fire System Information - Job#2174581

FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0	6	Wall Mount Left	N/A

Fire System Parts List Key

FIRE SYSTEM NO.	TAG	KEY NUMBER - PART DESCRIPTION	QTY. BY FACTORY	QTY. BY DIST.
1		1 - 1 - AT - 3.0 TANK(#1B) - 3.0 Gallon SS Tank (For use with Automan Release, Actuator, or SS Enclosure (UL/ULC))	0	1
1		2 - 2 - AP - AR AUTOMAN RELEASE - Ansul Automan Mechanical Release (UL)429853 Tank sold separately	0	1
1		5 - 5 - LIQ-3.0 AGENT - Ansulex Low PH Wet Chemical Agent, 3 Gallon (UL) 79372	0	1
1		7 - 7 - 101-20 CARTRIDGE - Carbon Dioxide 101-20, 3 Gallon Cartridge (R-102)	0	1
1		10 - 10 - TLINK LINK - Test Link (1 test link)	0	1
1		11 - 11 - MICRO-SDA MICROSWITCH - Single Dual Electric Switch, One Standard Switch, One Alarm Duty Switch 437155	0	1
1		14 - 14 - 419336 NOZZLE - 1W Nozzle, Duct/Appliance (Replaces ANSUL Part# 419347, CAS Part# 419336) A0001266	1	0
1		16 - 16 - 419335 NOZZLE - 1N Nozzle, Plenum/Appliance (Replaces ANSUL Part# 419346, CAS Part# 419335) A0001265	1	0
1		22 - 22 - 419343 NOZZLE - 2120 Nozzle, Appliance (Replaces ANSUL Part# 419354, CAS Part# 419343) A0001273	1	0
1		24 - 24 - 419341 NOZZLE - 260 Nozzle, Appliance (Replaces ANSUL Part# 419352, CAS Part# 419341) A0001271	1	0
1		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL)	4	0
1		27 - 27 - QPSA-1/2 PULLEY SEAL - 1/2" Hood Seal (UL)	1	0
1		28 - 28 - S-DET DETECTOR - Series (Scissor Linkage) NEW#435547/435548 (OLD#417369/434480)	2	0
1		29 - 29 - ANS-360FL FUSIBLE LINK - 360deg F, R-102 and PIRANHA	2	0
1		34 - 34 - RPS-A REMOTE PULL STATION - Red composite (without wire rope) 434618	0	1
1		35 - 35 - PE-LT PULLEY ELBOW - Low Temp. Pulley Elbow, Set Screw Type	0	10
1		36 - 36 - PE-HT PULLEY ELBOW - High Temp Pulley Elbow, Compression Type	1	0
1		37 - 37 - SS-SLV STAINLESS STEEL SLEEVE PER FOOT	5	0
1		38 - 38 - ELB-90 3/8" CHROME PLATED ELBOW - 90 DEG	1	0
1		39 - 39 - ELB-45 3/8" CHROME PLATED ELBOW - 45 DEG	2	0

ThermoTek

JOB Seaside Rehab C
LOCATION PORTLAND,
DATE 1/9/2015
DWG # 3
REV.

Date: 05/15/15

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CITY OF PORTLAND, MAINE

TYPICAL ANSUL R102 SYSTEM LAYOUT WITH REMOTE MOUNTED AUTOMAN

NOTES

- FIELD PIPE DROPS AS SHOWN
  SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, 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

SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

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.

Job #: 2174581
Job Name: Seaside Rehab Center
Drawn By:
System Size: ANSUL-3.0 Total FP required: 6
Hood # 1 4' 0.00" Long x 36" Wide x 24" High
Riser # 1 Size: 14" x 9"

LEGEND - WALL MOUNTED ANSUL SYSTEM

1A	1.5 GALLON TANK
1B	3.0 GALLON TANK
2	AUTOMAN 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

ThermoTek

JOB	Seaside Rehab Ce
LOCATION	PORTLAND,
DATE	1/9/2015
DWG #	5
REV.	

Date: 05/15/15

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CITY OF PORTLAND, MAINE

NOTES
- FIELD PIPE DROPS AS SHOWN
  SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, 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

Job #: 2174581
Job Name: Seaside Rehab Center
Drawn By:
System Size: ANSUL-3.0 Total FP required: 6
Hood # 1 4' 0.00" Long x 36" Wide x 24" High
Riser # 1 Size: 10" x 9"

ThermoTek

JOB	Seaside Rehab C
LOCATION	PORTLAND,
DATE	1/9/2015
DWG #	4
REV.	

Date: 05/15/15

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Approved with Conditions

CITY OF PORTLAND, MAINE