

**FIRE SYSTEM INFORMATION - JOB#4494028**

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		ANSUL R102	3.0	9	FIRE CABINET RIGHT	RIGHT, HOOD 1

**FIRE SYSTEM PARTS LIST KEY**

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
		0 - 0 - TANK STRAP [ANK STRAP - USED FOR ANSUL TANKS.	1	0
		0 - 0 - UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS	1	0
		1 - 1 - AT - 3.0 TANK(1B) - 3.0 GALLON SS TANK (FOR USE WITH AUTOMAN RELEASE, ACTUATOR, OR SS ENCLOSURE (UL/ULC)) MACOLA # 01-429862.	1	0
		3 - 3 - ANS-DEM REGULATED RELEASE - ANSUL REGULATED MECHANICAL RELEASE/BRACKET ASSEMBLY, DEM, R-102, CARTRIDGE DETECTION INCLUDED, ANSUL PART # 79493.	1	0
		5 - 5 - L15-3.0 AGENT - ANSUL EX 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 - TLINK LINK - TEST LINK (1 TEST LINK) ANSUL PART # 24916, MACOLA # 20-24916.	0	1
		11 - 11 - MICRO-SBA MICROSWITCH KIT- INCLUDES 2 SWITCHES AND MOUNTING HARDWARE, SINGLE DUAL ELECTRIC SWITCH, ONE STANDARD SWITCH, ONE ALARM BATTERY SWITCH ANSUL PART # 437155, MACOLA # 08-437155	1	0
		27 - 27 - OPSA-1/2 PULLEY SEAL - 1/2" HOOD SEAL (UL) ANSUL PART # 42923, MACOLA # 32-79768.	1	0
		34 - 34 - RPS-A REMOTE PULL STATION - RED COMPOSITE (WITHOUT WIRE ROPED) 434618 GRB MACOLA #06-434618.	1	0
		35 - 35 - PE-LT PULLEY ELBOW - LOW TEMP PULLEY ELBOW, SET SCREW TYPE ANSUL PART # 415670, MACOLA # 11-415671.	2	0
		36 - 36 - PE-HT PULLEY ELBOW - HIGH TEMP PULLEY ELBOW, COMPRESSION TYPE, ANSUL PART # 42925L, MACOLA # 10-45771.	1	0

**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 COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
- 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.

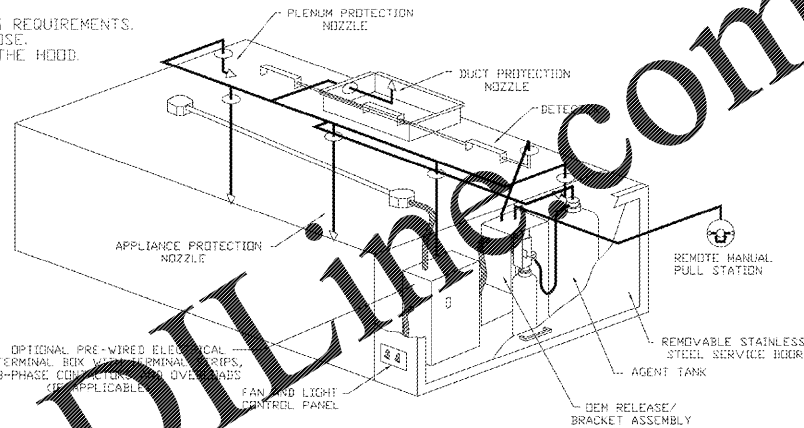
**SPECIFICATIONS**

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).

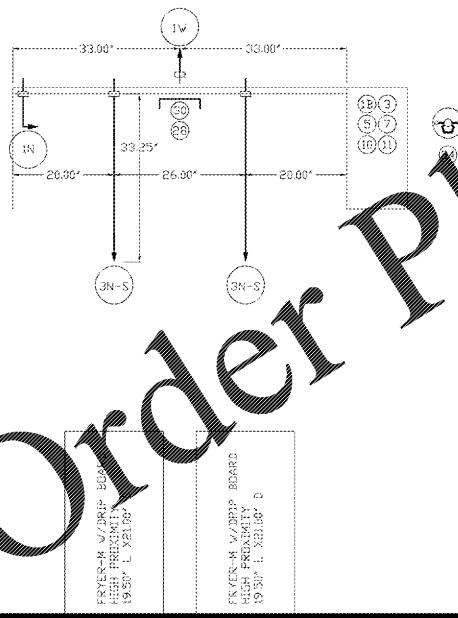
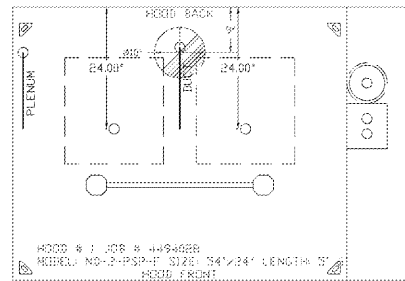
THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

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.



TYPICAL ANSUL R-102 SYSTEM LAYOUT



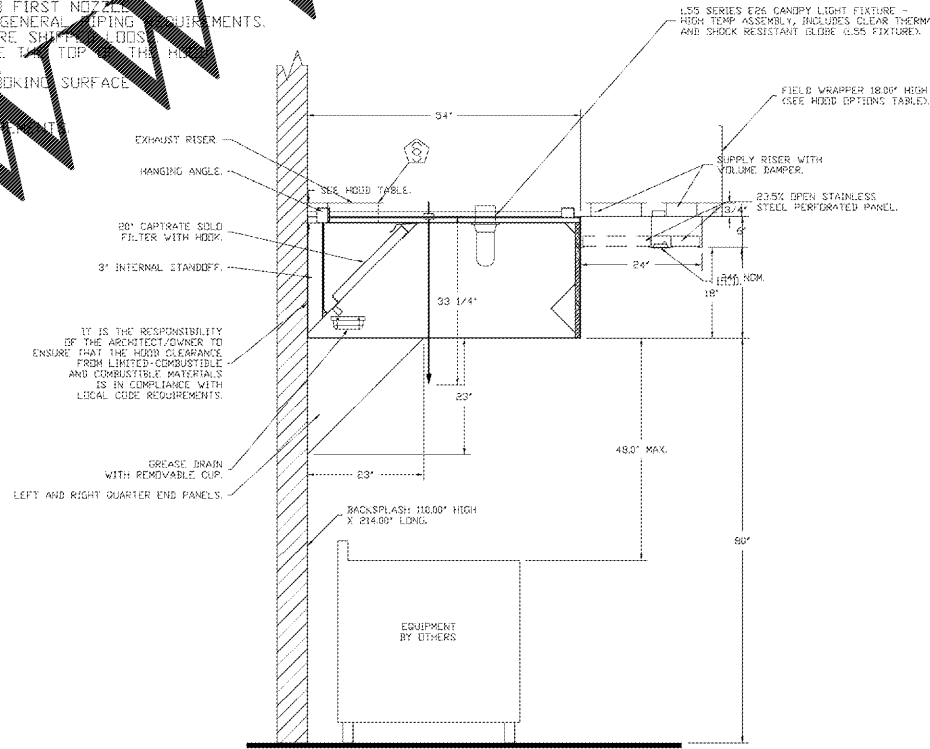
**NOTES**

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- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS.

JOB # 4494028  
JOB NAME: 7-ELEVEN - 1045634 SURFSIDE BEACH, SC  
SYSTEM SIZE: ANSUL-3.0 TOTAL FR REQUIRED: 8.  
HOOD # 1 5' 6.00" LONG X 54" WIDE X 4" HIGH.  
RISER # 1 SIZE: 10" DIA.  
HOOD # 1 METAL BLOW-OFF COPS INCLUDED

**LEGEND - FIRE CABINET ANSUL SYSTEM**

- 1A 1.5 GALLON TANK.
- 1B 3 GALLON TANK.
- 2 DETECTOR RELEASE.
- 3 DEM REGULATED RELEASE.
- 4 DEM REGULATED ACTUATOR.
- 5 ANSUL LIQUID AGENT (3 GAL.).
- 6 ANSUL LIQUID AGENT (1.5 GAL.).
- 7 CARTRIDGE (101-20).
- 8 CARTRIDGE (101-10).
- 9 CARTRIDGE (101-30).
- 9B CARTRIDGE (LT-A-101-30).
- 10 DOUBLE TANK CARTRIDGE.
- 10 TEST LINK.
- 11 DOUBLE MICROSWITCH.
- 12 HOSE ASSEMBLY.
- 1100 DUCT NOZZLE (430913).
- 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).
- 239 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.



SECTION VIEW - MODEL 542AND-2-ACPSP-F HOOD - #1

DUCT NOZZLE AND PLENUM SPRAY BAR LOCATION

**REVISIONS**

NO.	DESCRIPTION	DATE



Seattle Office  
1308 Pacific Ave. Everett, WA, 98201 PHONE: (425) 212-9596 FAX: (425) 212-9598 EMAIL: reg56@capline.com

**CAPLINE**

7-Eleven - 1045634 SURFSIDE BEACH, SC  
1401 Coventry Rd,  
Myrtle Beach, SC, 29575

DATE: 8/25/2020

DWG.#: 4494028

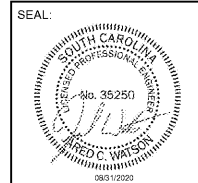
DRAWN BY: A\_CASH 85

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 2

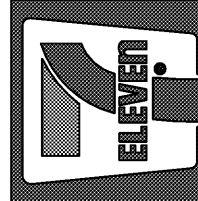
JARED C. WATSON, PE  
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Submissions:

7-ELEVEN, INC.  
3200 HACKBERRY ROAD, IRVING, TEXAS 75063  
7-ELEVEN #1045634  
1401 COVENTRY ROAD  
MYRTLE BEACH, SC 29575



JOB NUMBER: 20022  
CHECKED BY:  
DRAWN BY:  
DATE: 08/31/20

TITLE  
KITCHEN HOOD SUBMITTALS

SHEET:  
M3.1

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