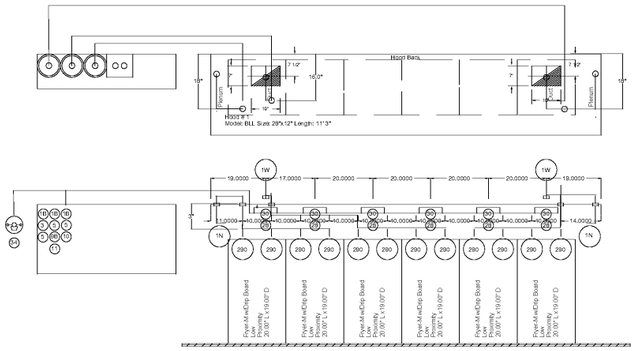


INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST). ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2" PERMIT, AND SYSTEM TEST.
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

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.

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.

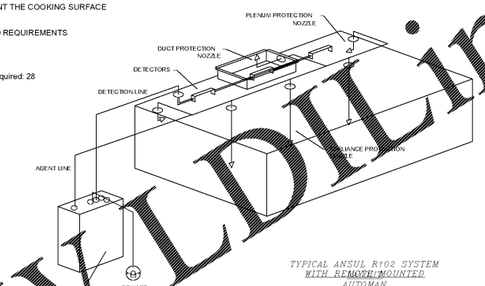
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

Job Name: POPEYES -

System Size: ANSUL-3.0/3.0/3.0-WC Total FP required: 28
Hood # 1 11' 3.00" Long x 28" Wide x 12" High
Riser # 1 Size: 7" x 10"
Riser # 2 Size: 7" x 10"
Hood # 1 Metal Blow-Off Caps included.

LEGEND - FIRE CABINET ANSUL SYSTEM

1A	1.5 GALLON TANK
1B	3 GALLON TANK
2	OEM AUTOMAN RELEASE
3	OEM REGULATED RELEASE
4	OEM 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 (LTA-101-30)
9B	DOUBLE TANK CARTRIDGE
10	TEST LINK
11	DOUBLE MICROSWITCH
12	HOSE ASSEMBLY
1100	DUCT NOZZLE (430913)
2W	DUCT NOZZLE (419337)
1W	NOZZLE ASSEMBLY (419335)
1F	NOZZLE ASSEMBLY (419336)
1N	NOZZLE ASSEMBLY (419338)
1/2N	NOZZLE ASSEMBLY (419334)
3N	NOZZLE ASSEMBLY (419339)
245	NOZZLE ASSEMBLY (419340)
230	NOZZLE ASSEMBLY (419342)
2120	NOZZLE ASSEMBLY (419343)
290	NOZZLE ASSEMBLY (419344)
260	NOZZLE ASSEMBLY (419341)
28	DETECTOR BRACKET
29	LOW TEMP FUSIBLE LINK
30	HIGH TEMP FUSIBLE LINK
34V	MECHANICAL GAS VALVE
34	ELECTRICAL GAS VALVE
35	REMOTE MANUAL PULL STATION
36	SWIVEL ADAPTOR



TYPICAL ANSUL R102 SYSTEM WITH REMOTE MOUNTED AUTOMAN

Fire System Information - Job#4345540

FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0/3.0/3.0	30	Wall Utility Cabinet Left	N/A

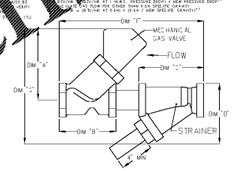
GAS VALVE(S)

FIRE SYSTEM NO.	TAG	TYPE	SIZE	SUPPLIED BY
1		Mechanical	1.500	CaptiveAire Systems

GAS VALVES AND STRAINERS

GAS VALVE SIZING				GAS VALVE DIMENSIONS							PART NUMBERS	
TYPE	NEC	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 W.C. DROP ACROSS NATURAL GAS	FLOW AT 1 W.C. DROP ACROSS PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	GAS VALVE	STRAINER
MECHANICAL	1-1/2"	N/A	5" W.C.	10" W.C.	2,630,000 BTU/HR	1,764,000 BTU/HR	4-1/2"	5-1/2"	3"	11-1/8"	MANSEN No. 34-1587	441N-1/2"

GAS VALVE PER FSM



Fire System Parts List

FIRE SYSTEM NO.	TAG	KEY NUMBER - PART DESCRIPTION	QTY. BY FACTORY	QTY. BY DIST.
1		0 - 0 - 43-15733 AIR CYLINDER ASSEMBLY - Air Cylinder and Tubing for Mechanical Gas Valves (Ansul Part #15733)	1	0
		0 - 0 - 430861 Large BLOWOFF CAP, Metal, to fit New Laser-etched ANSUL Nozzels, A0024201	16	0
		0 - 0 - Tank Strap: Tank Strap - used for ANSUL Tanks	3	0
		0 - 0 - UCTANKBRACKET Tank Bracket for link system tank installation in utility cabinets	3	0
		1 - 1 - AT - 3.0 TANK(FIRE) - 3.0 Gallon SS Tank (for use with Automan Release, Actuator, or SS Enclosure (UL/ULC)) Macola # 01-429962	3	0
		3 - 3 - AND - OEM REGULATED RELEASE - Ansul Regulated Mechanical Release(Bracket Assembly), OEM, R-102, Cartridge Detection Included, Ansul Part # 79493	1	0
		3 - 3 - AP - AE ENCLOSURE - Stainless Steel Enclosure Assembly (UL), Ansul Part # 429970, Macola #01-429970	1	0
		5 - 5 - LIQ-3.0 AGENT - Ansulex Low FH Wet Chemical Agent, 3 Gallon (UL) 79372	0	3
		9 - 9 - DT-CART Double Tank Nitrogen Cartridge	0	1
		10 - 10 - TLINK LINK - TestLink (1 testlink) Ansul Part # 24916, Macola # 20-24916	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 Ansul Part # 437155, Macola #05-437155	1	0
		12 - 12 - HOSE HOSE - Rubber Hose	2	0
		14 - 14 - 419336 NOZZLE - 1W Nozzle, Duct/Appliance (Replaces ANSUL Part# 419347, CAS Part# 419336) A0001266	2	0
		16 - 16 - 419335 NOZZLE - 1N Nozzle, Plenum/Appliance (Replaces ANSUL Part# 419346, CAS Part# 419335) A0001265	2	0
		23 - 23 - 419342 NOZZLE - 290 Nozzle, Appliance (Replaces ANSUL Part# 419353, CAS Part# 419342) A0001272	12	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL)	7	0
		27 - 27 - QPSA-1/2 PULLEY SEAL - 1/2" Hood Seal (UL) Ansul Part # 423253, Macola # 32-79768	1	0
		28 - 28 - S-DET DETECTOR - Series (Scissor Linkage) Ansul Part # 435547/435548 (Old # 417369/434480); Macola # 05-417369	6	0
		30 - 30 - ANS-500FL FUSIBLE LINK - 500deg F, R-102 and PIRANHA, Ansul Part # 439252	6	0
		34 - 34 - RPS-A REMOTE PULL STATION - Red composite (without wire rope) 434618 (Old Macola #06-4805)	1	0
		35 - 35 - PE-LT PULLEY ELBOW - Low Temp. Pulley Elbow, Set Screw Type Ansul Part # 415670, Macola # 11-415671	0	10
		36 - 36 - PE-HT PULLEY ELBOW - High Temp Pulley Elbow, Compression Type, Ansul Part # 425251, Macola # 10-45771	1	0

Order Plans @ WWW.LDILine.com

FRCH NELSON
A NELSON BRAND
311 Elm Street Suite 600
Cincinnati OH 45202
513 241 3000
www.frchnelson.com

LOUISIANA KITCHEN
POPEYES

JPL MANAGEMENT

ISSUE INFORMATION

REVISIONS

△		

POPEYES - Bowling Green, KY
Dishman Lane
Bowling Green, KY, 42101

DATE: 5/6/2020

DWG.#: 4345540

DRAWN BY: Tanderson

SCALE: 3/32" = 1'-0"

MASTER DRAWING

SHEET NO. 2

CAPTIVEAIRE
Northern Ohio Office
888 Montrose Rd Cuyahoga, OH 44320 PHONE: FAX: (216) 221-0505 EMAIL: rlo720@captiveaire.com
www.captiveaire.com

Nelco Architecture, Inc.

STATE OF KENTUCKY JOHN JOSEPH GUILFOIL 30829 LICENSED PROFESSIONAL ENGINEER

05/08/2020

PROJECT INFORMATION

BOWLING GREEN, KY

DISHMAN LANE
BOWLING GREEN, KY 42101

PROJECT #: 11352

SHEET INFORMATION

CAPTIVEAIRE DETAILS

DRAWN BY: ED/ZF/BD
REVIEWED BY: JJG/JWQ
SCALE: 1/2" = 1'-0"
AUTHORIZED FOR: PERMIT

M6

The drawing, pieced or otherwise, is the copyrighted property of Nelco Architecture, Inc. The drawing may not be used, reproduced or copied without the permission of Nelco Architecture, Inc.

5/12/2020 12:24:27 PM C:\Users\eduffy\Documents\11352 - Popeyes - Bowling Green KY_eduffyDFFAU.rvt