

# Saucy Wings - 301 South Main Street Lillington, NC 27546

## GENERAL NOTES:

INSTALLATION PER IFC-2012, NFPA 96, 17A, AND UL 300 STANDARDS AND PER MANUFACTURERS' INSTRUCTIONS/RECOMMENDATIONS DESIGN BASED ON SECTION IV OF ANSUL R-102 INSTALLATION MANUAL

ALL PIPE AND FITTINGS ARE 3/8" SCHEDULE 40 BLACK IRON & CHROME PIPING CONFIGURATIONS & LIMITATIONS ARE TOO LENGTHY TO LIST PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS SEE CHAPTER 4 - DISTRIBUTION PIPING REQUIREMENTS

ACTUATION & EXPPELLENT HOSES, PIPING OR TUBING SHALL BE INSTALLED IN ACCORDANCE WITH CHAPTER 5:"INSTALLING THE ACTUATION & EXPPELLANT GAS LINES"

DETECTION LINE LIMITATIONS SHALL BE INSTALLED IN ACCORDANCE WITH ANSUL'S TECHNICAL MANUAL CHAPTER 4 - SYSTEM DESIGN  
SCISSOR STYLE DETECTORS SHALL BE USED WITHOUT OFF-SET CONDUIT.  
MAXIMUM # OF DETECTORS IS 15. MAXIMUM NUMBER OF CORNER PULLEYS IS 20 WITH A MAXIMUM OF 150' OF 1/2" EMT  
FUSIBLE LINK INSTALLATION SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS  
APPLIANCES WITH A CONTINUOUS COOKING SURFACE UP TO 48" X 48" SHALL BE PROTECTED WITH A SINGLE DETECTOR  
APPLIANCES EXCEEDING 48" X 48" SHALL BE PROTECTED BY MULTIPLE DETECTORS

REMOTE MANUAL PULL STATION(S) SHALL BE INSTALLED ON A PATH OF EGRESS OR EXIT AND IN ACCORDANCE WITH ANSUL TECHNICAL MANUAL CHAPTER 4 - SYSTEM DESIGN  
MAXIMUM NUMBER OF 20 CORNER PULLEYS, 150 FEET OF 1/2" EMT AND (1) TEE PULLEY

MECHANICAL GAS VALVE CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH CODE REQUIREMENTS & CHAPTER 4 - SYSTEM DESIGN OF THE ANSUL R-102 MANUAL  
A MAXIMUM OF 20 CORNER PULLEYS, 150 FEET OF 1/2" EMT AND (1) TEE PULLEY

ELECTRIC GAS VALVES SHALL BE CONNECTED USING A RESET RELAY  
RESET RELAY & ELECTRICAL PORTION OF VALVE INSTALLATION SHALL BE BY A QUALIFIED ELECTRICIAN  
CONFORMANCE WITH NFPA #70 IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR NOT AAFP

CONNECTION TO FIRE ALARM CONTROL PANEL TO BE MADE BY OTHERS WHEN APPLICABLE  
ELECTRICAL DISCONNECTS TO BE PERFORMED BY QUALIFIED ELECTRICIAN, WHEN APPLICABLE  
GAS VALVE TO BE INSTALLED BY A QUALIFIED PLUMBER WHEN APPLICABLE  
CONFORMANCE TO APPLICABLE NFPA CODES FOR ALARM, ELECTRICAL & PLUMBING WORK IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR & IS NOT THE RESPONSIBILITY OF AAFP

CONDITION AND ACCEPTABILITY OF THE EXHAUST HOOD & DUCT IS THE RESPONSIBILITY OF THE OWNER/OPERATOR

APPLIANCES SHOWN ON PLANS ARE REPRESENTATIONAL ONLY - ACTUAL APPLIANCES MAY APPEAR DIFFERENT THAN SHOWN ON PLANS

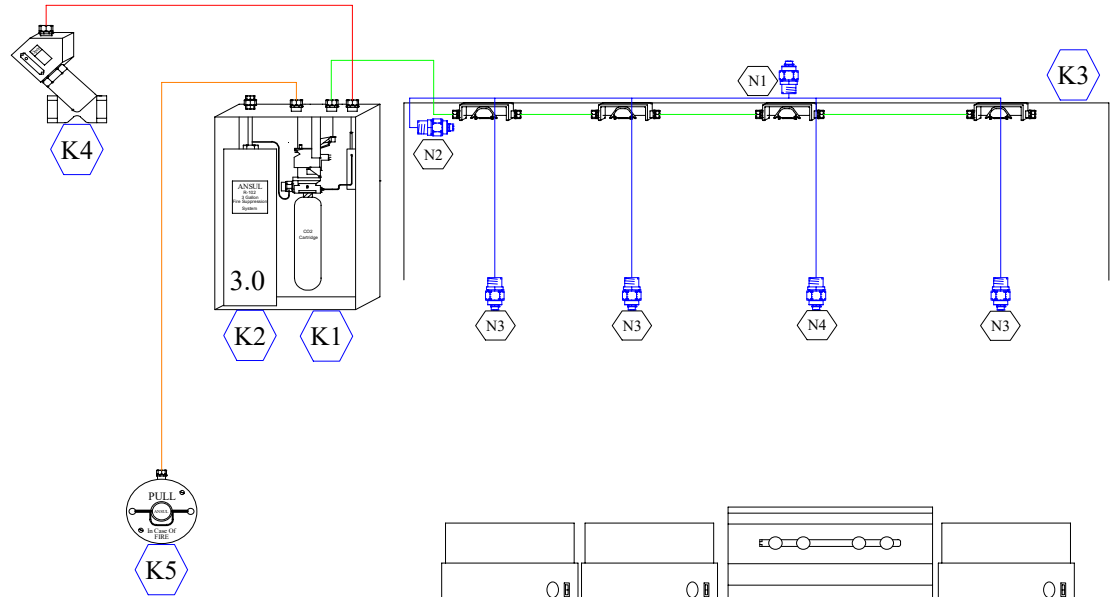
## GENERAL SEQUENCE OF OPERATION - NOT PROJECT SPECIFIC

UPON ACTIVATION OF A FUSIBLE LINK OR REMOTE MANUAL PULL STATION AN ANSUL R-102 WET CHEMICAL FIRE SYSTEM MAY RESULT IN THE FOLLOWING SEQUENCE OF OPERATION:

WET CHEMICAL SHALL DISCHARGE ONTO PROTECTED APPLIANCES & INTO DUCT & PLENUM AREAS OF HOOD SIMULTANEOUSLY, IF CONNECTED, A FIRE ALARM SYSTEM SHALL BE ACTIVATED OR A HORN/STROBE SHALL ACTIVATE (PRECISE OPERATIONS OF FIRE ALARM SYSTEM / CONTROL PANEL ARE NOT THE RESPONSIBILITY OF THE SUPPRESSION SYSTEM CONTRACTOR AND ARE NOT LISTED ON THESE PLANS)  
SIMULTANEOUSLY, ALL GAS APPLIANCES LOCATED UNDER THE HOOD SHALL SHUTDOWN VIA MECHANICAL OR ELECTRICAL GAS VALVE  
SIMULTANEOUSLY, ALL ELECTRICAL EQUIPMENT, PROTECTED OR UNPROTECTED, UNDER THE HOOD SHALL SHUTDOWN SIMULTANEOUSLY, HOOD LIGHTS, AS PERMITTED BY CODE MAY REMAIN ON OR MAY SHUTDOWN  
SIMULTANEOUSLY, INTERNAL MAKE-UP AIR SHALL SHUTDOWN  
SIMULTANEOUSLY, EXTERNAL MAKE-UP AIR MAY REMAIN ON OR MAY SHUTDOWN  
SIMULTANEOUSLY, EXHAUST FAN MAY OR MAY NOT CONTINUE TO OPERATE  
(IF THE EXHAUST FAN IS OFF AT THE TIME OF DISCHARGE, THE FAN MAY OR MAY NOT TURN ON)

## I.D. DESCRIPTION

- K1** NEW R102 CONTROL HEAD CONTAINS (1) CARTRIDGE, (1) SET OF MICROSWITCHES
- K2** CYLINDER #1 - (1) R102 3 GALLON TANK 11 FLOW POINTS AVAIL. 11 USED
- K3** HOOD #1: USED TYPE I EXHAUST HOOD: 8' X 48" W/ A SINGLE BANK OF BAFFLED FILTERS CONTAINS (1) EXHAUST DUCTS: 12" X 12"
- K4** USED MECHANICAL GAS VALVE LOCATED ABOVE THE CEILING
- K5** USED REMOTE MANUAL PULL STATION LOCATED 48" A.F.F. ON PATH OF EGRESS OR EXIT



## I.D. NOZZLE DESCRIPTION

### 2W NOZZLE: DUCT PROTECTION

NOZZLE ID: 2W-X FLOW POINTS: 2  
MAXIMUM PERIMETER: 100"  
MAXIMUM DIAMETER: 32"  
LOCATION: CENTERED W/IN PERIMETER  
HEIGHT: 2" TO 8" ABOVE DUCT COLLAR

### 1N NOZZLE: PLENUM PROTECTION

NOZZLE ID: 1N-X FLOW POINTS: 1  
LOCATION: 2 TO 4 IN. FROM FILTER FACE & CENTERED BETWEEN FILTER HEIGHT  
NOZZLE AIM: HORIZONTAL DOWN LENGTH  
POSITIONED: 0 TO 6 IN. FROM END OF HOOD TO THE TIP OF THE NOZZLE.

### 290 NOZZLE: FRYER COVERAGE

NOZZLE ID: 290-X  
LOCATION: WITHIN 3" OF LONGEST SIDE / 1" OF SHORT SIDE  
MAXIMUM HEIGHT: 27"  
MINIMUM HEIGHT: 20"  
MAX. COVERAGE: 14.5" X 26.5" W/ DRIPBOARD  
MAX. FRY POT SIZE: 19.5" X 19"

### 245 NOZZLE: RANGE

NOZZLE ID: 245-X  
LOCATION: CENTER OF HAZARD OR 11 3/8" MAX FROM NOZZLE TO CENTER OF ANY BURNER GRATE  
HEIGHT: 50" TO 40"  
MAX. COVERAGE: 672 SQ. IN. // LONGEST SIDE: 28"

- N1
- N2
- N3
- N4

## I.D. APPLIANCE DESCRIPTION

- A1** FRYER WITH DRIP 14" X 24"
- A2** 4 BURNER RANGE 24" X 24"

Reviewed For Code Compliance By:  
**Roger Sullivan**  
Deputy Fire Marshal  
04/16/2019 3:24:53 PM

ALL DEEP FAT FRYERS SHALL BE INSTALLED WITH AT LEAST A 16 INCH SPACE BETWEEN FRYER AND SURFACE FLAMES FROM ADJACENT COOKING EQUIPMENT  
**EXCEPTION: WHERE A STEEL OR TEMPERED GLASS BAFFLE PLATE IS INSTALLED AT A MINIMUM 8 INCHES IN HEIGHT BETWEEN THE FRYER AND SURFACE FLAMES OF THE ADJACENT APPLIANCE**

<b>ANSUL MANUAL #:</b>	418087-12	<b>NOTES:</b>	
<b>DRAWING #:</b>	1 OF 1	<b>DATE:</b>	
<b>SCALE:</b>	NTS	<b>DRAWN BY:</b>	JCA
<b>DRAWN BY:</b>	JCA		

<b>PROJECT NAME &amp; ADDRESS:</b> Saucy Wings 301 South Main Street Lillington, NC 27546
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<b>ALL AMERICAN FIRE PROTECTION</b> 159 S. Main St. Spring Lake, NC 28390 Phone: 910-496-0600 Fax: 910-496-0613
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