

The Wing Company - 1574 North Carolina 87 Cameron, NC 28326

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 & EXPELLENT HOSES, PIPING OR TUBING SHALL BE INSTALLED IN ACCORDANCE WITH CHAPTER 5: "INSTALLING THE ACTUATION & EXPELLANT 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 AAA FIRE

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 AAA FIRE

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 (1) ANSUL 3G S.S. TANK

K2 CYLINDER - (1) R102 3 GALLON S.S. TANK

K3 HOOD #1: NEW TYPE I EXHAUST HOOD: 12'-0" X 48" W/ A SINGLE BANK OF BAFFLED FILTERS CONTAINS (1) EXHAUST DUCTS: 25" X 25"

K4 EXISTING MECHANICAL GAS VALVE LOCATED ABOVE THE CEILING

K5 EXISTING REMOTE MANUAL PULL STATION LOCATED 48" A.F.F. ON PATH OF EGRESS OR EXI

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.

3N NOZZLE: FRYER COVERAGE

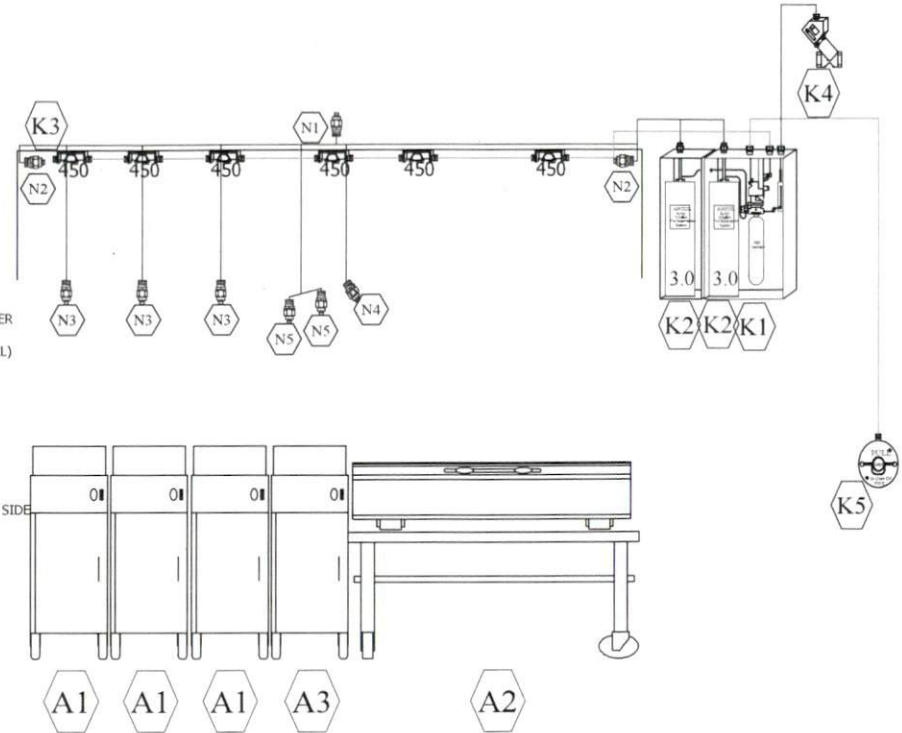
NOZZLE ID: 3N-X FLOW POINTS: 3
LOCATION: FRONT 1/2 OF FRYPOT - PERIMETER-AIM CENTER
NOZZLE HEIGHT: 35" TO 25"
MAX. COVERAGE: 18" X 18" FRYPOT (18" X 27 3/4" OVERALL)

260 NOZZLE: GRIDDLE COVERAGE

NOZZLE ID: 260-X
LOCATION: ALONG SIDE 0-2" - AIM CENTER
MAXIMUM HEIGHT: 50"
MINIMUM HEIGHT: 30"
MAX. COVERAGE: 1440 SQ. IN // 48" LONGEST SIDE

290 NOZZLE: FRYER COVERAGE

NOZZLE ID: 290-X
LOCATION: WITHIN 3" OF LONGEST SIDE / 1" OF SHORT SIDE
MAXIMUM HEIGHT: 27"
MINIMUM HEIGHT: 16"
MAX. COVERAGE: 14.5" X 26.5" W/ DRIPBOARD
MAX. FRY POT SIZE: 14.5" X 14"



I.D. APPLIANCE DESCRIPTION

A1 FRYER 14.5" X 24.5"

A2 GRIDDLE 48" X 23"

A3 FRYER 20" X 30"

PROJECT NAME & ADDRESS:

The Wing Company

1574 North Carolina 87
Cameron, NC 28326

ANSUL MANUAL #:	418087-12	NOTES:	
DRAWING #:	1 OF 1	DATE:	
SCALE:	NTS	DRAWN BY:	JCA
			12/11/19

ALL AMERICAN FIRE PROTECTION

159 S. Main St. Spring Lake, NC 28390
Phone: 910-496-0600
Fax: 910-496-0613