

Alejandro's Subs and Grill - 3039 Buffalo Lake Road

GENERAL NOTES:

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

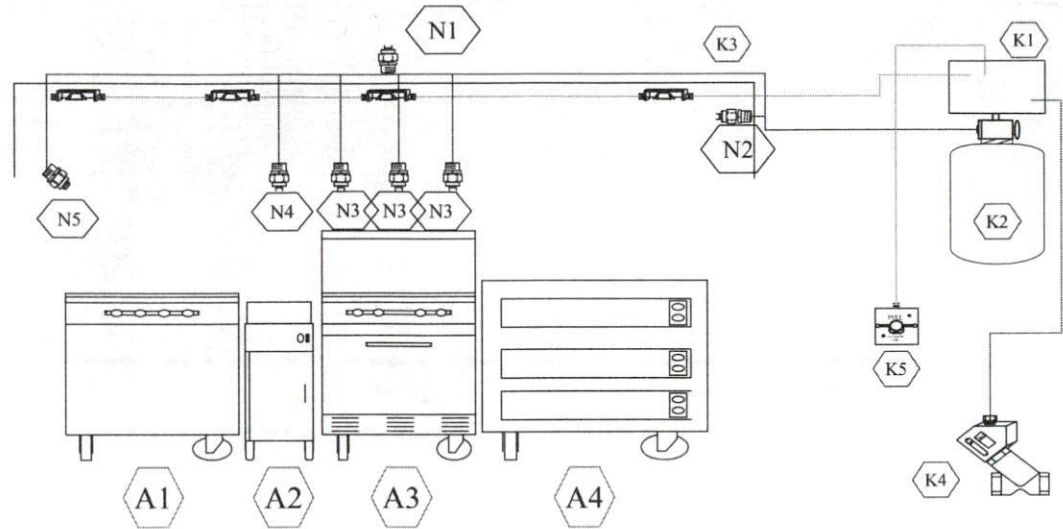
GENERAL SEQUENCE OF OPERATION - NOT PROJECT SPECIFIC

UPON ACTIVATION OF A FUSIBLE LINK OR REMOTE MANUAL PULL STATION A PROTEX 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 SIMULTANEOUSLY, EXHAUST FAN IS OFF AT THE TIME OF DISCHARGE, THE FAN MAY OR MAY NOT TURN ON)

I.D. DESCRIPTION

- K1** USED PROTEX CONTROL HEAD CONTAINS (1) CARTRIDGE, (1) SET OF MICROSWITCHES
- K2** CYLINDER #1 - (1) PROTEX 4600 TANK 15 FLOW POINTS AVAIL. 11 USED
- K3** HOOD #1: NEW TYPE I EXHAUST HOOD: 9'-0" X 78" W/ A SINGLE BANK OF BAFFLED FILTERS CONTAINS (1) EXHAUST DUCTS: 24" 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



Reviewed For Code Compliance By:
 D. Banks Wallace
 Chief Deputy Fire Marshal
 02/24/2021 2:54:06 PM

I.D. APPLIANCE DESCRIPTION

- A1** GRIDDLE 36" X 24"
- A2** FRYER 14 X 21
- A3** 6 BURNER RANGE
- A4** PIZZA OVEN

I.D. NOZZLE DESCRIPTION

- N1: EXHAUST DUCT PROTECTION - UP TO 100"**
 NOZZLE ID: 2D FLOW POINTS: 2
 NOZZLE HEIGHT: 0" TO 6"
 LOCATION: CENTER LINE OF AREA - AIM INTO OPENING
 COVERAGE: 100' PERIMETER WITH 37 3/8" MAX DIAGONAL ROUND DUCT MAXIMUM 31 7/8" DIAMETER
- N2: PLENUM PROTECTION**
 NOZZLE ID: 1H FLOW POINTS: 1
 NOZZLE HEIGHT: 1/3 WAY DOWN VERTICAL
 LOCATION: 2" FROM BACK EDGE OF FILTER WITHIN 6" OF END OF PLENUM
 COVERAGE: LENGTH 10' X-0" WIDTH 4'-0"
- N3: SMALL RANGE PROTECTION**
 NOZZLE ID: 2L FLOW POINTS: 2
 NOZZLE HEIGHT: 24" TO 35"
 LOCATION: FRONT EDGE - AIM 10" FORWARD FROM BACK OF BURNER ON FRONT REAR CENTERLINE
 COVERAGE: MAXIMUM AREA: 336 SQ. IN., LONGEST SIDE 28"
- N4: FRYER WITH DRIPBOARD: 18" FRYPOT**
 NOZZLE ID: 2H FLOW POINTS: 2
 NOZZLE HEIGHT: 24" TO 48"
 LOCATION: ANYWHERE ALONG PERIMETER AIMED CENTER
 COVERAGE: 18" LONGEST SIDE 324 SQ IN FRYPOT 27 3/4" LONGEST SIDE 500 SQ. IN OVERALL
- N5: SMALL GRIDDLE PROTECTION**
 NOZZLE ID: 1H FLOW POINTS: 1
 NOZZLE HEIGHT: 24" TO 48"
 LOCATION: 0" - 6" FROM SHORT SIDE AIM CENTER
 COVERAGE: MAXIMUM AREA 24" X 48"

PROTEX MANUAL #:	418087-12	NOTES:	
DRAWING #:	1 OF 1		
SCALE:	NTS	DATE:	02/18/2021
DRAWN BY:	TNW		

PROJECT NAME & ADDRESS:
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3039 Buffalo Lake Road
 Sanford, NC 27332

ALL AMERICAN FIRE PROTECTION

159 South Main St Spring Lake, North Carolina 28390
 Phone: 910-496-0600
 Fax: 910-496-0613

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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
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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

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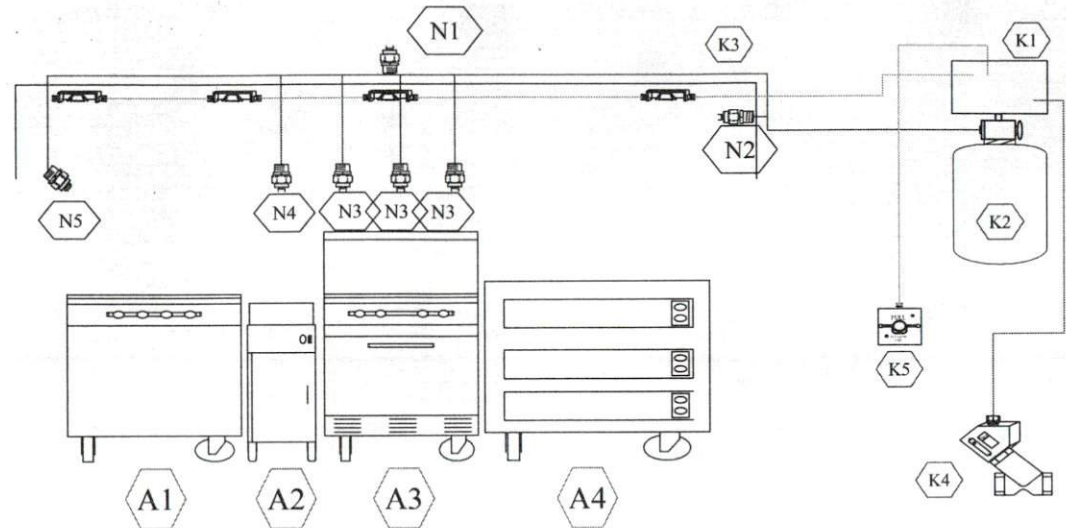
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SIMULTANEOUSLY, ALL GAS APPLIANCES LOCATED UNDER THE HOOD SHALL SHUTDOWN VIA MECHANICAL OR ELECTRICAL GAS VALVE
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SIMULTANEOUSLY, HOOD LIGHTS, AS PERMITTED BY CODE MAY REMAIN ON OR MAY SHUTDOWN
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2D: EXHAUST DUCT PROTECTION - UP TO 100"

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NOZZLE HEIGHT: 0" TO 6"
LOCATION: CENTER LINE OF AREA - AIM INTO OPENING
COVERAGE: 100" PERIMETER WITH 37 3/8" MAX DIAGONAL ROUND DUCT MAXIMUM 31 7/8" DIAMETER

1H: PLENUM PROTECTION

NOZZLE ID: 1H FLOW POINTS: 1
NOZZLE HEIGHT: 1/3 WAY DOWN VERTICAL
LOCATION: 2" FROM BACK EDGE OF FILTER WITHIN 6" OF END OF PLENUM
COVERAGE: LENGTH 10' X-0" WIDTH 4'-0"

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NOZZLE ID: 2L FLOW POINTS: 2
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LOCATION: FRONT EDGE - AIM 10" FORWARD FROM BACK OF BURNER ON FRONT REAR CENTERLINE
COVERAGE: MAXIMUM AREA: 336 SQ. IN., LONGEST SIDE 28"

2H: FRYER WITH DRIPBOARD: 18" FRYPOT

NOZZLE ID: 2H FLOW POINTS: 2
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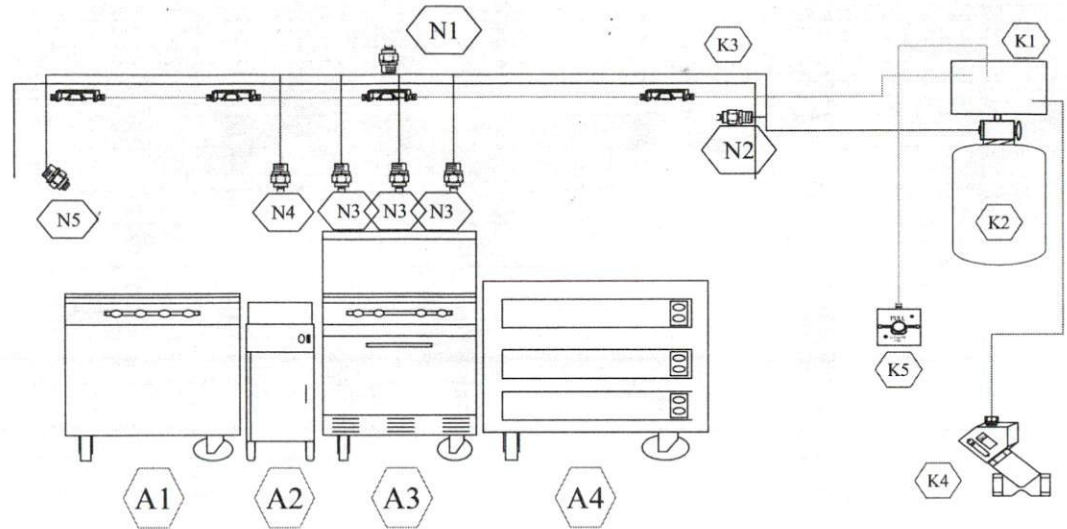
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