KFC - 895 NC-24 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 AMEREX KP INSTALLATION MANUAL

ALL PIPE AND FITTINGS ARE 3/8" OR 1/2" 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
AMEREX 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 RESPONSIBILTY OF THE
INSTALLING CONTRACTOR NOT FIRE PROTECTION

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 RESPONSIBLITY OF FIRE PROTECTION

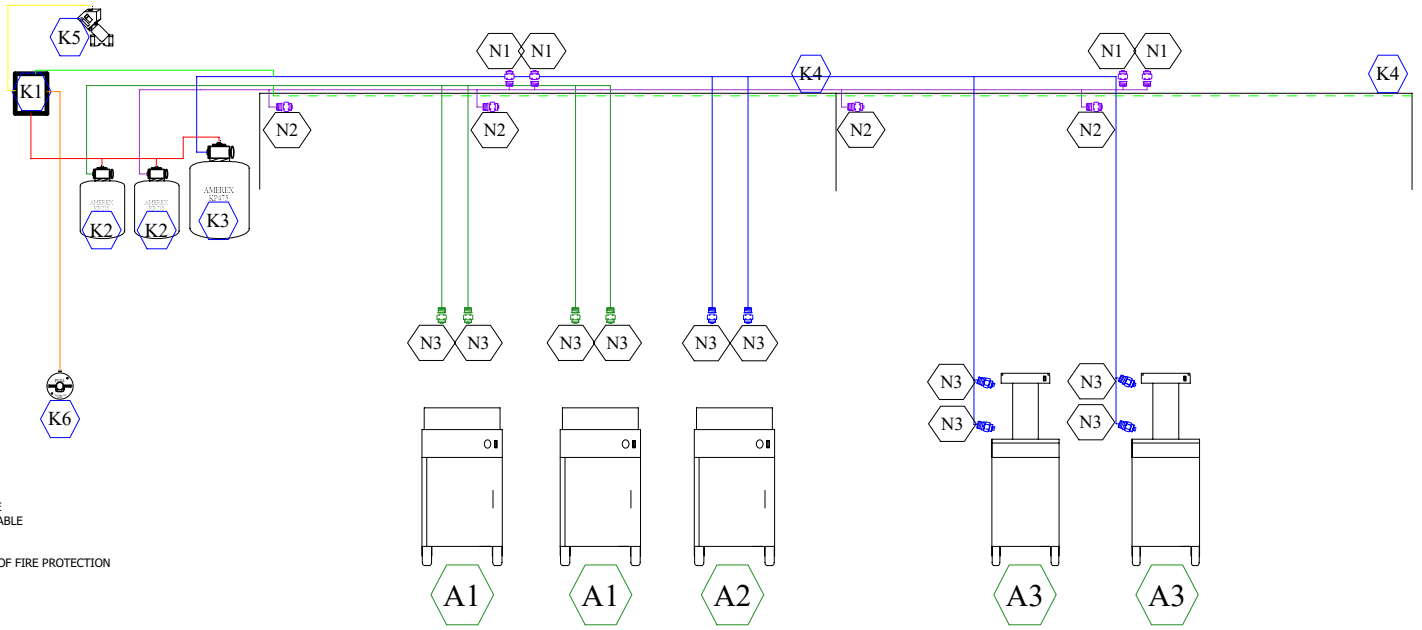
CONDITION AND ACCEPTABILITY OF THE EXHAUST HOOD & DUCT IS THE RESPONSIBILITY
OF THE OWNER/OPERATOR

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 AUTOMATIC DETECTION OR REMOTE MANUAL PULL STATION AN AMEREX KP
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 RESPONSIBILTY 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
SIMULTANEOULSY, INTERNAL MAKE-UP AIR SHALL SHUTDOWN
SIMULTANEOULSY, 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 AMEREX STRIKE CONTROL HEAD
  CONTAINS (1) ELECTRIC DETECTION NETWORKS
  (1) ELECTRIC PULL STATION NETWORKS
  (1) ACTUATION NETWORKS
  (1) MICROSWITCH SET FOR SHUTDOWNS
- K2 — CYLINDER #1&2 - (1) KP 275 2.75 GALLON TANK 8 FLOW POINTS AVAIL. 8 USED
- K3 — CYLINDER #2 - (1) KP 475 4.75 GALLON TANK 14 FLOW POINTS AVAIL. 12 USED
- K4 — HOOD #1&2: USED TYPE I EXHAUST HOOD: 12'-0" X 78"
  W/ A SINGLE BANK OF BAFFLED FILTERS
  CONTAINS (1) EXHAUST DUCTS: 18" X 16"
- K5 — USED GAS VALVE LOCATED BELOW CEILING
- K6 — NEW REMOTE MANUAL PULL STATION
  LOCATED 48" A.F.F. ON PATH OF EGRESS OR EXIT

I.D. NOZZLE DESCRIPTION

16416 NOZZLE: TWO DUCT NOZZLE (N1)
NOZZLE ID: 16416
LOCATION: CENTERED - 2" - 8" INTO DUCT OPENING
MAXIMUM COVERAGE: 51" TO 82" PERIMETER INCHES
MAXIMUM DIAGONAL: 26"
FLOW POINTS: 1 EACH (TOTAL 2)

11982 NOZZLE: PLENUM - SINGLE BANK (N2)
NOZZLE ID: 11982
LOCATION: 0"-4" FROM BACK WALL & 1/3 OF FILTER HEIGHT DOWN
MAXIMUM COVERAGE: 10'-0" LONG X 24" WIDE
FLOW POINTS: 1

13729 NOZZLE: FRYER (N3)
NOZZLE ID: 13729
LOCATION: ANYWHERE ALONG OR WITHIN
MAXIMUM COVERAGE: 19.5" X 19 W/OUT DRIP BOARD
MAXIMUM COVERAGE: 19.5" X 25 3/8" WITH DRIPBOARD
NOZZLE HEIGHTS: 36" - 48"
FLOW POINTS: 2

I.D. APPLIANCE DESCRIPTION

- A1 — FRYER 18" X 27"
- A2 — FRYER 16" X 24"
- A3 — HENNY PENNY FRYER

AMEREX MANUAL #:	418087-12
DRAWING #:	1 OF 1
SCALE:	NTS
DRAWN BY:	JCA

NOTES:

DATE: 4/25/2022

PROJECT NAME & ADDRESS:
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