Mi Casita - 111 West Cornelius Harnett Blvd Lillington, NC

GENERAL NOTES:

INSTALLATION PER IFC-2018, 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 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

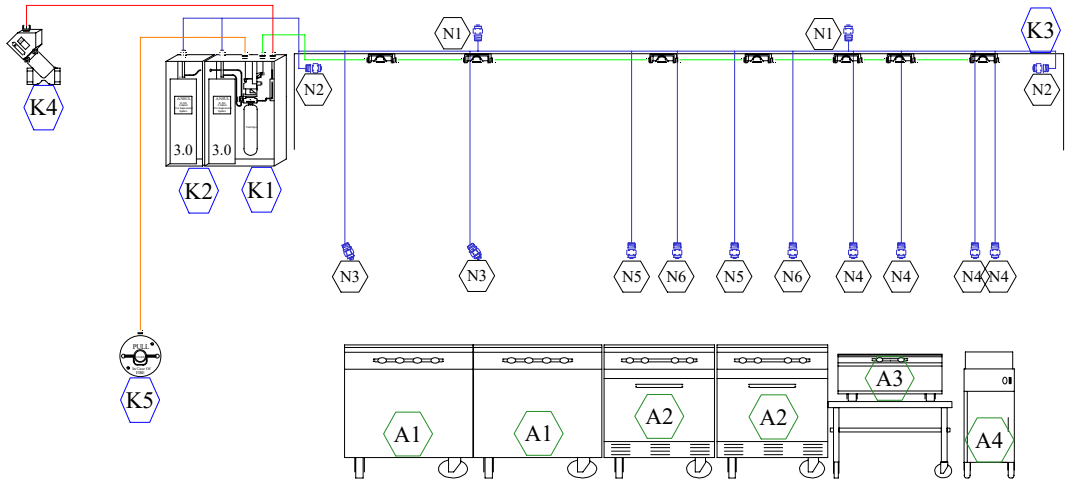
CONDITION AND ACCEPTABILITY OF THE EXHAUST HOOD & DUCT IS THE RESPONSIBILITY
  OF THE OWNER/OPERATOR

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 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 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. NOZZLE DESCRIPTION

2W NOZZLE: DUCT PROTECTION (N1)
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 (N2)
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.

1N NOZZLE: GRIDDLE COVERAGE (N3)
NOZZLE ID: 1N - X FLOW POINTS: 1
LOCATION: PERIMETER 0"-2" - AIM CENTER
HEIGHT: 40" TO 35"
MAX. COVERAGE: 1080 SQ. IN // 36" LONGEST SIDE

230 NOZZLE: FRYER COVERAGE (N4)
NOZZLE ID: 230 - X FLOW POINTS: 2
LOCATION: ALONG OR WITHIN - AIM CENTER
HEIGHT: 47" TO 27"
MAX. COVERAGE: 14" X 15" FRYPOT & 14" X 21" OVERALL

245 NOZZLE: RANGE (N5)
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"

1N NOZZLE: RANGE (N6)
NOZZLE ID: 1N- X
LOCATION: 10" FROM BURNER CENTER
MAXIMUM HEIGHT: 40"
MINIMUM HEIGHT: 30"
MAX. COVERAGE: 384 SQ. IN. // LONGEST SIDE: 32"

I.D. DESCRIPTION

K1 USED R102 CONTROL HEAD
CONTAINS (1) CARTRIDGE,
(1) SET OF MICROSWITCHES

K2 CYLINDER #1&2 - (2) R102 3 GALLON TANK 22 FLOW POINTS AVAIL. 22 USED

K3 HOOD #1: USED TYPE I EXHAUST HOOD: 16'-0" X 54"
W/ A SINGLE BANK OF BAFFLED FILTERS
CONTAINS (2) EXHAUST DUCTS: 14" X 14"

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. APPLIANCE DESCRIPTION

A1 GRIDDLE 36" X 24"

A2 6 BURNER RANGE 36" X 24"

A3 DOUBLE TABLETOP FRYER (2) 10" X 10"

A4 FRYER 20" X 24"

ANSUL MANUAL #:	418087-12	**NOTES:**	
DRAWING #:	1 OF 1		
SCALE:	NTS	**DATE:**	
DRAWN BY:	JCA	6/6/25	

PROJECT NAME & ADDRESS:
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