

# Solid Rock United Methodist Church - 2297 North Carolina 24

## GENERAL NOTES:

INSTALLATION PER IFC-2018, NFPA 96, 17A, AND UL 300 STANDARDS AND PER MANUFACTURERS' INSTRUCTIONS/RECOMMENDATIONS DESIGN BASED ON SECTION IV OF BUCKEYE 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 ACTIVATION & EXPELLANT HOSES, PIPING OR TUBING SHALL BE INSTALLED IN ACCORDANCE WITH CHAPTER 5: "INSTALLING THE ACTIVATION & EXPELLANT GAS LINES" DETECTION LINE LIMITATIONS SHALL BE INSTALLED IN ACCORDANCE WITH BUCKEYE'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 BUCKEYE TECHNICAL MANUAL CHAPTER 4 - SYSTEM DESIGN MAXIMUM NUMBER OF 20 CORNER PULLEYS, 150 FEET OF 1/2" TEE PULLEY MECHANICAL GAS VALVE CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH CODE REQUIREMENTS & CHAPTER 4 - SYSTEM DESIGN OF THE BUCKEYE 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 BUCKEYE 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 SIMULTANEOUSLY, 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)

ANSUL MANUAL #:	118087-12
DRAWING #:	1 OF 1
SCALE:	NTS
DRAWN BY:	TNW
DATE:	07/16/2021

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 Camerun, NC 28326  
 Solid Rock United Methodist Church

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**ALL AMERICAN FIRE PROTECTION**

N3

N2

N1

## N-2LP NOZZLE: RANGE

NOZZLE ID: N-2LP  
 LOCATION: CENTER OF HAZARD OR 1 1/8" MAX FROM NOZZLE TO CENTER OF ANY BURNER GRATE  
 HEIGHT: 30" TO 40"  
 MAX. COVERAGE: 36" X 24"

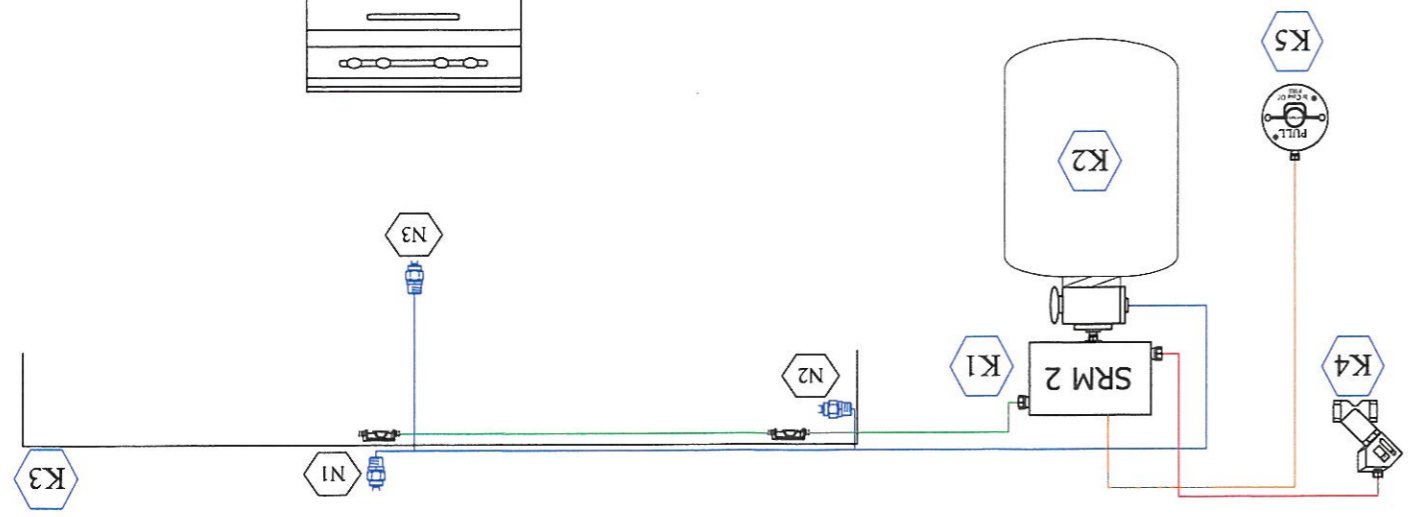
## N-1HP NOZZLE: PLENUM PROTECTION

NOZZLE ID: N-1HP 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.

## N-2W NOZZLE: DUCT PROTECTION

NOZZLE ID: N-2W FLOW POINTS: 2  
 MAXIMUM PERIMETER: 100"  
 MAXIMUM DIAMETER: 16"  
 LOCATION: CENTERED W/IN PERIMETER HEIGHT: 2" TO 8" ABOVE DUCT COLLAR

## I.D. NOZZLE DESCRIPTION



## I.D. DESCRIPTION

K1 NEW SRM2 CONTROL HEAD CONTAINS (1) CARTRIDGE, (1) SET OF MICROSWITCHES

K2 CYLINDER #1 - BFR-10 TANK 10 FLOW POINTS AVAIL. 5 USED

K3 HOOD #1: NEW TYPE I EXHAUST HOOD: 8'-0" X 78" W/ A SINGLE BANK OF BAFFLED FILTERS CONTAINS (1) EXHAUST DUCTS: 16" ROUND

K4 NEW MECHANICAL GAS VALVE LOCATED ABOVE THE CEILING

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

A1 SIX BURNER RANGE

## I.D. APPLIANCE DESCRIPTION

