

# BAPTIST GROVE BAPTIST CHURCH

## GENERAL NOTES:

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

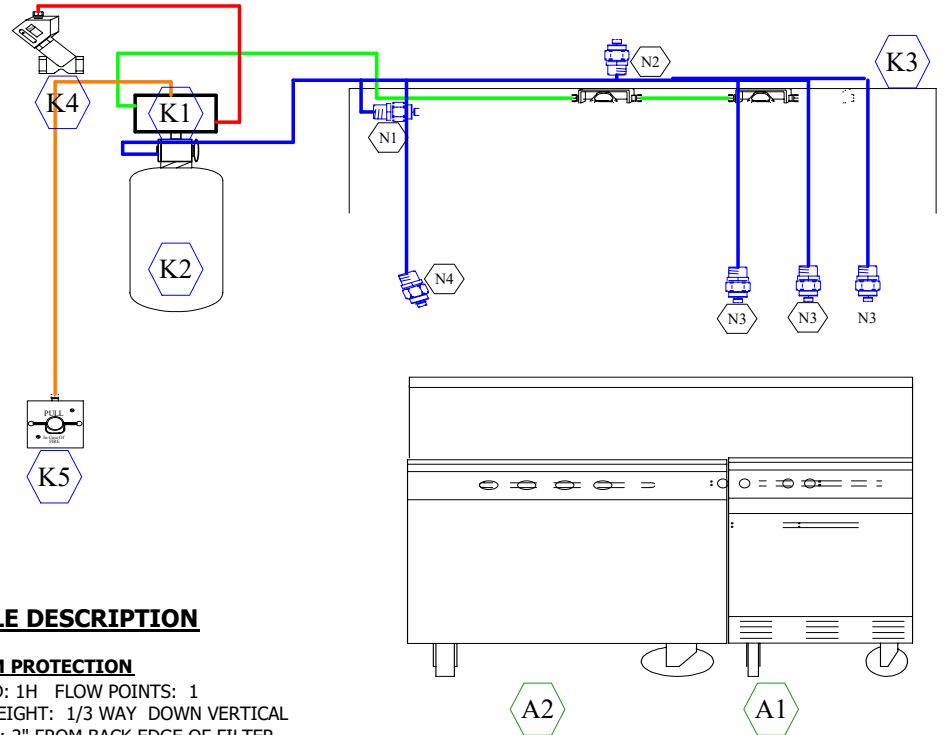
## GENERAL SEQUENCE OF OPERATION - NOT PROJECT SPECIFIC

UPON ACTIVATION OF A FUSIBLE LINK OR REMOTE MANUAL PULL STATION AN PYROCHEM 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 CONTROL HEAD CONTAINS (1) CARTRIDGE, (1) SET OF MICROSWITCHES
- K2** CYLINDER #1 - (1) PCL 300 TANK 10 FLOW POINTS AVAIL. 8 USED
- K3** HOOD #1: NEW TYPE I EXHAUST HOOD: 7'-0" W/ A SINGLE BANK OF BAFFLED FILTERS CONTAINS (1) EXHAUST DUCTS: 16"
- K4** USED MECHANICAL GAS VALVE LOCATED ABOVE THE CEILING
- K5** NEW REMOTE MANUAL PULL STATION LOCATED 48" A.F.F. ON PATH OF EGRESS OR EXIT



## I.D. NOZZLE DESCRIPTION

### 1H: PLENUM PROTECTION

**N1** 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"

### 2D: EXHAUST DUCT PROTECTION - UP TO 100"

**N2** 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

### 2L: SMALL RANGE PROTECTION

**N3** 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"

### 1H: SMALL GRIDDLE PROTECTION

**N4** NOZZLE ID: 1H FLOW POINTS: 1  
NOZZLE HEIGHT: 24" TO 48"  
LOCATION: 0" - 6" FROM SHORT SIDE AIM CENTER  
COVERAGE: MAXIMUM AREA 24" X 36"

## I.D. APPLIANCE DESCRIPTION

- A1** 6 BURNER RANGE 24\*36
- A2** SMALL GRIDDLE 24"

<b>ANSUL MANUAL #:</b>	418087-12	<b>NOTES:</b>	
<b>DRAWING #:</b>	1 OF 1		
<b>SCALE:</b>	NTS	<b>DATE:</b>	
<b>DRAWN BY:</b>	TNW		03/26/24

**PROJECT NAME & ADDRESS:**  
BAPTIST GROVE BAPTIST CHURCH

6140 Christian Light Road  
Fuquay Varina, NC 27526

**ALL AMERICAN FIRE PROTECTION**  
159 S Main St., Spring Lake, NC 28390  
Phone: 910-496-0600  
Fax: 910-496-0613