




Reviewed for Fire Code Compliance  
 Leslie Jackson  
03/26/2024 11:46:51 AM

# Application for Plan Review

Application # \_\_\_\_\_ - \_\_\_\_\_

Date Received: \_\_\_\_\_ Received By: \_\_\_\_\_

Name of Project: Anderson Creek The Lodge

Physical Address of Project: 322 Falls Creek Drive

Spring Lake, NC 28390

Plans Submitted By: Nikki McLennan

Project Phone: (910) 551-6163

Contact Person/Address: Fire Protection

1048 Bragg Blvd Fayetteville NC 28301

Contact Email: fireprotection@fireprobiz

Contact Phone: (910) 486-6270 (\_\_\_\_) - \_\_\_\_ - \_\_\_\_

Contractor's Name/Info: Fire Protection

1048 Bragg Blvd Fayetteville NC 28301

Contractor's Phone: (910) 486-6270

- Plans that are submitted will be reviewed as quickly as possible with an average time of review between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the website <http://htweb.harnett.org/Click2GovBP/Index.jsp> or by calling the Harnett County Central Permitting Office (910-893-7525, Option #2), or the Harnett County Fire Marshal's Office (910-893-7580).
- Approved plans must be picked up from the Central Permitting Office and all fees paid before any required inspections can be conducted.

# Anderson Creek the Lodge - 322 Falls Creek Dr

## 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 RESPONSIBILITY 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 RESPONSIBILITY 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 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** USED R102 CONTROL HEAD CONTAINS (1) CARTRIDGE, (1) SET OF MICROSWITCHES
- K2** CYLINDER #1&2 - (2) R102 3 GALLON TANK 22 FLOW POINTS AVAIL. 14 USED
- K3** HOOD #1: USED TYPE I EXHAUST HOOD: 12'-0" X 78" 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

N1

N2

N3

### 2W NOZZLE: DUCT PROTECTION

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

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: RANGE

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

N4

N5

N6

### 1N NOZZLE: GRIDDLE COVERAGE

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

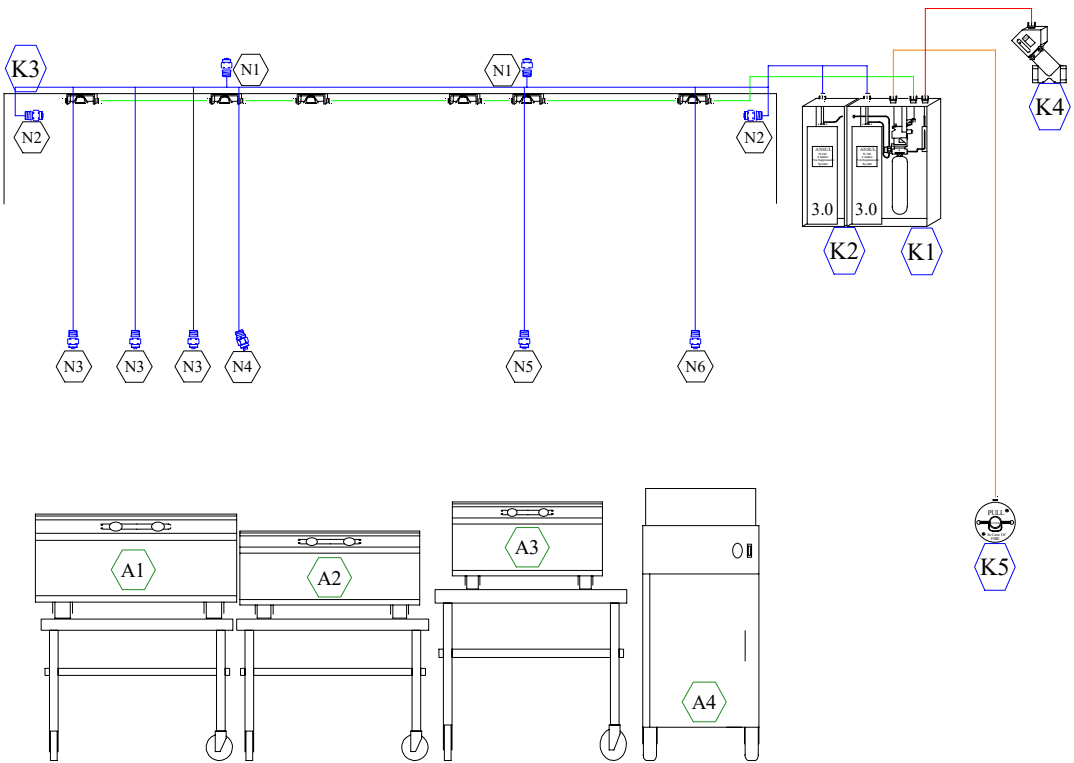
### 1N NOZZLE: GAS RADIANT BROILER COVERAGE

NOZZLE ID: 1N-X  
LOCATION: ANYWHERE ALONG OR WITHIN  
HEIGHT: 40" TO 15"  
MAX. COVERAGE: 864 SQ. IN. // LONGEST SIDE 36"

### 3N NOZZLE: FRYER COVERAGE

NOZZLE ID: 3N-X FLOW POINTS: 3  
LOCATION: FRONT 1/2 OF FRYPOT - PERIMETER-AIM CENTER  
NOZZLE HEIGHT: 35" TO 25"  
MAX. COVERAGE: 18" X 18" FRYPOT (18" X 27 3/4" OVERALL)

## I.D. NOZZLE DESCRIPTION



## I.D. APPLIANCE DESCRIPTION

- A1** 6 BURNER RANGE 36" X 24"
- A2** GRIDDLE 36" X 22"
- A3** CHARBROILER 36" X 22"
- A4** FRYER 15" X 25"

PROJECT NAME & ADDRESS:

**Anderson Creek the Lodge**

322 Falls Creek Dr  
Spring Lake, NC 28390

ANSUL MANUAL #:	418087-12	NOTES:
DRAWING #:	1 OF 1	
SCALE:	NTS	DATE:
DRAWN BY:	JCA	2/1/24

## FIRE PROTECTION

1048 Bragg Blvd, Fayetteville, NC 28301  
Phone: 910-486-6270