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 8815 Centre Park Dr., Suite 200
 Columbia, MD 21045
 410.941610
 www.koffel.com

project
 DHEC Project Number # 637063

BEE'S FERRY SENIOR LIVING
 3097 Bees Ferry Road
 Charleston, South Carolina 29414

client | owner
 3097 BEE'S FERRY ROAD, LLC
 3535 Colonel Vanderhorst Circle
 Mount Pleasant, SC 29466
 843.296.3965

seal | signature

REVISIONS	
DESCRIPTION	DATE

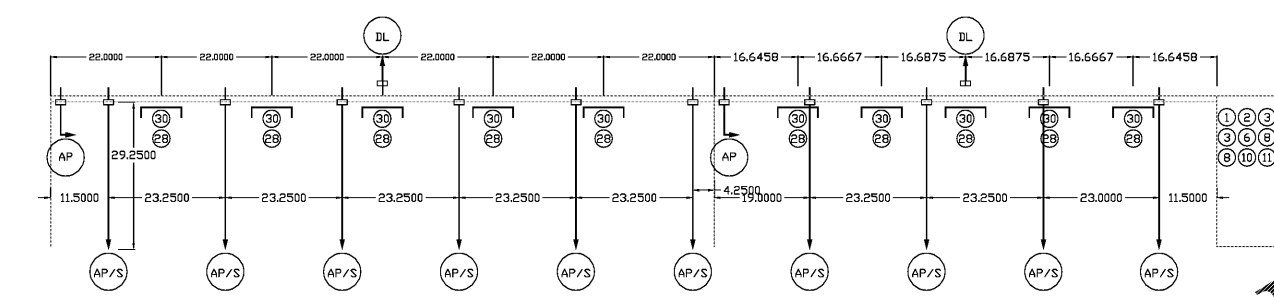
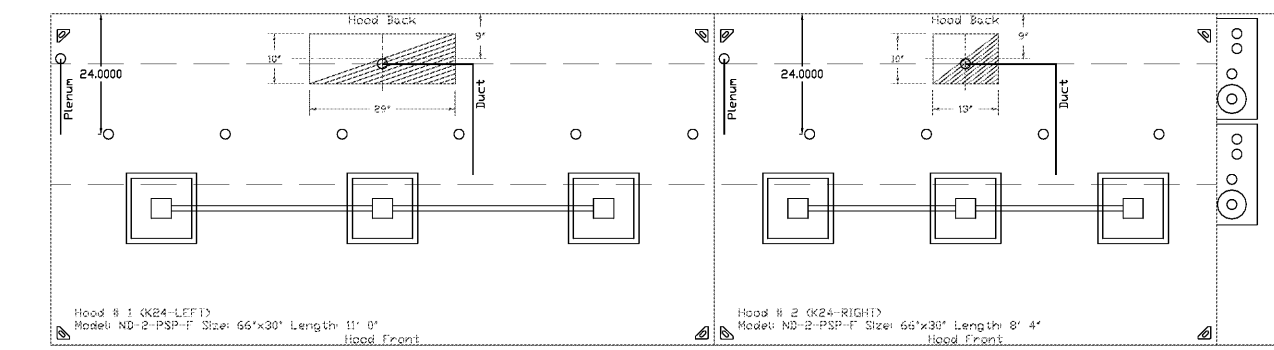
Maryland Office
 2221 Kambas Ave, Silver Spring, MD, 20910 PHONE: (800) 988-0881 FAX: (819) 227-5931 EMAIL: reg2@captivemep.com
CAPTIVE

Bees Ferry Senior Living - Charleston, SC_R4
 CHARLESTON, SC, 29414

DATE: 5/28/2019
 DWG.#: 3846013
 DRAWN BY: MD-32
 SCALE: NTS
 MASTER DRAWING
 SHEET NO. 3

FOODSERVICE VENTILATOR DETAILS 1ST FLOOR
 Issue date 10/18/2019
 sheet number
FS-1V3

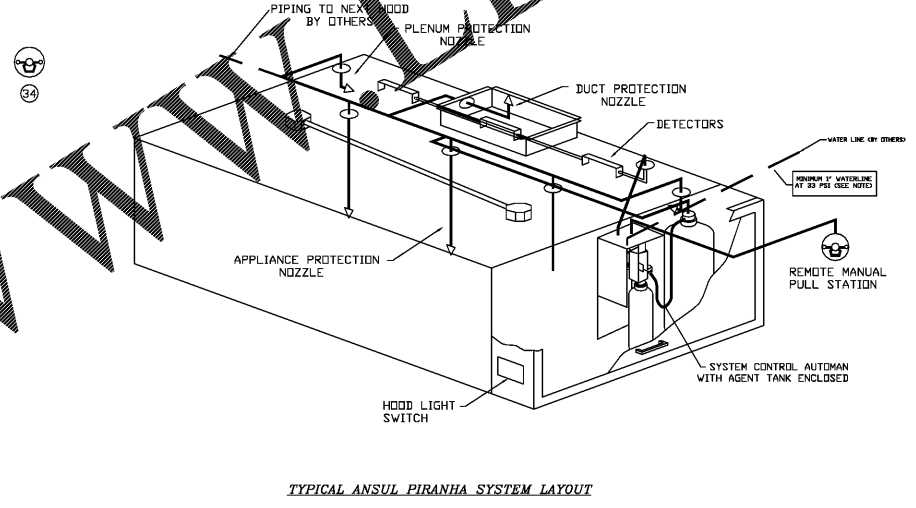
Fire System Information						
FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1	K25	Ansul Piranha	7/7	14	Fire Cabinet Right	Right
2	G20	Ansul Piranha	7	5	Wall Mount Left	N/A



NOTES
 - FIELD PIPE DROPS AS SHOWN
 - SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
 - MAXIMUM 9 ELBOWS IN SUPPLY LINE.
 - MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
 - IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS

Job Name: Bees Ferry Senior Living - Charleston, SC
 Drawn By:
 System Size: PIRANHA-7/7 Total FP required: 14
 Hood # 1 11' 0.00" Long x 66" Wide x 30" High
 Riser # 1 Size: 10' x 29"
 Hood # 2 Metal Blow-Dff Caps included.
 Hood # 2 8' 4.00" Long x 66" Wide x 30" High
 Riser # 1 Size: 10' x 13"
 Hood # 2 Metal Blow-Dff Caps included.

- LEGEND - ANSUL PIRANHA SYSTEM**
- PIRANHA MECHANICAL REGULATED RELEASE ASSEMBLY
 - PIRANHA REGULATED ACTUATOR ASSEMBLY
 - PIRANHA 7 TANK (1.5 GALLON)
 - PIRANHA 10 TANK (2.25 GALLON)
 - PIRANHA 13 TANK (3.0 GALLON)
 - PRX LIQUID FIRE SUPPRESSION
 - LT-30-R NITROGEN CARTRIDGE
 - LT-20-R NITROGEN CARTRIDGE
 - DOUBLE TANK CARTRIDGE
 - TEST LINK
 - DOUBLE MICROSWITCH
 - DL DOUBLE NOZZLE
 - APPLNCE/PLENUM NOZZLE
 - APPLNCE/PLENUM NOZZLE WITH SWIVEL ADAPTOR
 - DETECTOR BRACKET
 - FLOW TEST FUSIBLE LINK WITH TEMP FUSIBLE LINK
 - MECHANICAL GAS VALVE
 - ELECTRICAL GAS VALVE
 - REMOTE MANUAL PULL STATION



PIPING NOTES
 - BY AUTHORIZED ANSUL DISTRIBUTOR: FIELD PIPE DROPS AS SHOWN. SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY FACTORY
 - BY AUTHORIZED ANSUL DISTRIBUTOR: RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDER, CHEESEMELTER, ETC.
 - ALLOW CLEARANCE FOR PIPING WHICH EXTENDS 6" ABOVE TOP OF HOOD
 - ALL PIPING IS 3/8" SCHEDULE 40 BLACK IRON
 - STAINLESS STEEL SLEEVING AND CHROME FITTINGS WHERE EXPOSED
 - BY AUTHORIZED ANSUL DISTRIBUTOR: DETECTION LINE, FIELD PIPING BETWEEN HOODS AND WALL MOUNTED TANKS.
 - BY AUTHORIZED ANSUL DISTRIBUTOR: FINAL FIELD HOOK-UP INCLUDING PERMIT, TEST, AND CERTIFICATION
 - BY PLUMBING CONTRACTOR: THE WATER FLOW VALVE LOCATED WITH EACH FIRE SYSTEM TANK MUST BE CONNECTED TO THE BUILDING'S POTABLE WATER SUPPLY BY A WATERLINE SIZED TO PROVIDE SIMULTANEOUS FLOWING WATER PRESSURE BETWEEN 30 AND 100 PSI AT THE WATER VALVE LOCATED WITH EACH TANK WHEN THE LINE IS TESTED BY THE AUTHORIZED ANSUL DISTRIBUTOR. THE MINIMUM WATERLINE SIZE FOR A ONE (1) OR TWO (2) TANK SYSTEM IS 3/4". THE MINIMUM WATERLINE SIZE FOR A THREE (3) TANK SYSTEM IS 1". THE WATERLINE SHOULD BE SIZED TO PROVIDE A WATER FLOW OF 10GPM PER TANK. THE PLUMBING CONTRACTOR MUST VERIFY THAT THE SIZE IS ADEQUATE TO ENSURE PROPER WATER PRESSURE WHEN TESTED. THE WATERLINE MUST BE DEDICATED TO THE PIRANHA SYSTEM. THE WATERLINE MUST INCLUDE A SINGLE, FULL FLOW, INDICATING, LOCKED-OPEN, TAMPERPROOF SHUT-OFF VALVE (PROVIDED BY THE PLUMBING CONTRACTOR), AND MUST BE CONNECTED TO THE POTABLE WATER SUPPLY LINE IMMEDIATELY DOWNSTREAM FROM THE MAIN SHUT-OFF VALVE.

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted
 Approved with NO Exception Taken
 Revise and Resubmit
 SIGNATURE _____
 Your Title _____ Date _____

VERIFY MAKE/MODEL OF ALL COOKING APPLIANCES BENEATH HOOD PRIOR TO FABRICATION. CHANGES TO COOKING EQUIPMENT SPECIFICATION MAY RESULT IN ADDITIONAL FIRE SUPPRESSION SYSTEM INSTALLATION CHARGE.

SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET / LINKAGE ASSEMBLY.

FIRE SUPPRESSION SYSTEM DETAILS

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