FOODSERVICE EQUIPMENT VENTILATOR PLAN

NO SCALE

0 - 0 - 87-300030-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.

0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLEN ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.

0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.

0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.

0 - 0 - 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.

0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC FIRE SUPPRESSION.

0 - 0 - A0034332 JUNCTION BOX FOR MANITAL PITT STORM 0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.

0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4"

MPT HALF UNION, USED ON TANK SERVICE PORT.

0 - 0 - BI145 3/8" BLACK IRON 90 ELL.

0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.

0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.

0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.

0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.

16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.

16 - 16 - CL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE). 0 - 0 - 4429K422 1/2" X 1/4" BRASS ELBOW WITH 1/2?NPT FEMALE CONNECTION, VIEGA.

0 - 0 - 79585 1/2" 90 PRO-PRESS ELBOW WITH 1/2?NPT FEMALE CONNECTION, VIEGA.

0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REPRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.

0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS TANK FIRE SUPPRESSION. 26 - QSA-3/8 QUIK SEAL - 3/8" (UL). 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT, RED COLOR - 12-F28021-32144-0T-ON TEMP RISE AT 360° 360 DUCT FIRE -, (A0034310), THERMOSTAT PROCEDURE DESCRIPTION WITH 12 BRASS. FUUT (PUSH/PULL WIRE LEADS. SOLENOID ZINC, STEEL, STATION , N TANK QTY BY Factory ∞ \mathbb{N} \mathbb{N} 4 \mapsto QTY BY DIST 0 0 0 \bigcirc 0 0 0 0 0 0 \circ 0

ELECTRIC GAS VALVES ONLY: 3/4"-2" 120VAC GAS VALVES CAN BE MOUNTED WITH THE SOLENOID IN ANY POSITION ABOVE HOR 120VAC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT. 24VDC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT. SIZE 120 VAC 0 PSI 5 PSI (138 IN.W.C.) DIM "G" DIM "A" FLOW AT 1 IN.W.C. DROP NATURAL GAS 2,940,500 BTU/HR DIM "B" ALL GAS VALVES/STRAINERS

ALL GAS VALVES/STRAINERS

PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52. 1,908,048 BTU/HR ELECTRIC GAS VALVE. DIM "F" 4" MIN DIM "A" FLOW. DIM "C" DIM "B" STRAINER. GAS VALVE DIMENSIONS DIM "D" 7-13-16" DIM "F" 13-15/16" DIM "G" INSTALLATION

MOUNTING
ORIENTATION

HORIZONTAL

CALCULATIONS

TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP

NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP^{0.5}

TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY

NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY)^{0.5}.

GAS VALVE PART NUMBER 8214280 PART NUMBERS
STRAINER PART
NUMBER
4417K68 GAS VALVE/STRAINER
KIT
(SC)EGVA2

GAS VALVES AND STRAINERS

DATE: 11/13/2024 Moore Public Schools Child Care 201 North Eastern Avenue, Moore, □K, 73160



MO ORE

DRAWN BY: RJH-80

DWG.#: 7165196

MASTER DRAWING

CHILD CARE FACILITY 201 N. EASTERN AVE.

SHEET

NO.

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SCALE: 3/4" = 1'-0"

RS checked by Addendum #1 10/29/2024 date drawn by 11/20/2024

MECHANICAL / ELECTRICAL SALAS O'BRIEN

STRUCTURAL

KFC ENGINEERING

CEDAR CREEK

313 S. E. 5th Street MOORE, OK. 73160 405.735.3477 AGP@theAGP.net www.theAGP.net

the Abla Griffin Partnership L.L.C.

FIRE SYSTEM INFORMATION - JOB#7165196
FIRE SYSTEM TAG TYPE

SIZE

 $\overset{\mathbb{M}}{\wedge}\times$

FΡ

DESIGN FP

CABINET RIGHT

RIGHT, HOOD 1

GAS VALVE(S)

I I M M

TYPE

SIZE

SUPPLIED

BY

FIRE SYSTEM PARTS LIST KEY

ELECTRICAL

2,000

CAPTIVEAIRE

SYSTEMS

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