

NOTES:

1. ALL CONDUIT AND FITTINGS ARE TO BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE AND OTHER CONTAMINANTS PER NFPA 69.
2. REFERENCE FIKE MANUALS E06-051 CONTROL PANEL AND E06-018-1 SUPPRESSION CONTAINER FOR INSTALLATION AND OPERATING INSTRUCTIONS.
3. REFERENCE FIKE FIELD WIRING DIAGRAM (E09-XXX) FOR FURTHER DETAILS.
- 4 12" MINIMUM FLEXIBLE CONDUIT FOR MAINTENANCE OF CONTAINER ON BOTH SIDES OF ELECTRICAL BOX.
5. ALL FIELD WIRING SHALL BE UL LISTED, MINIMUM 18 AWG, STRANDED, SHIELDED WITH DRAIN WIRE AND MINIMUM DIELECTRIC STRENGTH AT SERVICE TEMPERATURES SUITABLE TO THE APPLICATION. STRIP AND TIN OR INSTALL WIRE CRIMP PIN CONNECTOR AT ALL FIELD TERMINATIONS.
6. UNUSED CONDUCTORS OF CABLES SHALL BE CLIPPED OFF AND ISOLATED.
7. SHIELDING SHALL BE ISOLATED AND WIRED THROUGH TO THE NEXT JUNCTION BOX.
- 8 8> APPLY ANTI-SEIZE COMPOUND TO THREADS ON GCA AND GCA BOSS FITTING BEFORE ASSEMBLY.
- 9 9> DO NOT INSTALL GAS CARTRIDGE ACTUATORS (GCA) UNTIL SYSTEM HAS BEEN FULLY TESTED BY A FIKE FACTORY TRAINED TECHNICIAN OR OTHER FIKE FACTORY TRAINED PERSONNEL. GCA'S MUST BE HANDLED IN ACCORDANCE WITH FIKE MANUAL E06-018-1 AND THE MANUFACTURER'S RECOMMENDATIONS.
- 10 10> HRD CONTAINERS: GCA WIRING AND JUNCTION BOX ASSEMBLY CAN EXIT FROM THE BACK OR SIDE OF GCA BOSS FITTING. A 3/4 NPT PLUG (SUPPLIED) WILL BE REQUIRED ON THE UNUSED PORT.
- 11 11> JUNCTION BOX(ES) SHALL BE MOUNTED AS CLOSE TO THE HRD/SRD CONTAINER AS POSSIBLE, 24" MAXIMUM.

SUPPLIED BY CUSTOMER:
ALL CONDUIT, FLEXIBLE CONDUIT AND MINIMUM 18 AWG STRANDED, TWISTED, SHIELDED CABLE WITH DRAIN.

- PER HRD FOR FIRST/MIDDLE LOCATION:
- (1) - JUNCTION BOX
 - (1) - DOUBLE ROW TERMINAL BLOCK
 - (2) - 3/4" CONDUIT SEAL (IF REQ. PER NEC)
 - (1) - 3/4" CONDUIT TEE
 - (1) - 3/4" BREATHER DRAIN
 - (3) - 3/4" CLOSE CONDUIT NIPPLE
 - (1) - 3/4" UNION
 - (2) - 3/4" CLOSE NIPPLE

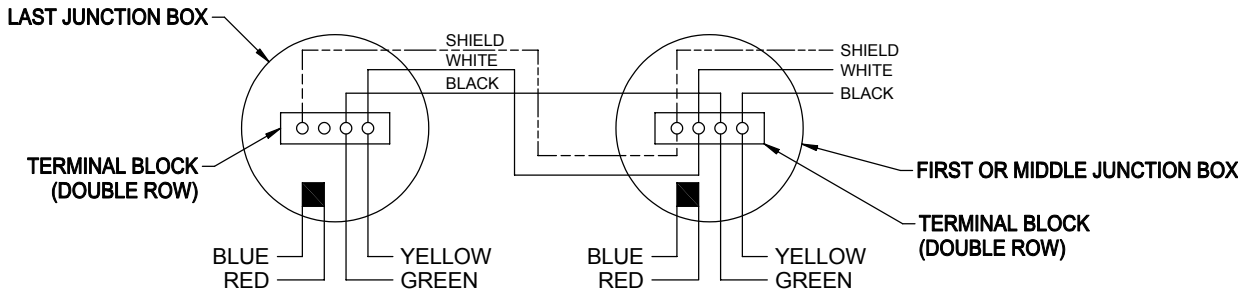
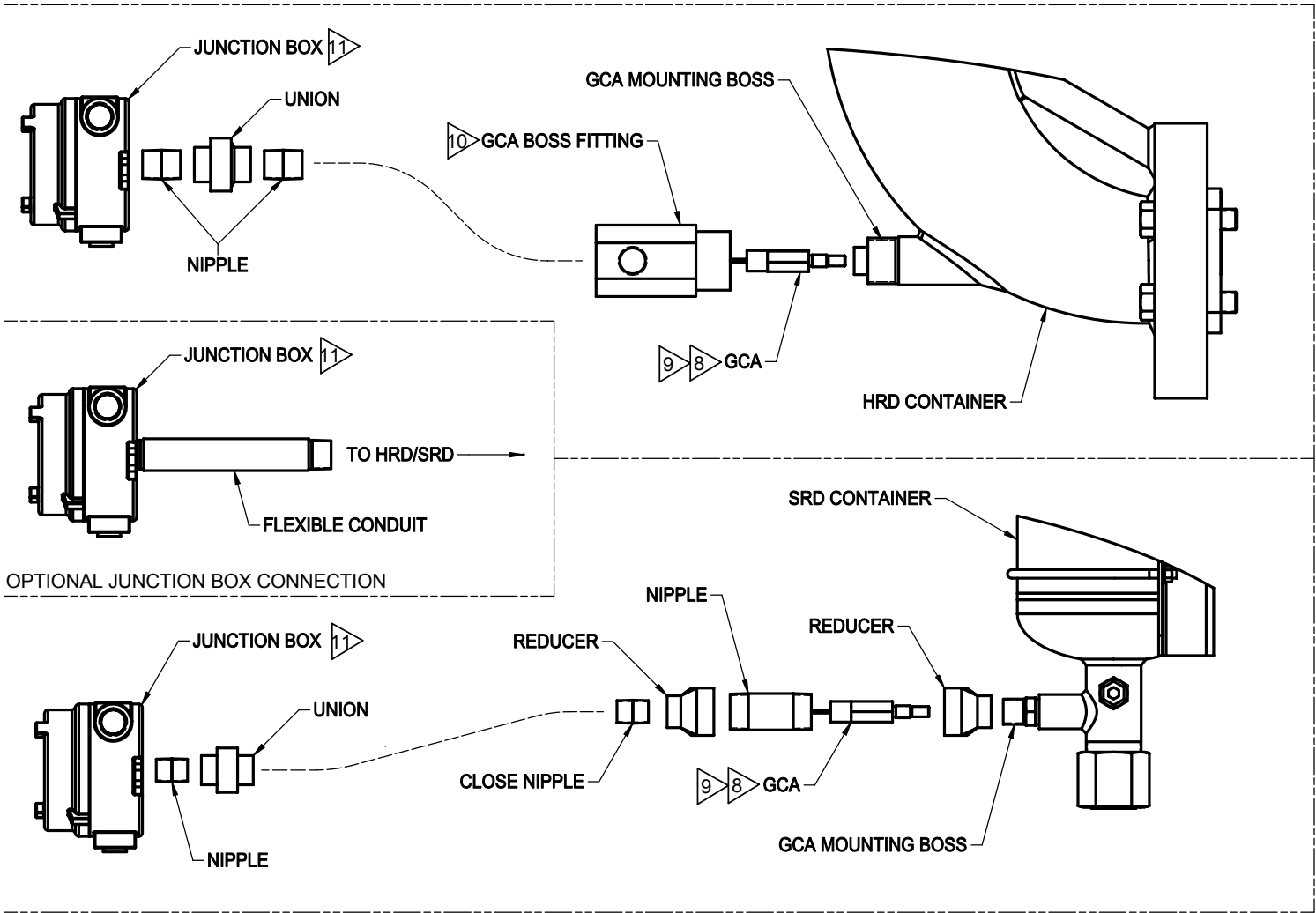
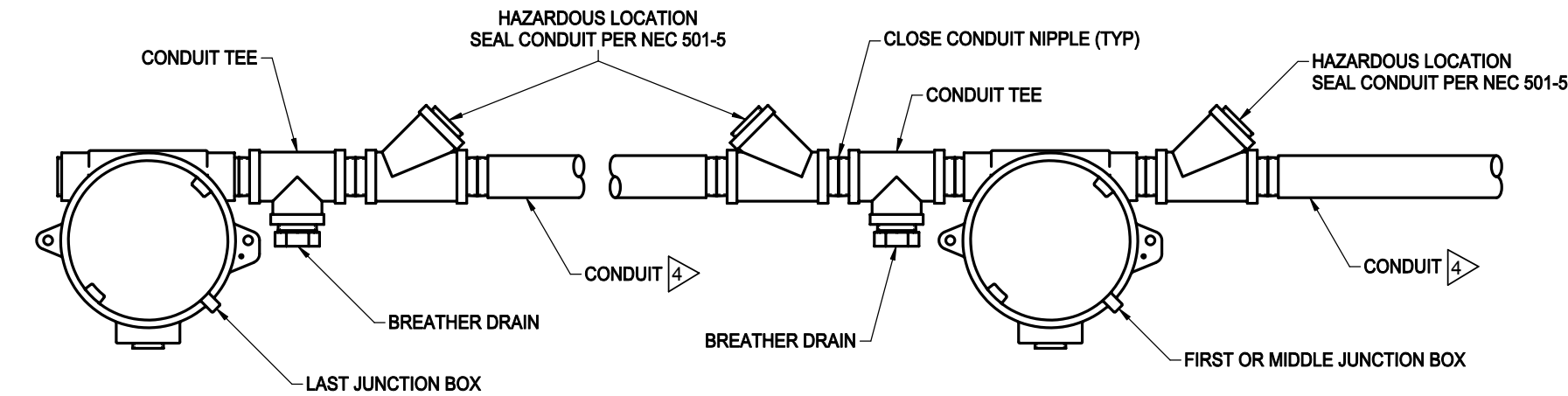
- PER LAST HRD LOCATION:
- (1) - JUNCTION BOX
 - (1) - DOUBLE ROW TERMINAL BLOCK
 - (1) - 3/4" CONDUIT SEAL (IF REQ. PER NEC)
 - (1) - 3/4" CONDUIT TEE
 - (1) - 3/4" BREATHER DRAIN
 - (2) - 3/4" CLOSE CONDUIT NIPPLE
 - (1) - 3/4" UNION
 - (2) - 3/4" CLOSE NIPPLE

- SUPPLIED BY FIKE PER HRD:
- (1) - GAS CARTRIDGE ACTUATOR (GCA)
 - (1) - GCA BOSS FITTING
 - (1) - 3/4" PLUG

- PER SRD FOR FIRST/MIDDLE LOCATION:
- (1) - JUNCTION BOX
 - (1) - DOUBLE ROW TERMINAL BLOCK
 - (2) - 3/4" CONDUIT SEAL (IF REQ. PER NEC)
 - (1) - 3/4" CONDUIT TEE
 - (1) - 3/4" BREATHER DRAIN
 - (3) - 3/4" CLOSE CONDUIT NIPPLE
 - (1) - 1/2" UNION
 - (1) - 1/2" CLOSE NIPPLE


- PER LAST SRD LOCATION:
- (1) - JUNCTION BOX
 - (1) - DOUBLE ROW TERMINAL BLOCK
 - (1) - 3/4" CONDUIT SEAL (IF REQ. PER NEC)
 - (1) - 3/4" CONDUIT TEE
 - (1) - 3/4" BREATHER DRAIN
 - (2) - 3/4" CLOSE CONDUIT NIPPLE
 - (1) - 1/2" UNION
 - (1) - 1/2" CLOSE NIPPLE

- SUPPLIED BY FIKE PER SRD:
- (1) - GAS CARTRIDGE ACTUATOR (GCA)
 - (2) - 1" x 1/2" REDUCER
 - (1) - 1" CONDUIT NIPPLE, 3" LONG
 - (1) - 1/2" CLOSE NIPPLE



GCA WIRING DETAIL 9>
SHUNT AND INSULATE RED AND BLUE LEADS WITH ELECTRICAL TAPE
INSULATE SHIELD WITHIN JUNCTION BOX

REV	DESCRIPTION	DATE	BY/APP/APP
D	MULTIPLE REVISIONS, SEE ECO	01/09/12	ARS JLF KC

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UNITS OF MEASUREMENTS: INCH				TITLE			
Copyright© 2004 by Fike Corp. All rights reserved.				MOUNTING DETAIL GCA, SERIES FIRED, HRD & SRD			
DRN	BRE	DATE	03/23/04	SIZE	FSCM No.	DWG NO.	REV
CHKD	BPS	DATE	03/25/04	C	06370	E11-500-08	D
ENGR	RAR	DATE	03/25/04	SCALE	FILE NAME	SHEET OF	
				NONE	E11-500-08.idw		