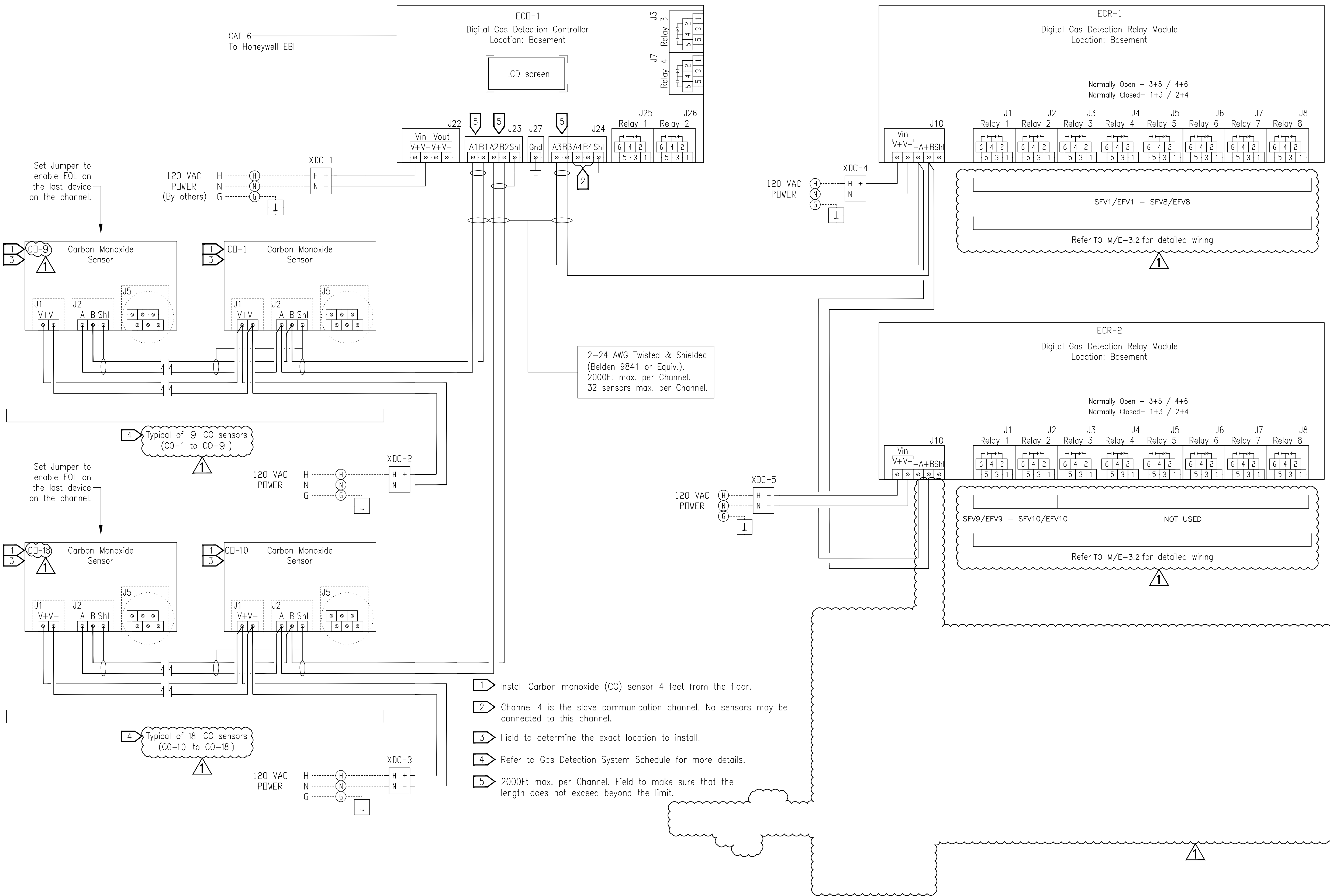
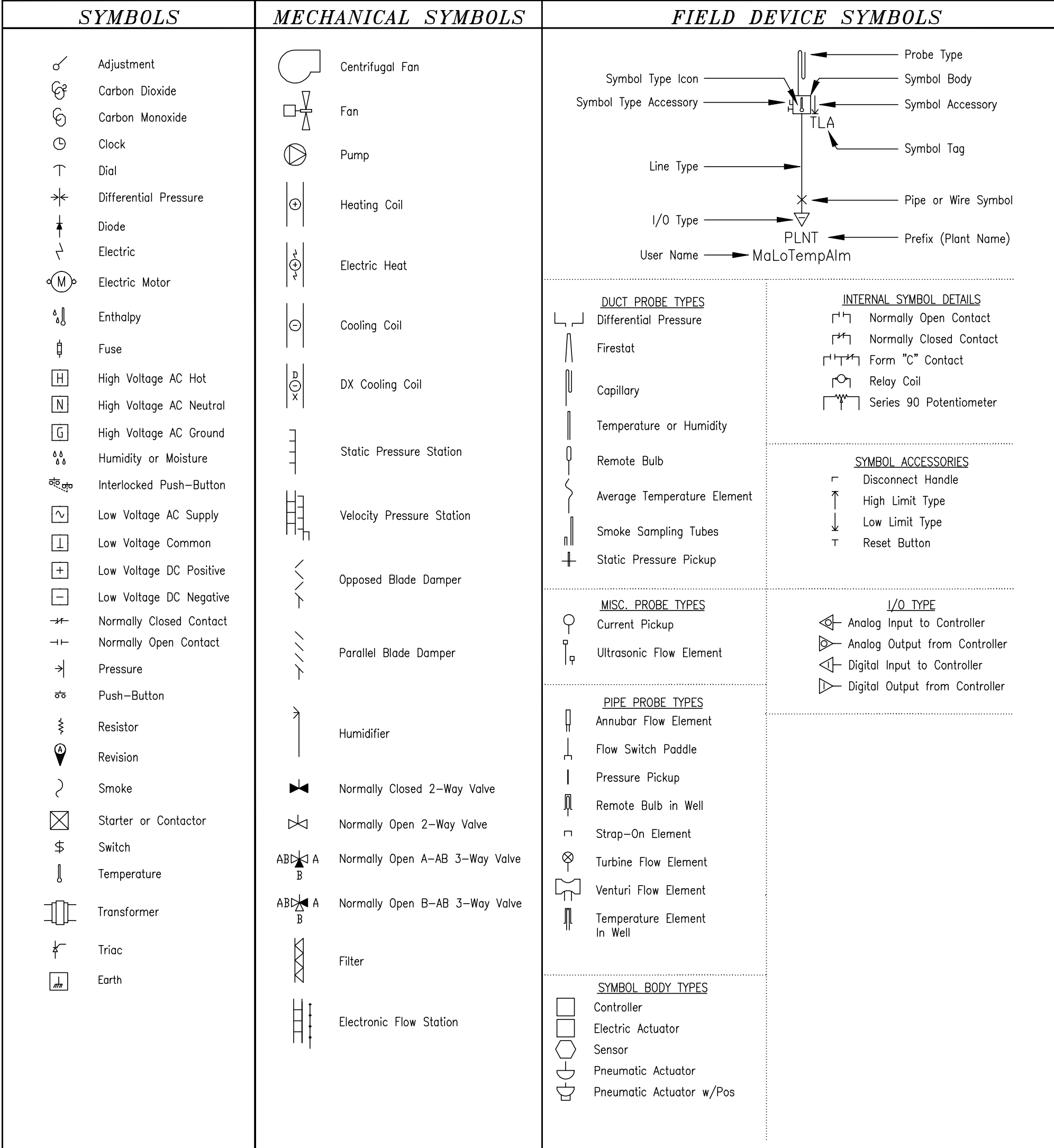


CONTROL SCHEMATIC LEGEND



GAS DETECTION SYSTEM CONTROL WIRING SCHEMATIC

N.T.S.

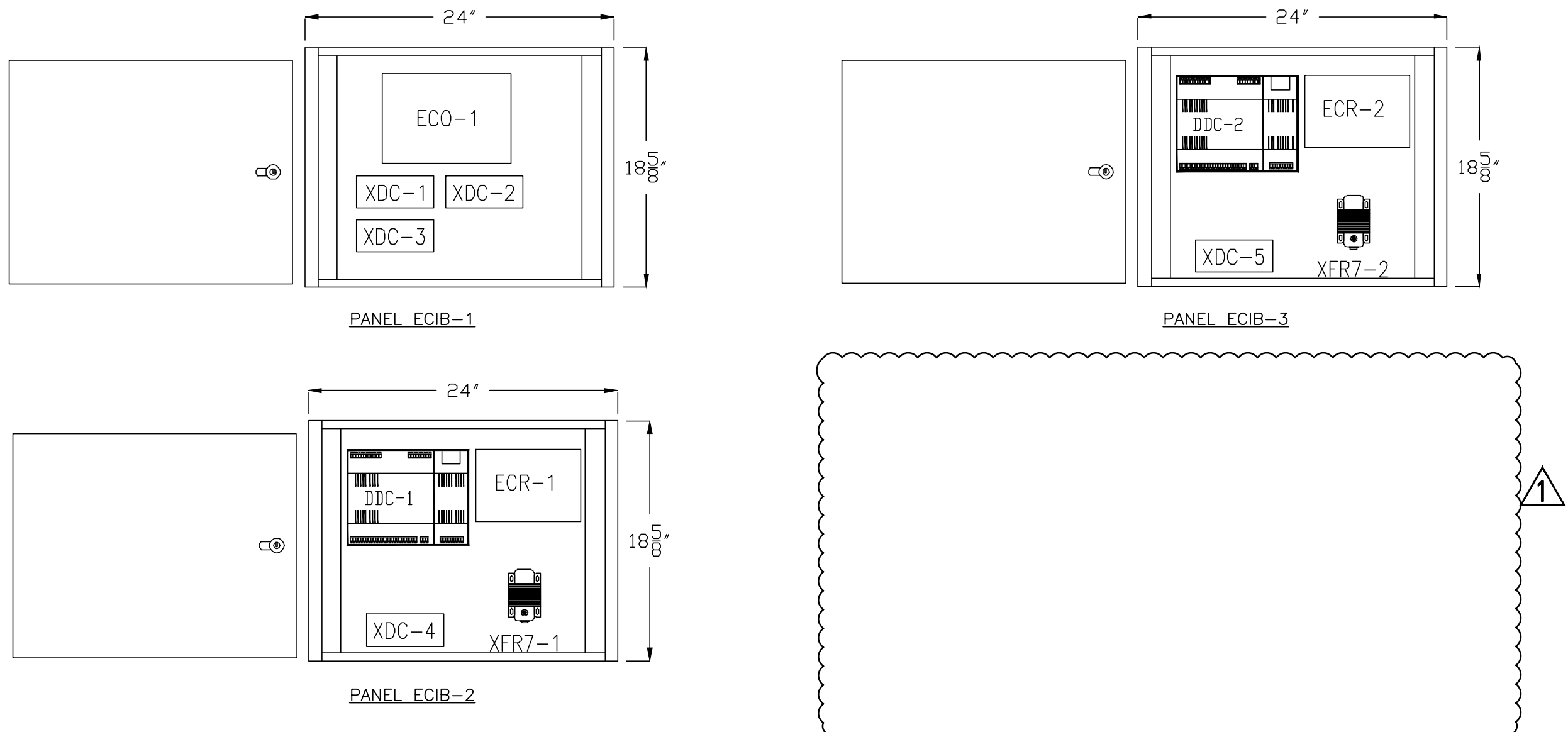
Sr.No.	CO Sensor Tag	SFV-1	EFV-1	SFV-2	EFV-2	SFV-3	EFV-3	SFV-4	EFV-4	SFV-5	EFV-5	SFV-6	EFV-6	SFV-7	EFV-7	SFV-8	EFV-8	SFV-9	EFV-9	SFV-10	EFV-10
1	CO-1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	CO-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	CO-3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	CO-4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	CO-5																				
6	CO-6																				
7	CO-7																				
8	CO-8																				
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16	CO-16																				
17	CO-17																				
18	CO-18																				

Sr.No.	CO Sensor Tag	SFV-11	EFV-11	SFV-12	EFV-12	SFV-13	EFV-13	SFV-14	EFV-14	SFV-15	EFV-15	SFV-16	EFV-16	SFV-17	EFV-17	SFV-18	EFV-18	SFV-19	EFV-19	SFV-20	EFV-20	SFV-21	EFV-21
19	CO-19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	CO-20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	CO-21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	CO-22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	CO-23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24	CO-24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	CO-25																						
26	CO-26																						
27	CO-27																						
28	CO-28																						
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33	CO-33																						
34	CO-34																						
35	CO-35																						
36	CO-36																						
37	CO-37																						

NOTES:

- EACH SENSOR SHALL BE ASSOCIATED WITH A SUPPLY FAN (SFV) AND EXHAUST FAN (EFV) SYSTEM INDICATED BY "X" ABOVE.
- THE FINAL QUANTITY AND INTERLOCK CONFIGURATION SHALL BE AS DETERMINED BY THE CONTROL SYSTEM AND SENSOR MANUFACTURER.

GARAGE VENTILATION FAN/SENSOR IDENTIFICATION MATRIX



GAS DETECTION SYSTEM CONTROL PANEL LAYOUT

N.T.S.

DCA SUBMISSION
DATE: 04-23-2020

RVE
1901
REMINGTON & VERNICK ENGINEERS
232 KINGS HIGHWAY EAST
HADDONFIELD, NJ 08033
(856) 795-9595, FAX (856) 795-1882
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28003300
—ENGINEERING EXCELLENCE—

DATE: 04-23-2020
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. NO. 40059

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REVISION	DATE	BY	CHK
1	04-23-2020	CS	

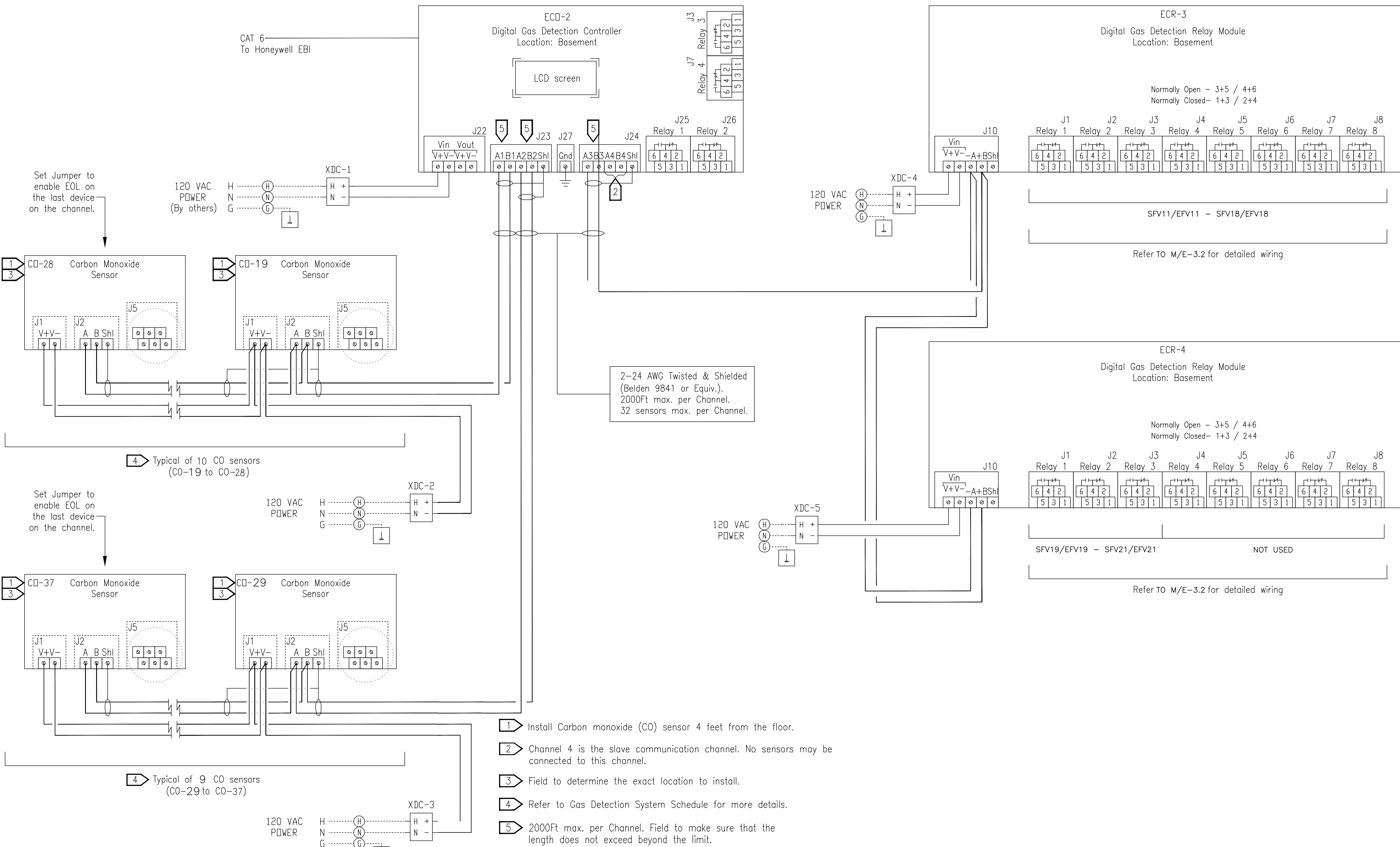
MECHANICAL/ELECTRICAL DETAILS

SPECTRA VENUE MANAGEMENT
ATLANTIC CITY CONVENTION CENTER PARKING GARAGE
VENTILATION CONTROL SYSTEM REPLACEMENT
ATLANTIC CITY
ATLANTIC COUNTY
NEW JERSEY

DRAWN BY	DESIGNED BY	CHECKED BY	SCALE
MM	TK		AS NOTED
DATE	07-23-2019		
SHEET No.	28		
300X400X3			

CONTROL SCHEMATIC LEGEND

SYMBOLS	MECHANICAL SYMBOLS	FIELD DEVICE SYMBOLS
<div><div>Adjustment</div><div>Carbon Dioxide</div><div>Carbon Monoxide</div><div>Clock</div><div>Dial</div><div>Differential Pressure</div><div>Diode</div><div>Electric</div><div>Electric Motor</div><div>Enthalpy</div><div>Fuse</div><div>High Voltage AC Hot</div><div>High Voltage AC Neutral</div><div>High Voltage AC Ground</div><div>Humidity or Moisture</div><div>Interlocked Push-Button</div><div>Low Voltage AC Supply</div><div>Low Voltage Common</div><div>Low Voltage DC Positive</div><div>Low Voltage DC Negative</div><div>Normally Closed Contact</div><div>Normally Open Contact</div><div>Pressure</div><div>Push-Button</div><div>Resistor</div><div>Revision</div><div>Smoke</div><div>Starter or Contactor</div><div>Switch</div><div>Temperature</div><div>Transformer</div><div>Triac</div><div>Earth</div></div>	<div><div>Centrifugal Fan</div><div>Fan</div><div>Pump</div><div>Heating Coil</div><div>Electric Heat</div><div>Cooling Coil</div><div>DX Cooling Coil</div><div>Static Pressure Station</div><div>Velocity Pressure Station</div><div>Opposed Blade Damper</div><div>Parallel Blade Damper</div><div>Humidifier</div><div>Normally Closed 2-Way Valve</div><div>Normally Open 2-Way Valve</div><div>Normally Open A-AB 3-Way Valve</div><div>Normally Open B-AB 3-Way Valve</div><div>Filter</div><div>Electronic Flow Station</div></div>	<div><div><div>Symbol Type Icon</div><div>Symbol Type Accessory</div><div>Line Type</div><div>I/O Type</div><div>User Name</div><div>MaLoTempAlm</div><div>Prefix (Plant Name)</div></div><div><div>DUCT PROBE TYPES</div><div>Differential Pressure</div><div>Firestat</div><div>Capillary</div><div>Temperature or Humidity</div><div>Remote Bulb</div><div>Average Temperature Element</div><div>Smoke Sampling Tubes</div><div>Static Pressure Pickup</div></div><div><div>PIPE PROBE TYPES</div><div>Annubar Flow Element</div><div>Flow Switch Paddle</div><div>Pressure Pickup</div><div>Remote Bulb in Well</div><div>Strap-On Element</div><div>Turbine Flow Element</div><div>Venturi Flow Element</div><div>Temperature Element in Well</div></div><div><div>SYMBOL BODY TYPES</div><div>Controller</div><div>Electric Actuator</div><div>Sensor</div><div>Pneumatic Actuator</div><div>Pneumatic Actuator w/Pos</div></div><div><div>INTERNAL SYMBOL DETAILS</div><div>Normally Open Contact</div><div>Normally Closed Contact</div><div>Form "C" Contact</div><div>Relay Coil</div><div>Series 90 Potentiometer</div><div>SYMBOL ACCESSORIES</div><div>Disconnect Handle</div><div>High Limit Type</div><div>Low Limit Type</div><div>Reset Button</div><div>I/O TYPE</div><div>Analog Input to Controller</div><div>Analog Output from Controller</div><div>Digital Input to Controller</div><div>Digital Output from Controller</div></div></div>



- 1 Install Carbon monoxide (CO) sensor 4 feet from the floor.
- 2 Channel 4 is the slave communication channel. No sensors may be connected to this channel.
- 3 Field to determine the exact location to install.
- 4 Refer to Gas Detection System Schedule for more details.
- 5 2000ft max. per Channel. Field to make sure that the length does not exceed beyond the limit.

ECO-1

Sr.No.	CO Sensor Tag	SFV-1	EFV-1	SFV-2	EFV-2	SFV-3	EFV-3	SFV-4	EFV-4	SFV-5	EFV-5	SFV-6	EFV-6	SFV-7	EFV-7	SFV-8	EFV-8	SFV-9	EFV-9	SFV-10	EFV-10
1	CO-1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	CO-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	CO-3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	CO-4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	CO-5																				
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ECO-2

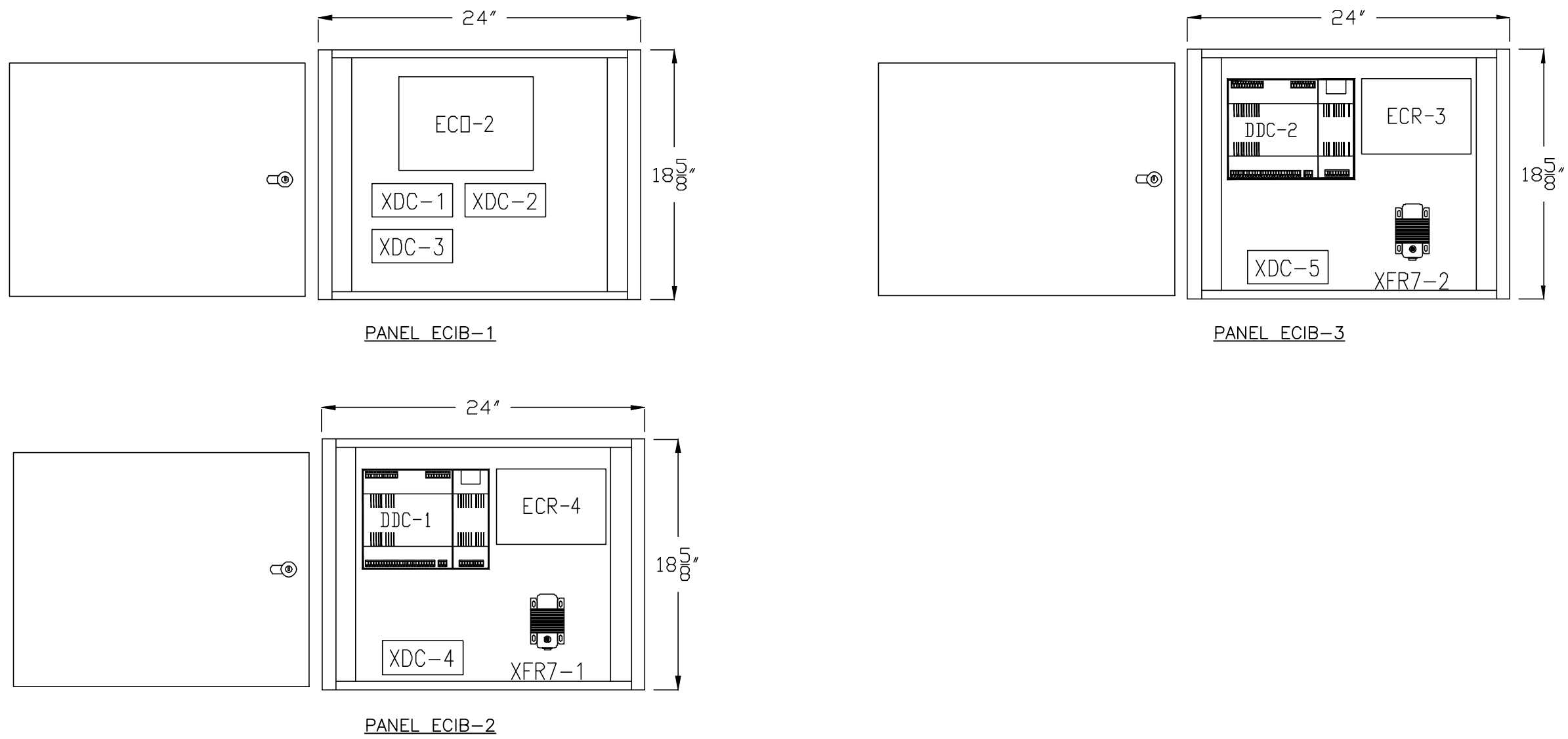
Sr.No.	CO Sensor Tag	SFV-11	EFV-11	SFV-12	EFV-12	SFV-13	EFV-13	SFV-14	EFV-14	SFV-15	EFV-15	SFV-16	EFV-16	SFV-17	EFV-17	SFV-18	EFV-18	SFV-19	EFV-19	SFV-20	EFV-20	SFV-21	EFV-21
19	CO-19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	CO-20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	CO-21																						
22	CO-22																						
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GAS DETECTION SYSTEM CONTROL WIRING SCHEMATIC

N.T.S.



GAS DETECTION SYSTEM CONTROL PANEL LAYOUT

N.T.S.



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REVISION	DATE	BY	CHK
1	4-23-2020		

MECHANICAL/ELECTRICAL DETAILS
SPECTRA VENUE MANAGEMENT
ATLANTIC CITY CONVENTION CENTER PARKING GARAGE
VENTILATION CONTROL SYSTEM REPLACEMENT
ATLANTIC CITY ATLANTIC COUNTY NEW JERSEY

DRAWN BY	DESIGNED BY	CHECKED BY	SCALE
MM	TK		AS NOTED
DATE: 07-23-2019		SHEET NO.: 30824003	
JOB NO.: 30824003		M/E-3.1B	

DCA SUBMISSION
DATE: 04-23-2020



DCA SUBMISSION
DATE: 04-23-2020