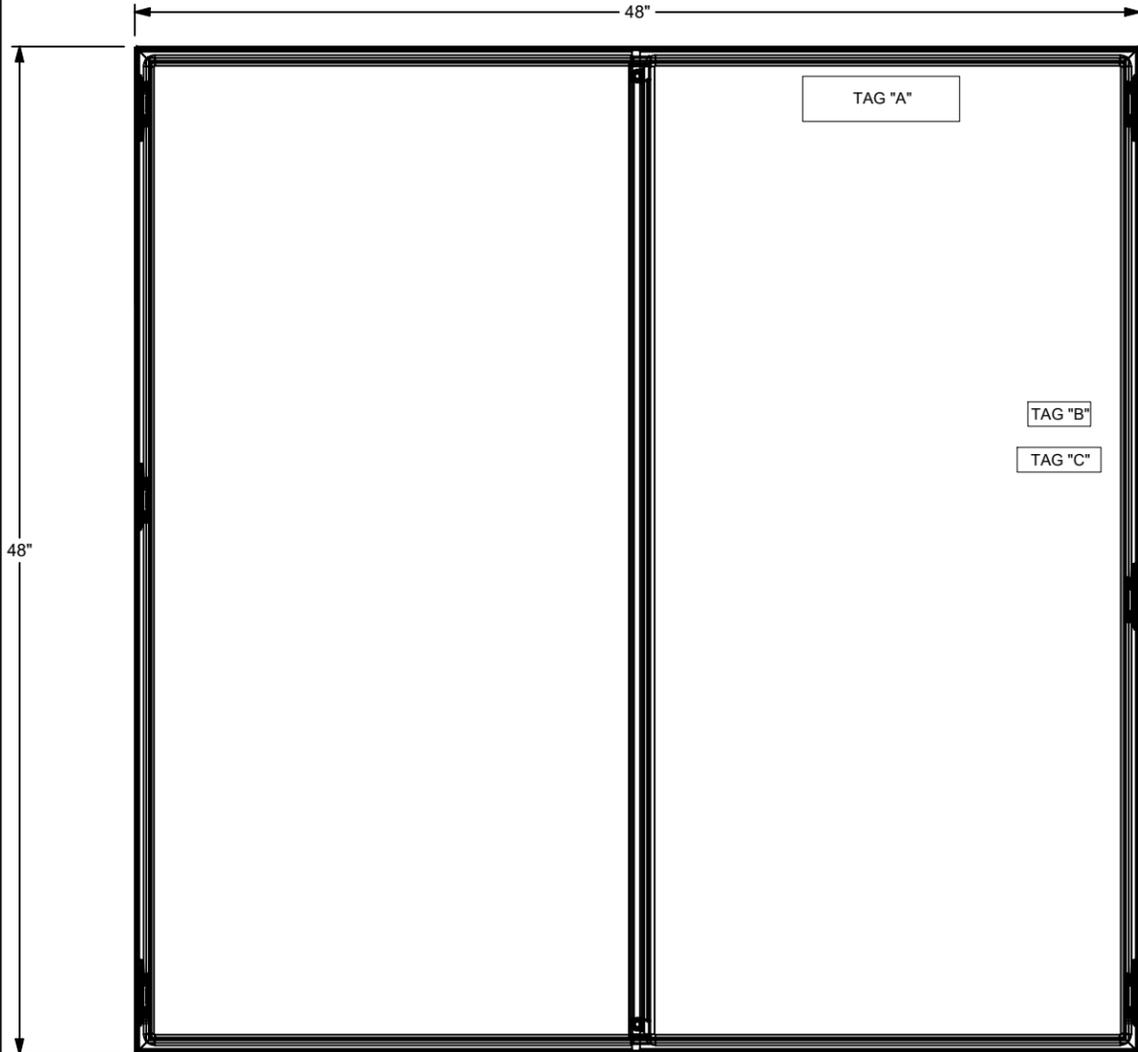
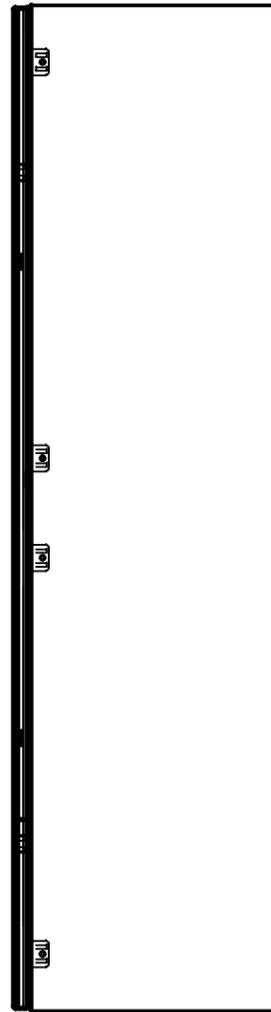




TOP VIEW



FRONT VIEW



SIDE VIEW

ITEM#	QTY.	DESCRIPTION	PART NUMBER	MANUFACTURER
1	1	NEMA 12, 48"H x 48"W x 12"D, CONCEPT TWO-DOOR, WALL MOUNT ENCLOSURE WITH 12 GA CP4848 BACK PANEL (46.2" x 46.2")	CTD484812	HOFFMAN

PANEL COATING	
ALL PANELS SHOULD BE COATED EXTERNALLY WITH AN ACRYLIC ALIPHATIC URETHANE FOR UV CHEMICAL PROTECTION WITH THE FOLLOWING REFERENCE.	
ITEM	DESCRIPTION
PANEL APPLICATION COATING	PITTHANE ULTRA 95-812 (PORCELAIN WHITE)
COATING	PITTHANE ULTRA 95-819
NO EXCEPTION SHALL BE MADE FOR THE PANEL APPLICATION COATING AND COATING ITEMS REFERENCED ABOVE.	

**TAG "A"**  
 OXY LOW CARBON VENTURES  
 COZE SKID

**TAG "B"**  
 SUPPLY CIRCUIT  
 VOLTAGE: 120 VAC  
 MAIN CIRCUIT BREAKER RATING 20A

**TAG "C"**  
 CAUTION  
 MAIN CIRCUIT BREAKER "CB-1"  
 MUST BE IN OFF POSITION  
 BEFORE SERVICING ENCLOSURE

NOTES

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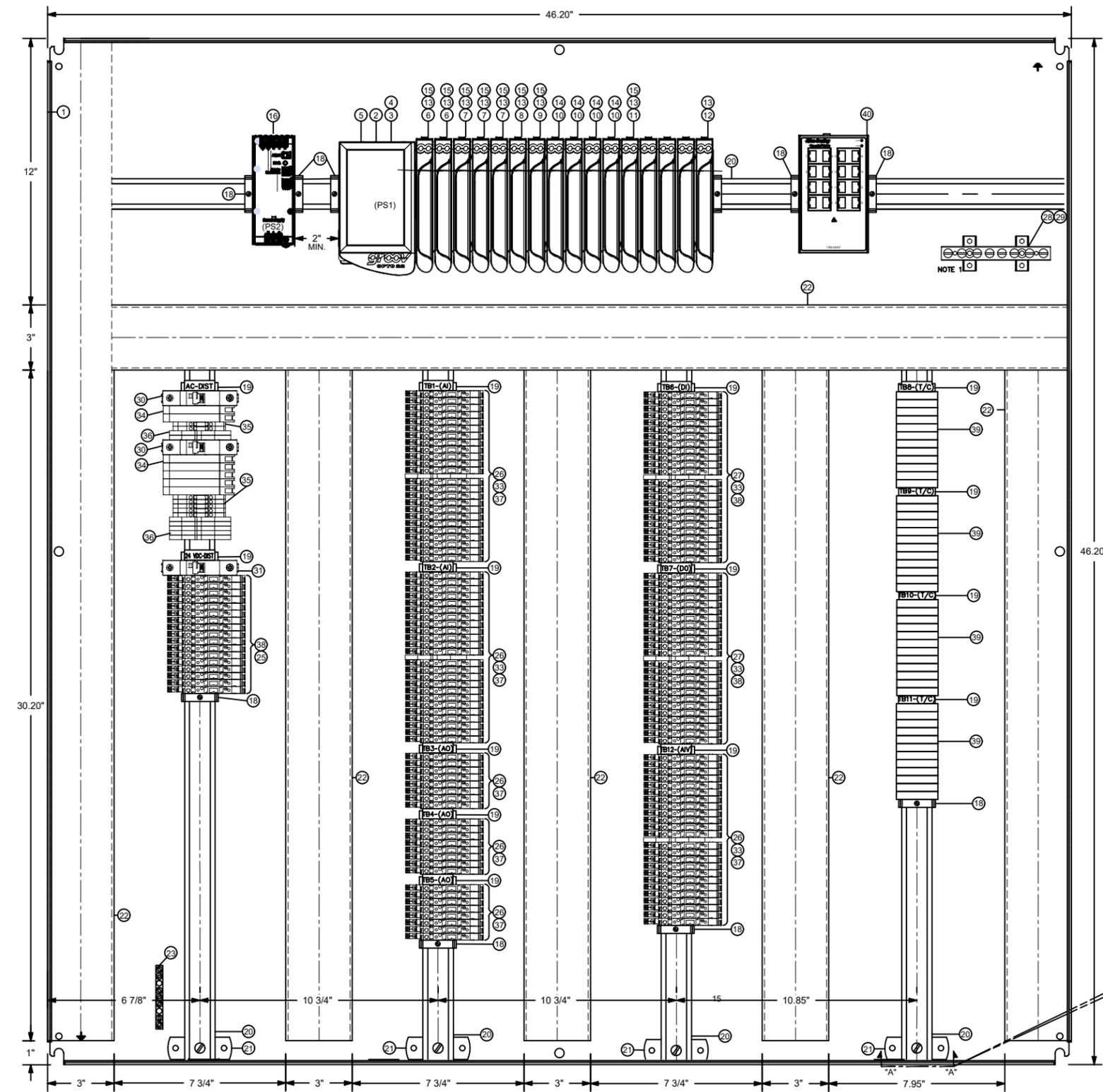
HPF CONSULTANTS, INC.  
 TBPE FIRM REG. # 4098

REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
0	11-12-14	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM	

FACILITY NAME: COZE	
DISC. CODE: IC	FACILITY TYPE: PR
DWG. TYPE: LAY	
DESCRIPTION: COZE SKID EXTERNAL LAYOUT	

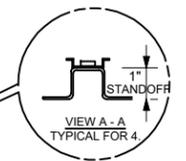


SCALE : 3"=1'-0"
AFE NUMBER:
DRAWING NO: XCOZE-PRO-HPF-IC-LAY-00001-01
REV 0



ITEM#	QTY.	DESCRIPTION	PART NUMBER	MANUFACTURER
1	1	BACK PLANE 46.2"H X 46.2"W	CP4848G	HOFFMAN
2	1	PROGRAMMABLE AUTOMATION CONTROLLER WITH INGINITION 7	GRV-EPIC-PR1	OPTO 22
3	1	POWER SUPPLY 110-240VAC INPUT VOLTAGE	GRV-EPIC-PSAC	OPTO 22
4	1	FUSE - 2A, 250 V SLOW BLOW FUSES FOR PSAC - 5 PACK	GRV-EPIC-PSAC-FUSE-5	OPTO 22
5	1	16 MODULE CHASSIS	GRV-EPIC-CHS16	OPTO 22
6	2	24 CHANNEL 0-24mA ANALOG INPUT MODULE	GRV-IMA-24	OPTO 22
7	3	8 CHANNEL ANALOG OUTPUT MODULE	GRV-OMA-8	OPTO 22
8	1	24 CHANNEL DIGITAL INPUT MODULE	GRV-IDCS-24	OPTO 22
9	1	24 CHANNEL DIGITAL OUTPUT MODULE	GRV-ODCSRC-24	OPTO 22
10	4	12 CHANNEL THERMOCOUPLE INPUT MODULE	GRV-ITM-12	OPTO 22
11	1	24 CHANNEL 0-10VDC ANALOG INPUT MODULE	GRV-IVA-24	OPTO 22
12	1	4 CHANNEL SERIAL COMMUNICATION MODULE	GRV-CSERI-4	OPTO 22
13	2(9)	PLUGGABLE TERMINAL CONNECTORS FOR FIELD WIRING - 5 PACK	GRV-TERM26-5	OPTO 22
14	1(4)	PLUGGABLE TERMINAL CONNECTORS FOR T/C FIELD WIRING - 5 PACK	GRV-TERM26-5	OPTO 22
15	8	PREWIRED COLOR CODED 26 AWG CABLE (6 FT)	GRV-TEX-26F6	OPTO 22
16	1	24 VDC, 20A POWER SUPPLY	CP20.241	PULS
17		DELETED		
18	13	1492 TERMINAL BLOCK ACCESSORIES END ANCHOR	1492-EAJ35	ALLEN-BRADLEY
19	14	1492 TERMINAL BLOCK MARKER HOLDER	1492-GM5X30	ALLEN-BRADLEY
20	3	DIN RAIL, SLOTTED, 35 MM WIDE X 2M LONG	OMEGA 3F	IBOCO
21	8	RAIL SUPPORT BRACKET	STS25	IBOCO
22	3	3"W x 4"H x 6.5 FT WIRE DUCT	T1-3040	IBOCO
23	1	GROUND BAR KIT - 5 TERMINAL	GBK5	EATON
24	7	FUSE - 6A	GMA-6-R	BUSSMAN
25	17	FUSE - 3A	GMA-3-R	BUSSMAN
26	96	FUSE - 63 mA	GMA-63-R	BUSSMAN
27	48	FUSE - 250 mA	GMA-250-R	BUSSMAN
28	1	UNIVERSAL GROUND BAR, 6 PORT, #14-#4 AWG	UB20-414-6	PANDUIT
29	1	STAND-OFFS FOR UNIVERSAL GROUND BAR	UGB-IN-SC	PANDUIT
30	3	15A AC CIRCUIT BREAKER	S201-K15	ABB
31	1	20A DC CIRCUIT BREAKER	S201-L220	ABB
32	3	18A DC CIRCUIT BREAKER	S201UDC-216	ABB
33	5	TWO LEVEL FEED-THROUGH TERMINAL	1492-JD3	ALLEN-BRADLEY
34	7	SINGLE LEVEL FUSED TERMINAL	1492-H6	ALLEN-BRADLEY
35	7	SINGLE LEVEL FEED-THROUGH TERMINAL	1492-J3	ALLEN-BRADLEY
36	7	SINGLE LEVEL FEED-THROUGH TERMINAL	1492-JG3	ALLEN-BRADLEY
37	96	THREE LEVEL FUSED TERMINAL BLOCK WITH GROUND POINT	1492-JDG3FB	ALLEN-BRADLEY
38	72	TWO LEVEL FUSED TERMINAL BLOCK	1492-JD3FB	ALLEN-BRADLEY
39	48	TWO LEVEL TYPE K THERMOCOUPLE DIN RAIL TERMINAL	1492-JTC3K	ALLEN-BRADLEY
40	1	STRATIX 2000 UNMANAGED ETHERNET SWITCH, 16 COPPER 10/100 PORTS	1783-US16T	ALLEN-BRADLEY

ITEM#	DESCRIPTION
1	#16 MTW FOR 24VDC - RED WIRE
2	#16 MTW FOR 0VDC - BLACK WIRE
3	#16 MTW FOR GROUND - GREEN WIRE
4	#18 TFFN FOR DISCRETE INPUT MODULE(S) - YELLOW WIRE
5	#18 TFFN FOR DISCRETE OUTPUT MODULE(S) - BLUE WIRE
6	#18 TFFN FOR ANALOG INPUT MODULE(S) - PURPLE WIRE
7	#18 TFFN FOR ANALOG OUTPUT MODULE(S) - GRAY WIRE



- NOTES
1. ADD AN ISOLATED GROUND BAR AND INSULATORS, ITEMS 28&29 NEAR TO RIGHT SIDE OF PLC MODULES.
  2. MAINTAIN 2" DISTANCE BETWEEN PS2 AND EPIC CHASSIS.
  3. RUN TYPE K THERMOCOUPLE EXTENSION WIRE BETWEEN THERMOCOUPLE MODULE (GRV-ITM-12) AND TERMINAL STRIP. USE HOUSTON WIRE AND CABLE HW112 2012K.



REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM	

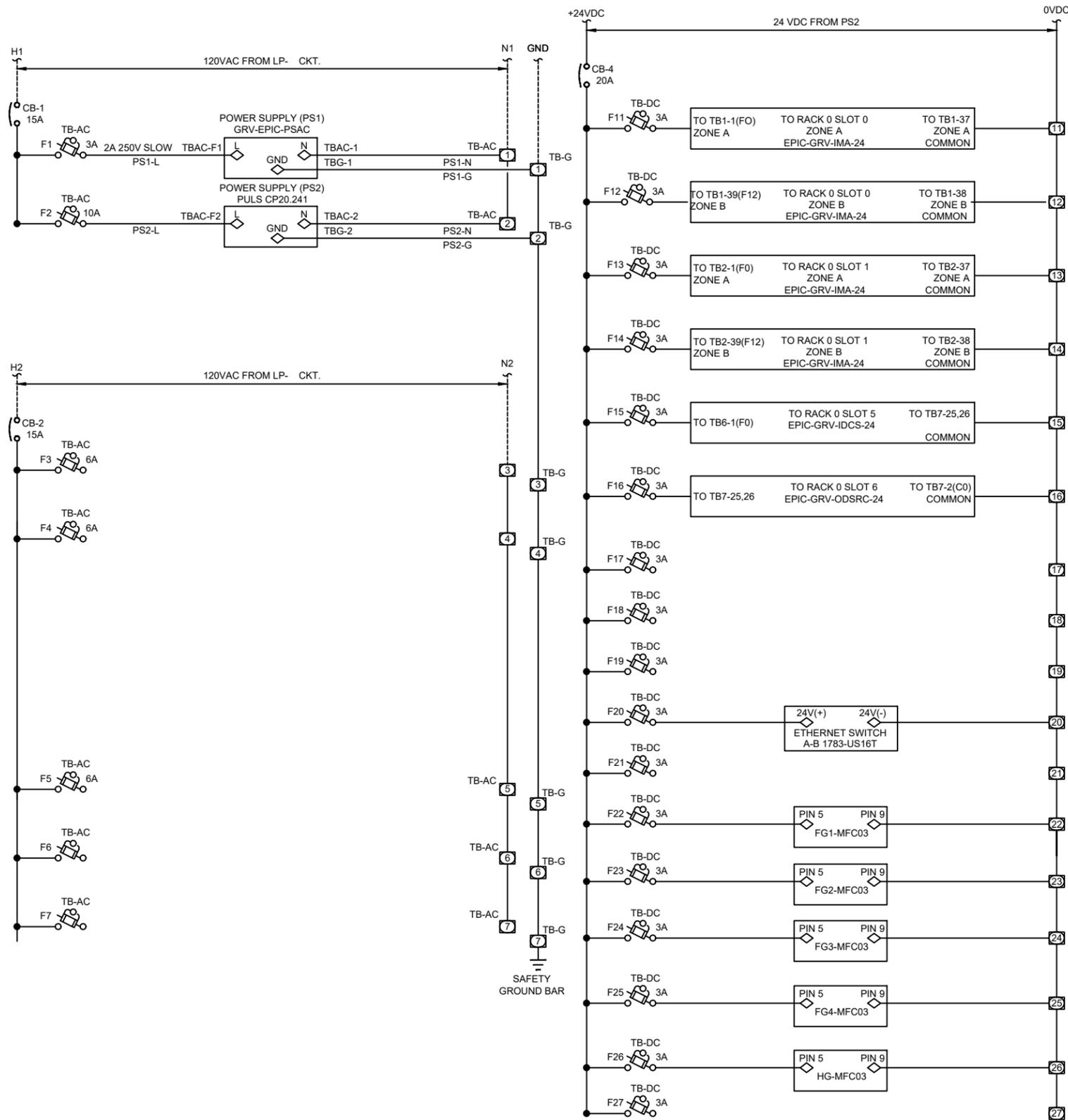
FACILITY NAME: COZE		FACILITY TYPE: PR
DISC. CODE: IC		
DWG. TYPE LAY		
DESCRIPTION COZE SKID INTERNAL LAYOUT		

**OXY** Oxy USA Inc. - Low Carbon Ventures  
A subsidiary of Occidental Petroleum Corporation

SCALE :  
4 1/2" = 1'-0"

AFE NUMBER:  
DRAWING NO.:  
XCOZE-PRO-HPF-IC-LAY-00001-02

REV: 0



- NOTES:**
1. TERMINAL BLOCK SPECIFICATION:  
24VDC AND 12VDC FUSED TERMINALS = GRAY  
GROUND TERMINALS = GREEN
  2. INTERNAL WIRING:  
#16 MTW FOR 24VDC/ 0VDC WIRING  
#18 TFFN FOR I/O MODULES WIRING
  3. WIRE COLOR:  
24VDC (+) = RED  
0VDC (-) = BLACK  
GROUND = GREEN  
DISCRETE INPUT = YELLOW  
DISCRETE OUTPUT = BLUE  
ANALOG INPUT = PURPLE  
ANALOG OUTPUT = GRAY
  4. REFER TO DETAILED WIRING DIAGRAM FOR  
SIZE AND LOCATION OF TERMINAL BLOCK FUSE.
- LEGEND:**
- ◇ DENOTES TERMINAL ON PLC MODULES
  - DENOTES TERMINAL IN CONTROL PANEL
  - DENOTES TERMINAL IN FIELD
  - DENOTES INTERNAL PANEL WIRING
  - - - DENOTES EXTERNAL FIELD WIRING
  - ⊂ DENOTES COIL AND TAPE
- FUSE NUMBER  
 BLOWN FUSE INDICATOR  
 FUSE AMPERAGE  
 - FUSED TERMINAL IN CONTROL PANEL

NOTES



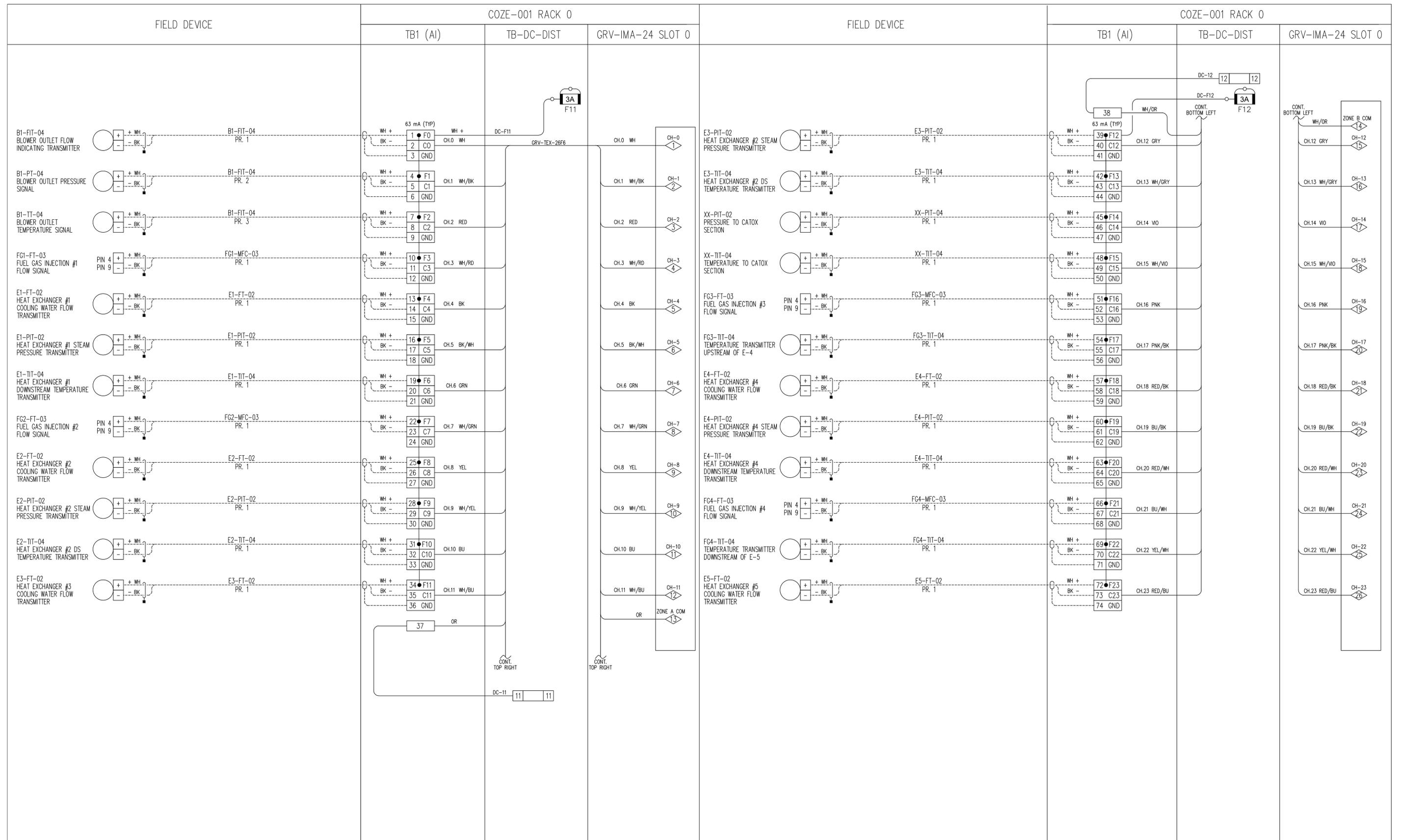
TBPE FIRM REG. # 4098

REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM	

FACILITY NAME: COZE	
DISC. CODE: IC	FACILITY TYPE: PR
DWG. TYPE LAY	
DESCRIPTION COZE SKID POWER DISTRUBUTION	



SCALE : NONE	AFE NUMBER:
DRAWING NO: XCOZE-PRO-HPF-IC-LAY-00001-03	REV 0



NOTES

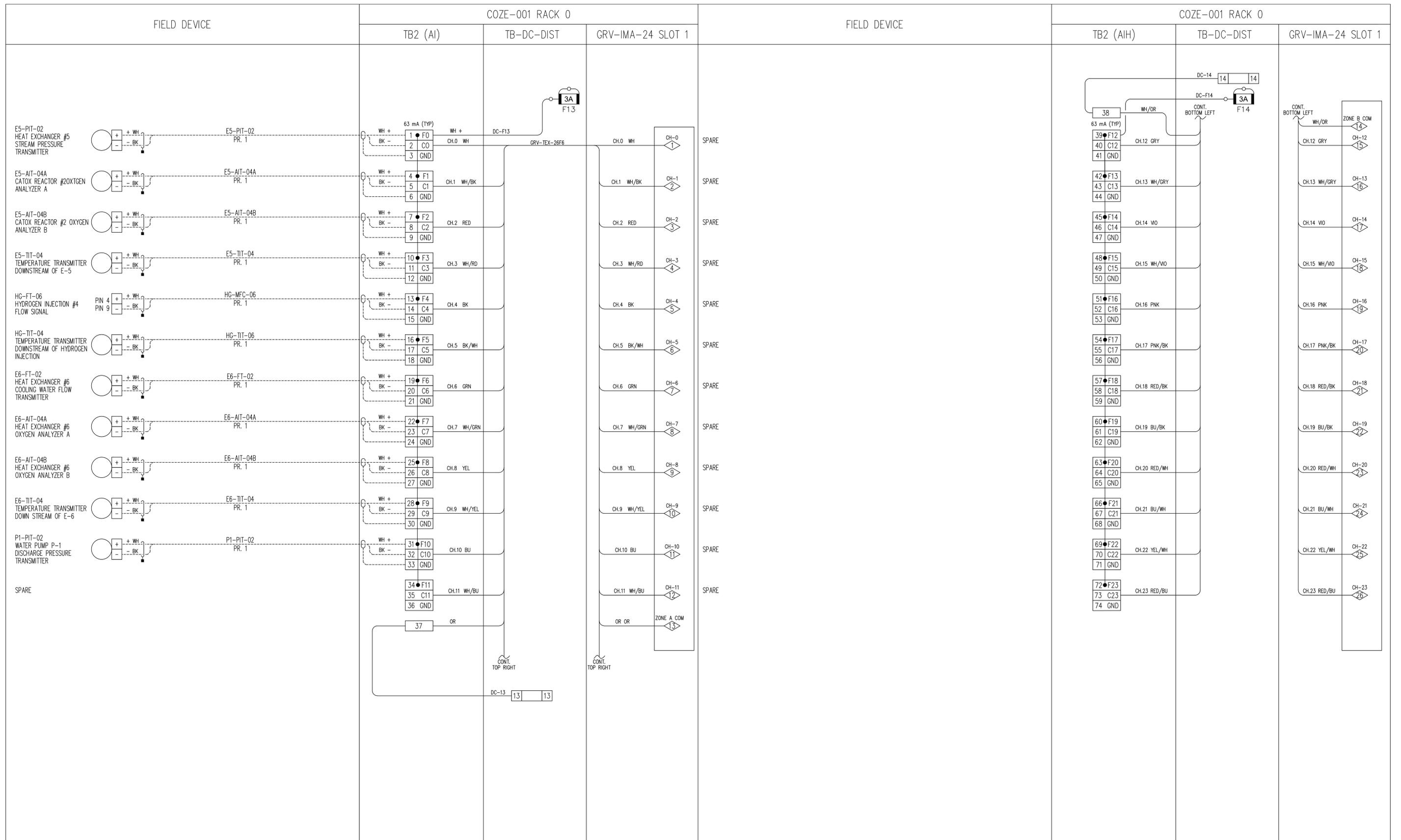
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 <b>HPF</b> CONSULTANTS, INC. TBPE FIRM REG. # 4098																					
REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D																
0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM																	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM																	

FACILITY NAME: COZE		FACILITY TYPE: PR	
DISC. CODE: IC			
DWG. TYPE LPD			
DESCRIPTION COZE-001 ANALOG INPUT: RACK-0, SLOT 0, TB1			


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SCALE :  
 NTS  
 AFE NUMBER:  
 DRAWING NO: XCOZE-PRO-HPF-IC-LPD-00001-01  
 REV: 0

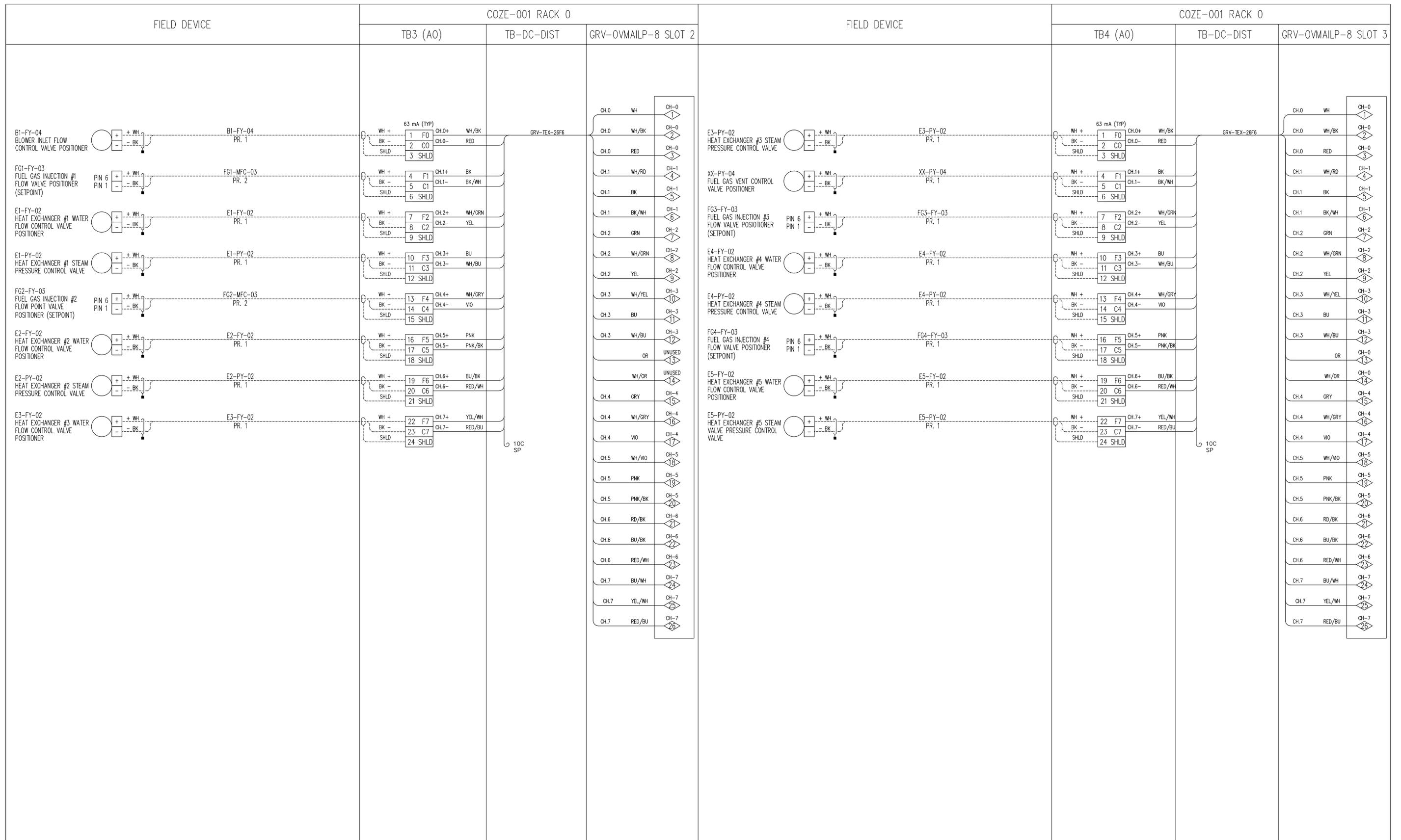


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 <b>HPF</b> CONSULTANTS, INC. TBPE FIRM REG. # 4098		REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
		0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM			

FACILITY NAME: COZE		FACILITY TYPE: PR		 Oxy USA Inc. - Low Carbon Ventures A subsidiary of Occidental Petroleum Corporation
DISC. CODE: IC		DWG. TYPE LPD		
DESCRIPTION COZE-001 ANALOG INPUT: RACK-0, SLOT 1, TB2				SCALE : NTS
REV. DATE REVISION - DESCRIPTION BY CHK'D APP'D				AFE NUMBER: DRAWING NO:
				XCOZE-PRO-HPF-IC-LPD-00001-02 0



NOTES

1. RUN HOUSTON WIRE AND CABLE 300V, 12 PR., 20 AWG, OVERALL SHIELD, TYPE K THERMOCOUPLE EXTENSION, HOUSTON WIER AND CABLE CAT. NO. HW112
- 2021K. BETWEEN TYPE K T/C TERMINAL WS AND MODULE. ROUTE OVERALL SHIELD TO ISOLATED GROUND BAR.



REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM	

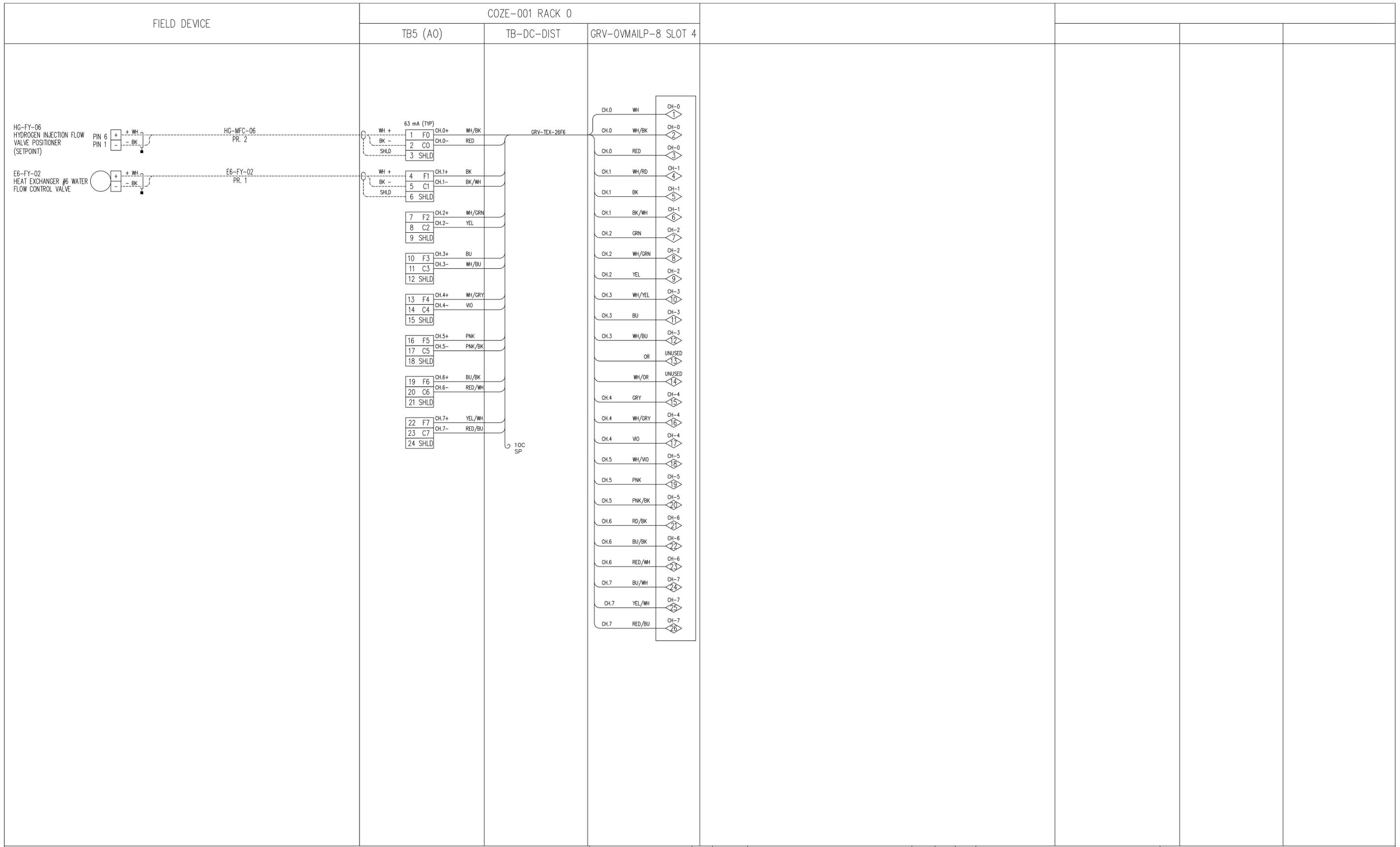
FACILITY NAME: COZE	
DISC. CODE: IC	FACILITY TYPE: PR
DWG. TYPE LPD	
DESCRIPTION COZE-001 ANALOG OUTPUT: RACK-0, SLOT 2, TB3 SLOT 3, TB4	

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SCALE :  
NTS

AFE NUMBER:  
DRAWING NO: XCOZE-PRO-HPF-IC-LPD-00001-03

REV: 0



**NOTES**

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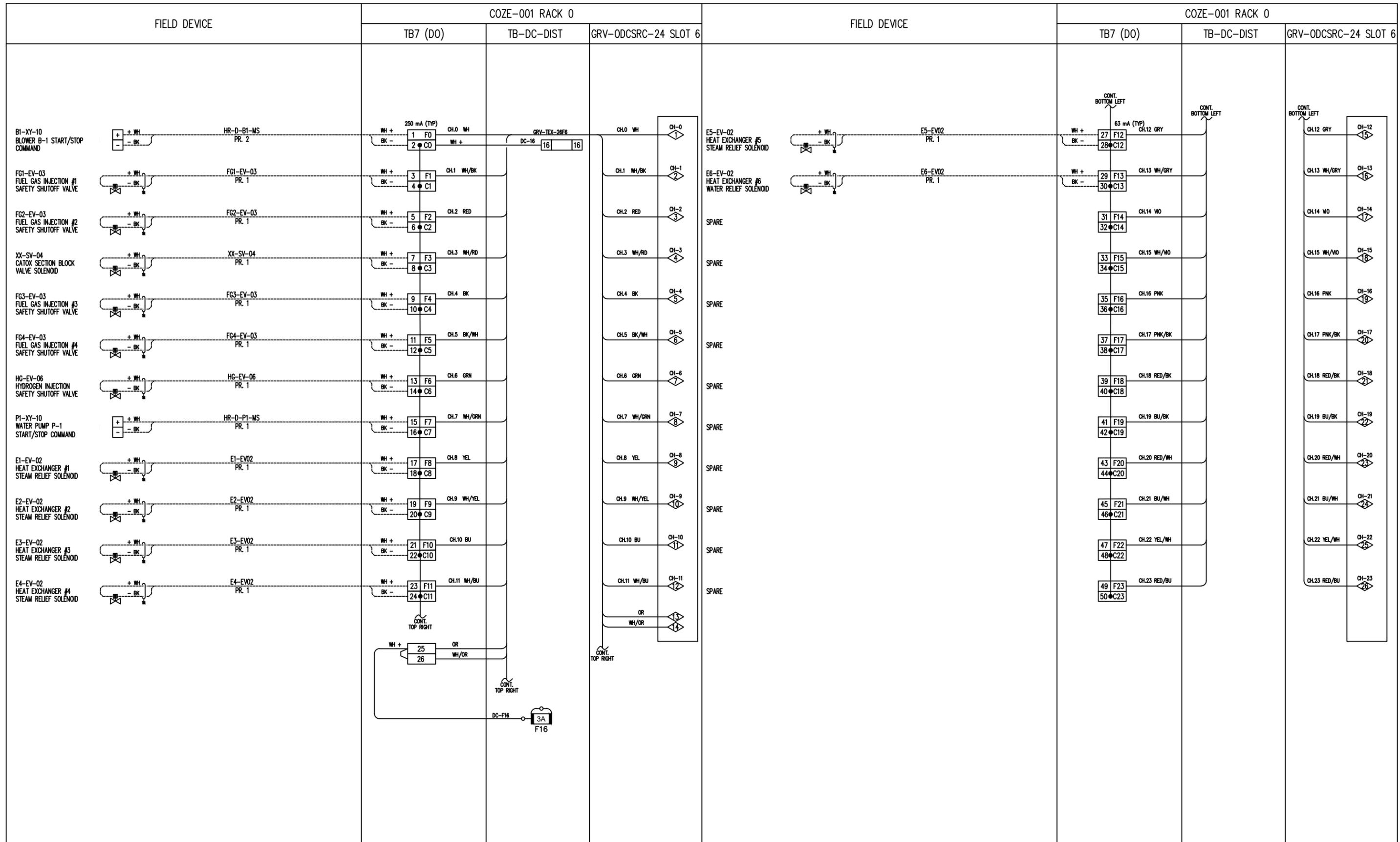


REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM	

FACILITY NAME: COZE	
DISC. CODE: IC	FACILITY TYPE: PR
DWG. TYPE LPD	
DESCRIPTION COZE-001 ANALOG OUTPUT: RACK-0, SLOT 4, TB5	

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SCALE : NTS	
AFE NUMBER:	
DRAWING NO: XCOZE-PRO-HPF-IC-LPD-00001-04	REV 0





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TBPE FIRM REG. # 4098

REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM	

FACILITY NAME:  
 COZE  
 DISC. CODE:  
 IC  
 DWG. TYPE  
 LPD  
 DESCRIPTION  
 COZE-001  
 DIGITAL OUTPUT: RACK-0, SLOT 6, TB7

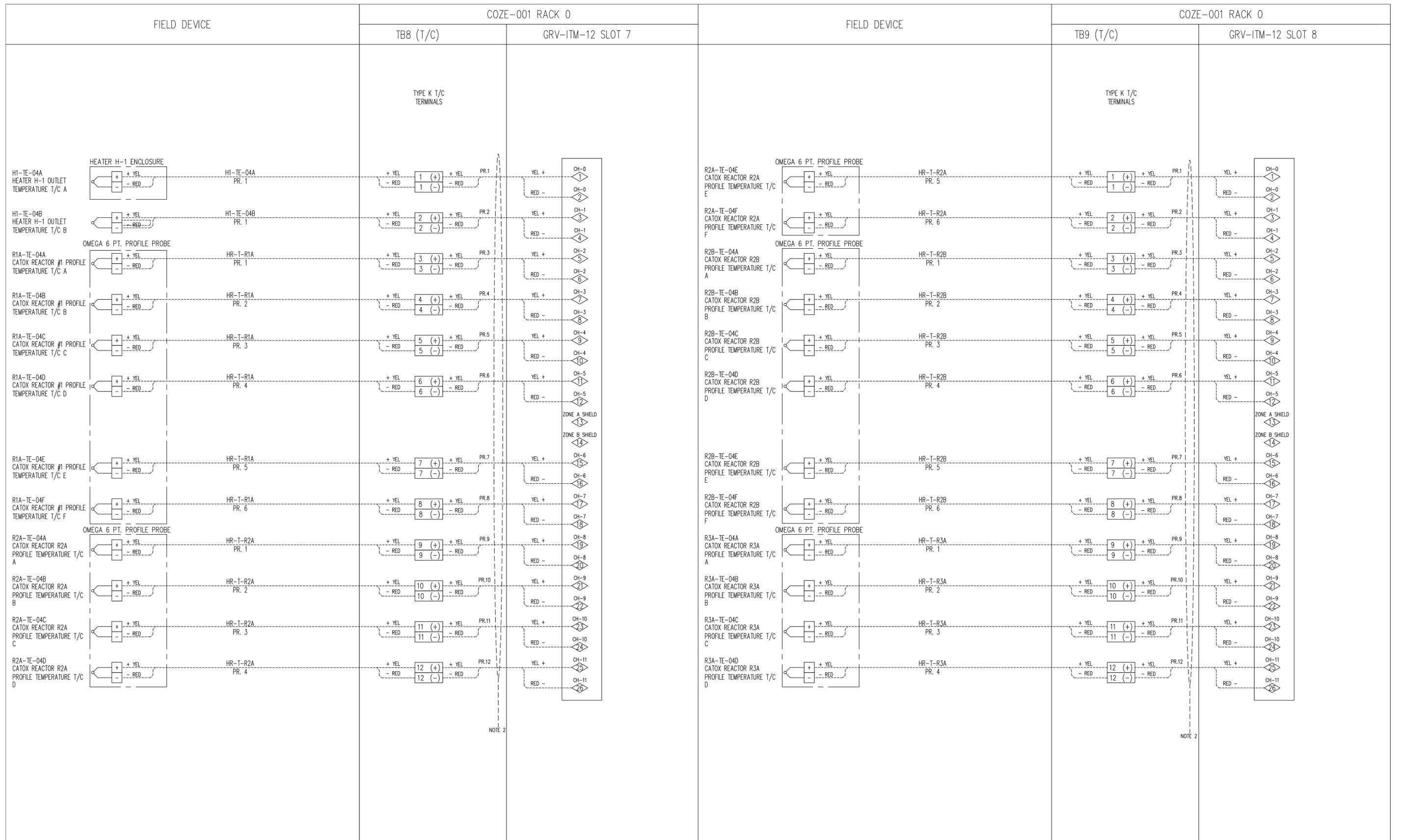
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SCALE :  
 NTS

AFE NUMBER:  
 XCOZE-PRO-HPF-IC-LPD-00001-06

DRAWING NO:  
 XCOZE-PRO-HPF-IC-LPD-00001-06

REV  
 0



NOTES

- HR-T-R1, HR-T-R2A, HR-T-2B, HR-T-R3A, HR-T-R3B CABLES ARE 8 PAIR TYPE K MULTIPAIR IS/OS THERMOCOUPLE EXTENSION CABLE HW112-2008K. (20 AWG)
- RUN HOUSTON WIRE AND CABLE 300V, 12PR., 20 AWG, OVERALL SHIELD, TYPE K THERMOCOUPLE EXTENSION WIRE, HOUSTON WIRE, HOUSTON WIRE AND CABLE CAT. NO. HW112 2012K. BETWEEN TYPE K T/C TERMINALS AND MODULE. ROUTE OVERALL SHIELD TO ISOLATED GROUND BAR.

 <b>TBPE FIRM REG. # 4098</b>		REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
		0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM			

FACILITY NAME: COZE	
DISC. CODE: IC	FACILITY TYPE: PR
DWG. TYPE LPD	
DESCRIPTION COZE-001 THERMOCOUPLE INPUT: RACK-0, SLOT 8 & 9	

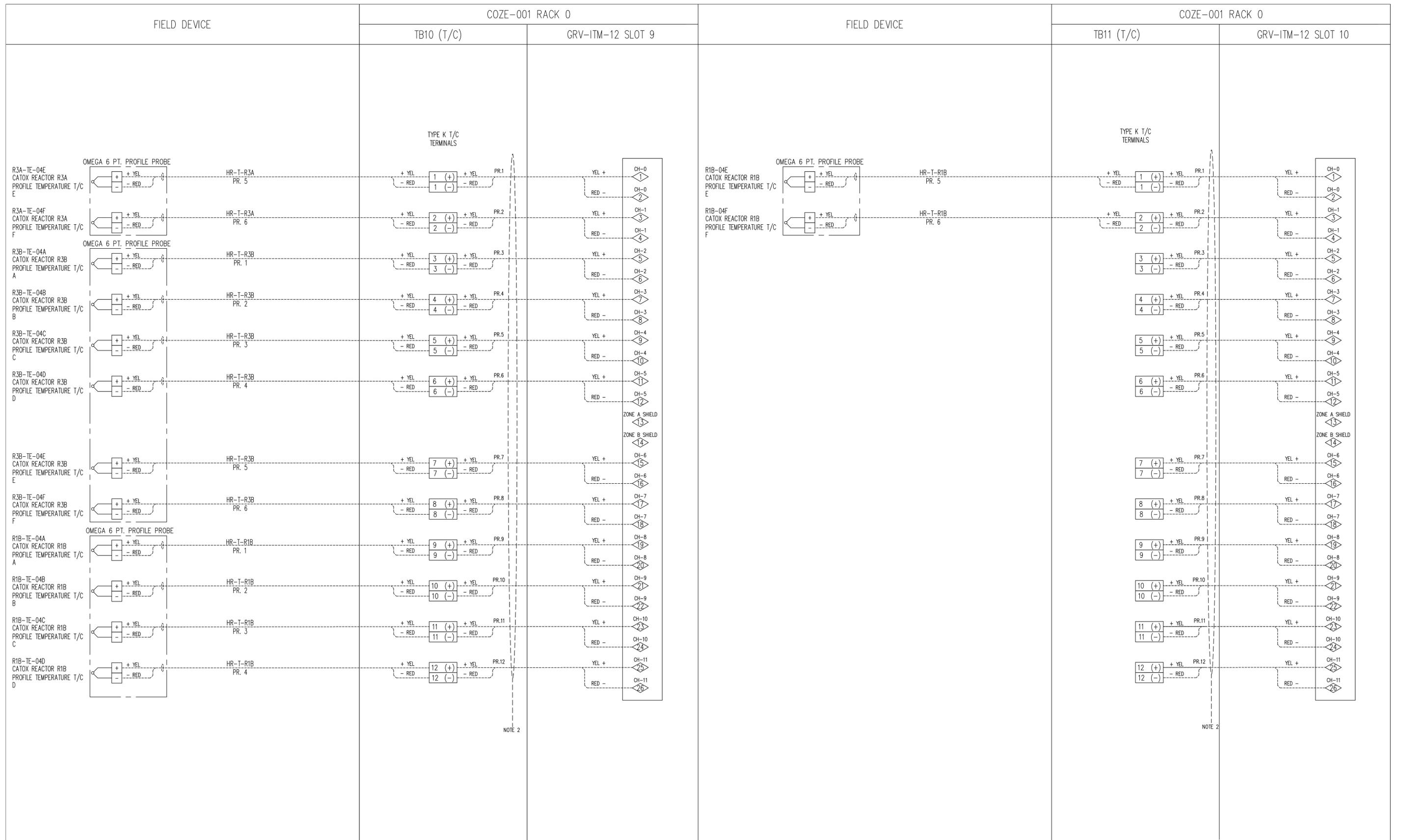

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SCALE :  
NTS

AFE NUMBER:

DRAWING NO: **XCOZE-PRO-HPF-IC-LPD-00001-07**

REV: **0**



NOTES

- HR-T-R1, HR-T-R2A, HR-T-2B, HR-T-R3A, HR-T-R3B CABLES ARE 8 PAIR TYPE K MULTIPAIR IS/OS THERMOCOUPLE EXTENSION CABLE HW112-2008K. (20 AWG)
- RUN HOUSTON WIRE AND CABLE 300V, 12PR., 20 AWG, OVERALL SHIELD, TYPE K THERMOCOUPLE EXTENSION WIRE, HOUSTON WIRE, HOUSTON WIRE AND CABLE CAT. NO. HW112 2012K. BETWEEN TYPE K T/C TERMINALS AND MODULE. ROUTE OVERALL SHIELD TO ISOLATED GROUND BAR.



REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM	

FACILITY NAME: COZE	
DISC. CODE: IC	FACILITY TYPE: PR
DWG. TYPE LPD	
DESCRIPTION COZE-001 THERMOCOUPLE IMPUT: RACK-0, SLOT 10 & 11	

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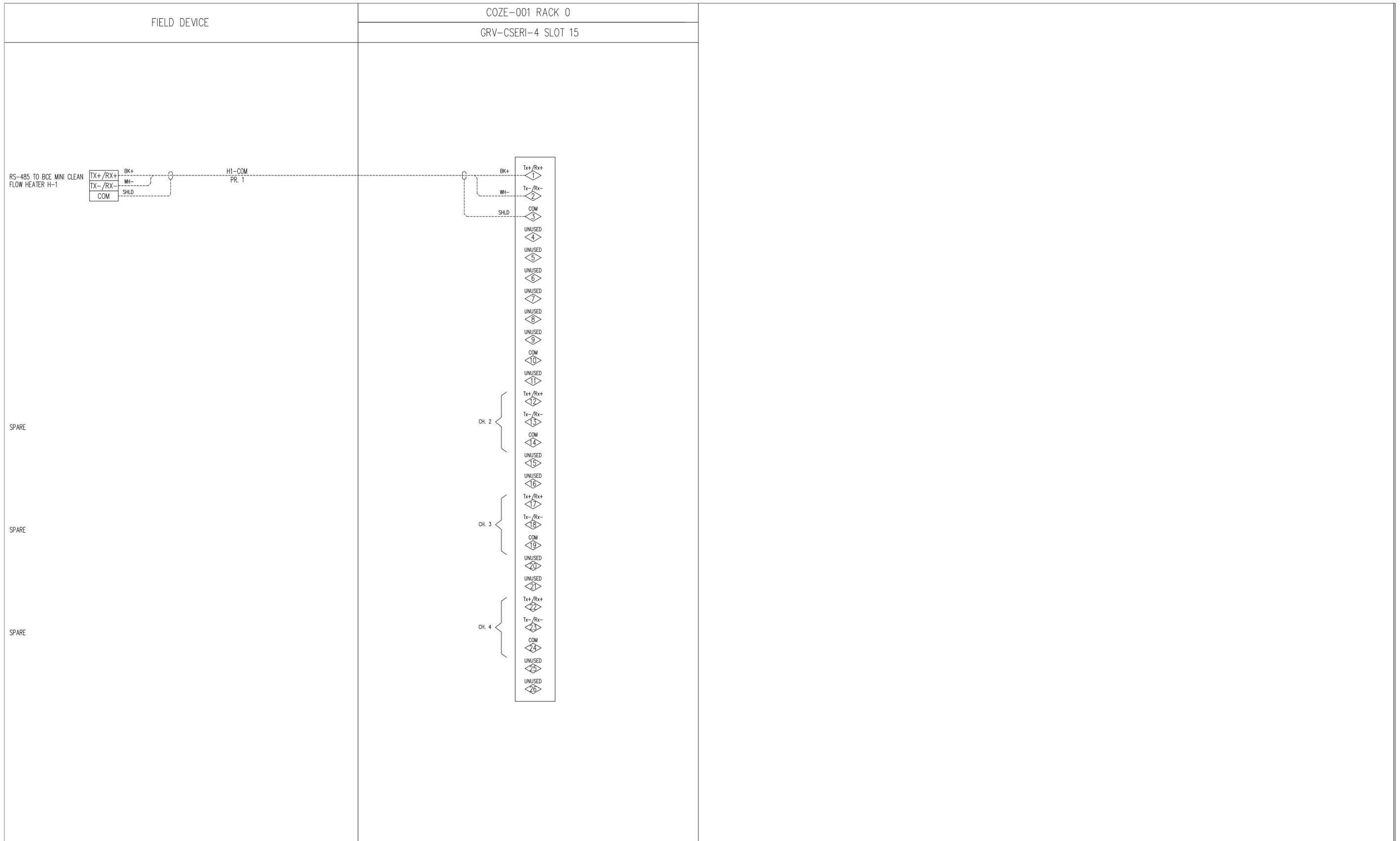
SCALE :  
NTS

AFE NUMBER:

DRAWING NO: XCOZE-PRO-HPF-IC-LPD-00001-08

REV: 0





NOTES

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REV.	DATE	REVISION - DESCRIPTION	BY	CHK'D	APP'D
0	11-12-24	ISSUED FOR CONSTRUCTION, HPF #24209	JLT	EGM	
A	10/08/24	ISSUED FOR APPROVAL, HPF #24209	SDF	EGM	

FACILITY NAME: COZE	
DISC. CODE: IC	FACILITY TYPE: PR
DWG. TYPE LPD	
DESCRIPTION COZE-001 SERIAL: RACK-0, SLOT 15	

<b>Oxy USA Inc. - Low Carbon Ventures</b> <small>A subsidiary of Occidental Petroleum Corporation</small>	
SCALE : NTS	
AFE NUMBER:	
DRAWING NO: XCOZE-PRO-HPF-IC-LPD-00001-10	REV 0