
COX

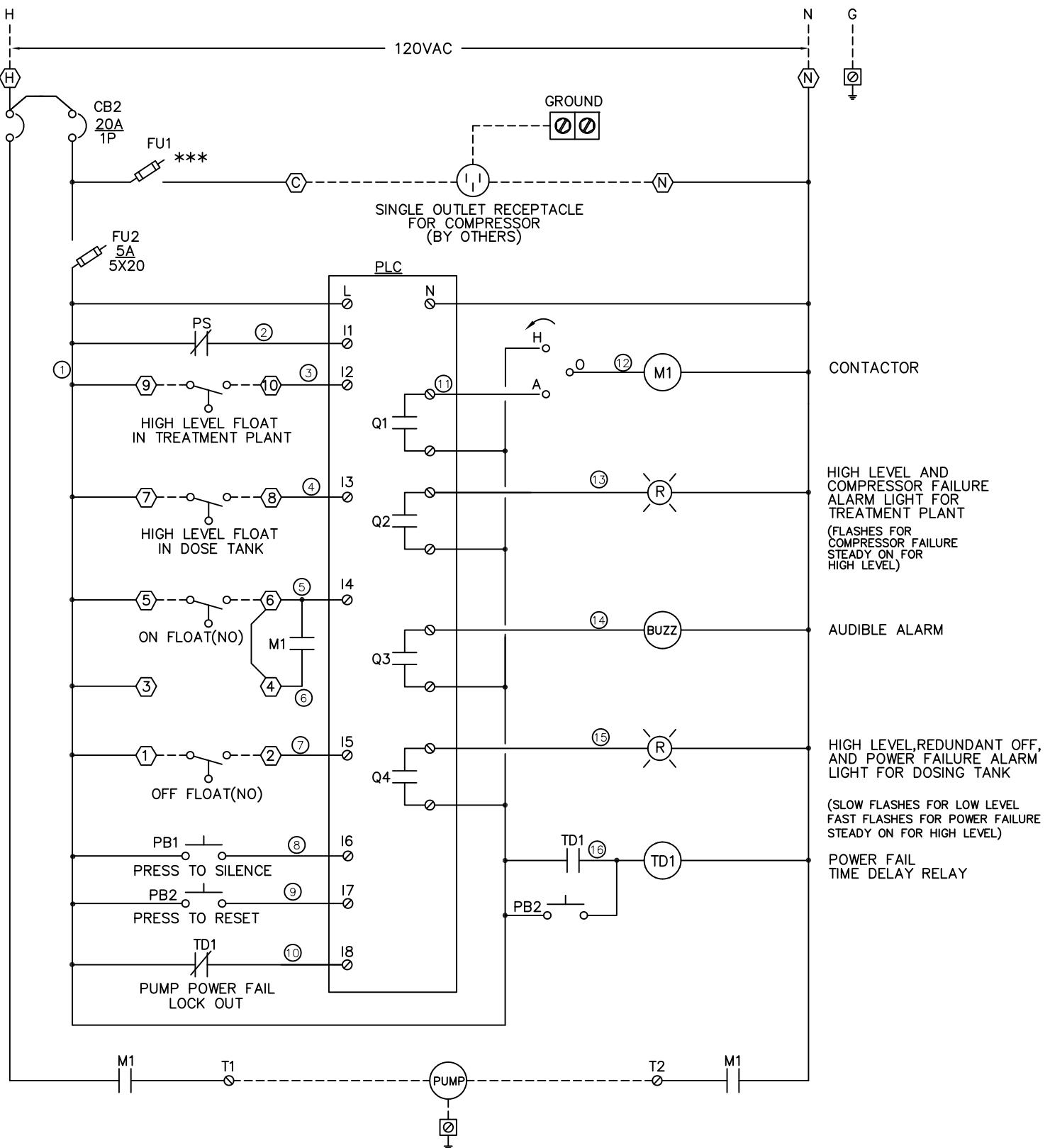
Research and Technology, Inc.

PUMP & COMPRESSOR
CONTROL PANEL

2056A
RCT MODE
2/19/16

Cox Research and Technology, Inc.
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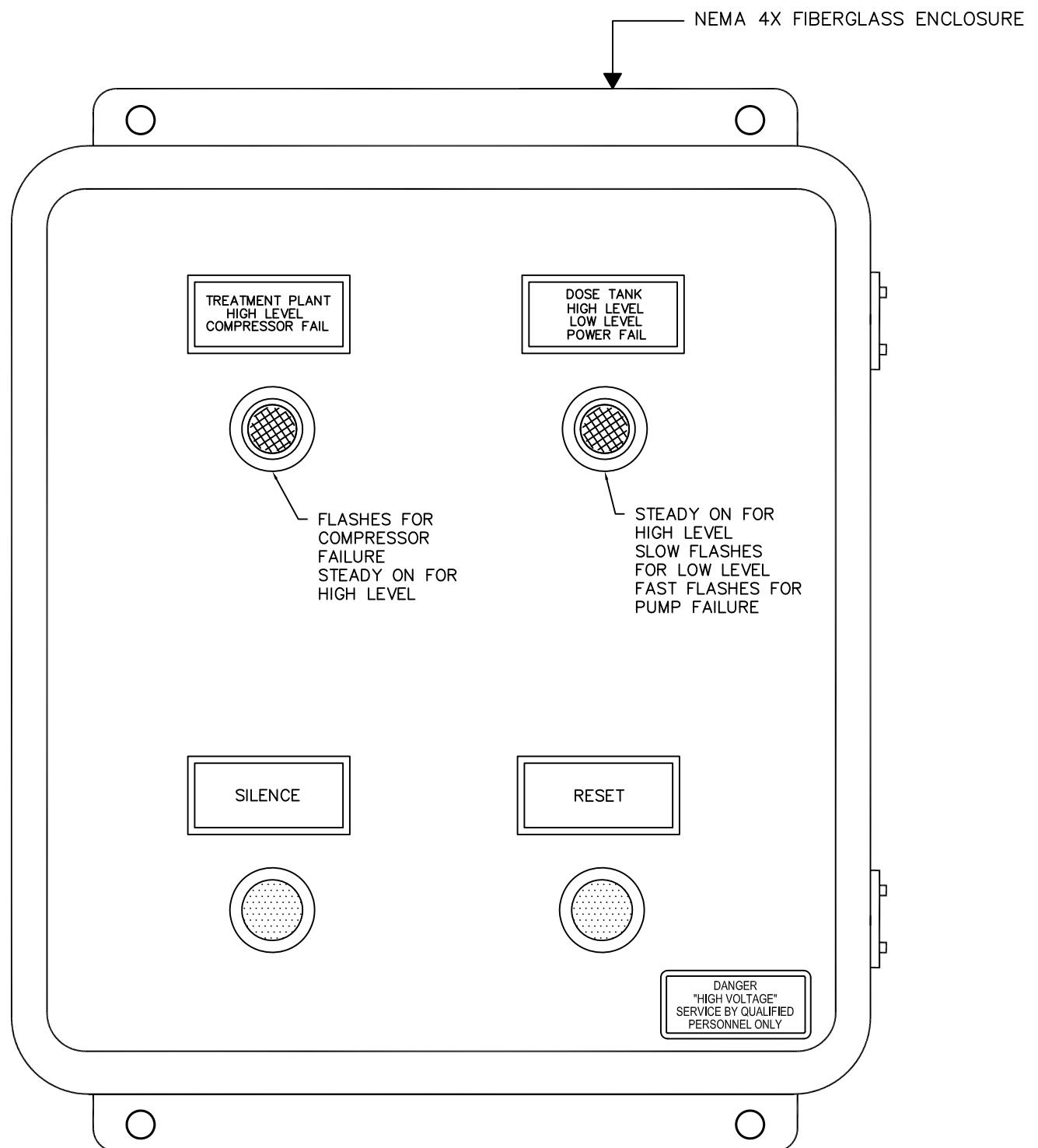
CP-2056Ar5
RA SPECIAL



***FUSE SIZE VARIES WITH COMPRESSOR SIZE PER NATIONAL ELECTRIC CODE

PROGRAM: CP2056Ar5
RA SPECIAL

	Drawing Title POWER/CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY A.F.	ECN APPROVED BY DATE
DATE 2/19/16		Application Engineer R.C.			
	Project Title PUMP & COMPRESSOR CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2056Ar5 RA SPECIAL SHEET NUMBER	
					1



VIEW OF FRONT OF ENCLOSURE

	Drawing Title					
	ENCLOSURE					
DATE 2/19/16	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN R.C. BY A.F.	ECN	DATE	BY
	Sales Engineer	Application Engineer	DRAWN BY A.F.		APPROVED BY	DATE
	Project Title		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER		
	PUMP & COMPRESSOR CONTROL PANEL	COX Research and Technology, Inc.		DRAWING NUMBER CP-2056Ar5 RA SPECIAL		
				SHEET NUMBER 2		

2056A
RA SPECIAL
SETTING THE PLC

PARAMETERS

B033 - RCT ON TIME (TH=12:00M)
RCT OFF TIME (TL=02:00H)

B034 - SHORT CYCLE RCT ON TIME (TH=12:00M)
SHORT CYCLE RCT OFF TIME (TH=01:00H)

B100 - ON = STOPS PUMP ON AIR COMPRESSOR FAILURE
*B100 - OFF = DOES NOT STOP PUMP

B101 - ON = STOPS PUMP ON HIGH LEVEL IN TREATMENT PLANT
*B101 - OFF = DOES NOT STOP PUMP

B102 - ON = STOPS PUMP ON LOSS OF POWER FOR 10 MINUTES
*B102 - OFF = DOES NOT STOP PUMP
WHEN B102 IS SET TO OFF, NO ALARM WILL OCCUR

B103 - ON = RCT MODE

* B104 - ON = AUTO RESET OF HLDT ALARM
B104 - OFF = MANUAL RESET OF HLDT ALARM

* = FACTORY SETTING

OTHER

THERE IS A 2 MINUTE DELAY ON POWER UP BEFORE PUMP WILL RUN.
LOSS OF COMPRESSOR ALARM AND SHUTDOWN FACTORY SET AT 15 SECONDS.
PUMP DELAYS 2 SECONDS WHEN CALLED TO RUN VIA FLOAT SWITCH.
PUMP STOP ON POWER FAILURE REQUIRES AUXILIARY POWER FAIL RELAY WIRED TO 18
PUMP ETM AND START COUNTS ARE "CALL FOR" SIGNALS IN AUTO MODE.
THIS SHOULD ACCOUNT FOR 99% OF ALL RUN TIME AND COUNTS.

OPERATION :

1. RCT STARTS IN ON MODE WHEN ON FLOAT IS UP. PUMP WILL STOP WHEN ON FLOAT IS DOWN AND OFF FLOAT DROPS.
2. TO OPERATE IN DEMAND MODE, SET B033 & B034 TO LONG ON TIMES.