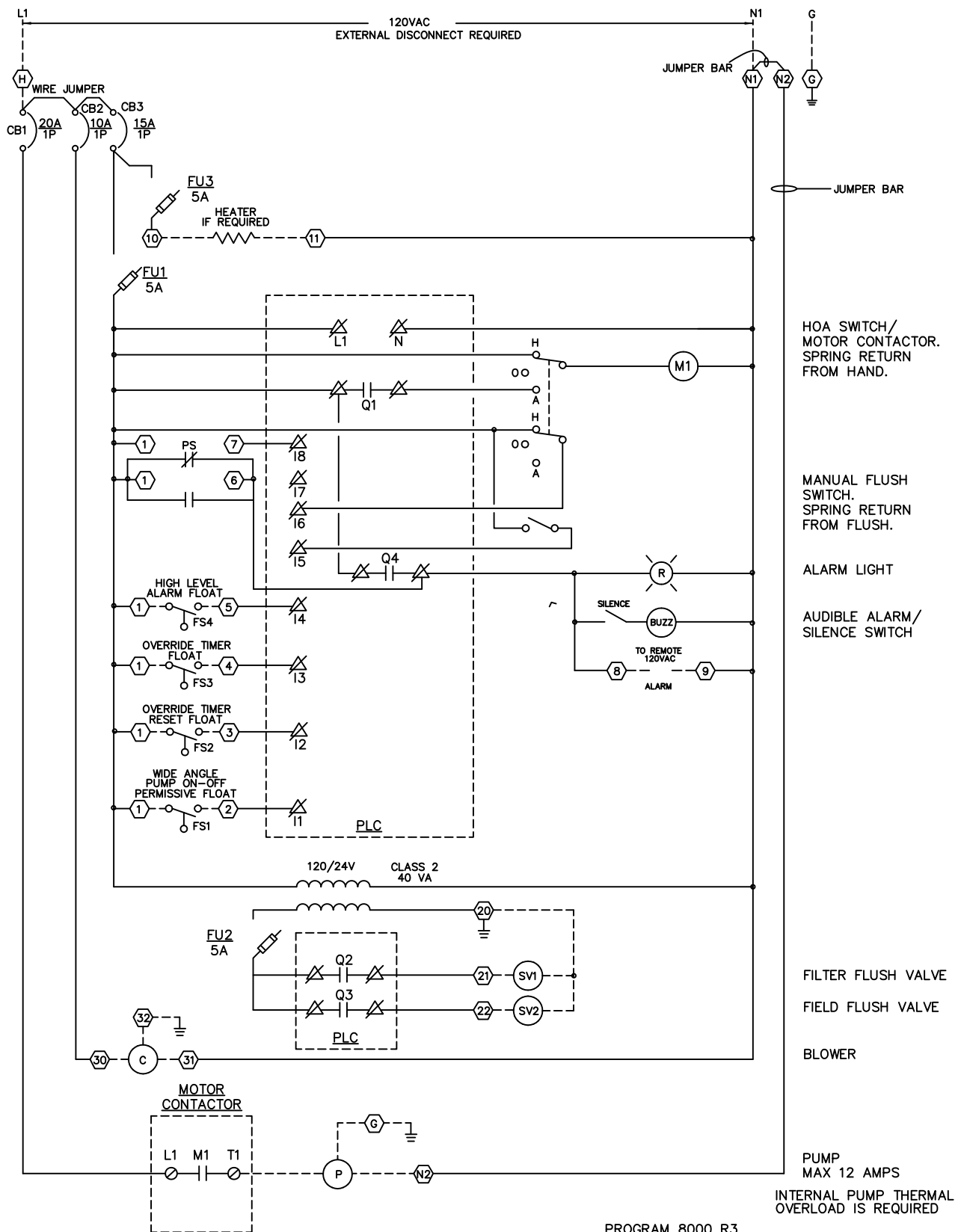



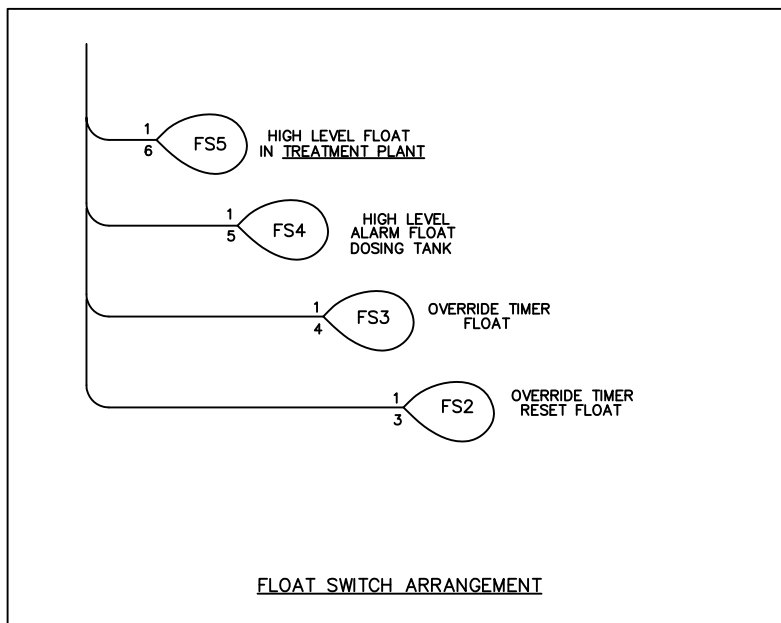
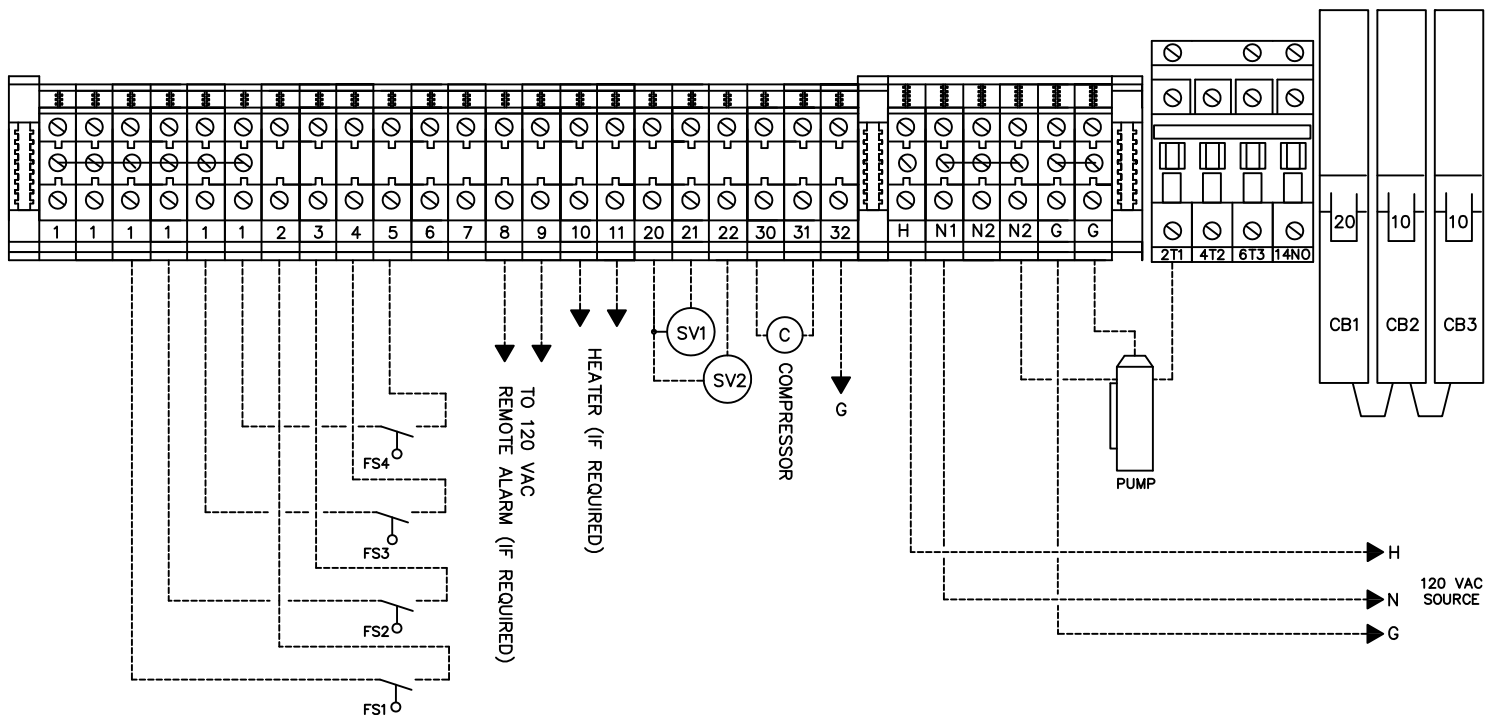



FILTER/ECOPOD  
CONTROL PANEL  
CP-1744/ECO/UL

Delta Treatment Systems  
9125 Comar Drive  
Walker, LA 70785  
(225) 665-6162 Fax (800) 219-9183

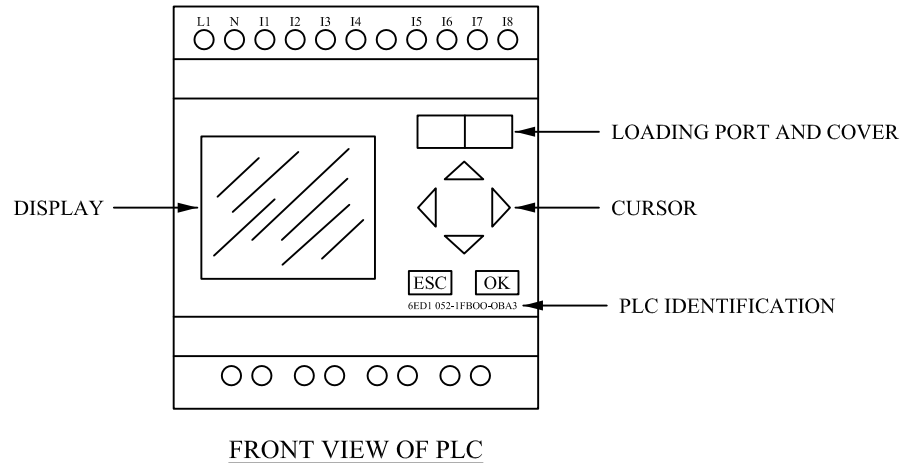


	Drawing Title					
	SCHEMATIC DIAGRAM					
DATE: 02/08/22		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION - LOCATION Application Engineer C.C.	DRAWN BY: CEC	APPROVED BY: DATE:
	Project Title				9125 Comar Drive Walker, LA 70785  Ph. (225) 665-6162 Fax (225) 219-9183	
	FILTER CONTROL PANEL					



	Drawing Title						
	EXTERNAL CONNECTIONS						
DATE: 02/08/22		REFERENCE DRAWING	NO.	REVISION - LOCATION	ECN	DATE	BY
	Project Title	S/N	Sales Engineer C.C.	Application Engineer C.C.	BY: CEC	APPROVED	
	FILTER CONTROL PANEL				9125 Comar Drive Walker, LA 70785 Ph. (225) 665-6162 Fax (225) 219-9183	PURCHASE ORDER NUMBER	
						DRAWING NUMBER CP-1744/ECO/UL	
						SHEET NUMBER	2

## SETTING THE PLC



The clock screen is considered the "main" screen and will be the starting point for all programming.

- Upon power up, the clock screen may not by displayed.
- Use and to reach the main screen (clock showing) and to scroll through data display screens.

### Setting Parameters:

1. Press until you see the main screen (clock showing) and then press **ESC**. The main menu is now displayed.
2. From the main menu, use or to highlight "Program" and press **OK**. The program menu is now displayed.
3. From the program menu, use or to highlight "Set Parameter" and press **OK**. The parameter list is now displayed.
4. Use or to scroll through the parameter list. Once the desired parameter is highlighted, press **OK**.
5. Use or to highlight desired parameter setting and press **OK**. A blinking cursor will appear.
6. Use or to move the cursor and the or to change values.
7. Press **OK** after changing parameter setting and the cursor will disappear.
8. Once parameter setting(s) are changed, press **ESC** to return to parameter list.
9. Repeat Step 4-9 until all parameters are set to the correct values.
10. Press **ESC** one time to return to program menu; two times to return to main menu; three times to return to main screen clock showing).

### Notes:

- To view inputs, at the main screen (clock showing) press .
  - To return to main screen (clock showing) press .
- To view outputs, at the main screen (clock showing) press twice.
  - To return to main screen (clock showing) press twice.

	Drawing Title						
	PLC INSTRUCTIONS						
DATE: 02/08/22		REFERENCE DRAWING	NO.	REVISION - LOCATION	ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	
			C.C.	C.C.	BY: CEC	BY:	DATE:
	Project Title				9125 Comar Drive Walker, LA 70785	PURCHASE ORDER NUMBER	
	FILTER CONTROL PANEL					DRAWING NUMBER CP-1744/ECO/UL	
					Ph. (225) 665-6162 Fax (225) 219-9183	SHEET NUMBER	
							3

## PLC PARAMETERS


<u>BLOCK</u>	<u>DESCRIPTION</u>	<u>FACTORY SETTING</u>	<u>PLC NOMENCLATURE</u>
B01	TH = Run time TL = Off time	12 Minutes 2 Hours	12:00m 02:00h
B02	Off time during override period	1 Hour	01:00h
B03	Filter flush time after pump turns on	1 Minute	01:00m
B04	Filter drain time after pump turns off	2 Minutes	02:00m
B05	Field flush time normal operation	2 Minutes	02:00m
B06	Field drain time after pump turns off	2 Minutes	02:00m
B07	Number of fields	4	4
B08	Number of cycles until 1st field flush	84	84
B09	Field flush time when field flush switch is pressed	1 Minute	01:00m

Note: Minute settings are in minutes and seconds. For example  
02:00m is 2 minutes, 02:10m is 2 minutes and 10 seconds.  
Hour settings are in hours and minutes. For example 02:00h is  
2 hours and no minutes, 02:10h is 2 hours and 10 minutes, and  
00:12h is 12 minutes.

In addition to the settings above, various other parameters can be  
viewed as follows:

- Pump run time hours
- Pump start counts
- Level override counts
- High level counts
- Switch to hand counts

02/08/22  
8000 R3

	Drawing Title							
	PLC PARAMETERS							
		-	-	-	-	-	-	
DATE: 02/08/22		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION - LOCATION Application Engineer C.C.	DRAWN BY: CEC	ECN	DATE	BY
				9125 Comar Drive Walker, LA 70785  Ph. (225) 665-6162 Fax (225) 219-9183		PURCHASE ORDER NUMBER		
	DRAWING NUMBER CP-1744/ECO/UL							
	SHEET NUMBER 4							

## FLOAT SELECTION CHART

<u>NUMBER OF FLOATS</u>	<u>FLOAT</u>				
	FS1	FS2	FS3	FS4	FS5
4 FLOAT SYSTEM	WA	S	S	S	—
3 FLOAT SYSTEM	WA	—	WA	S	—
2 FLOAT SYSTEM	WA	—	—	WA	—

WA = NORMALLY OPEN WIDE ANGLE  
HIGH OR LOW CURRENT RATING

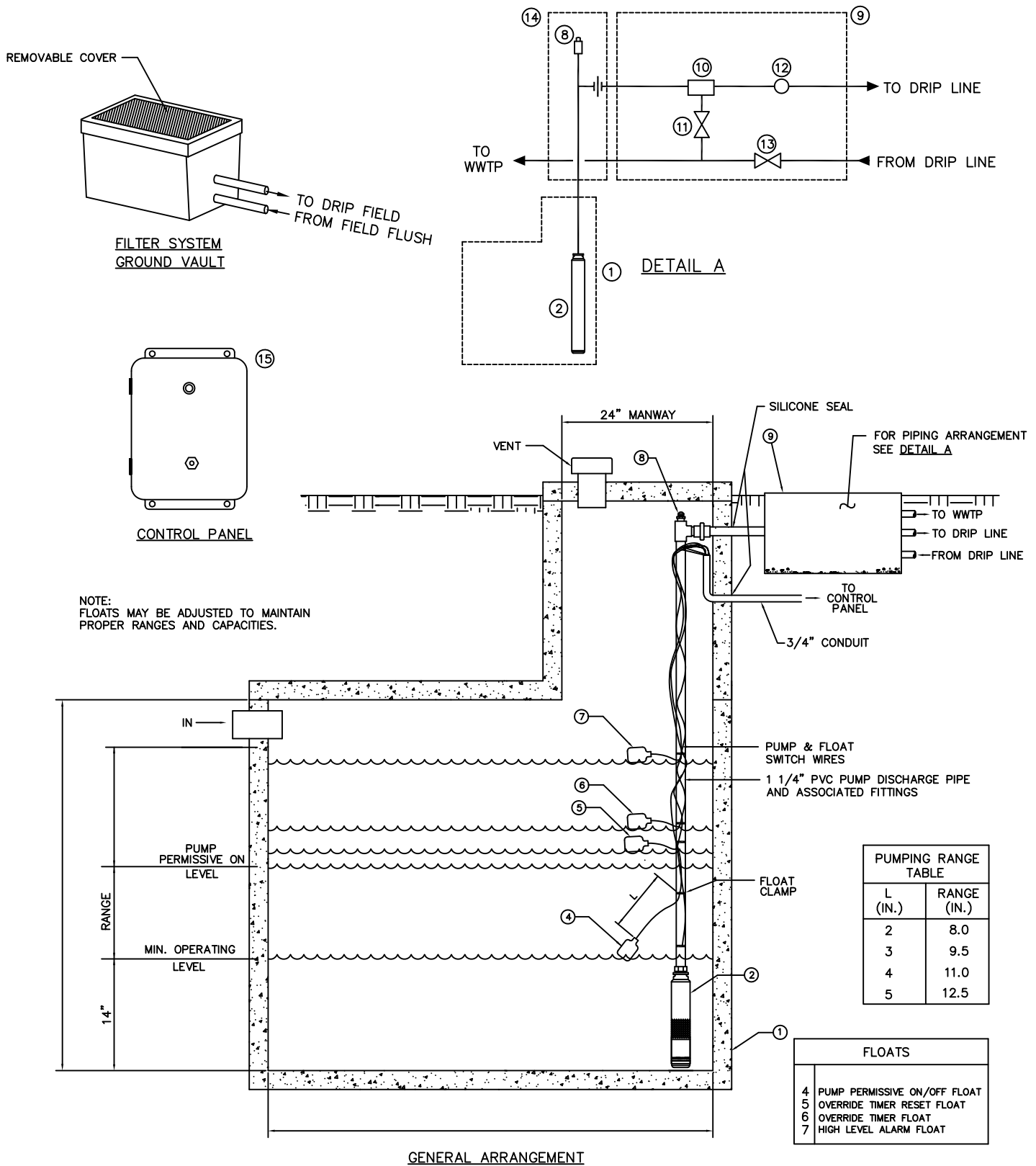
S = NORMALLY OPEN STANDARD NON—WIDE ANGLE  
HIGH OR LOW CURRENT RATING

FS1 — WIDE ANGLE FLOAT THAT, WHEN UP, WILL ALLOW THE PUMP TO START AND WHEN DOWN, WILL STOP THE PUMP. IT KEEPS THE PUMP FROM RUNNING DRY.

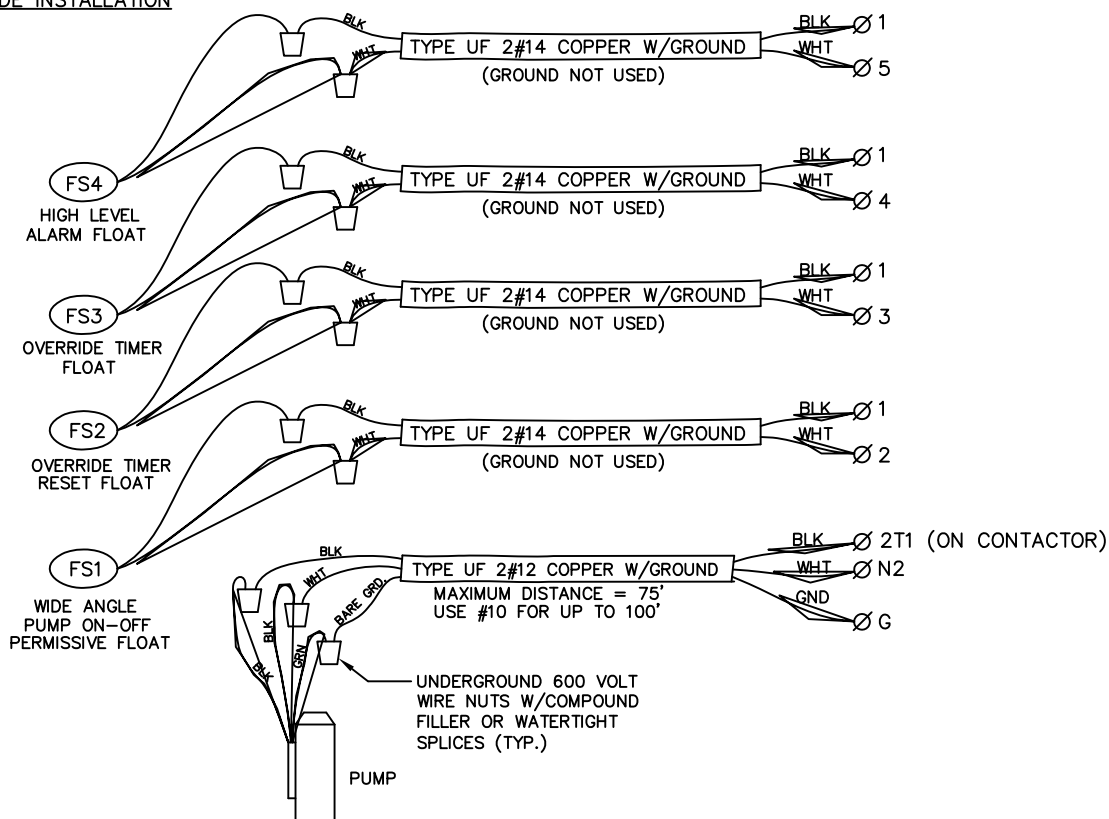
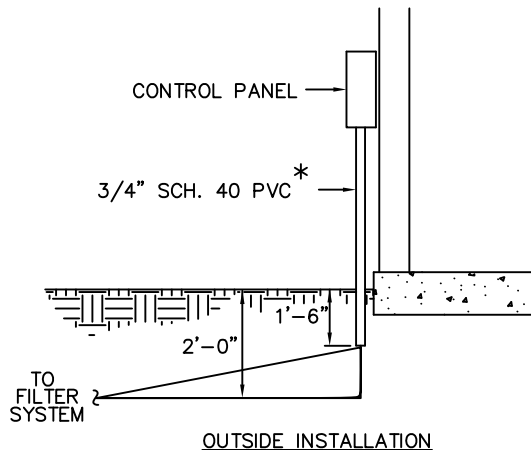
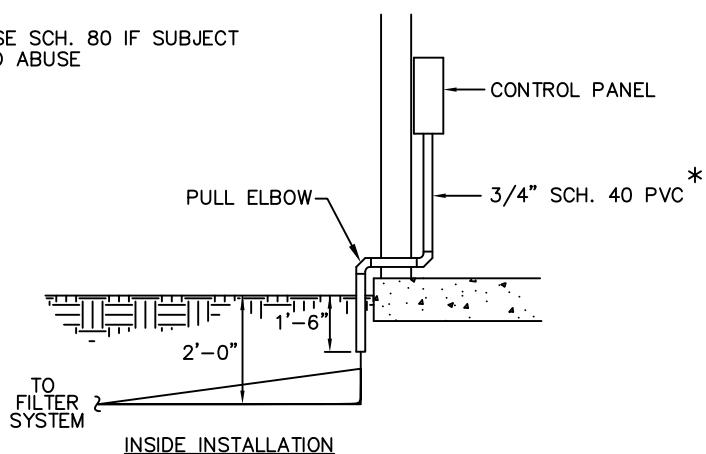
FS2 — WHEN DOWN, RESETS THE OVERRIDE FUNCTION.

FS3 — WHEN UP, STARTS A PUMP CYCLE AND OPERATES ON A SHORT PUMP CYCLE UNTIL FS2 DROPS.

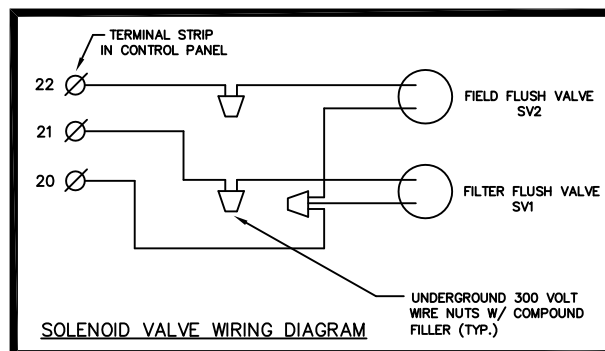
FS4 — WHEN UP, ALARMS HIGH LEVEL. DOES NOT START PUMP.



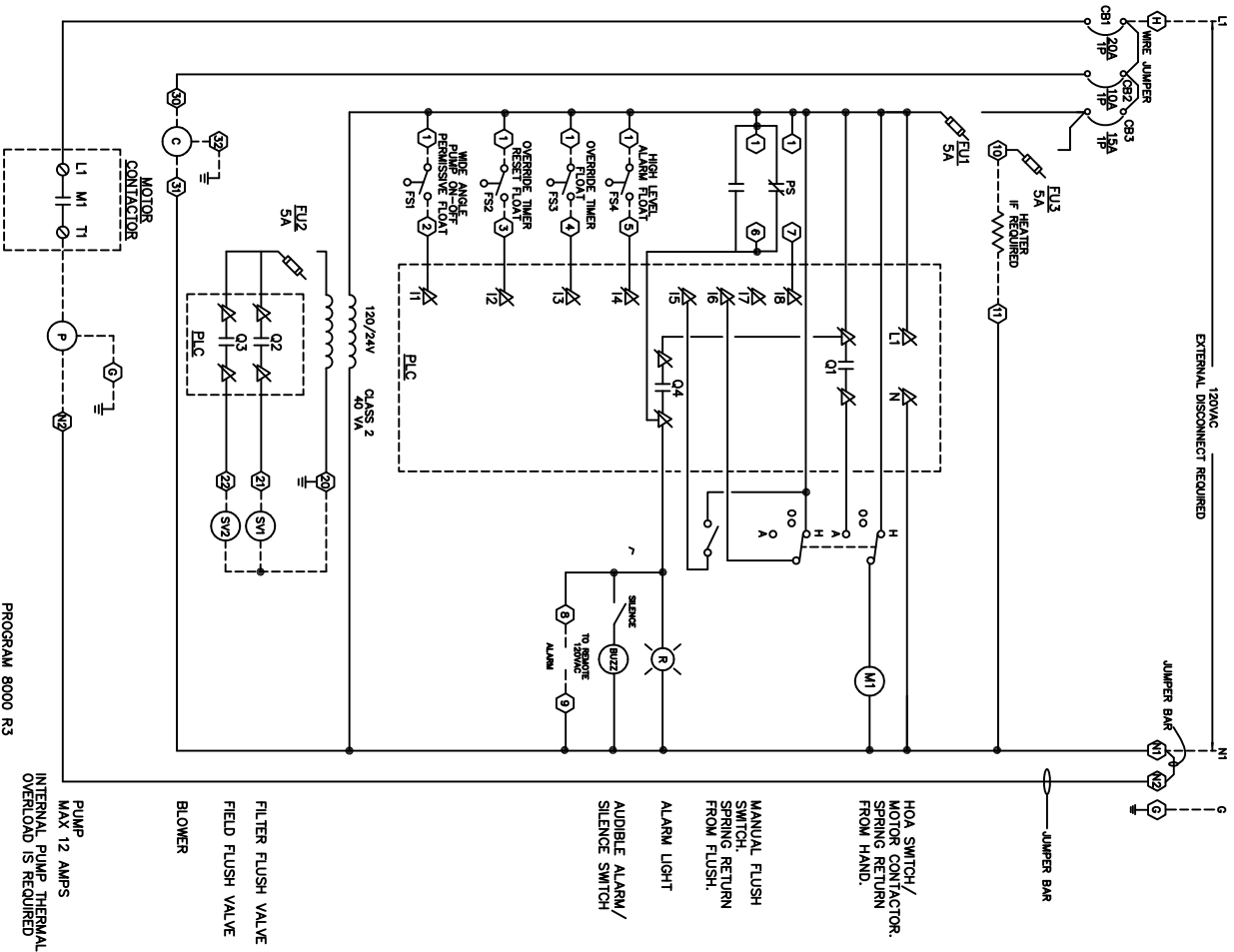
\* USE SCH. 80 IF SUBJECT  
TO ABUSE



CONNECTIONS OF UNDERGROUND  
WIRE TO MOTOR AND FLOAT SWITCHES







Cox Research and Technology, Inc.  
14697 S. Harrells Ferry Road  
Baton Rouge, LA, 70816  
(225) 756-3271 Fax (225) 755-1030  
CP-1744R1

## PLC PARAMETERS

BLOCK	DESCRIPTION	FACTORY SETTING	PLC NOMENCLATURE
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B07	Number of fields	4	4
B08	Number of cycles until 1st field flush	84	84
B09	Field flush time when field flush switch is pressed	1 Minute	01:00m

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- Level override counts
- High level counts
- Switch to hand counts

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CP-1744R1