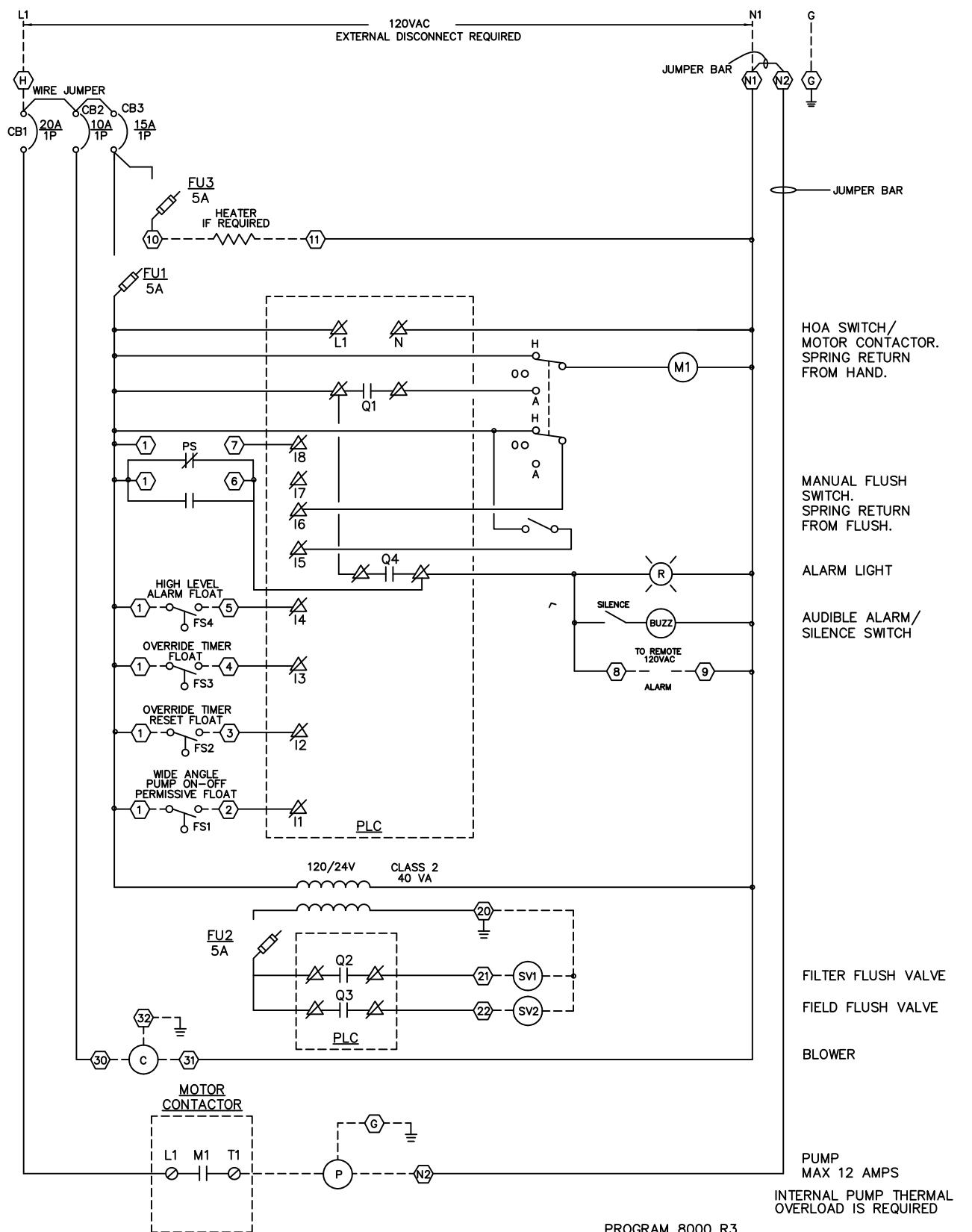


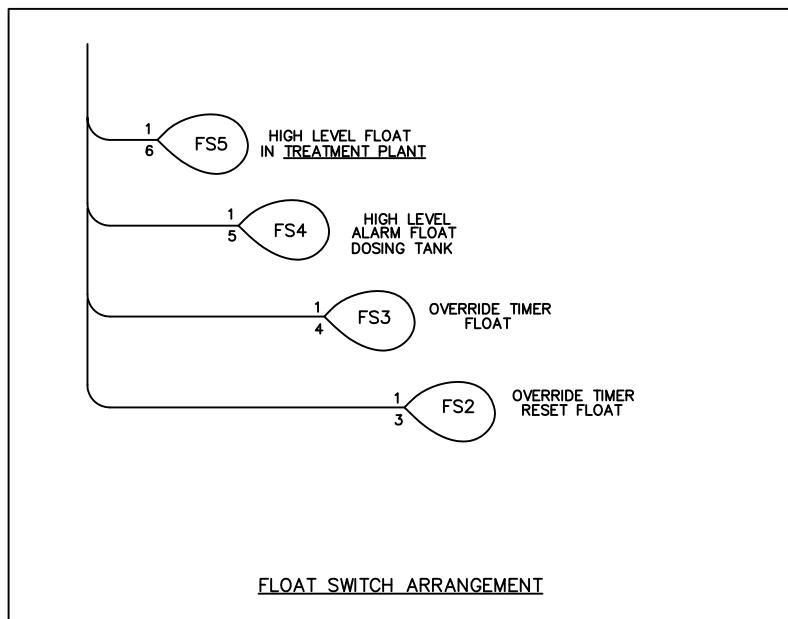
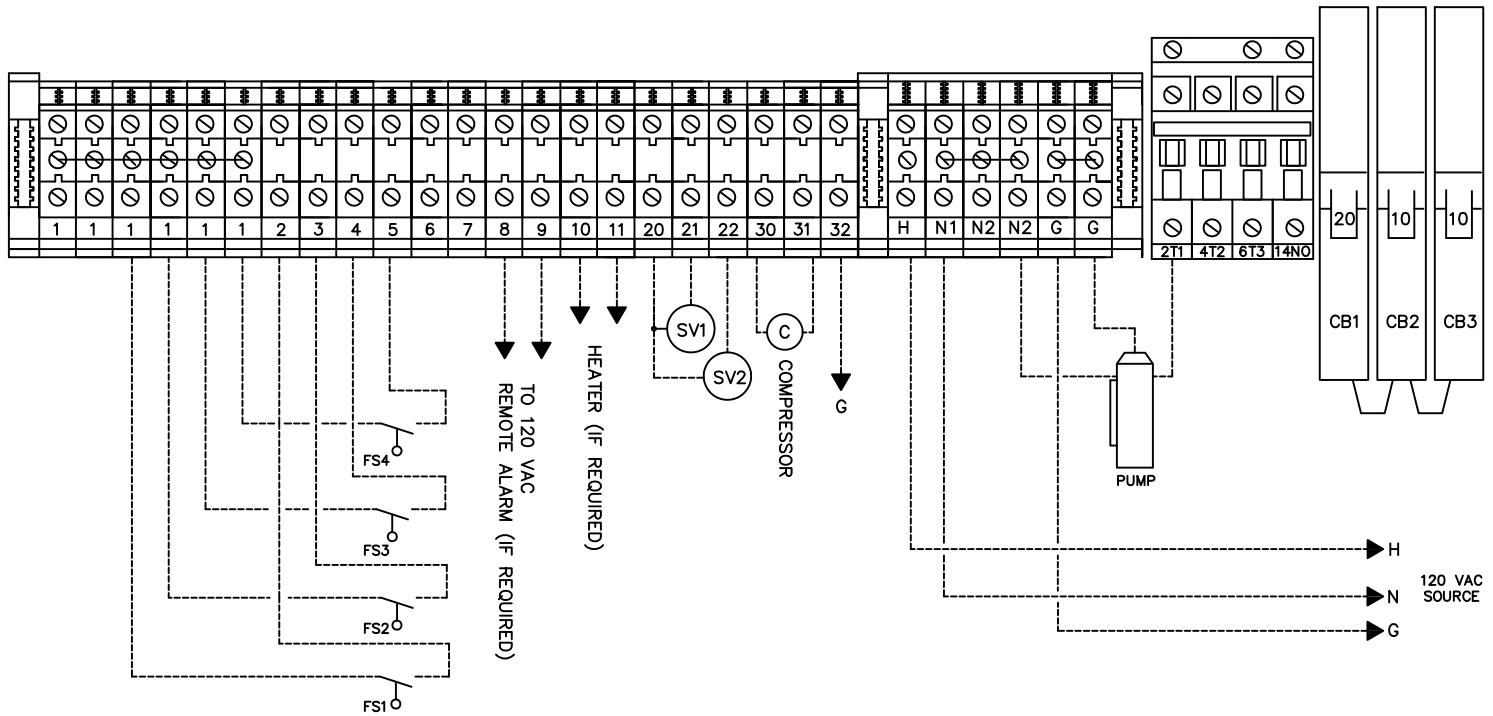


FILTER/ECOPOD
CONTROL PANEL
CP-1744/ECO/UL

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



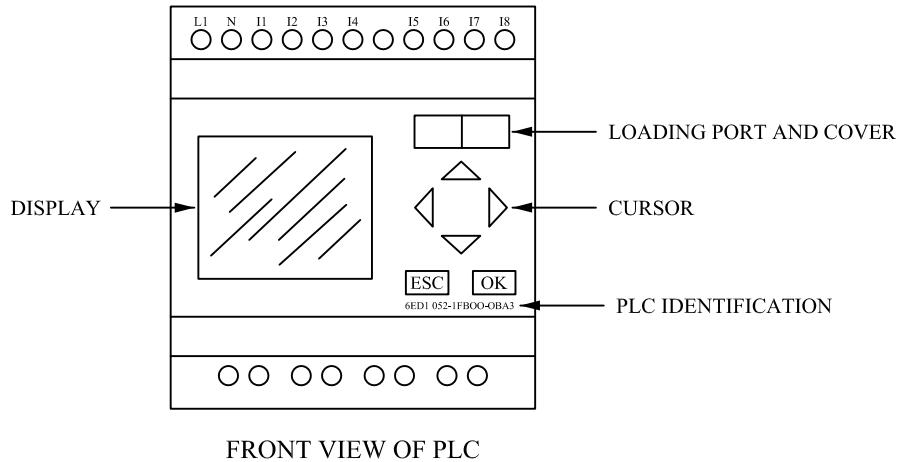
	Drawing Title						
	SCHEMATIC DIAGRAM						
			REFERENCE DRAWING	NO.	REVISION - LOCATION	ECN	DATE
	S/N	Sales Engineer C.C.	Application Engineer C.C.		DRAWN	APPROVED	
				BY: CEC		BY:	DATE:
DATE: 02/08/22	Project Title	FILTER CONTROL PANEL		9125 Comar Drive Walker, LA 70785		PURCHASE ORDER NUMBER	
				Ph. (225) 665-6162 Fax (225) 219-9183		DRAWING NUMBER	CP-1744/ECO/UL
						SHEET NUMBER	1



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



SETTING THE PLC



FRONT VIEW OF 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 be 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 **▶**.
 - o To return to main screen (clock showing) press **◀**.
- To view outputs, at the main screen (clock showing) press **▶** twice.
 - o To return to main screen (clock showing) press **◀** twice.

	Drawing Title PLC INSTRUCTIONS						
		-	-	-	-	-	-
	REFERENCE DRAWING	NO.	REVISION - LOCATION		ECN	DATE	BY
DATE: 02/08/22	S/N	Sales Engineer C.C.	Application Engineer C.C.	DRAWN BY: CEC	APPROVED BY: DATE:		
	Project Title 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 3		

PLC PARAMETERS

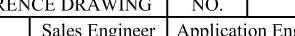
<u>BLOCK</u>	<u>DESCRIPTION</u>	<u>FACTORY SETTING</u>	<u>PLC NOMENCLATURE</u>
B01	TH = Run time TL = Off time	12 Minutes 2 Hours	12:00m 02:00h
B02	Off time during override period	1 Hour	01:00h
B03	Filter flush time after pump turns on	1 Minute	01:00m
B04	Filter drain time after pump turns off	2 Minutes	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 B3

	Drawing Title PLC PARAMETERS					
		-	-	-	-	-
		REFERENCE DRAWING	NO.	REVISION - LOCATION	ECN	DATE BY
DATE: 02/08/22		S/N	Sales Engineer C.C.	Application Engineer C.C.	DRAWN BY: CEC	APPROVED BY: DATE:
	Project Title 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 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

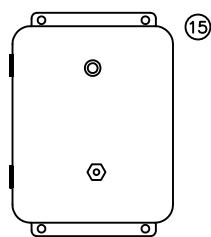
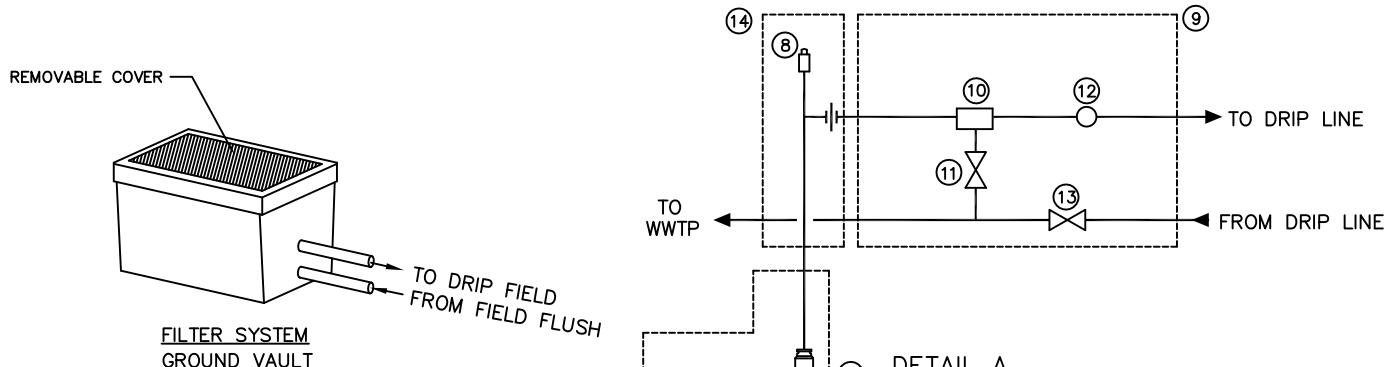
S = NORMALLY OPEN STANDARD NON-WIDE ANGLE
HIGH OR LOW CURRENT RATING

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.

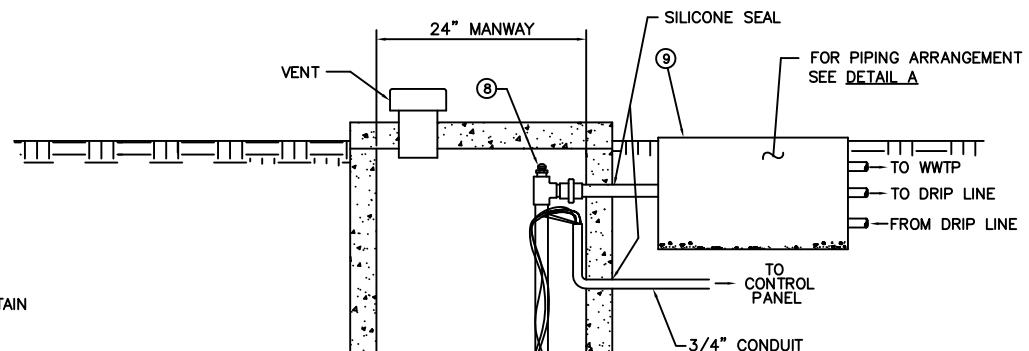
FS2 – WHEN DOWN, RESETS THE OVERRIDE FUNCTION.

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

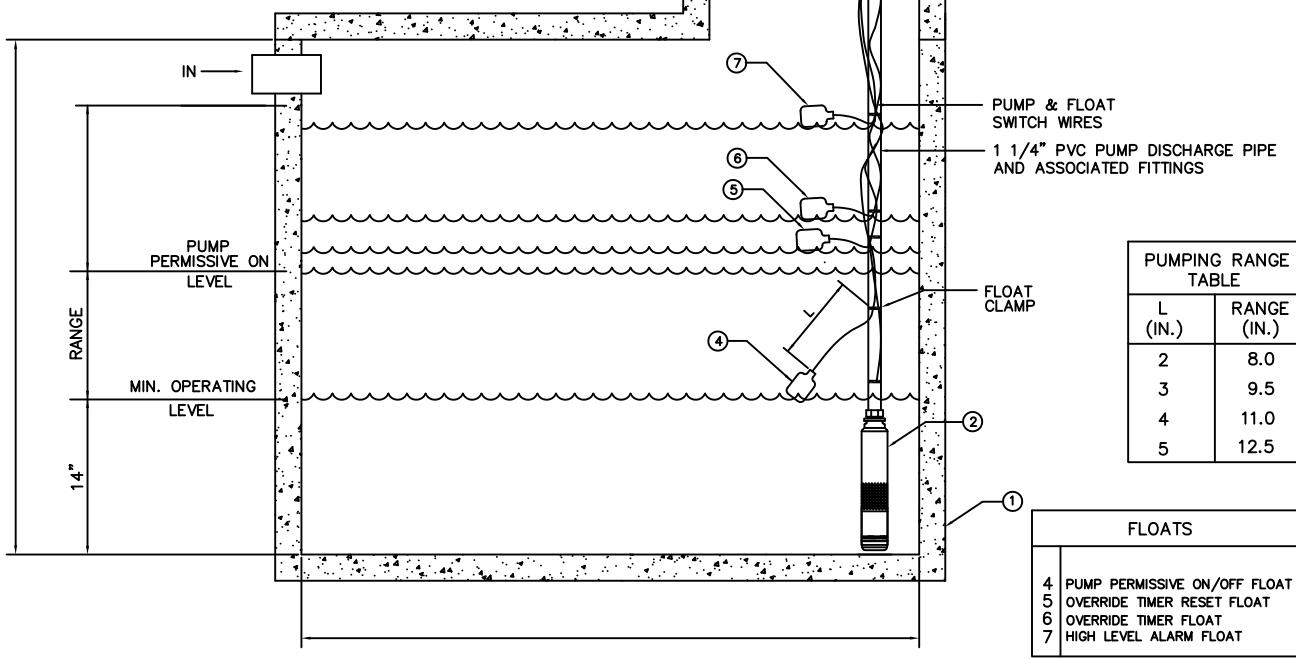
FS4 – WHEN UP, ALARMS HIGH LEVEL. DOES NOT START PUMP.



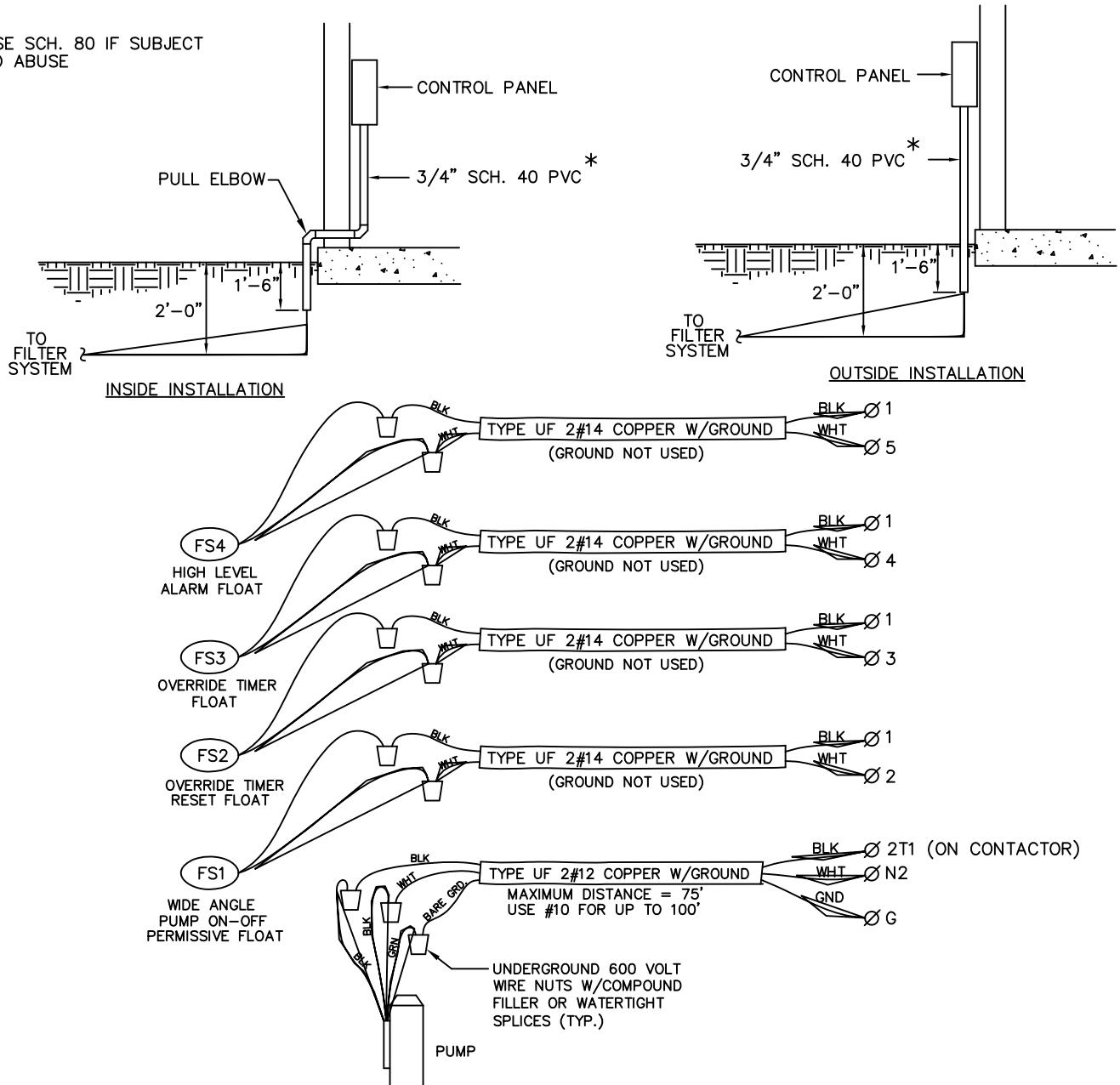
CONTROL PANEL



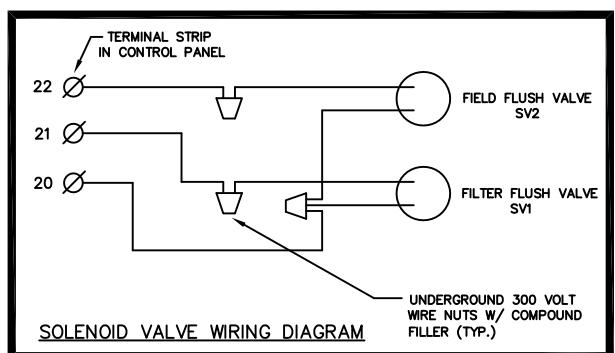
NOTE:
FLOATS MAY BE ADJUSTED TO MAINTAIN
PROPER RANGES AND CAPACITIES.



* USE SCH. 80 IF SUBJECT TO ABUSE



CONNECTIONS OF UNDERGROUND WIRE TO MOTOR AND FLOAT SWITCHES



PLC PARAMETERS

BLOCK	DESCRIPTION	FACTORY SETTING	PLC NOMENCLATURE
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B08	Number of cycles until 1st field flush	84	84
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- Pump run time hours
- Pump start counts
- Level override counts
- High level counts
- Switch to hand counts

PROGRAM 8000 R3

02/08/22
8000 R3

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CP-1744R1

