

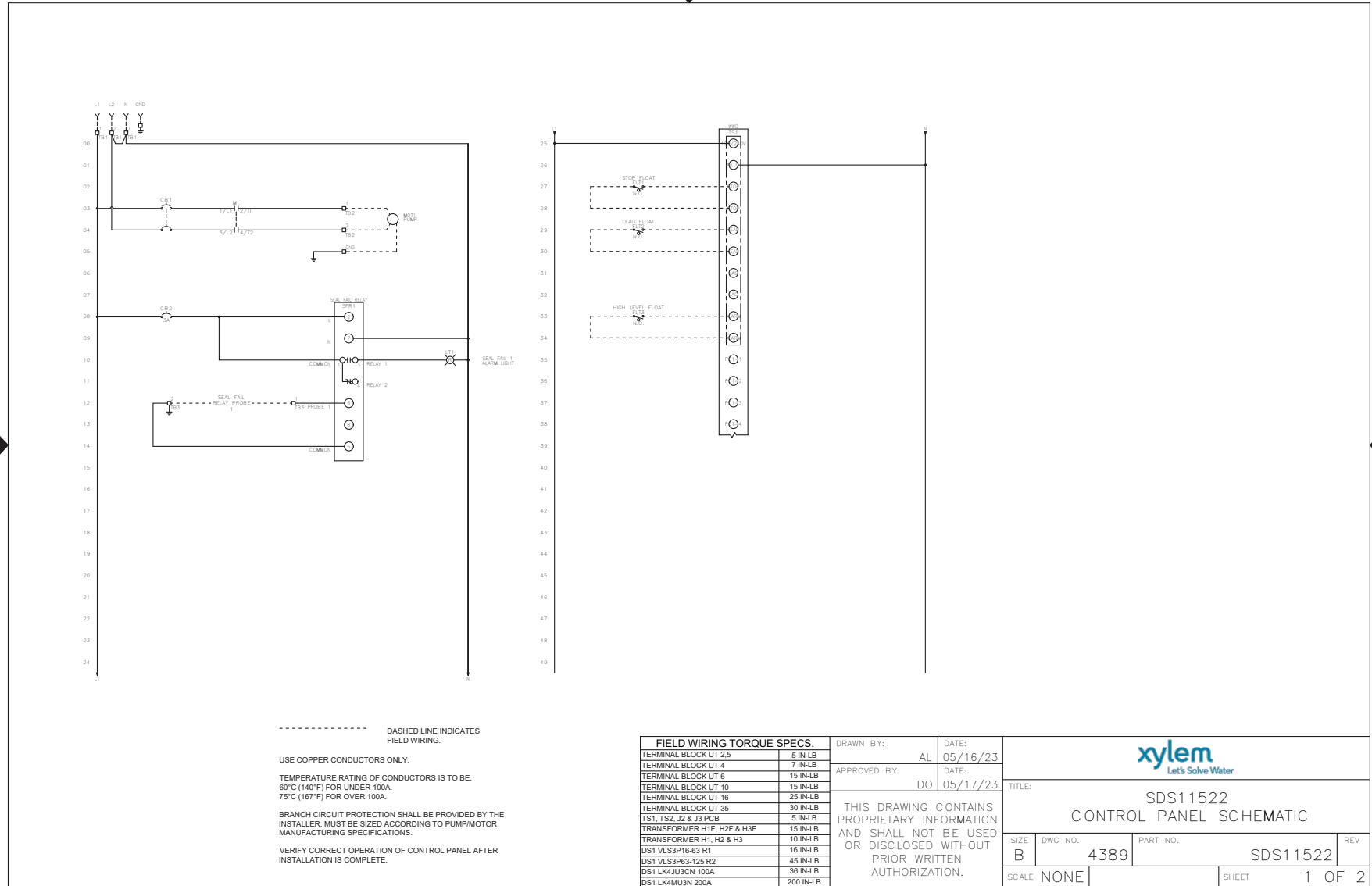
SD Simplex SDS11522

Control Panel Schematic and Layout

CONTROL PANEL SCHEMATIC

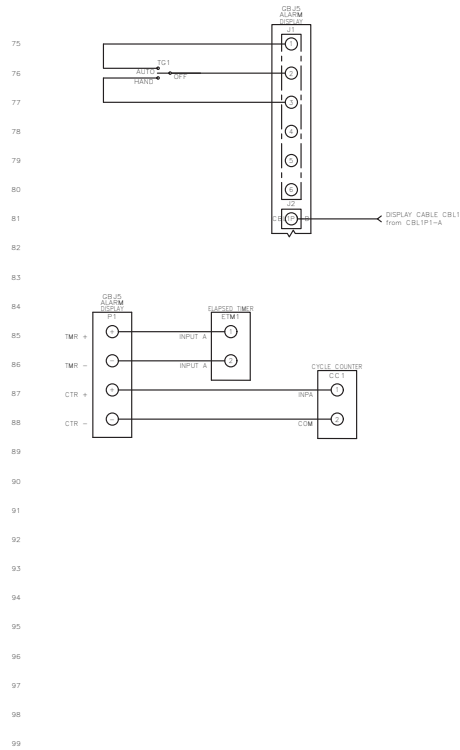
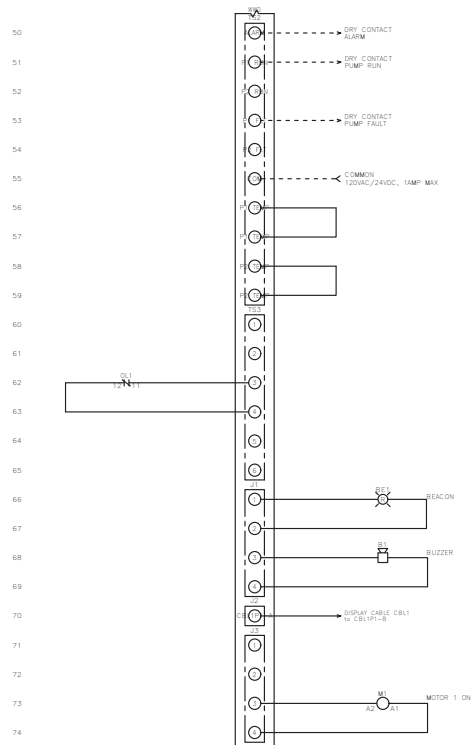
FILENAME: SDS11522

REVDATE: 0523

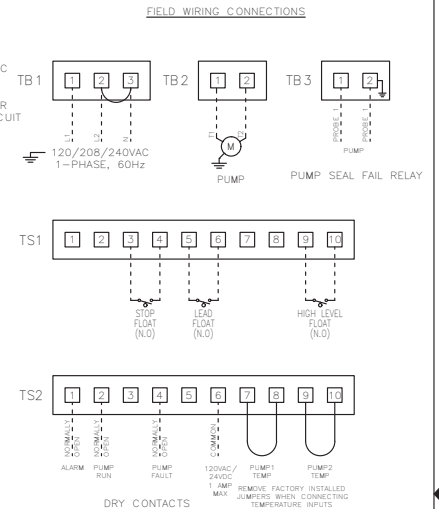


FNAME: SDS11522

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NOTE: FOR 208/240VAC OPERATION REMOVE WHITE JUMPER NEUTRAL REQUIRED FOR 120VAC CONTROL CIRCUIT



----- DASHED LINE INDICATES FIELD WIRING.

USE COPPER CONDUCTORS ONLY.

TEMPERATURE RATING OF CONDUCTORS IS TO BE:
60°C (140°F) FOR UNDER 100A.
75°C (167°F) FOR OVER 100A.

BRANCH CIRCUIT PROTECTION SHALL BE PROVIDED BY THE INSTALLER; MUST BE SIZED ACCORDING TO PUMP/MOTOR MANUFACTURING SPECIFICATIONS.

VERIFY CORRECT OPERATION OF CONTROL PANEL AFTER INSTALLATION IS COMPLETE.

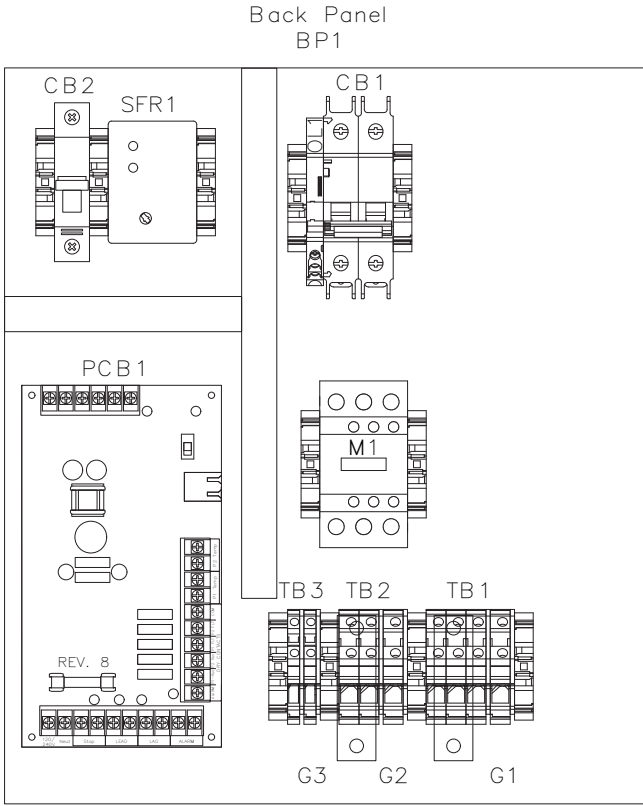
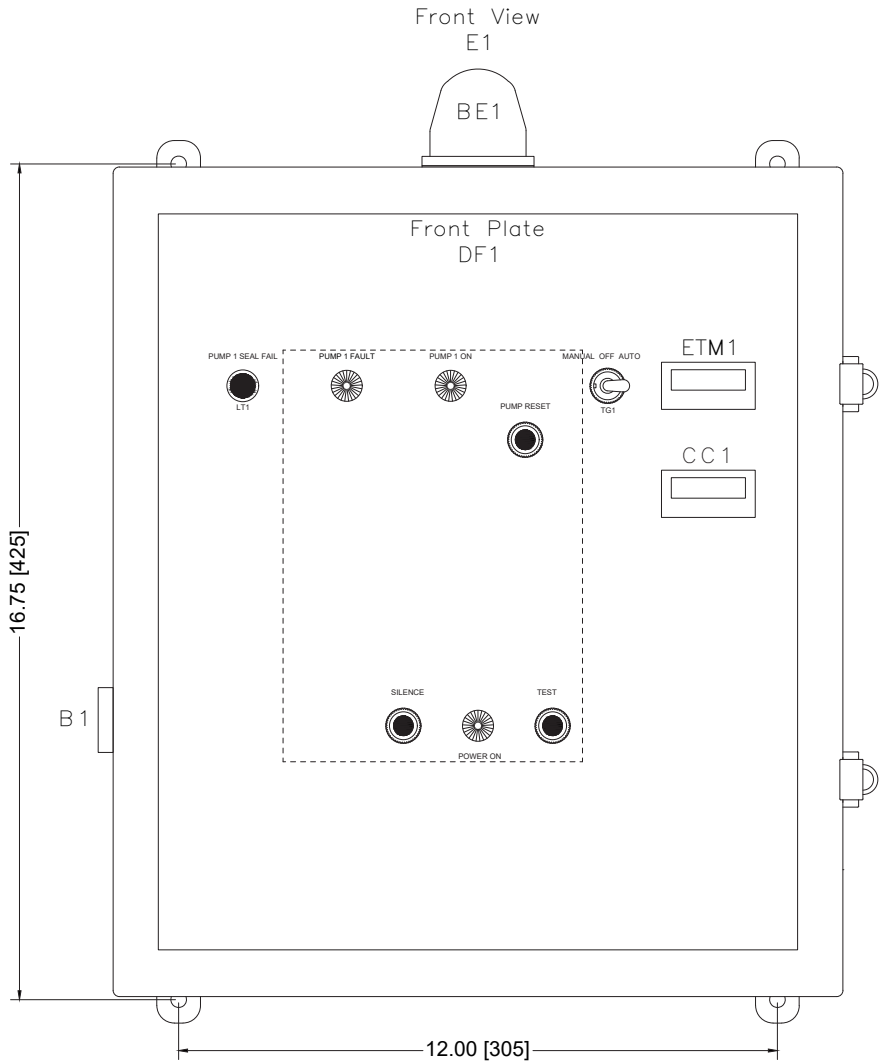
FIELD WIRING TORQUE SPECS.	
TERMINAL BLOCK UT 2,5	5 IN-LB
TERMINAL BLOCK UT 4	7 IN-LB
TERMINAL BLOCK UT 6	15 IN-LB
TERMINAL BLOCK UT 10	15 IN-LB
TERMINAL BLOCK UT 16	25 IN-LB
TERMINAL BLOCK UT 35	30 IN-LB
TS1, TS2, J2 & J3 PCB	5 IN-LB
TRANSFORMER H1F, H2F & H3F	15 IN-LB
TRANSFORMER H1, H2 & H3	10 IN-LB
DS1 VLS3P16-63 R1	16 IN-LB
DS1 VLS3P63-125 R2	45 IN-LB
DS1 LK4JU3CN 100A	36 IN-LB
DS1 LK4MU3N 200A	200 IN-LB

DRAWN BY: AL
APPROVED BY: DO
DATE: 05/16/23
DATE: 05/17/23
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xylem Let's Solve Water	
TITLE: SDS11522 CONTROL PANEL SCHEMATIC	
SIZE B	DWG NO. 4389
SCALE NONE	SHEET 2 OF 2

FNAME: SDS11522

REVDATE: 0523



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APPROVED BY:	DO	DATE:	05/17/23			
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.				TITLE: SDS11522 CONTROL PANEL LAYOUT		
				SIZE B	DWG NO. 4390	PART NO. SDS11522
				SCALE NONE	SHEET 1 OF 2	

CONTROL PANEL LAYOUT

FNAME: SDS11522

REVDATE: 0523

QTY	MANUFACTURER	DESCRIPTION	PART NUMBER	REF.
1	Integra	P.C. Nema 4X Enclosure	H161407HCLL	E1
1	All-Spec	Dead Front	519P	DF1
1	All-Spec	Back Panel	525	BP1
1	Integra	Hinge Kit	USOPK-909	N/A
1	Ingram	Beacon	R10-SM	BE1
1	Ingram	Buzzer	PB-024-AD	B1
1	VCC	Red Light 125V	1050QC1	LT1
1	See Water	Display Board	GBJ5	N/A
3	LEDTRONICS	White Lense	LENS-LCD780-CW F	N/A
2	See Water	Flat Cable Assembly	IDC-25MB	N/A
2	Molex	4 Pin Connector	09-50-3041	N/A
1	Molex	6 Pin Connector	09-50-3061	N/A
1	See Water	Power Circuit Board	WWD	PCB1
1	Carling	HOA Toggle Switch	6FC57-73	N/A
1	Schneider	M9 Circuit Breaker	M9F42230	CB1
1	Schneider	Side Mount Auxiliary	M9A26924	OL1

QTY	MANUFACTURER	DESCRIPTION	PART NUMBER	REF.
1	Schneider	Contactor	LC1D25JL	M1
1	Schneider	Circuit Breaker 3A 1 Pole	B1E1C6	CB2
1	Macromatics	Seal Fail Single Channel Relay	SFP120A100	SFR1
1	Macromatics	8 Pin Socket	70169-D	SFR1
1	Trumeter	Elapsed Time Meter	6320-2500-0000	ETM1
1	Trumeter	Cycle Counter	6300-2500-0000	CC1
1	Phoenix Contact	Terminal Block UT-4	3044102	TB3
1	Phoenix Contact	Terminal Block UT-4-PE	3044128	G3
5	Phoenix Contact	Terminal Block UT-10	3044160	TB1-2
2	Phoenix Contact	Terminal Block UT-10-PE	3044173	G1-2
11	Phoenix Contact	End Stop	3022218	N/A
5	Phoenix Contact	End Cover UT-2.5-10	3047028	N/A
2	Altech	Angled Mounting Bracket	CA603	N/A
3	See Water	N.O. Narrow Angle Floats 50'	FPC0N50	N/A
1	UL	508A UL Labels	N/A	N/A

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				SDS11522	
				CONTROL PANEL LAYOUT	
				SIZE	DWG NO.
B	4390	SDS11522			
SCALE		NONE	SHEET		2 OF 2



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