

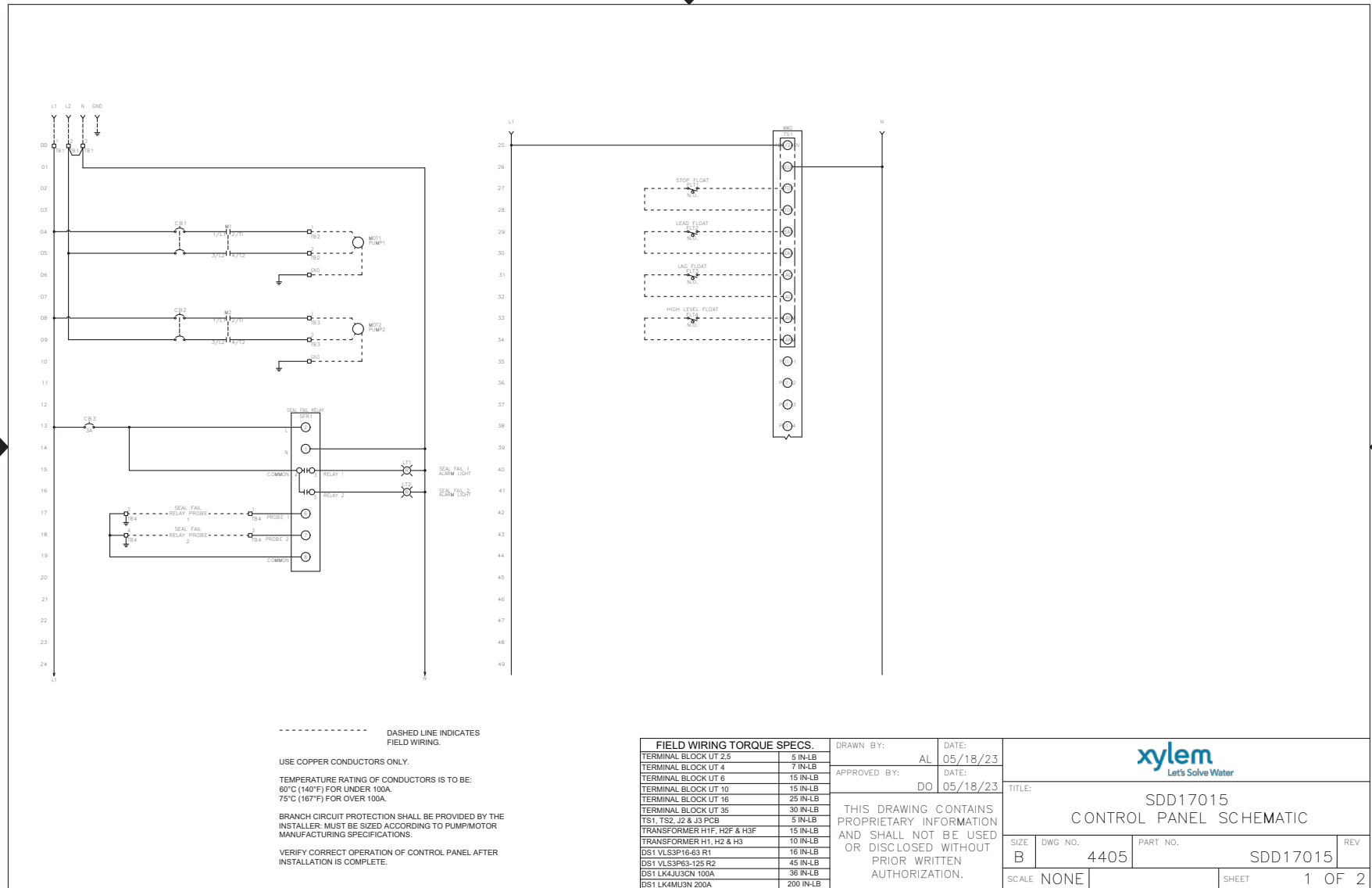
3DWS/4DWS Duplex SDD17015

Control Panel Schematic and Layout

CONTROL PANEL SCHEMATIC

FNAME: SDD17015

REVDATE: 0523

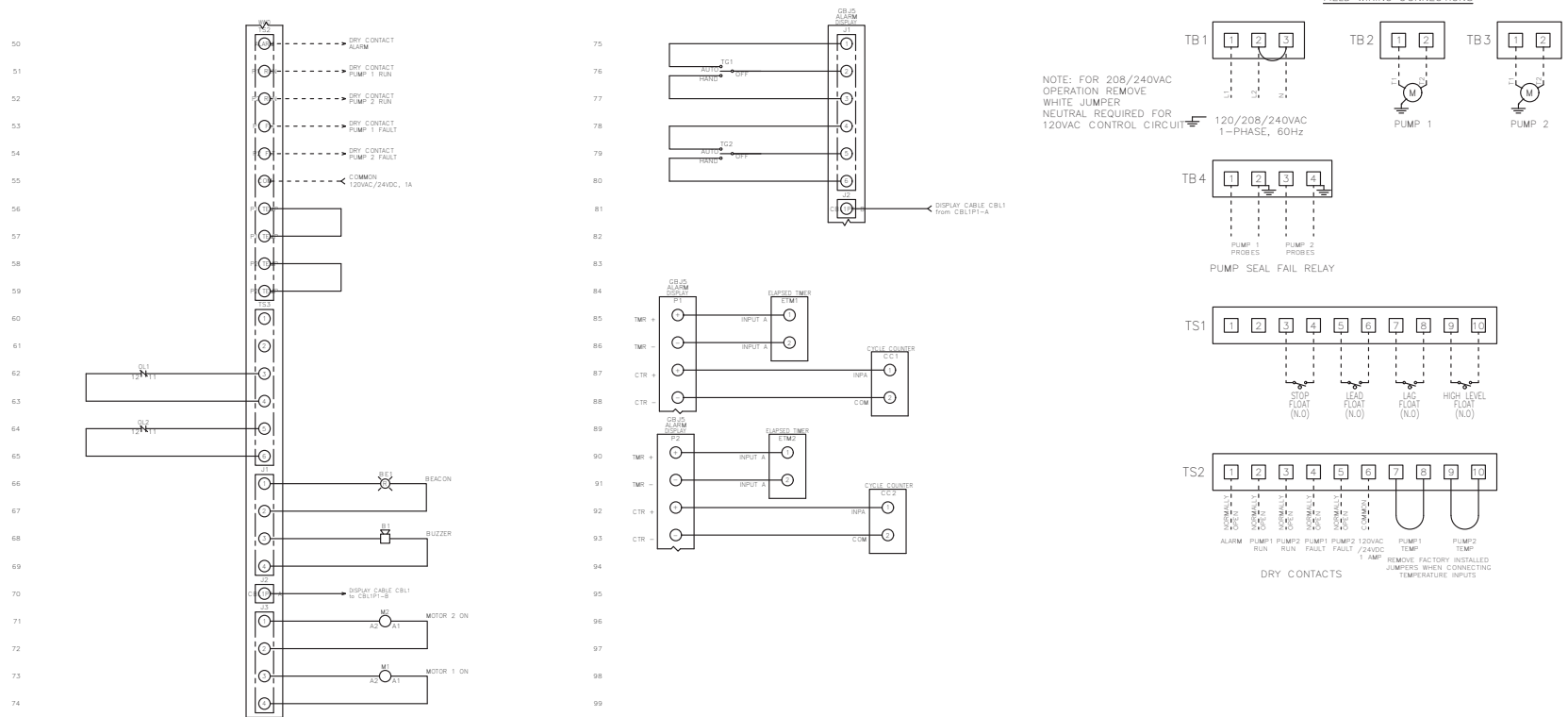


CONTROL PANEL SCHEMATIC

BGSDD17015 R1

FNAME: SDD17015

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----- 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.

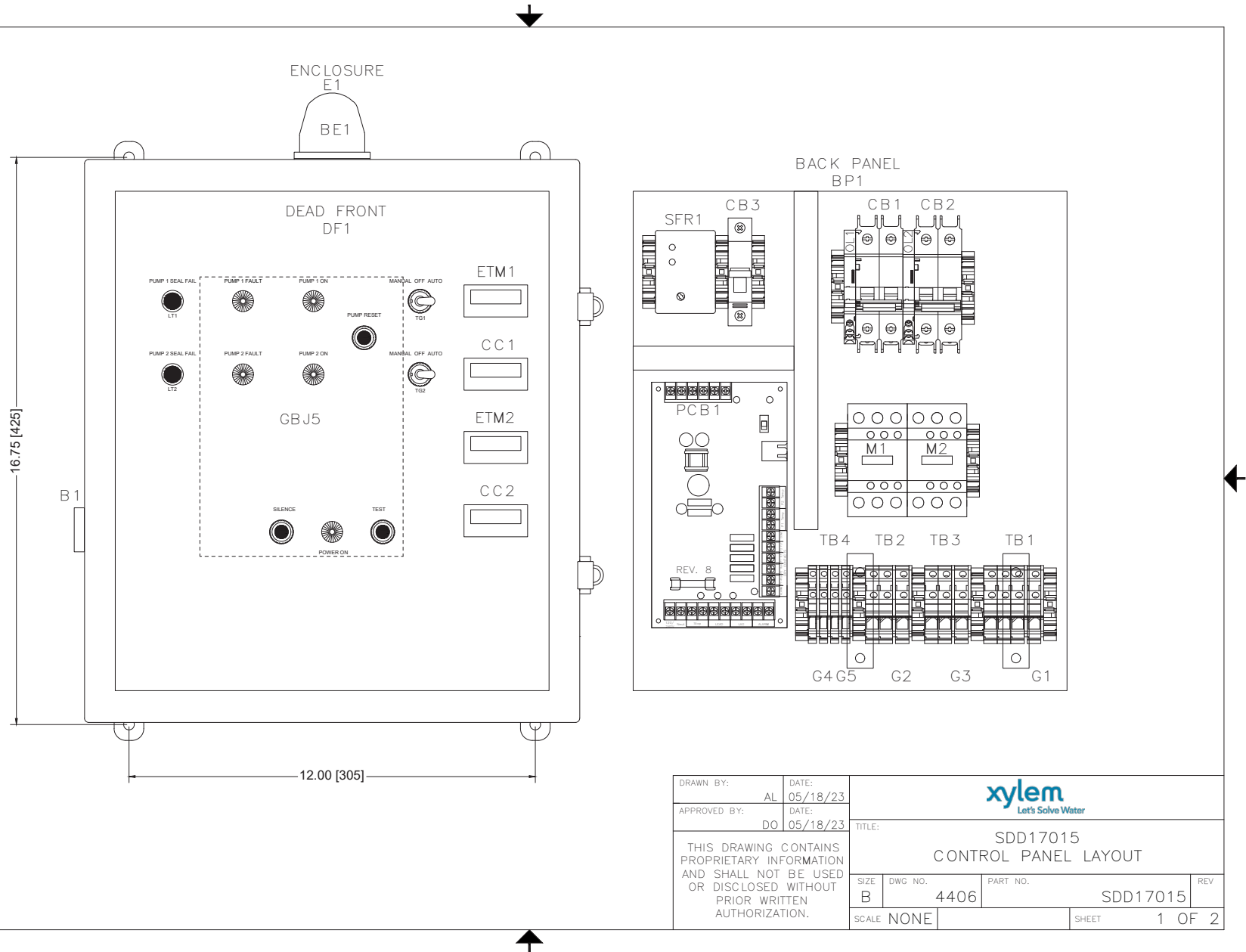
VERIFY CORRECT OPERATION OF CONTROL PANEL AFTER INSTALLATION IS COMPLETE.

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 VLS3P63-125 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:		DATE:				
AL		05/18/23				
APPROVED BY:		DATE:	TITLE:			
DO		05/18/23				
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.			SDD17015			
			CONTROL PANEL SCHEMATIC			
			SIZE	DWG NO.	PART NO.	REV
			B	4405	SDD17015	
SCALE			NONE	SHEET	2 OF 2	

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				SDD17015 CONTROL PANEL LAYOUT		
				SIZE	DWG NO.	PART NO.
				B	4406	SDD17015
				SCALE	NONE	SHEET 1 OF 2

CONTROL PANEL LAYOUT



FNAME: SDD17015

REVDATE: 0523

QTY	MANUFACTURER	DESCRIPTION	PART NUMBER	REF.
1	Saginaw	P.C. Nema 4X Enclosure 18x16x10	H161407HCLL	E1
1	Integra	Hinge Kit	US0PK-P909	N/A
1	All-Spec	Dead Front	520P	DF1
1	All-Spec	Back Panel	525	BP1
1	Ingram	Beacon	R10-SM	BE1
1	Ingram	Buzzer	PB-024-AD	B1
2	VCC	Red Light 125V	1050QC1	LT1-2
1	See Water	Display Board	GBJ5	GBJ5
5	LEDTRONICS	White Lense	LENS-LCD780-CWF	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
2	Carling	HOA Toggle Switch	6FC57-73	TG1,2
2	Schneider	Circuit Breaker	M9F42220	CB1-2
2	Schneider	Side Mount Auxiliary	M9A26924	OL1-2
2	Schneider	Contacto	LC1D18JL	M1-2

QTY	MANUFACTURER	DESCRIPTION	PART NUMBER	REF.
1	Schneider	Circuit Breaker 3A 1 Pole	B1E1C3	CB3
1	Macromatics	Seal Fail Dual Channel Relay	SFP120C100	SFR1
1	Macromatics	8 Pin Socket	70169-D	SFR1
2	Trumeter	Elapsed Time Meter	6320-2500-0000	ETM1-2
2	Trumeter	Cycle Counter	6300-2500-0000	CC1-2
2	Phoenix Contact	Terminal Block UT-4	3044102	TB4
2	Phoenix Contact	Terminal Block UT-4-PE	3044128	G4-5
7	Phoenix Contact	Terminal Block UT-10	3044160	TB1-3
3	Phoenix Contact	Terminal Block UT-10-PE	3044173	G1-3
12	Phoenix Contact	End Stop	3022218	N/A
10	Phoenix Contact	End Cover UT-2.5-10	3047028	N/A
2	Altech	Angled Mounting Bracket	CA603	N/A
1	UL	508A UL Label	N/A	N/A
4	See Water	N.O. Narrow Angle Floats 50'	FPC0N50	N/A



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