

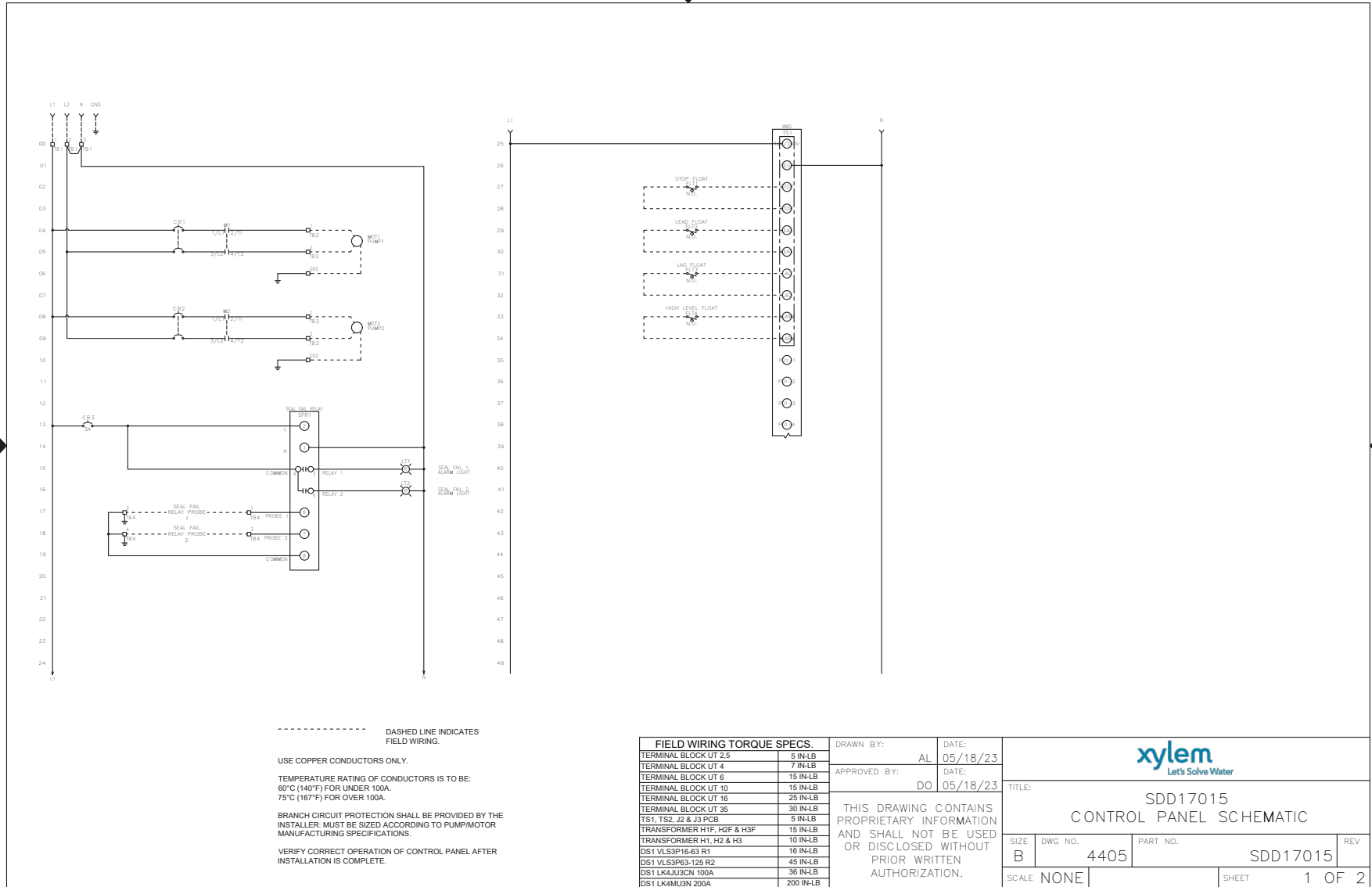
SD Duplex SDD17015

Control Panel Schematic and Layout

CONTROL PANEL SCHEMATIC

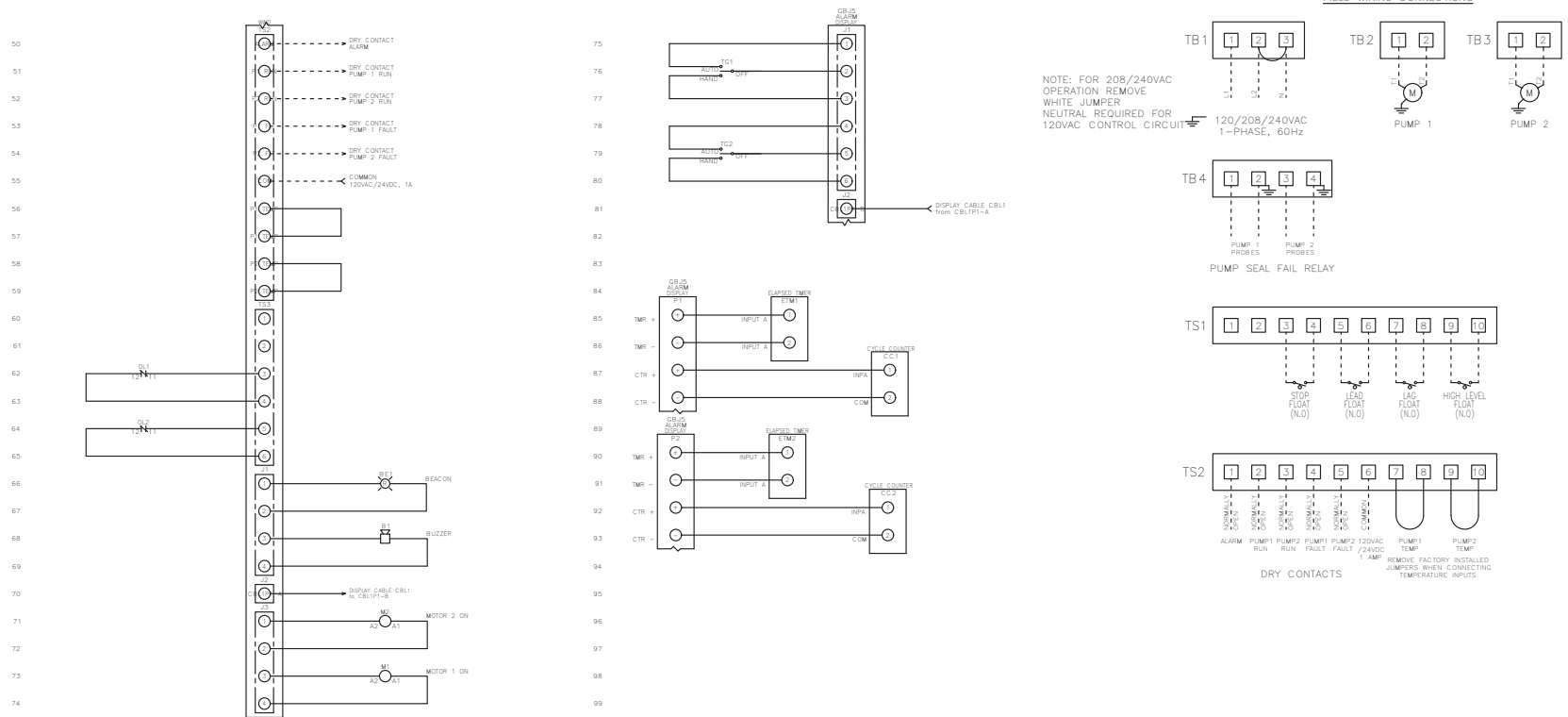
FILENAME: SDD17015

REVDATE: 0523



FRAME: SDD17015

REVDATE: 0523



----- 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.

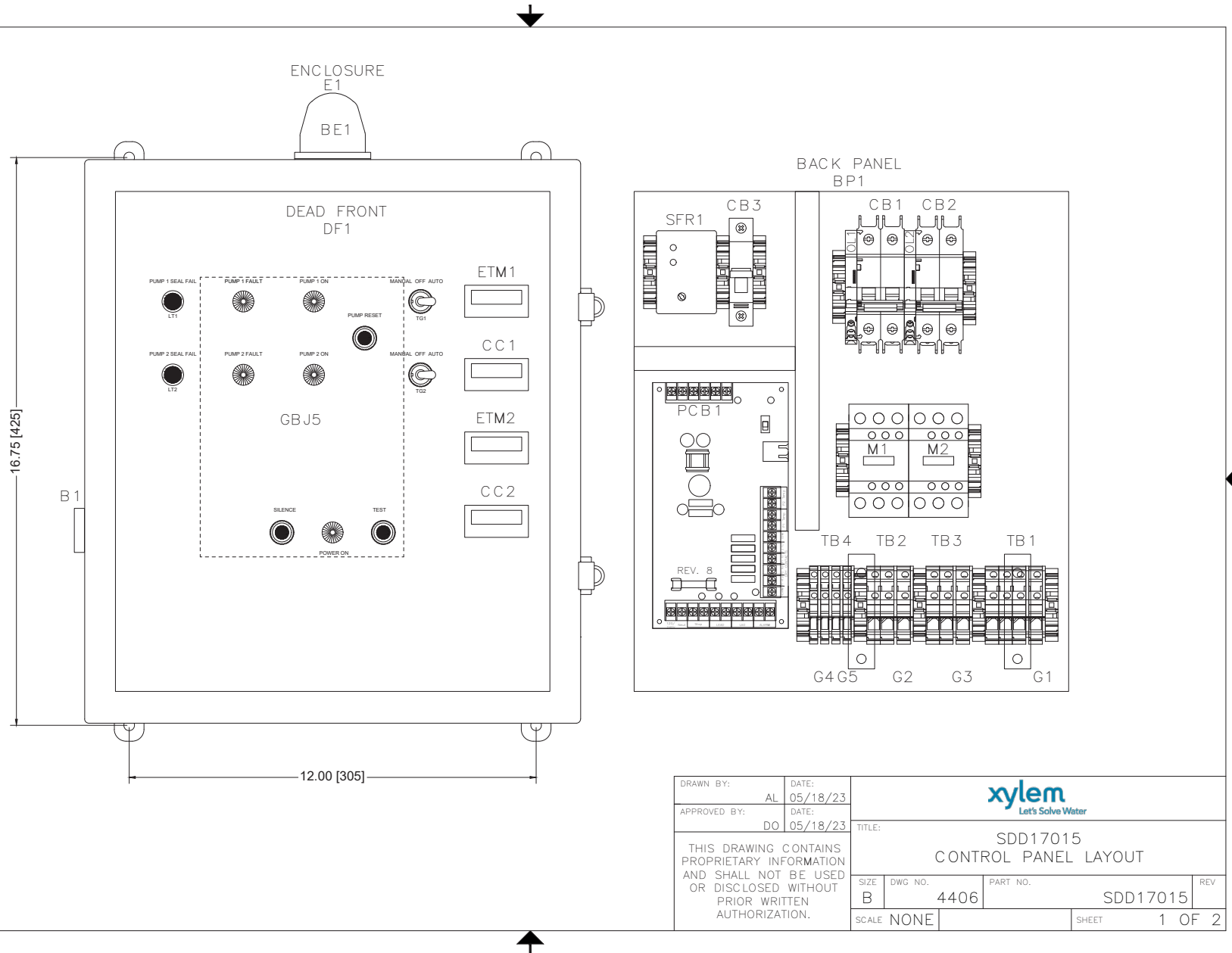
FIELD WIRING TORQUE SPECS.	
TERMINAL BLOCK UT 2.5	5 IN-LB
TERMINAL BLOCK UT 4	7 IN-LB
TERMINAL BLOCK UT 6	15 IN-LB
TERMINAL BLOCK UT 10	15 IN-LB
TERMINAL BLOCK UT 16	25 IN-LB
TERMINAL BLOCK UT 35	30 IN-LB
TS1, TS2, J2 & J3 PCB	5 IN-LB
TRANSFORMER H1F, H2F & H3F	15 IN-LB
TRANSFORMER H1, H2 & H3	10 IN-LB
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: AL
APPROVED BY: DO
DATE: 05/18/23
DATE: 05/18/23
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.

			
TITLE: SDD17015 CONTROL PANEL SCHEMATIC			
SIZE B	DWG NO. 4405	PART NO.	REV
SCALE NONE	SHEET 2 OF 2		

FNAME: SDD17015

REVDATE: 0523



DRAWN BY:	AL	DATE:	05/18/23			
APPROVED BY:	DO	DATE:	05/18/23			
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.				TITLE:		
				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	Contactor	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



Xylem Inc.
2881 East Bayard Street Ext.
Seneca Falls, NY 13148
Phone: (800) 453-6777
Fax: (888) 322-5877
www.xylem.com/goulds



DRAWN BY:	AL	DATE:	05/18/23		
APPROVED BY:	DO	DATE:	05/18/23		
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.				TITLE:	
				SDD17015	
				CONTROL PANEL LAYOUT	
				SIZE	DWG NO.
B	4406	SDD17015			
SCALE	NONE			SHEET	2 OF 2