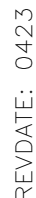




Control Panel Schematic and Layout

BGSDS17015 R1

CONTROL PANEL SCHEMATIC



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-LE
TERMINAL BLOCK UT 4	7 IN-LE
TERMINAL BLOCK UT 6	15 IN-LE
TERMINAL BLOCK UT 10	15 IN-LE
TERMINAL BLOCK UT 16	25 IN-LE
TERMINAL BLOCK UT 35	30 IN-LE
TS1, TS2, J2 & J3 PCB	5 IN-LE
TRANSFORMER H1F, H2F & H3F	15 IN-LE
TRANSFORMER H1, H2 & H3	10 IN-LE
DS1 VLS3P16-63 R1	16 IN-LE
DS1 VLS3P63-125 R2	45 IN-LE
DS1 LK4JU3CN 100A	36 IN-LE
DS1 K4MI 13N 200A	200 IN-LE

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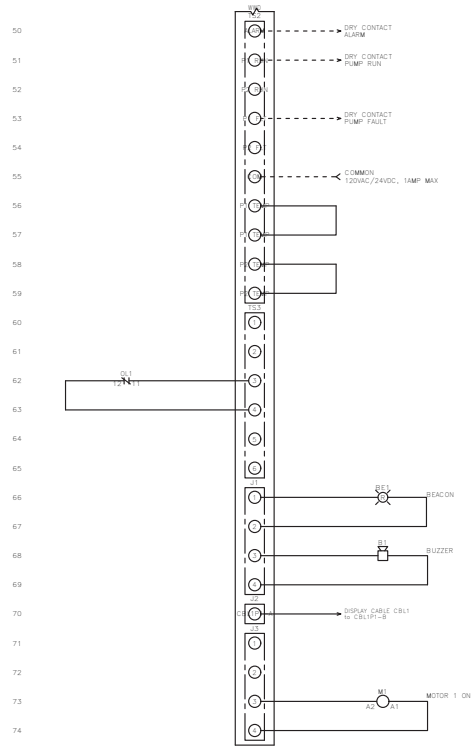
xylem
Let's Solve Water

3	TITLE:	SDS17015 CONTROL PANEL SCHEMATIC
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SIZE B	DWG NO. 4252	PART NO. SDS17015	REV
SCALE NONE		SHEET 1 OF 2	

FNAME: SDS17015

REVDATE: 0423



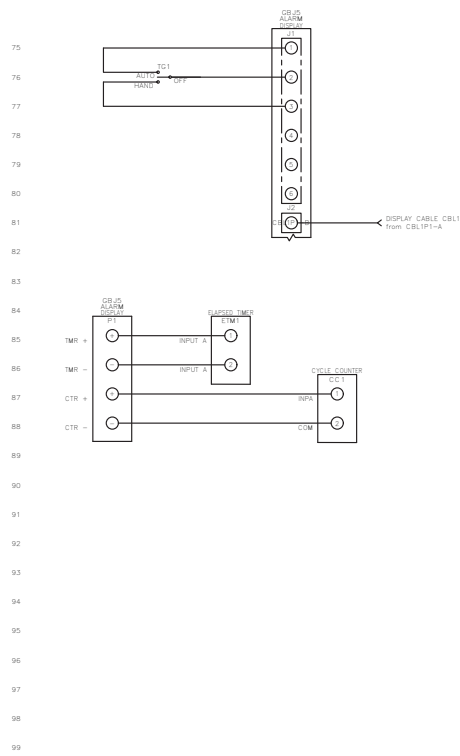
----- DASHED LINE INDICATES FIELD WIRING.

USE COPPER CONDUCTORS ONLY.

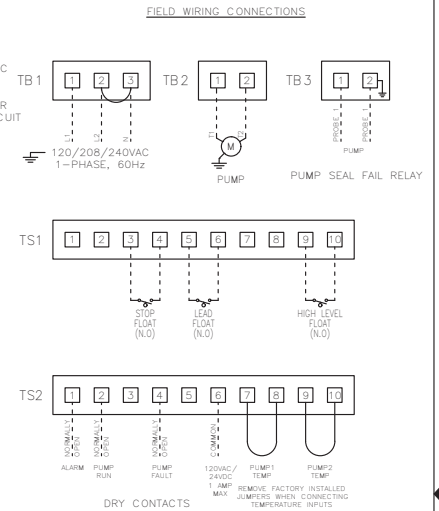
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VERIFY CORRECT OPERATION OF CONTROL PANEL AFTER INSTALLATION IS COMPLETE.



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



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 DATE: 04/12/23

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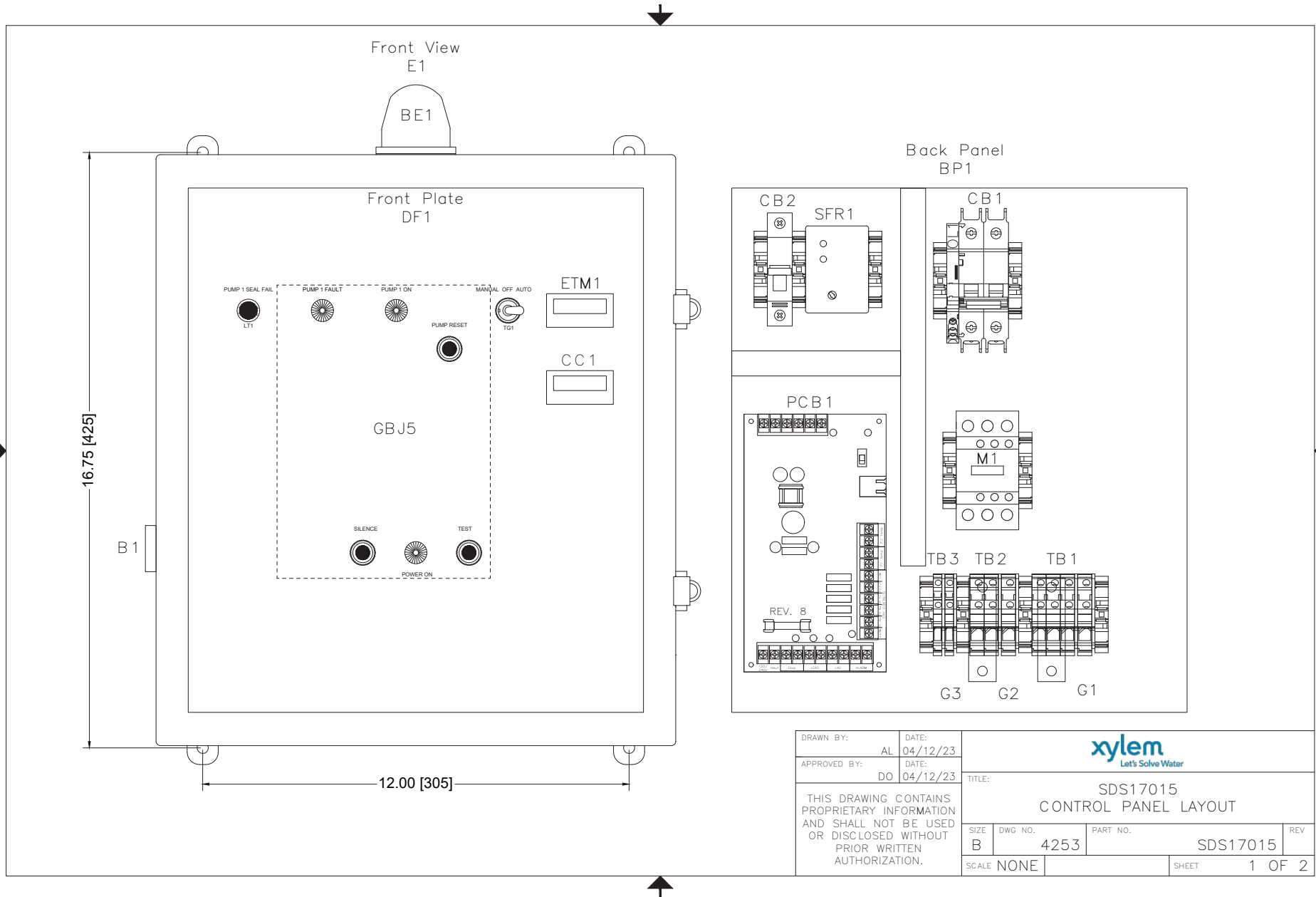
xylem Let's Solve Water	
TITLE: SDS17015 CONTROL PANEL SCHEMATIC	
SIZE B	DWG NO. 4252
SCALE NONE	SHEET 2 OF 2

CONTROL PANEL LAYOUT

BGSDS17015 R1

FNAME: SDS17015

REVDATE: 0423



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APPROVED BY:	DO	DATE:	04/12/23			
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.				TITLE:		
				SDS17015 CONTROL PANEL LAYOUT		
				SIZE	DWG NO.	PART NO.
				B	4253	SDS17015
				SCALE	NONE	SHEET 1 OF 2

CONTROL PANEL LAYOUT

FNAME: SDS17015

REVDATE: 0423

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	Intega	Hinge Kit	USOPK-P909	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	M9F42220	CB1
1	Schneider	Side Mount Auxiliary	M9A26924	OL1

QTY	MANUFACTURER	DESCRIPTION	PART NUMBER	REF.
1	Schneider	Contactora	LC1D18JL	M1
1	Macromatics	Seal Fail Single Channel Relay	SFP120A100	SFR1
1	Macromatics	8 Pin Socket	70169-D	SFR1
1	Schneider	Circuit Breaker 3A 1 Pole	B1E1C6	CB2
1	Trumeter	Elapsed Time Meter	6320-2500-0000	ETM1
1	Trumeter	Cycle Counter	6300-2500-0000	CC1
5	Phoenix Contact	Terminal Block UT-10	3044160	TB1-2
2	Phoenix Contact	Terminal Block UT-10-PE	3044173	G1-2
1	Phoenix Contact	Terminal Block UT-4	3044102	TB3
1	Phoenix Contact	Terminal Block UT-4-PE	3044128	G3
7	Phoenix Contact	End Stop	3022218	N/A
5	Phoenix Contact	End Cover	3047028	N/A
2	Altech	Angled Mounting Bracket	CA603	N/A
3	See Water	N.O. Narrow Angle Floats 50'	FPCON50	N/A
1	UL	508A UL Labels	N/A	N/A

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APPROVED BY: DO		DATE: 04/12/23					
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				SIZE: B	DWG NO. 4253	PART NO. SDS17015	REV
				SCALE: NONE		SHEET 2 OF 2	



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