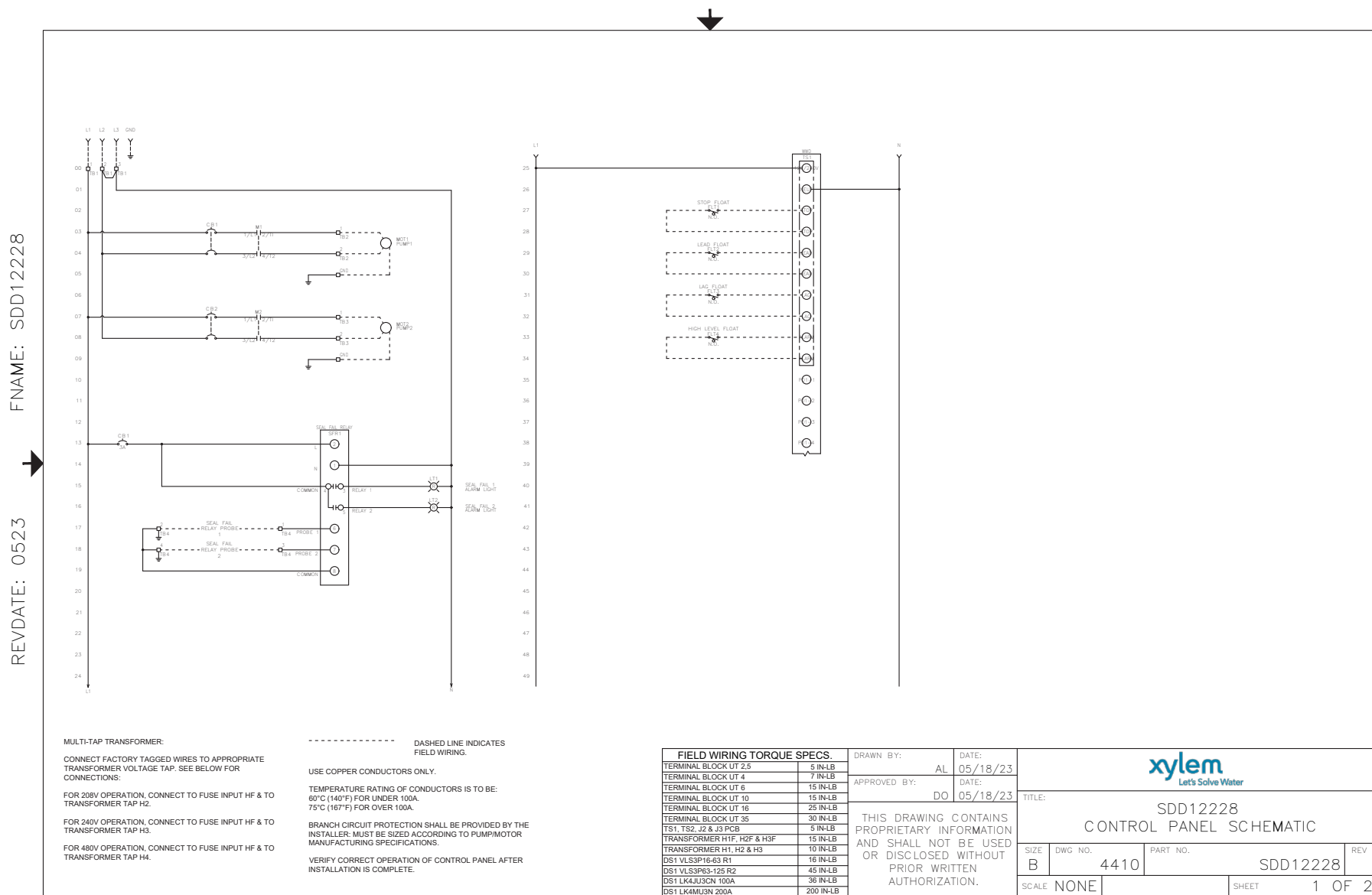




Control Panel Schematic and Layout

DRAWING
BGSDD12228 R1

CONTROL PANEL SCHEMATIC

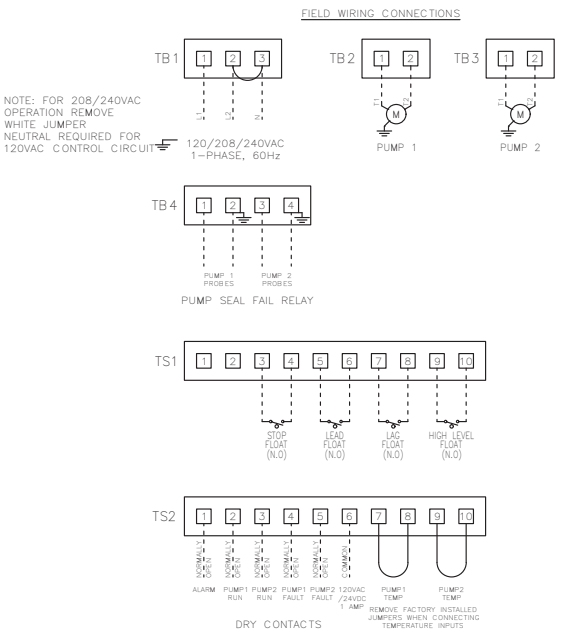
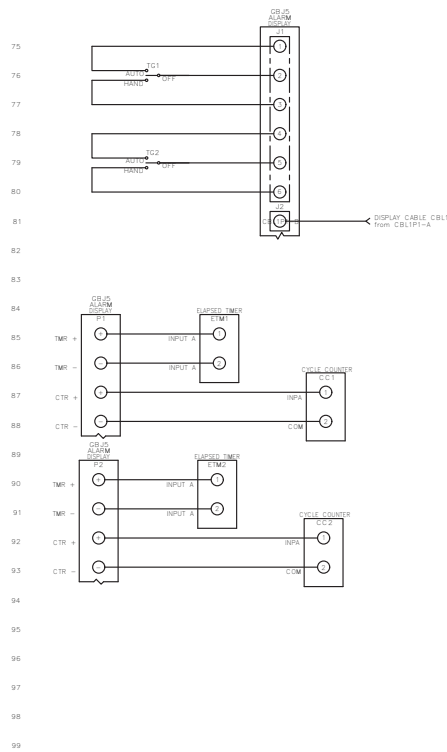
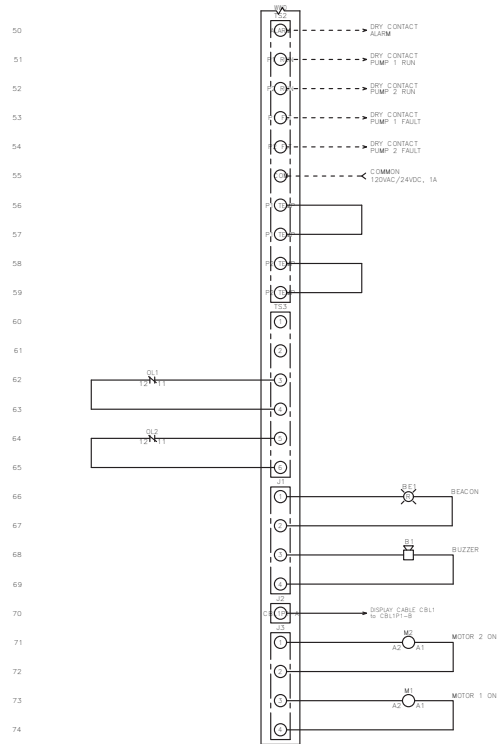


CONTROL PANEL SCHEMATIC

BGSDD12228 R1

FNAME: SDD12228

REVDATE: 0523



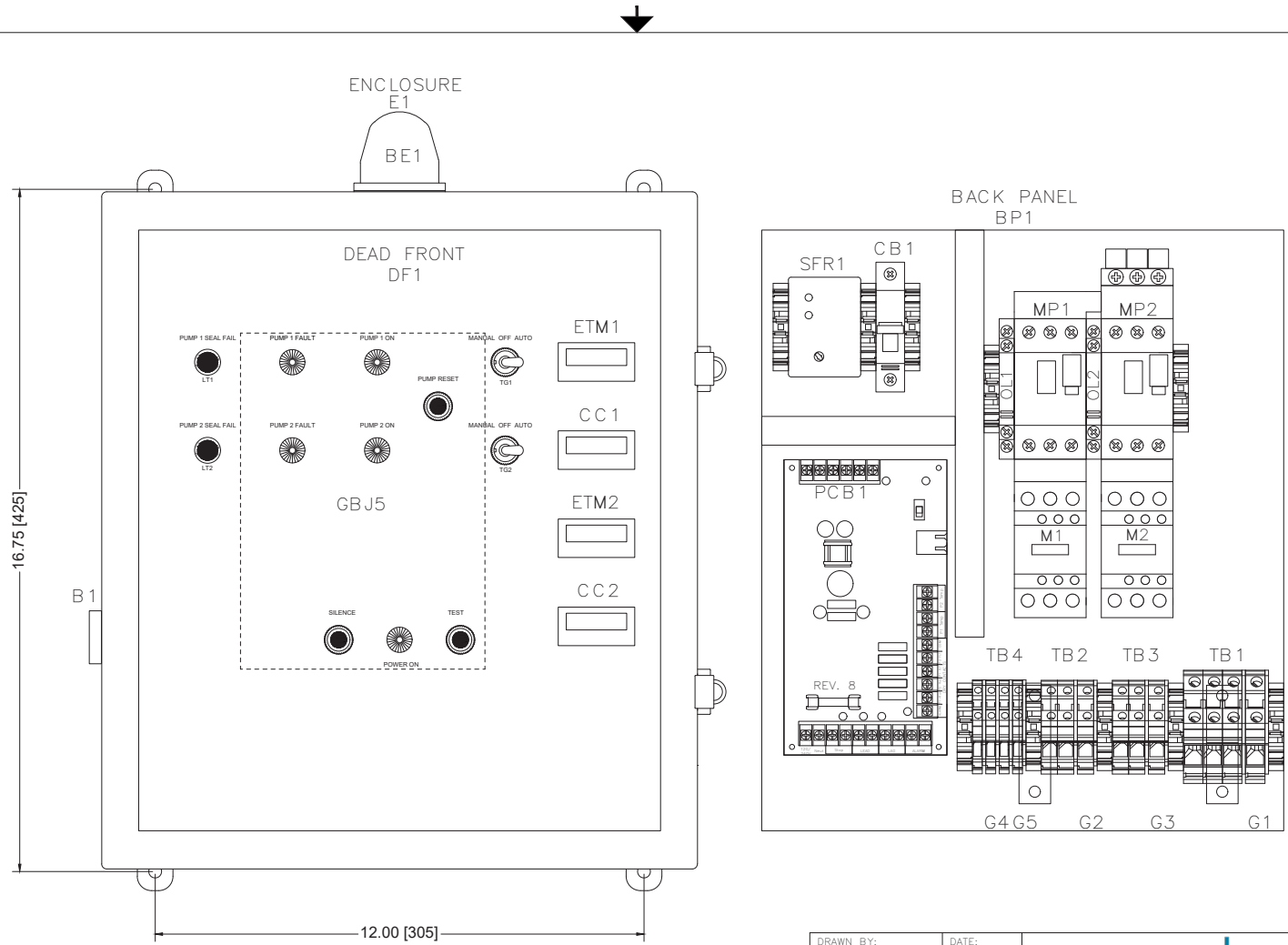
MULTI-TAP TRANSFORMER:
CONNECT FACTORY TAGGED WIRES TO APPROPRIATE TRANSFORMER VOLTAGE TAP. SEE BELOW FOR CONNECTIONS:
FOR 208V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H2.
FOR 240V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H3.
FOR 480V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H4.

----- 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.		DRAWN BY:	DATE:		
TERMINAL BLOCK UT 2.5	5 IN-LB	AL	05/18/23		
TERMINAL BLOCK UT 4	7 IN-LB	APPROVED BY: DO	DATE: 05/18/23	TITLE: SDD12228 CONTROL PANEL SCHEMATIC	
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			THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.	
DS1 VLS3P63-125 R2	45 IN-LB				
DS1 LK4JU3CN 100A	36 IN-LB				
DS1 LK4MU3N 200A	200 IN-LB				
SIZE B	DWG NO. 4410	PART NO. SDD12228	REV		
SCALE NONE	SHEET 2 OF 2				

FNAM: SDD12228

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:		
				SDD12228 CONTROL PANEL LAYOUT		
				SIZE	DWG NO.	PART NO.
				B	4409	SDD12228
				SCALE	NONE	SHEET 1 OF 2

CONTROL PANEL LAYOUT



FILENAME: SDD12228



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	Motor Protector	GV2ME32	MP1-2
2	Schneider	Side Mount Auxiliary	GVAN11	OL1-2
2	Schneider	Contactor	LC1D32JL	M1-2
2	Schneider	GV2 Combination Block	GV2AF3	N/A
1	Schneider	GV2 BusBar	GV2G254	N/A

QTY	MANUFACTURER	DESCRIPTION	PART NUMBER	REF.
1	Schneider	Top Feed Terminal Block	GV1G09	N/A
1	Schneider	Circuit Breaker 3A 1 Pole	M9F22103	CB1
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
4	Phoenix Contact	Terminal Block UT-10	3044160	TB2-3
2	Phoenix Contact	Terminal Block UT-10-PE	3044173	G2-3
3	Phoenix Contact	Terminal Block UT-16	3044199	TB1
1	Phoenix Contact	Terminal Block UT-16-PE	3044212	G1
10	Phoenix Contact	End Stop	3022218	N/A
8	Phoenix Contact	End Cover UT-2.5-10	3047028	N/A
2	Phoenix Contact	End Cover UT-16	3047206	N/A
2	Altech	Angled Mounting Bracket	CA603	N/A
4	See Water	N.O. Narrow Angle Floats 50'	FPC0N50	N/A
1	UL	508A UL Label	N/A	N/A



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

Xylem and Bell & Gossett are registered trademarks of Xylem Inc. or one of its subsidiaries. All other trademarks or registered trademarks are property of their respective owners.
© 2023 Xylem Inc. BGSD12228 R1 October 2023

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:			
				SDD12228 CONTROL PANEL LAYOUT			
				SIZE	DWG NO.	PART NO.	REV
				B	4409	SDD12228	
SCALE		NONE		SHEET 2 OF 2			