

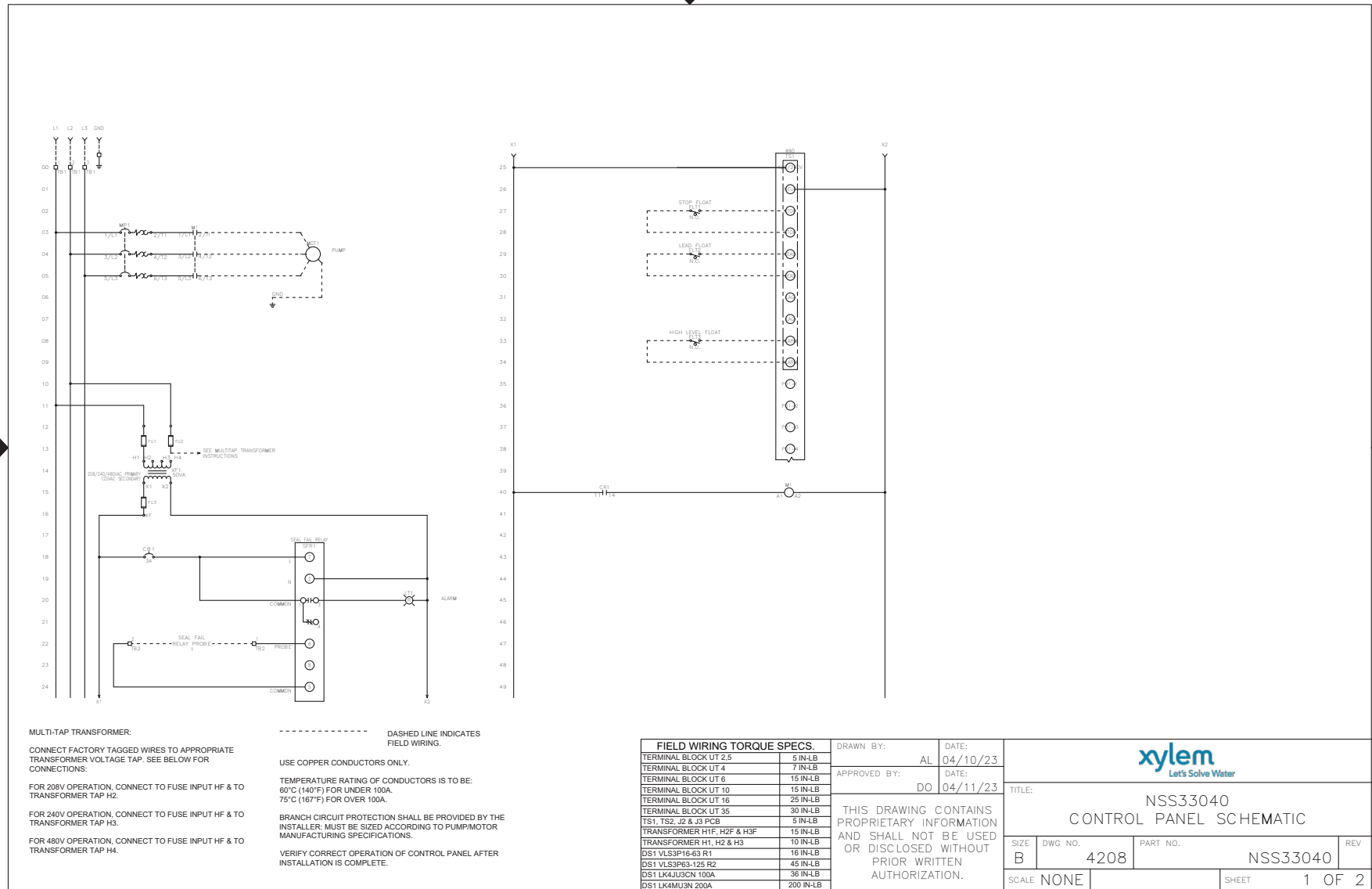
4DWC Simplex NSS33040

Control Panel Schematic and Layout

CONTROL PANEL SCHEMATIC

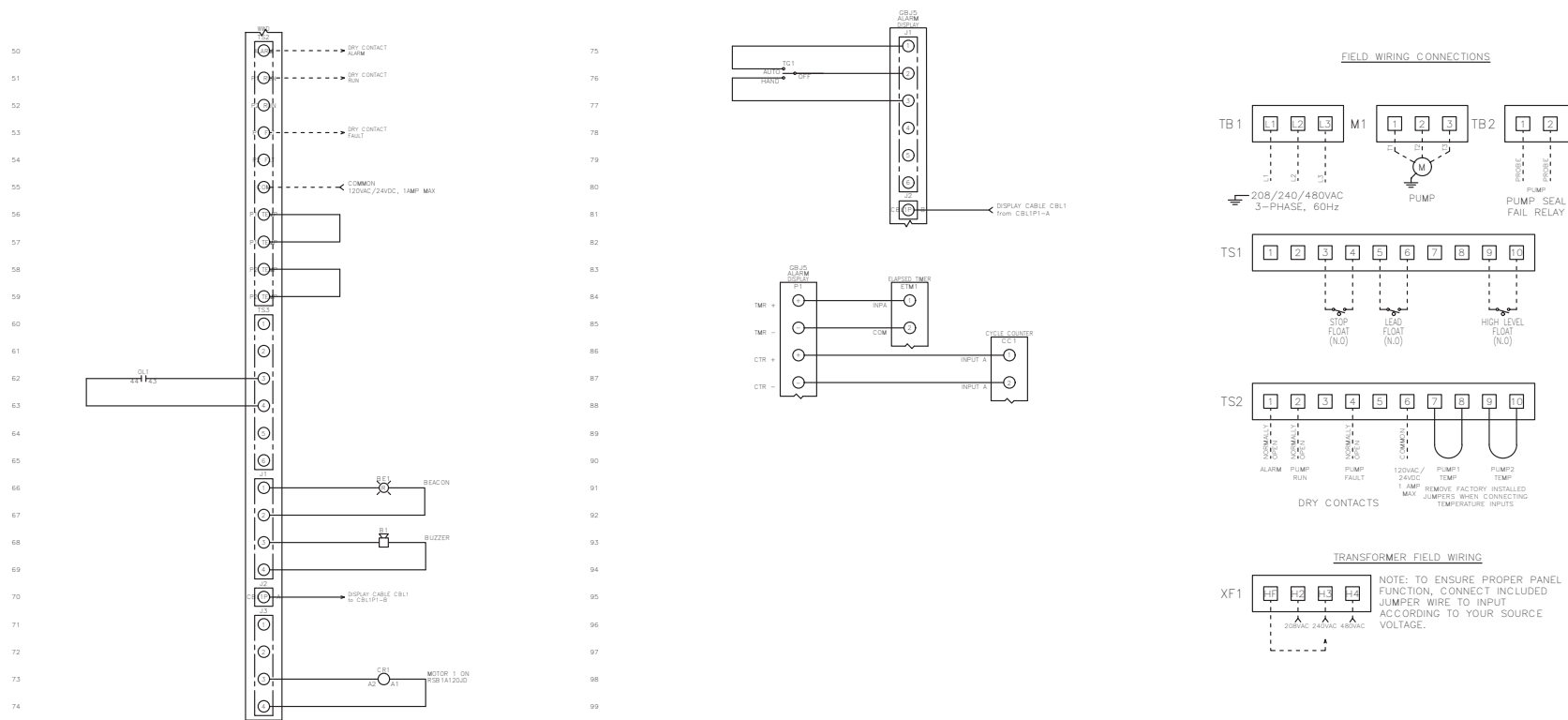
FNAME: NSS33040

REVDATE: 0423

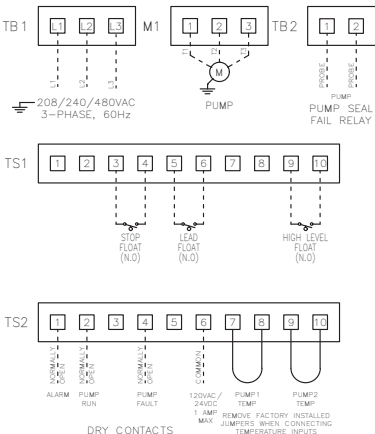


FNAME: NSS33040

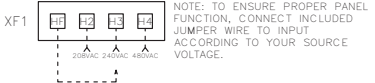
REVDATE: 0423



FIELD WIRING CONNECTIONS



TRANSFORMER FIELD WIRING



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.	
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 R2	16 IN-LB
DS1 VLS3P63-125 R2	45 IN-LB
DS1 LK4JUSCN 100A	36 IN-LB
DS1 LK4JUSCN 200A	200 IN-LB

DRAWN BY: AL DATE: 04/10/23

APPROVED BY: DO DATE: 04/11/23

THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.

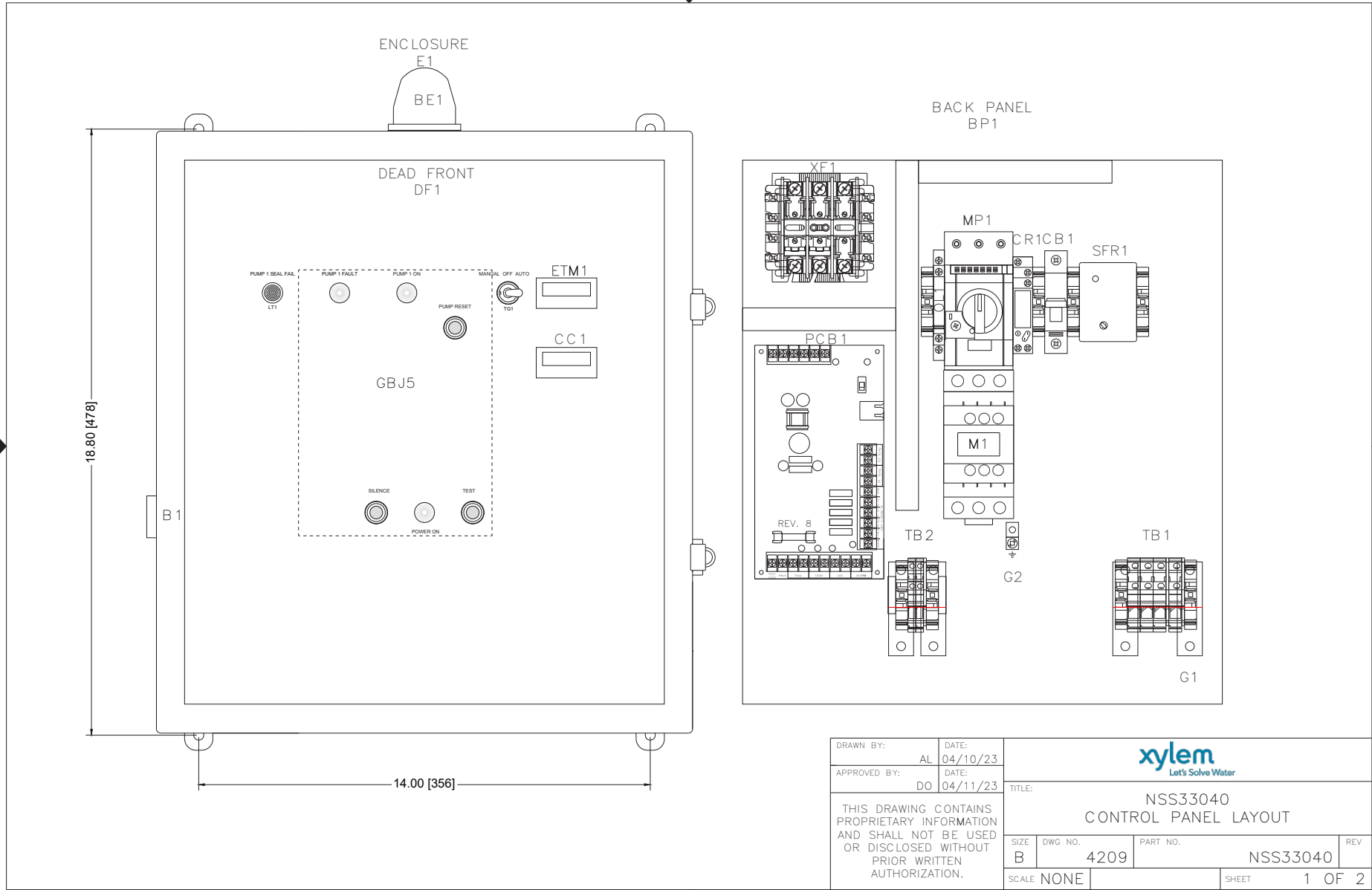
			
TITLE: NSS33040 CONTROL PANEL SCHEMATIC			
SIZE B	DWG NO. 4208	PART NO. NSS33040	REV
SCALE NONE		SHEET 2 OF 2	

CONTROL PANEL LAYOUT

BGNSS33040 R1

FNAME: NSS33040

REVDATE: 0423



DRAWN BY:	AL	DATE:	04/10/23			
APPROVED BY:	DO	DATE:	04/11/23			
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.				TITLE:		
				NSS33040 CONTROL PANEL LAYOUT		
				SIZE	DWG NO.	PART NO.
				B	4209	NSS33040
				SCALE	NONE	SHEET 1 OF 2

CONTROL PANEL LAYOUT

FNAME: NSS33040

REVDATE: 0423

QTY	MANUFACTURER	DESCRIPTION	PART NUMBER	REF.
1	Integra	P.C. Nema 4X Enclosure 18x16x10	H181610HCLL	E1
1	All-Spec	Dead Front	624P	DF1
1	All-Spec	Back Panel	625	BP1
1	Integra	Hinge Kit	US0PK-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	GBJ5
3	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
1	Carling	HOA Toggle Switch	6FC57-73	TG1
1	Schneider	Multitap Transformer 50VA	9070TF50D20	XF1
2	Mersen	ATQR 3/10A Fuse	ATQR-3/10A	XF1
1	Mersen	TRM 6/10A Fuse	TRM-6/10A	XF1
1	Schneider	Motor Protector	GV3P40	MP1

QTY	MANUFACTURER	DESCRIPTION	PART NUMBER	REF.
1	Schneider	Side Mount Auxiliary	GVAN11	OL1
1	Schneider	Contactora	LC1D40AG7	M1
1	Noark	Circuit Breaker 3A 1 Pole	B1E1C3	CB1
1	Schneider	Mini Plug In Relay Holder	RSZE1S35M	CR1
1	Schneider	Mini Plug In Relay Clamp	RSZR215	CR1
1	Schneider	Mini Plug In Relay 12VDC	RSB1A120JD	CR1
1	Macromatics	Seal Fail Dual Channel Relay	SFP120C100	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
2	Phoenix Contact	Terminal Block UT-4	3044102	TB2
3	Phoenix Contact	Terminal Block UT-10	3044160	TB1
1	Phoenix Contact	Terminal Block UT-10-PE	3044173	G1-2
7	Phoenix Contact	End Stop	3022218	N/A
3	Phoenix Contact	End Cover	3047028	N/A
1	Burndy	Ground	6T	G2
4	Altech	Angled Mounting Bracket	CA603	N/A
3	See Water	N.O. Narrow Angle Floats 50'	FPC0N50	N/A
1	UL	508A UL Label	N/A	N/A

DRAWN BY:	AL	DATE:	04/10/23		
APPROVED BY:	DO	DATE:	04/11/23		
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.				TITLE:	
				NSS33040	
				CONTROL PANEL LAYOUT	
SIZE	B	DWG NO.	4209	PART NO.	NSS33040
SCALE		NONE		SHEET	2 OF 2



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