

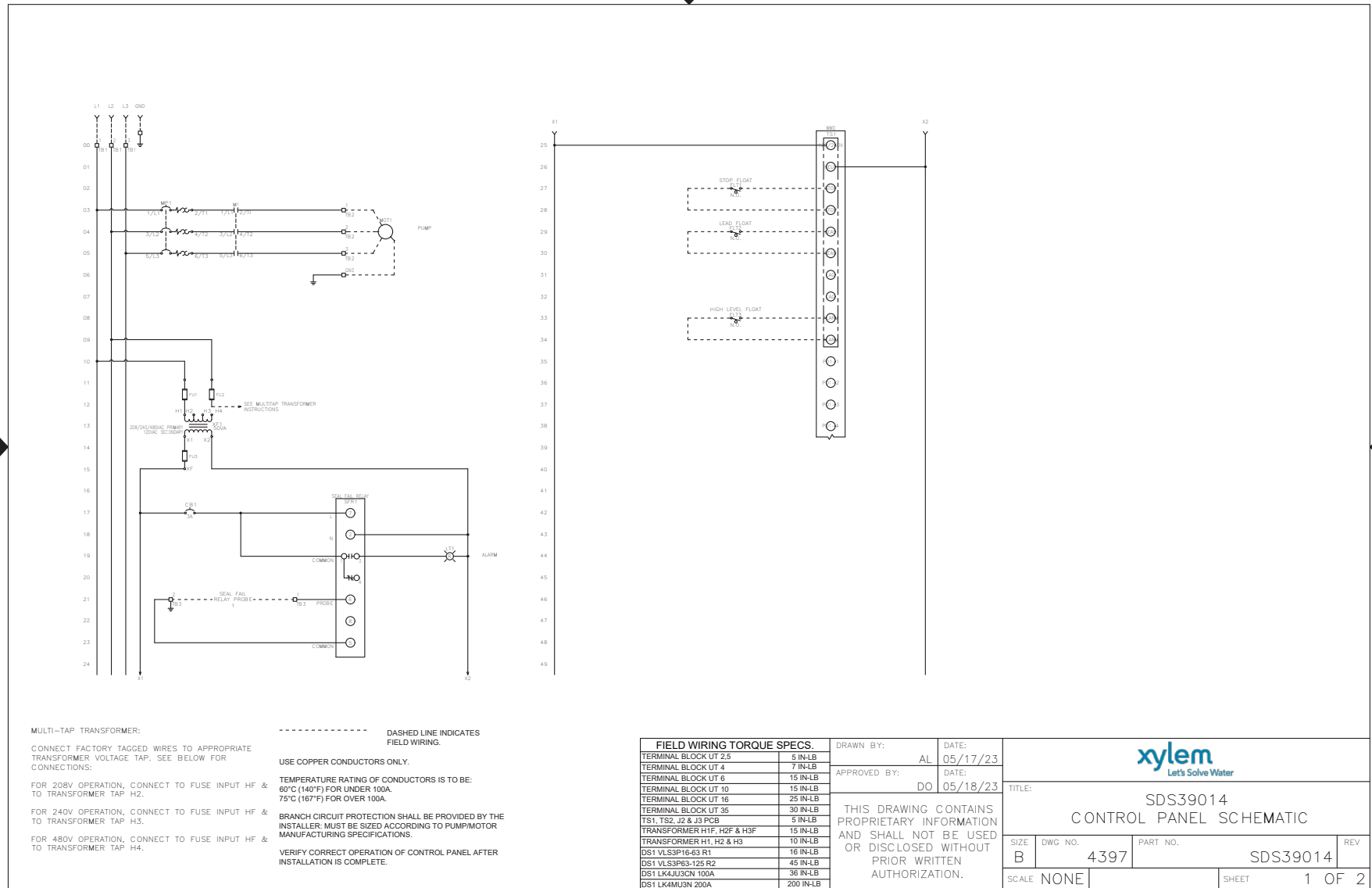
# 3DWS/4DWS Simplex SDS39014

## Control Panel Schematic and Layout

### CONTROL PANEL SCHEMATIC

FILENAME: SDS39014

REVDATE: 0523



## FNAME: SDS39014



----- 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.

|           |          |
|-----------|----------|
| DRAWN BY: | DATE:    |
| AL        | 05/17/20 |

THIS DRAWING CONTAINS

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PROPRIETARY INFORMATION  
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PRIOR WRITTEN  
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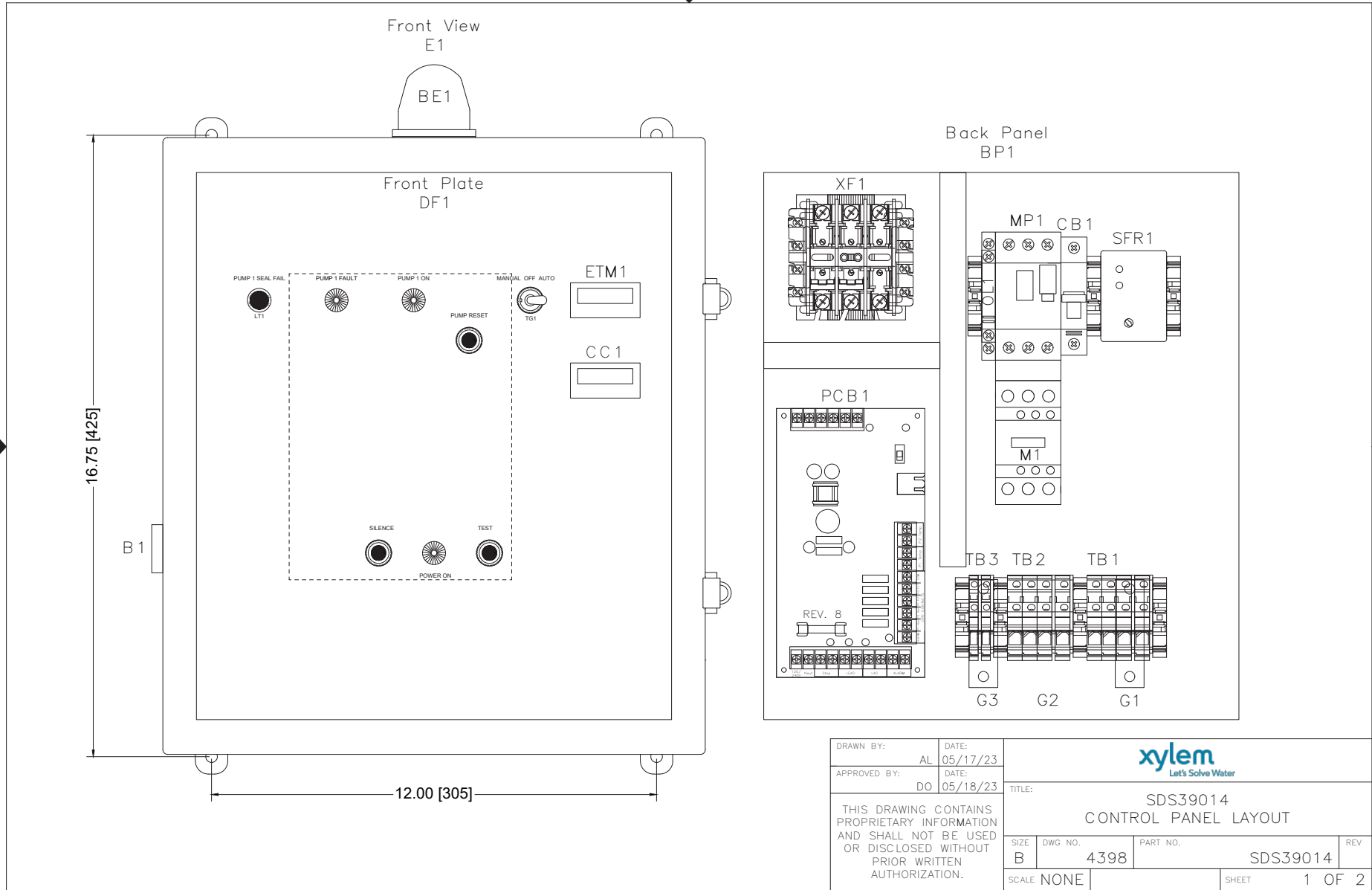
|                                                                                       |               |
|---------------------------------------------------------------------------------------|---------------|
|  |               |
| TITLE: SDS39014<br>CONTROL PANEL SCHEMATIC                                            |               |
| SIZE<br>B                                                                             | DWG. NO. 4397 |
| PART NO. SDS39014                                                                     |               |
| SCALE NONE                                                                            | SHEET 2 OF 2  |

CONTROL PANEL LAYOUT

BGSDS39014 R1

FNAME: SDS39014

REVDATE: 0523



# CONTROL PANEL LAYOUT



FNAME: SDS39014

REVDATE: 0523

| 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   | Integra      | Hinge Kit              | USOPK-909        | 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    | Fused Transformer 50VA | 9070TF50D20      | XF1  |
| 2   | Mersen       | KLDR 3/10A Fuse        | KLDR-3/10A       | XF1  |
| 1   | Mersen       | FLM 6/10A Fuse         | FLM-6/10A        | XF1  |

| QTY | MANUFACTURER    | DESCRIPTION                    | PART NUMBER    | REF.  |
|-----|-----------------|--------------------------------|----------------|-------|
| 1   | Schneider       | Motor Protector                | GV2ME16        | MP1   |
| 1   | Schneider       | Side Mount Auxiliary           | GVAN11         | OL1   |
| 1   | Schneider       | Contactor                      | LC1D18JL       | M1    |
| 1   | Schneider       | Combination Block              | GV2AF3         | N/A   |
| 1   | Noark           | Circuit Breaker 3A 1 Pole      | B1E1C3         | CB1   |
| 1   | Macromatics     | Seal Fail Single Channel Relay | SFP120A100     | 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   |
| 1   | Phoenix Contact | Terminal Block UT-4            | 3044102        | TB3   |
| 1   | Phoenix Contact | Terminal Block UT-4-PE         | 3044128        | G3    |
| 6   | Phoenix Contact | Terminal Block UT-10           | 3044160        | TB1-2 |
| 2   | Phoenix Contact | Terminal Block UT-10-PE        | 3044173        | G1-2  |
| 7   | Phoenix Contact | End Stop                       | 3022218        | N/A   |
| 6   | Phoenix Contact | End Cover                      | 3047028        | N/A   |
| 2   | Altech          | Angled Mounting Bracket        | CA603          | N/A   |
| 3   | See Water       | N.O. Narrow Angle Floats 50'   | FPC0N50        | N/A   |
| 1   | UL              | 508A UL Labels                 | N/A            | N/A   |



|                                                                                                                       |    |       |          |                                                                                       |         |          |     |
|-----------------------------------------------------------------------------------------------------------------------|----|-------|----------|---------------------------------------------------------------------------------------|---------|----------|-----|
| DRAWN BY:                                                                                                             | AL | DATE: | 05/17/23 |  |         |          |     |
| APPROVED BY:                                                                                                          | DO | DATE: | 05/18/23 |                                                                                       |         |          |     |
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|                                                                                                                       |    |       |          | SDS39014<br>CONTROL PANEL LAYOUT                                                      |         |          |     |
|                                                                                                                       |    |       |          | SIZE                                                                                  | DWG NO. | PART NO. | REV |
|                                                                                                                       |    |       |          | B                                                                                     | 4398    | SDS39014 |     |
| SCALE                                                                                                                 |    |       |          | NONE                                                                                  | SHEET   | 2 OF 2   |     |



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