

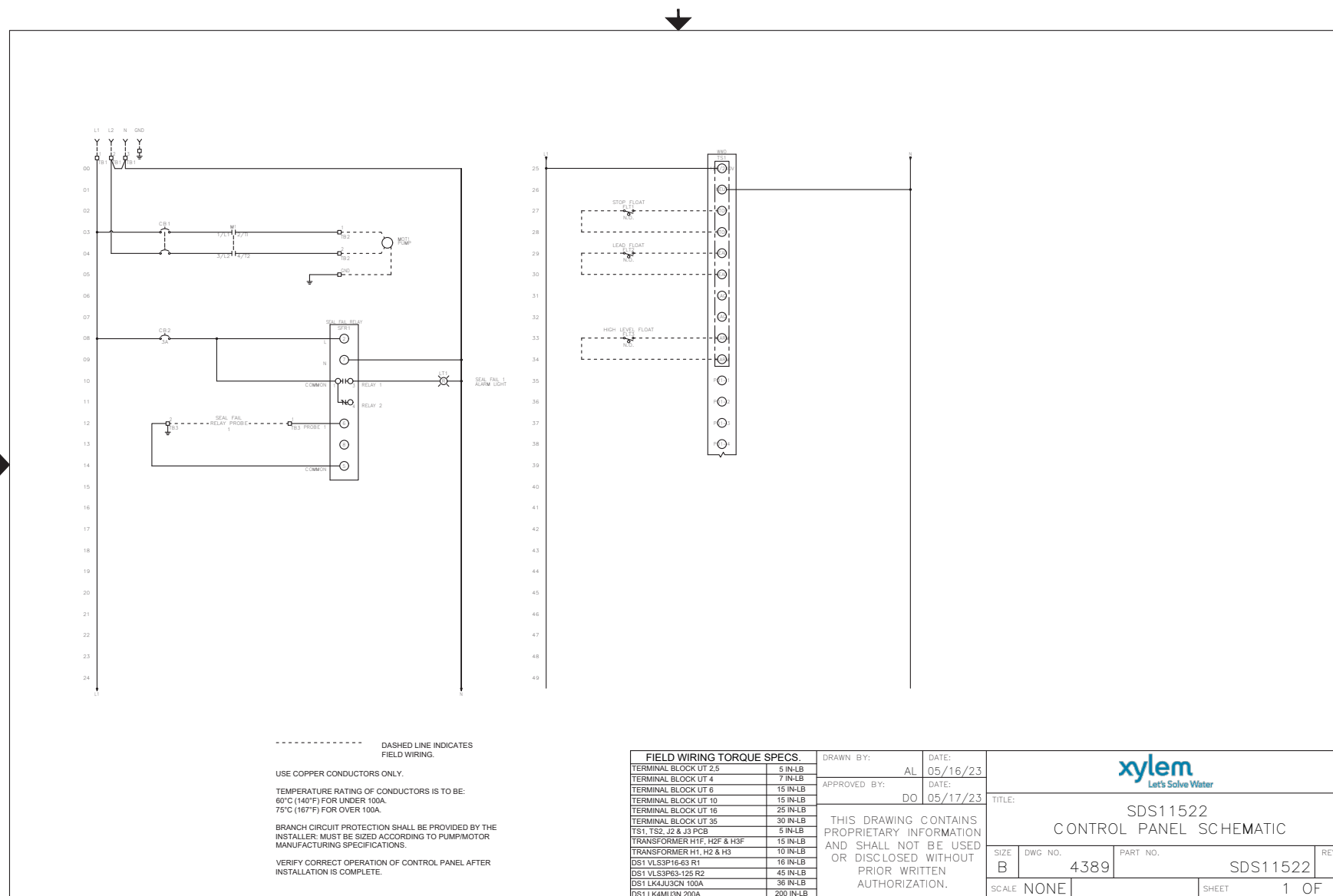


## Control Panel Schematic and Layout

**DRAWING**  
BGSDS11522 R1

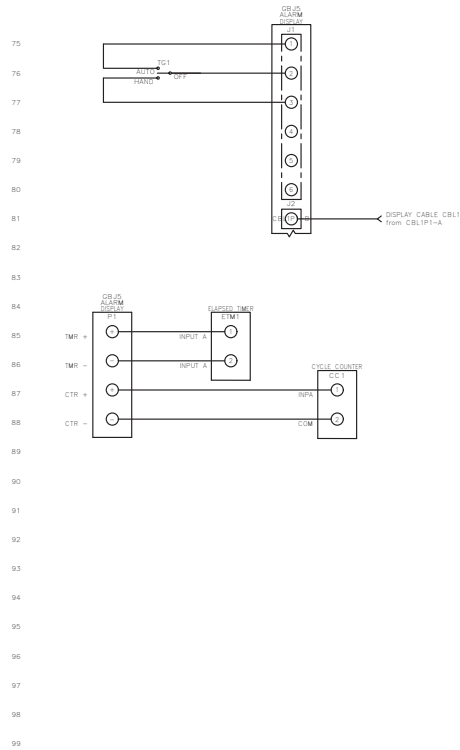
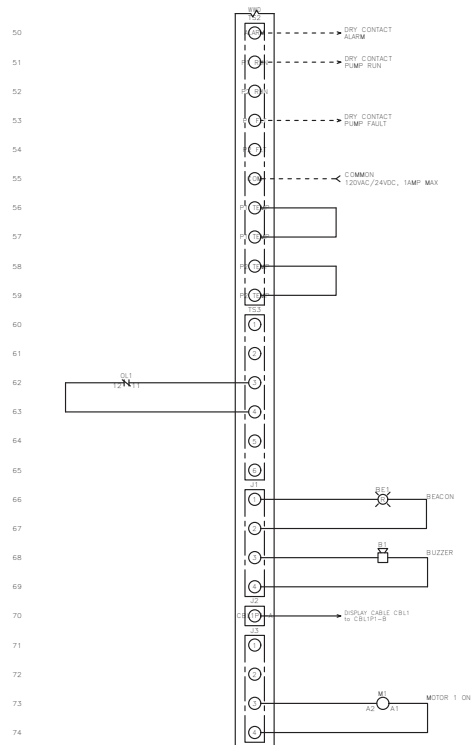
## CONTROL PANEL SCHEMATIC

REVDATE: 0523



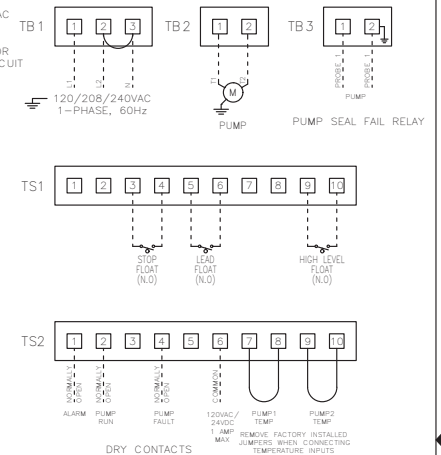
FNAME: SDS11522

REVDATE: 0523



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

FIELD WIRING CONNECTIONS



| 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 |

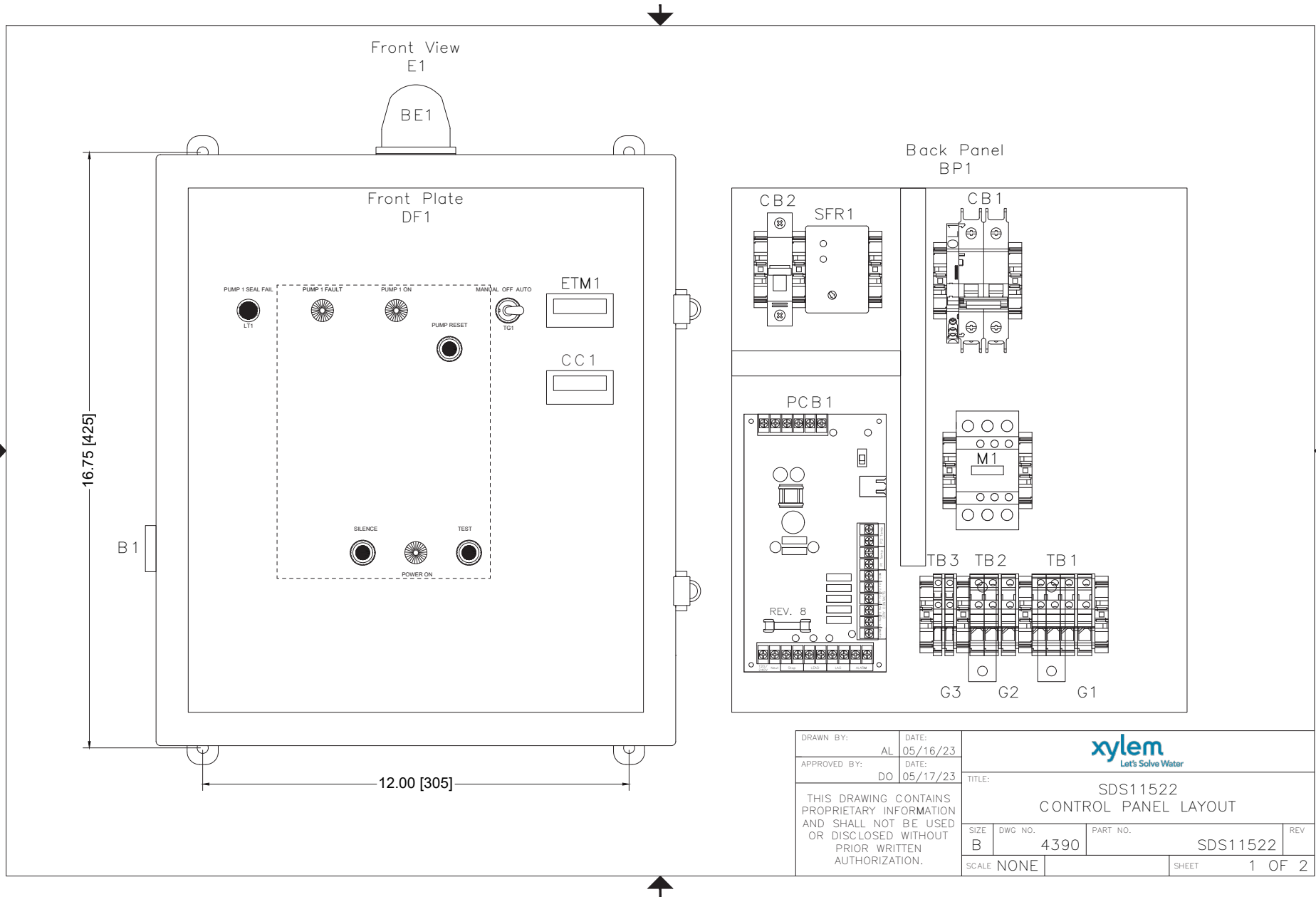
DRAWN BY: AL  
APPROVED BY: DO  
DATE: 05/16/23  
DATE: 05/17/23

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|                                            |                 |
|--------------------------------------------|-----------------|
| xylem<br>Let's Solve Water                 |                 |
| TITLE: SDS11522<br>CONTROL PANEL SCHEMATIC |                 |
| SIZE<br>B                                  | DWG NO.<br>4389 |
| SCALE<br>NONE                              | SHEET<br>2 OF 2 |

FNAME: SDS11522

REVDATE: 0523



|                                                                                                                       |    |       |          |                                                                                       |         |              |
|-----------------------------------------------------------------------------------------------------------------------|----|-------|----------|---------------------------------------------------------------------------------------|---------|--------------|
| DRAWN BY:                                                                                                             | AL | DATE: | 05/16/23 |  |         |              |
| APPROVED BY:                                                                                                          | DO | DATE: | 05/17/23 |                                                                                       |         |              |
| THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION. |    |       |          | TITLE:                                                                                |         |              |
|                                                                                                                       |    |       |          | SDS11522<br>CONTROL PANEL LAYOUT                                                      |         |              |
|                                                                                                                       |    |       |          | SIZE                                                                                  | DWG NO. | PART NO.     |
|                                                                                                                       |    |       |          | B                                                                                     | 4390    | SDS11522     |
|                                                                                                                       |    |       |          | SCALE                                                                                 | NONE    | SHEET 1 OF 2 |

CONTROL PANEL LAYOUT

FNAME: SDS11522

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    | M9 Circuit Breaker     | M9F42230         | CB1  |
| 1   | Schneider    | Side Mount Auxiliary   | M9A26924         | OL1  |

| QTY | MANUFACTURER    | DESCRIPTION                    | PART NUMBER    | REF.  |
|-----|-----------------|--------------------------------|----------------|-------|
| 1   | Schneider       | Contactor                      | LC1D25JL       | M1    |
| 1   | Schneider       | Circuit Breaker 3A 1 Pole      | B1E1C6         | CB2   |
| 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    |
| 5   | Phoenix Contact | Terminal Block UT-10           | 3044160        | TB1-2 |
| 2   | Phoenix Contact | Terminal Block UT-10-PE        | 3044173        | G1-2  |
| 11  | Phoenix Contact | End Stop                       | 3022218        | N/A   |
| 5   | Phoenix Contact | End Cover UT-2.5-10            | 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:    | 05/16/23 |  |         |
| APPROVED BY:                                                                                                          | DO   | DATE:    | 05/17/23 |                                                                                       |         |
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|                                                                                                                       |      |          |          | SDS11522                                                                              |         |
|                                                                                                                       |      |          |          | CONTROL PANEL LAYOUT                                                                  |         |
|                                                                                                                       |      |          |          | SIZE                                                                                  | DWG NO. |
| B                                                                                                                     | 4390 | SDS11522 |          |                                                                                       |         |
| SCALE                                                                                                                 |      | NONE     | SHEET    |                                                                                       | 2 OF 2  |



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