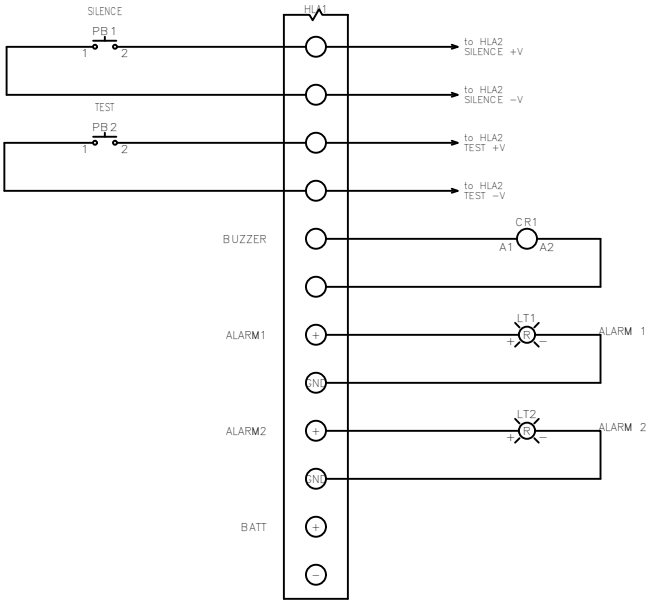
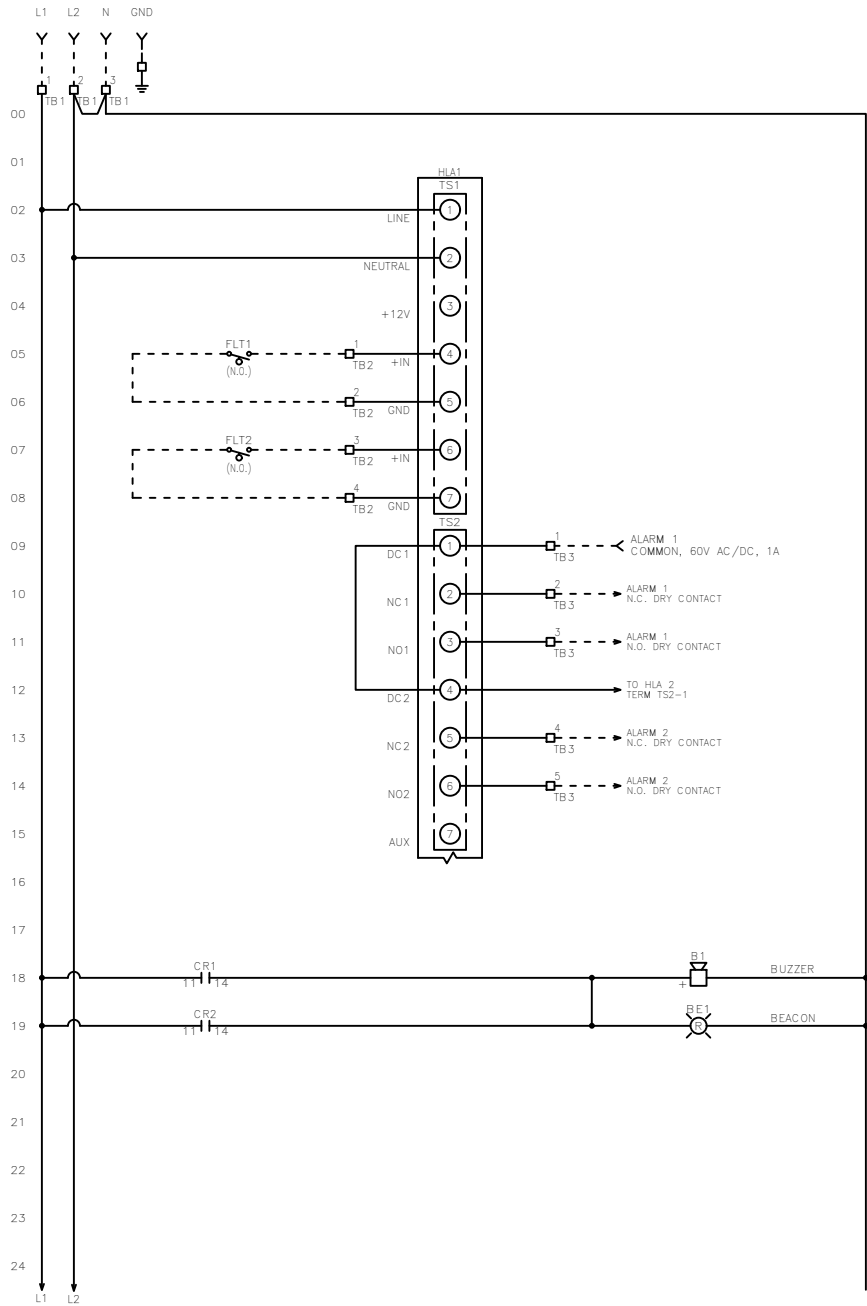


FNAME: HLA-4X-4

REVDATE: 0720

| REVISIONS |     |                         |         |          |
|-----------|-----|-------------------------|---------|----------|
| ZONE      | REV | DESCRIPTION             | DATE    | APPROVED |
|           | A   | VARIOUS UPDATES         | 8/28/17 |          |
|           | B   | UPDATED CONTENT         | 3/12/18 |          |
|           | C   | ADDITION OF L2 & JUMPER | 7/15/20 | JED      |



----- 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 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:                                                                                                                            | DATE:   |
| MM                                                                                                                                   | 4/30/16 |
| APPROVED BY:                                                                                                                         | DATE:   |
| KM                                                                                                                                   | 4/30/16 |
| THIS DRAWING CONTAINS<br>PROPRIETARY INFORMATION<br>AND SHALL NOT BE USED<br>OR DISCLOSED WITHOUT<br>PRIOR WRITTEN<br>AUTHORIZATION. |         |

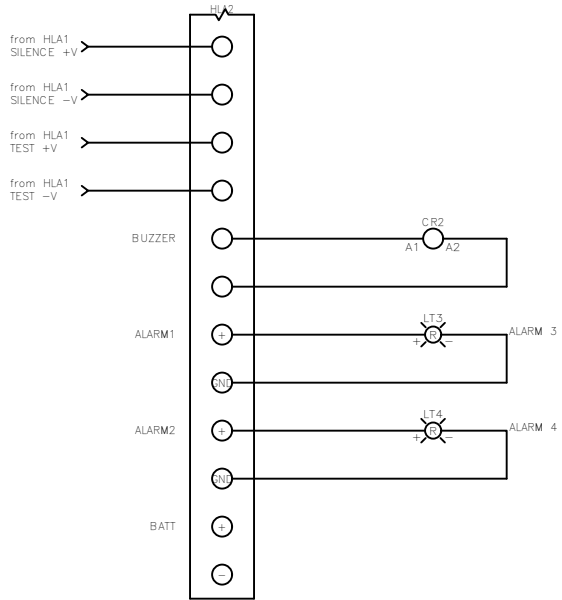
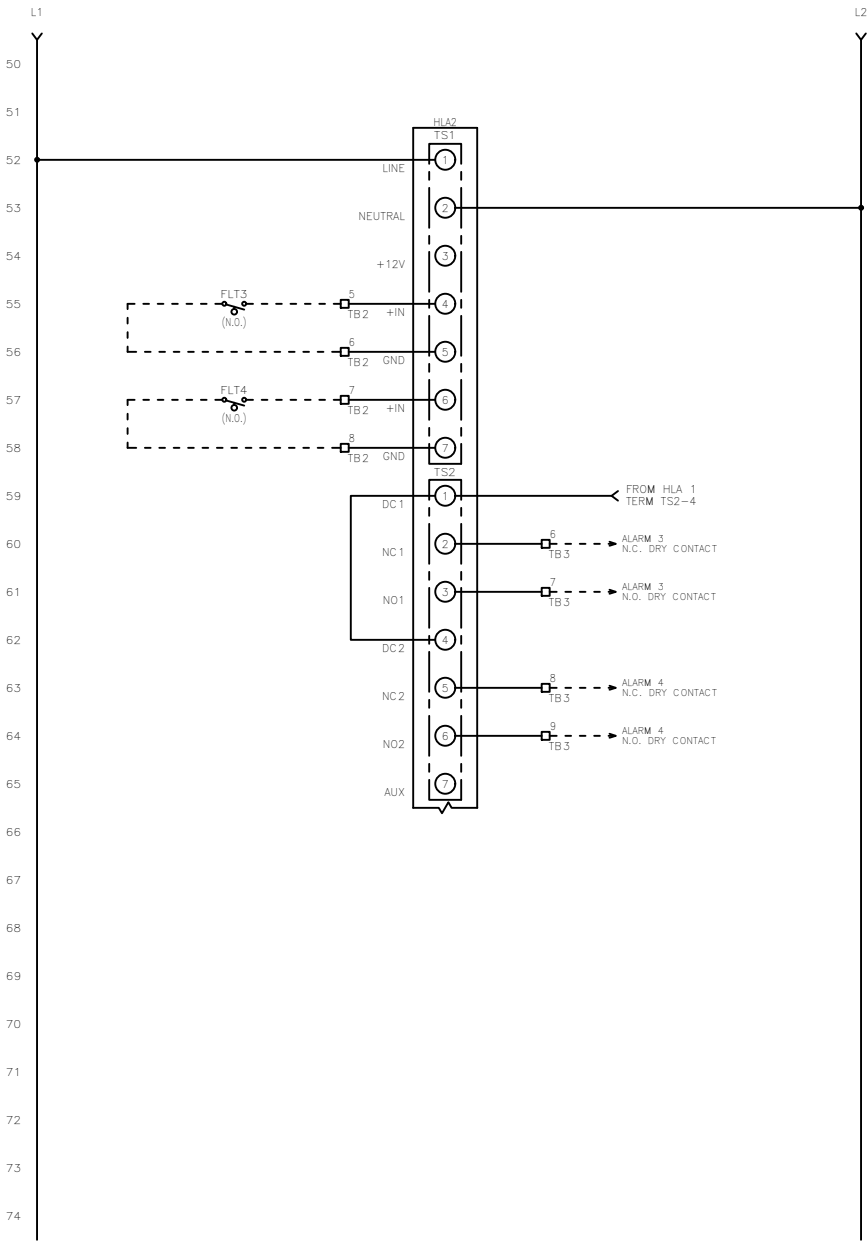
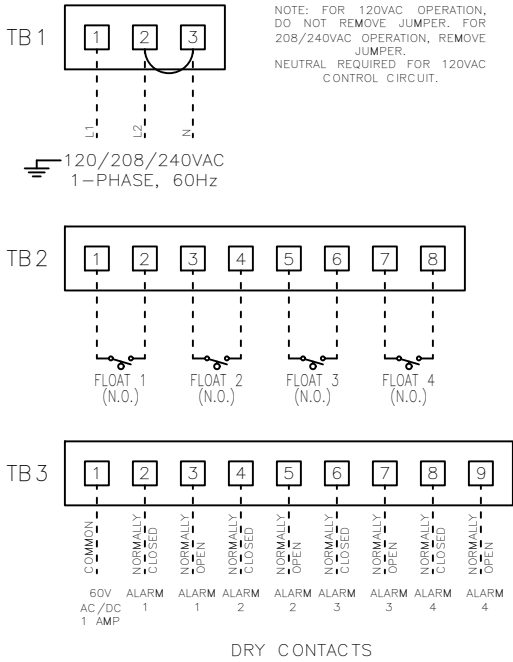
|                                                                                       |         |          |        |  |
|---------------------------------------------------------------------------------------|---------|----------|--------|--|
|  |         |          |        |  |
| TITLE: HLA-4X-4<br>CONTROL SCHEMATIC                                                  |         |          |        |  |
| SIZE                                                                                  | DWG NO. | PART NO. | REV    |  |
| B                                                                                     | 1585    | HLA-4X-4 | C      |  |
| SCALE                                                                                 | NONE    | SHEET    | 1 OF 2 |  |

FNAME: HLA-4X-4

REVDATE: 0720

| REVISIONS |     |                         |         |          |
|-----------|-----|-------------------------|---------|----------|
| ZONE      | REV | DESCRIPTION             | DATE    | APPROVED |
|           | A   | VARIOUS UPDATES         | 8/28/17 |          |
|           | B   | UPDATED CONTENT         | 3/12/18 |          |
|           | C   | ADDITION OF L2 & JUMPER | 7/15/20 | JED      |

FIELD WIRING CONNECTIONS



----- 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   | MM                                                                                                                                   | 4/30/16 | TITLE:<br><br>HLA-4X-4<br>CONTROL SCHEMATIC                                           |       |      |          |          |        |
| TERMINAL BLOCK UT 4        | 7 IN-LB   | APPROVED BY:                                                                                                                         | DATE:   |                                                                                       |       |      |          |          |        |
| TERMINAL BLOCK UT 6        | 15 IN-LB  | THIS DRAWING CONTAINS<br>PROPRIETARY INFORMATION<br>AND SHALL NOT BE USED<br>OR DISCLOSED WITHOUT<br>PRIOR WRITTEN<br>AUTHORIZATION. | KM      | 4/30/16                                                                               | SIZE  |      | DWG NO.  | PART NO. | REV    |
| TERMINAL BLOCK UT 10       | 15 IN-LB  |                                                                                                                                      |         |                                                                                       | B     | 1585 | HLA-4X-4 |          | C      |
| TERMINAL BLOCK UT 16       | 25 IN-LB  |                                                                                                                                      |         |                                                                                       | SCALE | NONE |          |          | SHEET  |
| TERMINAL BLOCK UT 35       | 30 IN-LB  |                                                                                                                                      |         |                                                                                       |       |      |          |          | 2 OF 2 |
| 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 |                                                                                                                                      |         |                                                                                       |       |      |          |          |        |