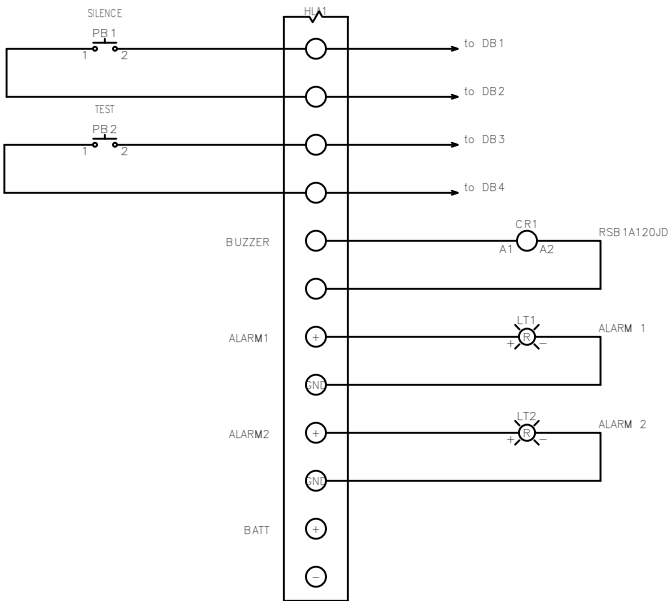
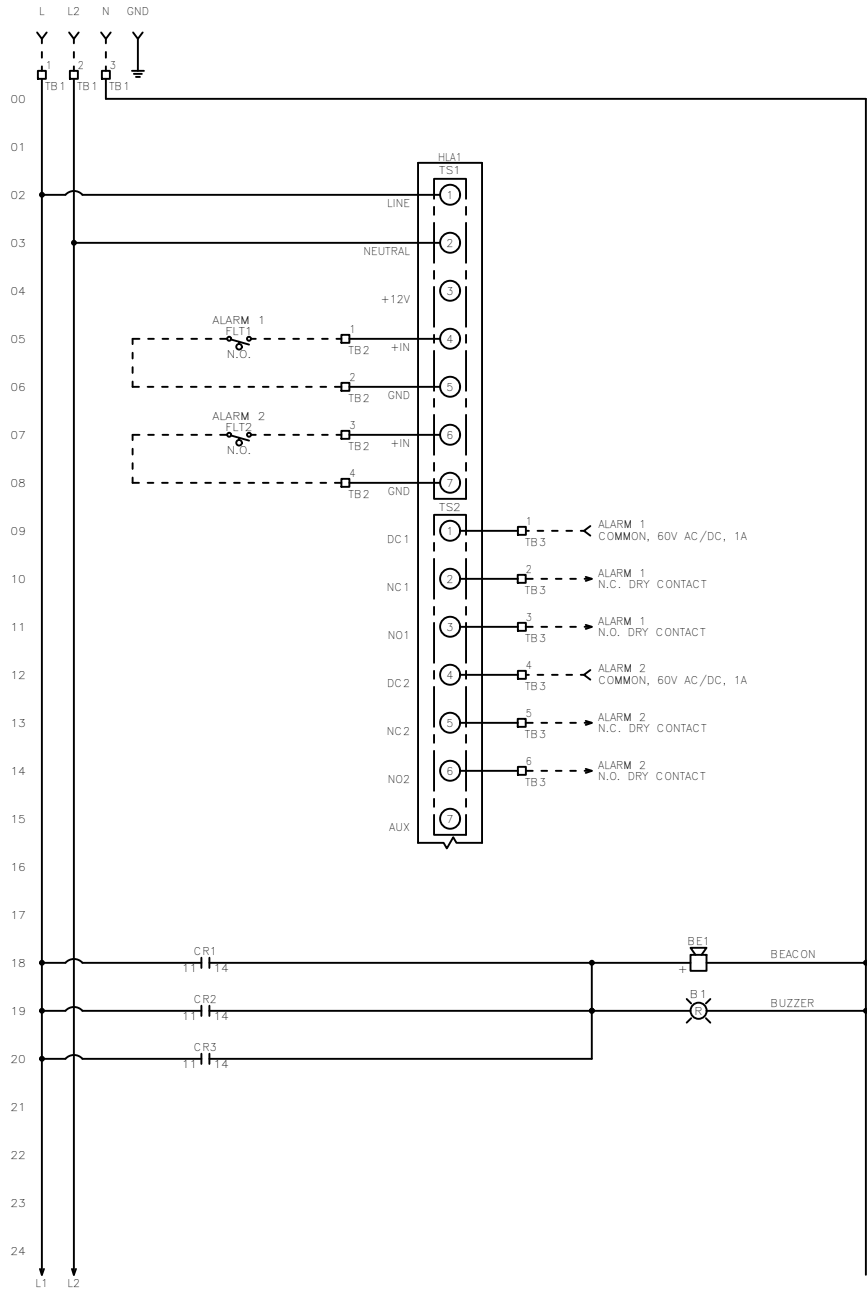


FNAME: HLA-4X-6

REVDATE: 0520

| REVISIONS |     |                          |         |          |
|-----------|-----|--------------------------|---------|----------|
| ZONE      | REV | DESCRIPTION              | DATE    | APPROVED |
|           | A   | VARIOUS UPDATES          | 8/28/17 |          |
|           | B   | UPDATED CONTENT          | 3/12/18 |          |
|           | C   | UPDATED TITLE BLOCK      | 5/29/20 | AO       |
|           | D   | ADDED DISTRIBUTION BLOCK | 5/19/22 | AL       |



----- 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  |
| M.D. VLS3P16-63 R1         | 16 IN-LB  |
| M.D. VLS3P63-125 R1        | 45 IN-LB  |
| M.D. LK4JU3CN 100A         | 36 IN-LB  |
| M.D. LK4MU3N 200A          | 200 IN-LB |

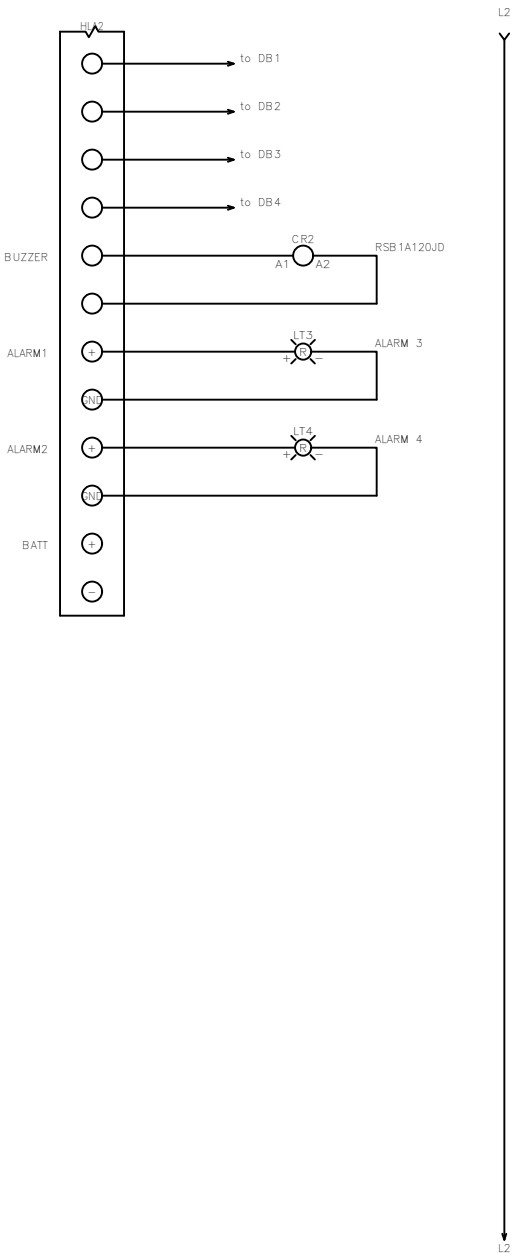
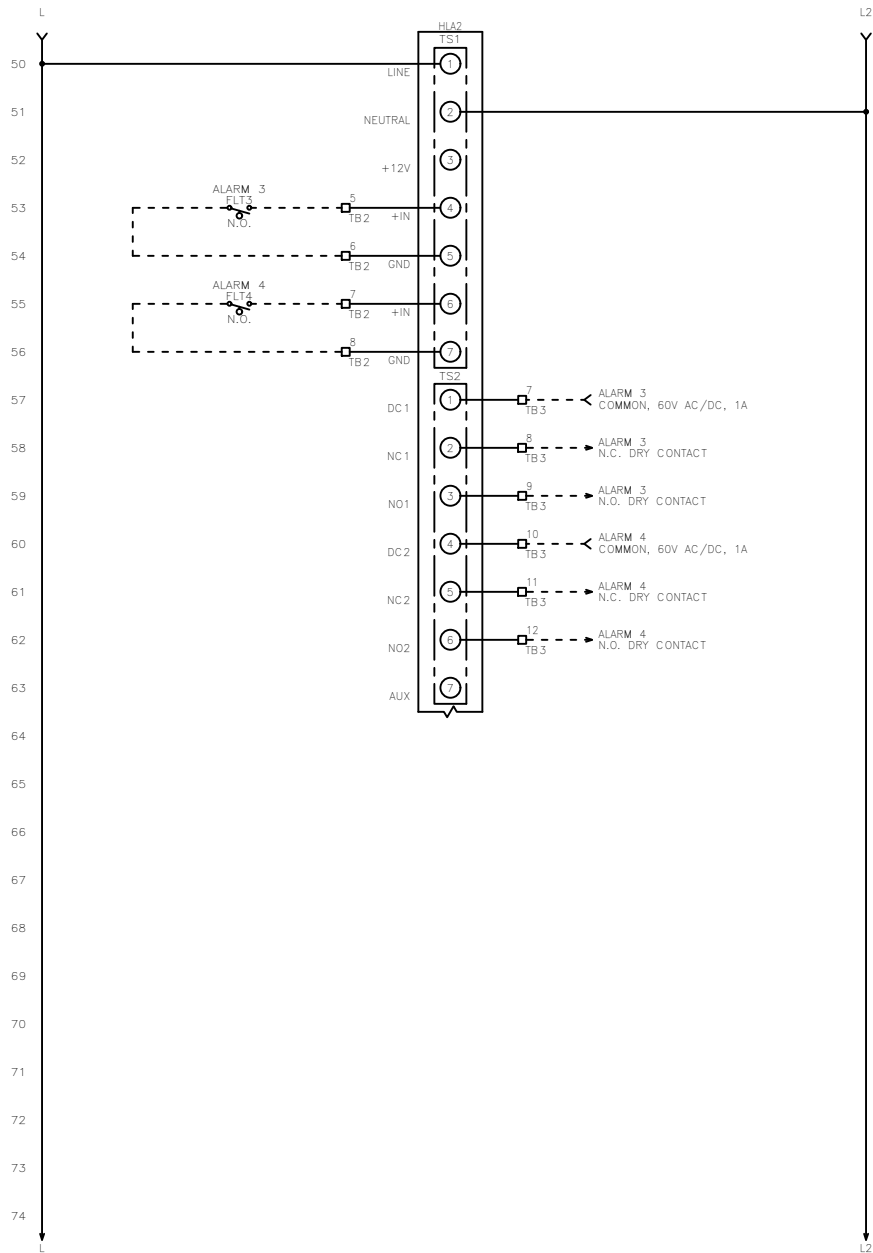
DRAWN BY: MM  
APPROVED BY:  
DATE: 7/18/16  
DATE:  
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.

|                                                                                       |              |                   |         |      |
|---------------------------------------------------------------------------------------|--------------|-------------------|---------|------|
|  |              |                   |         |      |
| TITLE: HLA-4X-6 CONTROL SCHEMATIC                                                     |              |                   |         |      |
| SIZE B                                                                                | DWG NO. 1590 | PART NO. HLA-4X-6 | REV D   |      |
| SCALE NONE                                                                            |              |                   | SHEET 1 | OF 3 |

FNAME: HLA-4X-6

REVDATE: 0520

| REVISIONS |     |                          |         |          |
|-----------|-----|--------------------------|---------|----------|
| ZONE      | REV | DESCRIPTION              | DATE    | APPROVED |
|           | A   | VARIOUS UPDATES          | 8/28/17 |          |
|           | B   | UPDATED CONTENT          | 3/12/18 |          |
|           | C   | UPDATED TITLE BLOCK      | 5/29/20 | AO       |
|           | D   | ADDED DISTRIBUTION BLOCK | 5/19/22 | AL       |



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INSTALLER: MUST BE SIZED ACCORDING TO PUMP/MOTOR  
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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  |
| M.D. VLS3P16-63 R1         | 16 IN-LB  |
| M.D. VLS3P63-125 R1        | 45 IN-LB  |
| M.D. LK4JU3CN 100A         | 36 IN-LB  |
| M.D. LK4MU3N 200A          | 200 IN-LB |

DRAWN BY:

MM

DATE:

7/18/16

APPROVED BY:

DATE:

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



TITLE:

HLA-4X-6  
CONTROL SCHEMATIC

SIZE  
B

DWG NO.

1590

PART NO.

HLA-4X-6

REV  
C

SCALE NONE

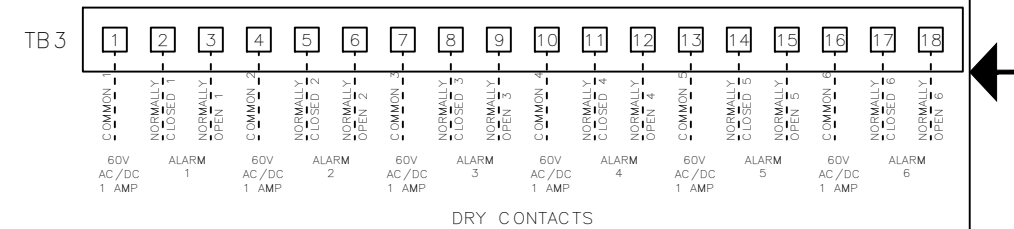
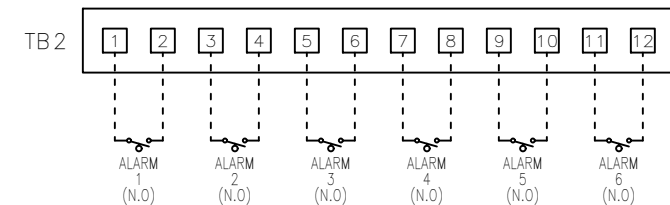
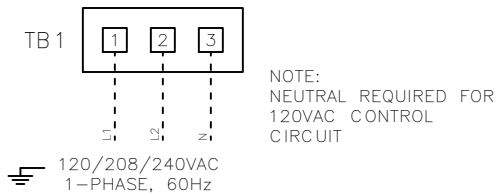
SHEET

2 OF 3

REVDATE: 0520



VERIFY CORRECT OPERATION OF CONTROL PANEL AFTER  
INSTALLATION IS COMPLETE.



|                            |           |                                                                                                                                      |                  |                                             |                      |          |  |
|----------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------|----------------------|----------|--|
| FIELD WIRING TORQUE SPECS. |           | DRAWN BY:<br><br>MM                                                                                                                  | DATE:<br>7/18/16 | <div>SEE WATER inc.</div>                   |                      |          |  |
| TERMINAL BLOCK UT 2,5      | 5 IN-LB   |                                                                                                                                      |                  |                                             |                      |          |  |
| TERMINAL BLOCK UT 4        | 7 IN-LB   | THIS DRAWING CONTAINS<br>PROPRIETARY INFORMATION<br>AND SHALL NOT BE USED<br>OR DISCLOSED WITHOUT<br>PRIOR WRITTEN<br>AUTHORIZATION. |                  | TITLE:<br><br>HLA-4X-6<br>CONTROL 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  |                                                                                                                                      |                  |                                             |                      |          |  |
| M.D. VLS3P16-63 R1         | 16 IN-LB  |                                                                                                                                      |                  |                                             |                      |          |  |
| M.D. VLS3P63-125 R1        | 45 IN-LB  |                                                                                                                                      |                  |                                             |                      |          |  |
| M.D. LK4JU3CN 100A         | 36 IN-LB  | SIZE<br>B                                                                                                                            |                  | DWG NO.<br>1590                             | PART NO.<br>HLA-4X-6 | REV<br>C |  |
| M.D. LK4MU3N 200A          | 200 IN-LB | SCALE<br>NONE                                                                                                                        |                  | SHEET<br>3 OF 3                             |                      |          |  |