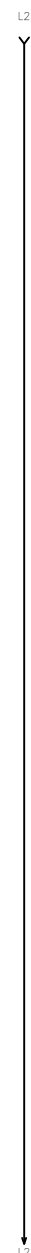


REVDATE: 0220



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	UPDATED CONTENT	8/28/17	
	B	UPDATED TB 1	2/4/20	AO

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:	DATE:
MM	7/23/16
APPROVED BY:	DATE:
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.	



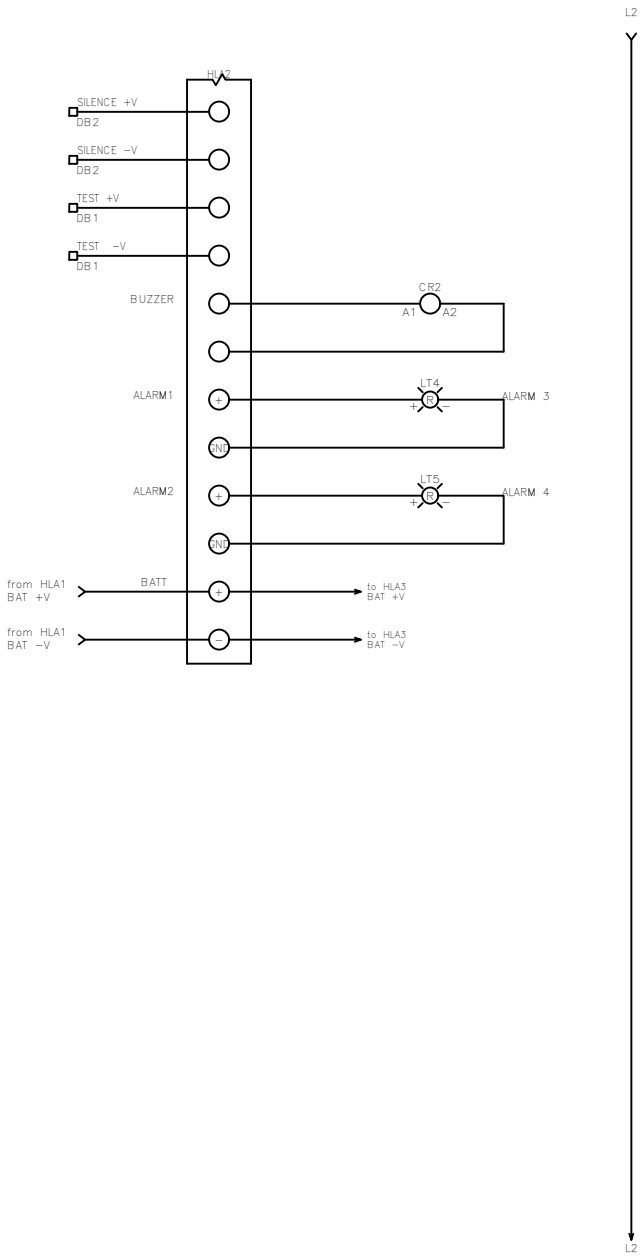
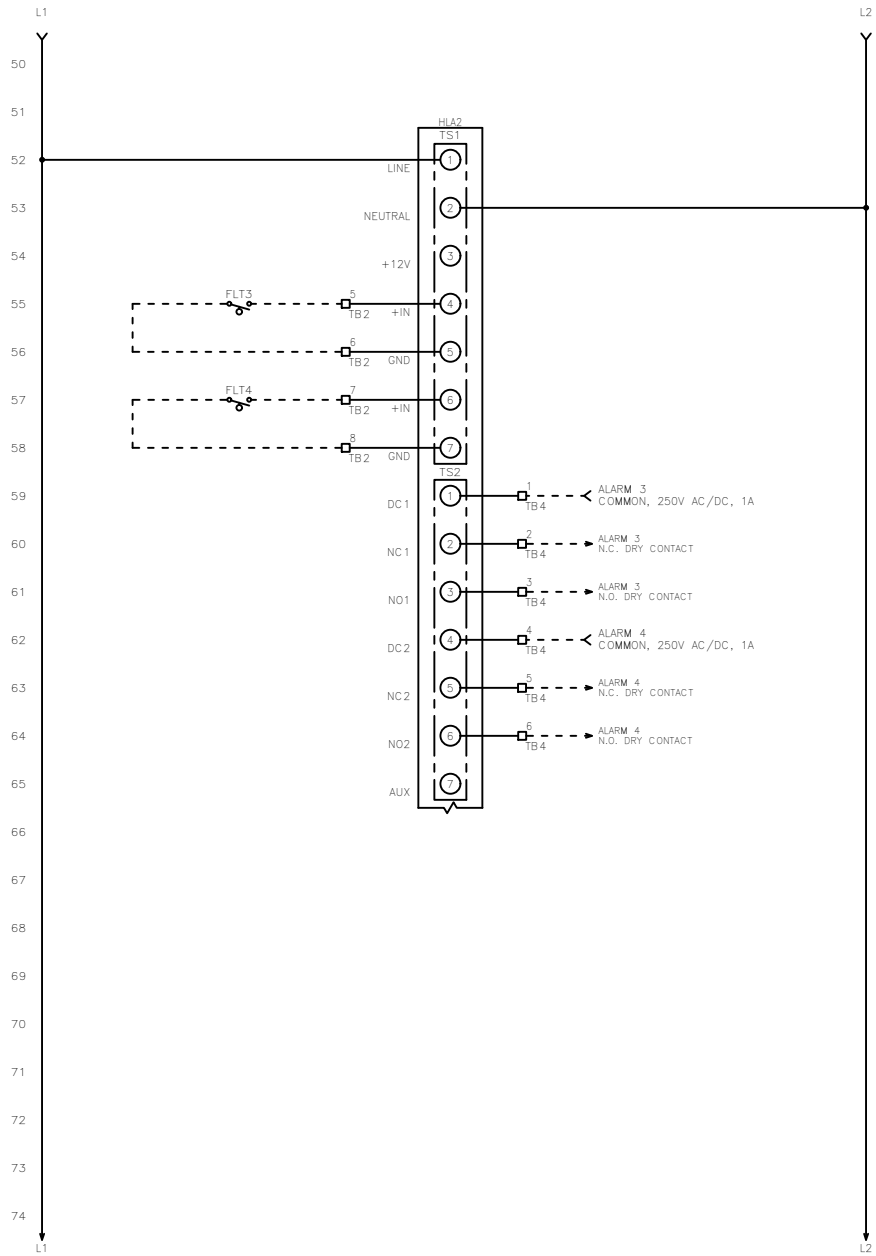
TITLE:	HLA-4X-8 CONTROL SCHEMATIC
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SIZE B	DWG NO. 1594	PART NO. HLA-4X-8		REV B
SCALE NONE		SHEET 1 OF 4		

FNAME: HLA-4X-8

REVDATE: 0220

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	UPDATED CONTENT	8/28/17	
	B	UPDATED TB 1	2/4/20	AO



----- DASHED LINE INDICATES FIELD WIRING.

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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: 7/23/16

APPROVED BY:

DATE:

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TITLE:

HLA-4X-8
CONTROL SCHEMATIC

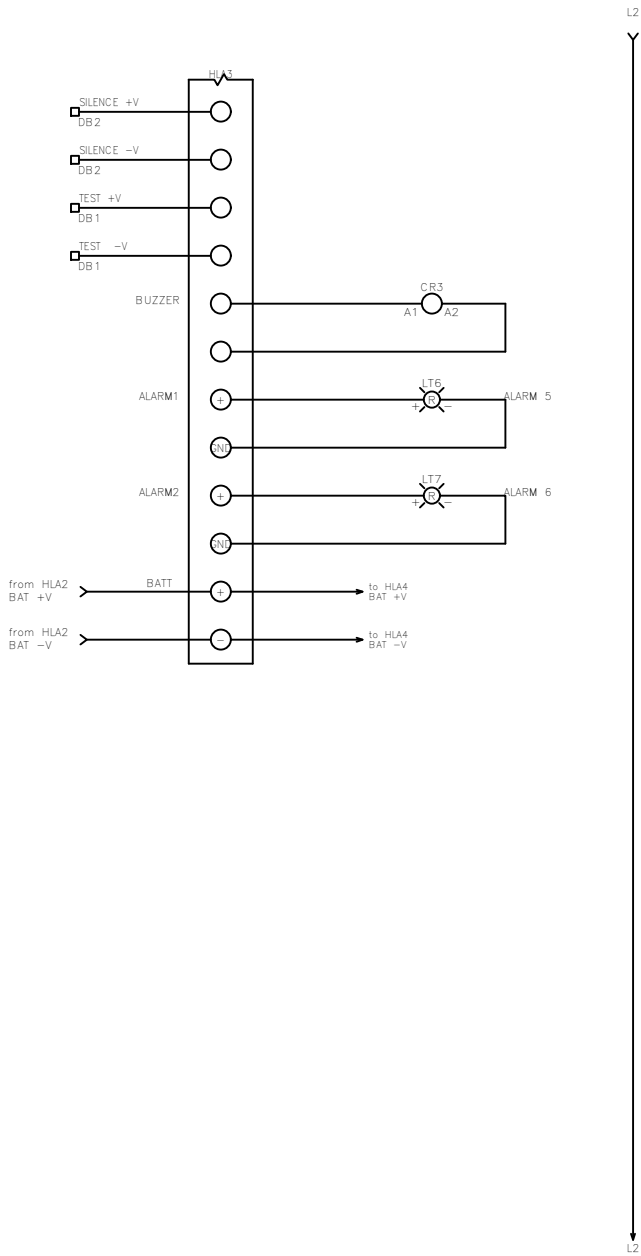
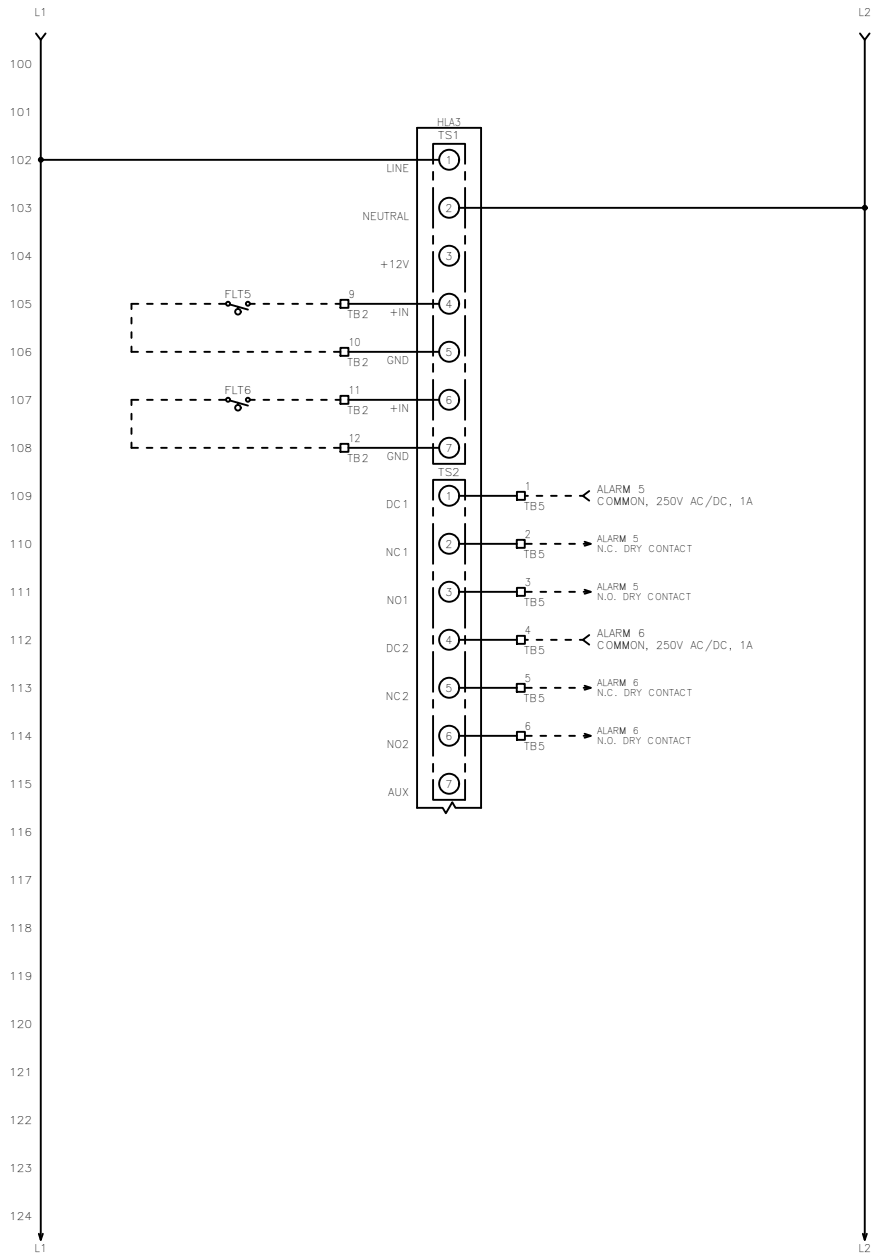
SIZE	DWG NO.	PART NO.	REV
B	1594	HLA-4X-8	B

SCALE	NONE	SHEET	2 OF 4
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FNAME: HLA-4X-8

REVDATE: 0220

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	UPDATED CONTENT	8/28/17	
	B	UPDATED TB 1	2/4/20	AO



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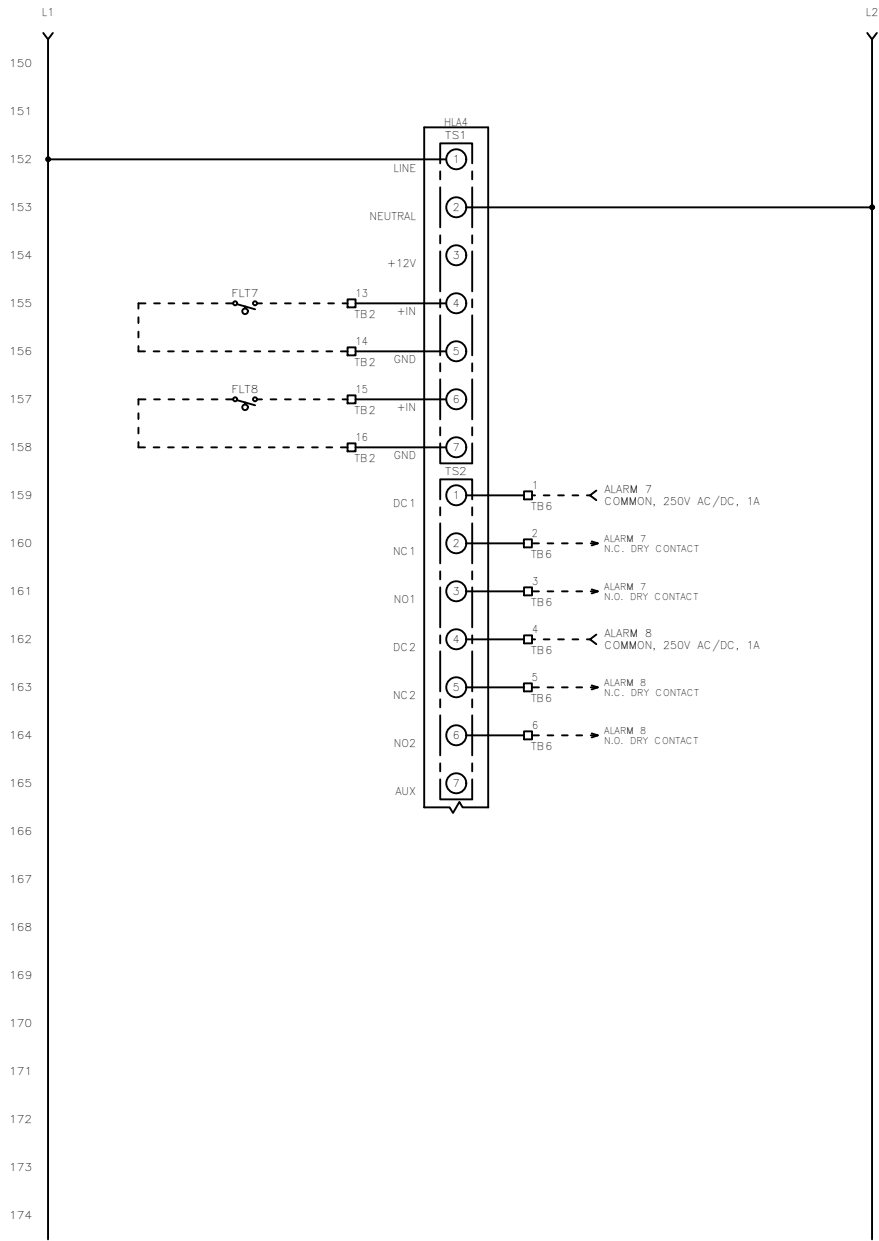
VERIFY CORRECT OPERATION OF CONTROL PANEL AFTER
INSTALLATION IS COMPLETE.

FIELD WIRING TORQUE SPECS.		DRAWN BY:	DATE:						
TERMINAL BLOCK UT 2,5	5 IN-LB	MM	7/23/16	TITLE: HLA-4X-8 CONTROL SCHEMATIC					
TERMINAL BLOCK UT 4	7 IN-LB	APPROVED BY:	DATE:						
TERMINAL BLOCK UT 6	15 IN-LB	THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.		SIZE	DWG NO.	PART NO.	REV		
TERMINAL BLOCK UT 10	15 IN-LB			B	1594	HLA-4X-8	B		
TERMINAL BLOCK UT 16	25 IN-LB			SCALE		NONE	SHEET		3 OF 4
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								

FNAME: HLA-4X-8

REVDATE: 0220

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	UPDATED CONTENT	8/28/17	
	B	UPDATED TB 1	2/4/20	AO



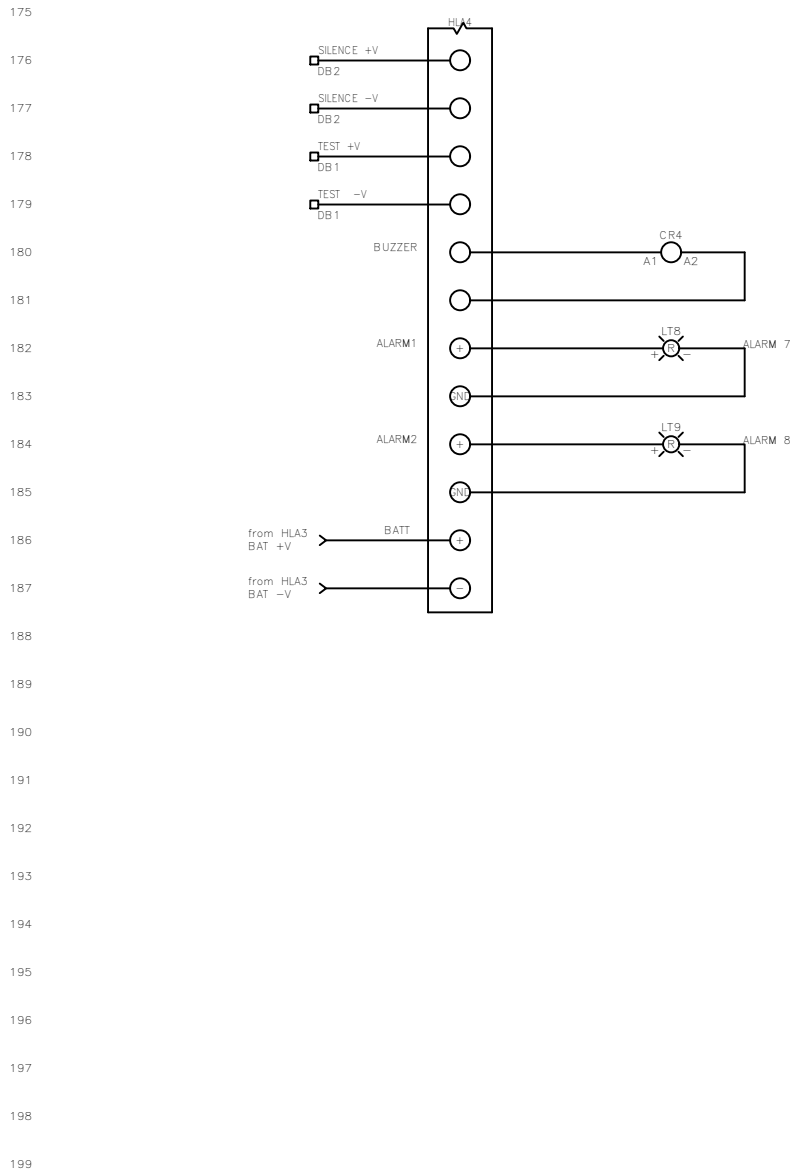
----- DASHED LINE INDICATES
FIELD WIRING.

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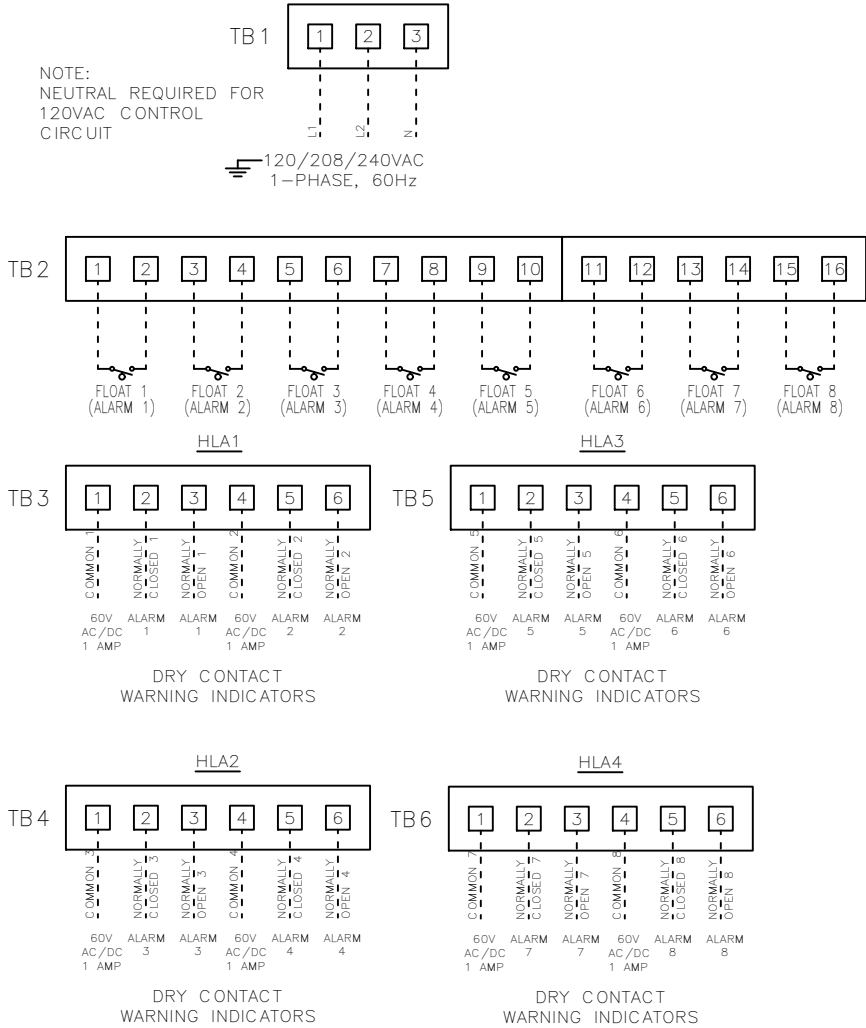
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VERIFY CORRECT OPERATION OF CONTROL PANEL AFTER
INSTALLATION IS COMPLETE.



FIELD WIRING CONNECTIONS



FIELD WIRING TORQUE SPECS.		DRAWN BY:	DATE:		
TERMINAL BLOCK UT 2,5	5 IN-LB	MM	7/23/16		
TERMINAL BLOCK UT 4	7 IN-LB	APPROVED BY:	DATE:	TITLE:	
TERMINAL BLOCK UT 6	15 IN-LB	THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.		HLA-4X-8 CONTROL SCHEMATIC	
TERMINAL BLOCK UT 10	15 IN-LB			SIZE	DWG NO.
TERMINAL BLOCK UT 16	25 IN-LB			B	1594
TERMINAL BLOCK UT 35	30 IN-LB			SCALE	NONE
TS1, TS2, J2 & J3 PCB	5 IN-LB			PART NO.	
TRANSFORMER H1F, H2F & H3F	15 IN-LB			HLA-4X-8	
TRANSFORMER H1, H2 & H3	10 IN-LB			REV	B
M.D. VLS3P16-63 R1	16 IN-LB			SHEET	
M.D. VLS3P63-125 R1	45 IN-LB			4 OF 4	
M.D. LK4JU3CN 100A	36 IN-LB				
M.D. LK4MU3N 200A	200 IN-LB				