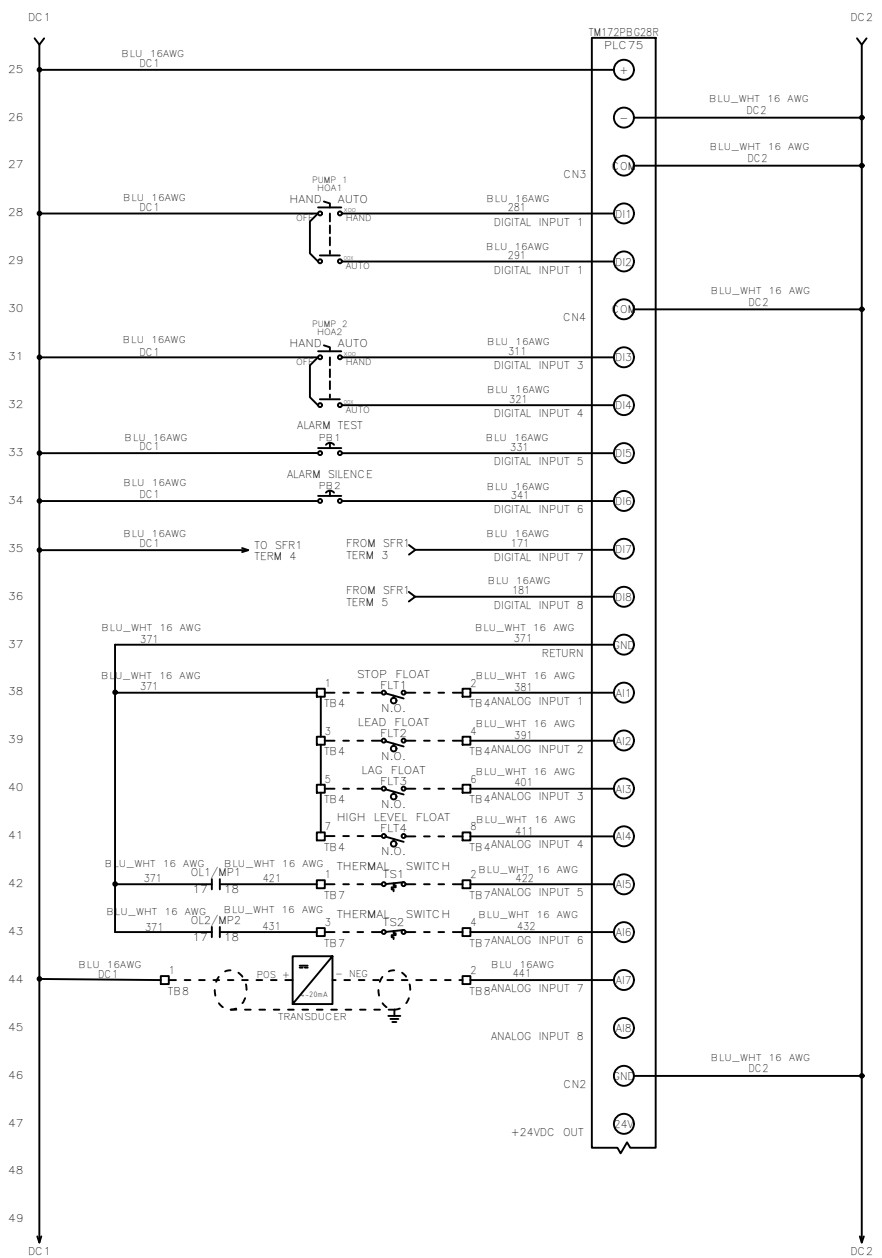
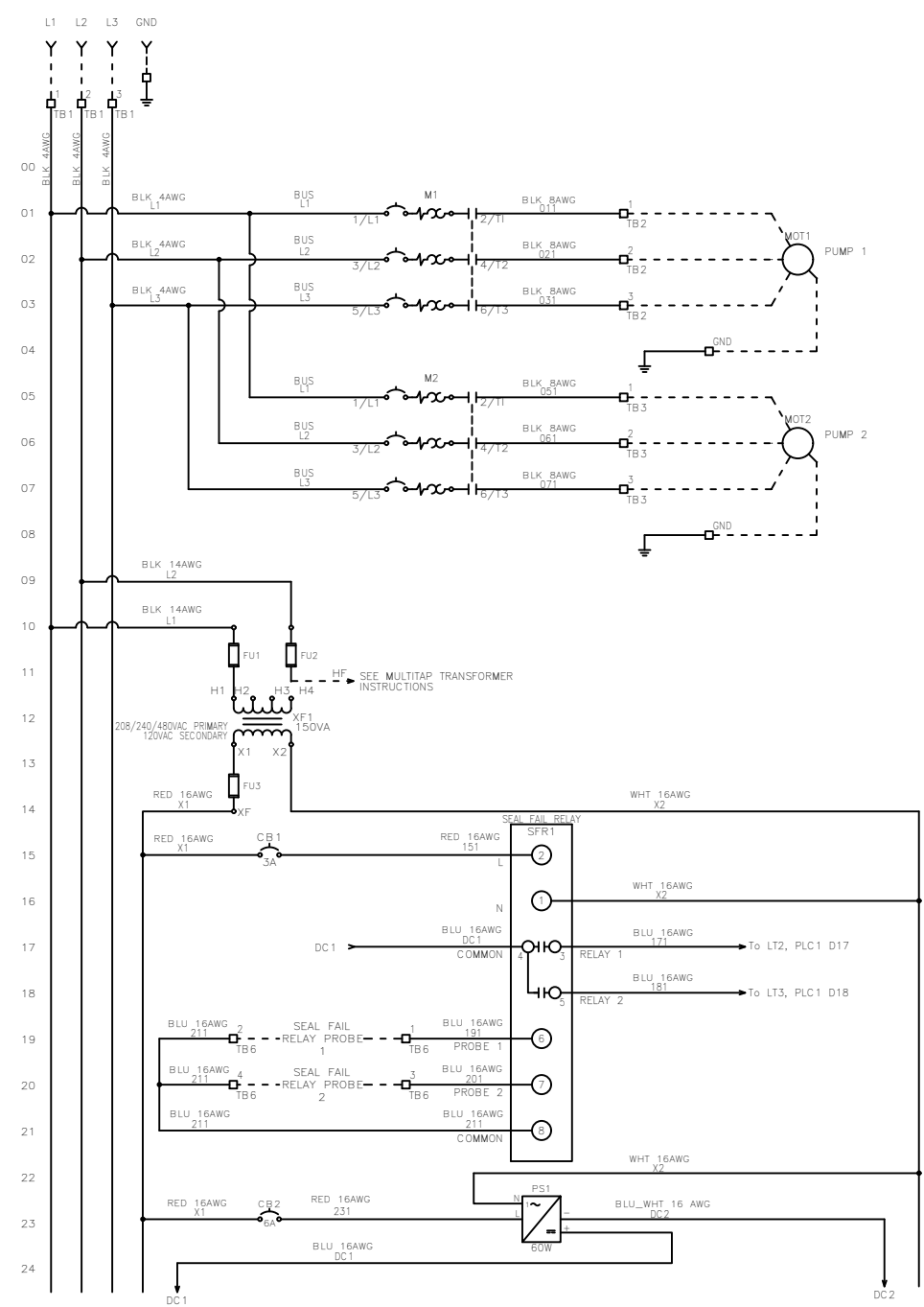


FILENAME: TRD-T33

REVDATE: 0322

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	UPDATED WIRE NUMBERS	3/21/22	IF



**MULTI-TAP TRANSFORMER:**

CONNECT FACTORY TAGGED WIRES TO APPROPRIATE TRANSFORMER VOLTAGE TAP. SEE BELOW FOR CONNECTIONS:

FOR 208V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H2.

FOR 240V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H3.

FOR 480V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H4.

----- 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 VLS3P63-125 R2	45 IN-LB
DS1 LK4JU3CN 100A	36 IN-LB
DS1 LK4MU3N 200A	200 IN-LB
M1/ M2 T1, T2 & T3	15 IN-LB

UL #:	E320866
TOTAL FLA:	66 A
LARGEST MOT. FLA	32 A
VOLTAGE:	208/240/480 VAC
PHASE:	3 PH
FREQUENCY:	60 Hz
ENCLOSURE TYPE:	NEMA 3R
SHORT CIRCUIT CURRENT:	5KA RMS SYMMETRICAL 600V MAXIMUM

DRAWN BY:	JED	DATE:	8/28/20
APPROVED BY:	KM	DATE:	8/28/20
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION.			

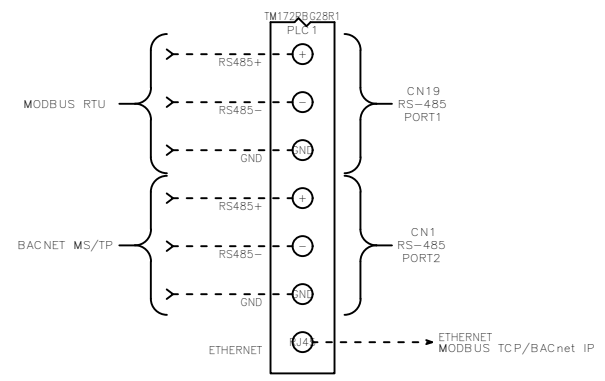
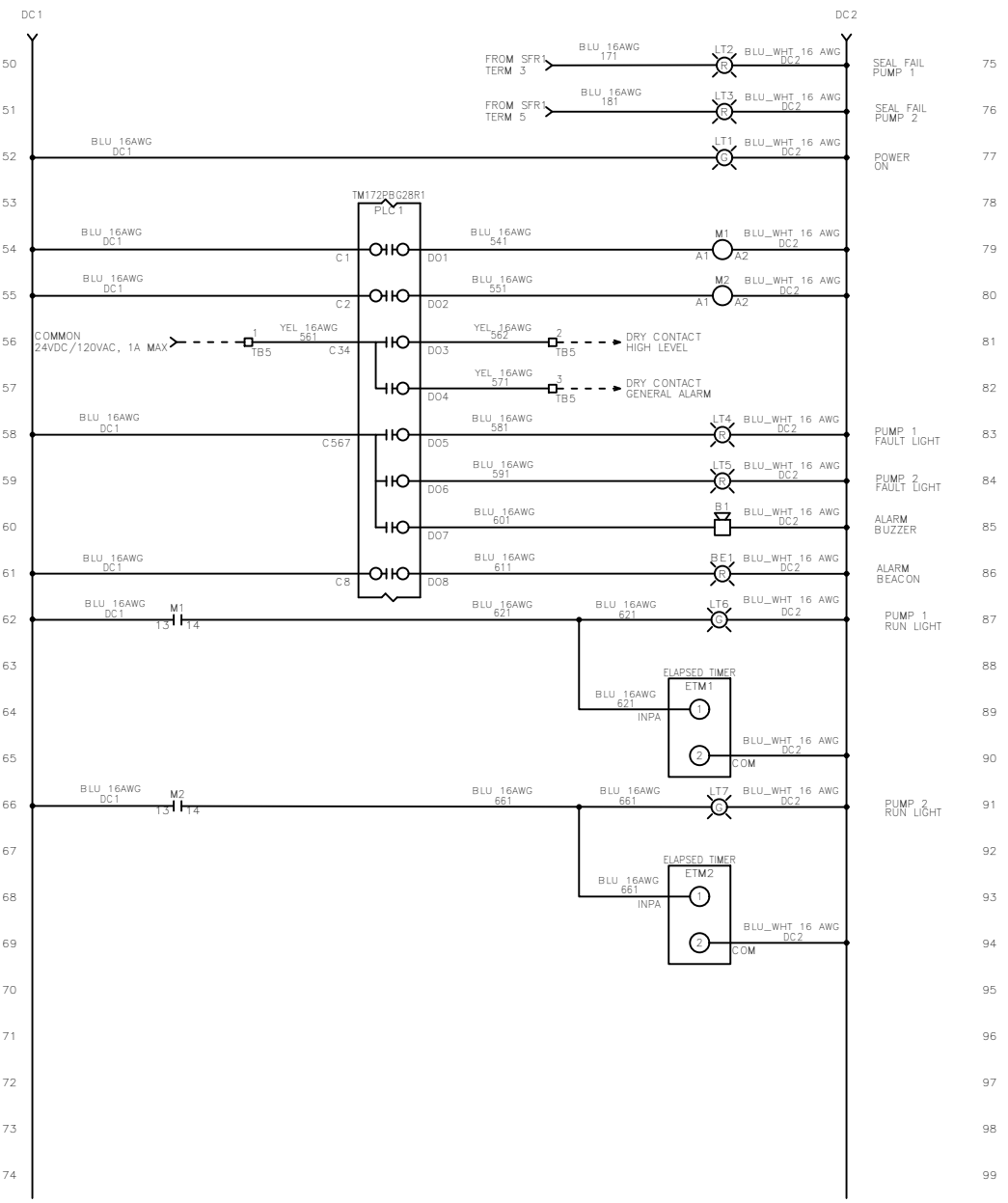


TITLE: TRD-T33 SCHEMATIC			
SIZE	DWG NO.	PART NO.	REV
B	1838		TRD-T33 B
SCALE	NONE	SHEET	1 OF 2

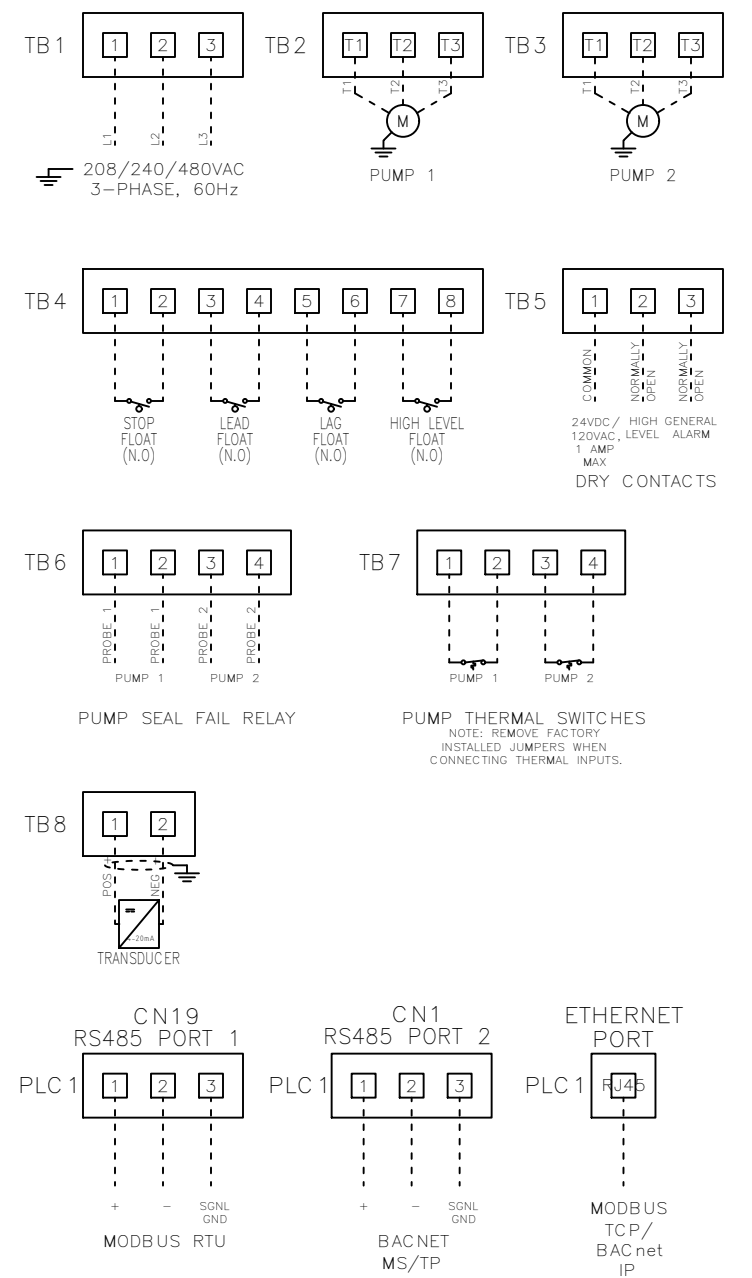
FNAME: TRD-T33

REVDATE: 0322

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	B	UPDATED WIRE NUMBERS	3/21/22	IF



**FIELD WIRING CONNECTIONS**



**MULTI-TAP TRANSFORMER:**  
 CONNECT FACTORY TAGGED WIRES TO APPROPRIATE TRANSFORMER VOLTAGE TAP. SEE BELOW FOR CONNECTIONS:  
 FOR 208V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H2.  
 FOR 240V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H3.  
 FOR 480V OPERATION, CONNECT TO FUSE INPUT HF & TO TRANSFORMER TAP H4.

----- 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.		UL #:	DRAWN BY:	DATE:
TERMINAL BLOCK UT 2,5	5 IN-LB	E320866	JED	8/28/20
TERMINAL BLOCK UT 4	7 IN-LB			
TERMINAL BLOCK UT 6	15 IN-LB	TOTAL FLA:	APPROVED BY:	DATE:
TERMINAL BLOCK UT 10	15 IN-LB	66 A	KM	8/28/20
TERMINAL BLOCK UT 16	25 IN-LB	LARGEST MOT. FLA		
TERMINAL BLOCK UT 35	30 IN-LB	32 A		
TS1, TS2, J2 & J3 PCB	5 IN-LB	VOLTAGE:	PHASE:	
TRANSFORMER H1F, H2F & H3F	15 IN-LB	208/240/480 VAC	3 PH	
TRANSFORMER H1, H2 & H3	10 IN-LB	FREQUENCY:	ENCLOSURE TYPE:	
DS1 VLS3P63-125 R2	45 IN-LB	60 Hz	NEMA 3R	
DS1 LK4JU3CN 100A	36 IN-LB	SHORT CIRCUIT CURRENT:		
DS1 LK4MU3N 200A	200 IN-LB	5KA RMS SYMMETRICAL		
M1/ M2 T1, T2 & T3	15 IN-LB	600V MAXIMUM		

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TITLE: TRD-T33 SCHEMATIC				
SIZE	DWG NO.	PART NO.	REV	
B	1838		TRD-T33	B
SCALE	NONE	SHEET		2 OF 2