



MELLIS CORPORATION

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Mr. Pucci

S/02

July 29, 1986

Van Marshburn
c/o Resident Engineers Office
Building 1005
Marine Corps Base
Camp Lejeune, NC 28542

Subject: Our Job #85-1589
Sludge Settling & Recycling System
Pump & Lighting Co. REF#49007-12D

Gentlemen:

Recently we contacted you during a visit at Camp Lejeune at which time we investigated the new Limitorque Sluice Gate controls and connected up our panel to operate in conjunction with those controls. We found taking the right hand set of wires in the control cabinet as you face the control cabinet that we would call this Sluice Gate #1. Wires 1, 2, & 3 in that bundle are not connected but should be the 460 volt, 3 phase line going out and tying to the incoming line on the Sluice Gate. We also believe that a disconnect switch should be made available for this particular line at the entrance into the limitorque as well as the disconnect from the supply within the building.

Wire #4 we have connected within our panel, as you note, and it should go to the CL1 terminal on the terminal block in the limitorque.

Wire #6 should go to terminal #4 in the limitorque and it is hooked up in the control panel. Wire #7 should go to position #8 on the terminal block in the limitorque. Wire #5 should go to position CL2 in the limitorque. We have all of the wires connected within our panel as shown in very rough sketch on the limitorque wiring diagram. We are in the process of refining this drawing but thought you might want to get this in your hands as soon as possible for a future field connection in the event you put it in within the next few days.

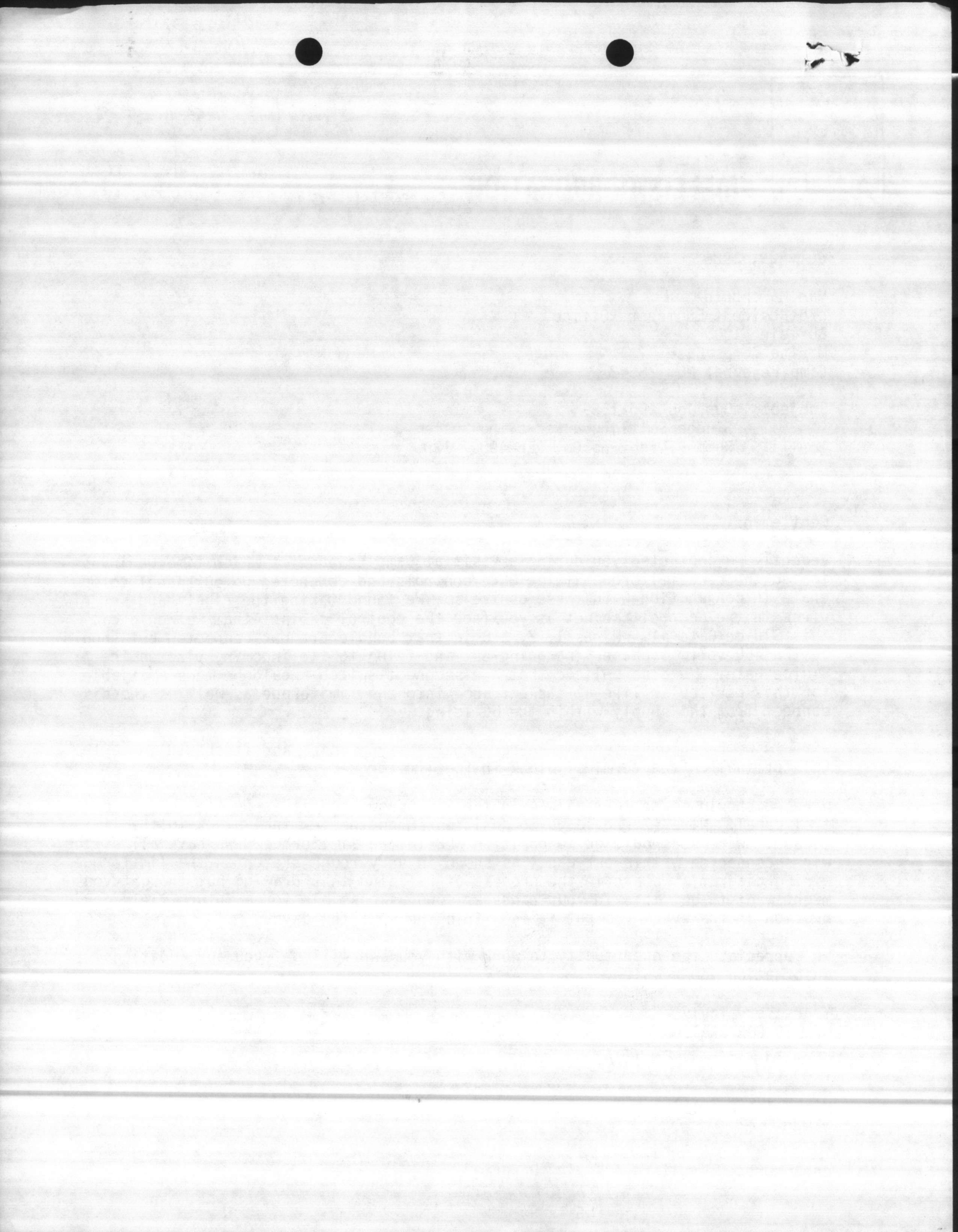
We appreciate the opportunity to work with you and will get you any additional information you require.

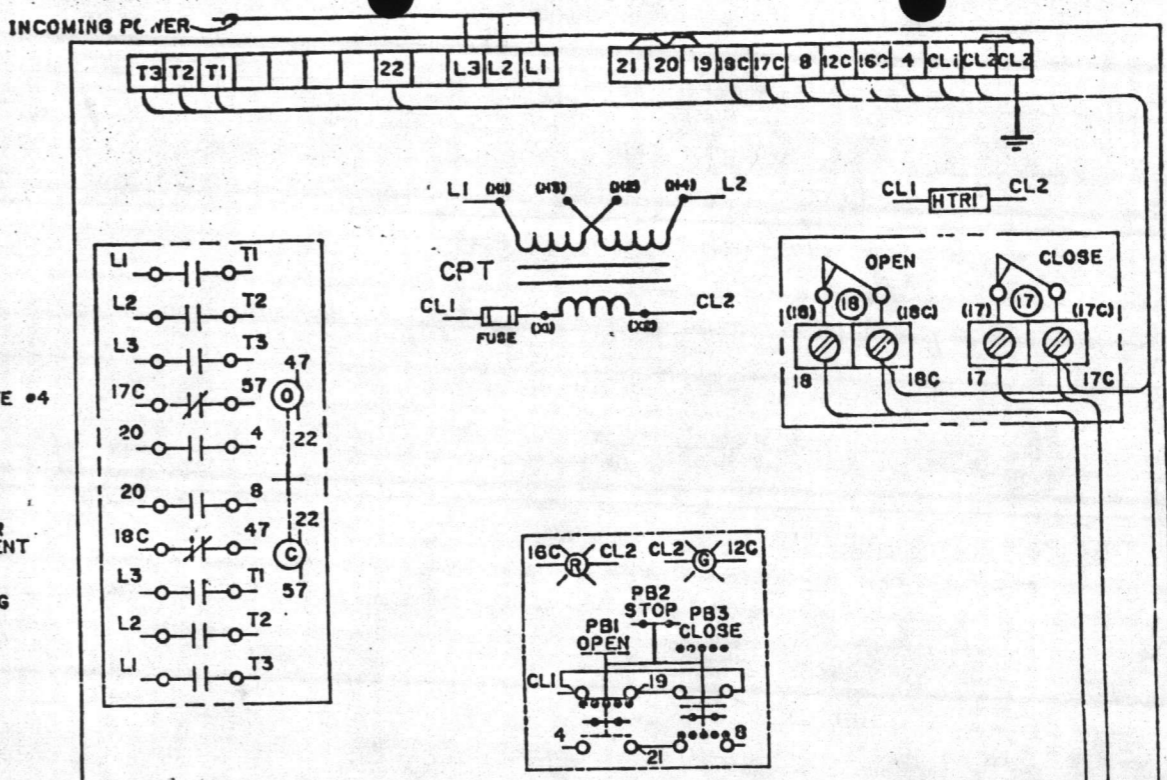
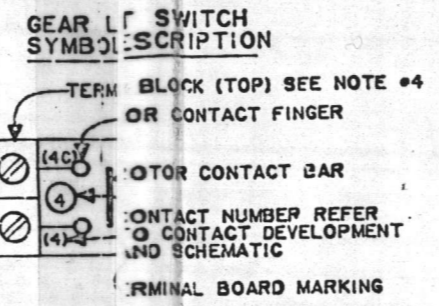
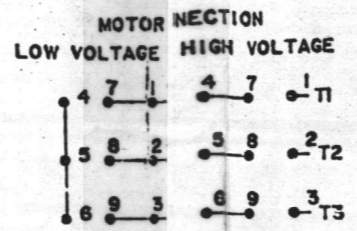
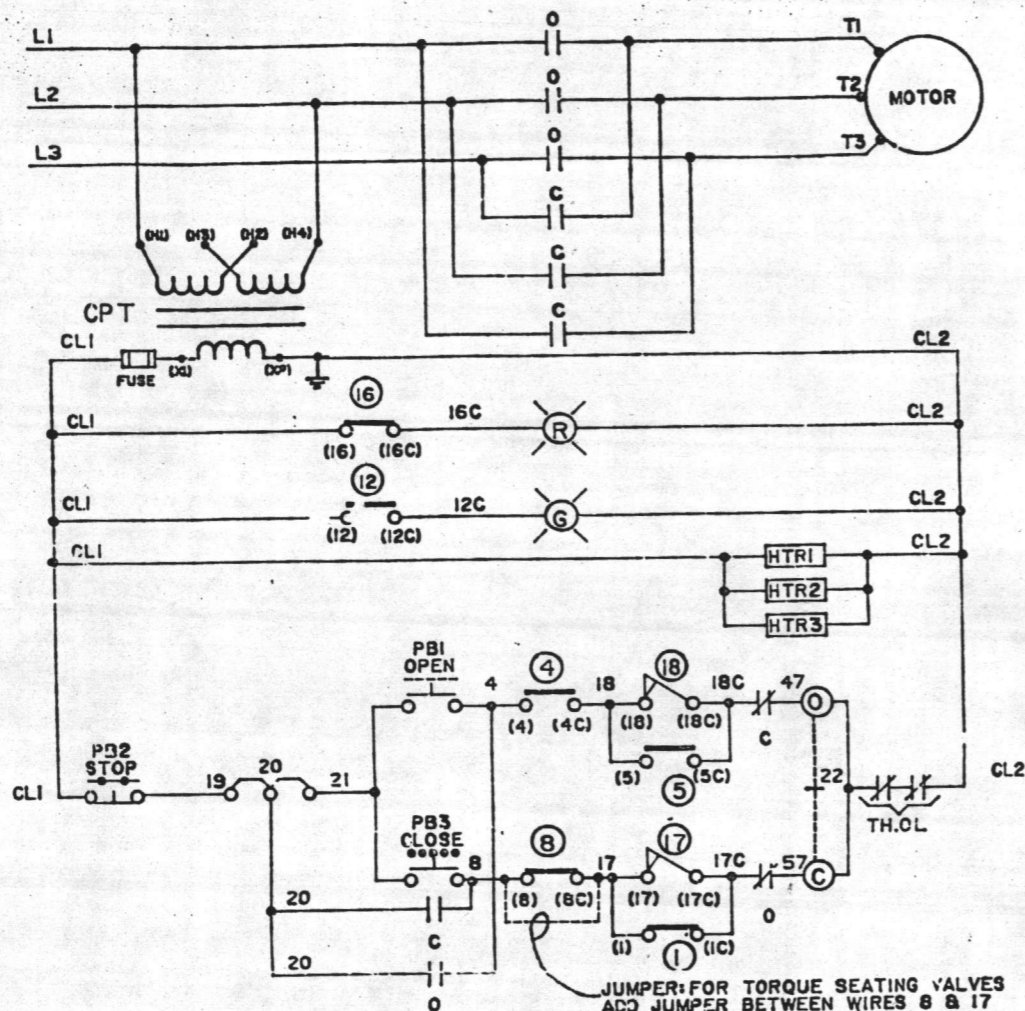
Yours Very Truly
MELLIS CORPORATION

Michael P.W. Ellis
MPW

Michael P.W. Ellis
MPWE/mb

enclosures: Limitorque Wiring Diagram





VALVE SHOWN IN FULL OPEN POSITION

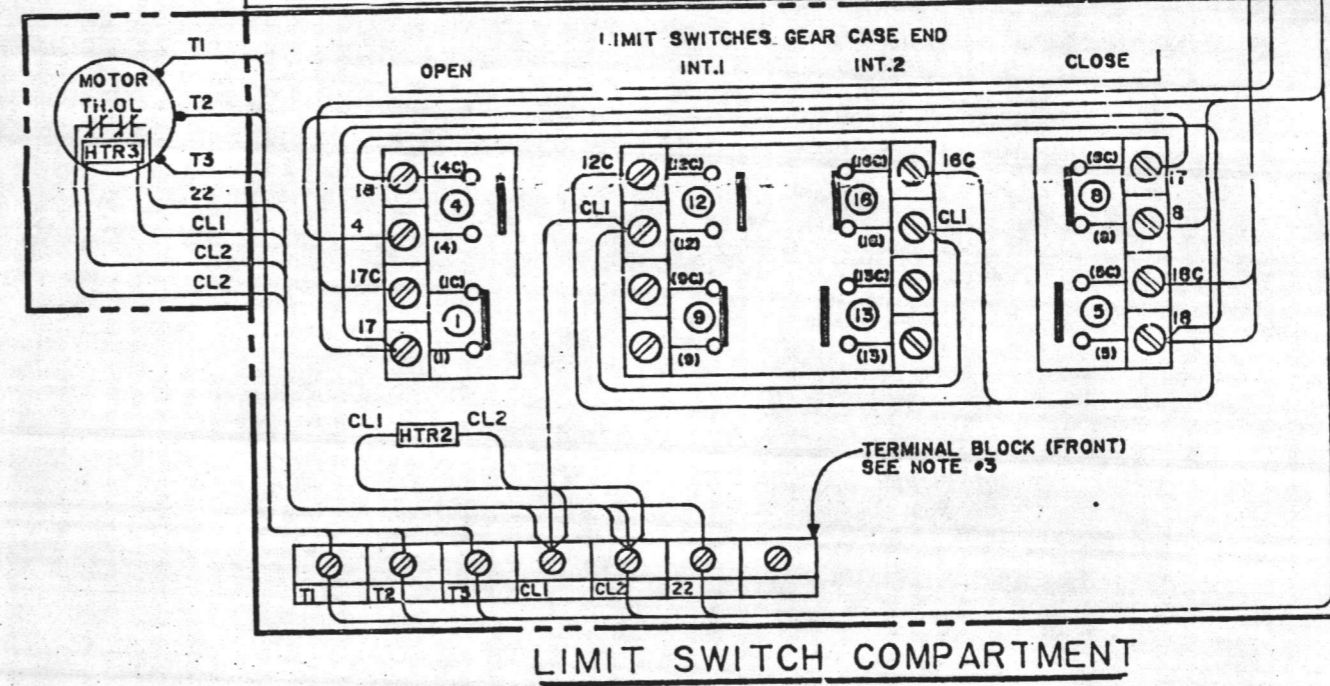
ROTOR	CONTACT	LIMIT SWITCH CONTACT DEVELOPMENT		FUNCTION
		FULLY OPEN	FULLY CLOSED	
OPEN	1			BY-PASS CIR.
	4			OPEN LIMIT
CLOSE	5			BY-PASS CIR.
	8			CLOSED LIMIT
INT.1	9			SPARE
	12			IND.LIGHT
INT.2	13			SPARE
	16			IND.LIGHT

- NOTES**
- CLOSED CONTACT
 - OPEN CONTACT
 - TERMINAL BLOCK (FRONT) RATED 600 V.A.C. 15 AMP #8 SCREW
 - TERMINAL BLOCK (TOP) RATED 600 V.A.C. 30 AMP #10 SCREW
 - TRANSFORMER CONNECTION FOR HIGH VOLTAGE CONNECT H2 TO H3, H1 TO L1 AND H4 TO L2. FOR LOW VOLTAGE CONNECT H1 AND H3 TO L1, H2 AND H4 TO L2.

- LEGEND**
- O-OPEN CONTACT
 - C-CLOSE CONTACT
 - ⊖-OPENING COIL
 - ⊕-CLOSING COIL
 - TH.O.L-THERMAL OVERLOAD CONTACTS
 - +MECHANICAL INTERLOCK
 - CPT-CONTROL POWER TRANSFORMER
 - PB1-OPEN PUSHBUTTON
 - PB2-STOP PUSHBUTTON
 - PB3-CLOSE PUSHBUTTON
 - Ⓜ-RED INDICATING LIGHT
 - Ⓜ-GREEN INDICATING LIGHT
 - HTR1-SPACE HEATER (CONTROLS)
 - HTR2-SPACE HEATER (L.S. COMPT)
 - HTR3-MOTOR HEATER

(17) CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE

⊖ OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF



DAB		LIMITORQUE CORPORATION	
MM		WIRING DIAGRAM	
6-7-52		STANDARD	
NO.	DESCRIPTION	DATE	

