



**GENERAL NOTE:**  
 THIS DRAWING REPRESENTS FUNCTIONAL REQUIREMENTS ONLY. REFER TO ELECTRICAL REFERENCE DRAWING FOR HARDWARE IMPLEMENTATION.

**NOTES:**  
 1. DRAWING AND EQUIPMENT REFERENCES:

| CCW PUMP NO. | ELECTRICAL REF. Dwg. NO. | MECHANICAL EQUIP. NO. |
|--------------|--------------------------|-----------------------|
| 1A           | 1E-6845                  | R20-PA-101A           |
| 1B           | 1E-6846                  | R20-PA-101B           |
| 1C           | 1E-6847                  | R20-PA-101C           |

2. THIS LOGIC IS APPLICABLE TO THE FOLLOWING:

| CCW PUMP NO.            | TRAIN A   | TRAIN B   | TRAIN C   |
|-------------------------|-----------|-----------|-----------|
| SURGE TANK LOW-LOW      | LSL-4503A | LSL-4503B | LSL-4503C |
| CCW LOOP LOW FLOW       | FSL-4512  | FSL-4517  | FSL-4522  |
| CONTROL RM SWITCH LOGIC | ZCP001    | ZCP002    | ZCP003    |

TERA APERTURE CARD

**INFORMATION**  
 THIS DOCUMENT IS SUBJECT TO REVISION WITHOUT NOTIFICATION TO THE USER OF THIS COPY

| DATE     | DESCRIPTION      | BY | CHK | PROJ | ENGR | DATE | DESCRIPTION | BY | CHK | PROJ | ENGR |
|----------|------------------|----|-----|------|------|------|-------------|----|-----|------|------|
| 01/17/77 | REVISED AS NOTED |    |     |      |      |      |             |    |     |      |      |
| 01/17/77 | AS NOTED         |    |     |      |      |      |             |    |     |      |      |
| 01/17/77 | INITIAL REVIEW   |    |     |      |      |      |             |    |     |      |      |

**Brown & Root Inc.**  
 ENGINEERS-CONSTRUCTORS  
 HOUSTON, TEXAS

**SOUTH TEXAS PROJECT**

DRAWING TITLE  
 COMPONENT  
 COOLING WATER PUMPS  
 LOGIC DIAGRAM  
 SYSTEM: R-20

CONTRACT NO. SCALE  
 CR-0241 N/A  
 DRAWING NO. R-20  
 1-2-3180  
 SHT. 1

**BROWN & ROOT INC.**  
 XEROFILM SERVICES



FRIDAY, NOV. 18 1977

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