



LIMIT SWITCH DEVELOPMENT

MOV FS/3/5/1			MOV 3/55/10		
CONTACT	OPEN	CLOSE	CONTACT	OPEN	CLOSE
1	X		1	X	
2	X		2	X	
3	X	X	3	X	X
4	X	X	4	X	X
5	X		5	X	
6	X		6	X	
7	X	X	7	X	X
8	X	X	8	X	X
9	X		9	X	
10	X		10	X	
11	X	X	11	X	X
12	X	X	12	X	X
13	X		13	X	
14	X		14	X	
15	X	X	15	X	X
16	X	X	16	X	X

CONTROL SWITCH

S33 (CR2940 US203A)

CONTACT	OPEN	NEUT.	CLOSE	FUNCTION
1-0-1-2	X			SPARE
3-0-1-4	X			VALVE FS/3/5/1
5-0-1-6	X			VALVE 3/5/1/10
7-0-1-8	X			SPARE

NOTES:  
 1. LCTX1 & LCTX2 SET FOR 15 SECOND TIME DELAY UPON DEENERGIZATION.  
 X DENOTES CONTACTS CLOSED SPRING RETURN TO MID-POSITION

LEGEND:  
 ■ - LIMIT SWITCH FOR MOV FS/3/5/1  
 ▲ - LIMIT SWITCH FOR MOV 3/55/10  
 ● - MCC 3X0, COMPT R2D  
 \* - MCC 3X0, COMPT R2C  
 LS - MOTOR OPERATED VALVE LIMIT SWITCH.  
 TS17 - CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF VALVE IS FULLY CLOSED.  
 TS18 - OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECH. OVERLOAD OCCURS DURING OPENING CYCLE OR WHEN VALVE IS FULLY OPEN.

DUKE POWER CO.

OCONEE NUCLEAR STATION-3  
 ELEMENTARY DIAGRAM  
 LETDOWN COOLER 'A'  
 FS/3/5/1/1 & 3/55/10

DRN. TED 10-18-72 CHKD. *[Signature]* 3-1-73  
 INSP. JCA 3-2-73 APPR. *[Signature]* 3-2-73

RELEASED FOR CONSTR. *[Signature]* 3-2-73  
 NO. REVISION CHKD. APPR. DATE

SCALE NONE NO. OEE-351-13

TERA  
 APERTURE  
 CARD

UNIT 3 HP1 & CC1 (HP2 & CC2 ARE IDENTICAL)

● DENOTES CONDUCTORS IN GIVEN CABLE INSIDE CONTAINMENT LEADING TO VALVE HP1

○ DENOTES CONDUCTORS IN GIVEN CABLE INSIDE CONTAINMENT LEADING TO VALVE CC1

UNITS 1 & 2 IDENTICAL TO UNIT 3.

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REDS-PDR

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