

Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 1 of 17)

TABLE 1: ANNUNCIATOR/ALARM LIST		TABLE 1 (CONT'D) ANNUNCIATOR/ALARM LIST	
INDICATOR	FUNCTION	INDICATOR	FUNCTION
ALARMS	RCIC TURBINE EXHAUST PRESSURE HIGH	PIS-2614A,E,B,F	RCIC MANUAL INITIATION SWITCH IN ARMED POSITION
	RCIC TURBINE EXHAUST LINE DISCHARGE PRESSURE HIGH	PIS-2613A,E	RCIC OUT OF SERVICE
	RCIC PUMP SUCTION PRESSURE HIGH	PIS-2601	RCIC LOW FLOW
	RCIC PUMP SUCTION PRESSURE LOW	PIS-2602	RCIC TURBINE TRIP AND THROTTLE VALVE NOT FULLY OPENED
	RCIC AREA TEMP HIGH	E31-PS 2605A,B,C,D	SUPPRESSION POOL WATER LEVEL HIGH
	RCIC STEAM LINE FLOW HIGH	E31-FS 2606A,B,C,D	CONDENSATE STORAGE TANK WATER LEVEL LOW
	RCIC STEAMLINE PRESSURE LOW	E31-PS 2607A,B,C,D	RCIC TEST
	RCIC ISOLATED	E31 LOGIC OUTPUT	RPV WATER LEVEL LOW (L2)
	STEAM SUPPLY WARM-UP VALVE F04B NOT FULLY CLOSED	LIMIT SWITCH	DRYWELL PRESSURE HIGH
	STEAM SUPPLY OUTBOARD ISOLATION VALVE F036 NOT FULLY OPENED	LIMIT SWITCH	RCIC INITIATION SIGNAL
	STEAM SUPPLY INBOARD ISOLATION VALVE F035 NOT FULLY OPENED	LIMIT SWITCH	RPV WATER LEVEL HIGH (L8)
	RCIC TURBINE EXHAUST VALVE F039 NOT FULLY OPENED	LIMIT SWITCH	ANY RCIC VALVE OVERLOAD OR POWER LOSS
	RCIC TURBINE INLET STEAM LINE WATER DRAIN POT LEVEL HIGH	LS011	RCIC LOGIC POWER FAILURE
	RCIC DISCHARGE LINE NOT FILLED	PIS-2608	STEAM SUPPLY TO TURBINE VALVE F037 CLOSED ON HIGH WATER LEVEL (L8)
	CONDENSATE STORAGE TANK TO SUPPRESSION POOL SUCTION AUTO TRANSFER OVERRIDE	K05	THERMAL OVERLOAD RELAY BYPASS CONTROL SWITCH IN "TEST"
	SUPPRESSION POOL WATER TEMPERATURE HIGH	TIS-2604	

Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 2 of 17)

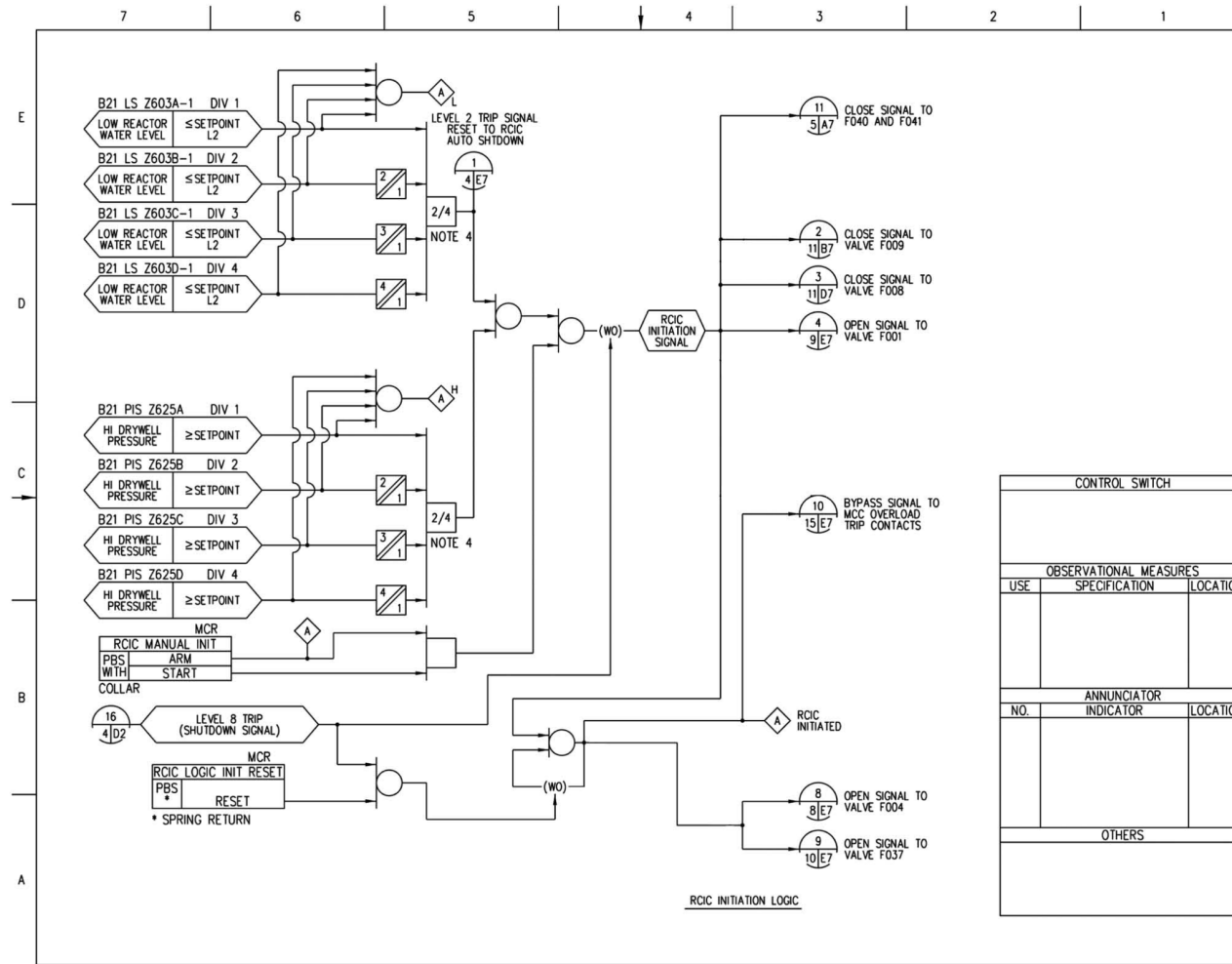


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 3 of 17)

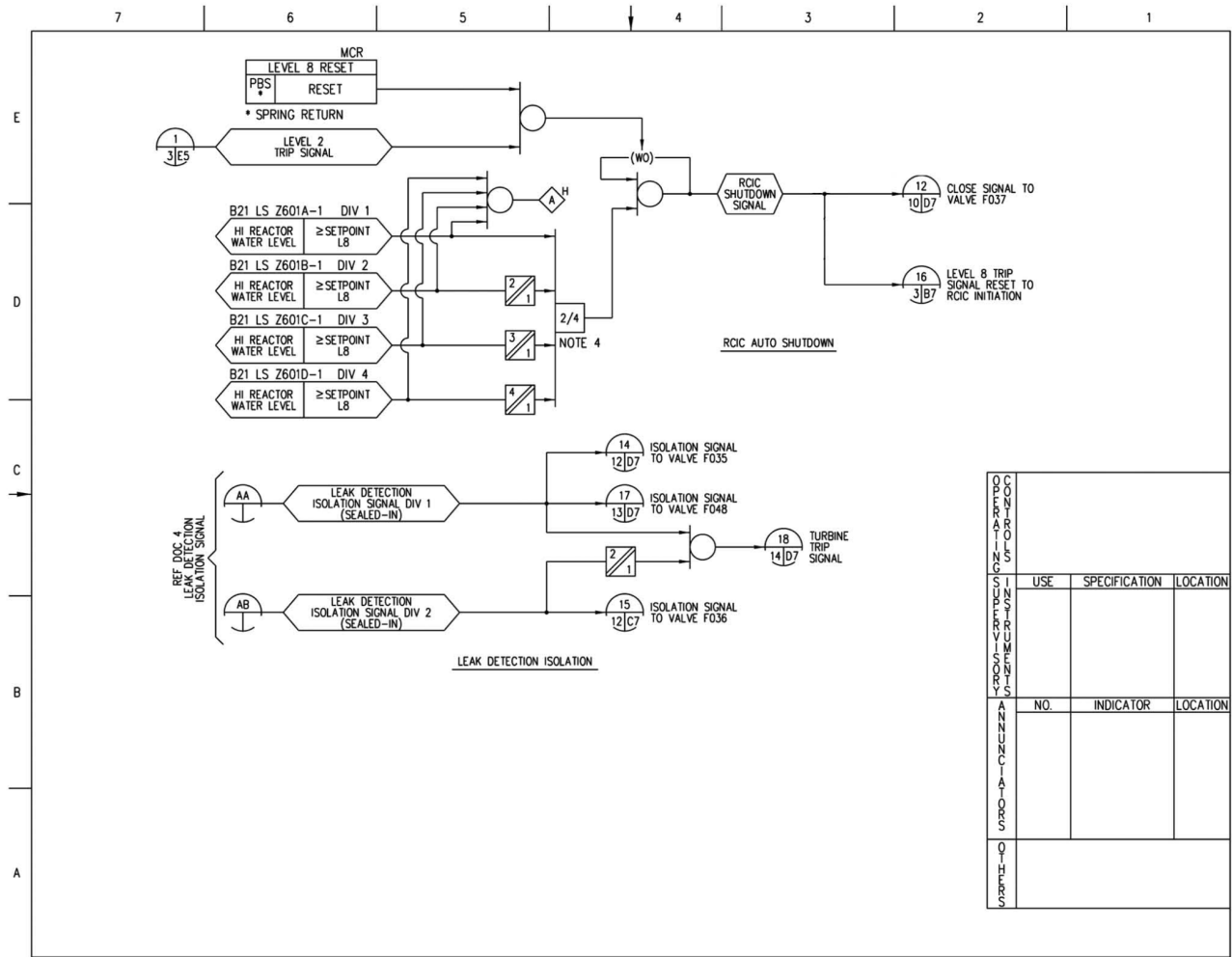


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 4 of 17)

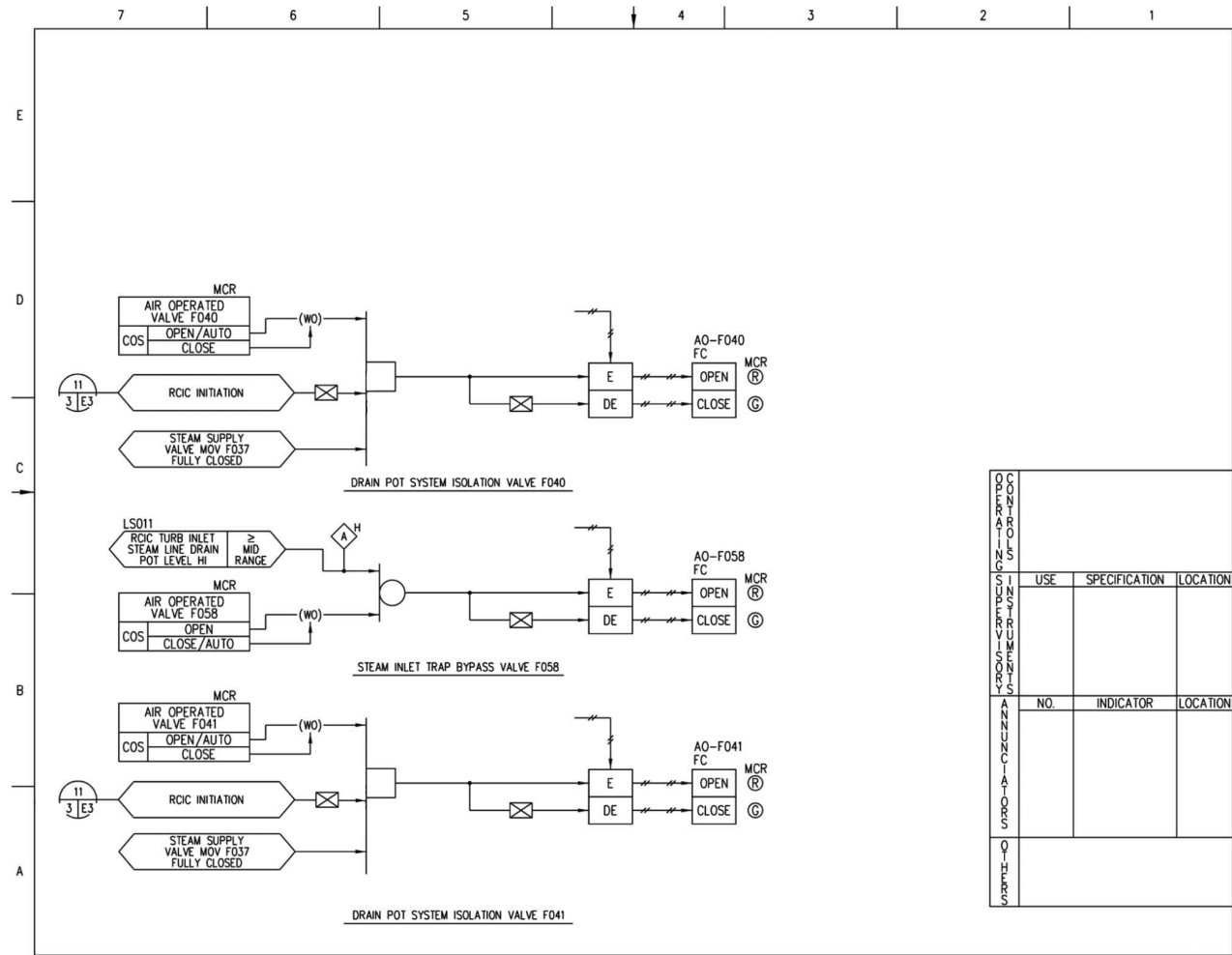


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 5 of 17)

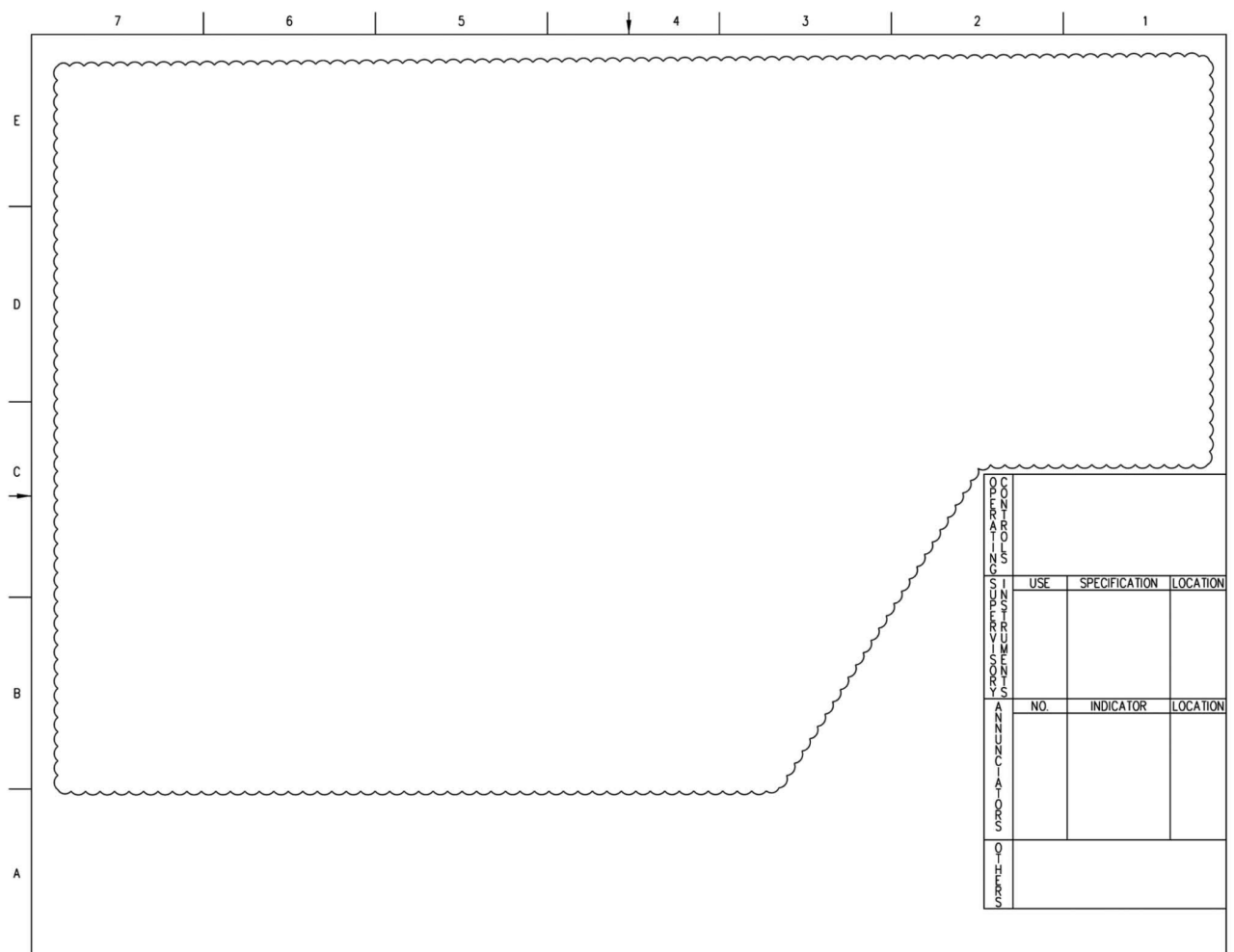


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 6 of 17)

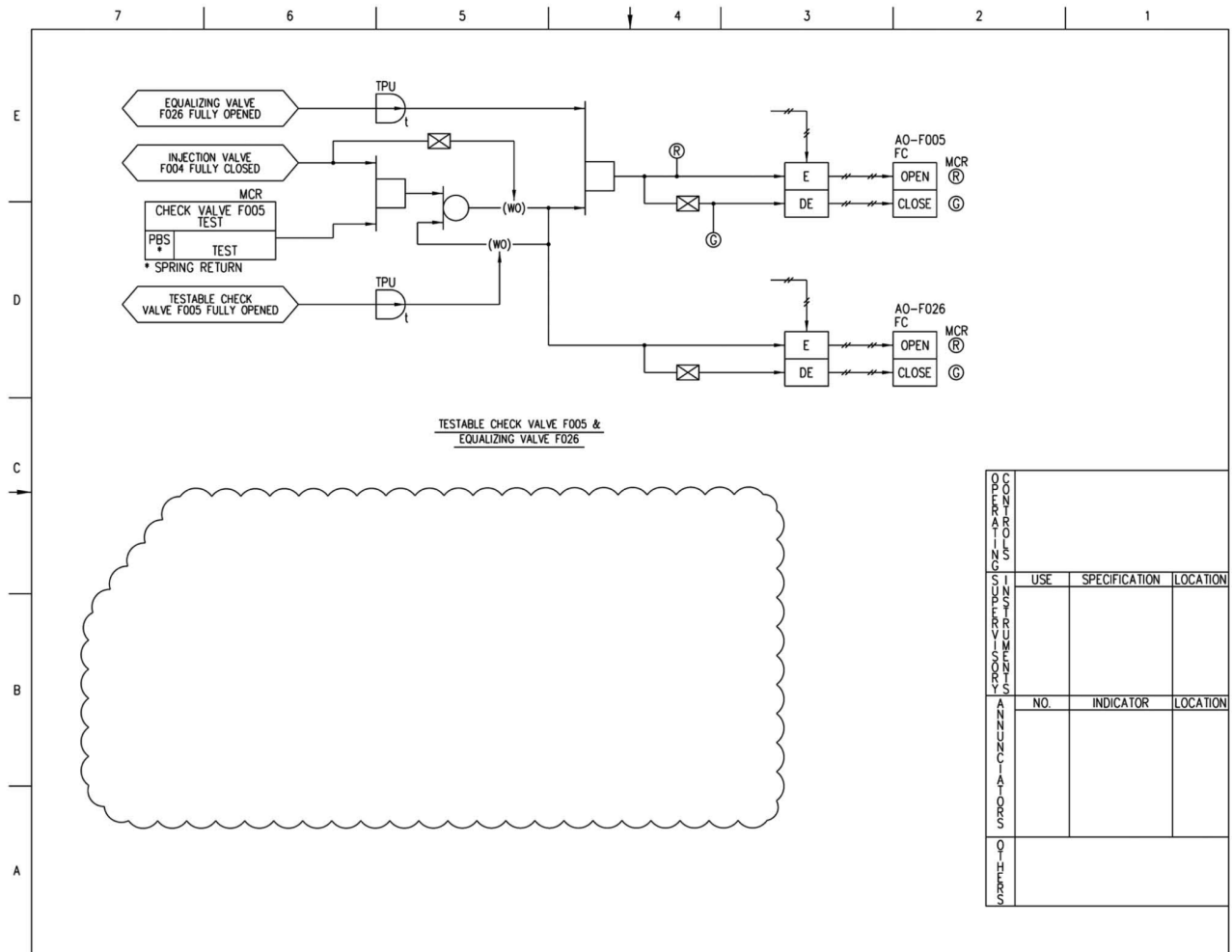


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 7 of 17)

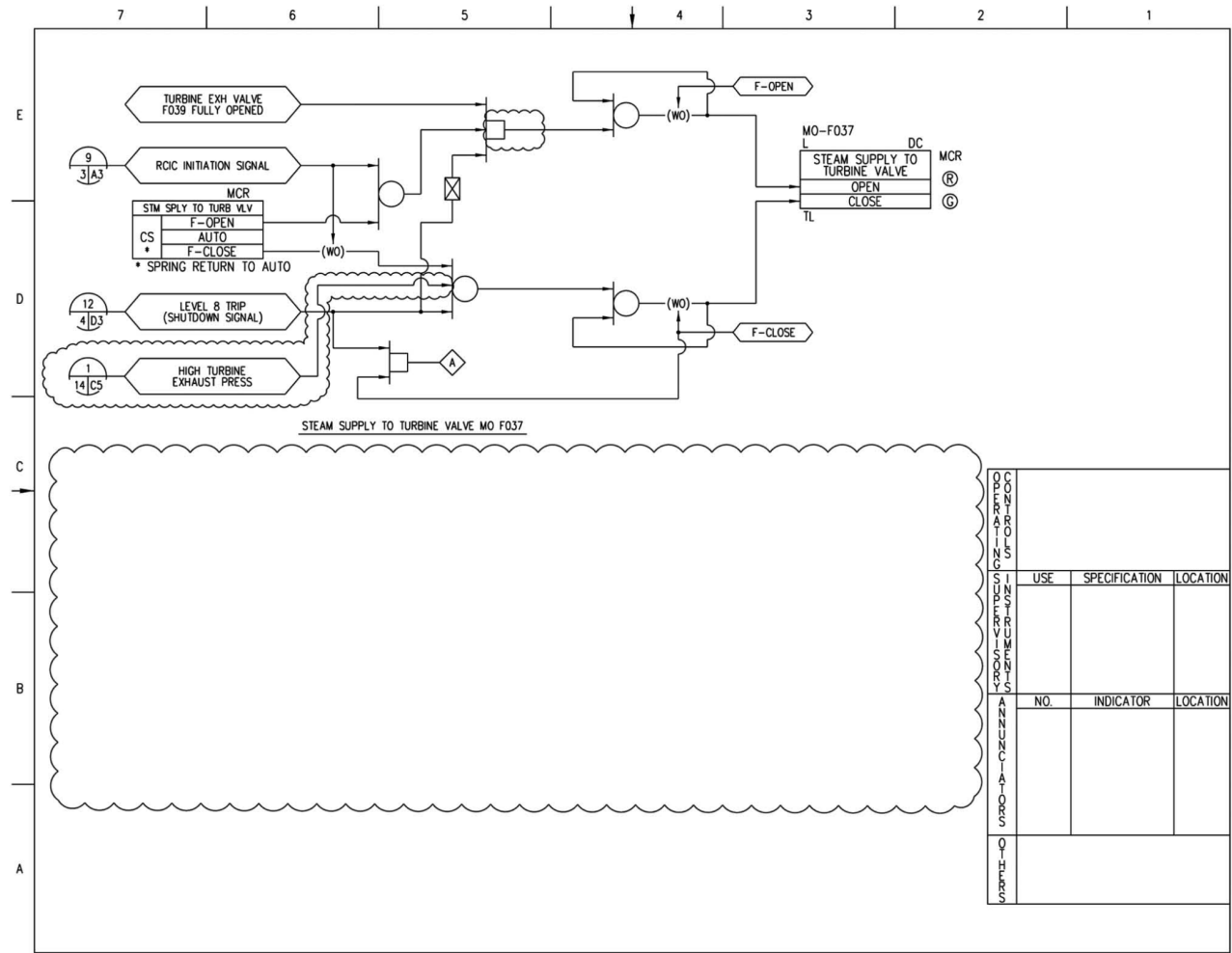
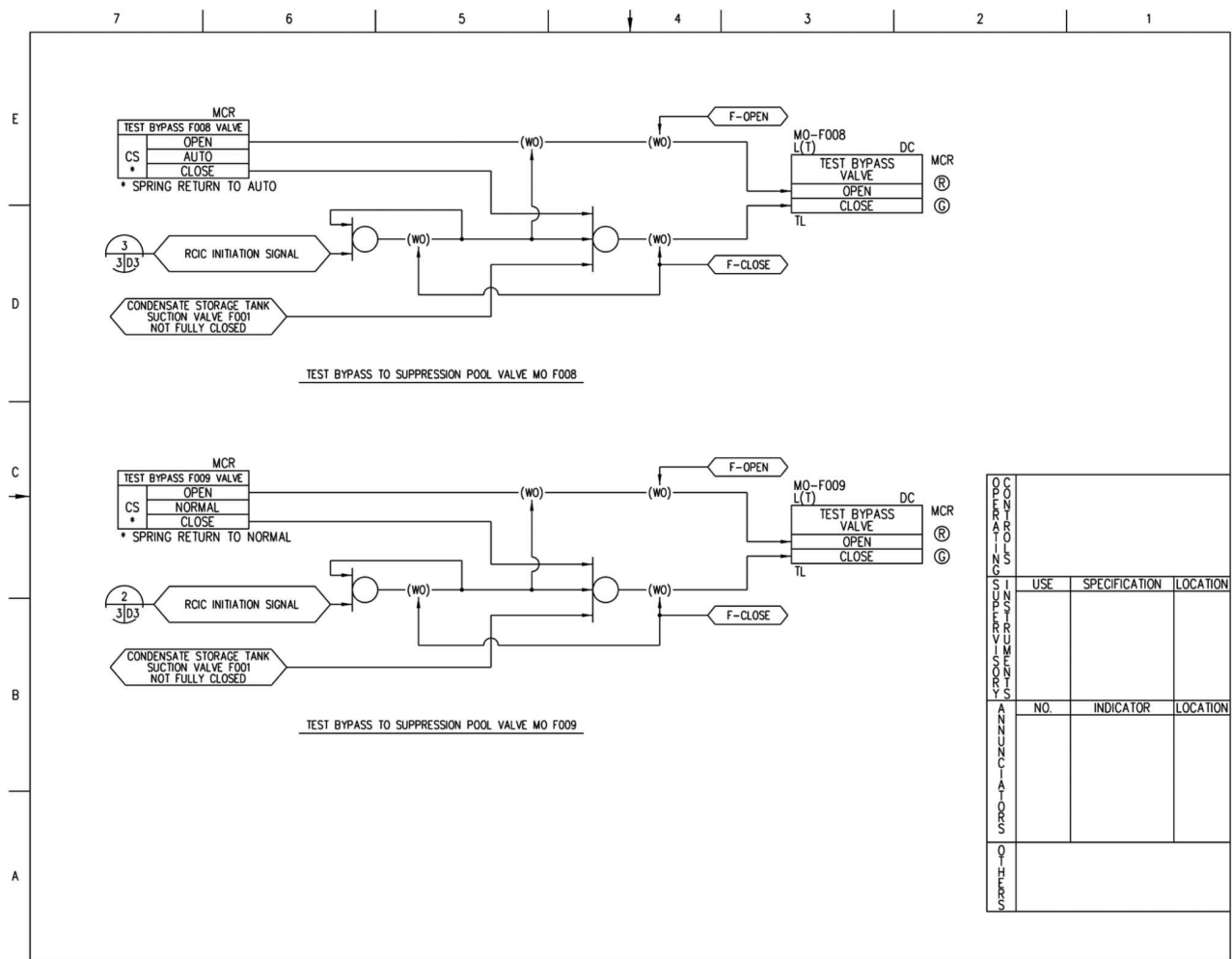


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 10 of 17)



NO.	INDICATOR	LOCATION	USE	SPECIFICATION	LOCATION

Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 11 of 17)

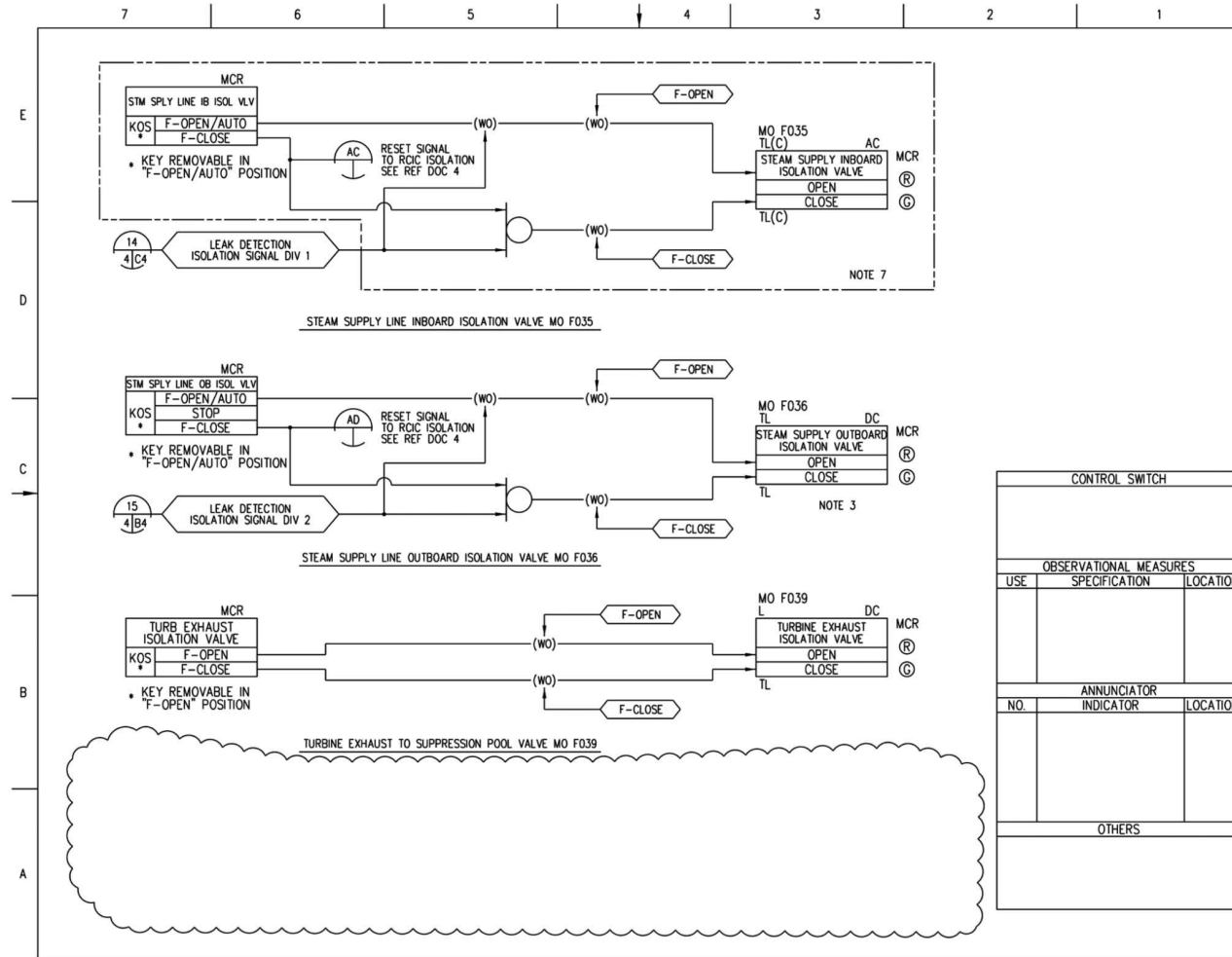


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 12 of 17)

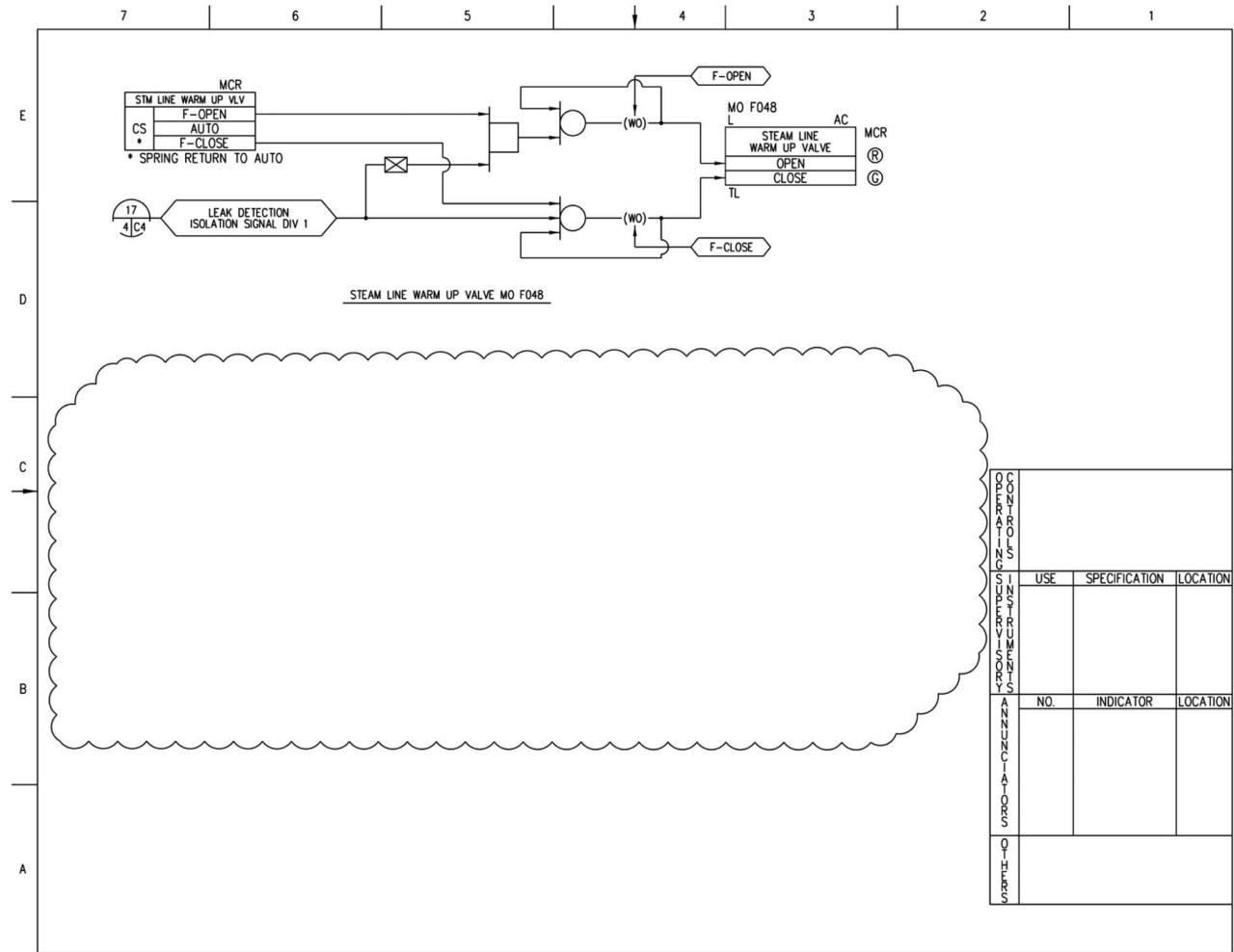


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 13 of 17)

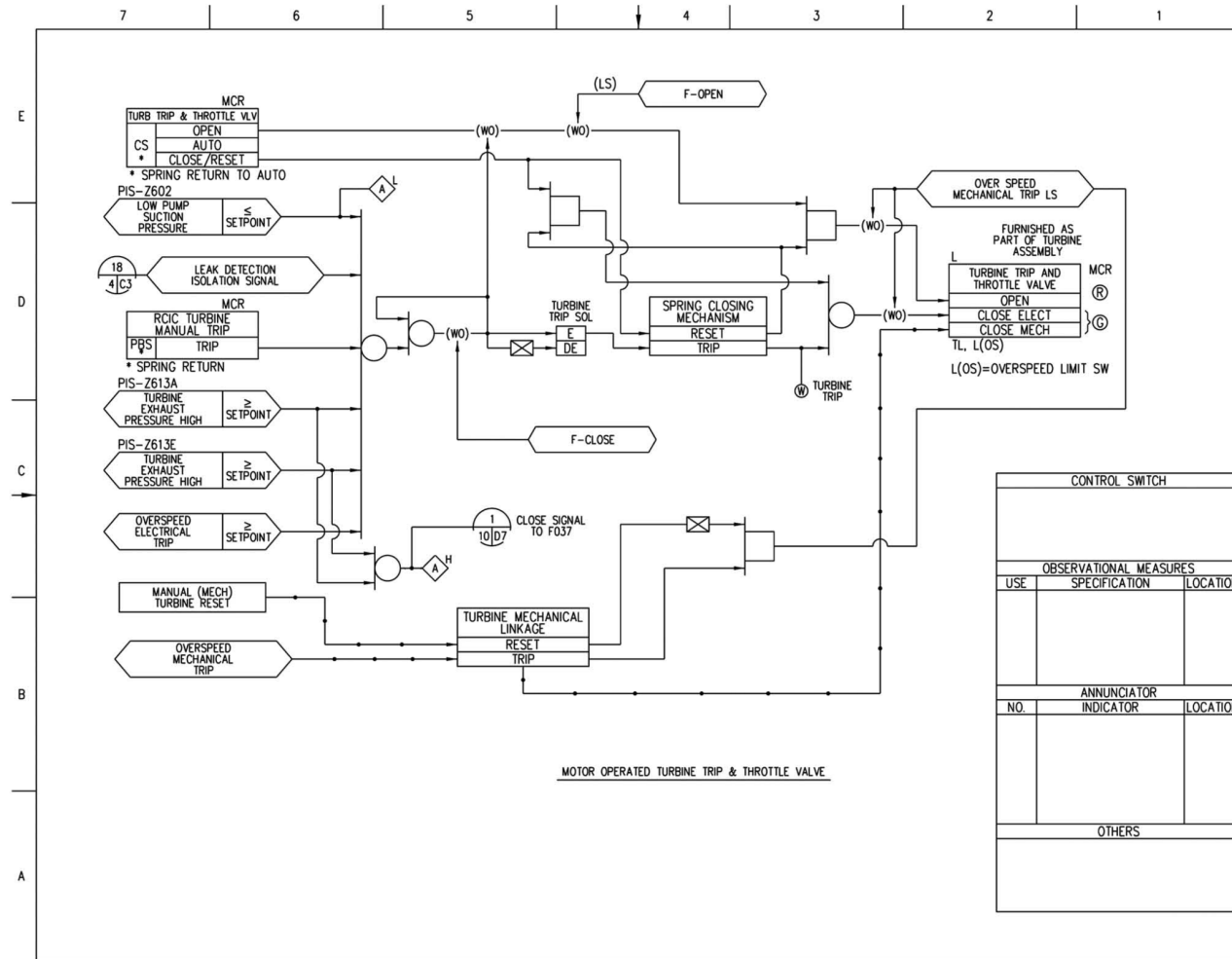


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 14 of 17)

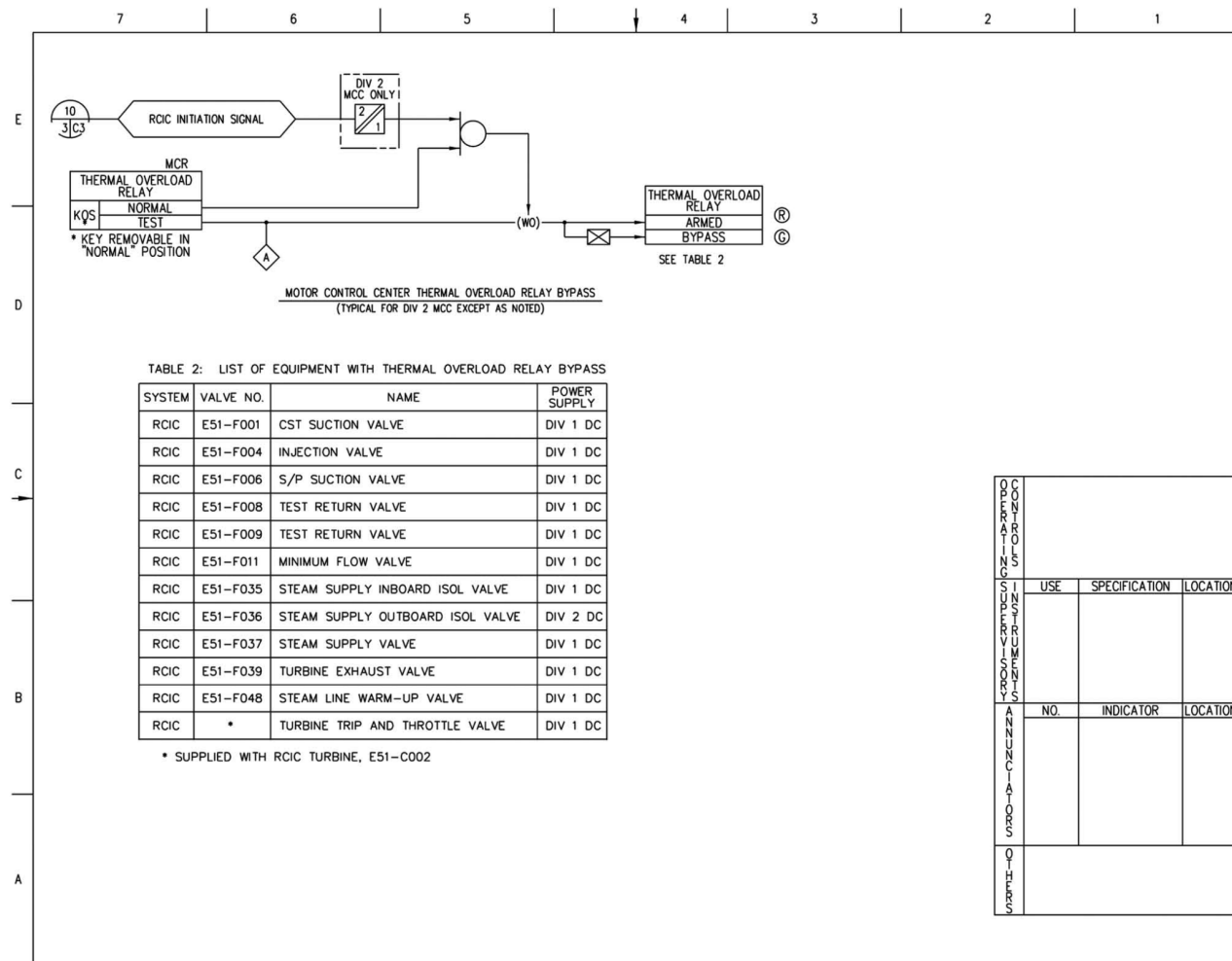
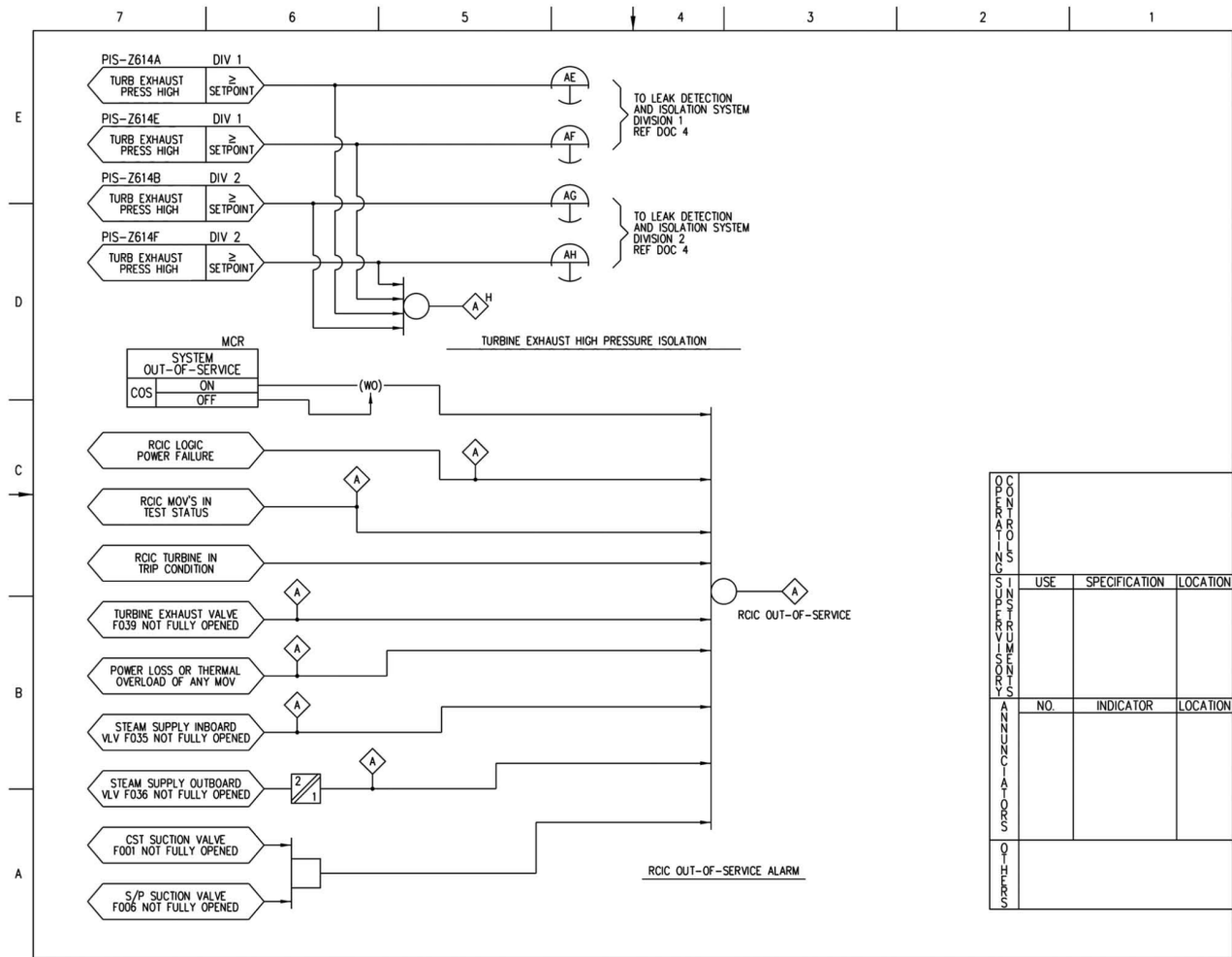


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 15 of 17)



NO.	INDICATOR	LOCATION	RCIC OUT-OF-SERVICE		
			USE	SPECIFICATION	LOCATION

Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 16 of 17)

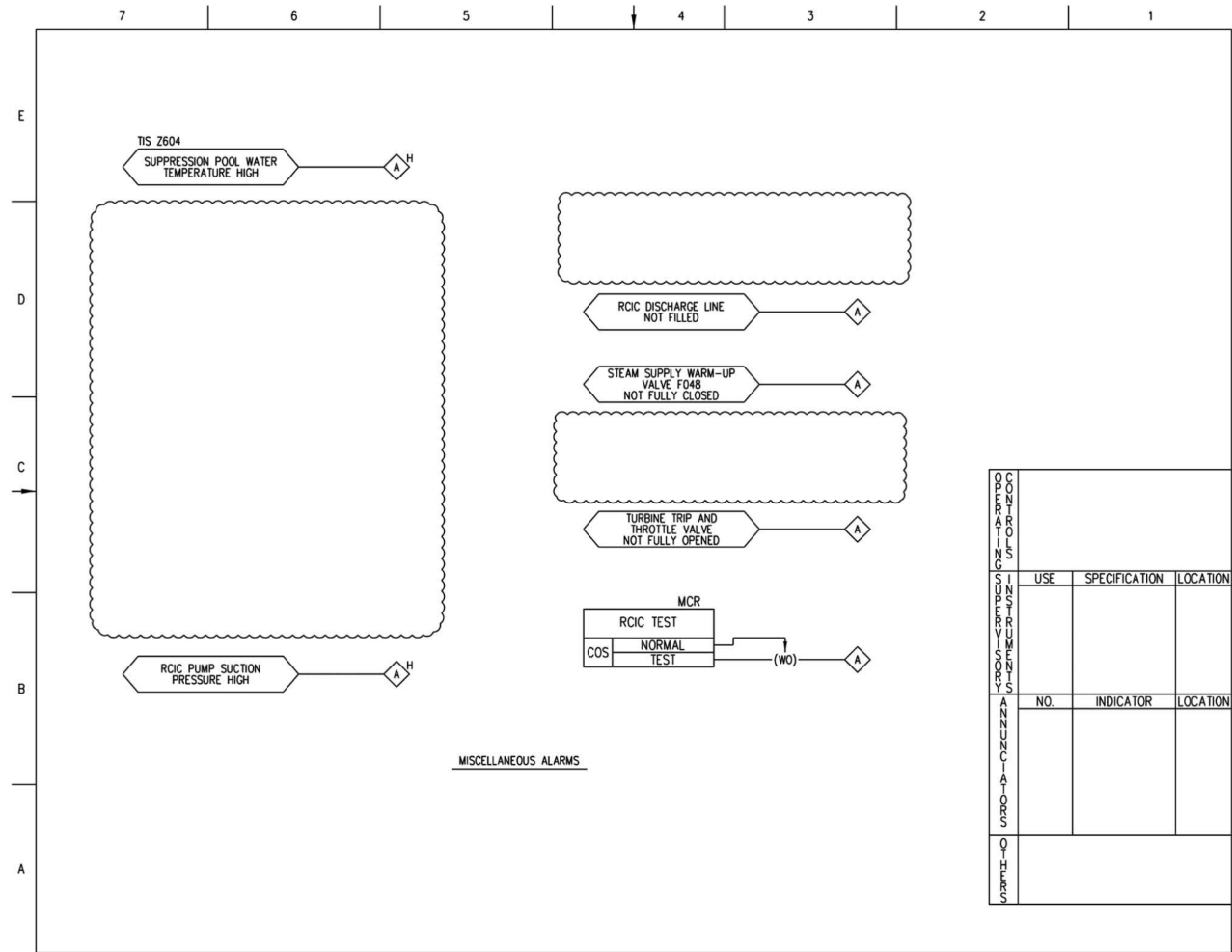


Figure 7.3-3 – Reactor Core Isolation Cooling System IBD (Sheet 17 of 17)

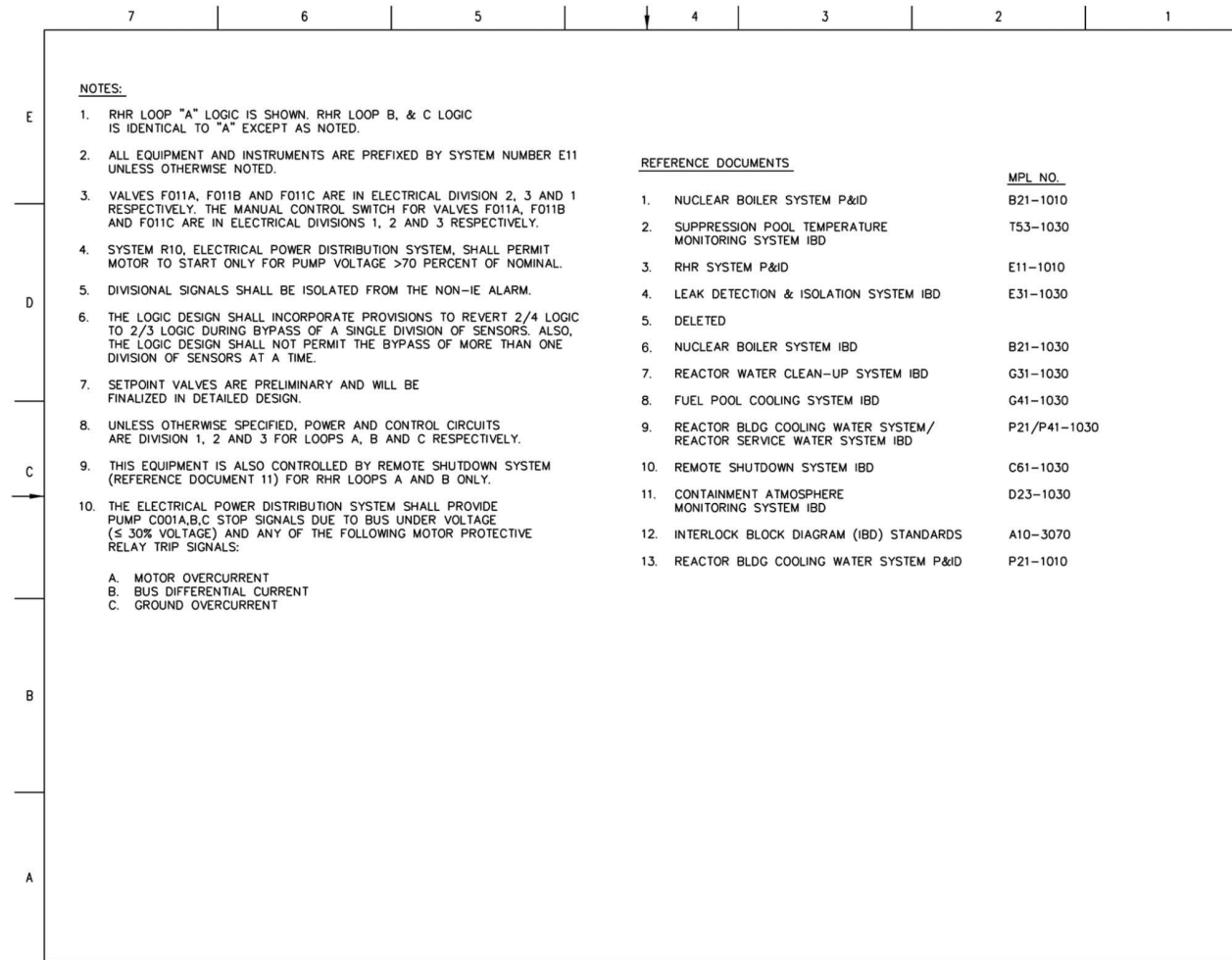


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 1 of 20)

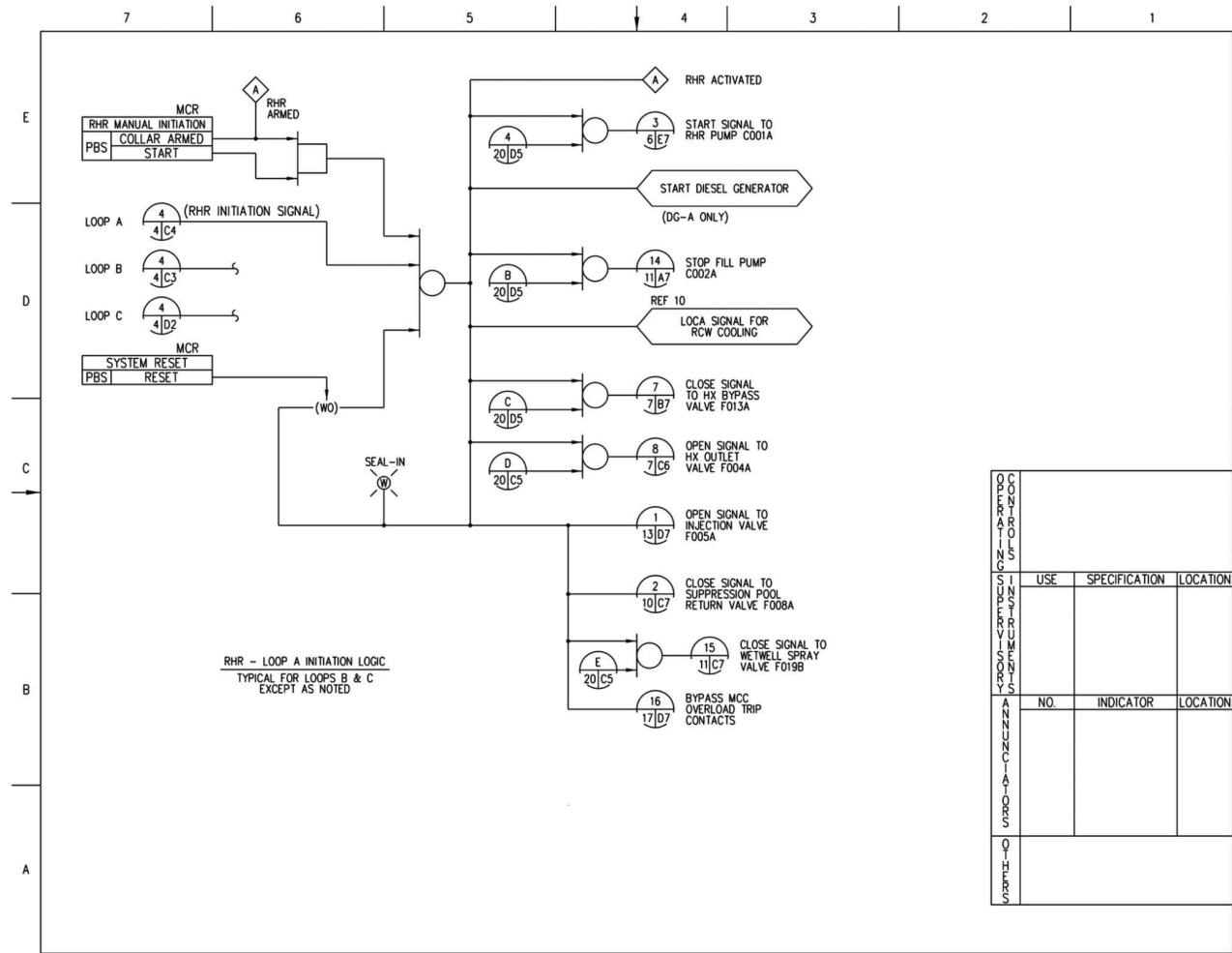


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 3 of 20)

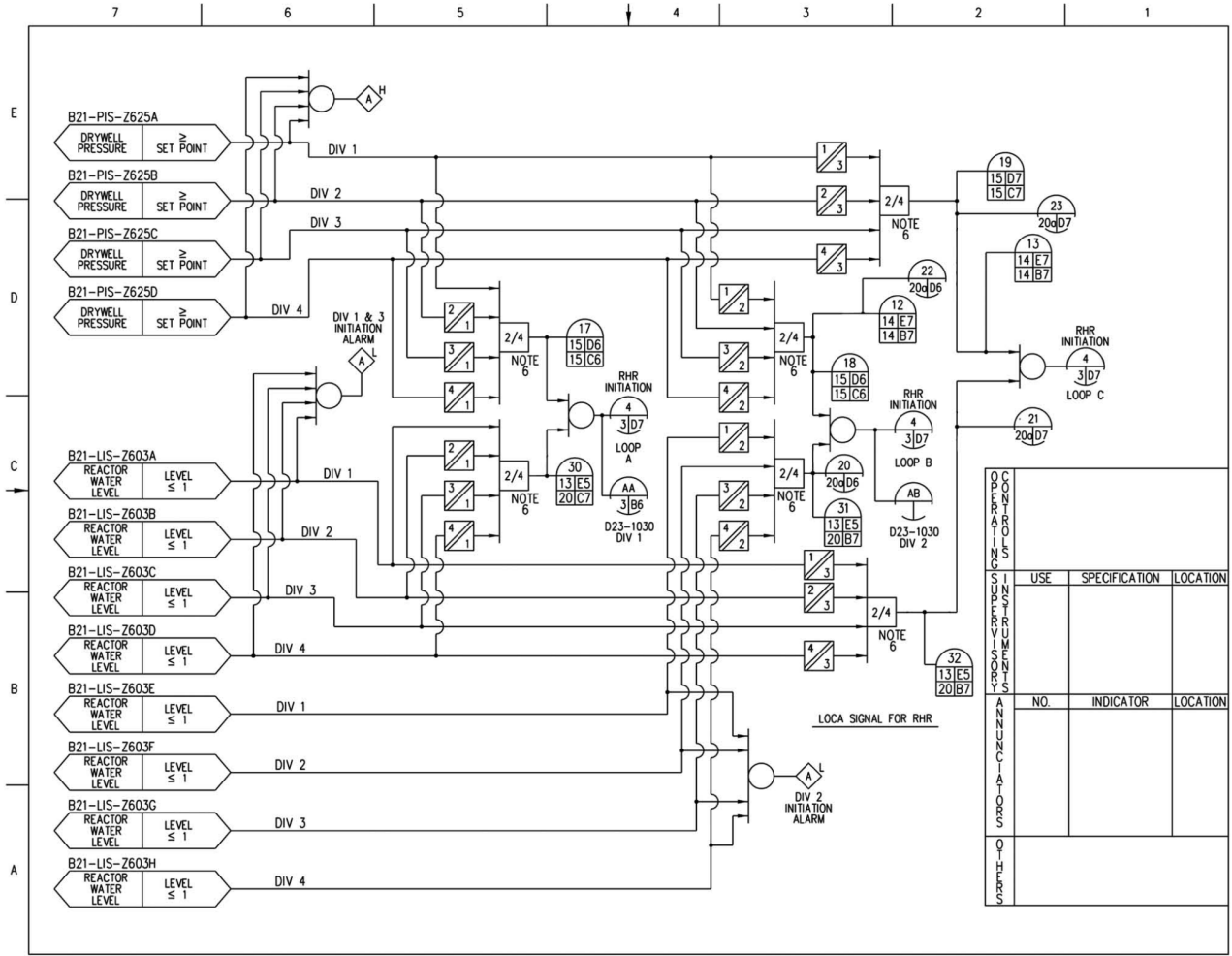


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 4 of 20)

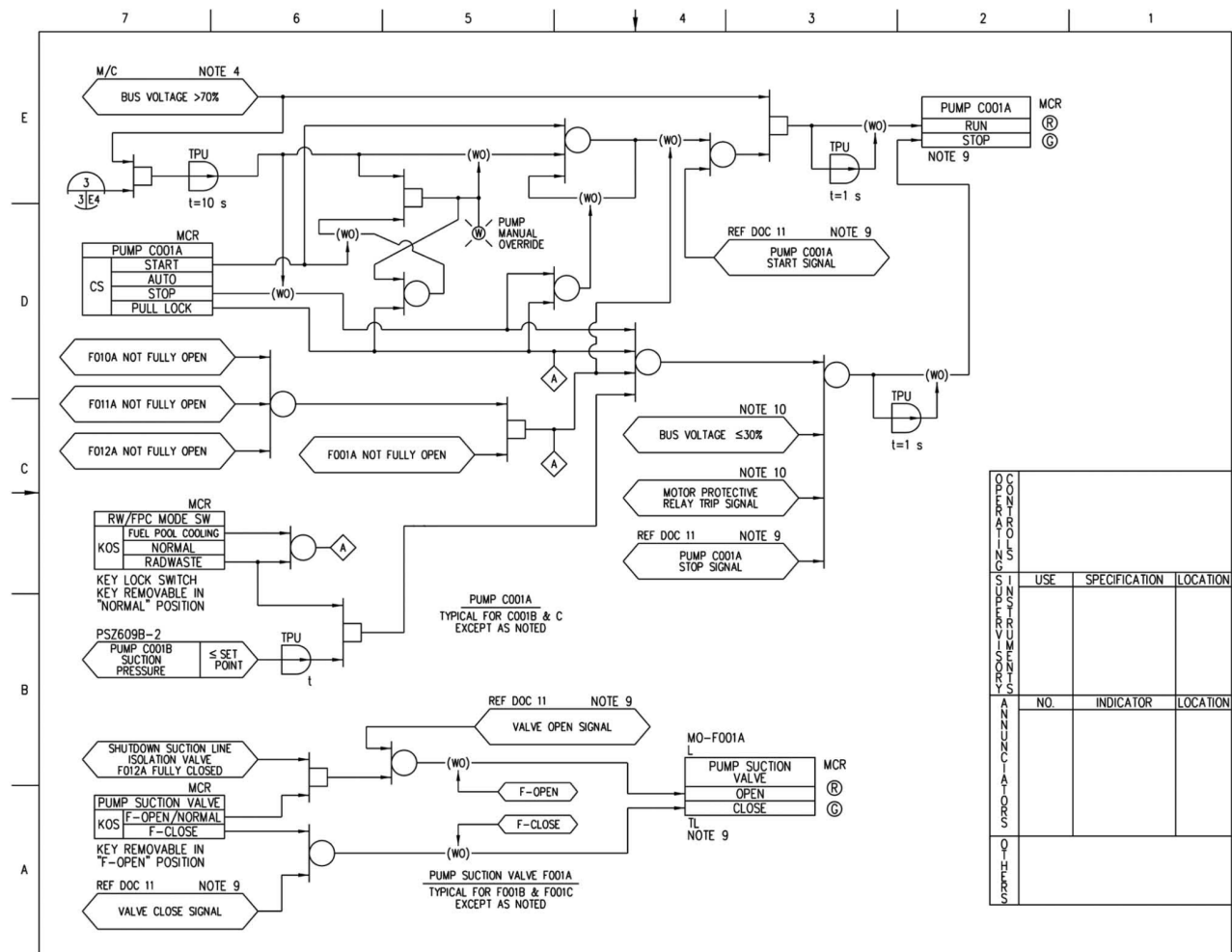


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 6 of 20)

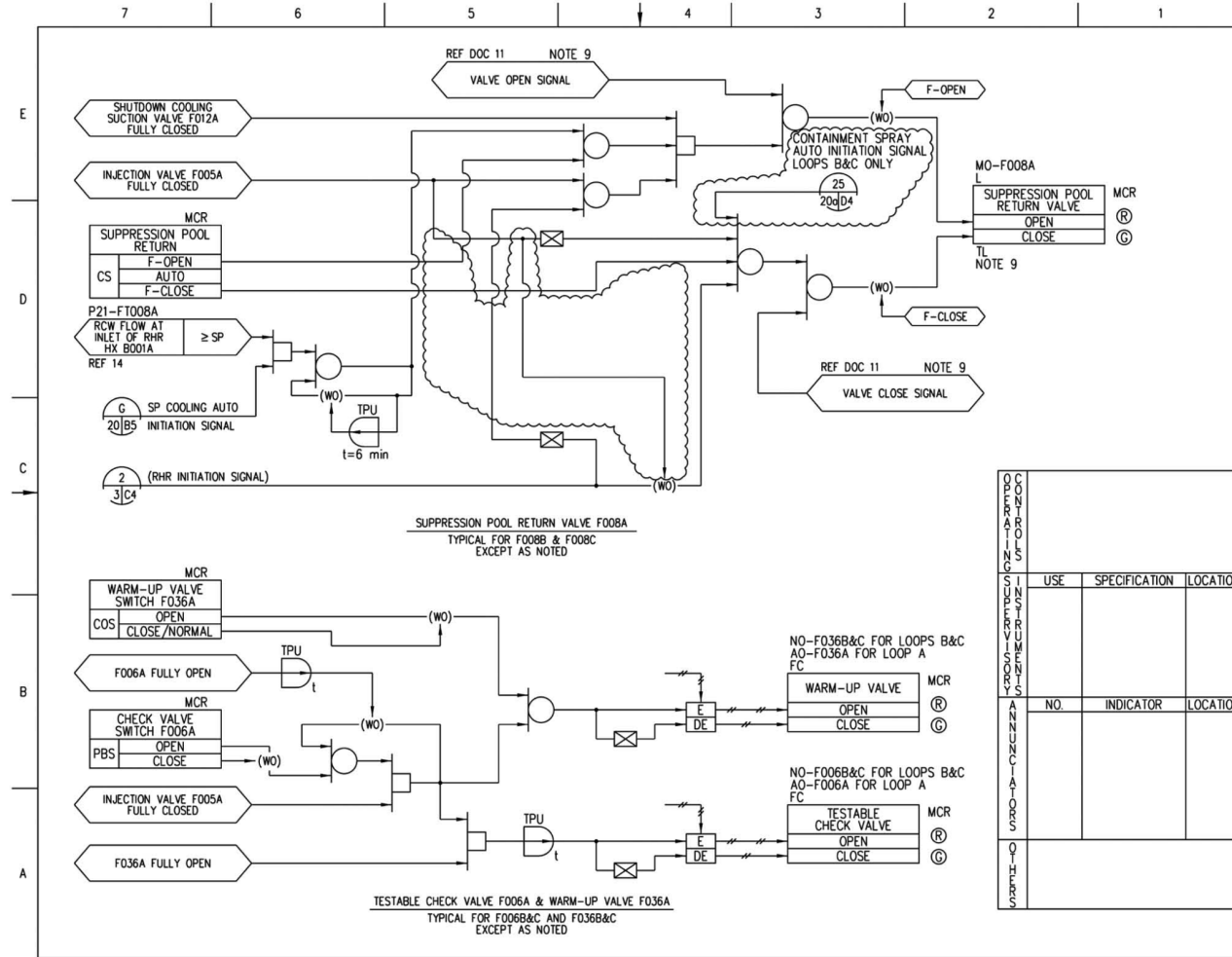
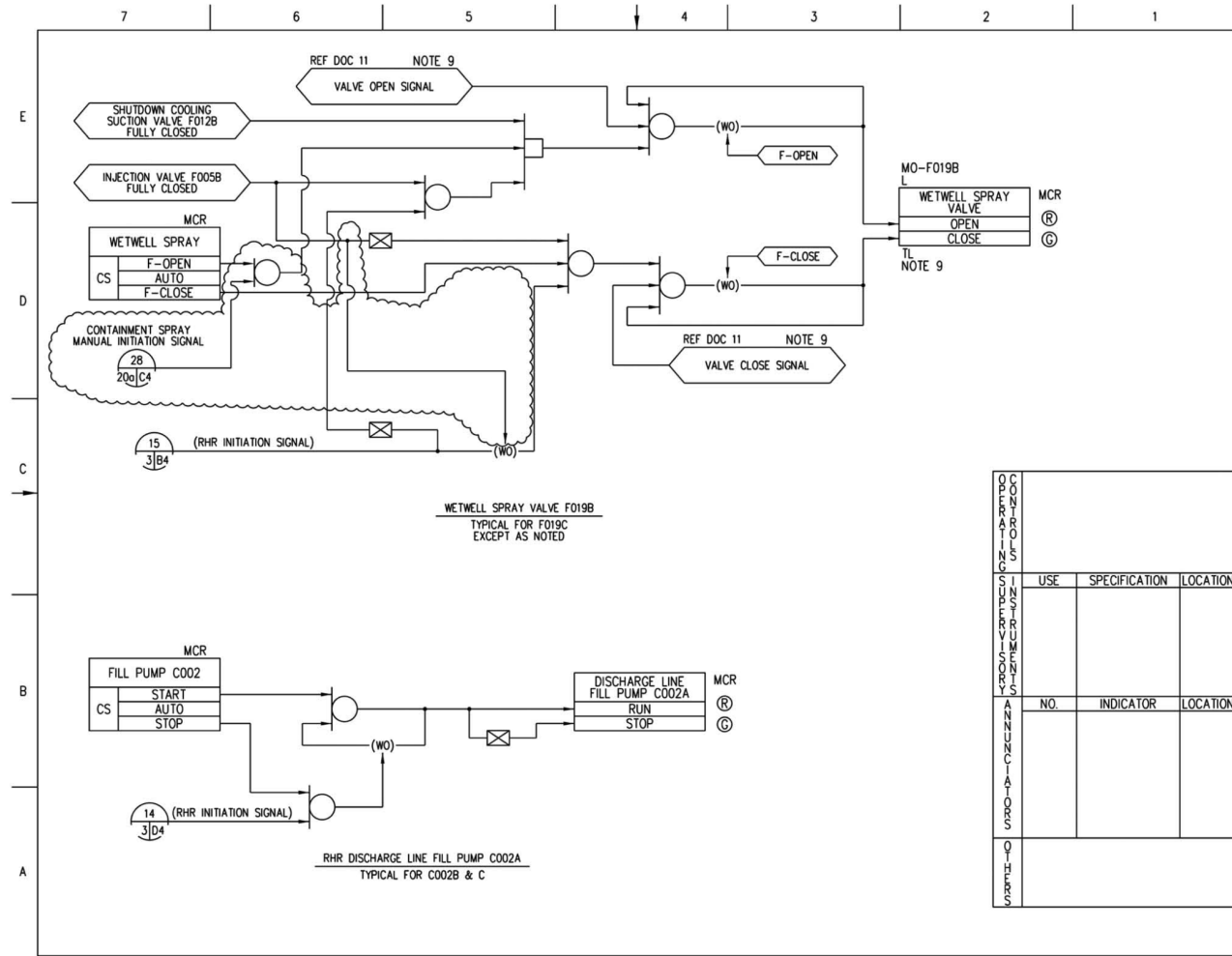


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 10 of 20)



OPERATION	WETWELL SPRAY VALVE F019B		
	USE	SPECIFICATION	LOCATION
A	INDICATOR		
	NO.	INDICATOR	LOCATION

Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 11 of 20)

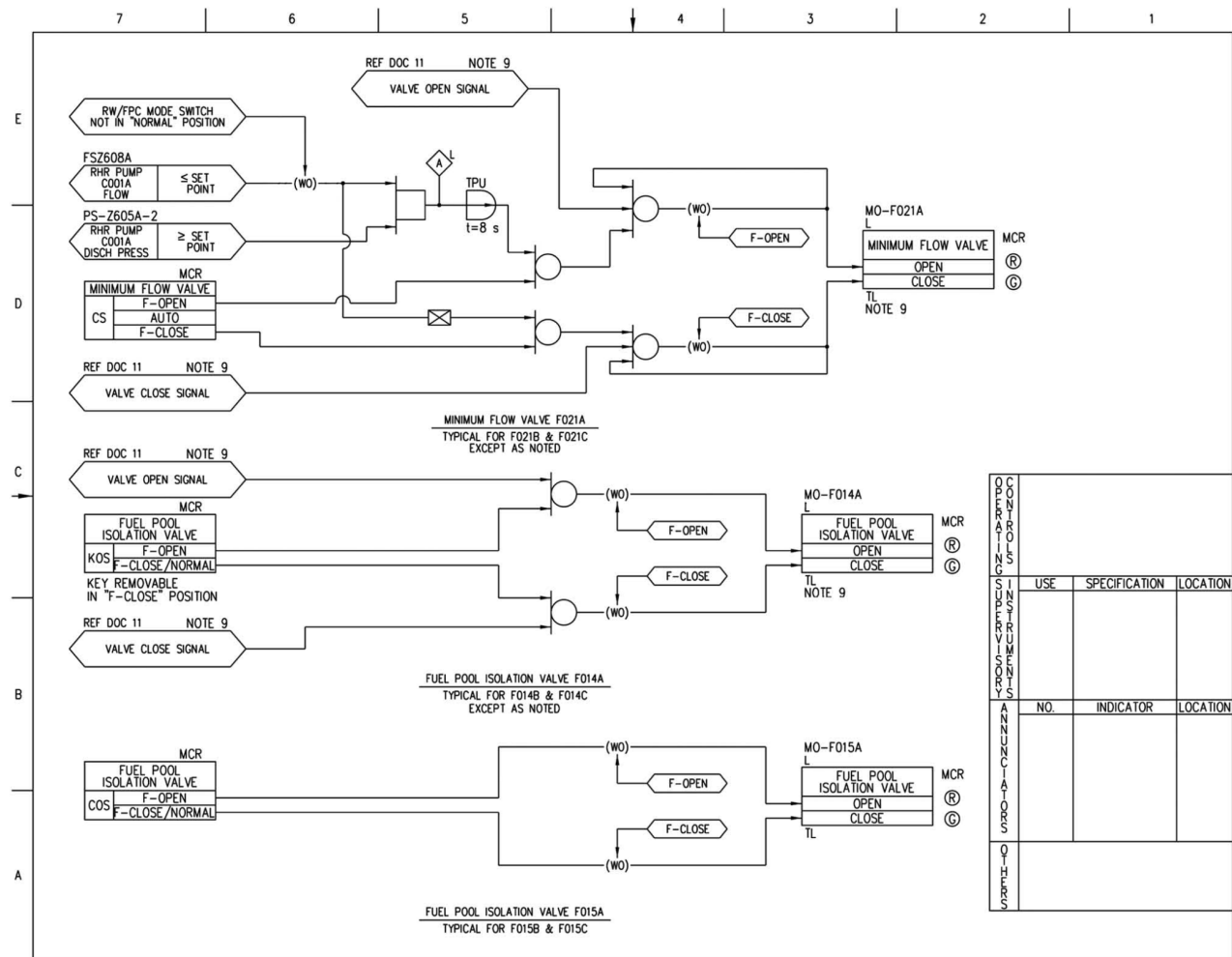


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 12 of 20)

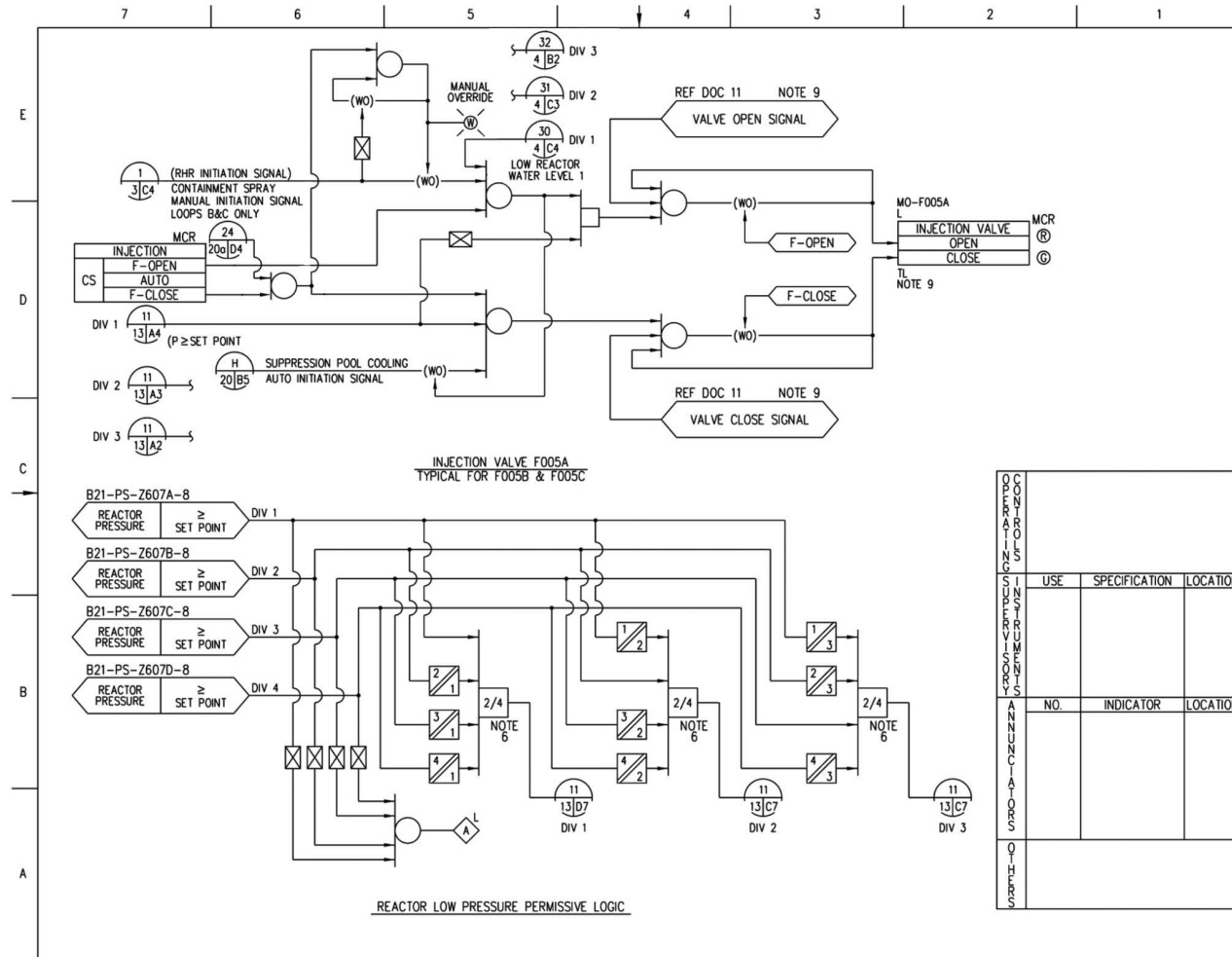


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 13 of 20)

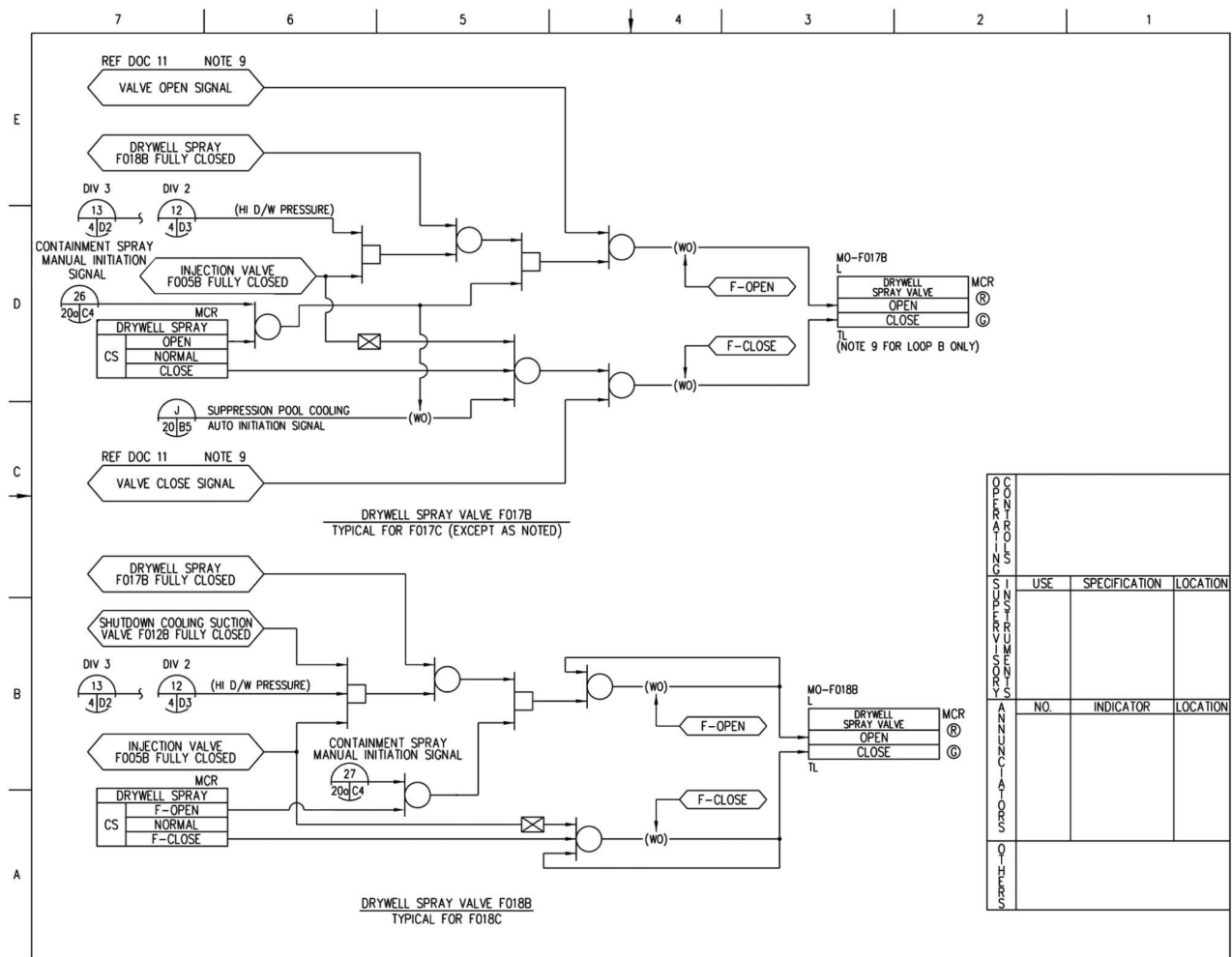


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 14 of 20)

TABLE 2 ANNUNCIATOR / ALARM LIGHTS / STATUS LIGHTS		
INDICATOR	FUNCTION	INITIATING DEVICE
	HIGH DRYWELL PRESSURE	LOGIC OUTPUT
	HIGH SUPPRESSION POOL TEMPERATURE	LOGIC OUTPUT
	LOW REACTOR WATER LEVEL 1	LOGIC OUTPUT
	HIGH WETWELL AIR SPACE TEMPERATURE	LOGIC OUTPUT
	RHR PUMP C001A,B,C HIGH DISCHARGE PRESSURE	PSZ605A-1, B-1, C-1
	RHR LOOP A,B,C ACTIVATED	LOGIC OUTPUT
	RHR PUMP C001A,B,C MOTOR OVERLOAD	METAL CLAD SWITCHGEAR
	LOW REACTOR PRESSURE	LOGIC OUTPUT
	RHR LOOP A,B,C MANUAL INITIATION SWITCH IN ARMED POSITION	PBS
	RHR LOOP A,B,C OUT-OF-SERVICE	COS, LOGIC OUTPUT
	HIGH SHUTDOWN SUCTION PRESSURE LOOP A,B,C	PSZ609A-1, B-1, C-1
ALARMS	RHR PUMP C001A,B,C DISCHARGE PIPING WATER FILL LOW	PSZ604A, B, C
	RHR LOOP A,B,C LOGIC POWER FAILURE	LOGIC OUTPUT
	POWER LOSS OR THERMAL OVERLOAD OF ANY RHR LOOP A,B,C MOV	MCC
	RHR LOOP A,B,C MOV'S IN TEST STATUS	CS
	RHR C001A,B,C PUMP MOTOR AUTO TRIP	LOGIC OUTPUT
	FILL PUMP C002A,B,C TRIP	MCC
	RHR HEAT EXCHANGER B001A,B,C OUTLET FLOW TEMP HIGH	TIS-2607A,B,C
	RHR PUMP C001A,B,C OPERATION SWITCH IN PULL-LOCK	PULL LOCK
	RHR PUMPS C001A,B,C SUCTION VALVES CLOSED	LOGIC OUTPUT
	MODE SWITCH IN RW/FPC FOR RHR LOOPS B&C	KOS
	MCC EQUIPMENT IN TEST MODE (THERMAL OVERLOAD RELAY NOT BYPASSED)	KOS
	RHR PUMP C001A,B,C FLOW LOW	LOGIC OUTPUT

TABLE 2 (CON'T) ANNUNCIATOR / ALARM LIGHTS / STATUS LIGHTS		
INDICATOR	FUNCTION	INITIATING DEVICE
WHITE LIGHT	RHR LOOPS A,B,C INITIATION SIGNAL SEALED-IN	LOGIC OUTPUT
WHITE LIGHT	RHR INJECTION VALVE F005A,B,C MANUAL OVERRIDE	CS, LOGIC OUTPUT
WHITE LIGHT	RHR PUMP C001A,B,C MANUAL OVERRIDE	CS, LOGIC OUTPUT
RED LIGHT	SUPPRESSION POOL COOLING INITIATION	LOGIC OUTPUT
RED LIGHT	RCW COOLING OFF FOR TEST OR DRAIN	KOS
RED LIGHT	CONTAINMENT SPRAY INITIATION	LOGIC OUTPUT

Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 19 of 20)

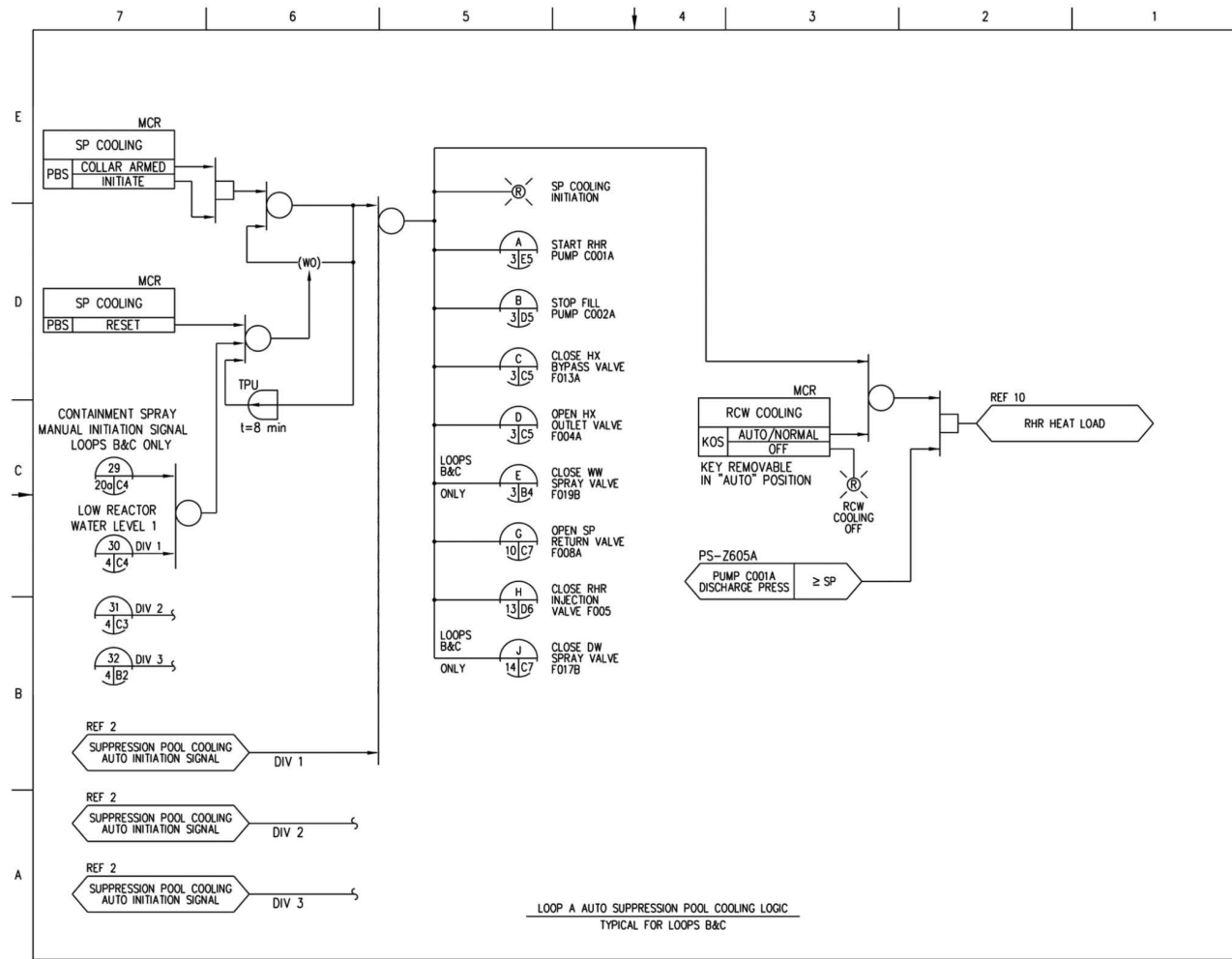


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 20 of 20)