

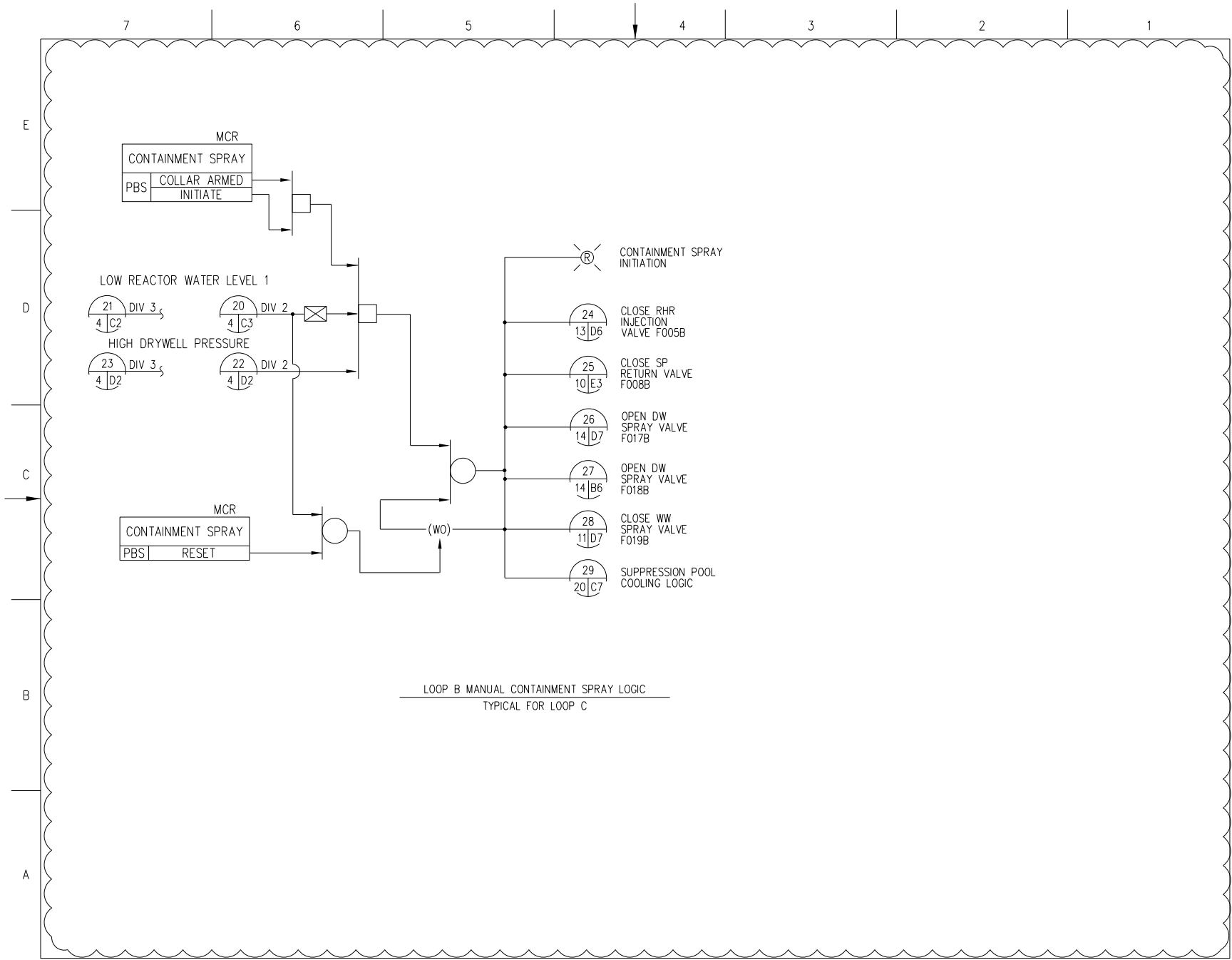


Figure 7.3-4 – Residual Heat Removal System IBD (Sheet 20a of 20)

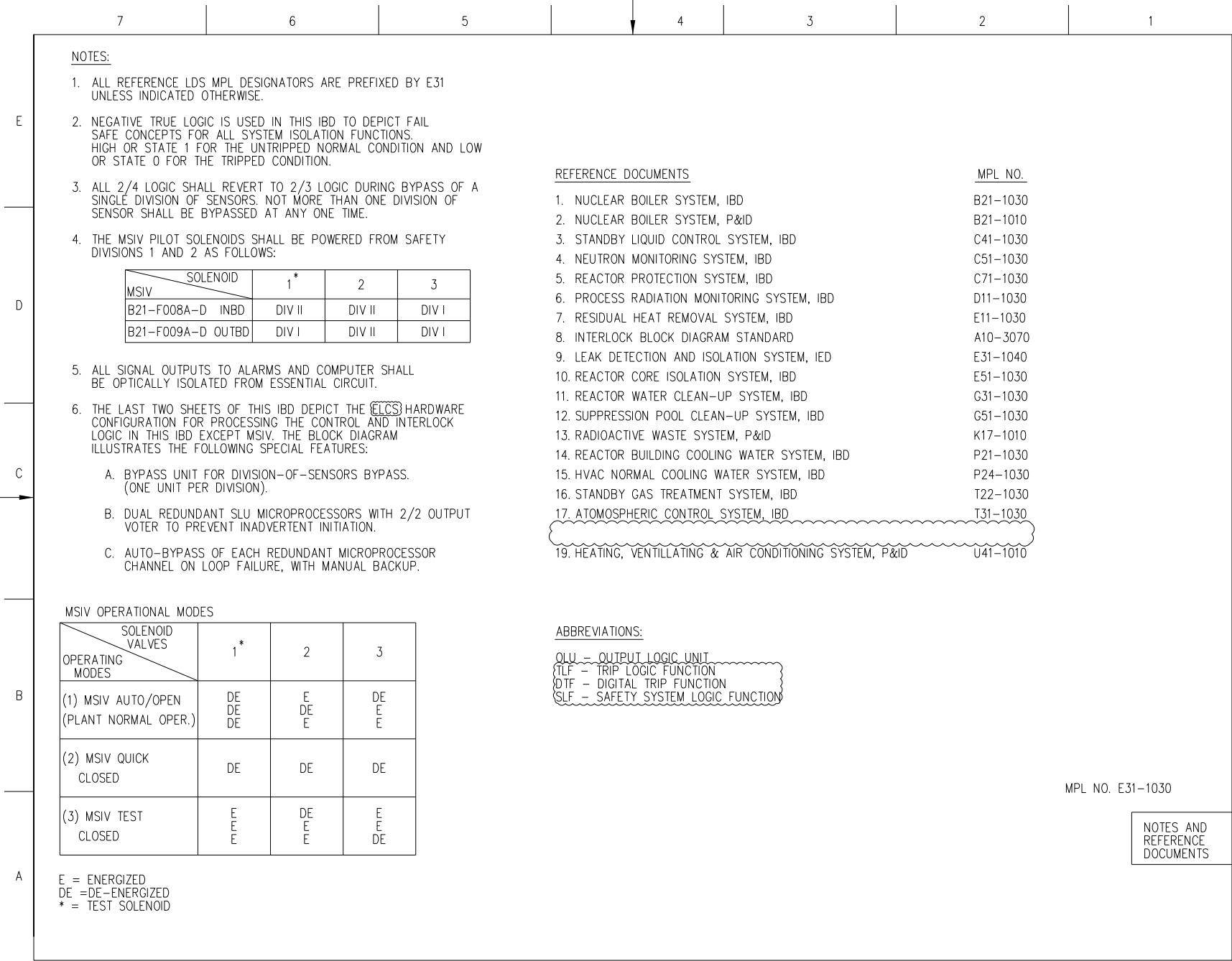
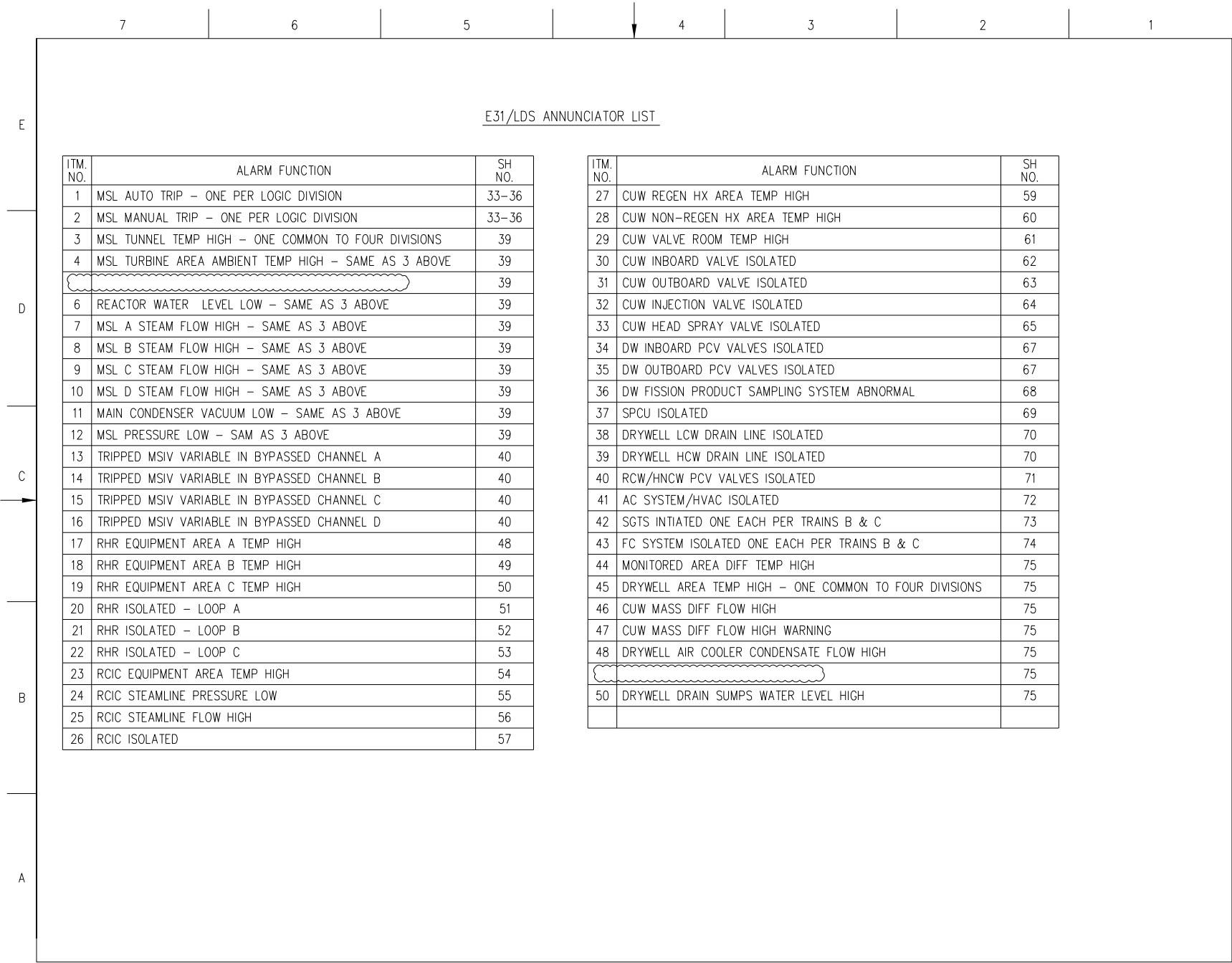


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 1 of 77)

SH NO.	TITLE	SH NO.	TITLE	SH NO.	TITLE
1	NOTES & REFERENCE DOCUMENTS	31	MSL C OUTBOARD MSIV CONTROL LOGIC	61	CUW VALVE ROOM TEMP TRIP LOGIC
2	CONTENTS	32	MSL D OUTBOARD MSIV CONTROL LOGIC	62	CUW INBOARD VALVE ISOLATION LOGIC
3	INDEX OF ALARMS	33	MANUAL & AUTO MSL ISOLATION LOGIC – DIV 1	63	CUW OUTBOARD VALVE ISOLATION LOGIC
4	MSIV SENSORS & TRIP LOGIC – DIV 1	34	MANUAL & AUTO MSL ISOLATION LOGIC – DIV 2	64	CUW INJECTION & PURGE LINE VALVES ISOLATION LOGIC
5	MSIV SENSORS & TRIP LOGIC – DIV 2	35	MANUAL & AUTO MSL ISOLATION LOGIC – DIV 3	65	CUW HEAD SPRAY VALVE ISOLATION LOGIC
6	MSIV SENSORS & TRIP LOGIC – DIV 3	36	MANUAL & AUTO MSL ISOLATION LOGIC – DIV 4	66	DRYWELL FISSION PRODUCTS SAMPLING PUMPS
7	MSIV SENSORS & TRIP LOGIC – DIV 4	37	INBOARD MSIV CONTROL LOGIC	67	DRYWELL FISSION PRODUCTS ISOLATION VALVES
8	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 1	38	OUTBOARD MSIV CONTROL LOGIC	68	DRYWELL FISSION PRODUCTS MISC CIRCUIT LOGIC
9	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 1	39	ANNUNCIATORS – MSIV TRIP INDICATION	69	SPCU ISOLATION LOGIC
10	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 1	40	ANNUNCIATORS – MSIV TRIPPED IN BYPASS CHANNEL	70	DW LCW & HCW SUMP DRAIN LINES ISOLATION LOGIC
11	MSIV AUTO ISOLATION TRIP LOGIC – DIV 1	41	LDS SENSORS & TRIP LOGIC – DIV 1	71	RCW/HNCW PCV VALVES ISOLATION LOGIC
12	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 2	42	LDS SENSORS & TRIP LOGIC – DIV 2	72	AC SYSTEM & R/B HVAC ISOLATION LOGIC
13	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 2	43	LDS SENSORS & TRIP LOGIC – DIV 3	73	SGTS INITIATION LOGIC
14	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 2	44	LDS SENSORS & TRIP LOGIC – DIV 4		
15	MSIV AUTO ISOLATION TRIP LOGIC – DIV 2	45	LDS VOTING & BYPASS LOGIC – DIV 1	75	MISC LOGIC & ANNUNCIATORS
16	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 3	46	LDS VOTING & BYPASS LOGIC – DIV 2	76	ELCS/ECCS/LDS BLOCK DIAGRAM
17	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 3	47	LDS VOTING & BYPASS LOGIC – DIV 3	77	ELCS/ECCS/LDS BLOCK DIAGRAM (CONT'D)
18	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 3	48	RHR AREA A TEMP TRIP LOGIC		
19	MSIV AUTO ISOLATION TRIP LOGIC – DIV 3	49	RHR AREA B TEMP TRIP LOGIC		
20	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 4	50	RHR AREA C TEMP TRIP LOGIC		
21	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 4	51	RHR LOOP A ISOLATION LOGIC		
22	MSIV VOTING & CHANNEL BYPASS LOGIC – DIV 4	52	RHR LOOP B ISOLATION LOGIC		
23	MSIV AUTO ISOLATION TRIP LOGIC – DIV 4	53	RHR LOOP C ISOLATION LOGIC		
24	MSIV POSITION SENSORS LOGIC	54	RCIC AREA TEMP TRIP LOGIC		
25	MSL A INBOARD MSIV CONTROL LOGIC	55	RCIC LOW SL PRESSURE TRIP LOGIC		
26	MSL B INBOARD MSIV CONTROL LOGIC	56	RCIC HIGH SL FLOW TRIP LOGIC		
27	MSL C INBOARD MSIV CONTROL LOGIC	57	RCIC ISOLATION LOGIC		
28	MSL D INBOARD MSIV CONTROL LOGIC	58	CUW MASS DIFF FLOW TRIP LOGIC		
29	MSL A OUTBOARD MSIV CONTROL LOGIC	59	CUW REG HX TEMP TRIP LOGIC		
30	MSL B OUTBOARD MSIV CONTROL LOGIC	60	CUW NON-REG HX TEMP TRIP LOGIC		

Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 2 of 77)



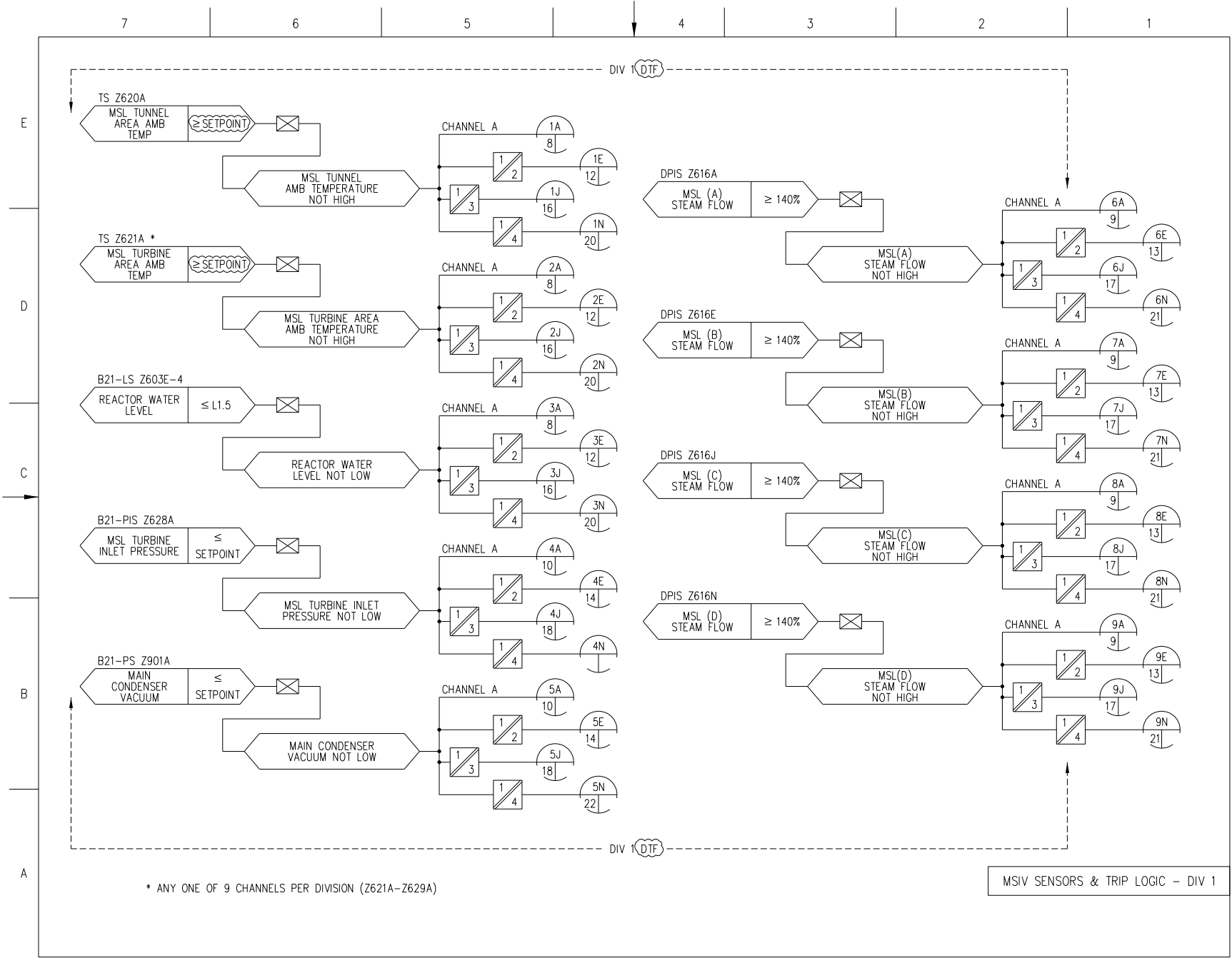


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 4 of 77)

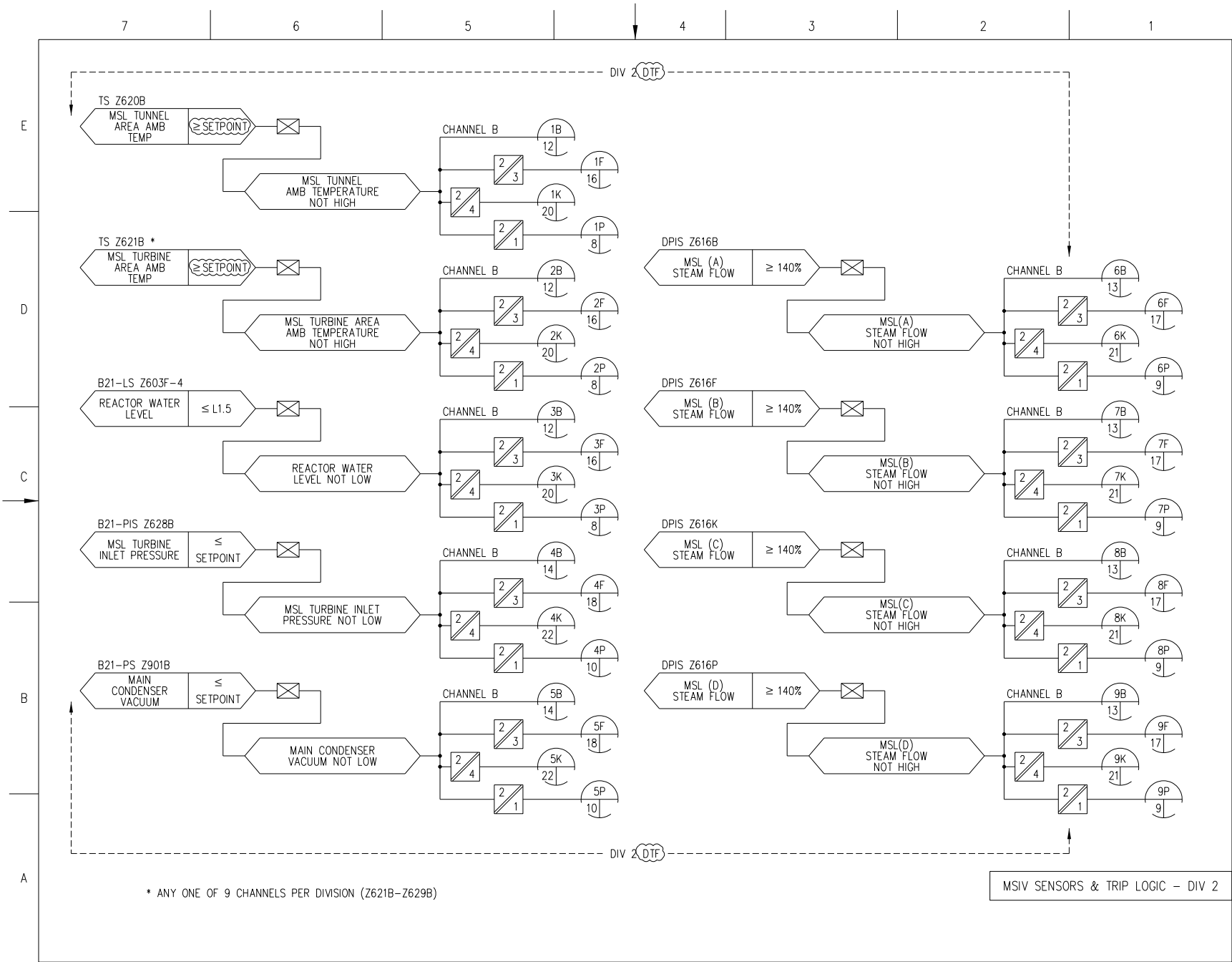


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 5 of 77)

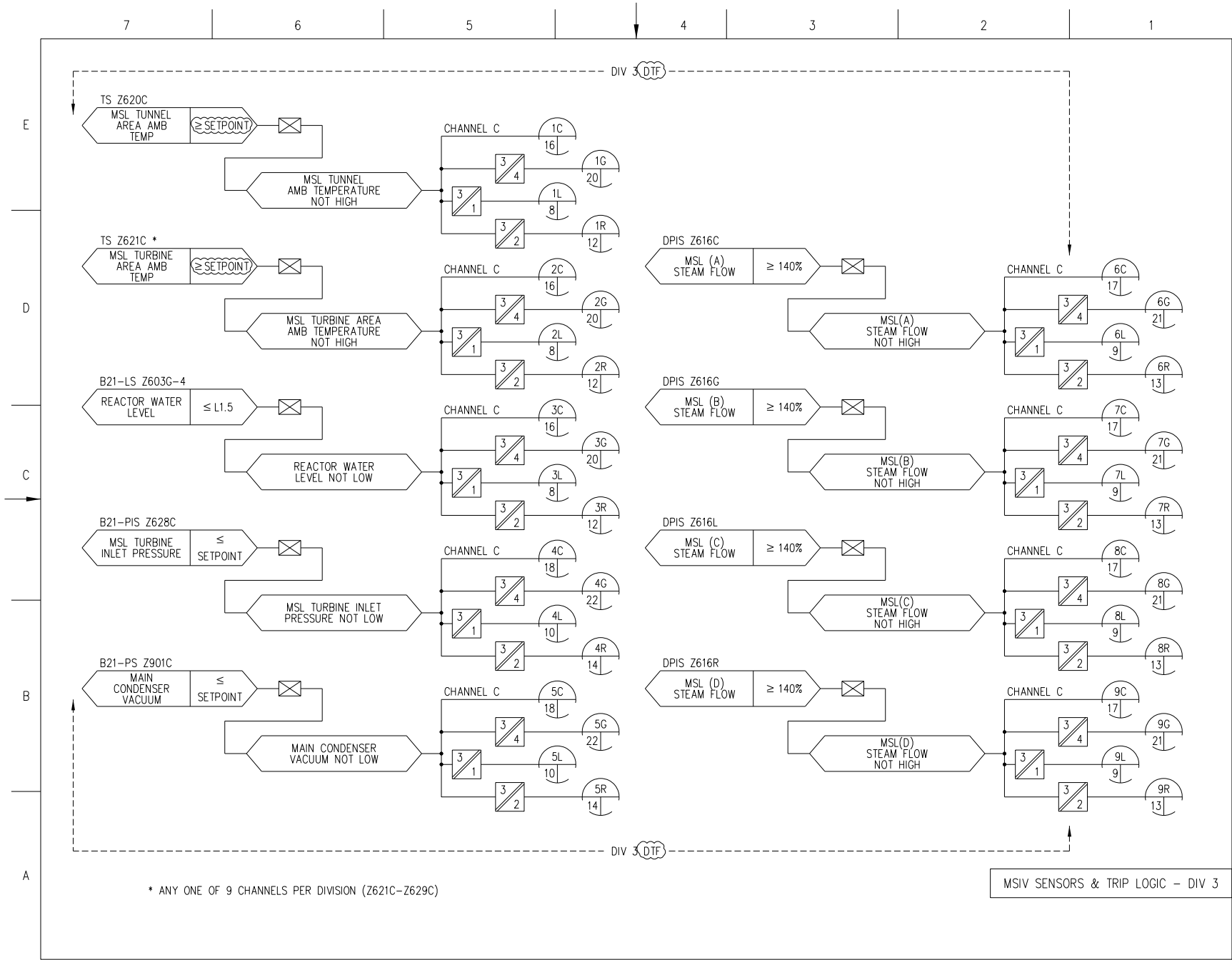


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 6 of 77)

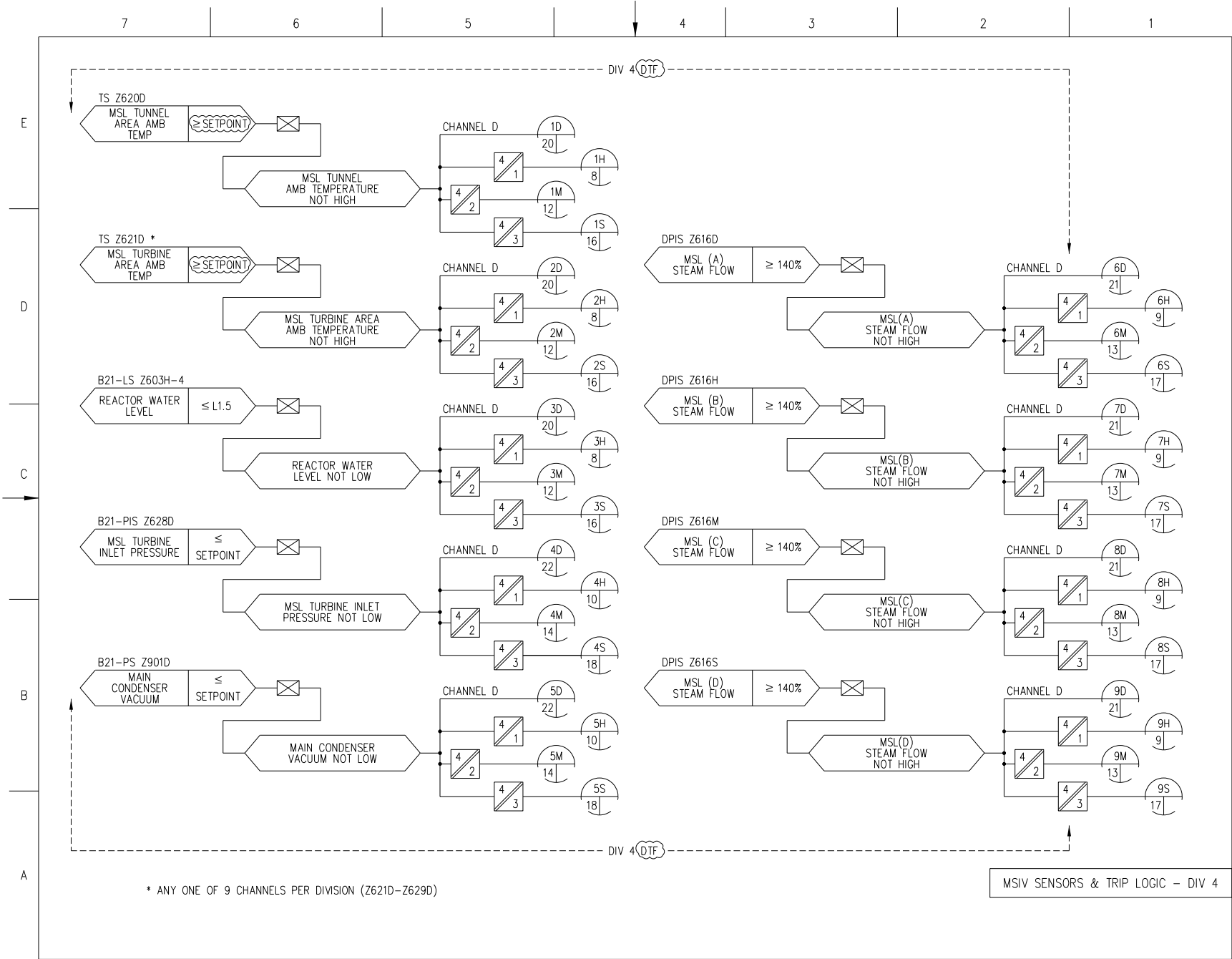


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 7 of 77)

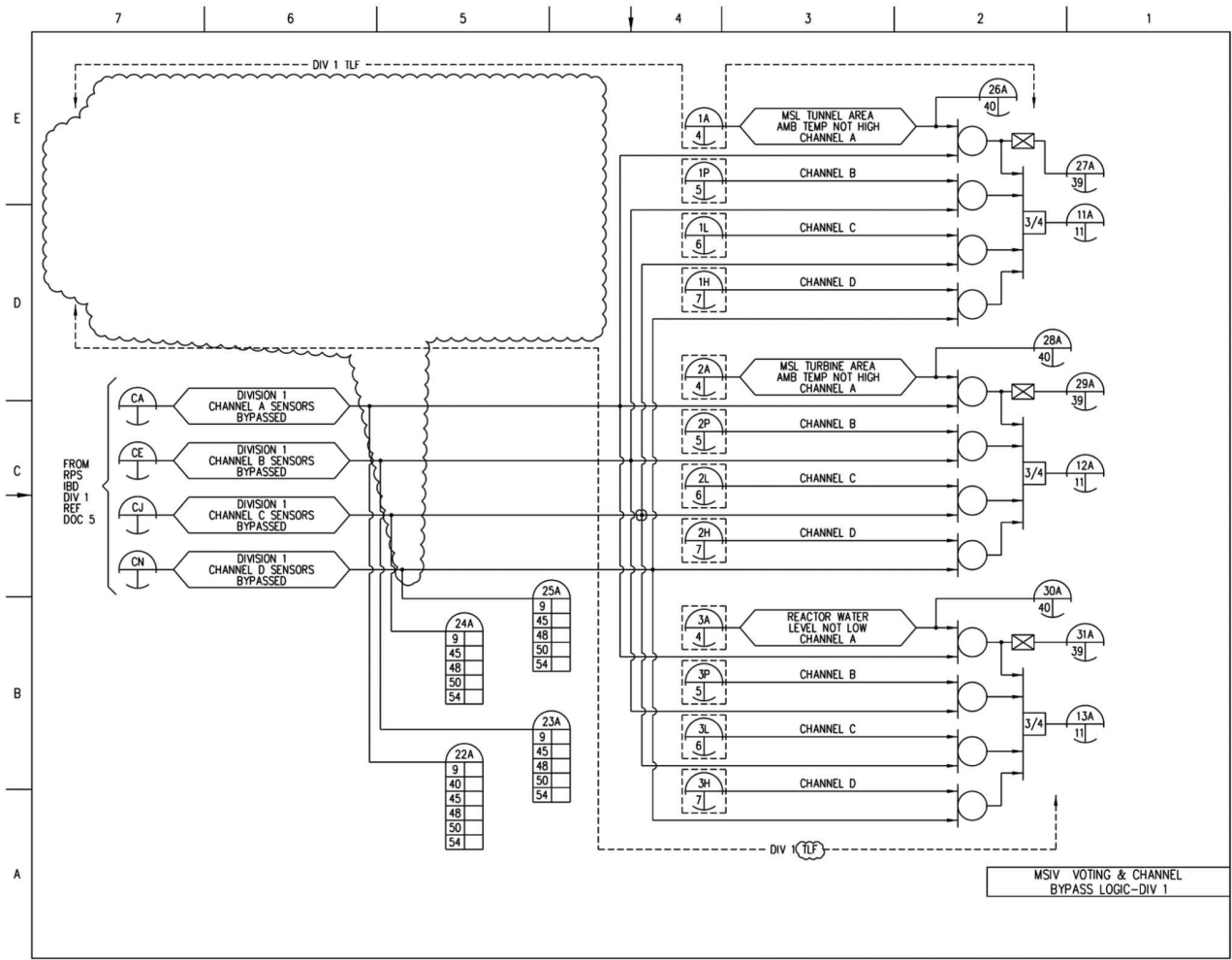


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 8 of 77)

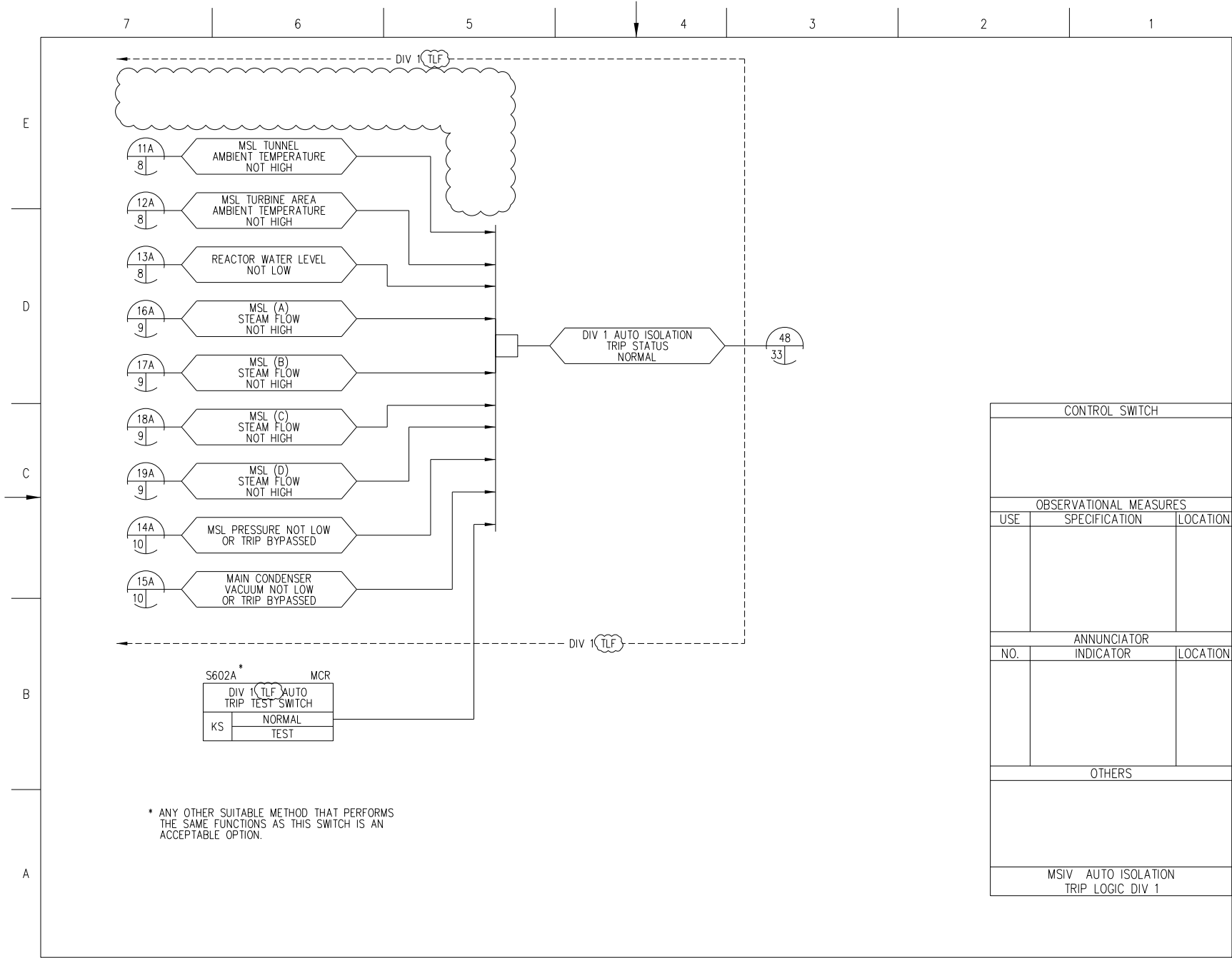
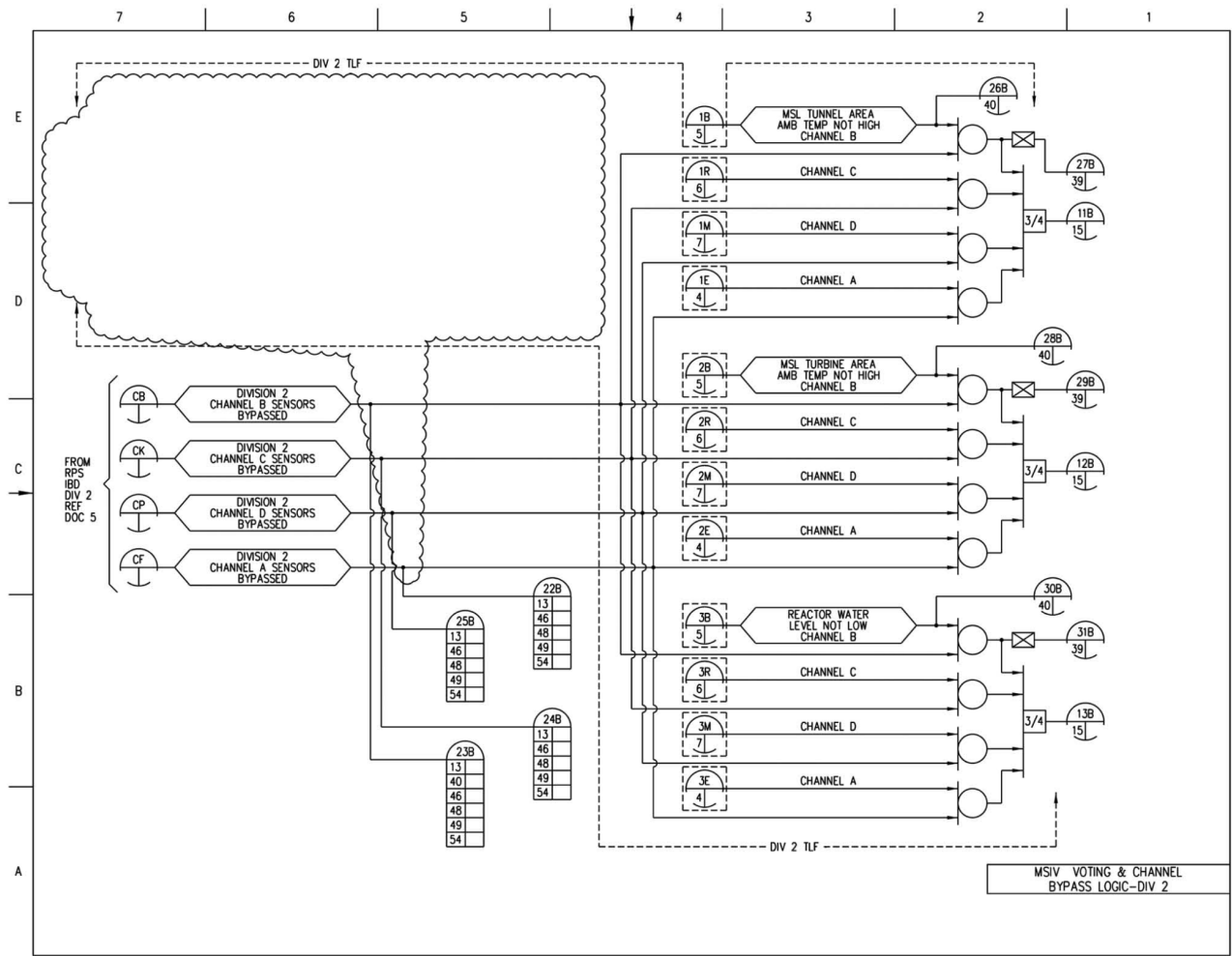


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 11 of 77)



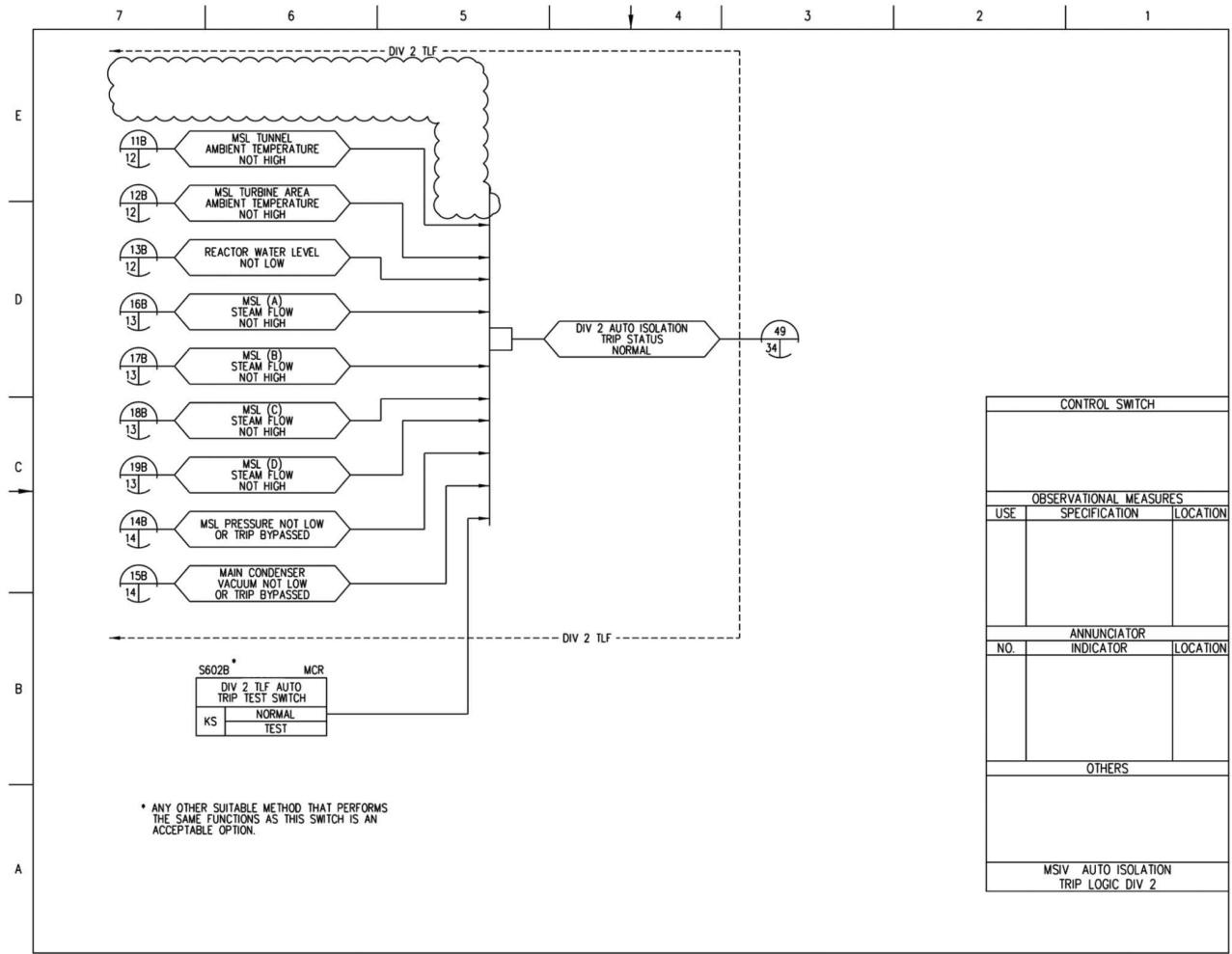


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 15 of 77)

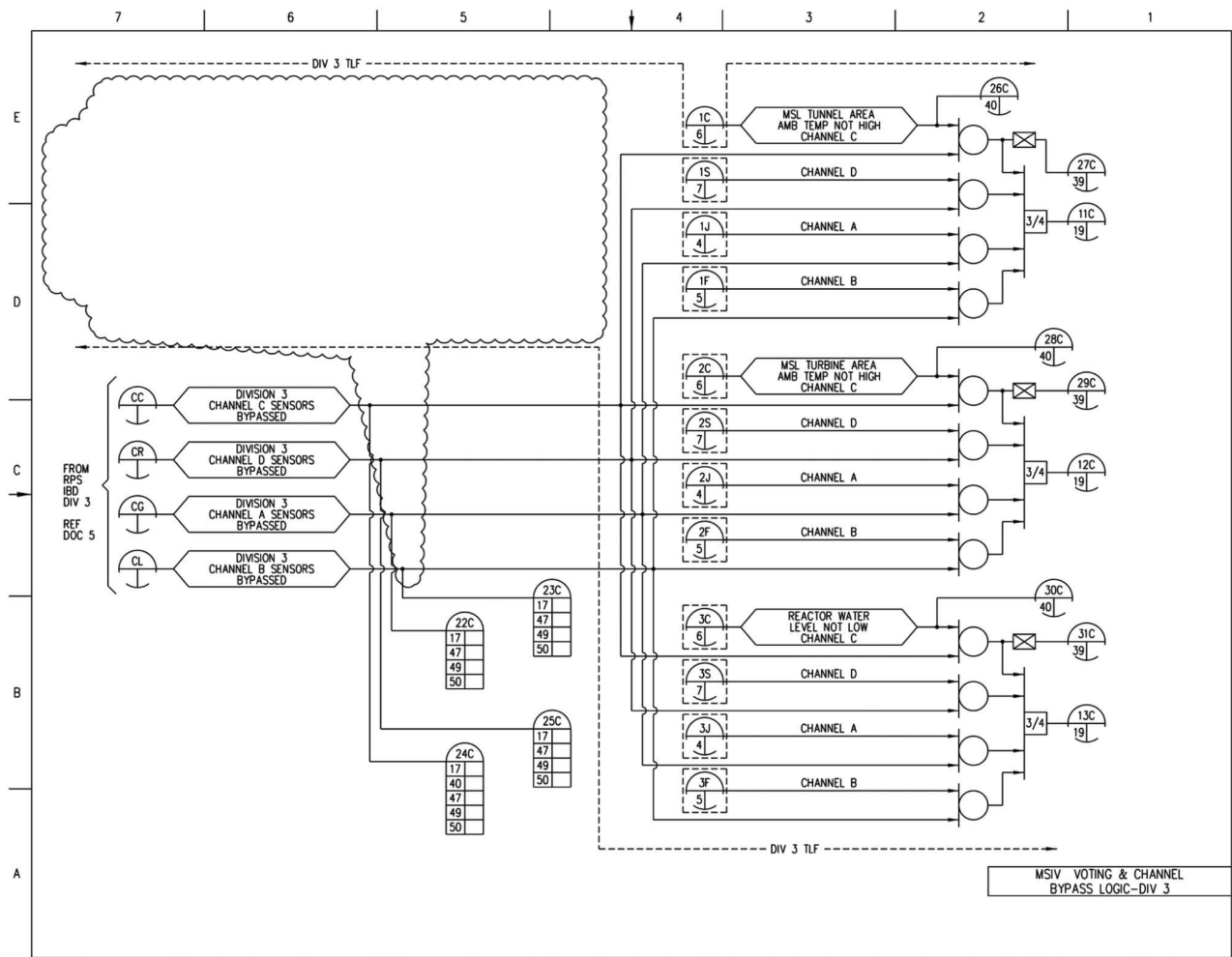


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 16 of 77)

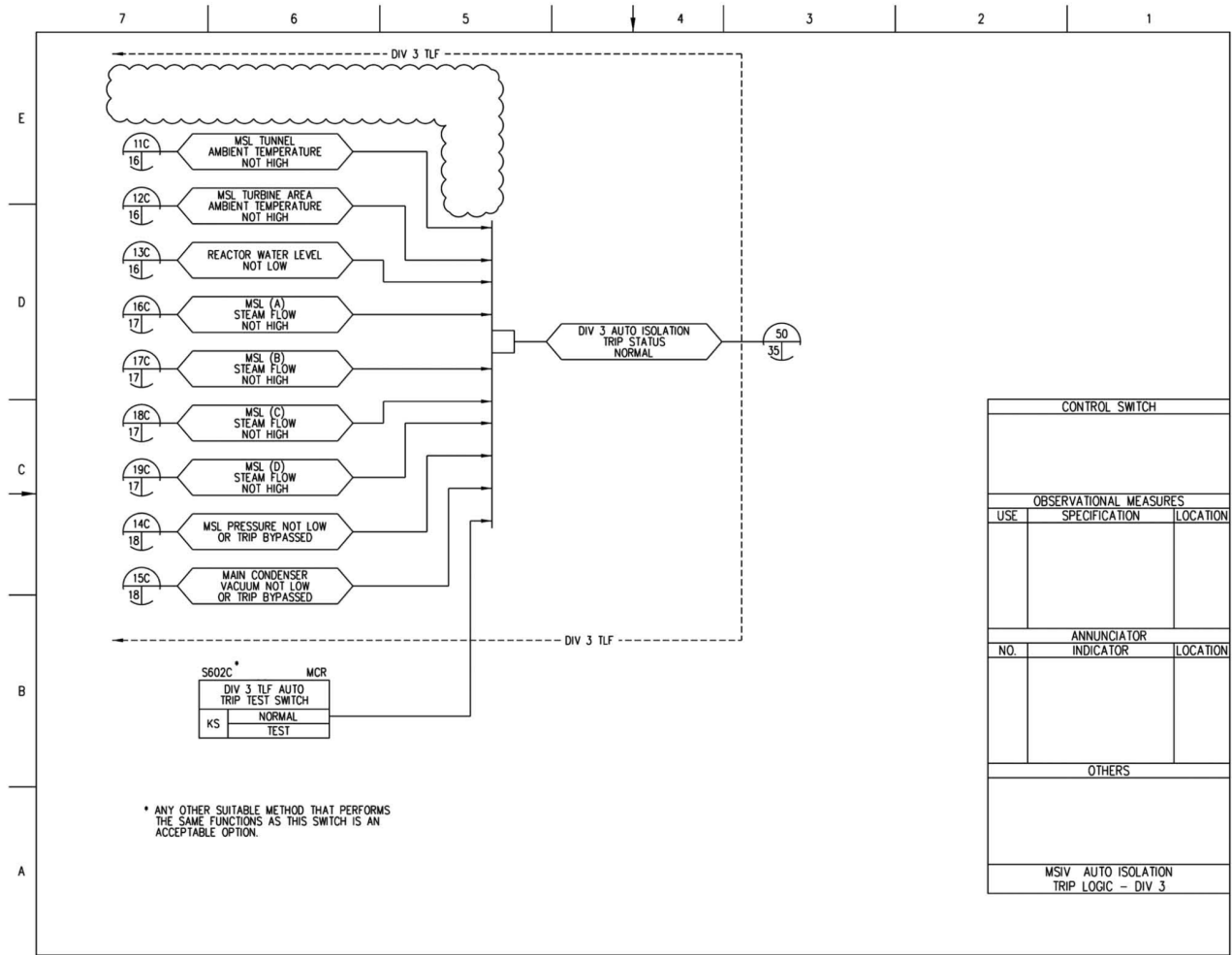


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 19 of 77)

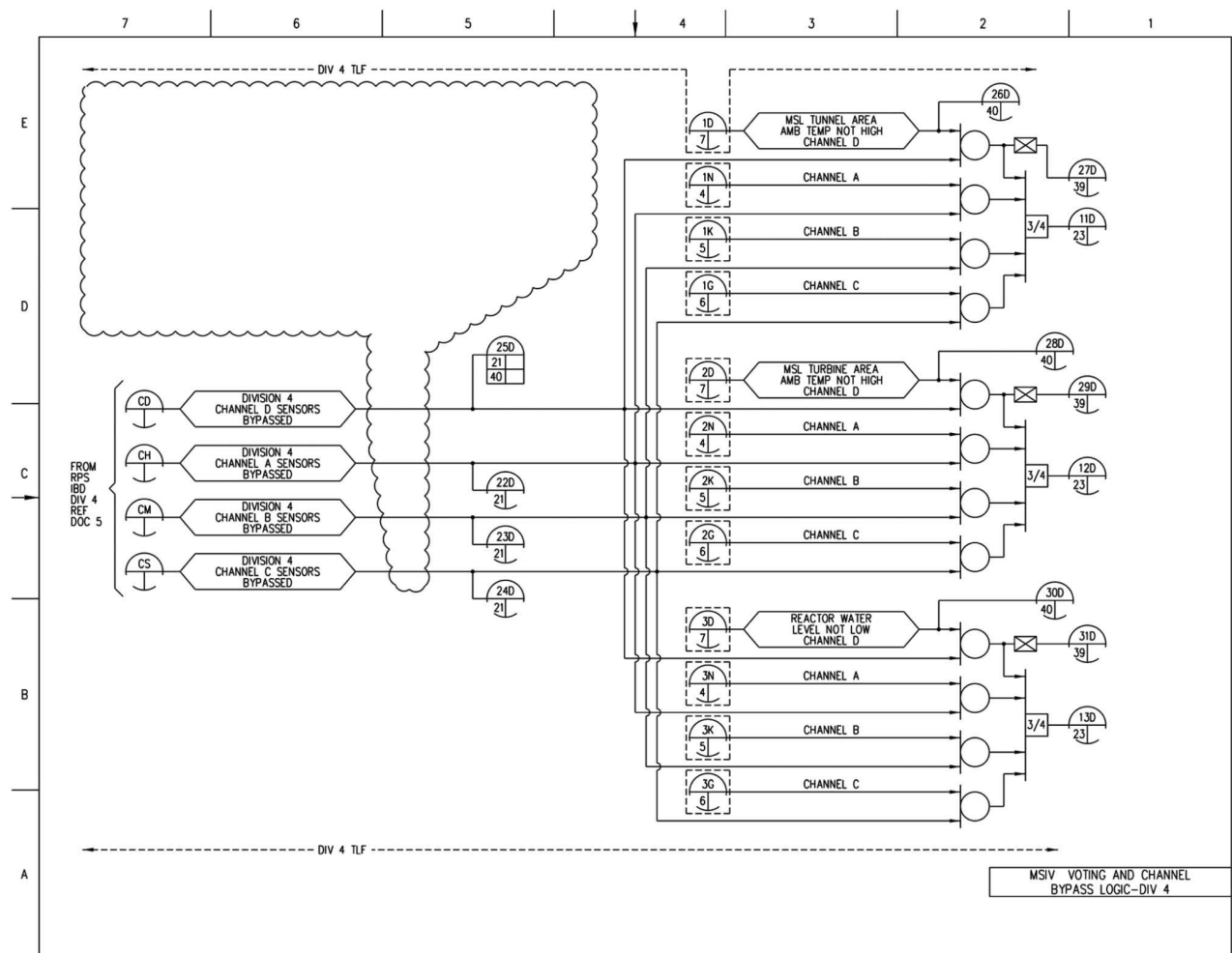


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 20 of 77)

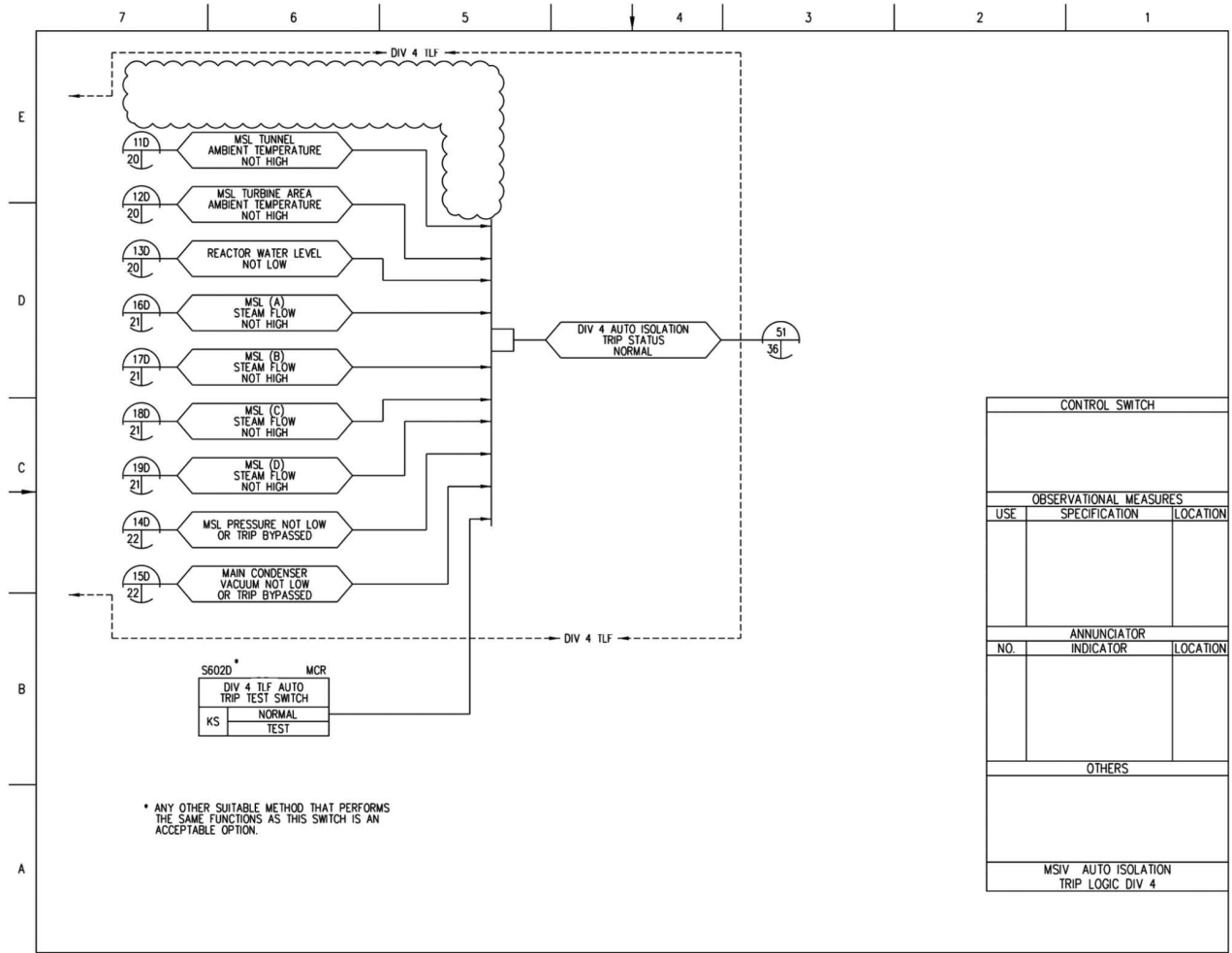


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 23 of 77)

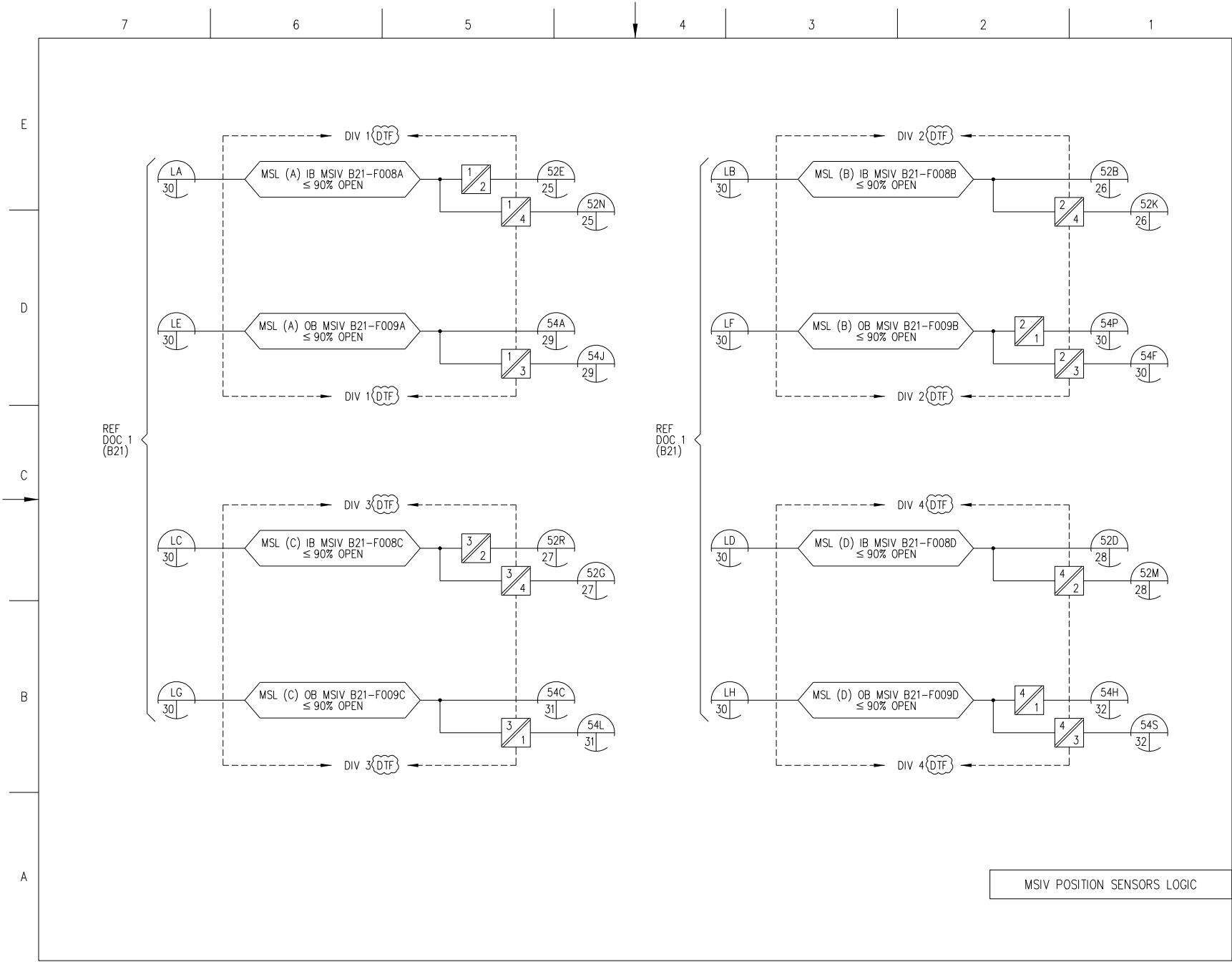


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 24 of 77)

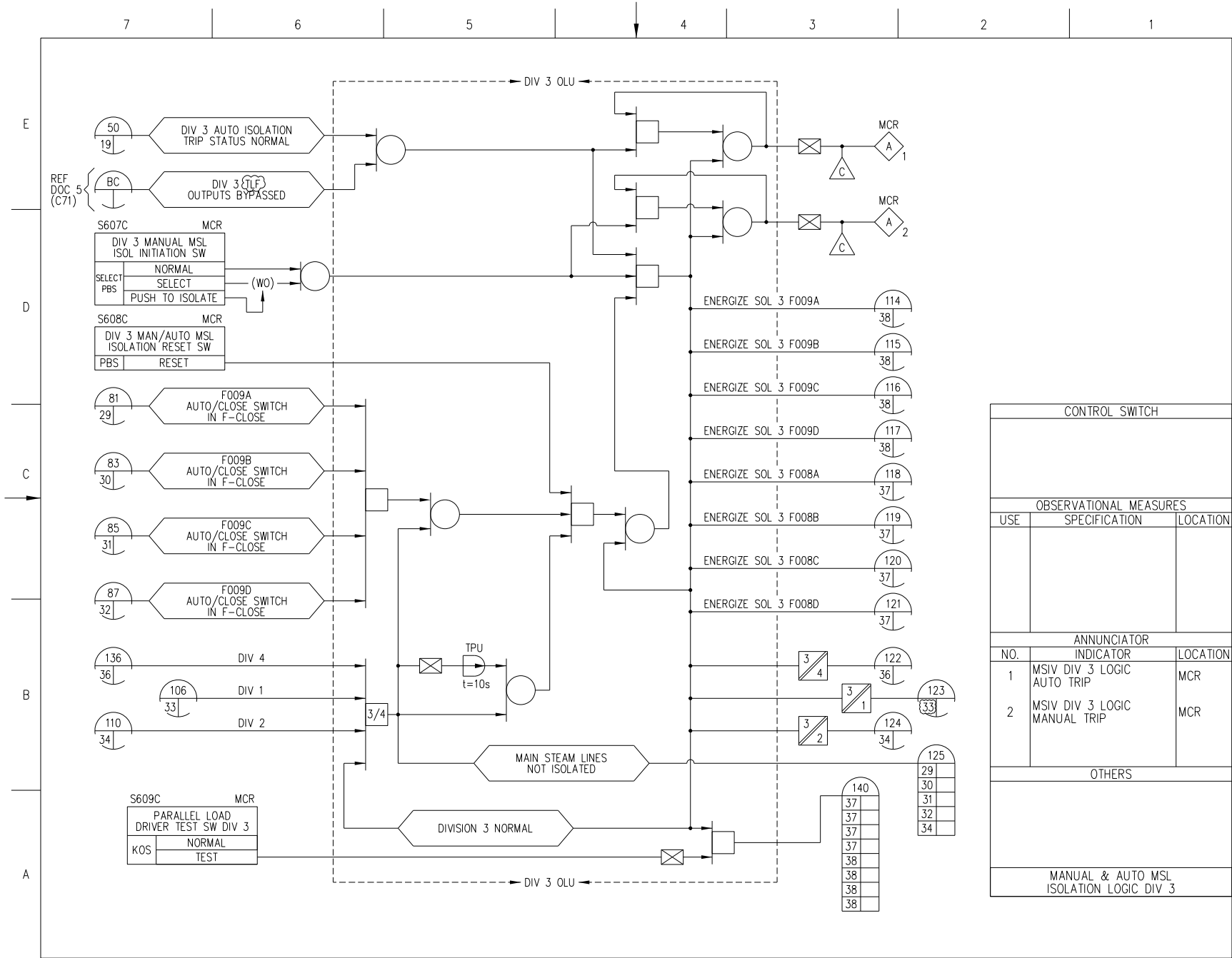


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 35 of 77)

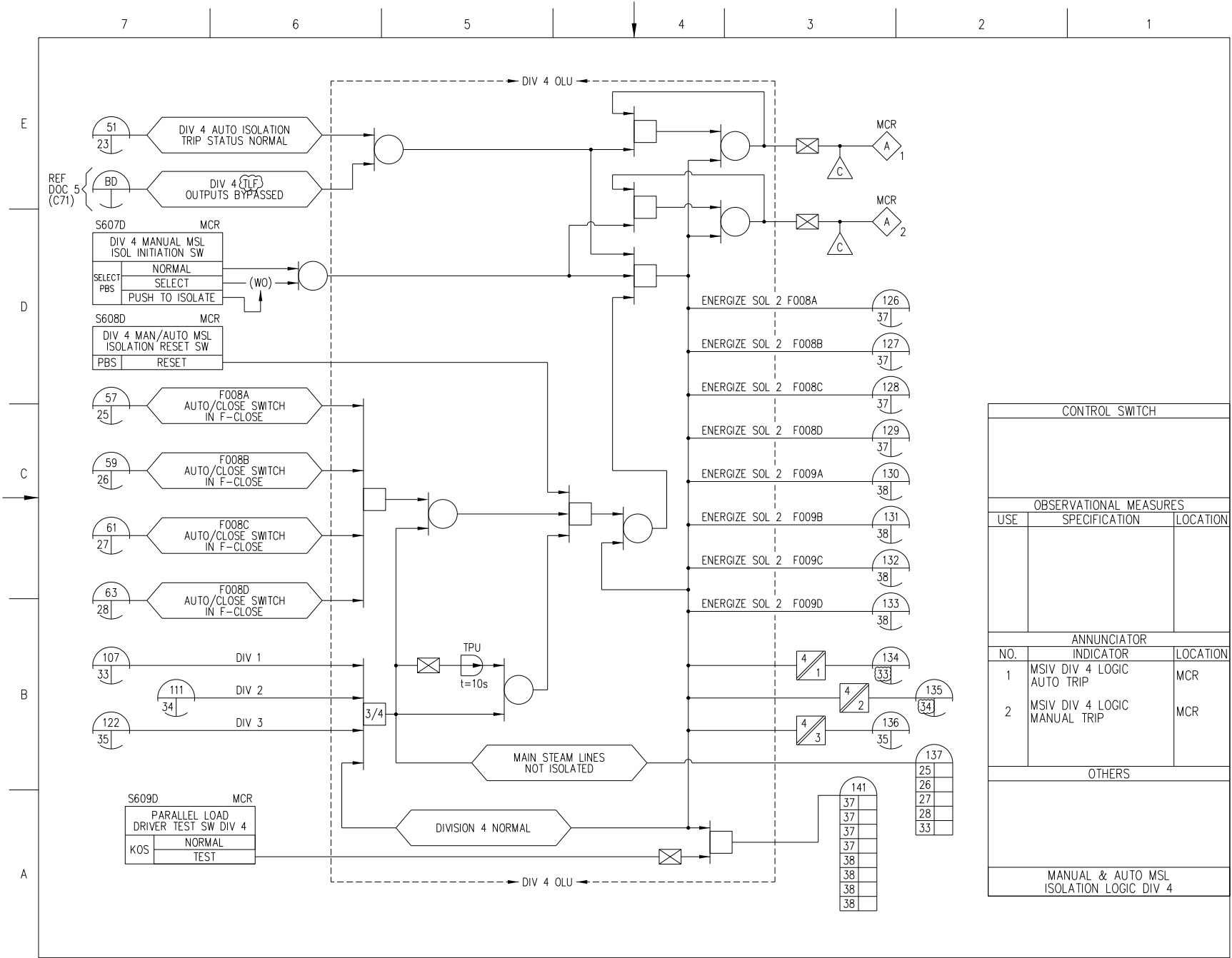


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 36 of 77)

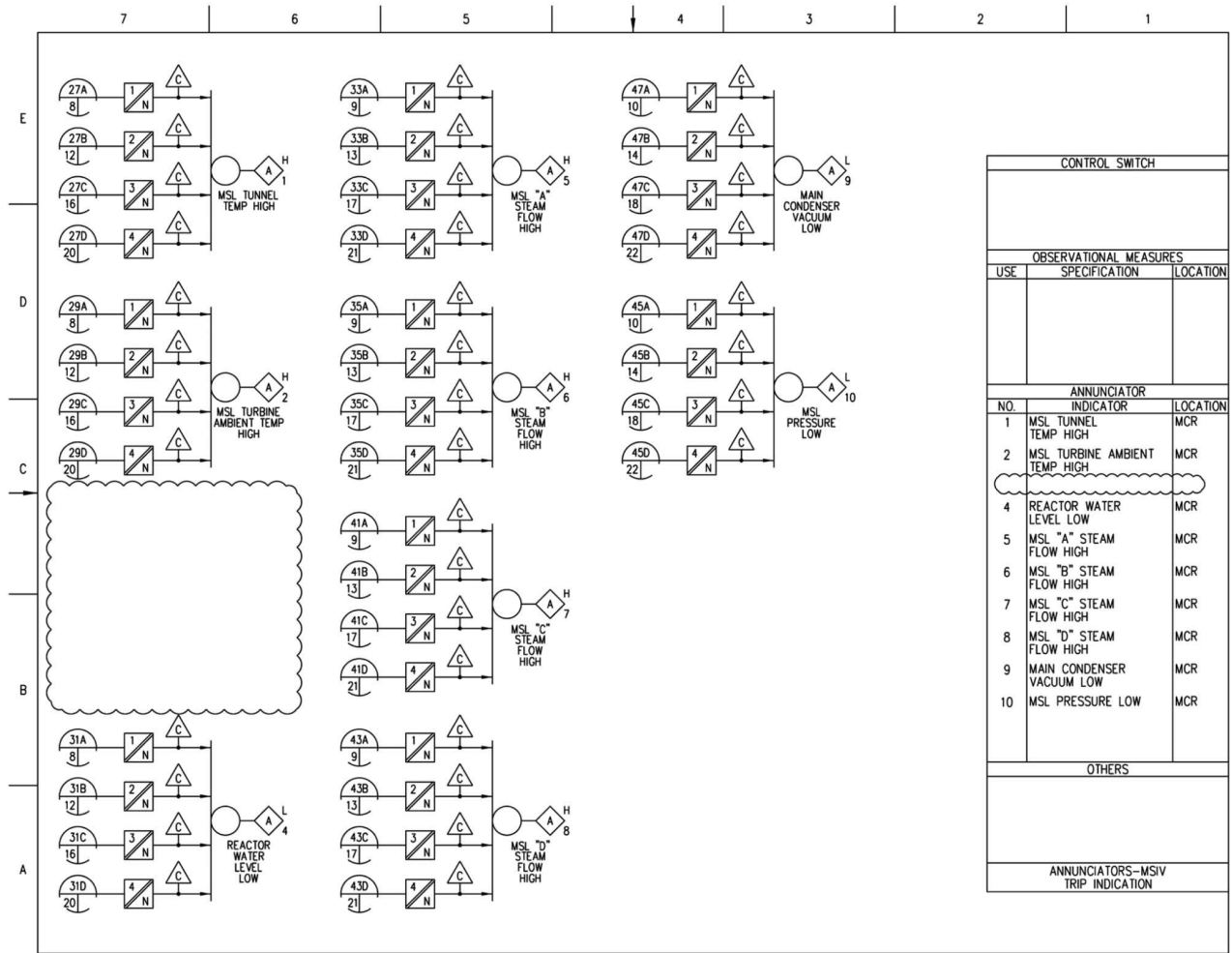


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 39 of 77)

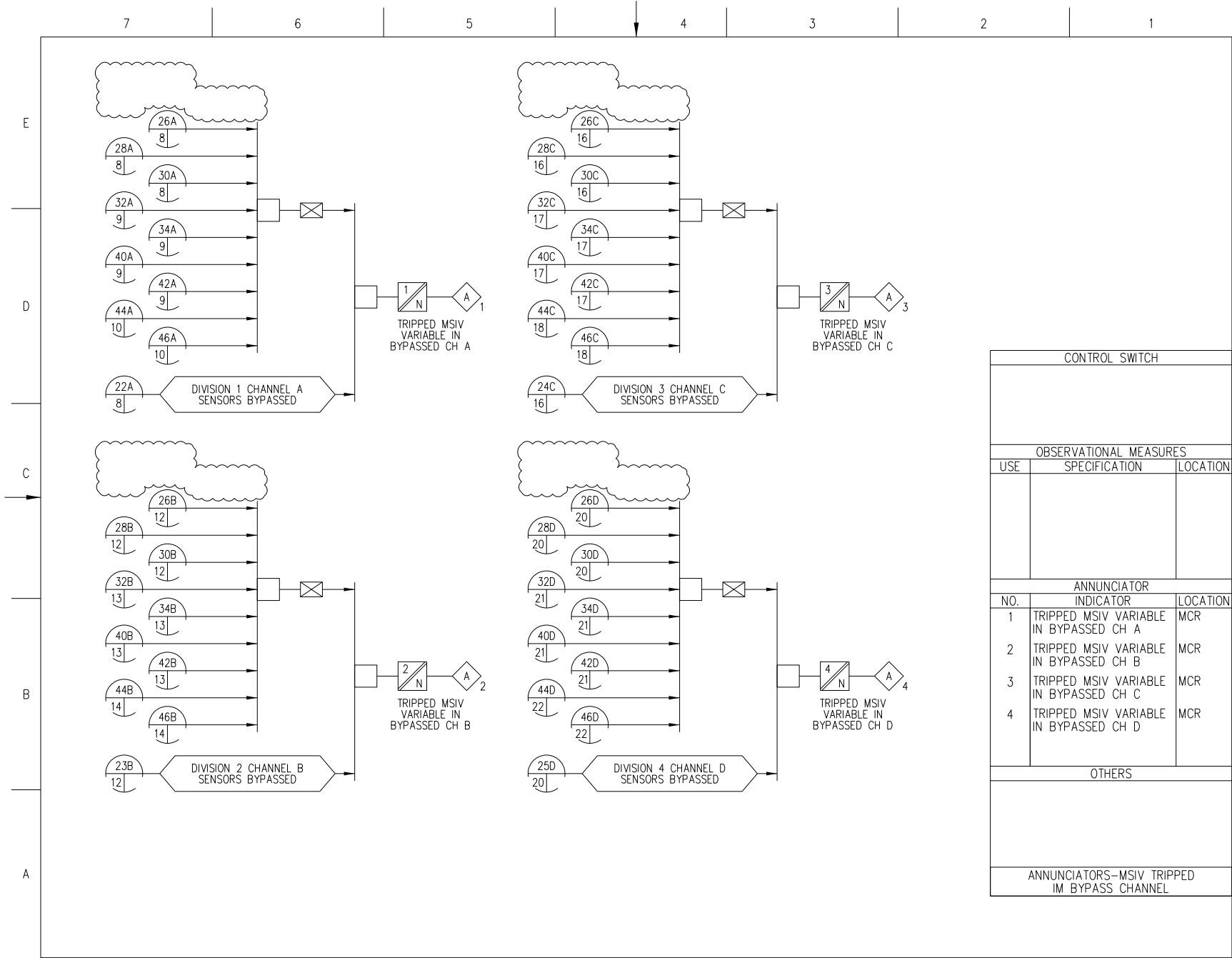


Figure 7.3-5 – Leak Detection and Isolation System IBD (Sheet 40 of 77)