

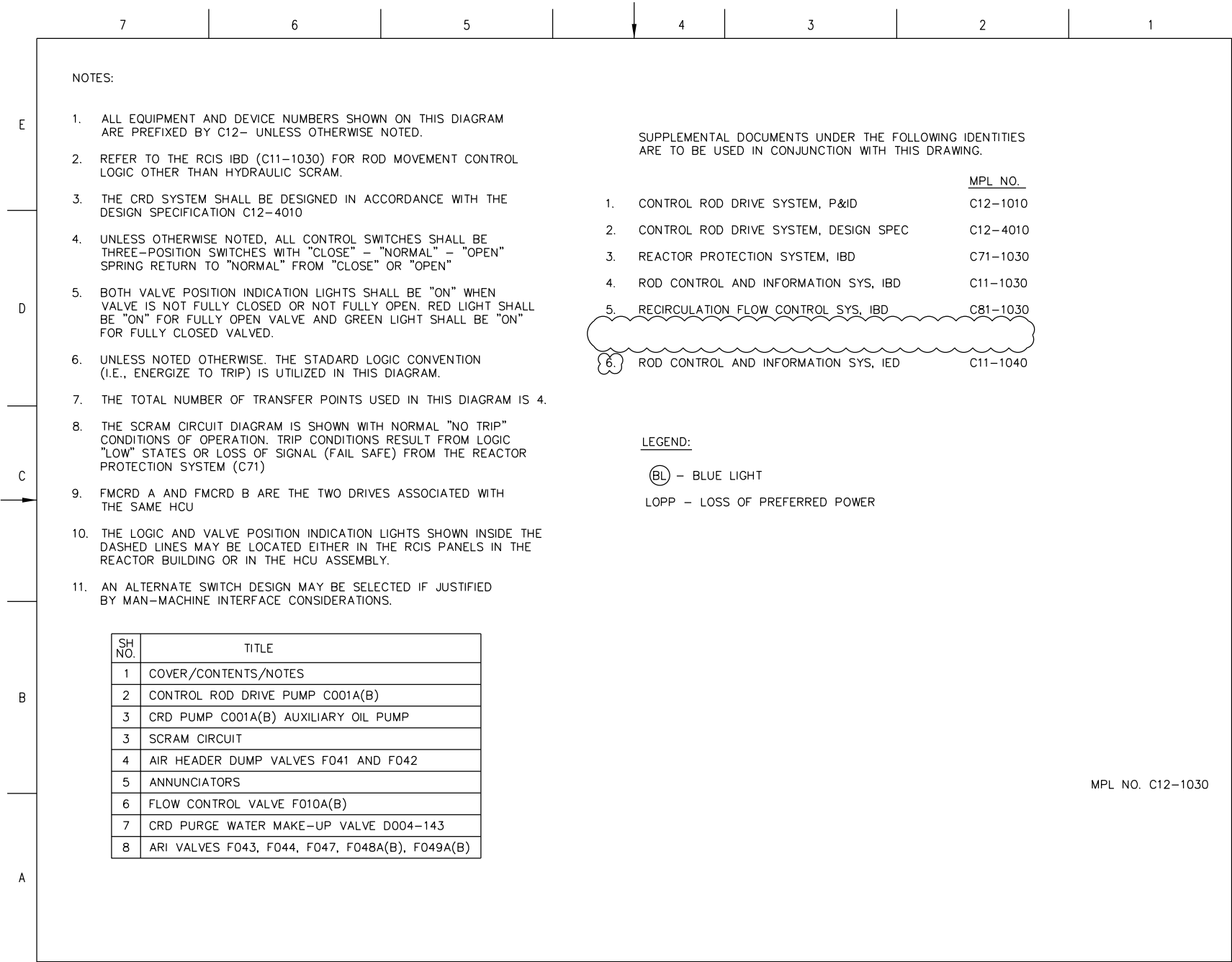


FIGURE 7.7-4 CONTROL ROD DRIVE SYSTEM IBD (Sheet 1 of 8)
STP 3 & 4 Rev.2

Figure 7.7-4 – Control Rod Drive System IBD (Sheet 1 of 8)

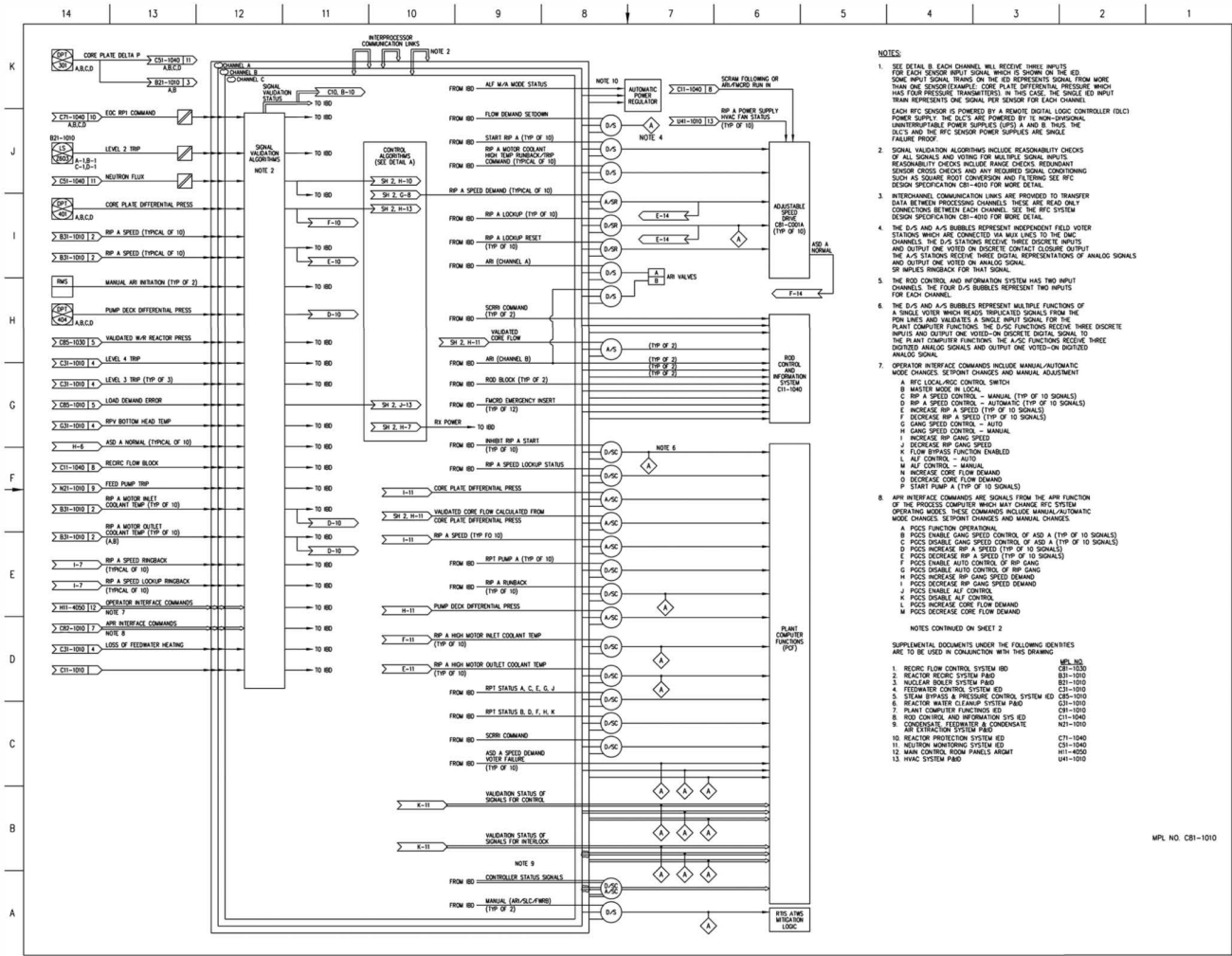


Figure 7.7-5 – Recirculation Flow Control System IED (Sheet 1 of 2)

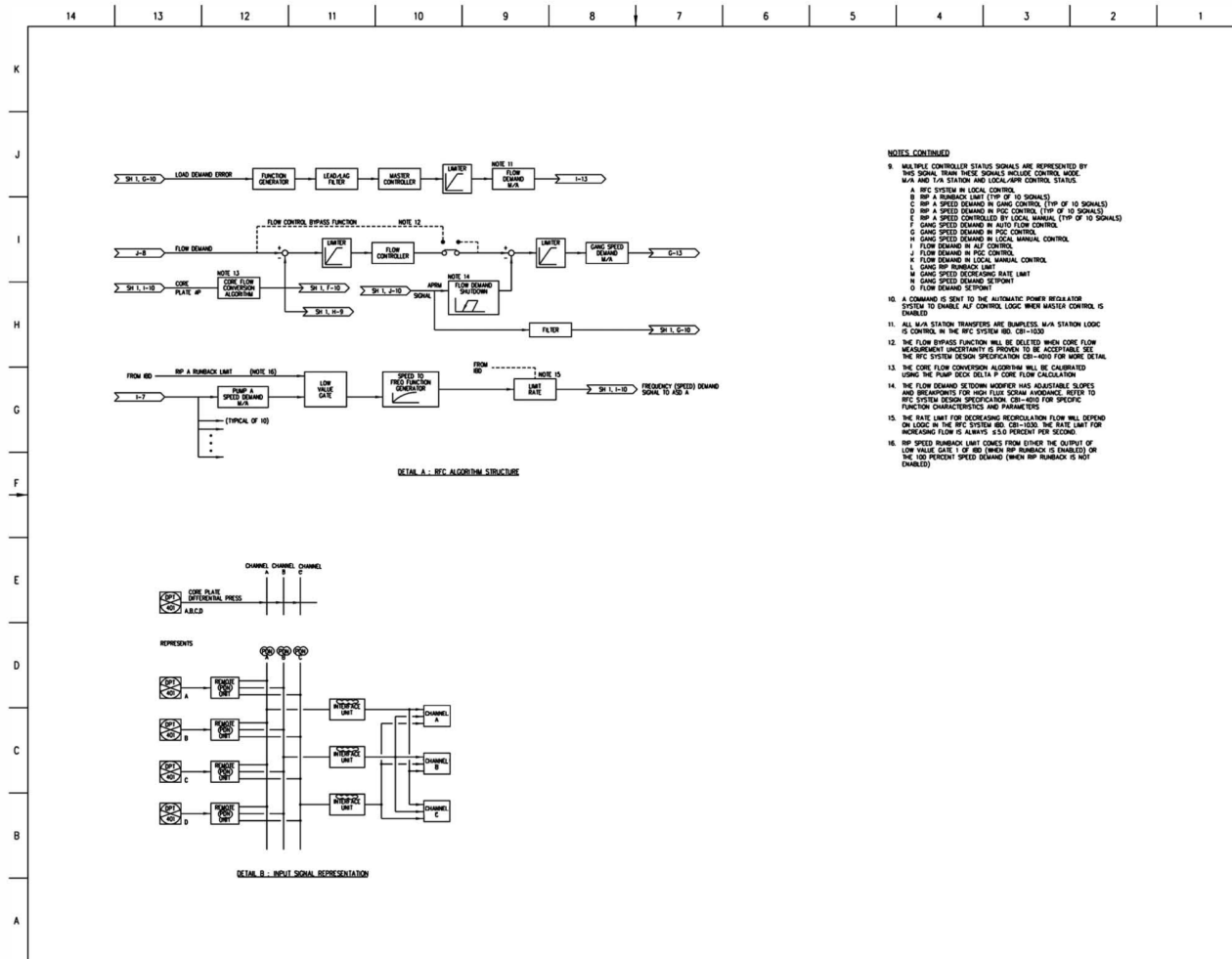


Figure 7.7-5 – Recirculation Flow Control System IED (Sheet 2 of 2)

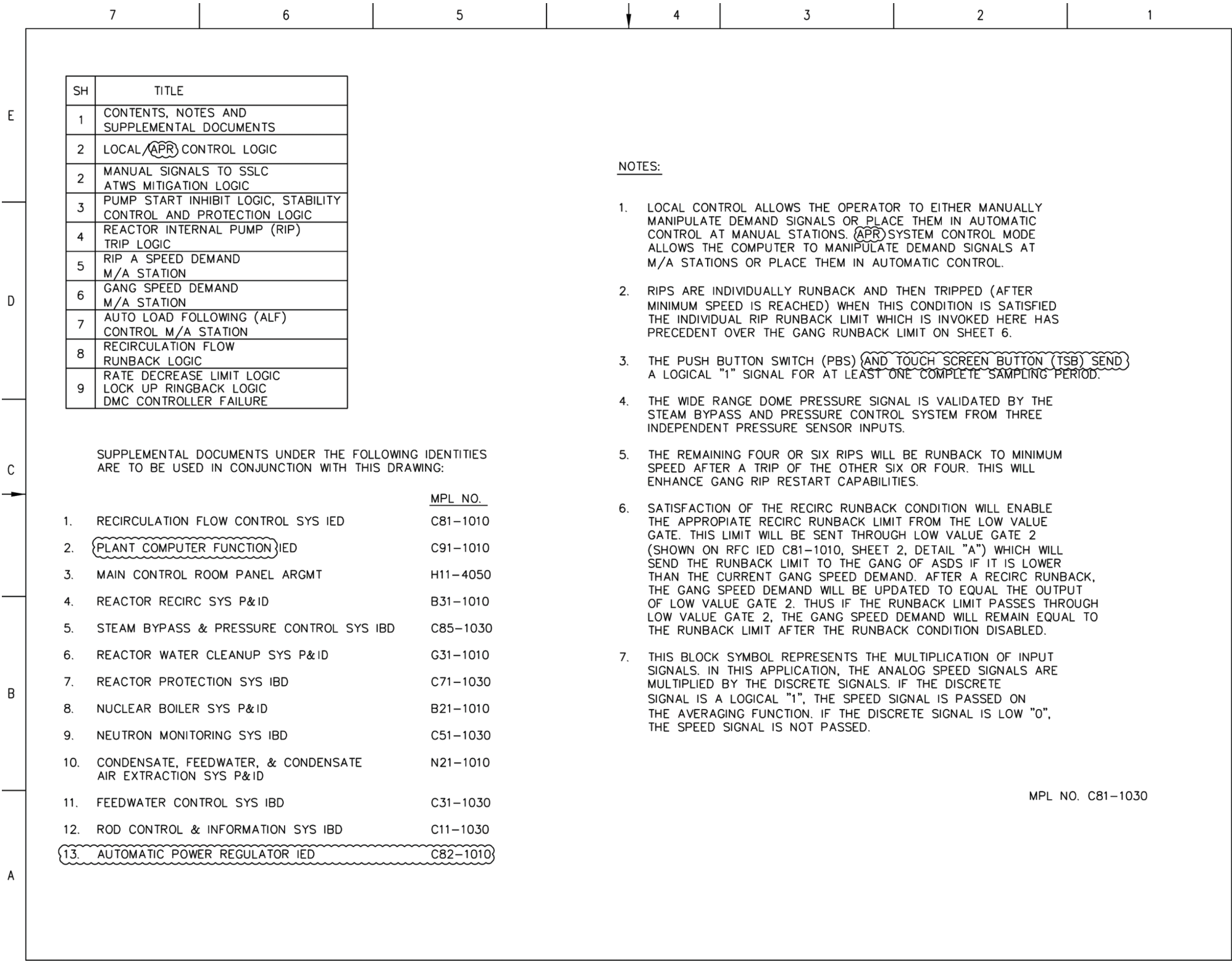


Figure 7.7-7 – Recirculation Flow Control System IBD (Sheet 1 of 9)

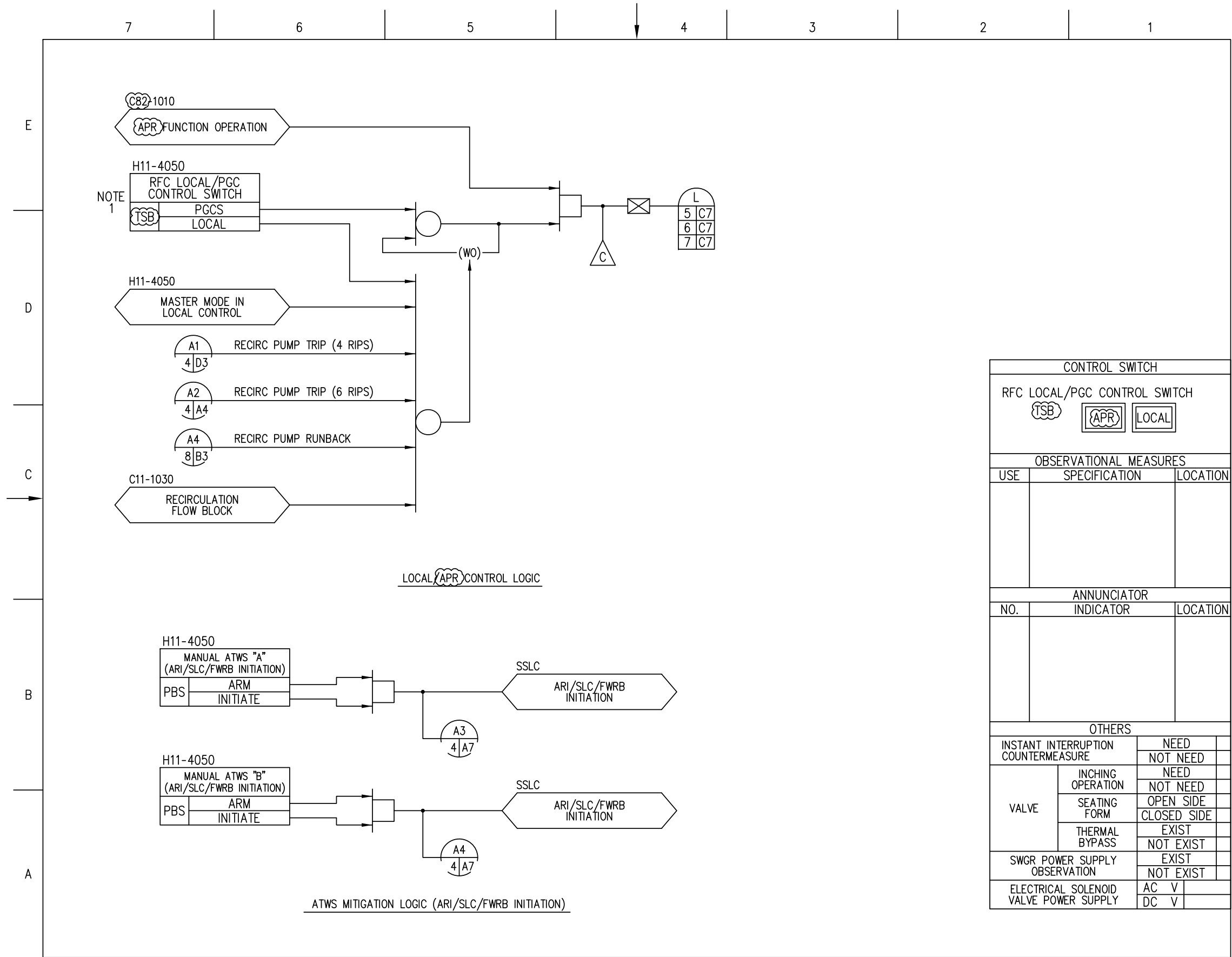


Figure 7.7-7 – Recirculation Flow Control System IBD (Sheet 2 of 9)

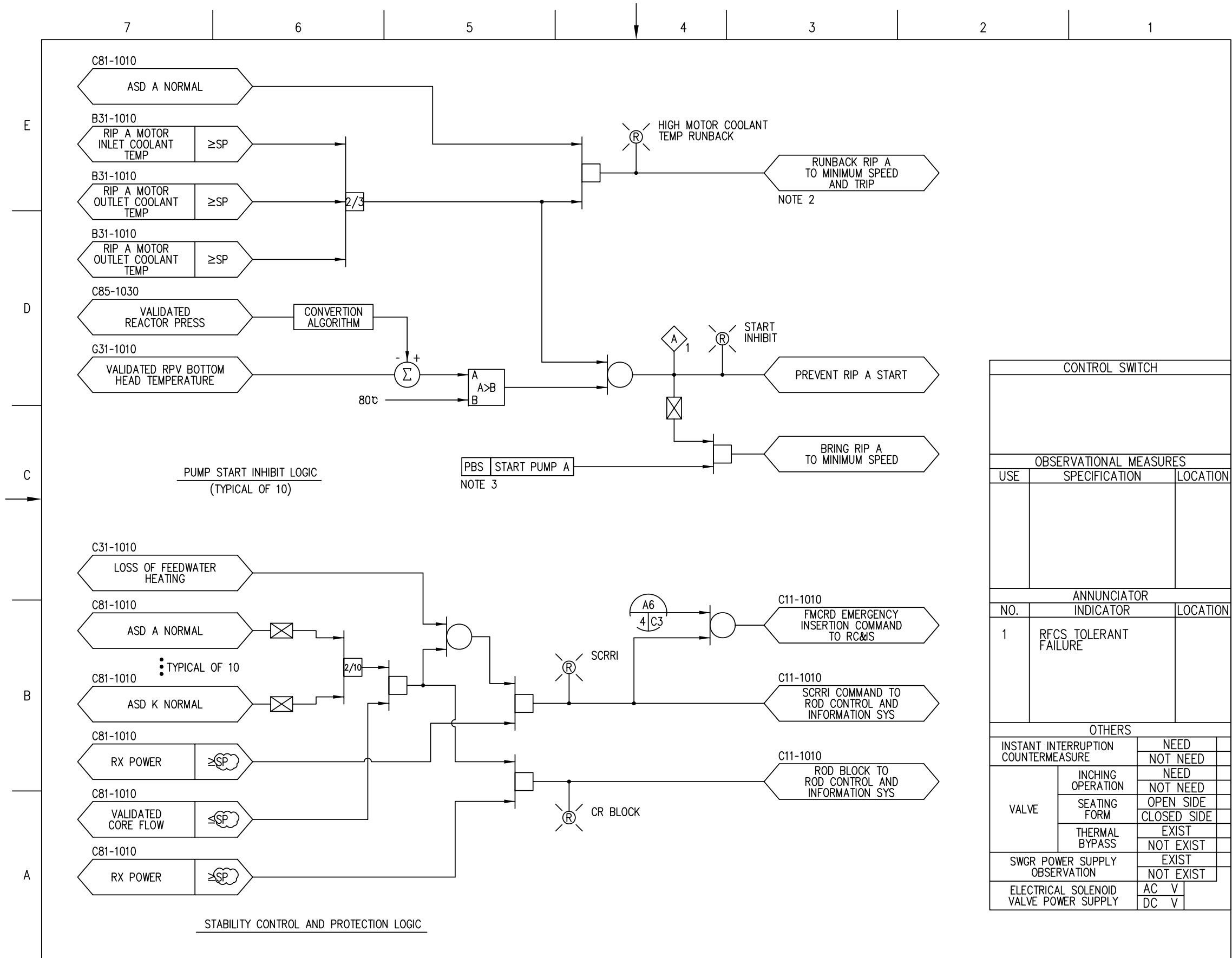


Figure 7.7-7 – Recirculation Flow Control System IBD (Sheet 3 of 9)

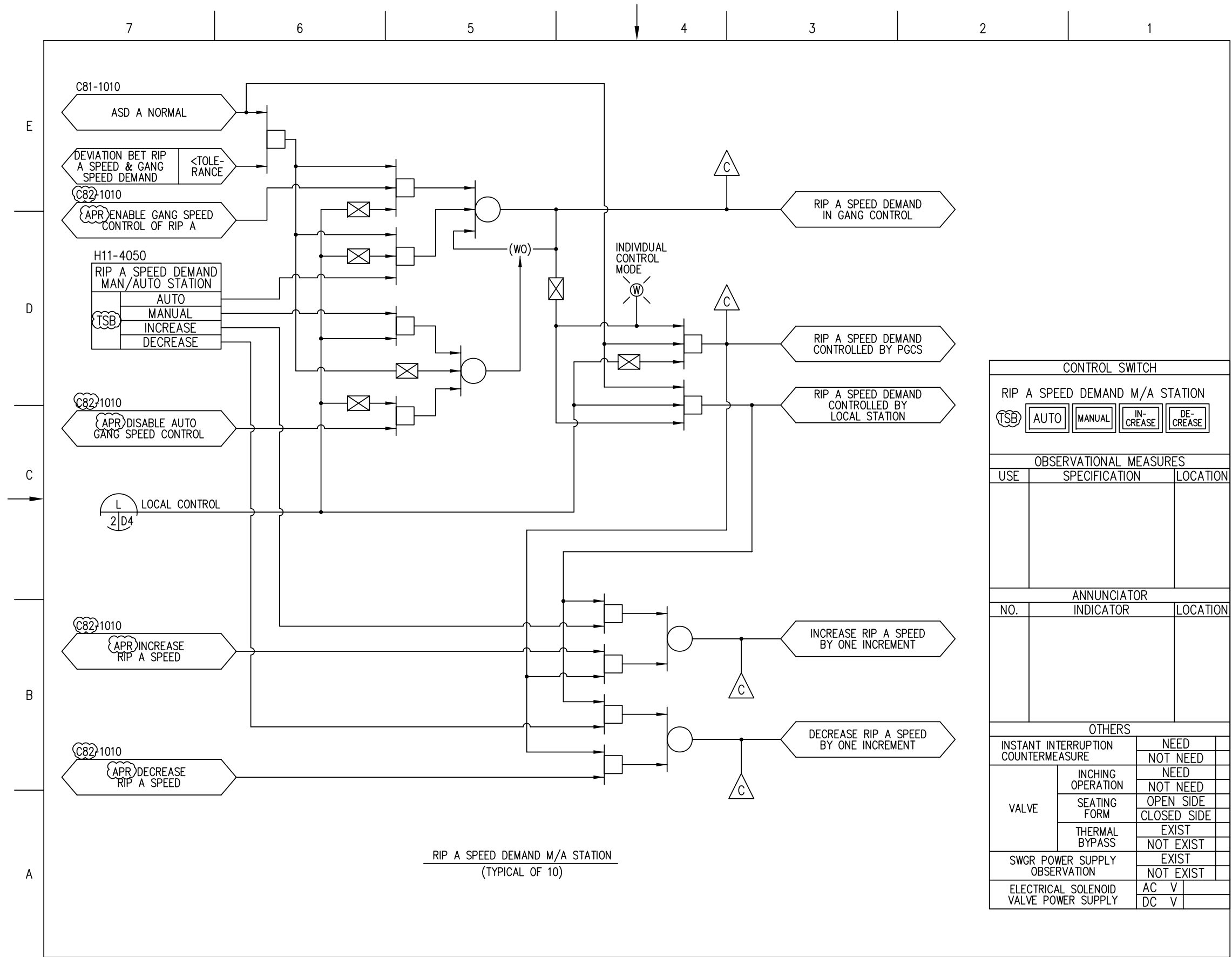


Figure 7.7-7 – Recirculation Flow Control System IBD (Sheet 5 of 9)

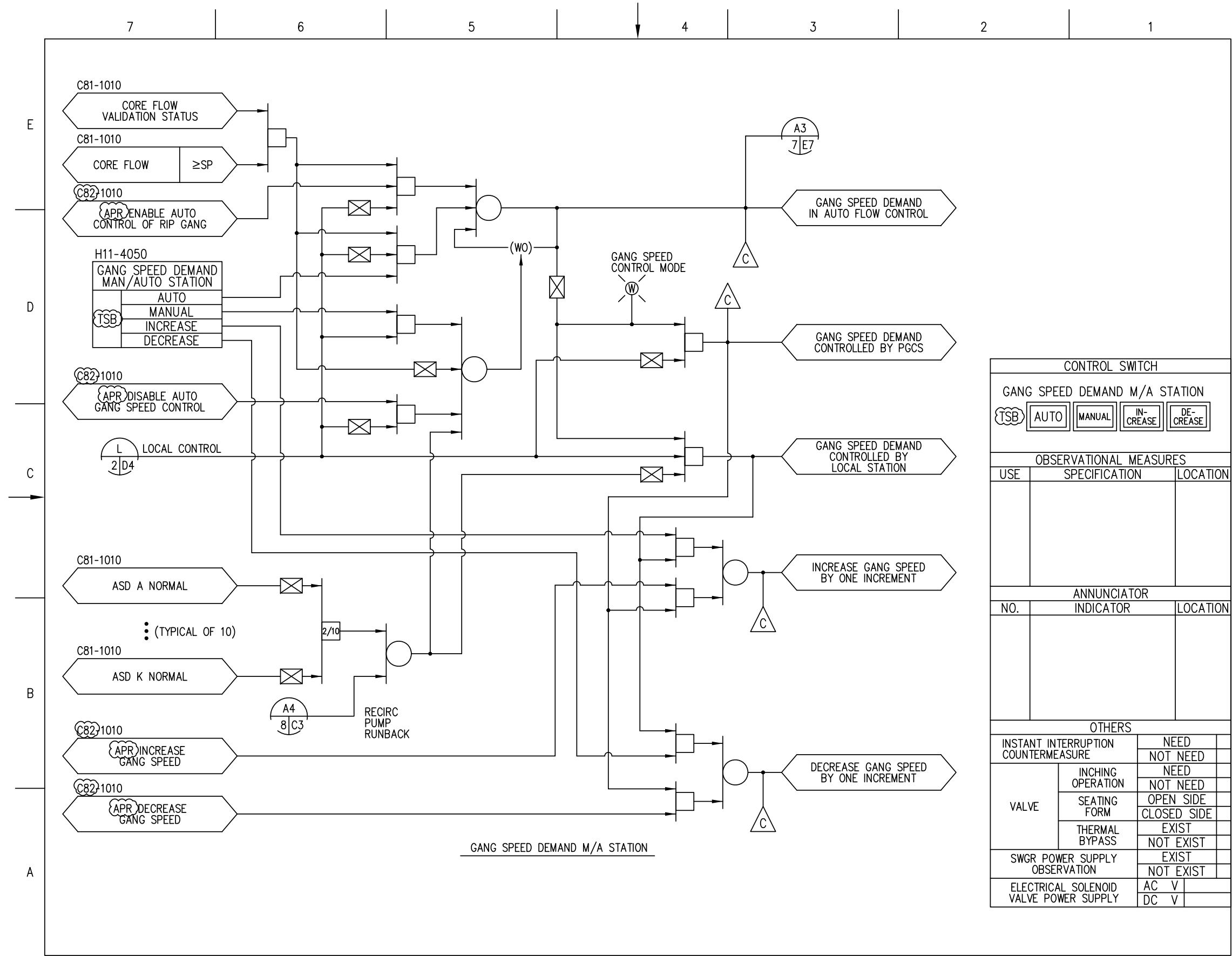


Figure 7.7-7 – Recirculation Flow Control System IBD (Sheet 6 of 9)

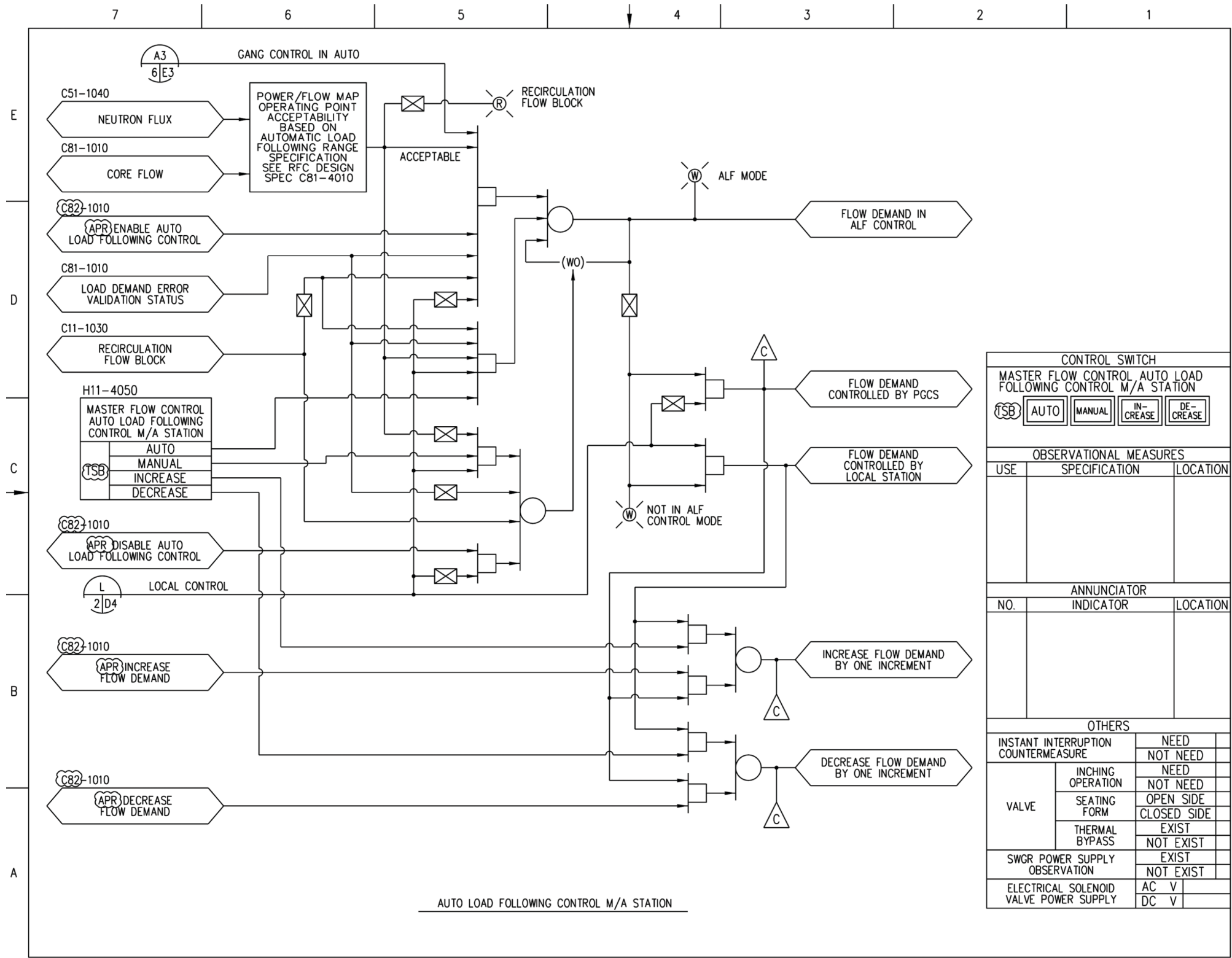


Figure 7.7-7 – Recirculation Flow Control System IBD (Sheet 7 of 9)

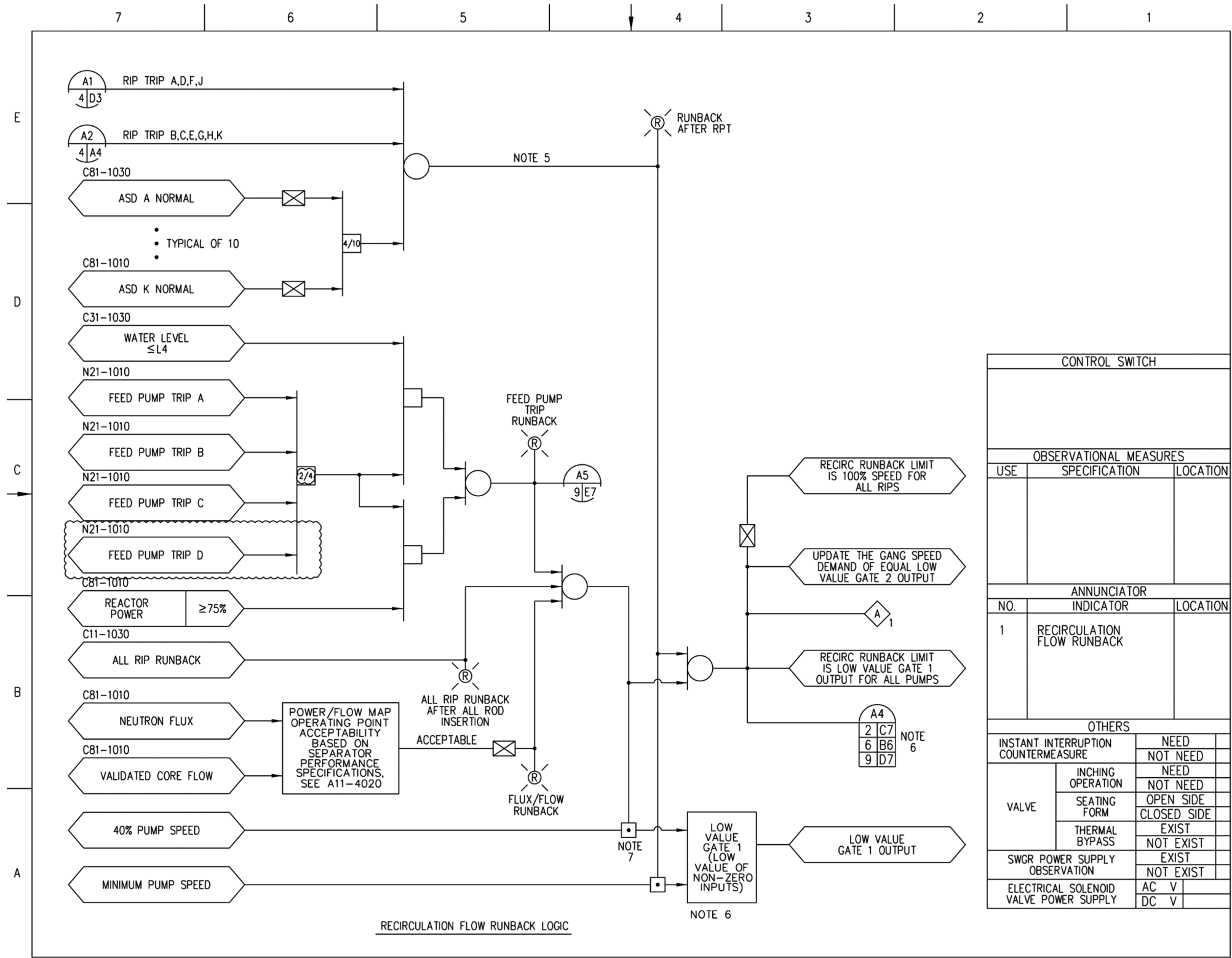


Figure 7.7-7 – Recirculation Flow Control System IBD (Sheet 8 of 9)

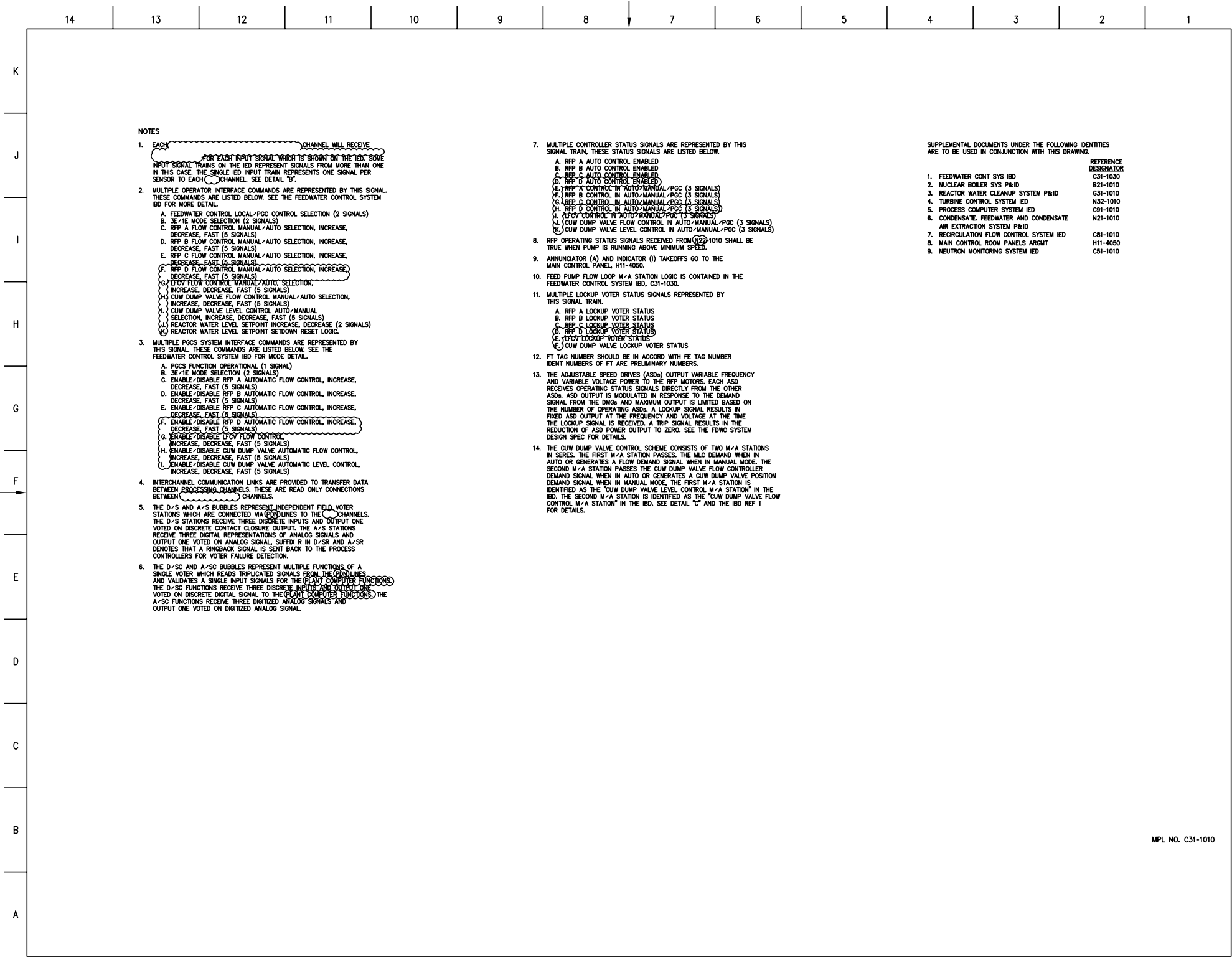
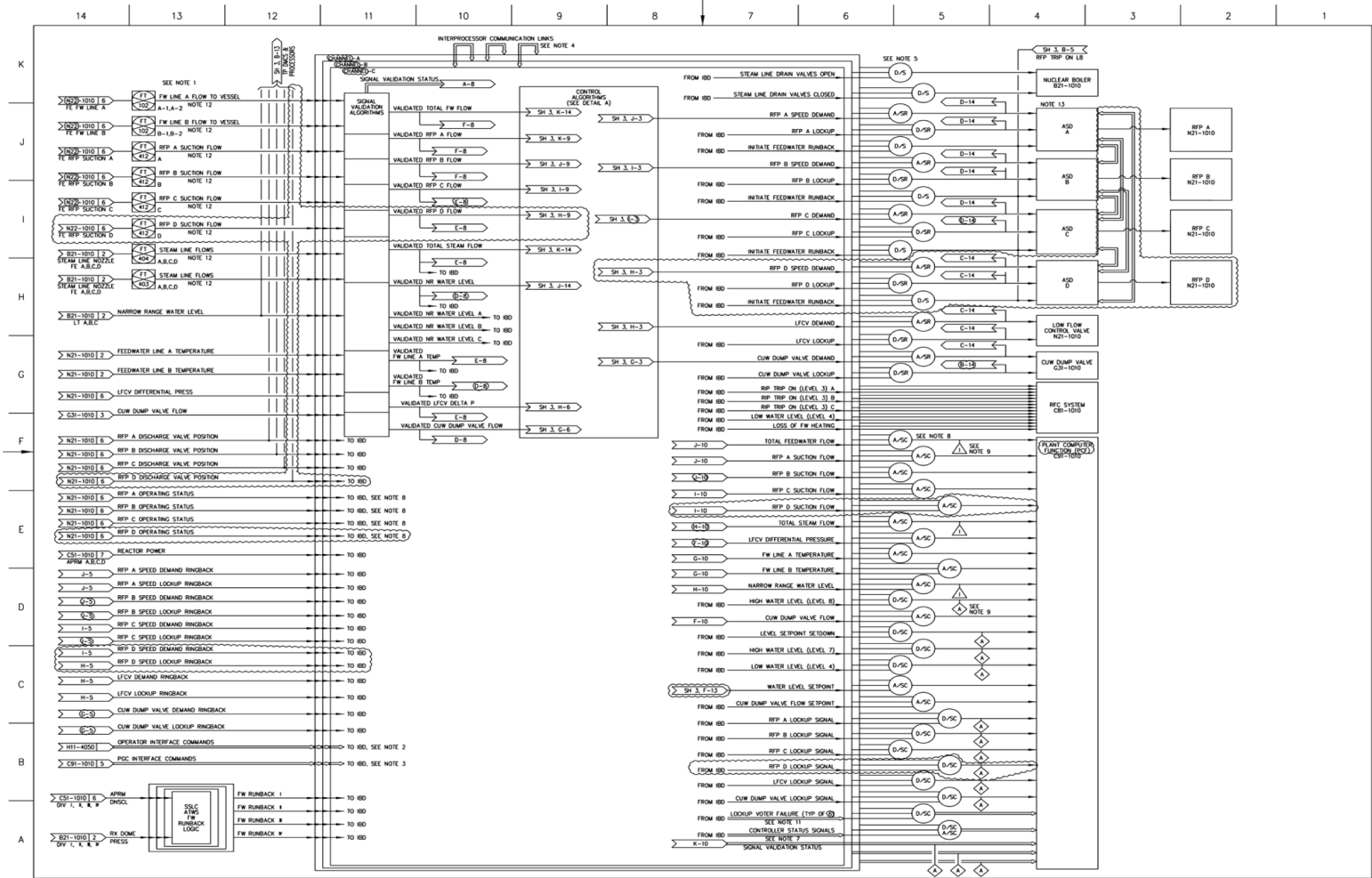


Figure 7.7-8 – Feedwater Control System IED (Sheet 1 of 3)



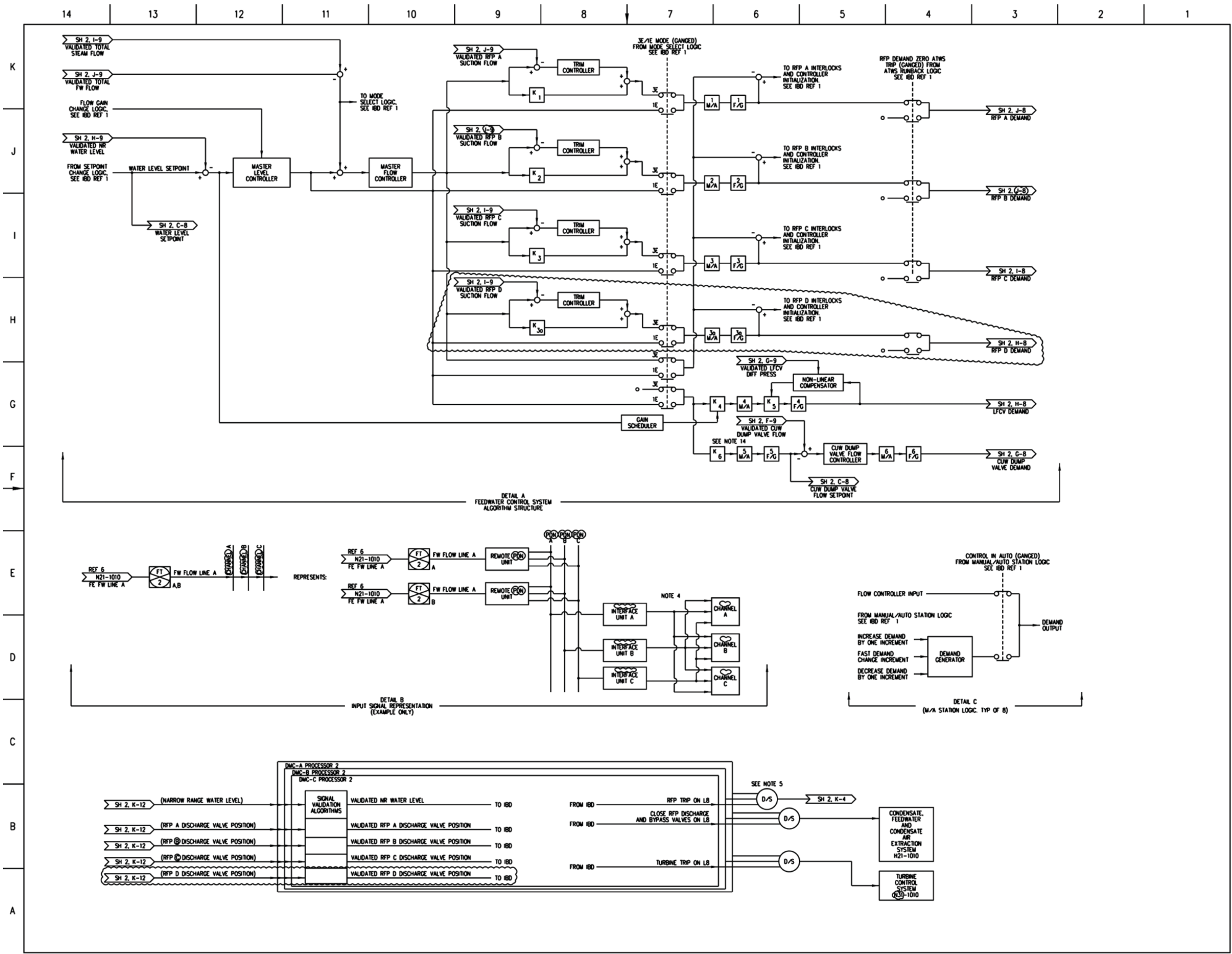


Figure 7.7-8 – Feedwater Control System IED (Sheet 3 of 3)

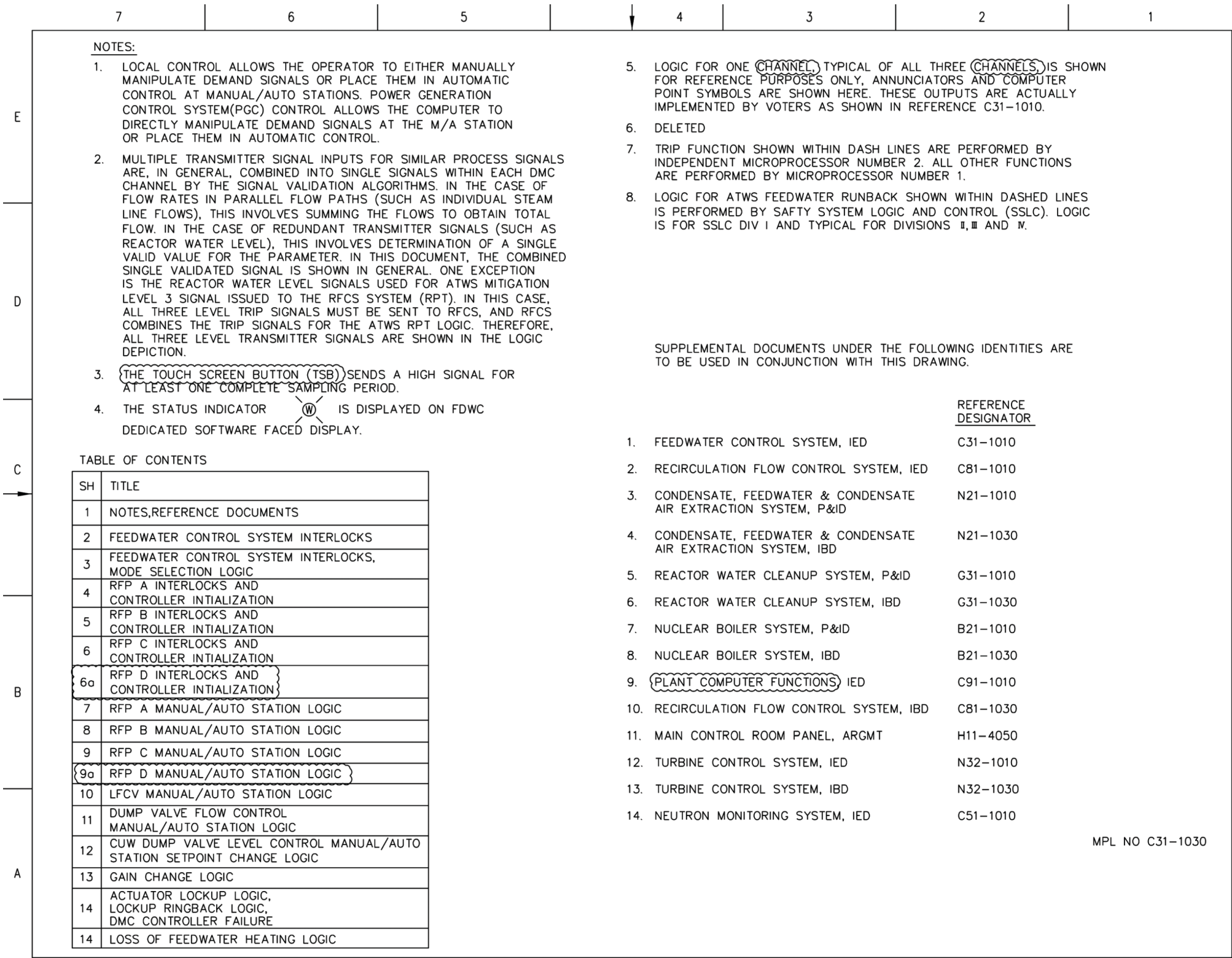


Figure 7.7-9 – Feedwater Control System IBD (Sheet 1 of 14)

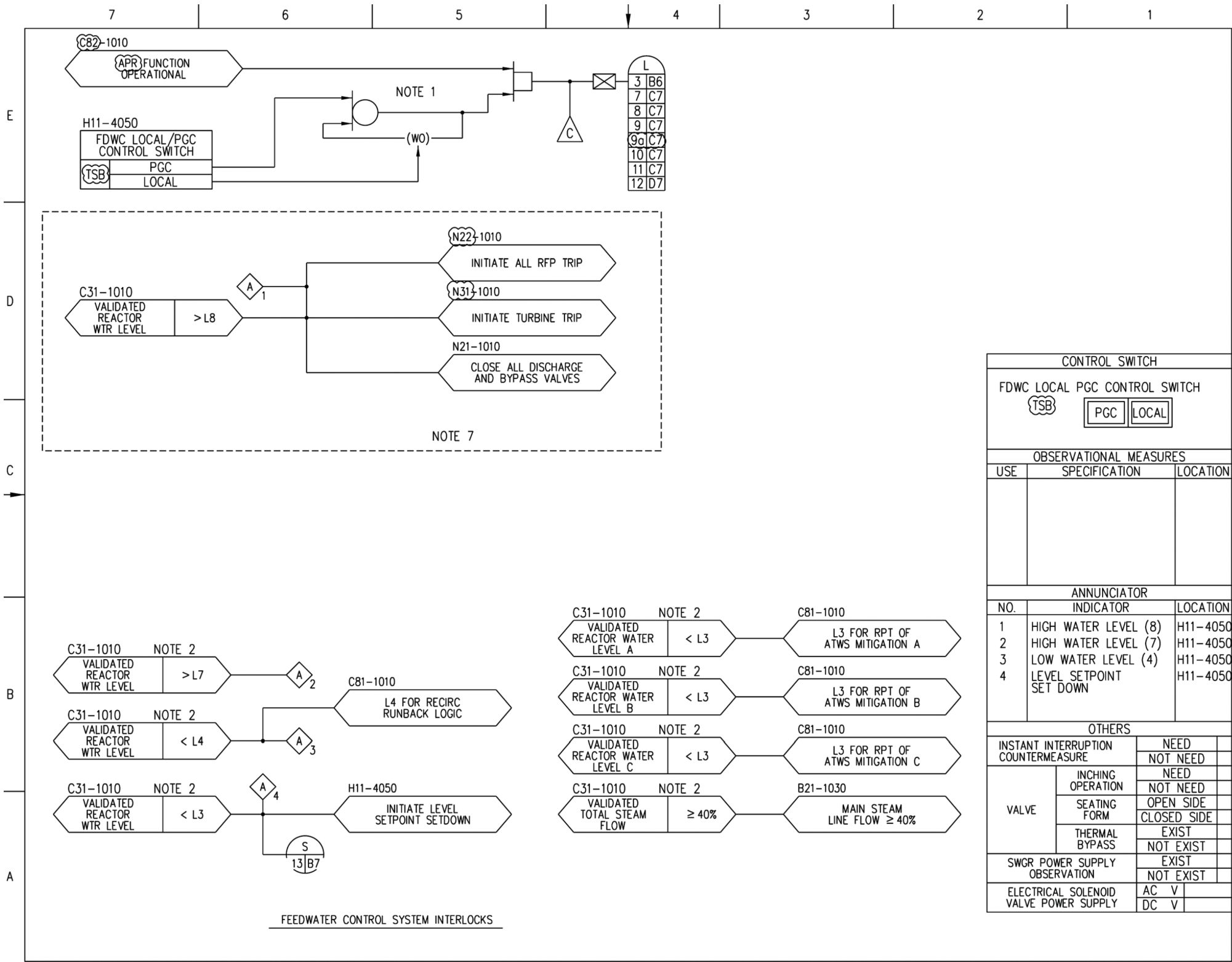


Figure 7.7-9 – Feedwater Control System IBD (Sheet 2 of 14)

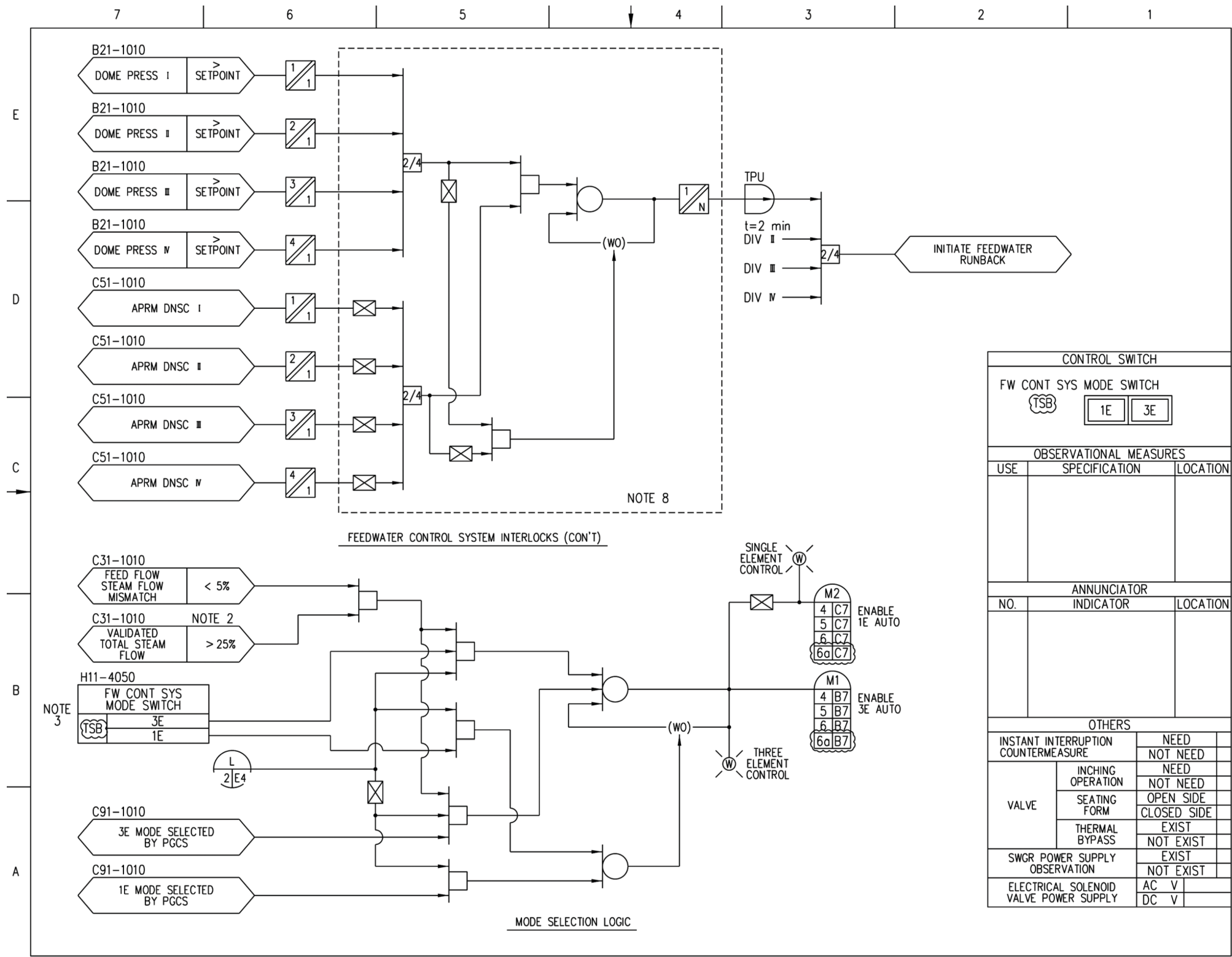
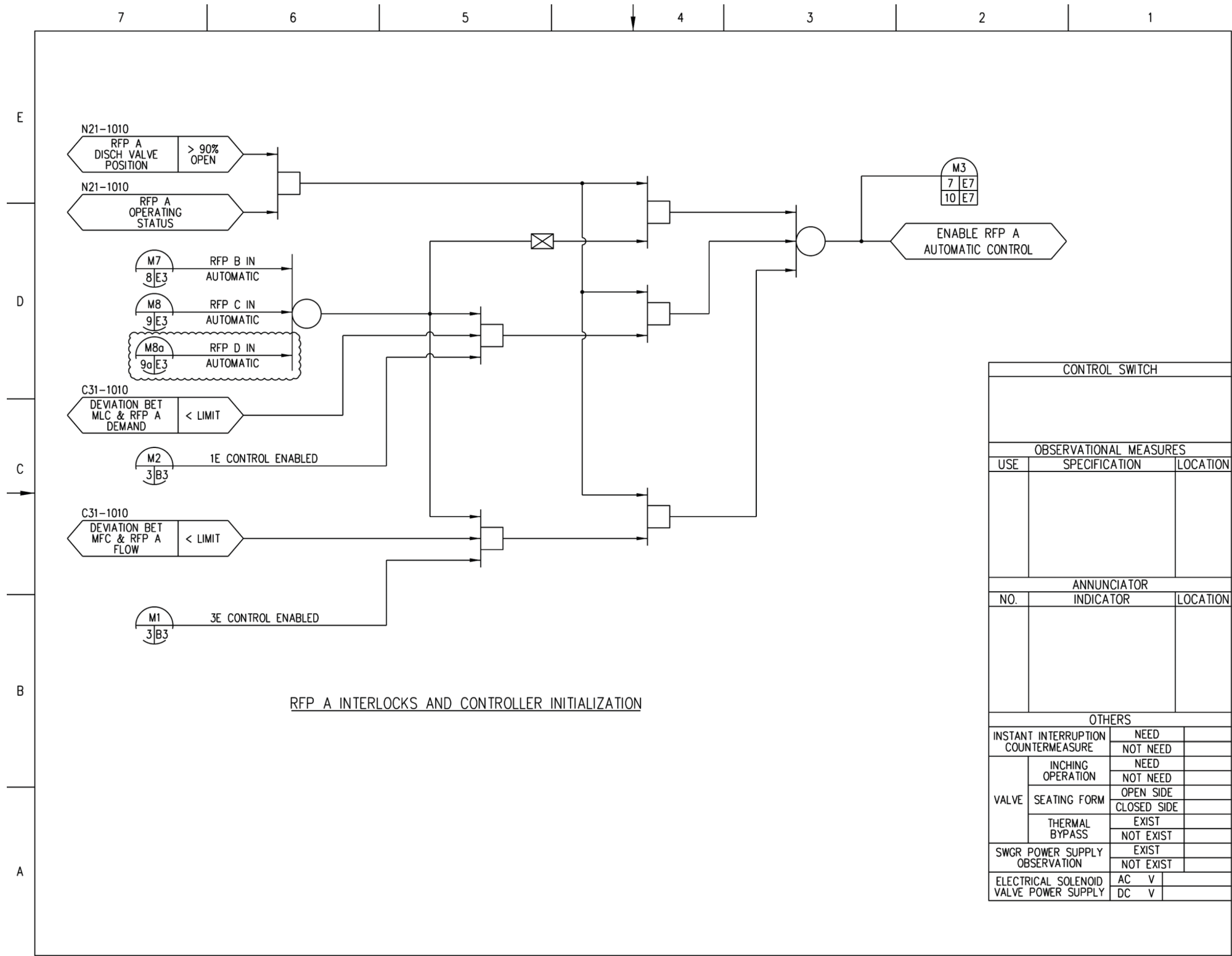
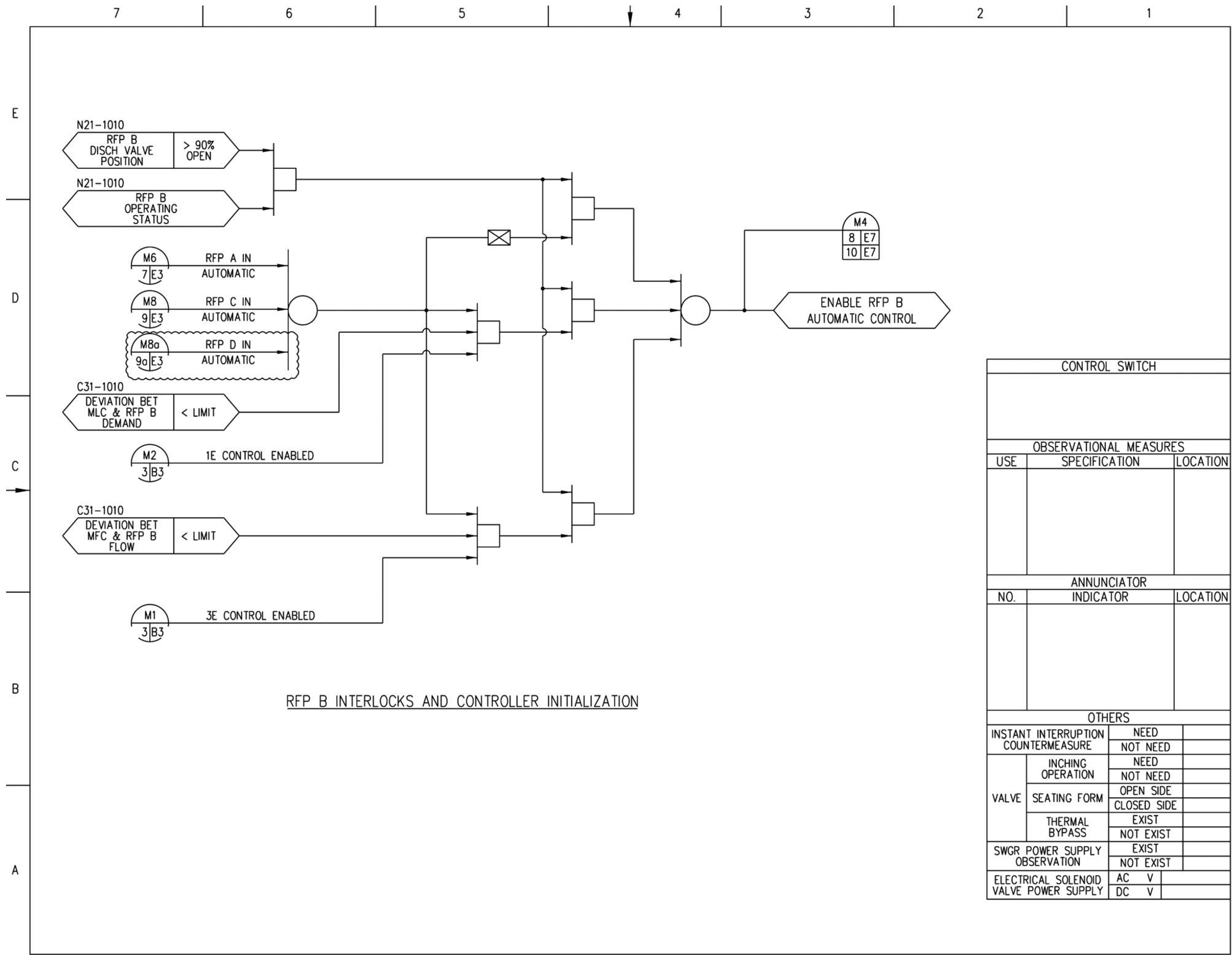


Figure 7.7-9 – Feedwater Control System IBD (Sheet 3 of 14)



CONTROL SWITCH		
OBSERVATIONAL MEASURES		
USE	SPECIFICATION	LOCATION
ANNUNCIATOR		
NO.	INDICATOR	LOCATION
OTHERS		
INSTANT INTERRUPTION COUNTERMEASURE	NEED	
	NOT NEED	
VALVE	INCHING OPERATION	NEED
		NOT NEED
	SEATING FORM	OPEN SIDE
		CLOSED SIDE
THERMAL BYPASS	EXIST	
	NOT EXIST	
SWGR POWER SUPPLY OBSERVATION		EXIST
		NOT EXIST
ELECTRICAL SOLENOID VALVE POWER SUPPLY	AC	V
	DC	V

Figure 7.7-9 – Feedwater Control System IBD (Sheet 4 of 14)



CONTROL SWITCH		
OBSERVATIONAL MEASURES		
USE	SPECIFICATION	LOCATION
ANNUNCIATOR		
NO.	INDICATOR	LOCATION
OTHERS		
INSTANT INTERRUPTION COUNTERMEASURE	NEED	
	NOT NEED	
VALVE	INCHING OPERATION	NEED
		NOT NEED
	SEATING FORM	OPEN SIDE
		CLOSED SIDE
THERMAL BYPASS	EXIST	
	NOT EXIST	
SWGR POWER SUPPLY OBSERVATION	EXIST	
	NOT EXIST	
ELECTRICAL SOLENOID VALVE POWER SUPPLY	AC	V
	DC	V

Figure 7.7-9 – Feedwater Control System IBD (Sheet 5 of 14)

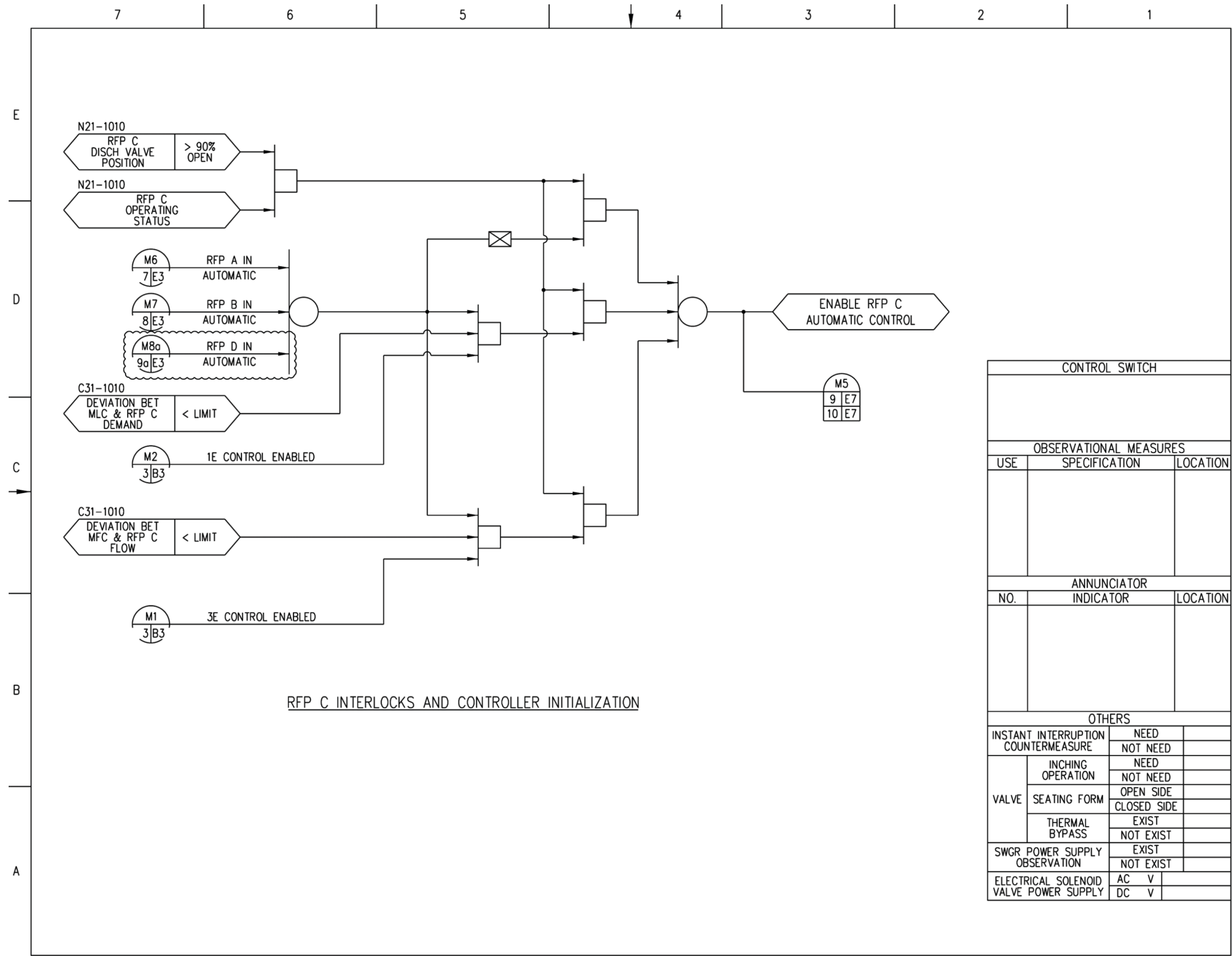


Figure 7.7-9 – Feedwater Control System IBD (Sheet 6 of 14)

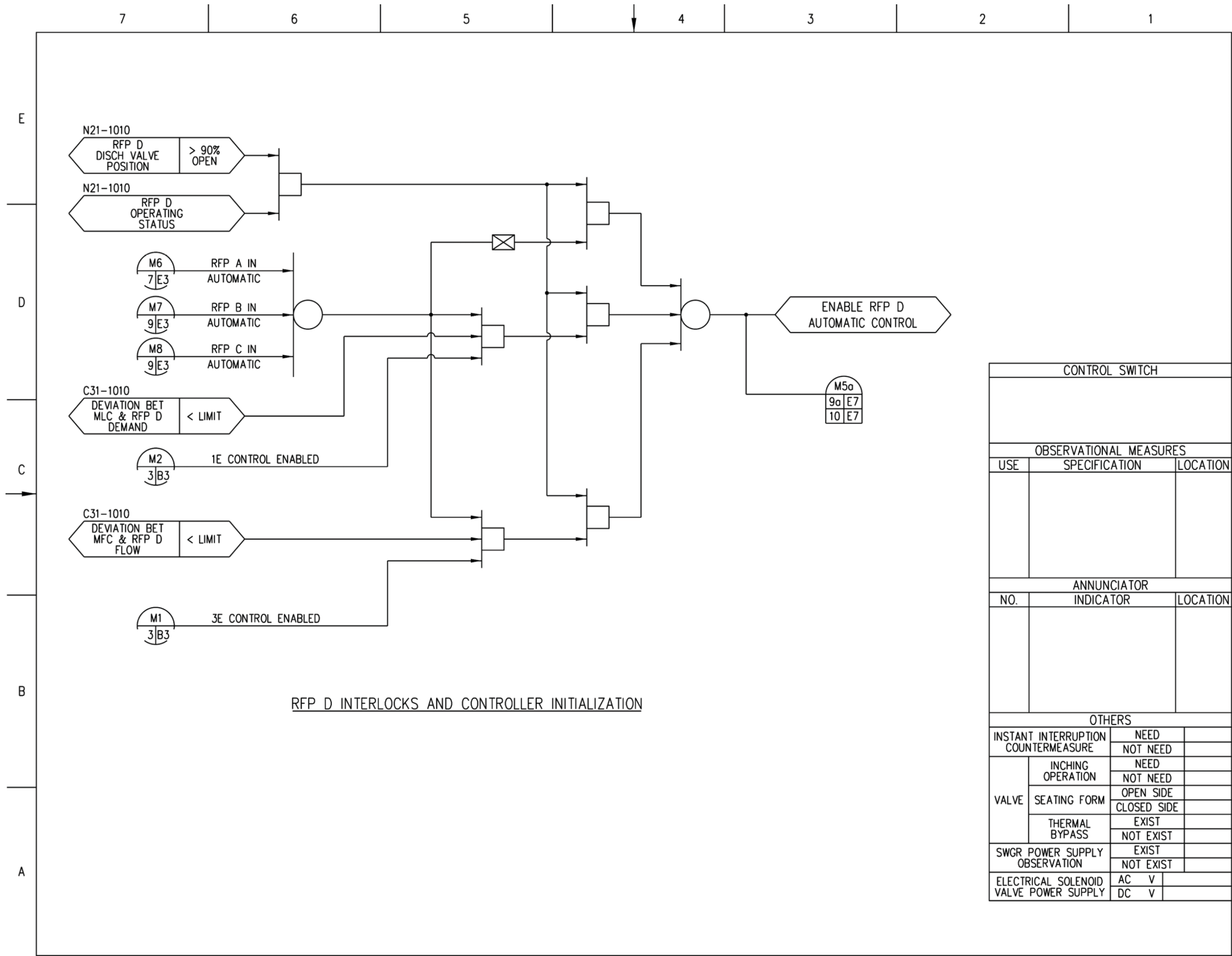


Figure 7.7-9 – Feedwater Control System IBD (Sheet 6a of 14)

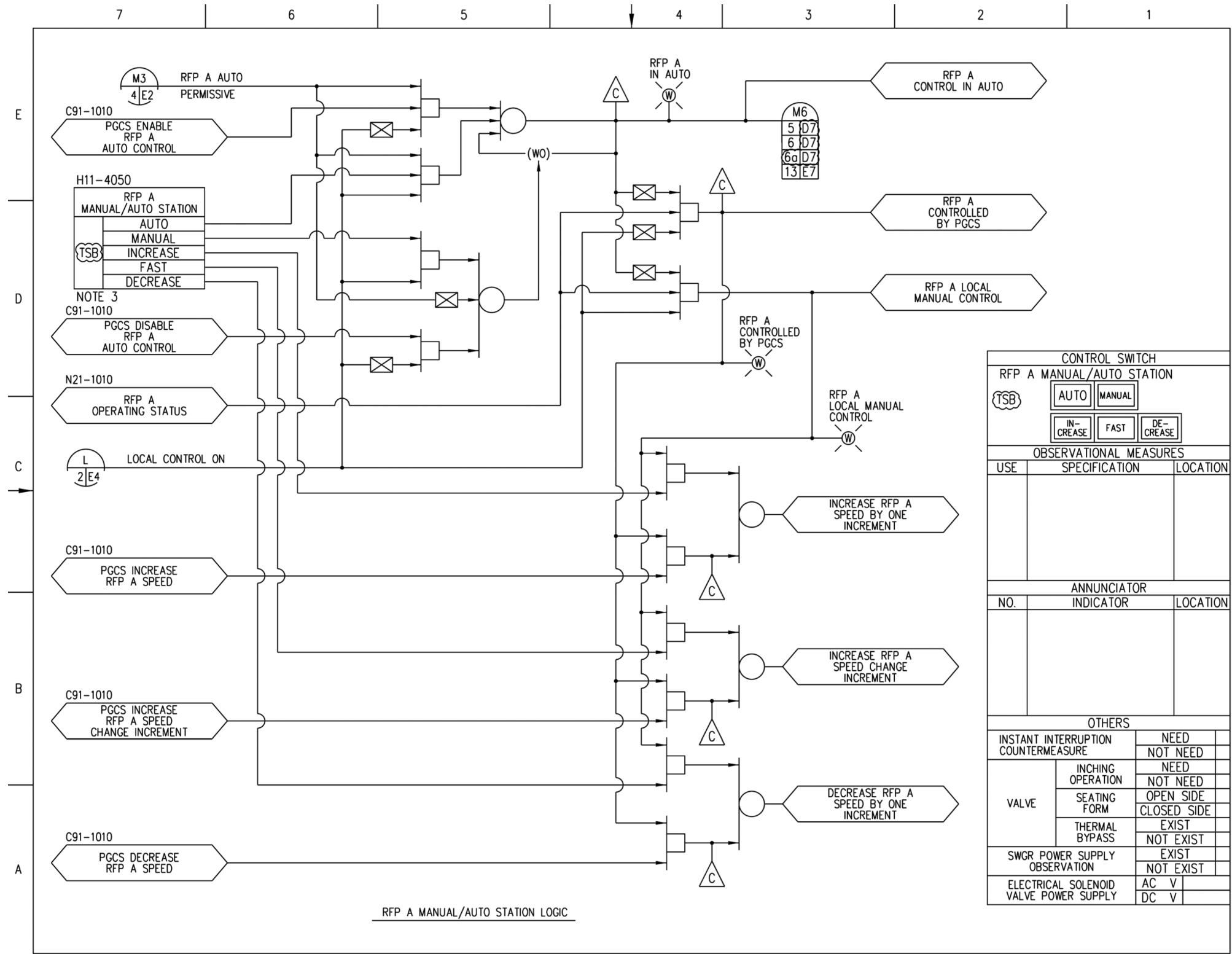


Figure 7.7-9 – Feedwater Control System IBD (Sheet 7 of 14)

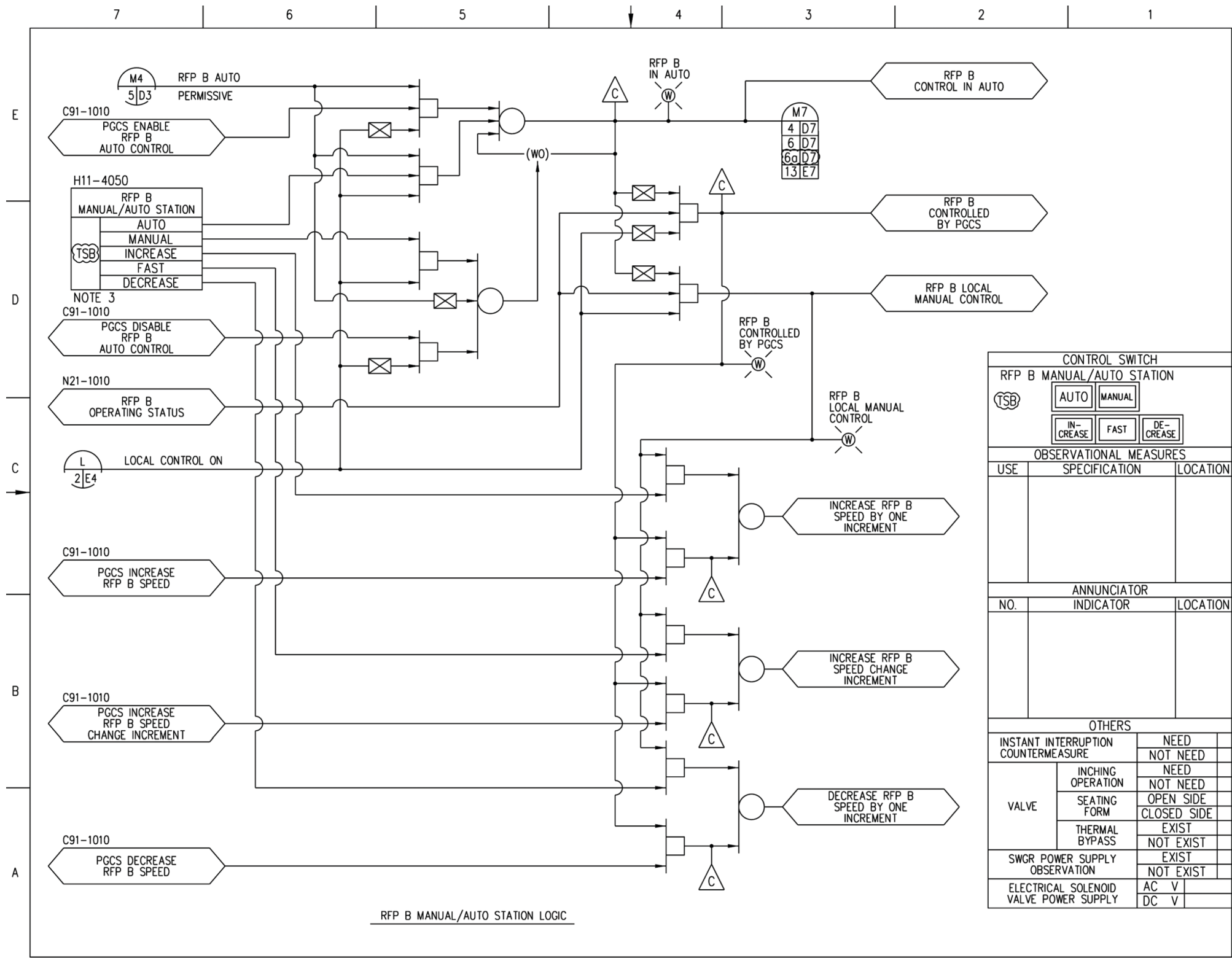


Figure 7.7-9 – Feedwater Control System IBD (Sheet 8 of 14)

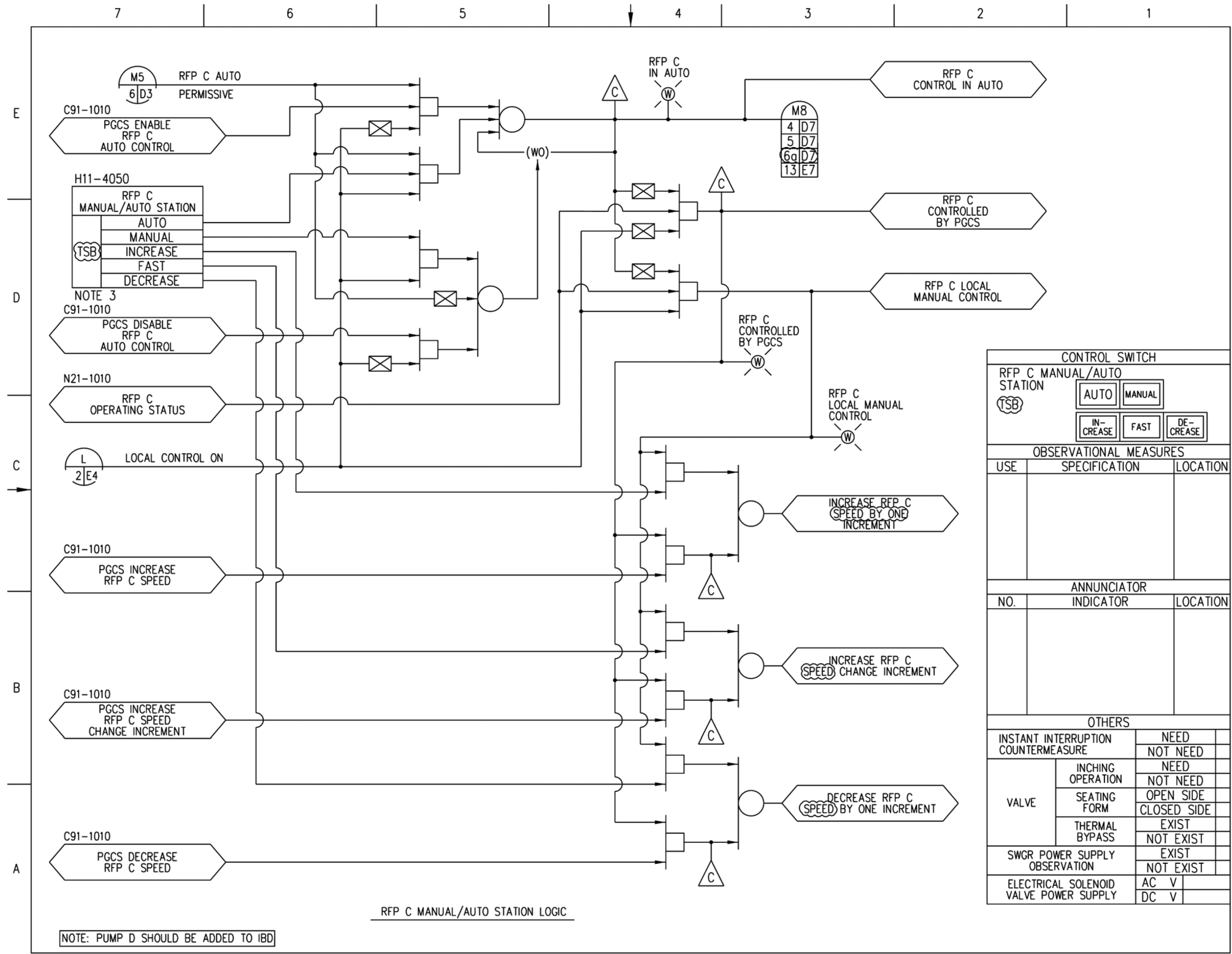


Figure 7.7-9 – Feedwater Control System IBD (Sheet 9 of 14)

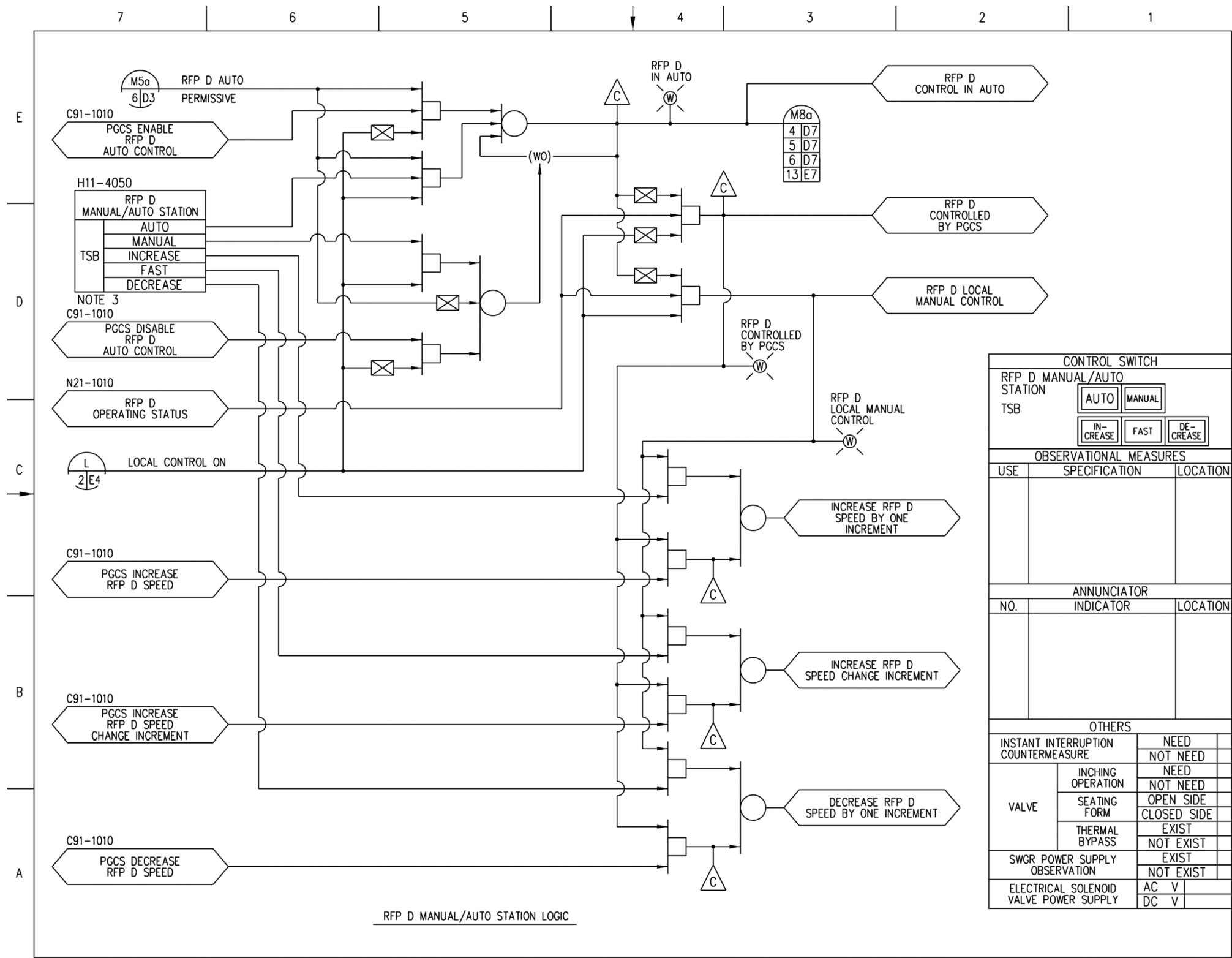


Figure 7.7-9 – Feedwater Control System IBD (Sheet 9a of 14)

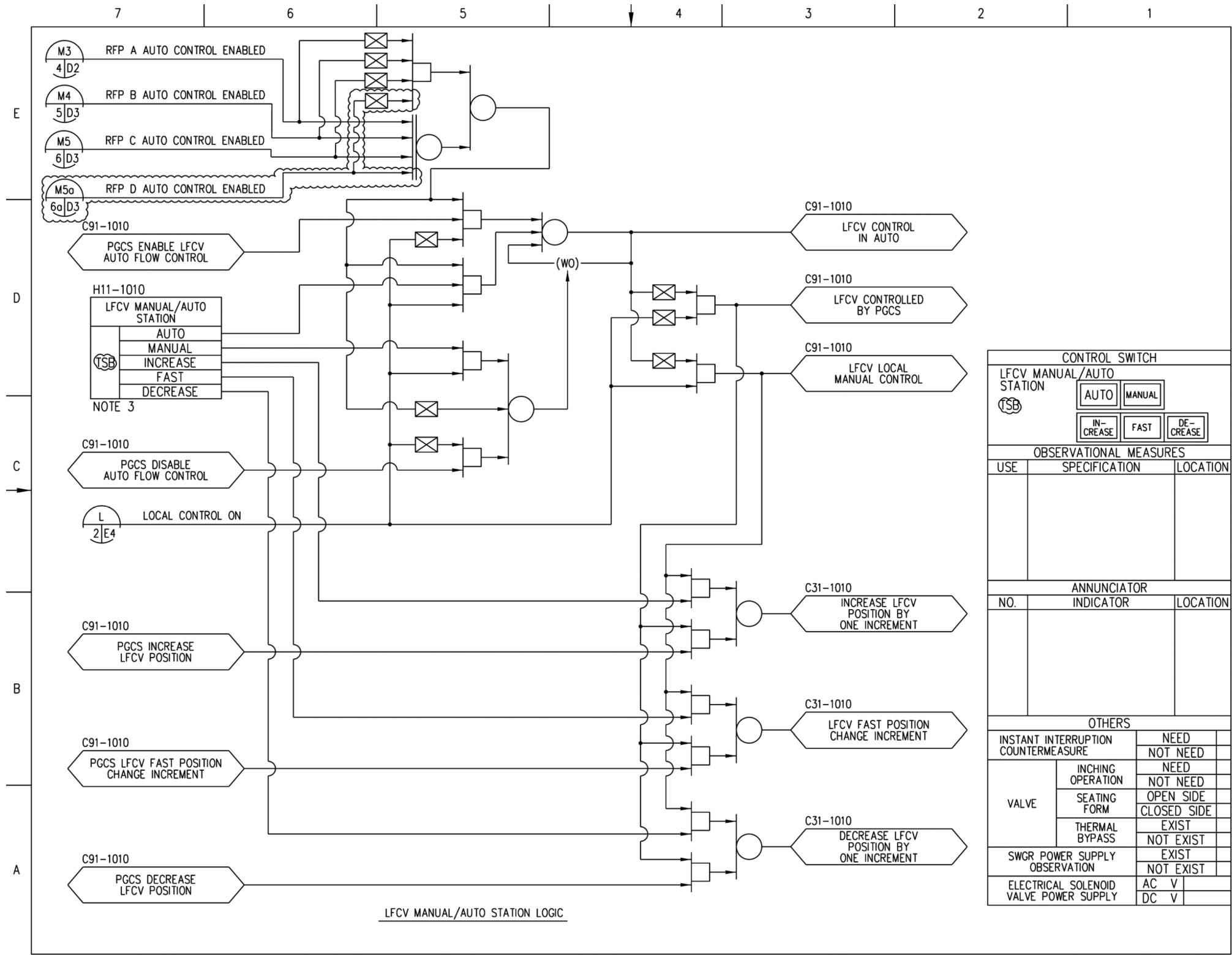
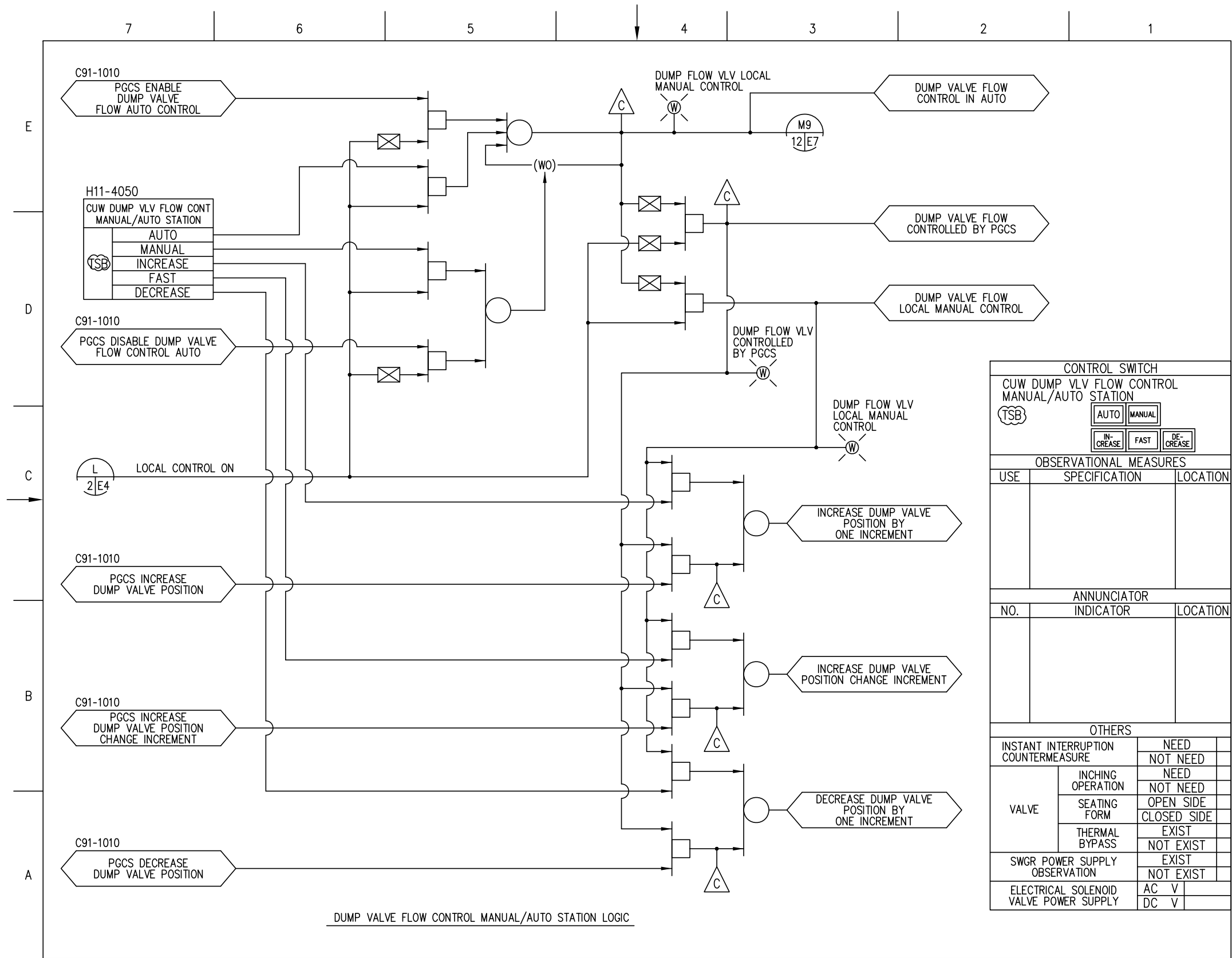
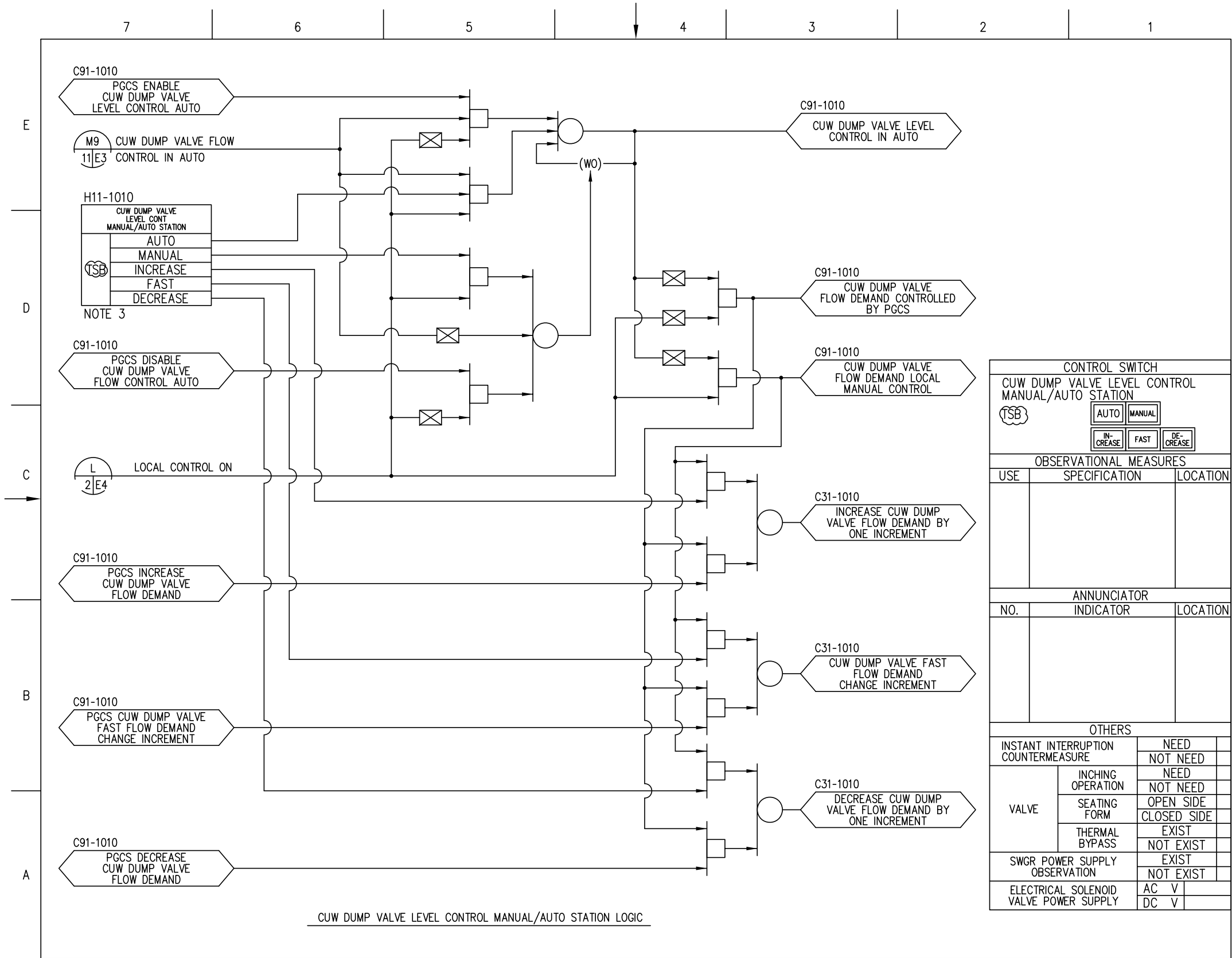


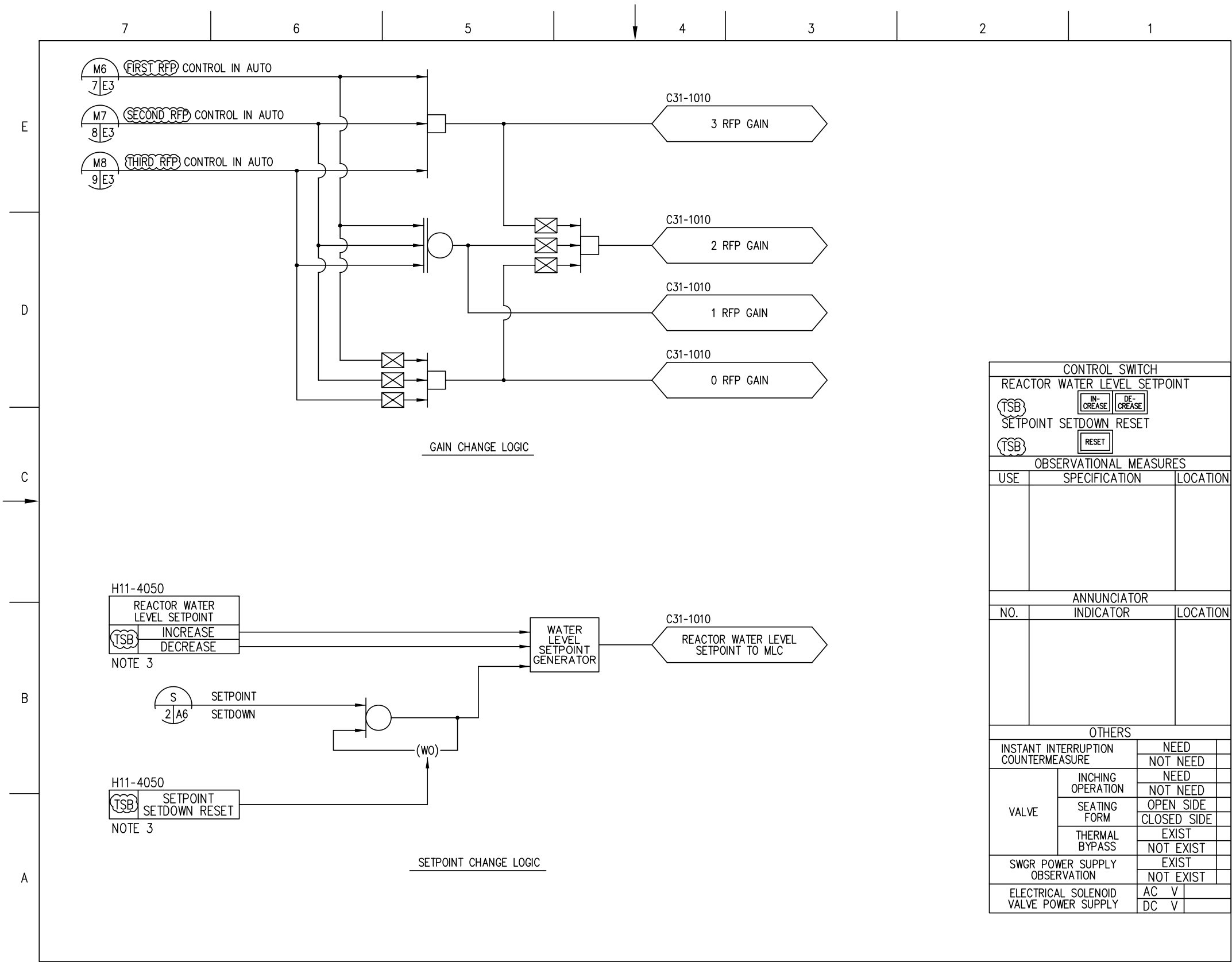
Figure 7.7-9 – Feedwater Control System IBD (Sheet 10 of 14)



7.7-9 – Feedwater Control System IBD (Sheet 11 of 14)



7.7-9 – Feedwater Control System IBD (Sheet 12 of 14)



7.7-9 – Feedwater Control System IBD (Sheet 13 of 14)

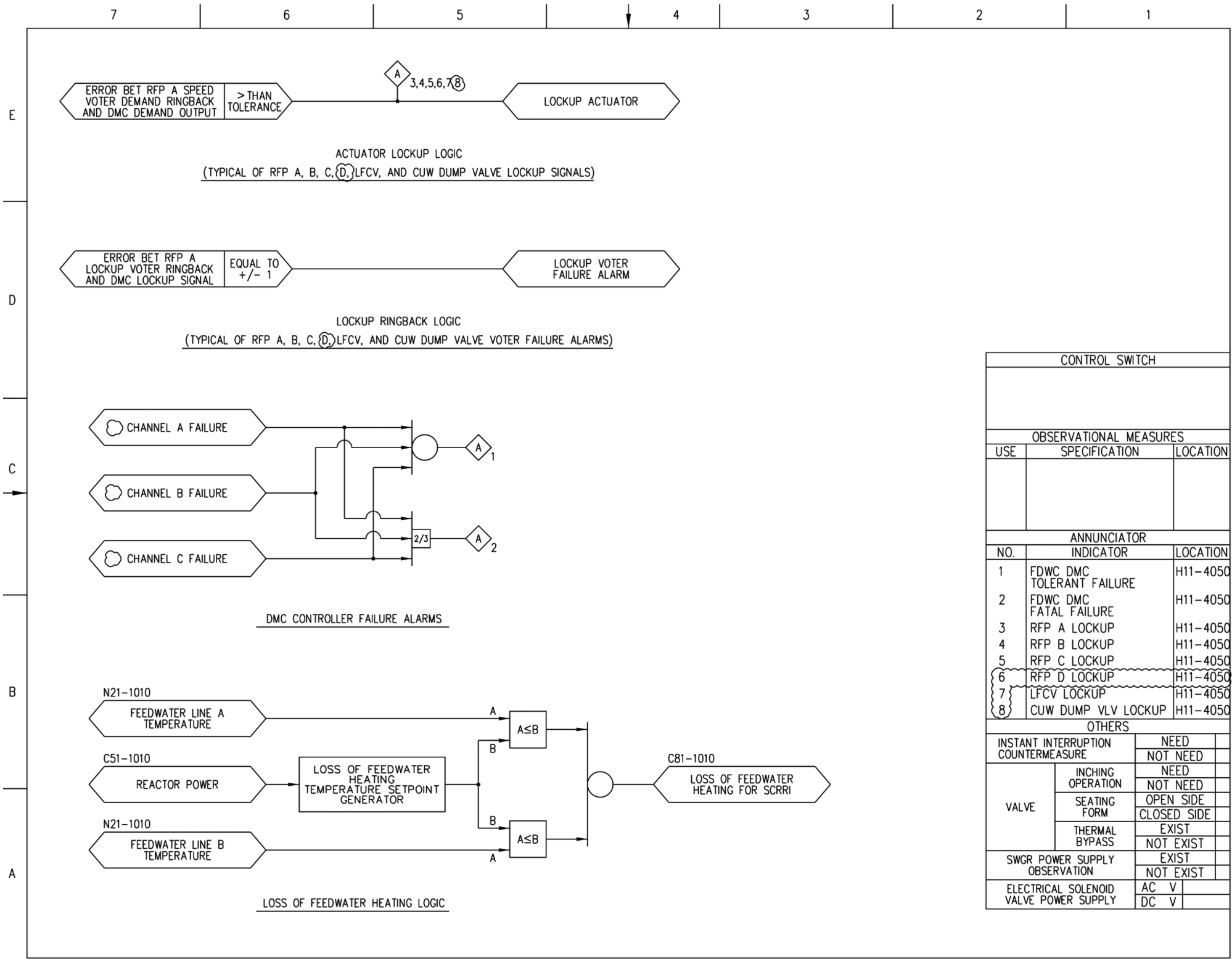


Figure 7.7-9 – Feedwater Control System IBD (Sheet 14 of 14)