

Figure 7.2-10 – Reactor Protection System IBD (Sheet 1 of 72)

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5	DIV 3 (TLF) RX MODE AND RELATED BYPASSES	41	DIV 3 TLF; DW PRESS DIV 3 TRIP LOGIC
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34	DIV 4 (TLF); MSLI DIV 4 TRIP LOGIC	70	RPS ALARMS
35	BLANK	71	RPS ALARMS
36	BLANK	72	RPS ALARMS

SUPPORTING DOCUMENTS:	MPL NO.
1. REACTOR PROTECTION SYS DESIGN SPEC	C71-4010
2. REACTOR PROTECTION SYS IED	C71-1040
3. NEUTRON MONITORING SYS IED	C51-1040
4. IBD STANDARDS DESIGN STANDARDS	A10-3070

REFERENCES:	MPL NO.
1. NEUTRON MONITORING SYS IBD	C51-1030
2. LEAK DETECTION SYSTEM IBD	E31-1030
3. ROD CONTROL & INFO SYSTEM IBD	C11-1030
4. CONTROL ROD DRIVE SYSTEM P&ID	C12-1010
5. PROCESS RAD MONITORING SYS IED	D11-1040
6. NUCLEAR BOILER SYS P&ID	B21-1010
7. RECIRC FLOW CONTROL SYS IBD	C81-1030
8. SUPPRESSION POOL TEMPERATURE MONITORING SYSTEM IED	T53-1010

ABBREVIATIONS

- BPU - BYPASS UNITS
- DTF - DIGITAL TRIP FUNCTION
- RDLC - REMOTE DIGITAL LOGIC CONTROLLER
- TLF - TRIP LOGIC FUNCTION
- SLF - SAFETY SYSTEM LOGIC FUNCTION
- OLU - OUTPUT LOGIC UNIT
- PDLU - POWER DISTRIBUTION LOGIC UNIT
- SCC - SOLENOID CONTROL CENTER
- SSFP - SCRAM SOLENOID FUSE PANEL
- SSLC - SAFETY SYSTEM LOGIC & CONTROL
- APRM - AVERAGE POWER RANGE MONITOR
- CRD - CONTROL ROD DRIVE
- HCU - HYDRAULIC CONTROL UNIT
- MSIV - MAIN STEAM LINE ISOLATION VALVE
- MSL - MAIN STEAM LINE
- SRNM - STARTUP RANGE NEUTRON MONITOR
- mP - MICROPROCESSOR
- LD - LOAD DRIVER
- KOS - KEY OPERATED SWITCH
- HTS - HYDRAULIC TRIP SYSTEM

TABLE OF CONTENTS, REFERENCE DOCUMENTS, SUPPORTING DOCUMENTS, ABBREVIATIONS

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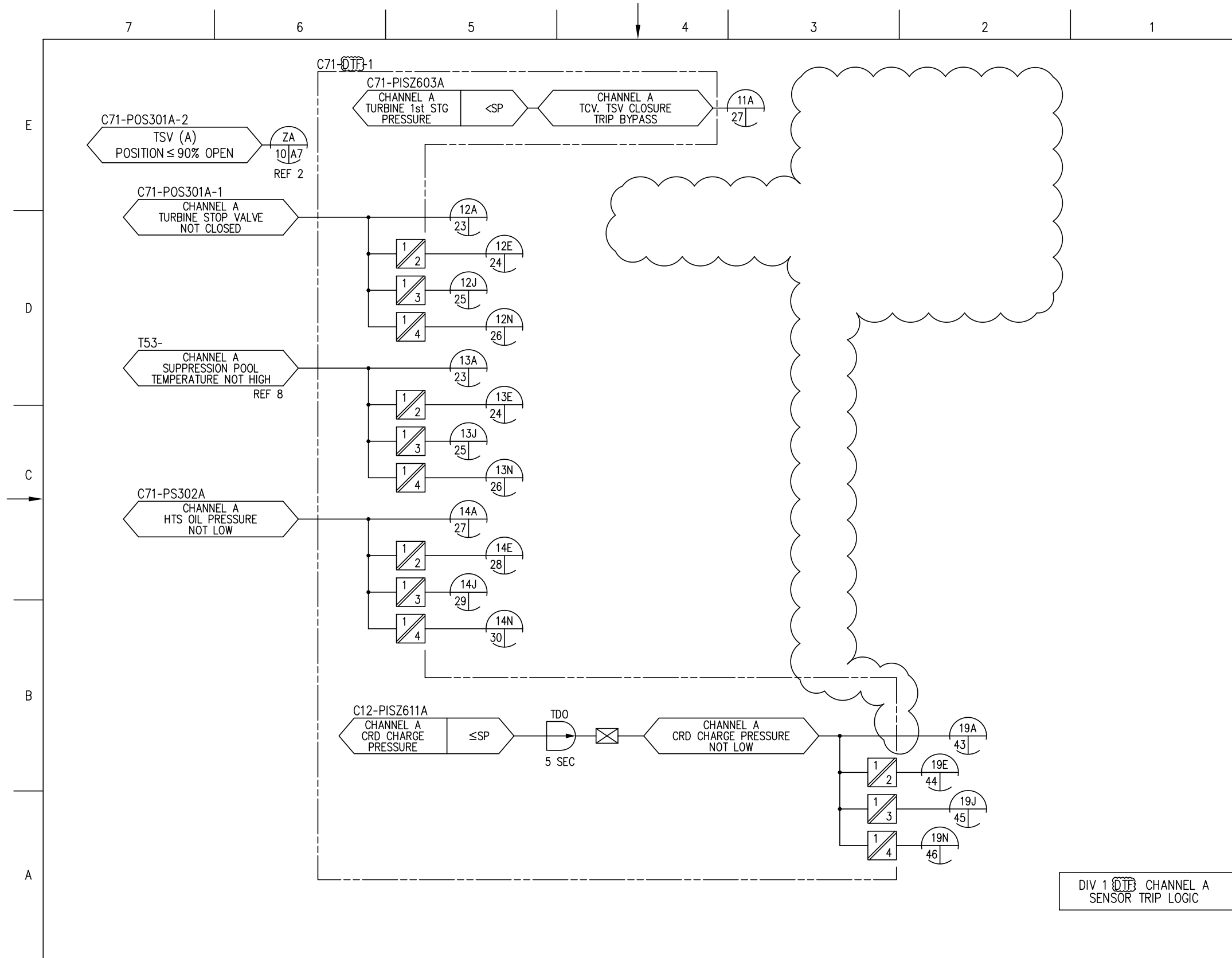


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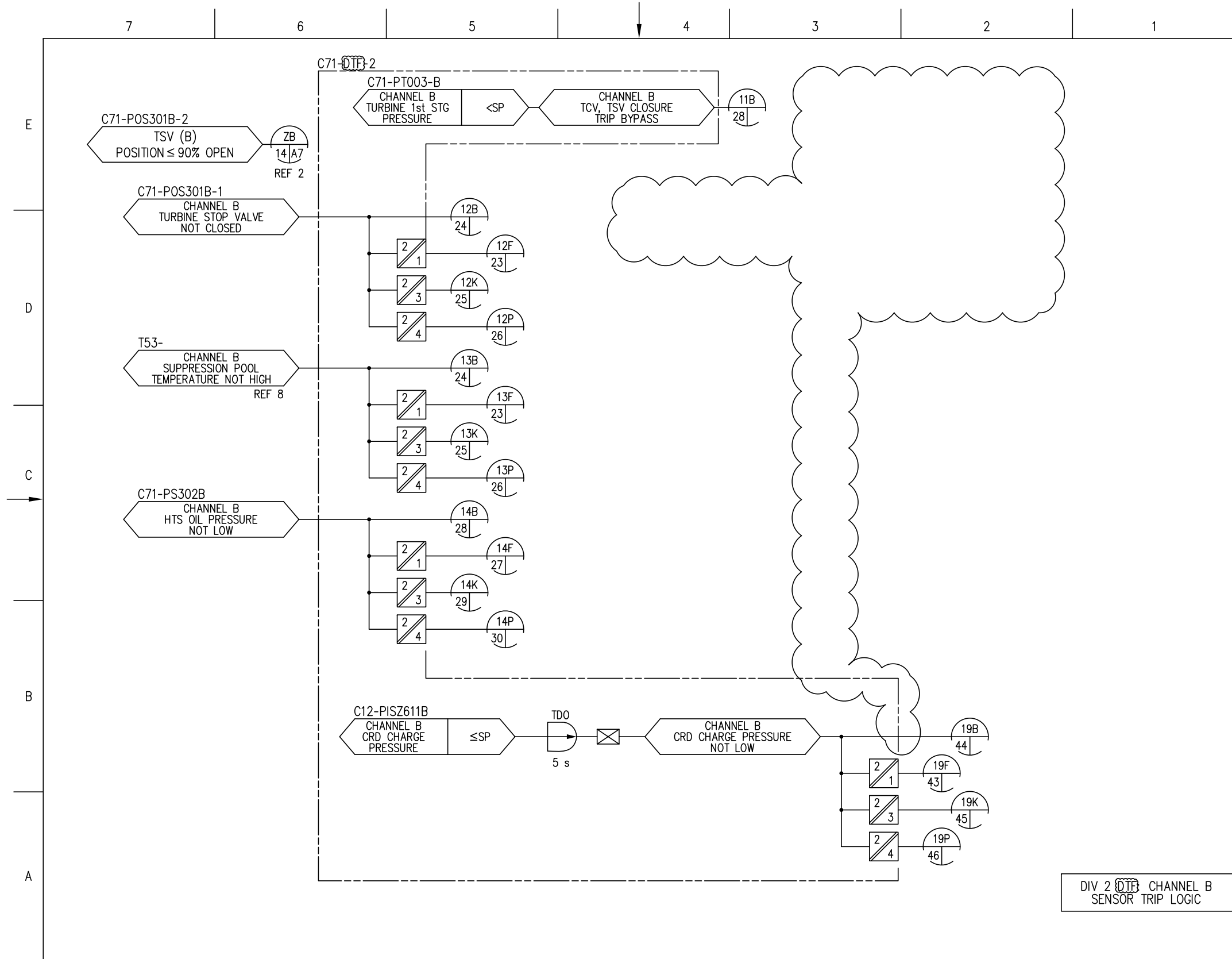


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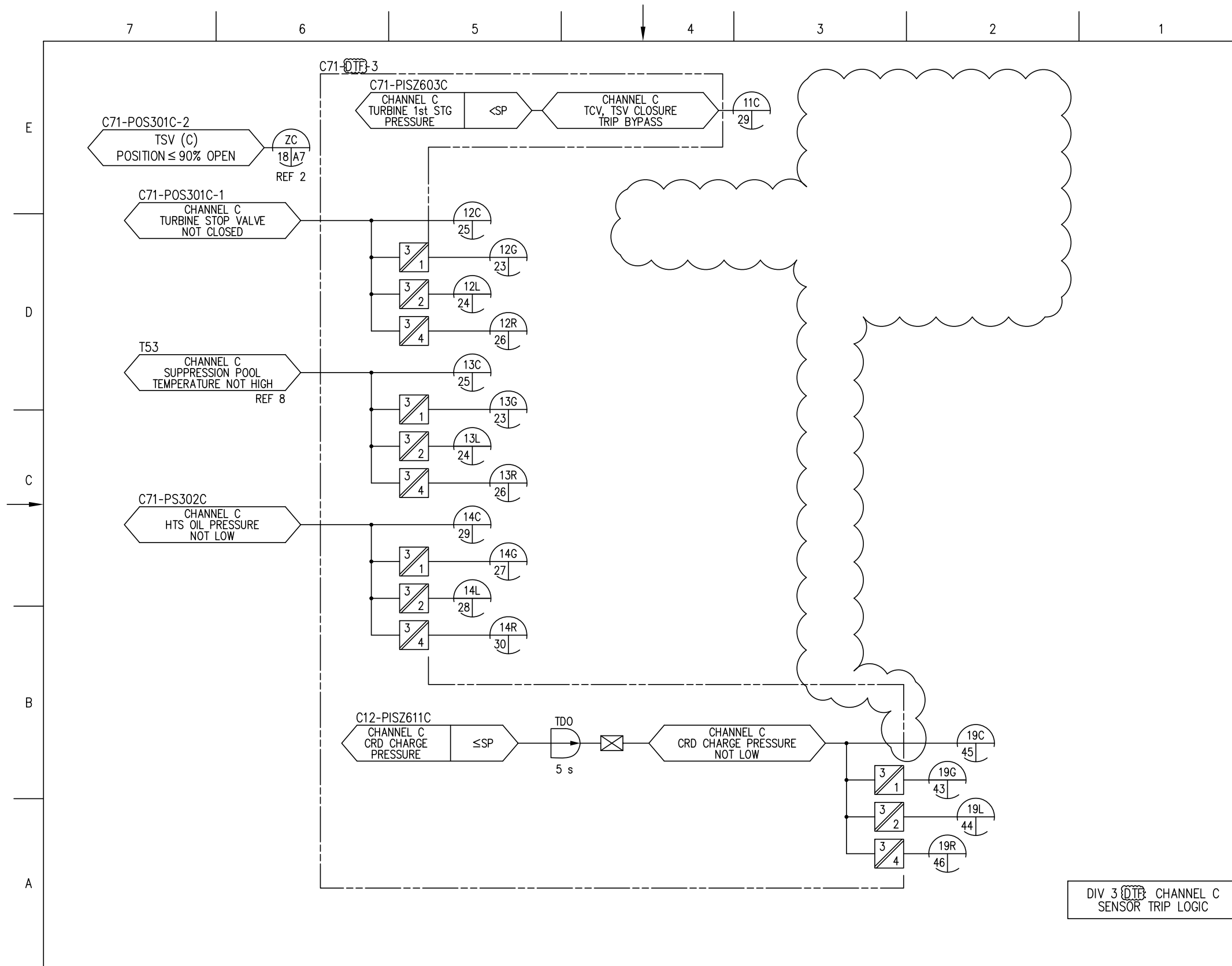


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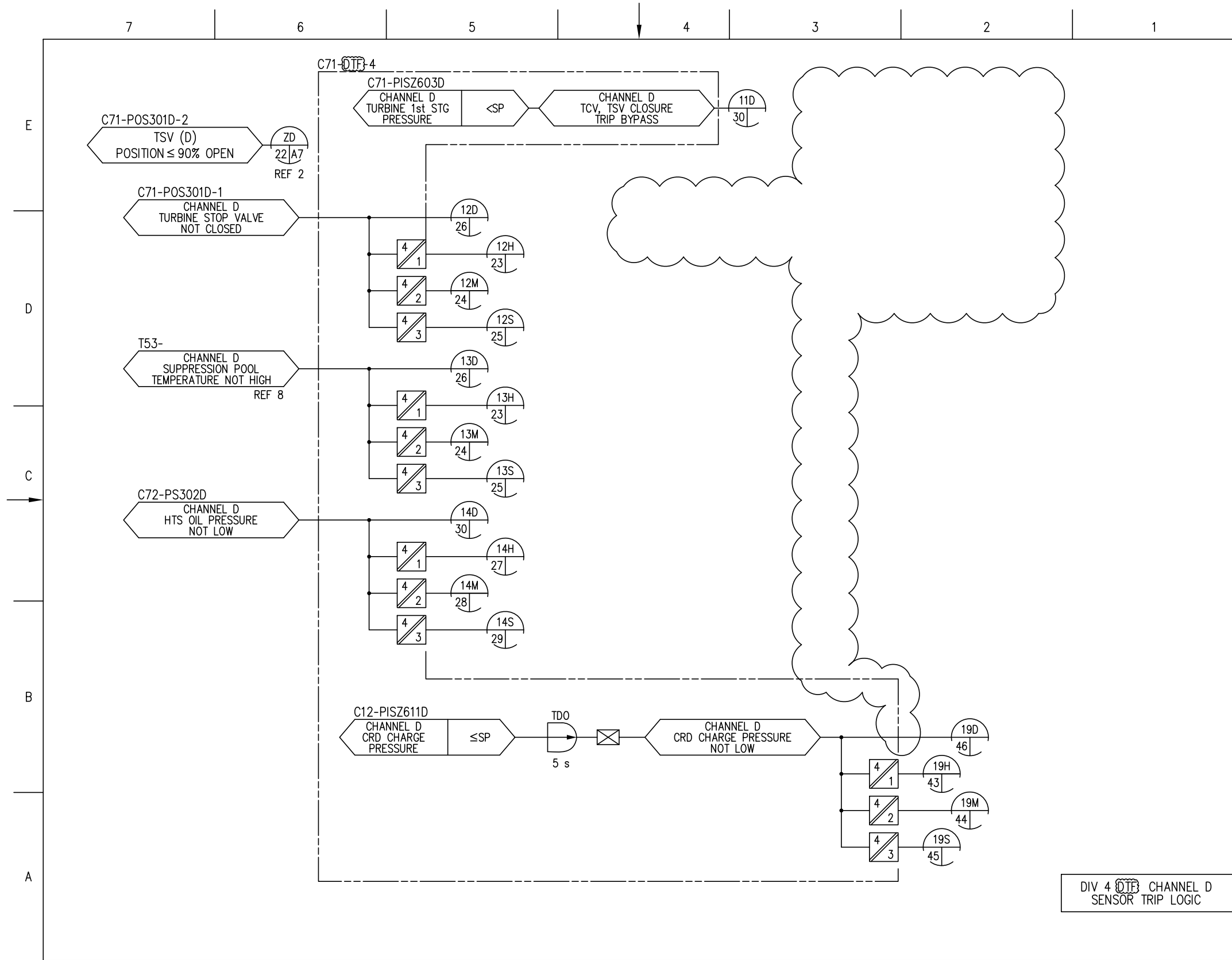


Figure 7.2-10 – Reactor Protection System IBD (Sheet 14 of 72)

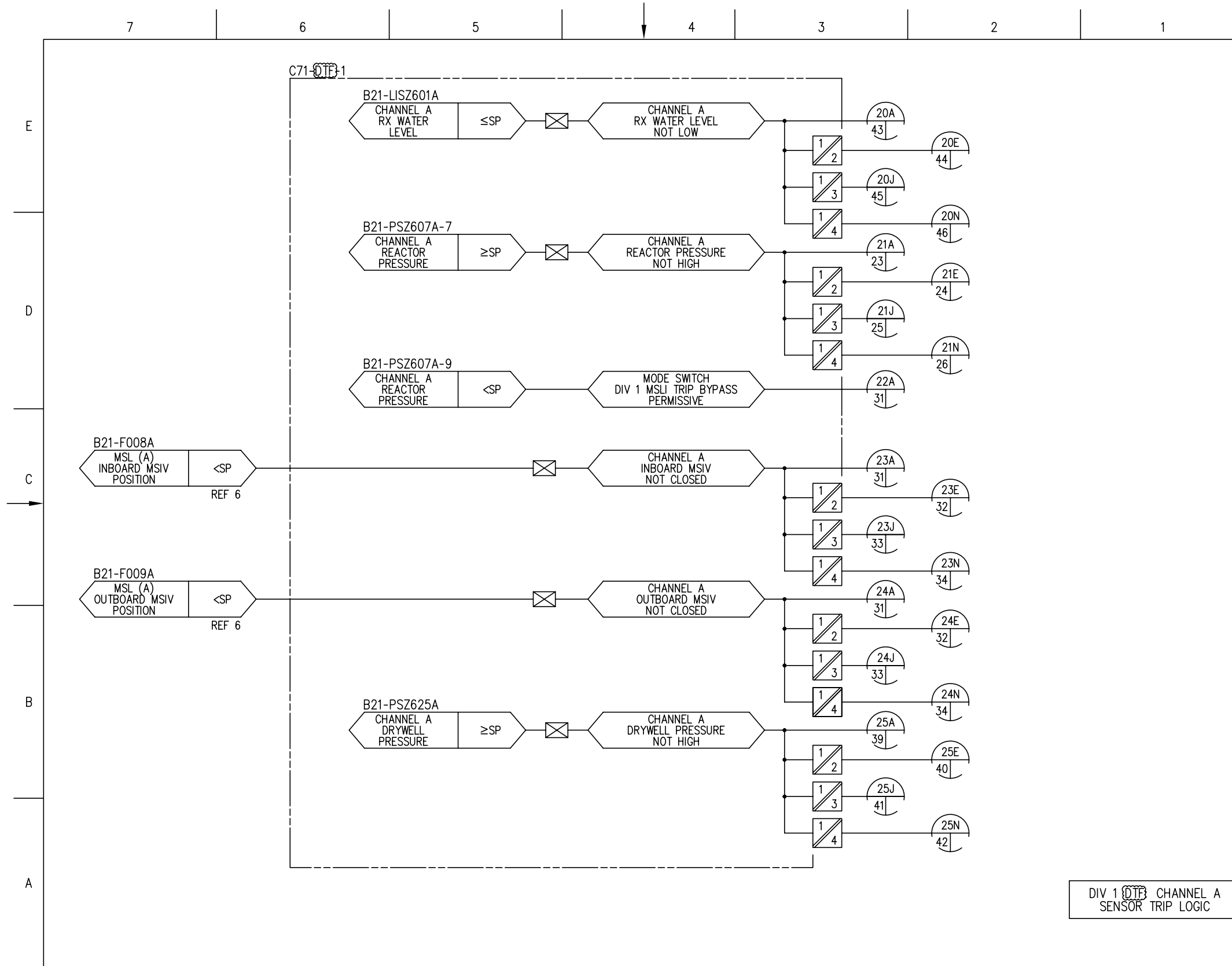


Figure 7.2-10 – Reactor Protection System IBD (Sheet 15 of 72)

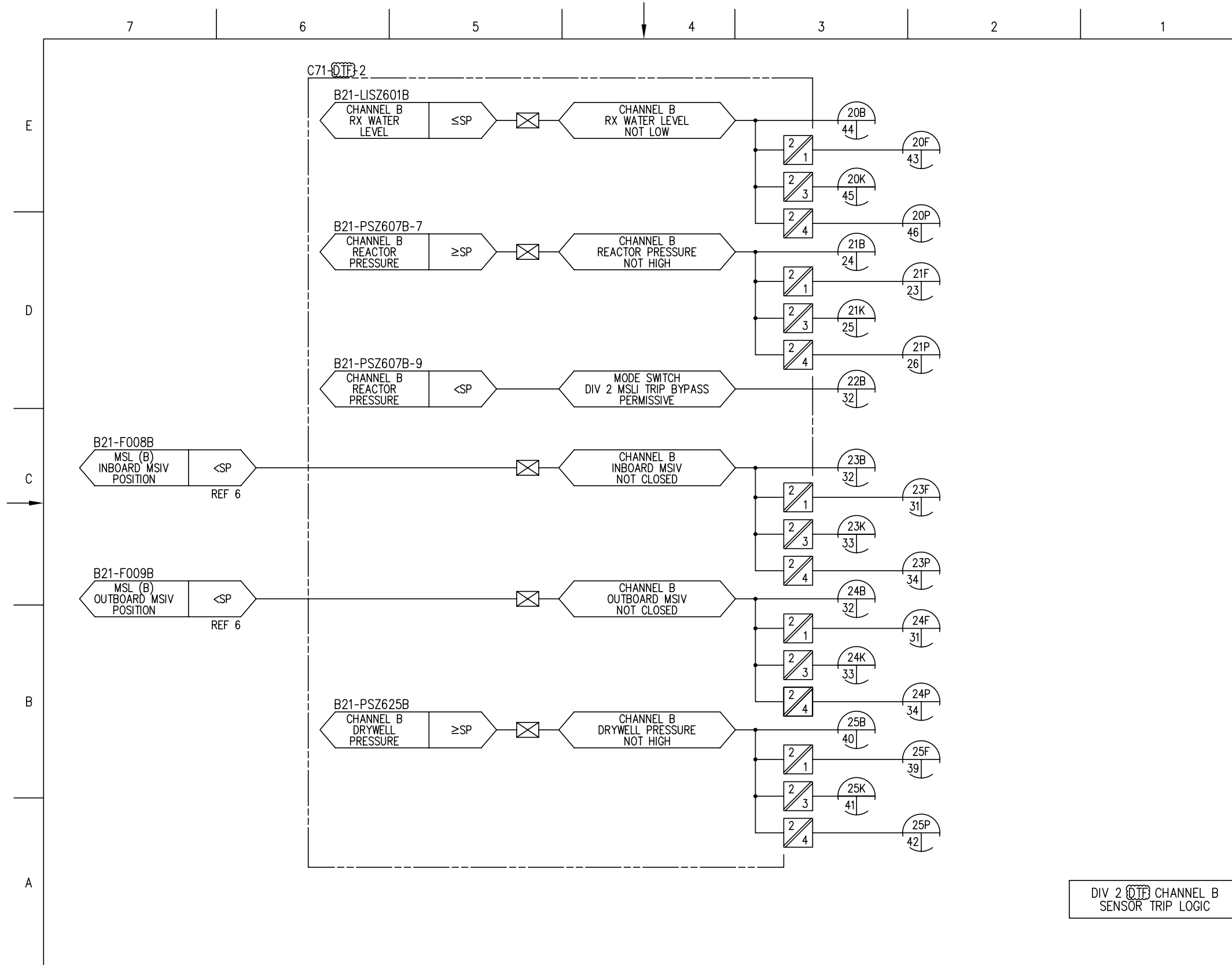


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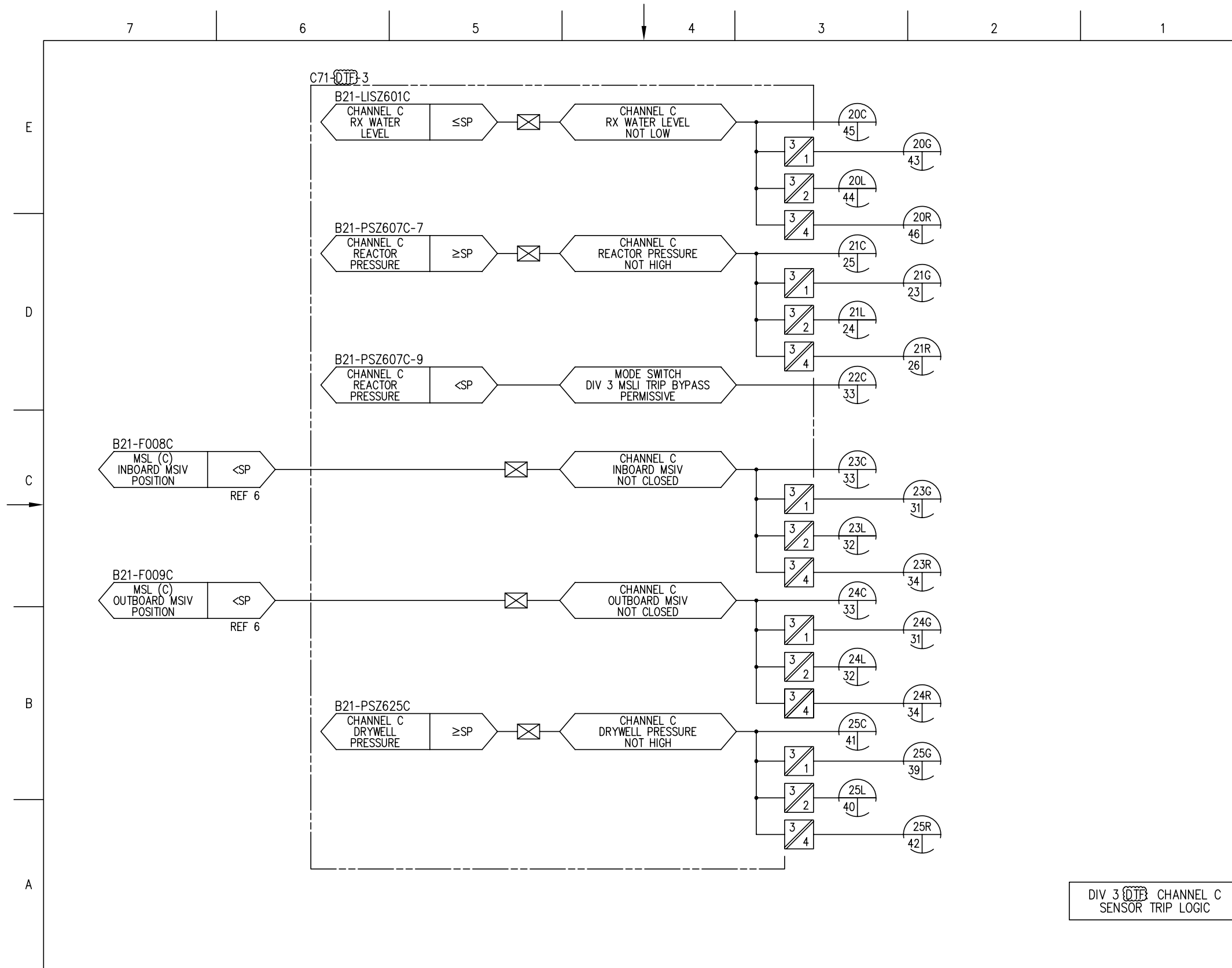
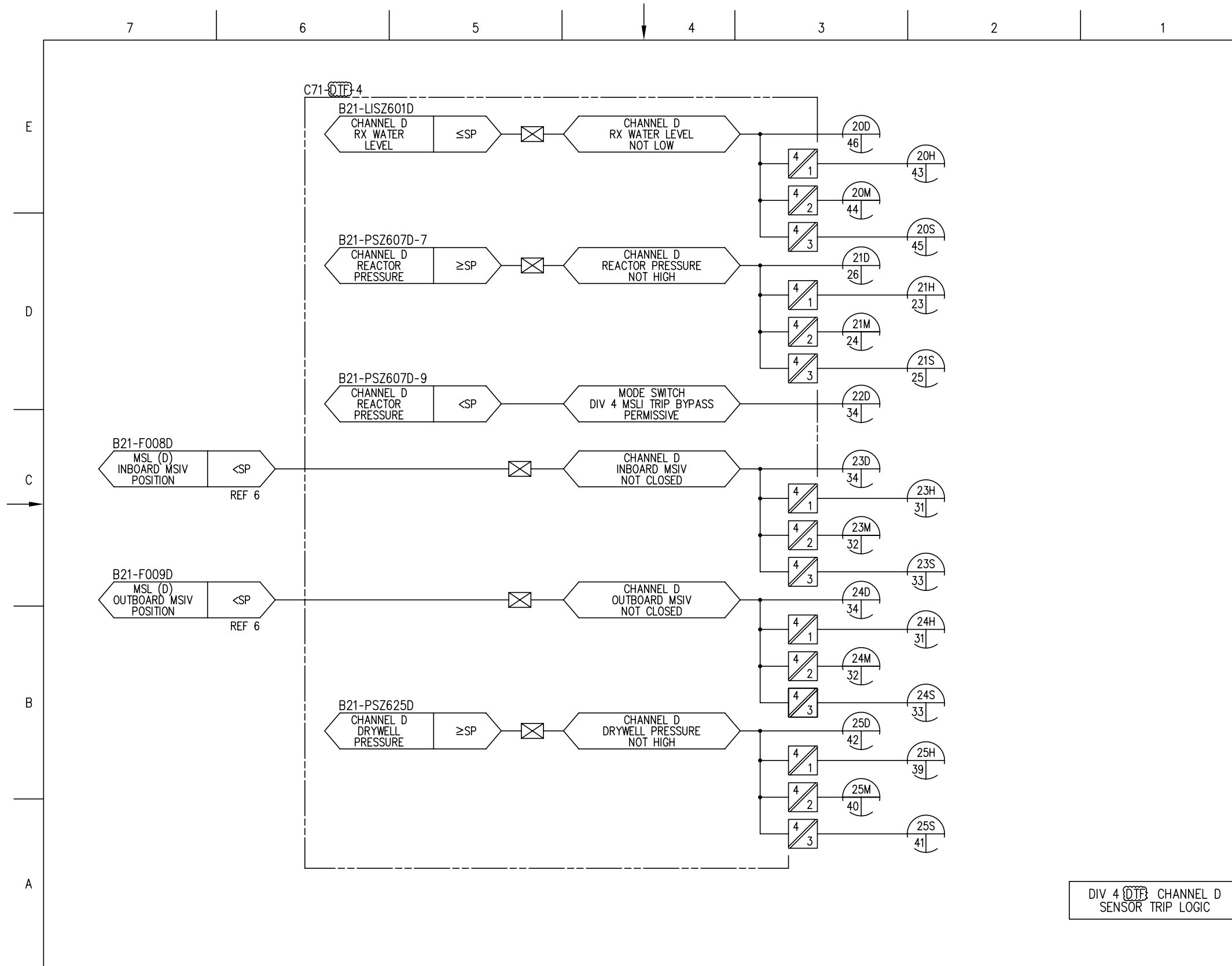
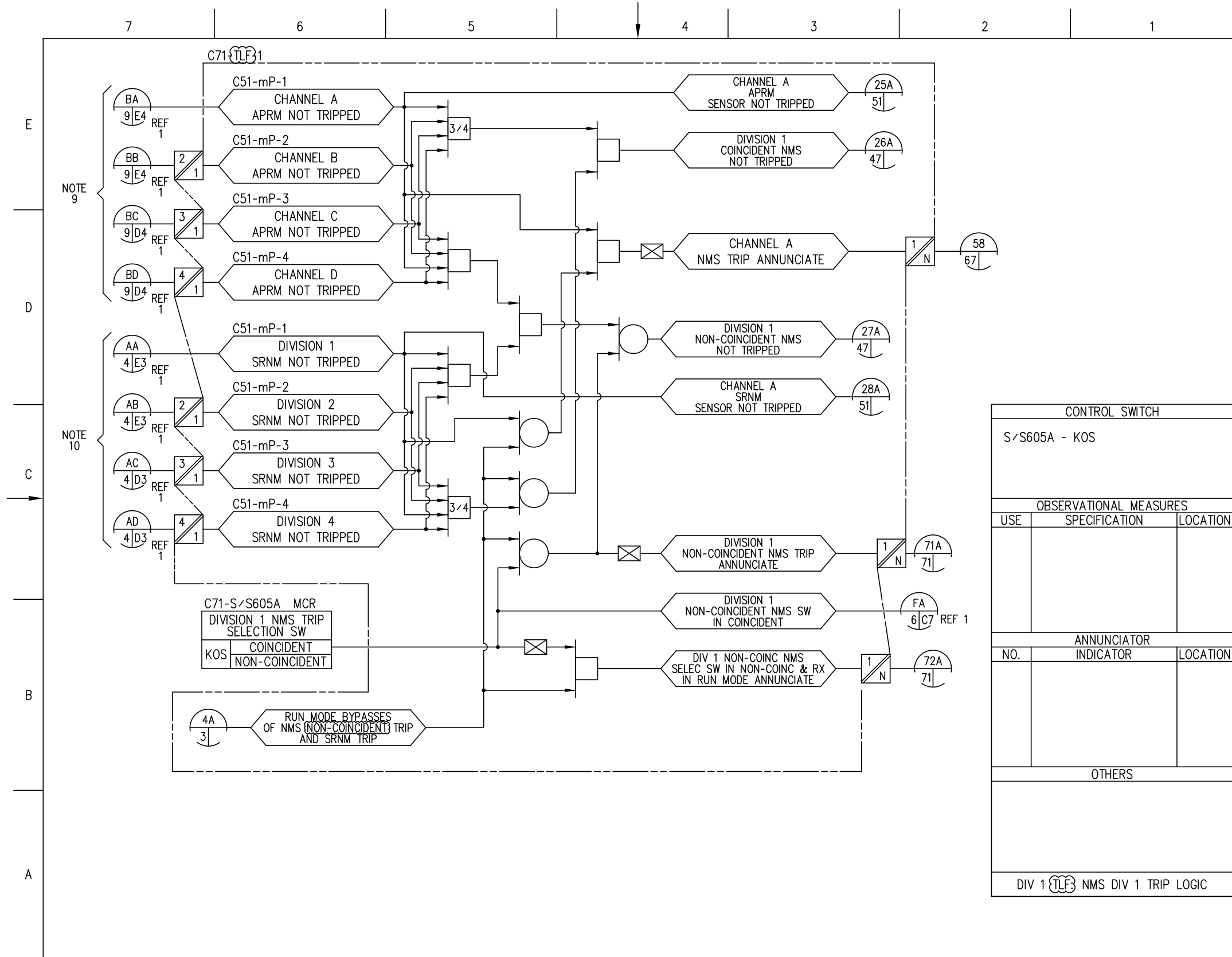


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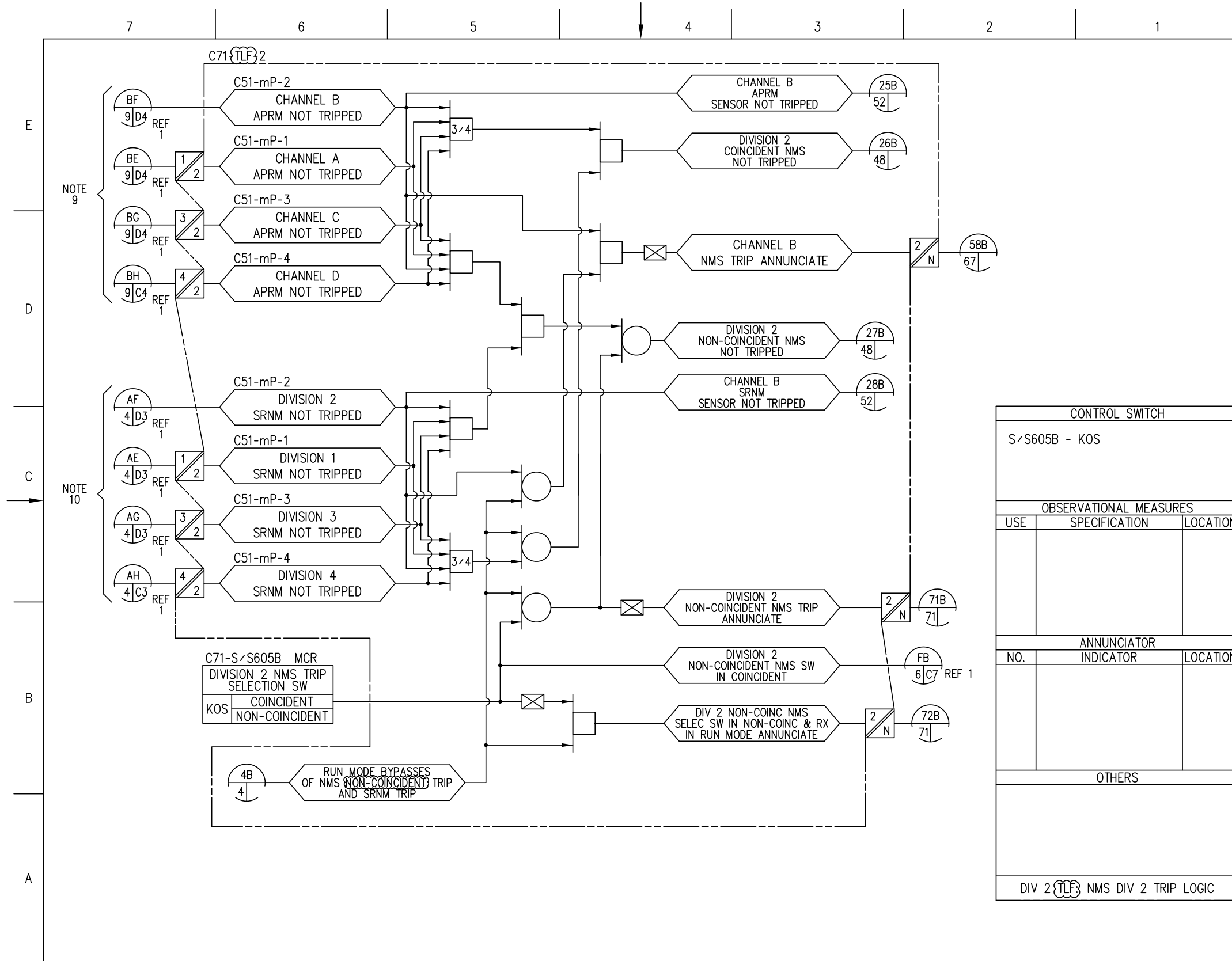
DIV 4 DTB CHANNEL D
SENSOR TRIP LOGIC

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CONTROL SWITCH		
S/S605A - KOS		
OBSERVATIONAL MEASURES		
USE	SPECIFICATION	LOCATION
ANNUNCIATOR		
NO.	INDICATOR	LOCATION
OTHERS		
DIV 1 TLF NMS DIV 1 TRIP LOGIC		

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CONTROL SWITCH		
S/S605B - KOS		
OBSERVATIONAL MEASURES		
USE	SPECIFICATION	LOCATION
ANNUNCIATOR		
NO.	INDICATOR	LOCATION
OTHERS		
DIV 2 TLF NMS DIV 2 TRIP LOGIC		

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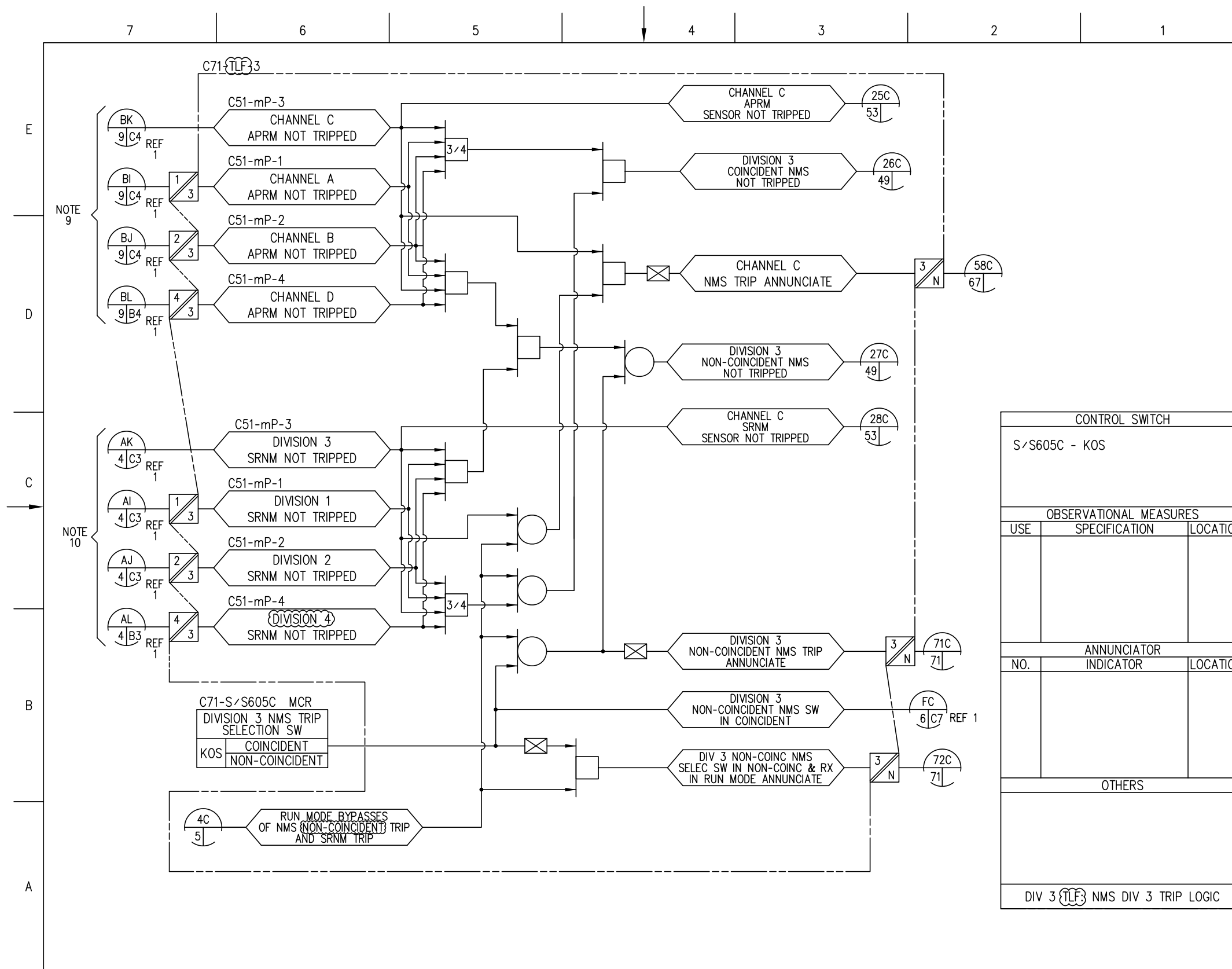


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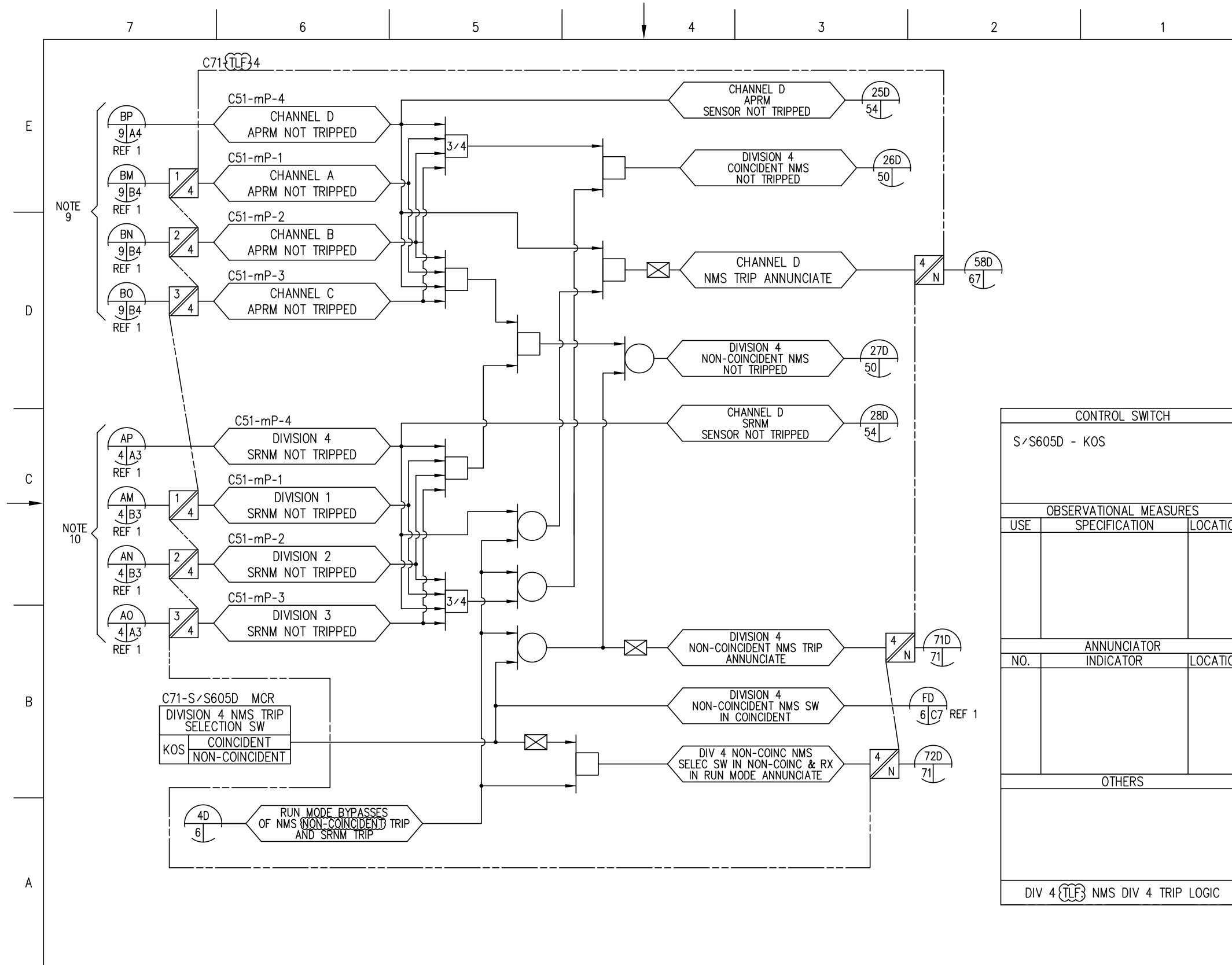


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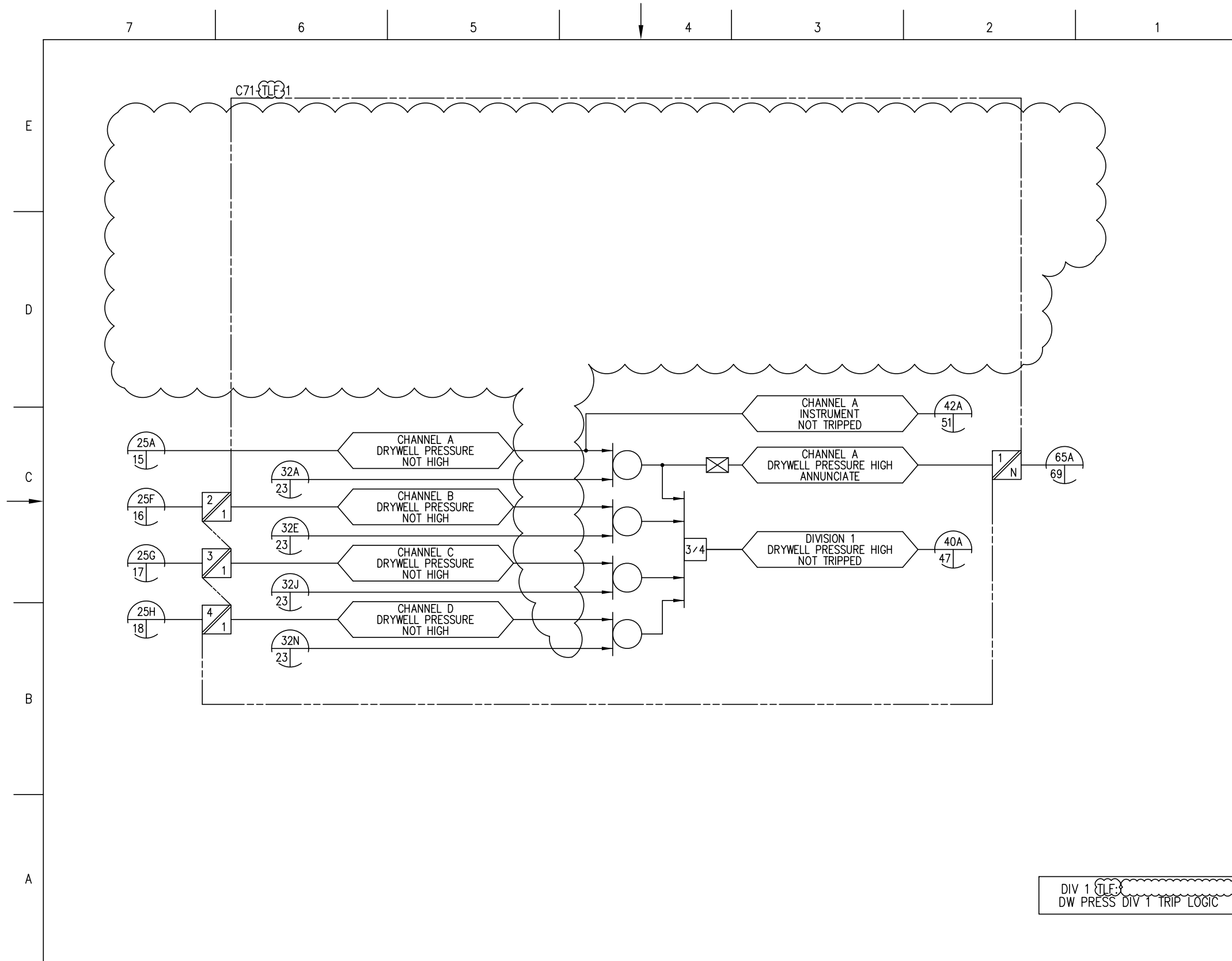


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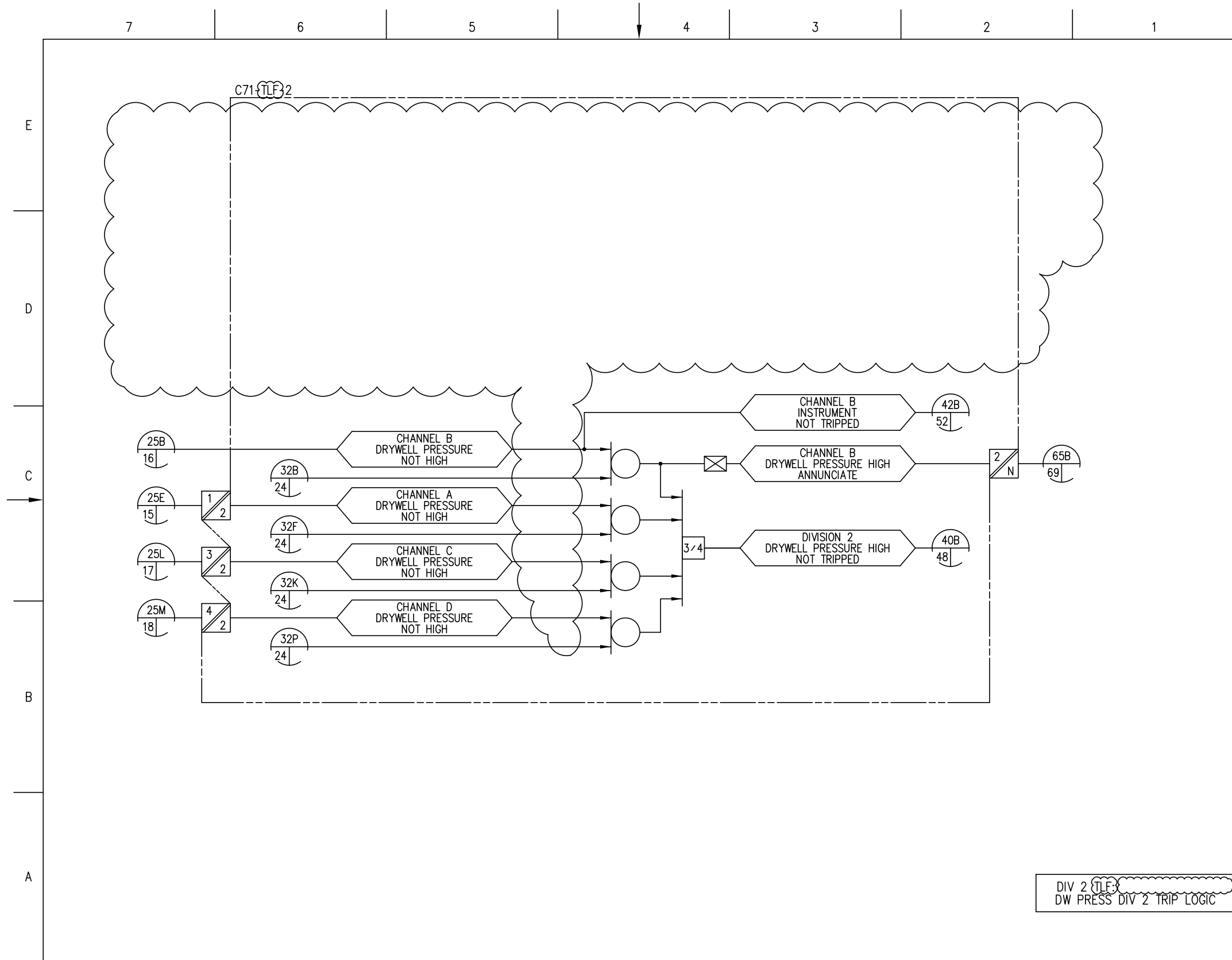


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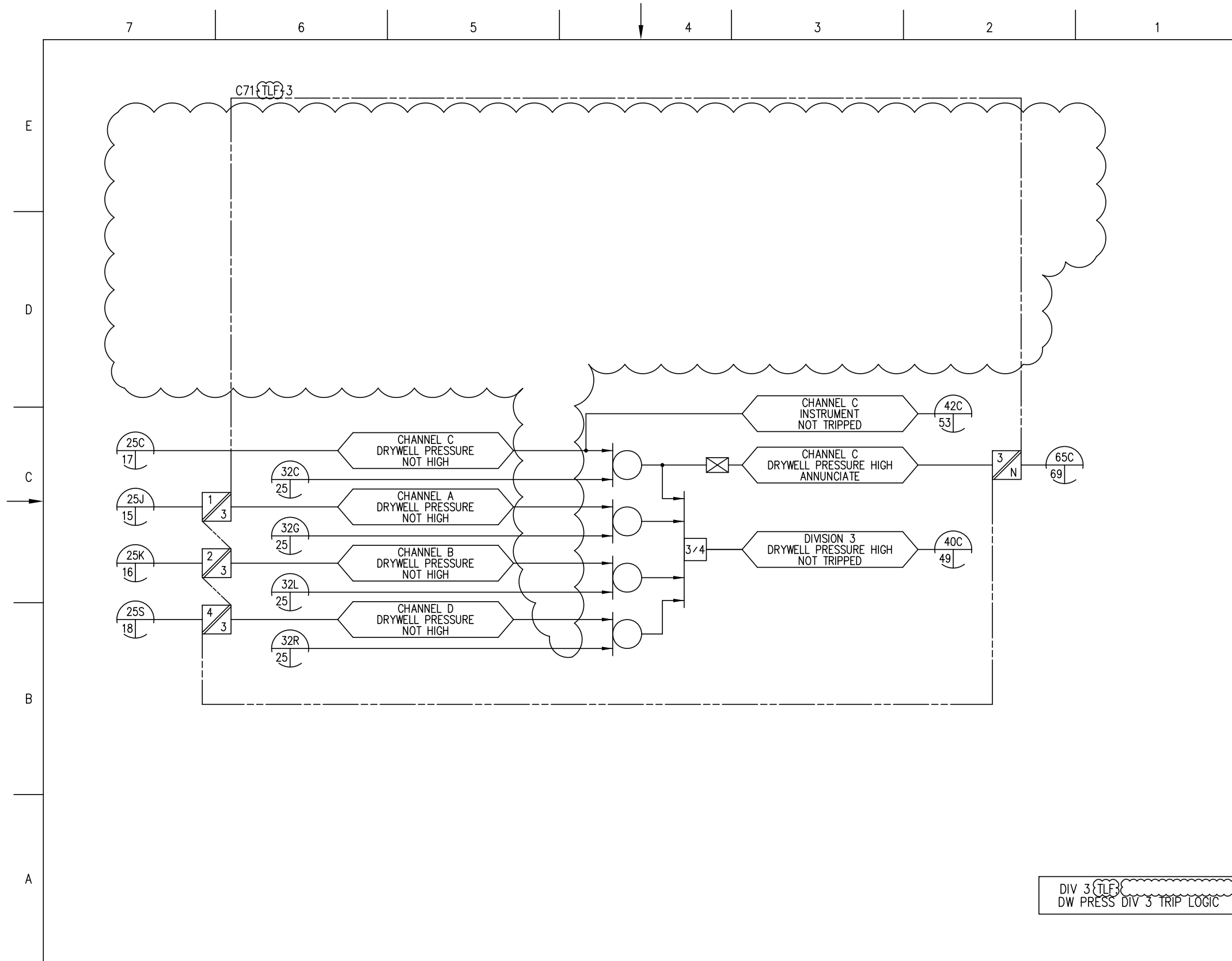


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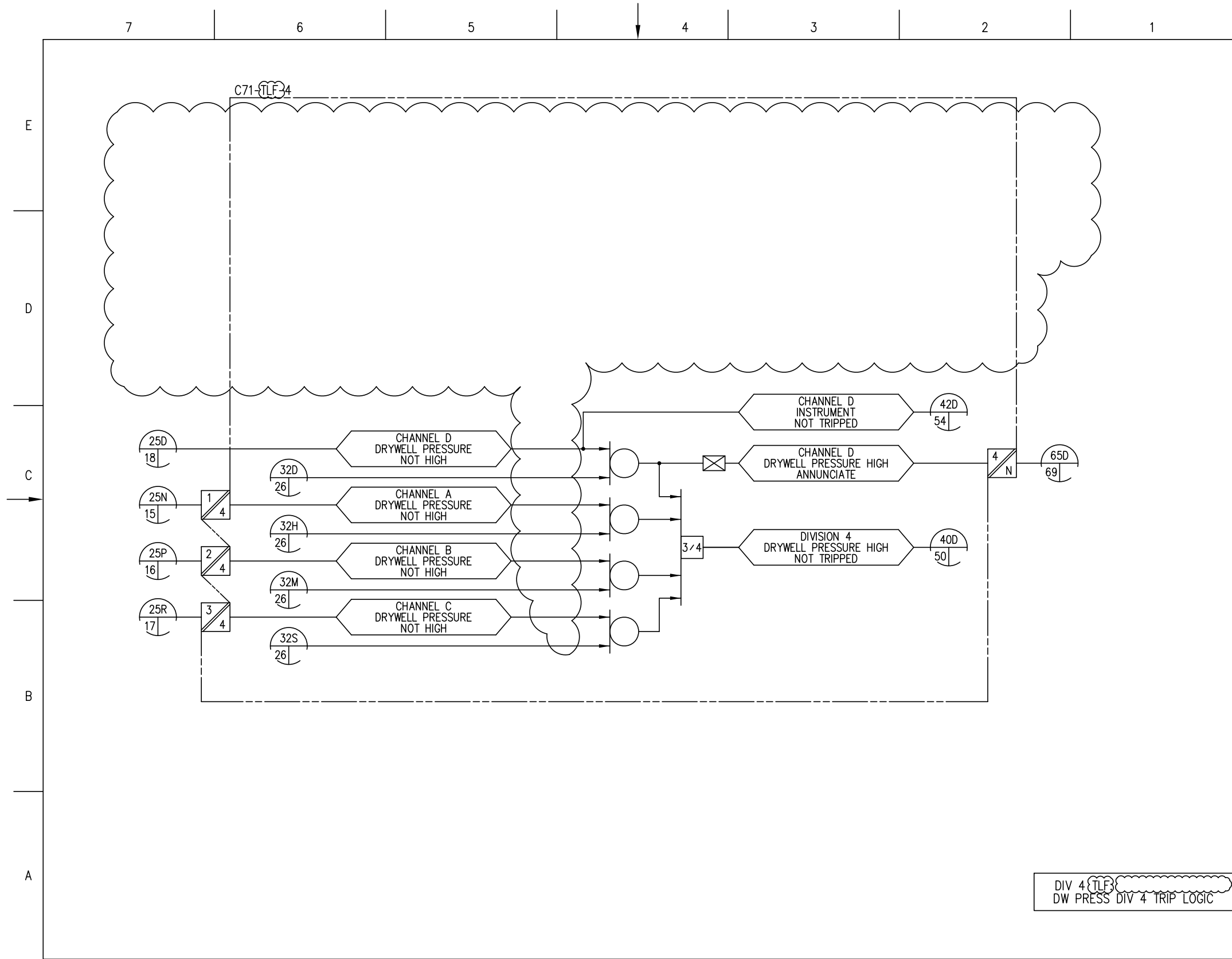
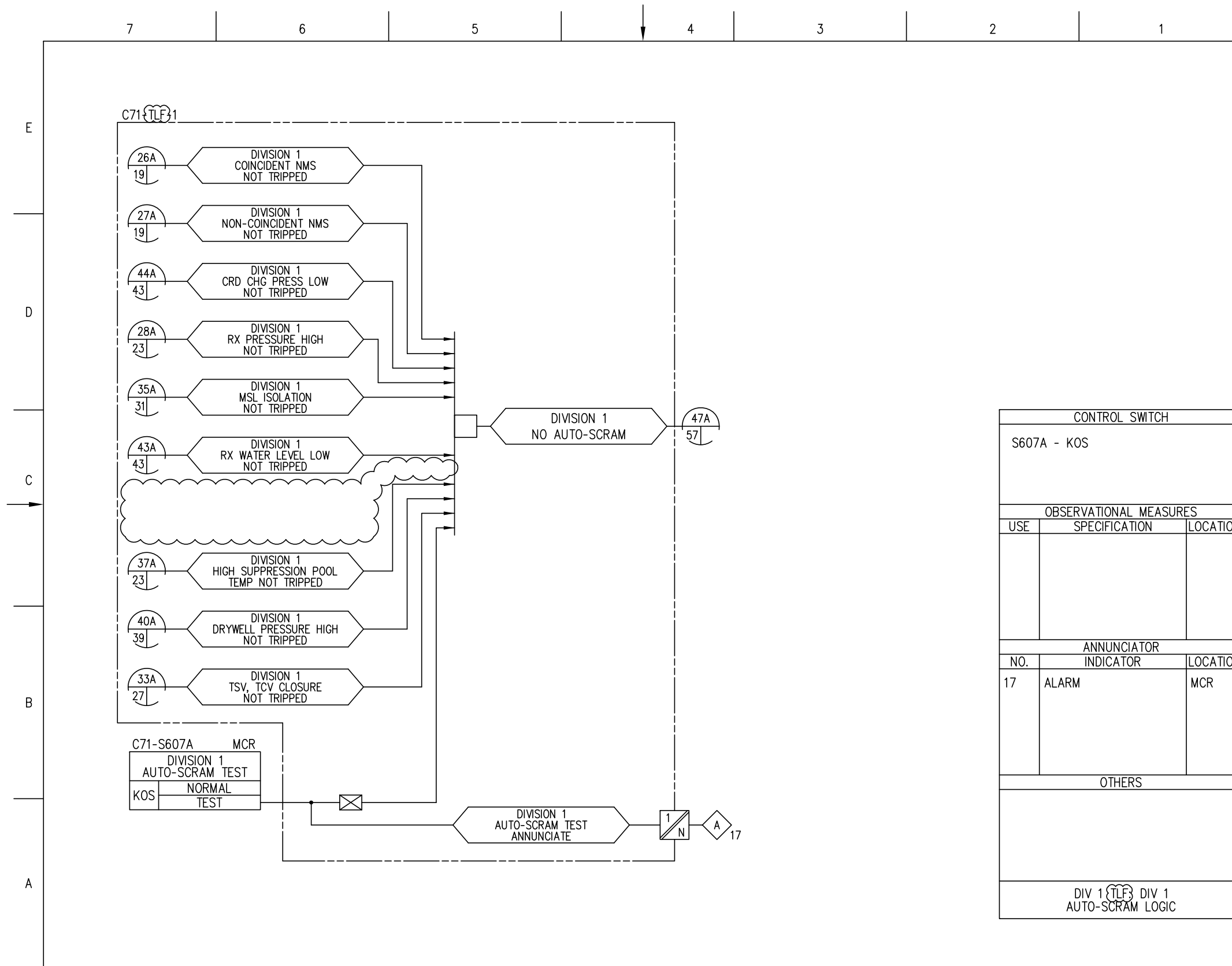
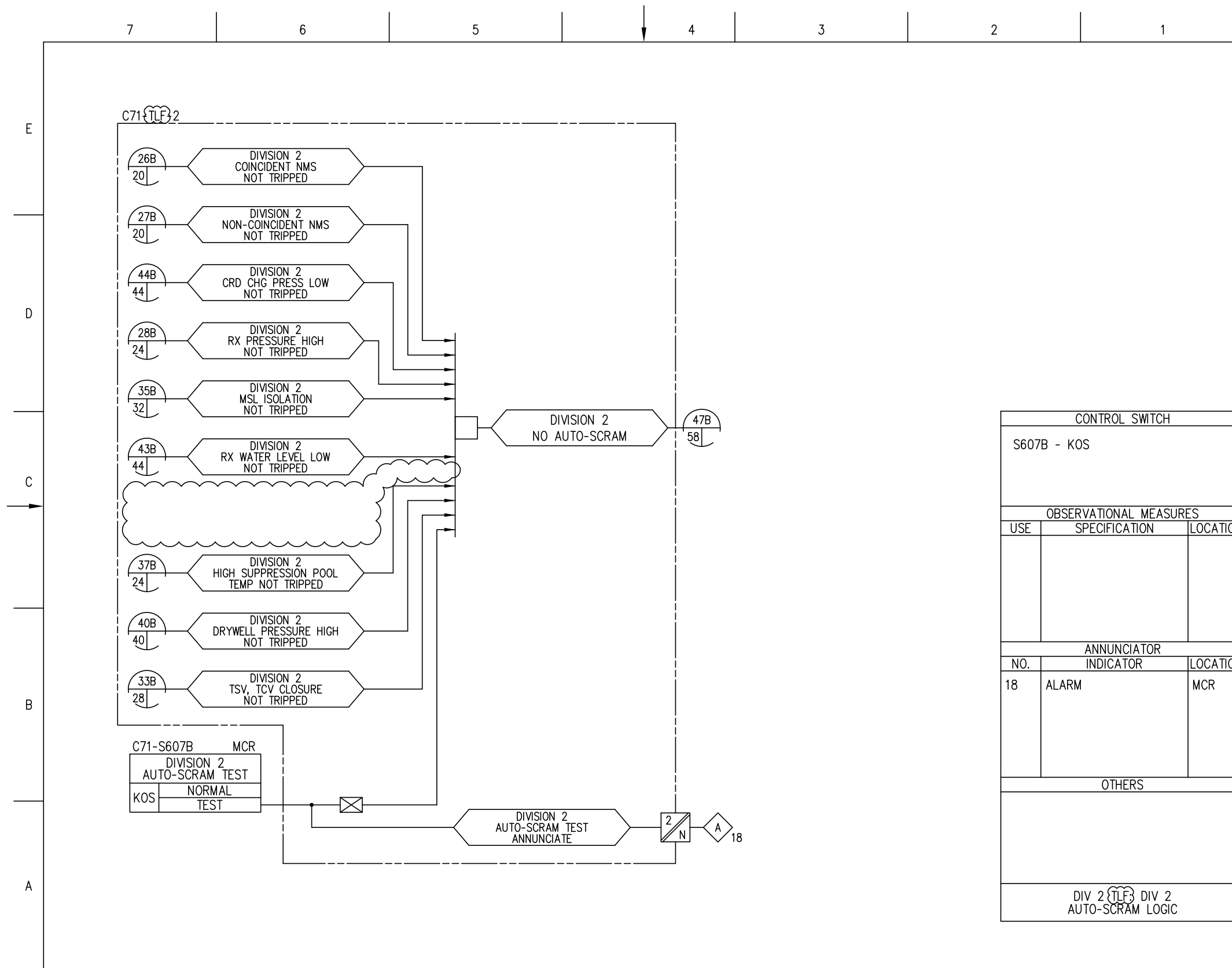


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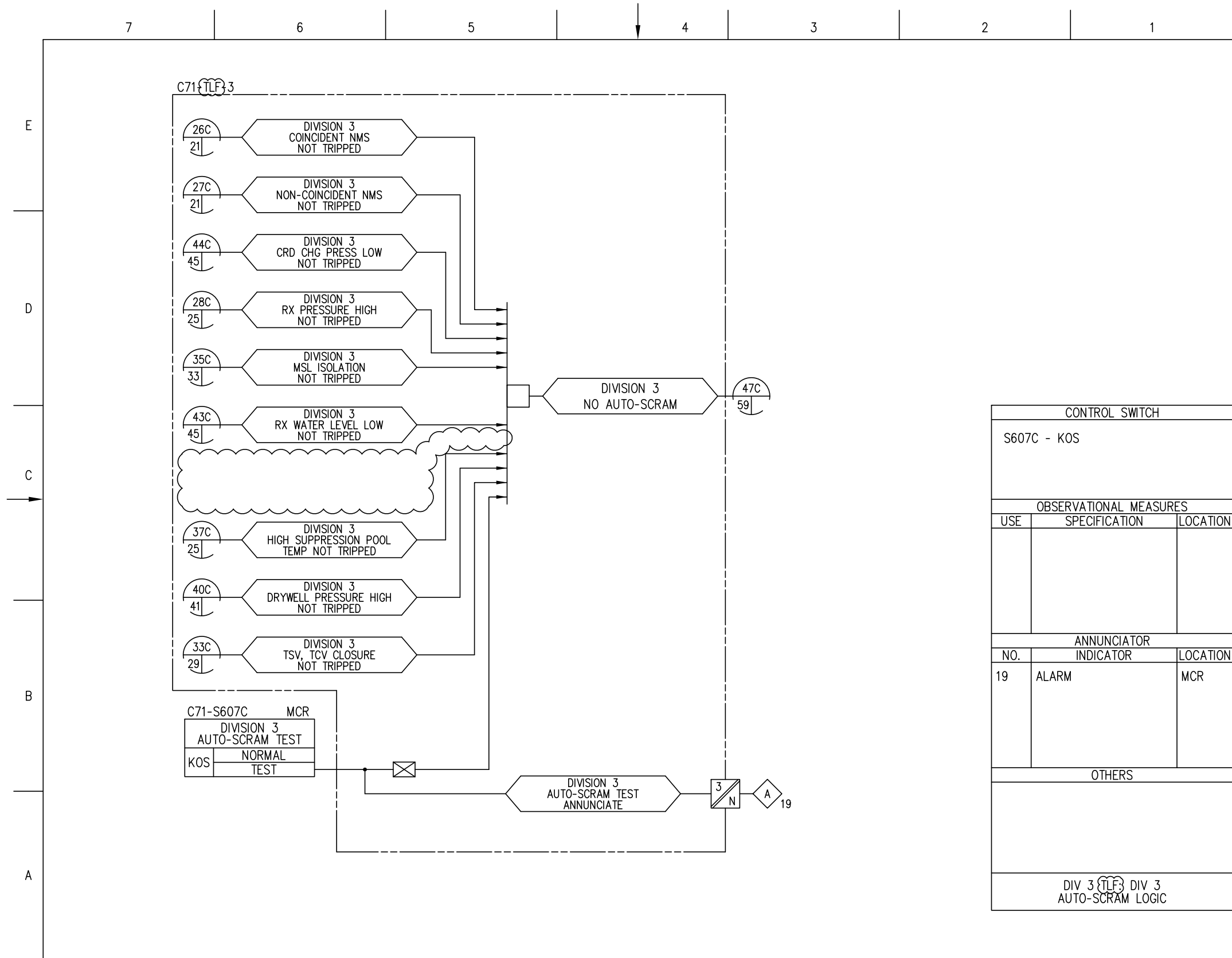
CONTROL SWITCH		
S607A - KOS		
OBSERVATIONAL MEASURES		
USE	SPECIFICATION	LOCATION
ANNUNCIATOR		
NO.	INDICATOR	LOCATION
17	ALARM	MCR
OTHERS		
DIV 1 TLF DIV 1 AUTO-SCRAM LOGIC		

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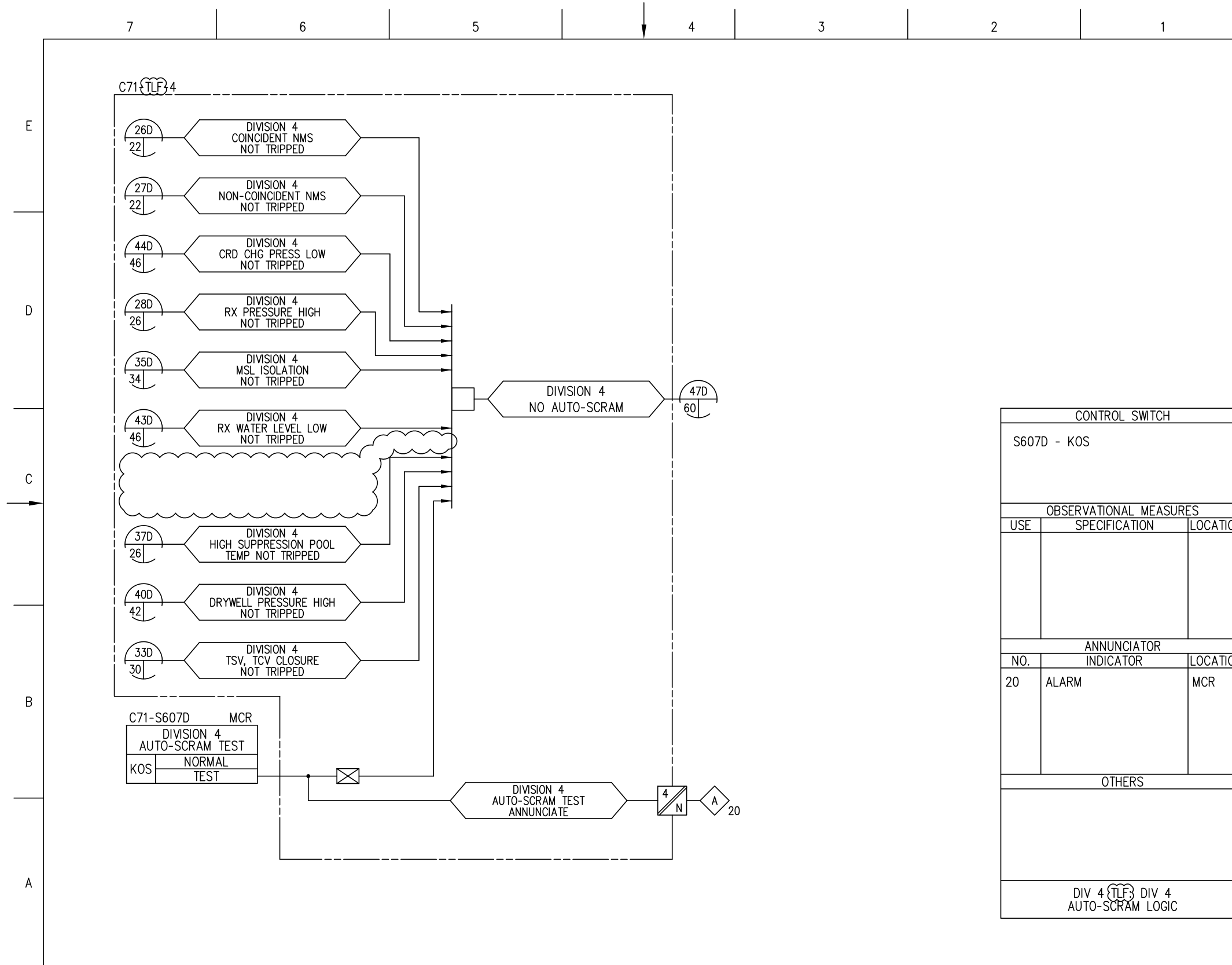
CONTROL SWITCH		
S607B - KOS		
OBSERVATIONAL MEASURES		
USE	SPECIFICATION	LOCATION
ANNUNCIATOR		
NO.	INDICATOR	LOCATION
18	ALARM	MCR
OTHERS		
DIV 2 (TLF) DIV 2 AUTO-SCRAM LOGIC		

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CONTROL SWITCH		
S607C - KOS		
OBSERVATIONAL MEASURES		
USE	SPECIFICATION	LOCATION
ANNUNCIATOR		
NO.	INDICATOR	LOCATION
19	ALARM	MCR
OTHERS		
DIV 3 (TLF) DIV 3 AUTO-SCRAM LOGIC		

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CONTROL SWITCH		
S607D - KOS		
OBSERVATIONAL MEASURES		
USE	SPECIFICATION	LOCATION
ANNUNCIATOR		
NO.	INDICATOR	LOCATION
20	ALARM	MCR
OTHERS		
DIV 4 (TLF) DIV 4 AUTO-SCRAM LOGIC		

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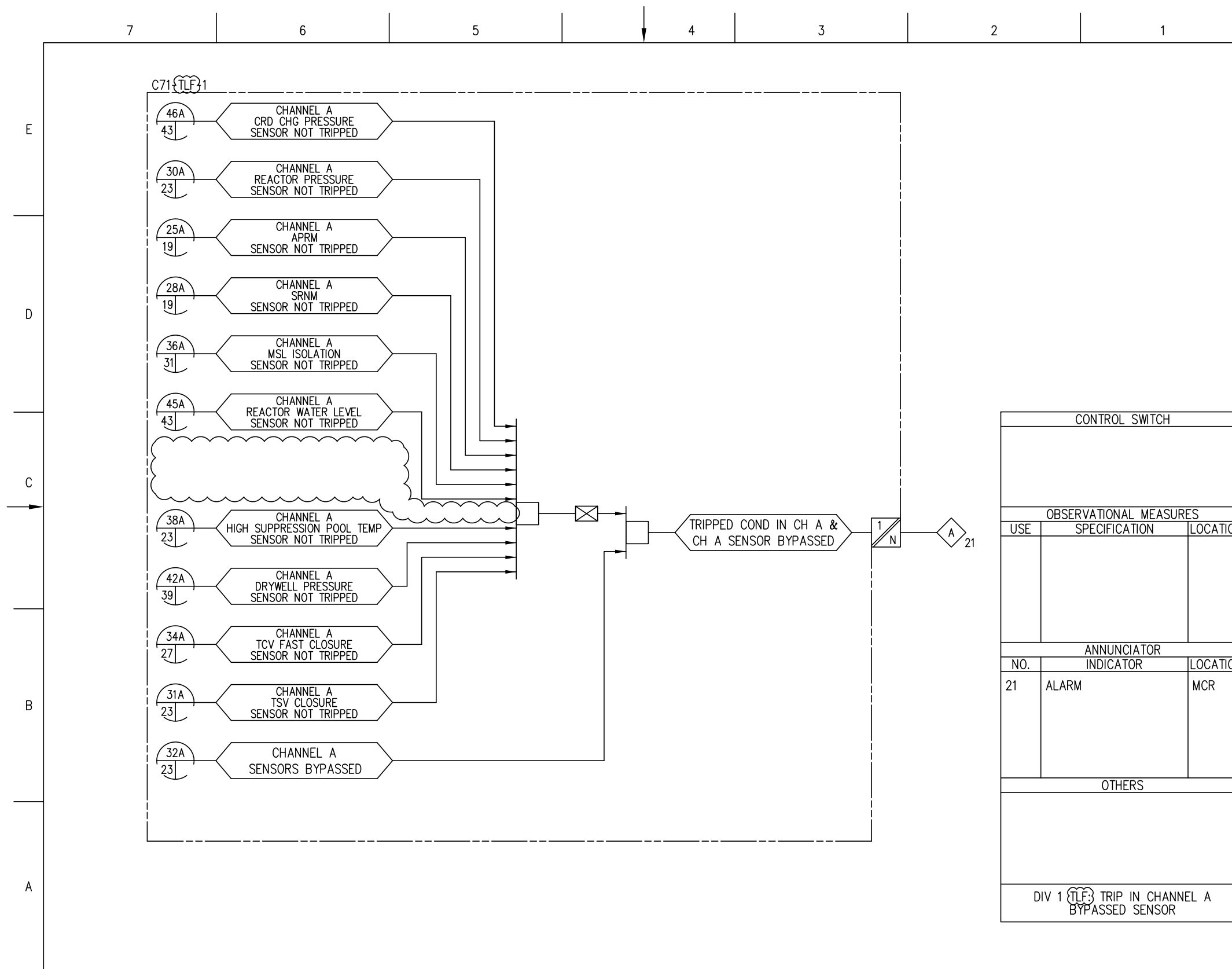


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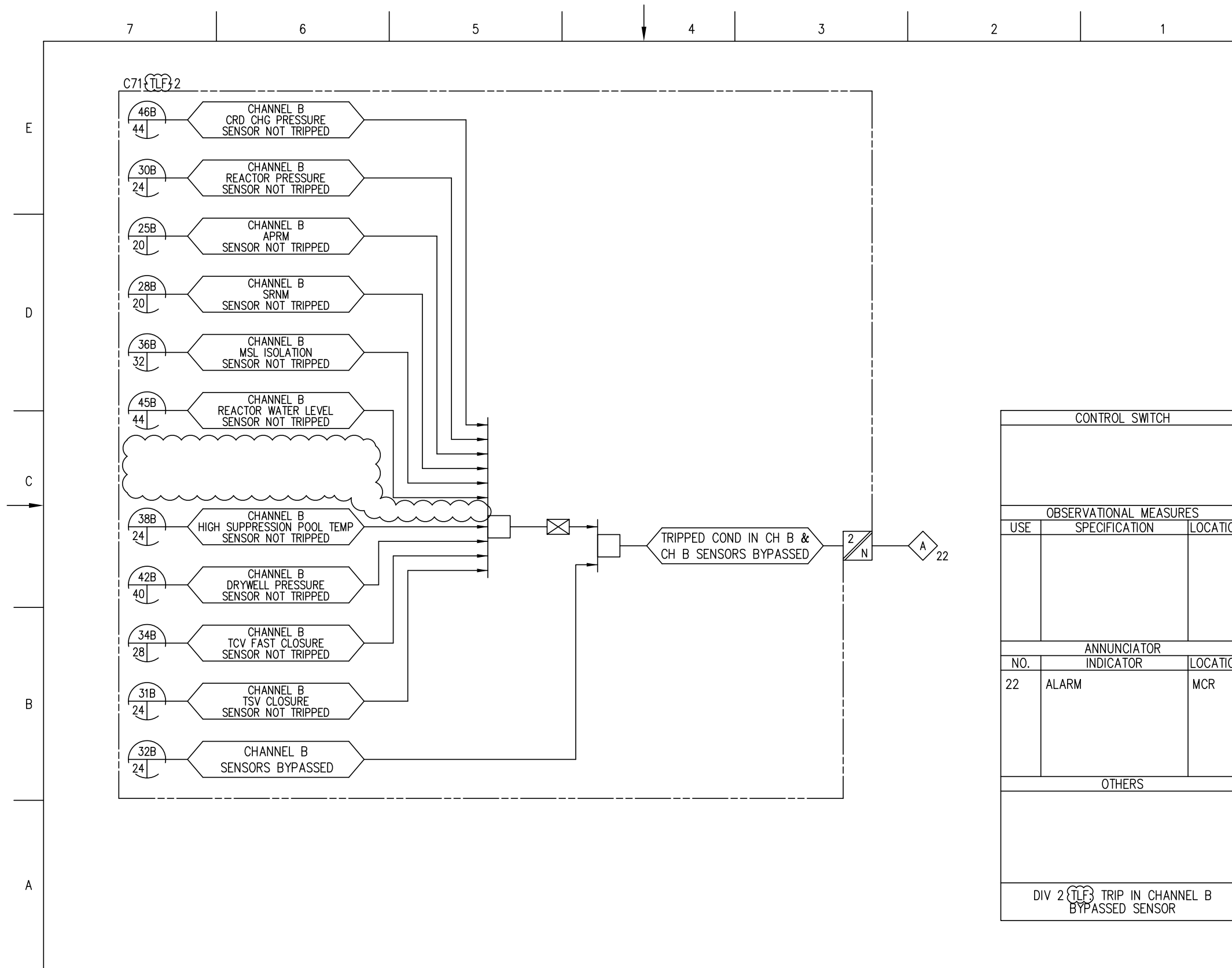


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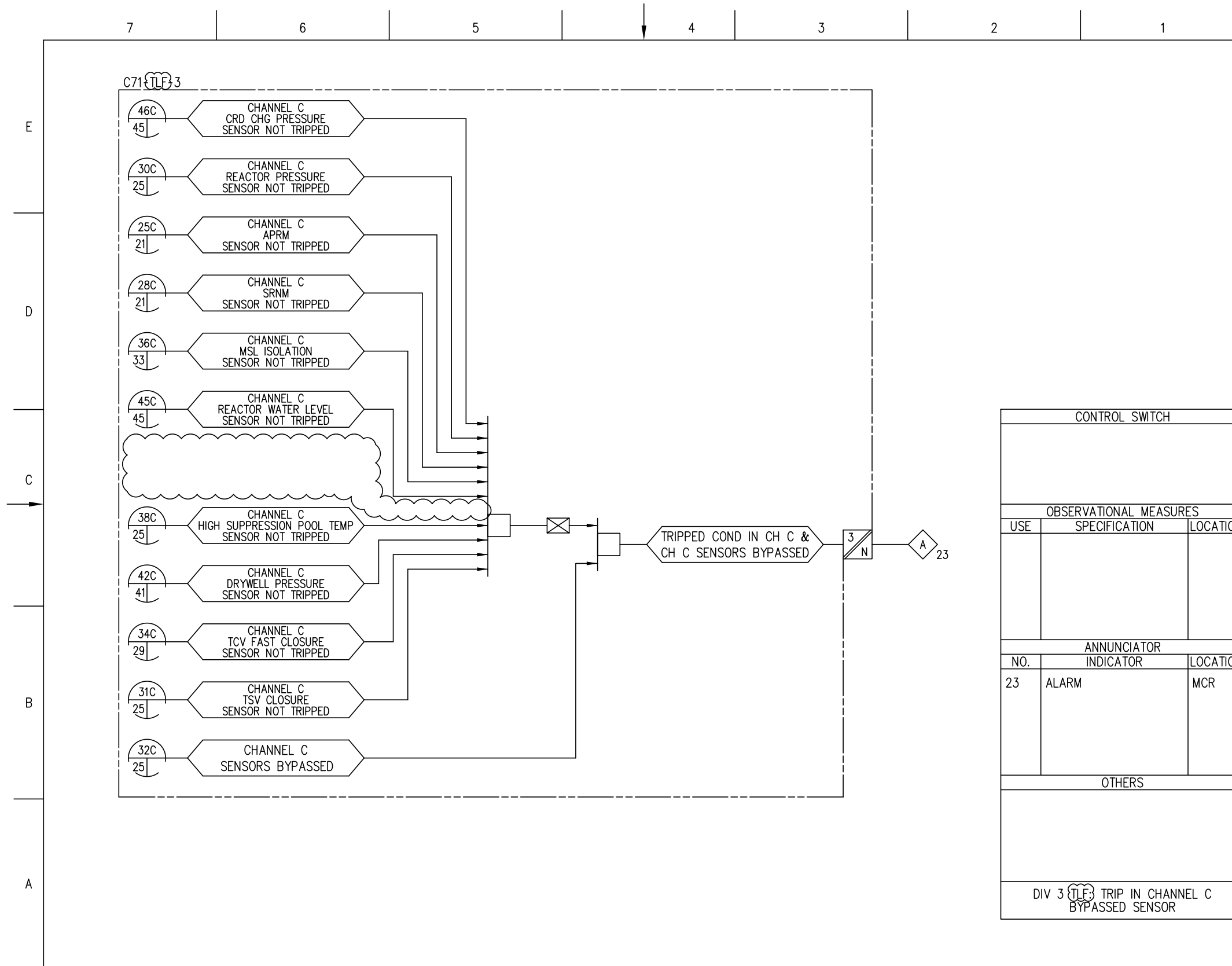


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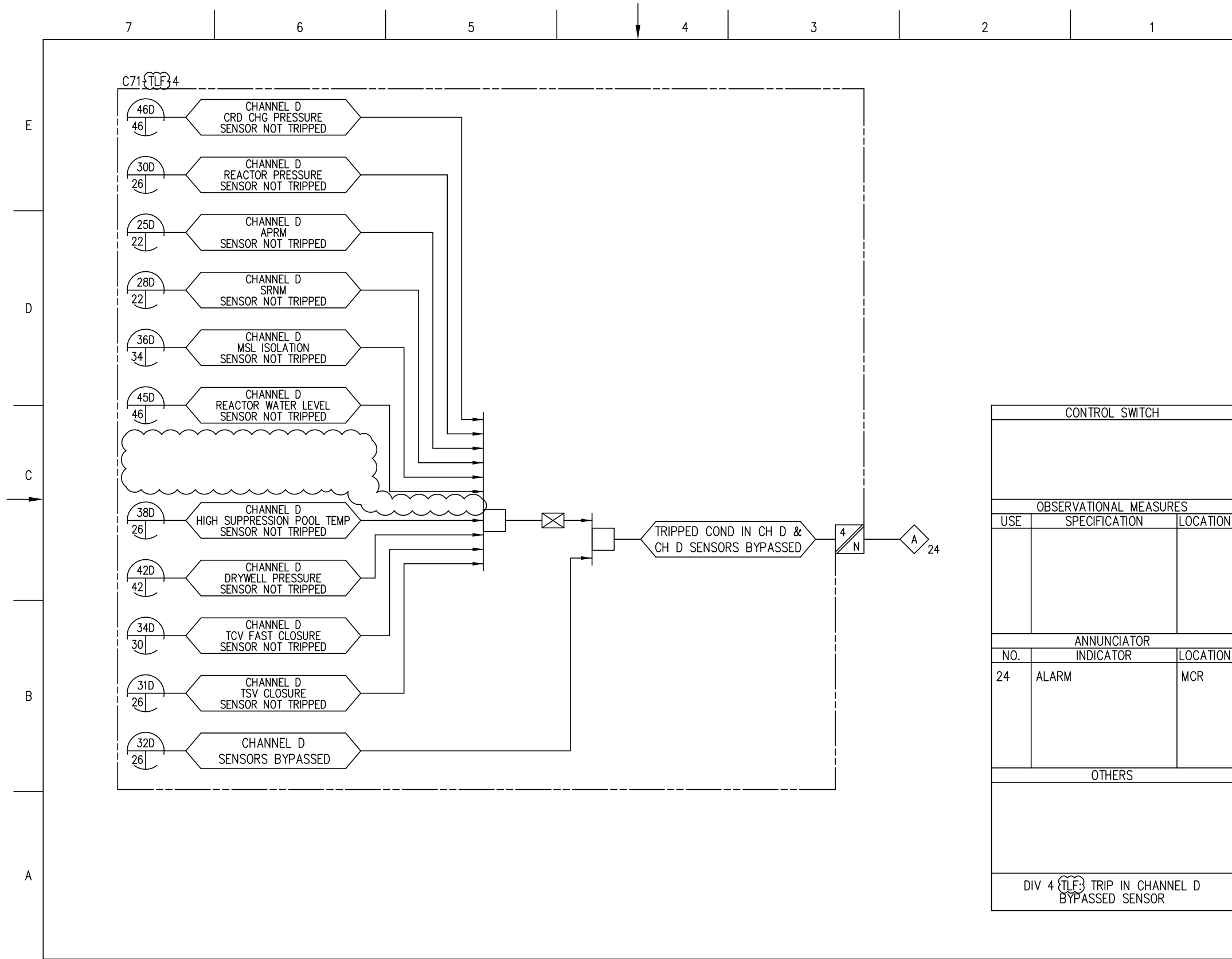


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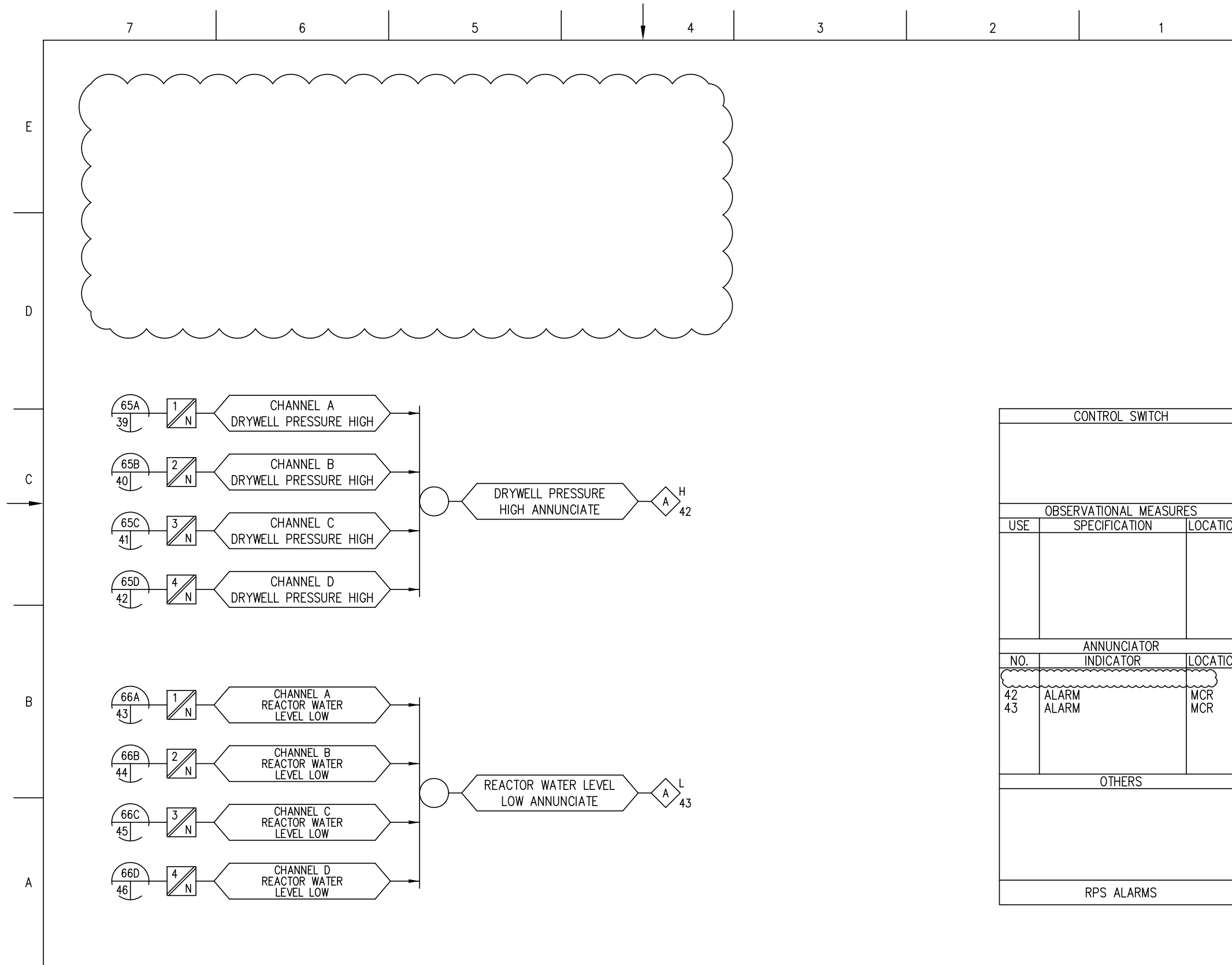


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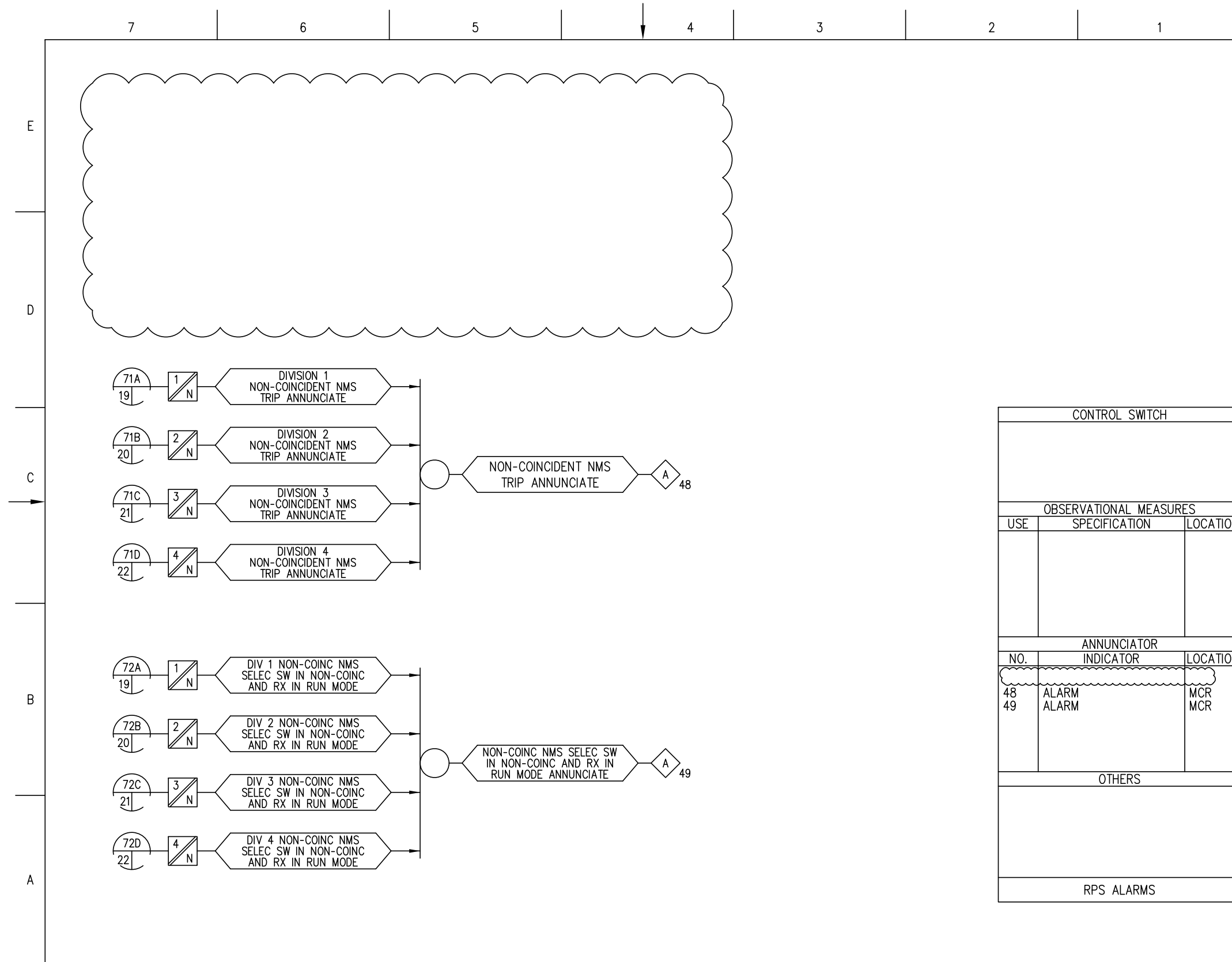


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