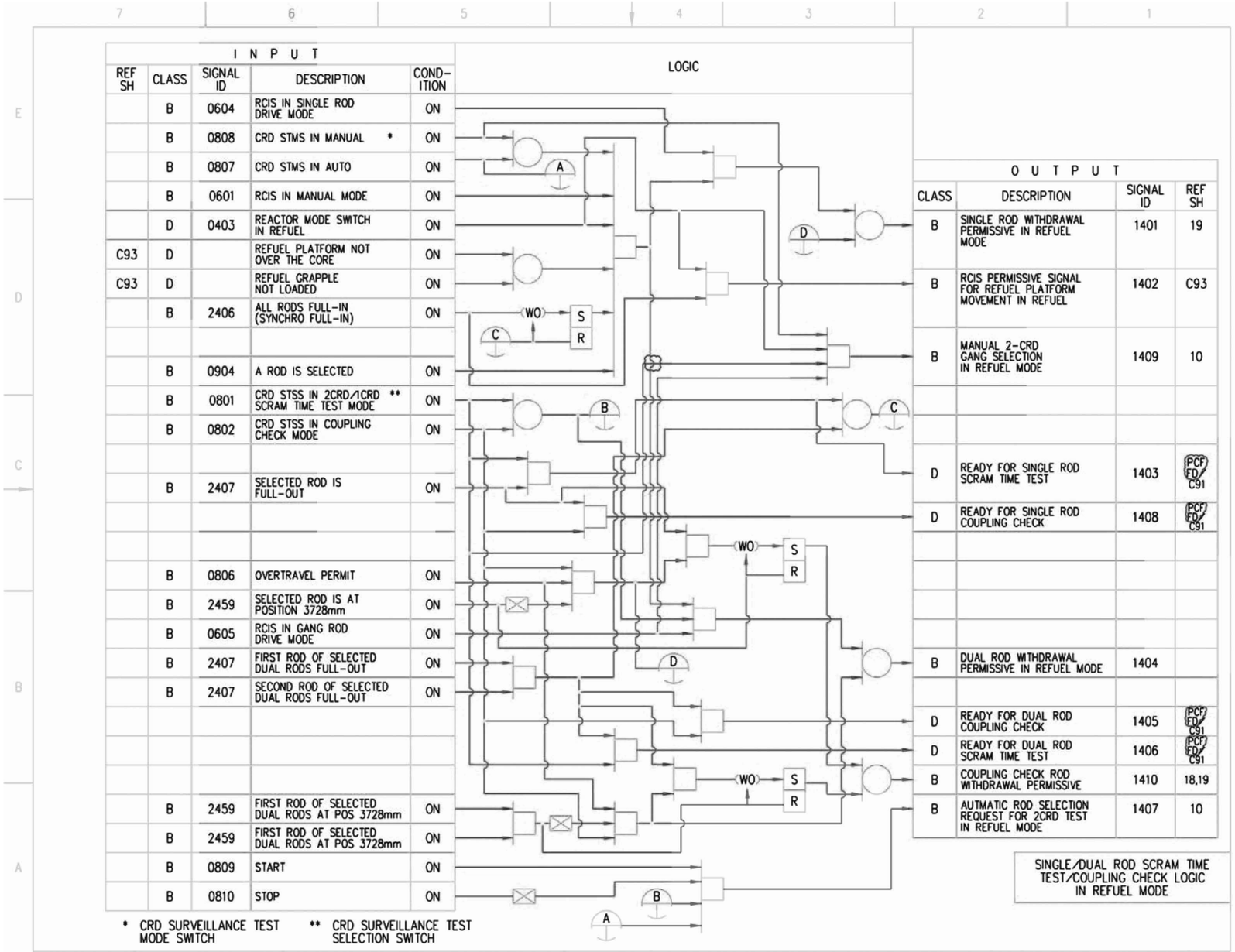


INPUT				
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION
	B	0604	RCIS IN SINGLE ROD DRIVE MODE	ON
	B	0808	CRD STMS IN MANUAL *	ON
	B	0807	CRD STMS IN AUTO	ON
	B	0601	RCIS IN MANUAL MODE	ON
	D	0403	REACTOR MODE SWITCH IN REFUEL	ON
C93	D		REFUEL PLATFORM NOT OVER THE CORE	ON
C93	D		REFUEL GRAPPLE NOT LOADED	ON
	B	2406	ALL RODS FULL-IN (SYNCHRO FULL-IN)	ON
	B	0904	A ROD IS SELECTED	ON
	B	0801	CRD STSS IN 2CRD/1CRD SCRAM TIME TEST MODE **	ON
	B	0802	CRD STSS IN COUPLING CHECK MODE	ON
	B	2407	SELECTED ROD IS FULL-OUT	ON
	B	0806	OVERTRAVEL PERMIT	ON
	B	2459	SELECTED ROD IS AT POSITION 3728mm	ON
	B	0605	RCIS IN GANG ROD DRIVE MODE	ON
	B	2407	FIRST ROD OF SELECTED DUAL RODS FULL-OUT	ON
	B	2407	SECOND ROD OF SELECTED DUAL RODS FULL-OUT	ON
	B	2459	FIRST ROD OF SELECTED DUAL RODS AT POS 3728mm	ON
	B	2459	FIRST ROD OF SELECTED DUAL RODS AT POS 3728mm	ON
	B	0809	START	ON
	B	0810	STOP	ON

LOGIC

OUTPUT			
CLASS	DESCRIPTION	SIGNAL ID	REF SH
B	SINGLE ROD WITHDRAWAL PERMISSIVE IN REFUEL MODE	1401	19
B	RCIS PERMISSIVE SIGNAL FOR REFUEL PLATFORM MOVEMENT IN REFUEL	1402	C93
B	MANUAL 2-CRD GANG SELECTION IN REFUEL MODE	1409	10
D	READY FOR SINGLE ROD SCRAM TIME TEST	1403	(PCF) FD C91
D	READY FOR SINGLE ROD COUPLING CHECK	1408	(PCF) FD C91
B	DUAL ROD WITHDRAWAL PERMISSIVE IN REFUEL MODE	1404	
D	READY FOR DUAL ROD COUPLING CHECK	1405	(PCF) FD C91
D	READY FOR DUAL ROD SCRAM TIME TEST	1406	(PCF) FD C91
B	COUPLING CHECK ROD WITHDRAWAL PERMISSIVE	1410	18,19
B	AUTMATIC ROD SELECTION REQUEST FOR 2CRD TEST IN REFUEL MODE	1407	10

SINGLE/DUAL ROD SCRAM TIME TEST/COUPLING CHECK LOGIC IN REFUEL MODE

* CRD SURVEILLANCE TEST MODE SWITCH

** CRD SURVEILLANCE TEST SELECTION SWITCH

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 14 of 87)

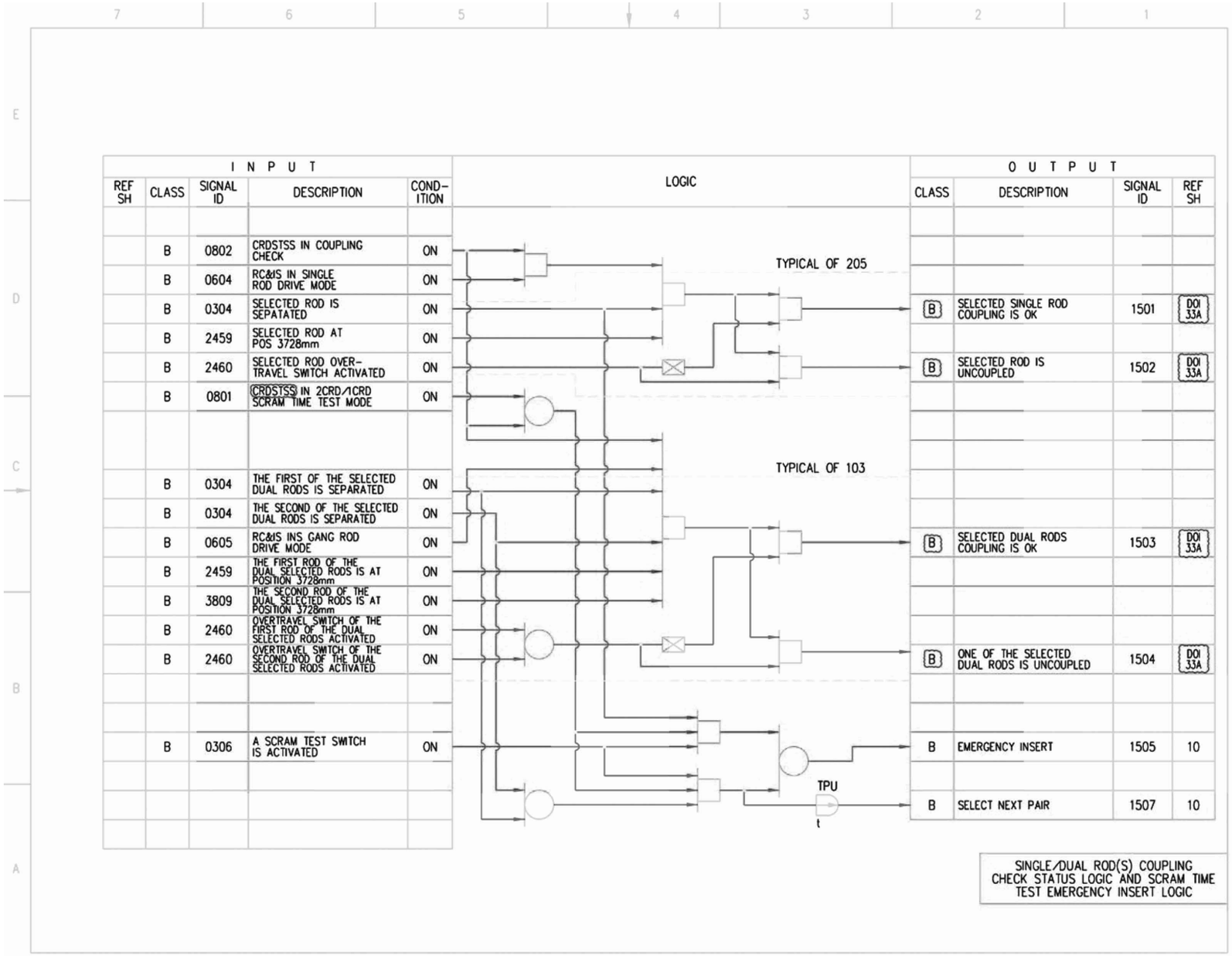
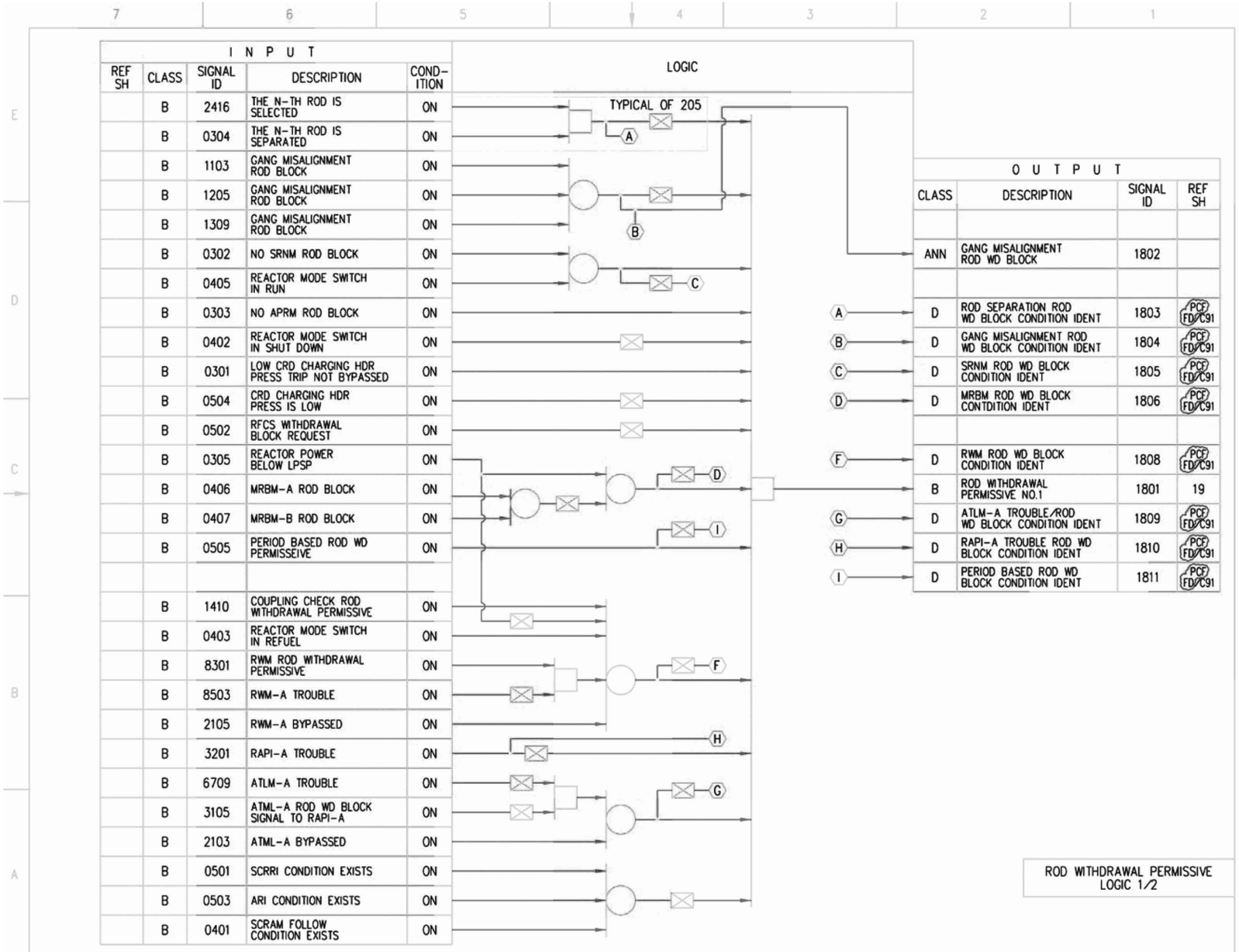


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 15 of 87)



INPUT					LOGIC
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION	
	B	2416	THE N-TH ROD IS SELECTED	ON	TYPICAL OF 205
	B	0304	THE N-TH ROD IS SEPARATED	ON	A
	B	1103	GANG MISALIGNMENT ROD BLOCK	ON	
	B	1205	GANG MISALIGNMENT ROD BLOCK	ON	B
	B	1309	GANG MISALIGNMENT ROD BLOCK	ON	
	B	0302	NO SRNM ROD BLOCK	ON	C
	B	0405	REACTOR MODE SWITCH IN RUN	ON	
	B	0303	NO APRM ROD BLOCK	ON	A
	B	0402	REACTOR MODE SWITCH IN SHUT DOWN	ON	B
	B	0301	LOW CRD CHARGING HDR PRESS TRIP NOT BYPASSED	ON	C
	B	0504	CRD CHARGING HDR PRESS IS LOW	ON	D
	B	0502	RFCS WITHDRAWAL BLOCK REQUEST	ON	
	B	0305	REACTOR POWER BELOW LPSP	ON	F
	B	0406	MRBM-A ROD BLOCK	ON	D
	B	0407	MRBM-B ROD BLOCK	ON	G
	B	0505	PERIOD BASED ROD WD PERMISSEIVE	ON	I
	B	1410	COUPLING CHECK ROD WITHDRAWAL PERMISSIVE	ON	
	B	0403	REACTOR MODE SWITCH IN REFUEL	ON	
	B	8301	RWM ROD WITHDRAWAL PERMISSIVE	ON	F
	B	8503	RWM-A TROUBLE	ON	
	B	2105	RWM-A BYPASSED	ON	H
	B	3201	RAPI-A TROUBLE	ON	
	B	6709	ATLM-A TROUBLE	ON	G
	B	3105	ATML-A ROD WD BLOCK SIGNAL TO RAPI-A	ON	
	B	2103	ATML-A BYPASSED	ON	
	B	0501	SCRRI CONDITION EXISTS	ON	
	B	0503	ARI CONDITION EXISTS	ON	
	B	0401	SCRAM FOLLOW CONDITION EXISTS	ON	

OUTPUT				
	CLASS	DESCRIPTION	SIGNAL ID	REF SH
	ANN	GANG MISALIGNMENT ROD WD BLOCK	1802	
A	D	ROD SEPARATION ROD WD BLOCK CONDITION IDENT	1803	PCF FD/C91
B	D	GANG MISALIGNMENT ROD WD BLOCK CONDITION IDENT	1804	PCF FD/C91
C	D	SRNM ROD WD BLOCK CONDITION IDENT	1805	PCF FD/C91
D	D	MRBM ROD WD BLOCK CONTDITION IDENT	1806	PCF FD/C91
F	D	RWM ROD WD BLOCK CONDITION IDENT	1808	PCF FD/C91
	B	ROD WITHDRAWAL PERMISSIVE NO.1	1801	19
G	D	ATLM-A TROUBLE/ROD WD BLOCK CONDITION IDENT	1809	PCF FD/C91
H	D	RAPI-A TROUBLE ROD WD BLOCK CONDITION IDENT	1810	PCF FD/C91
I	D	PERIOD BASED ROD WD BLOCK CONDITION IDENT	1811	PCF FD/C91

ROD WITHDRAWAL PERMISSIVE LOGIC 1/2

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 18 of 87)

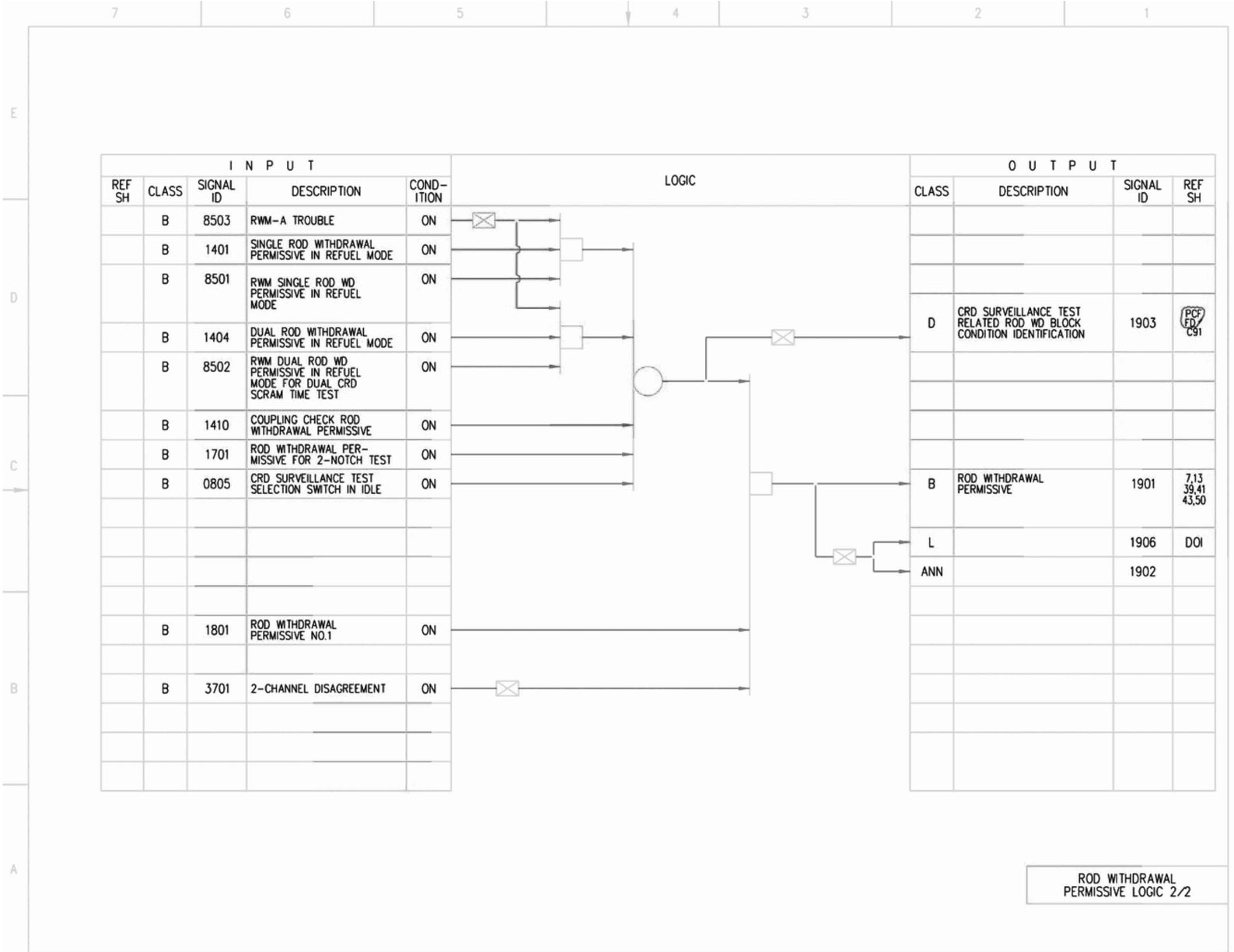


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 19 of 87)

INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
	B	3201	RAPI-A TROUBLE	ON		L		2007	DOI
						ANN		2008	
	B	0305	REACTOR POWER IS BELOW LPSP	ON		B	ROD INSERT PERMISSIVE	2001	7
	B	8401	RWM ROD INSERT PERMISSIVE	ON					
	B	2105	RWM-A BYPASSED	ON		D	RAPI-A TROUBLE INSERT BLOCK CONDITION IDENTIFICATION	2003	PCF FD C91
	B	8503	RWM-A TROUBLE	ON		D	RWM-A TROUBLE INSERT BLOCK CONDITION IDENTIFICATION	2004	PCF FD C91
	B	2103	ATLM-A BYPASSED	ON		D	ATLM-A TROBLE INSERT BLOCK CONDITION IDENTIFICATION	2005	PCF FD C91
	B	6709	ATLM-A TROUBLE	ON					
	B	6703	ATLM-A ROD BLOCK SIGNAL TO RAPI-A	ON					
	B	3701	2-CHANNEL DISAGREEMENT	ON					

ROD INSERT PERMISSIVE LOGIC

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 20 of 87)

INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
						B		2113	DOI
DOI	B		(RAPI) BYPASS SWITCH PLACED IN "NONE"			D		2114	(PCF) FD/C91
DOI	B		(RAPI)-A BYPASS SWITCH (ACTIVATED)	ON		B	SWITCH TO MANUAL	2107	31
		2102	(RAPI)-B BYPASSED	ON		B	(RAPI)-A BYPASSED	2101	21,33 37A
	B	3206(B)	RAPI-A AUTO BYPASSED WITH CHANNEL B	ON		B		2115	DOI
		2101	(RAPI)-A BYPASSED	ON		D		2116	(PCF) FD/C91
DOI	B		(RAPI)-B BYPASS SWITCH (ACTIVATED)	ON		B	SWITCH TO MANUAL *	2108	
						B	(RAPI)-B BYPASSED	2102	21,33 37A
	B	3206(A)	RAPI-B AUTO BYPASSED WITH CHANNEL A	ON		B		2117	DOI
		2103	ATLM-A BYPASSED	ON		D		2118	(PCF) FD/C91
						B	SWITCH TO MANUAL	2109	31
DOI	B		ATLM-A BYPASS SWITCH (ACTIVATED)	ON		B	ATLM-A BYPASSED	2103	18,20 66(B)
		2104	ATLM-B BYPASSED	ON		B		2119	DOI
						D		2120	(PCF) FD/C91
DOI	B		ATLM BYPASS SWITCH PLACED IN "NONE"	ON		B	SWITCH TO MANUAL *	2110	
						B	ATLM-B BYPASSED	2104	21,66
DOI	B		ATLM-B BYPASS SWITCH (ACTIVATED)	ON		B		2121	DOI
		2105	RWM-A BYPASSED	ON		D		2122	(PCF) FD/C91
						B	SWITCH TO MANUAL	2111	31
DOI	B		RWM-A BYPASS SWITCH (ACTIVATED)	ON		B	RWM-A BYPASSED	2105	18,20
		2106	RWM-B BYPASSED	ON		B		2123	DOI
						D		2124	(PCF) FD/C91
DOI	B		RWM-B BYPASS SWITCH (ACTIVATED)	ON		B	SWITCH TO MANUAL *	2112	
DOI	B		RWM BYPASS SWITCH PLACED IN "NONE"	ON		B	RWM-B BYPASSED	2106	21

* THESE SIGNALS GENERATE CHANNEL-B SWITCH TO MANUAL CONDITION IN CHANNEL-B. THE INPUT SIGNALS AND RELATED LOGIC THAT GENERATE THESE SIGNALS ARE PART OF CHANNEL B.

(RAPI) ATLM & RWM SINGLE CHANNEL BYPASS LOGIC FOR A & B CHANNELS

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 21 of 87)

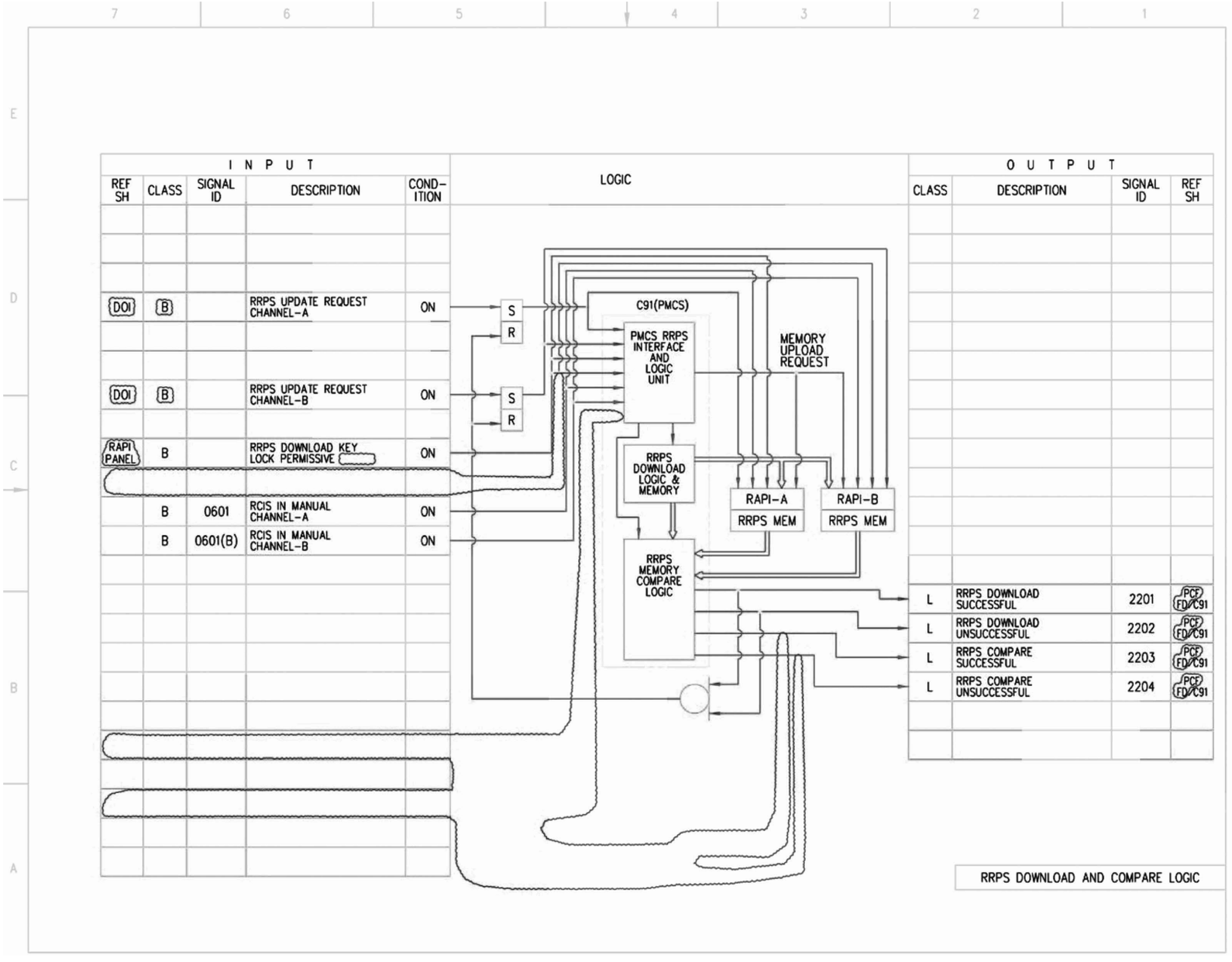


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 22 of 87)

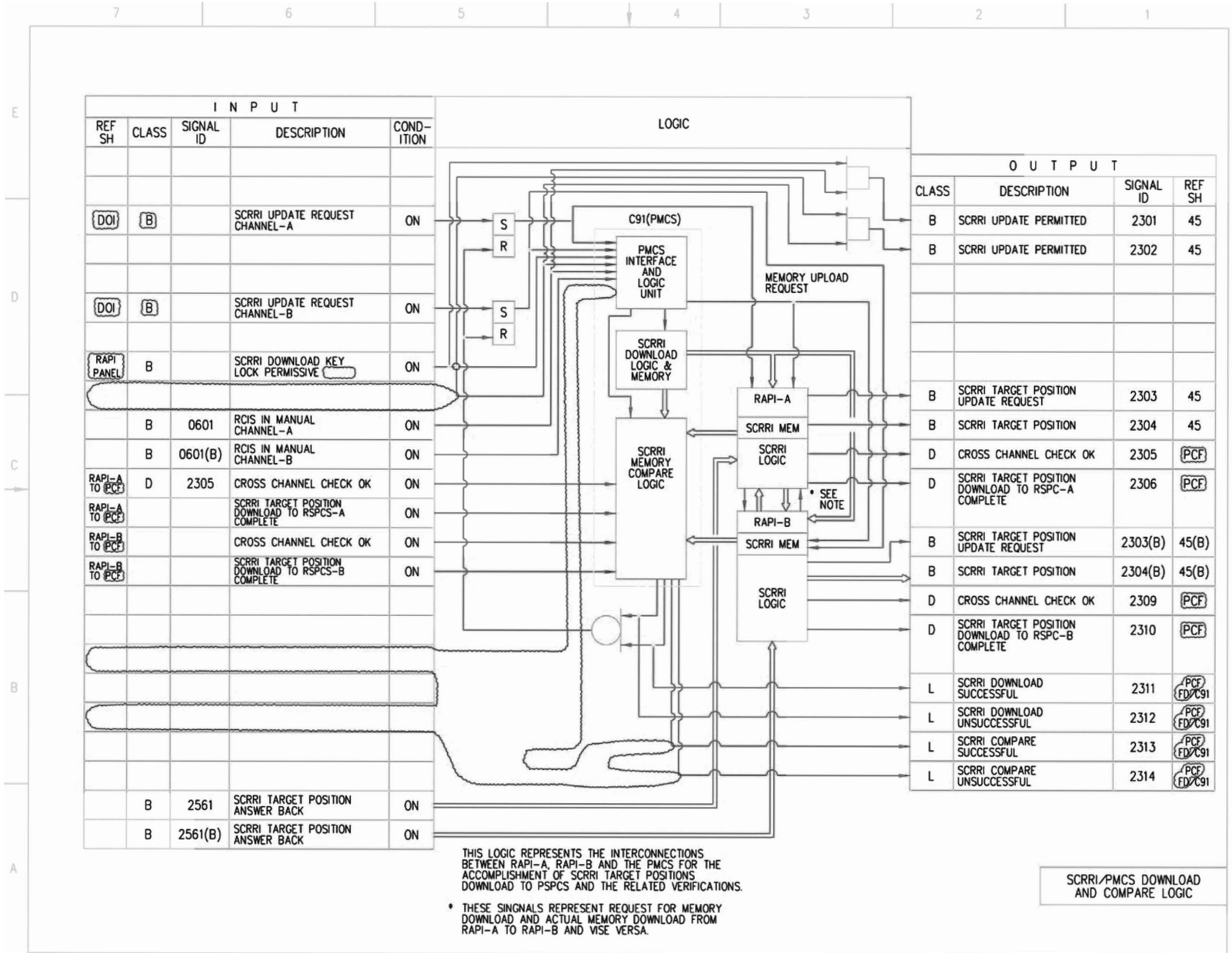


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 23 of 87)

INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
					TYP OF 205	D		2423	PCF FD C91
	B	3802	SYNCHRO-A FAILURE	ON		B	ALL RODS POSITIONS	2401	10,63 64,71
	B	3803	ROD FULL-IN	ON		B	AGGREGATE PERCENT WITHDRAWAL	2402	DOI
	B	3804	ROD POSITION	ON	RAPI-A AND RSPC-A INTERFACE AND LOGIC UNIT	B	SELECTED ROD POSITION	2403	11 DOI
	B	3805	ROD FULL-OUT (SYNCHRO FULL-OUT)	ON		B	SELECTED GANG POSITIONS	2404	11,12,13 DOI
	B	3806	SYNCHRO ERROR	ON		B	SELECTED GANG SETTLING	2409	11
	B	3807	SELECT ACK.	ON		B	ALL RODS FULL-IN	2406	14
	B	3808	ROD SELECTED	ON		B	SELECTED GANG SETTLING	2410	11,12,13
	B	3809	ROD AT 3728mm	ON		B	SELECTED ROD(S) FULL-OUT	2407	14
	B	4804	LATCH FULL-IN	ON					
	B	4805	COUPLING CHECK (OVER-TRAVEL SW ACTIVATED)	ON		D	SYNCHRO FAILURE	2414	PCF FD C91
	B	4806	BUFFER CONTACT	ON		D	SYNCHRO ERROR	2462	PCF FD C91
	B	4807	ROD SCRAM TIME DATA	ON		B	SELECT ACK.	2415	9,10
	B	4901	DRIFT DETECTION	ON	TYP OF 205	B		2456	DOI
	B	4903	ROD MOVEMENT FAILURE	ON		B	ROD SELECTED	2416	18,71
						D		2457	PCF FD C91
						D	ROD LATCHED FULL-IN	2417	PCF FD C91
	B	5101	RSPC-A SELF TEST FAILURE	ON		B	NUMBER OF RODS LATCHED FULL-IN	2418	DOI
	B	5103	ABNORMAL BRAKE ENERGIZATION	ON	TYP OF 205	D	ROD FULL-IN	2419	PCF FD C91
	B	5104	BRAKE DISENGAGEMENT FAILURE	ON		B	NUMBER OF RODS FULL-IN	2420	DOI
					TYP OF 205	D	ROD FULL-OUT	2421	PCF FD C91
						B	NUMBER OF RODS FULL-OUT	2422	DOI
					TYP OF 205	D	SELECTED ROD AT 3728mm	2424	PCF FD C91
						B		2459	14,15
						D	ROD OVERTRAVEL SWITCH ACTIVATED	2425	PCF FD C91
						B		2460	15

RAPI-A AND RSPC-A INTERFACE & LOGIC UNIT

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 24 of 87)

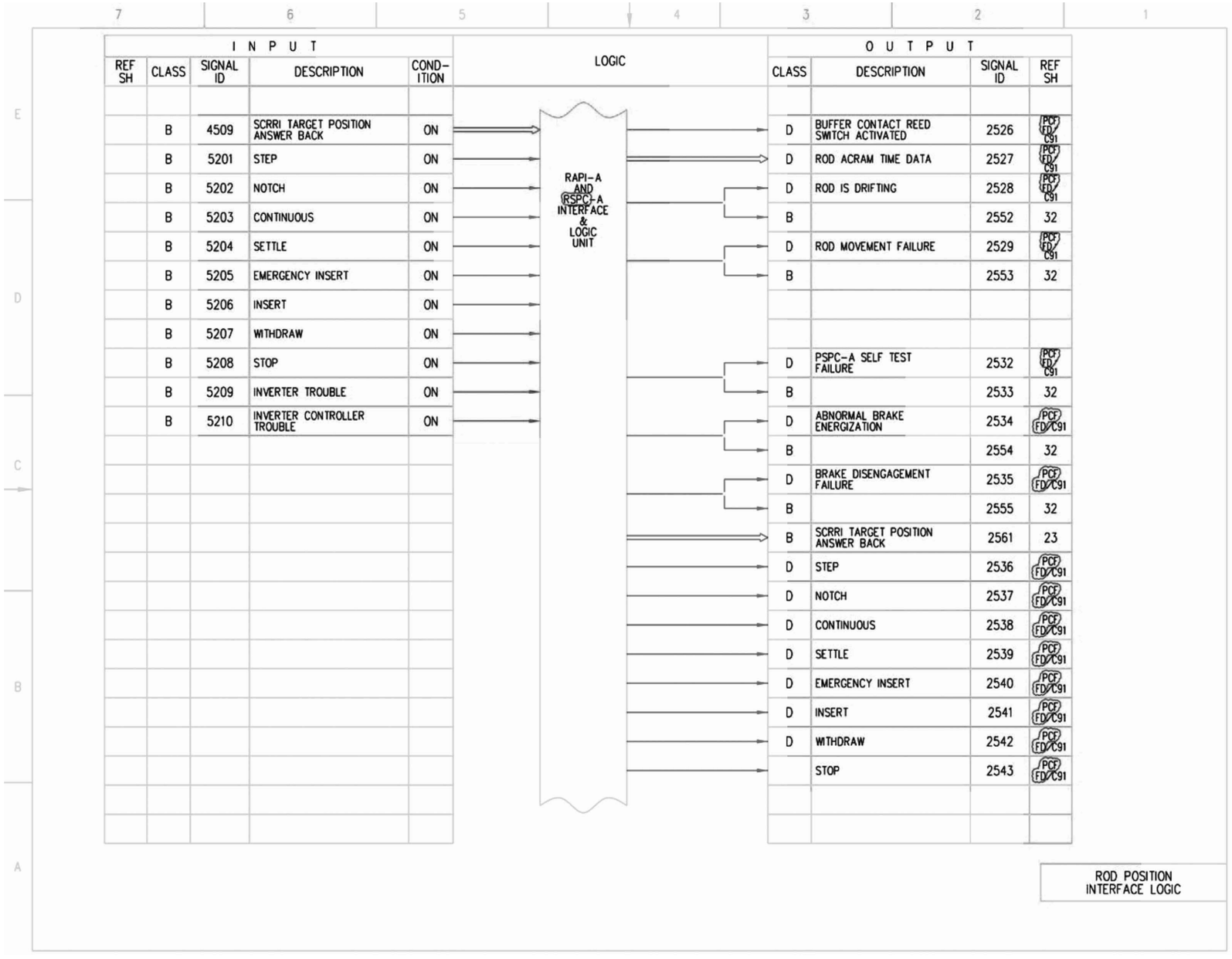


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 25 of 87)

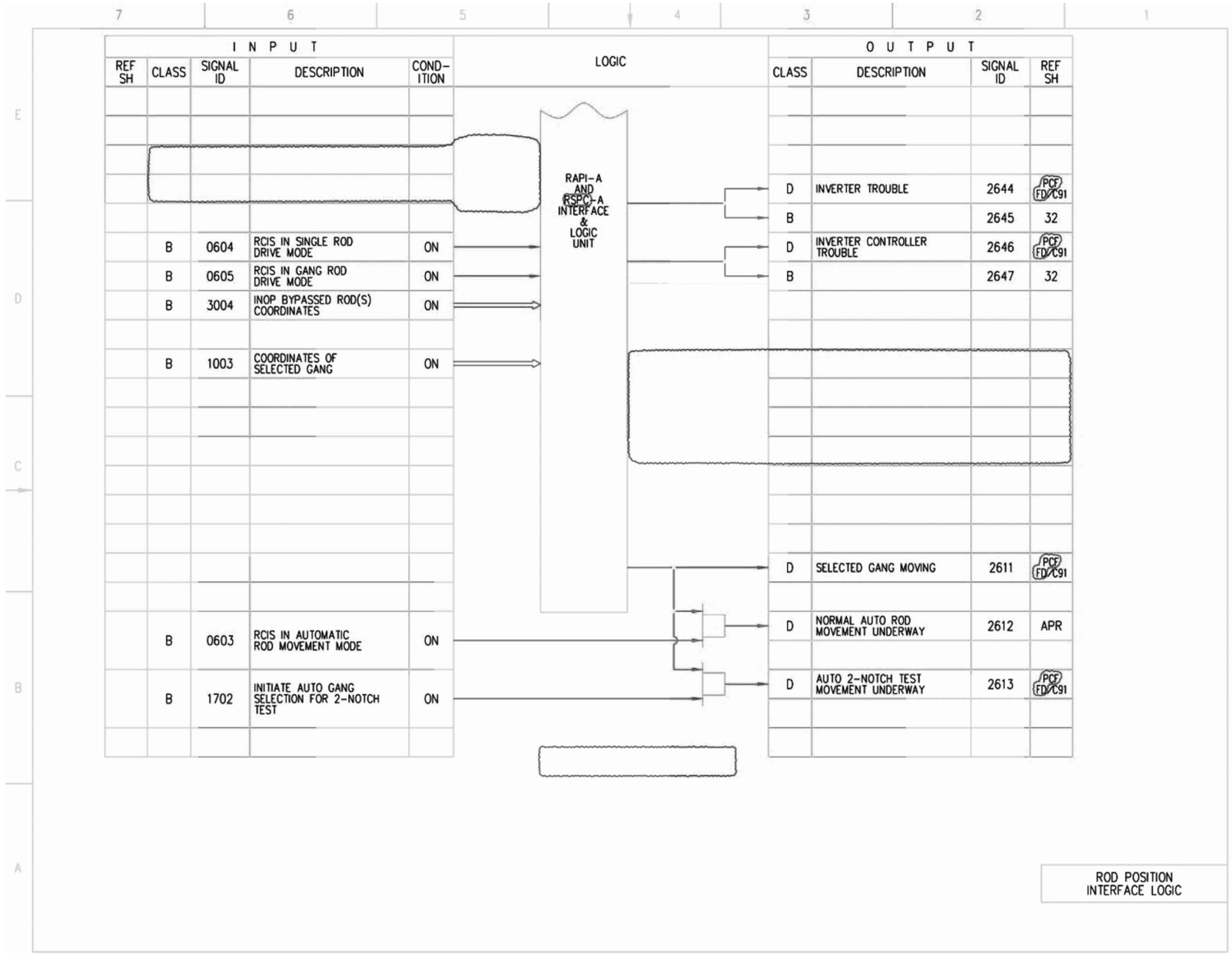


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 26 of 87)

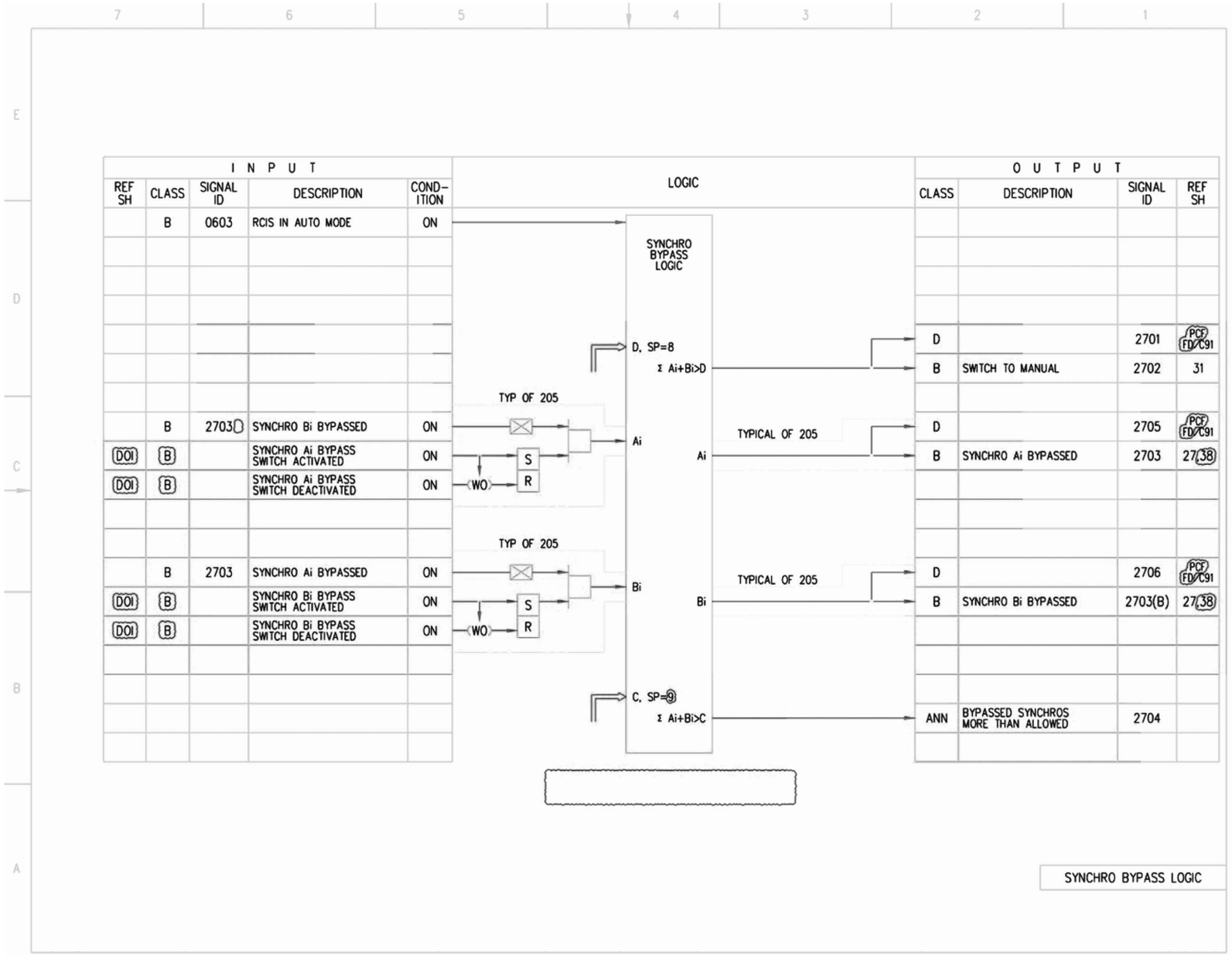


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 27 of 87)

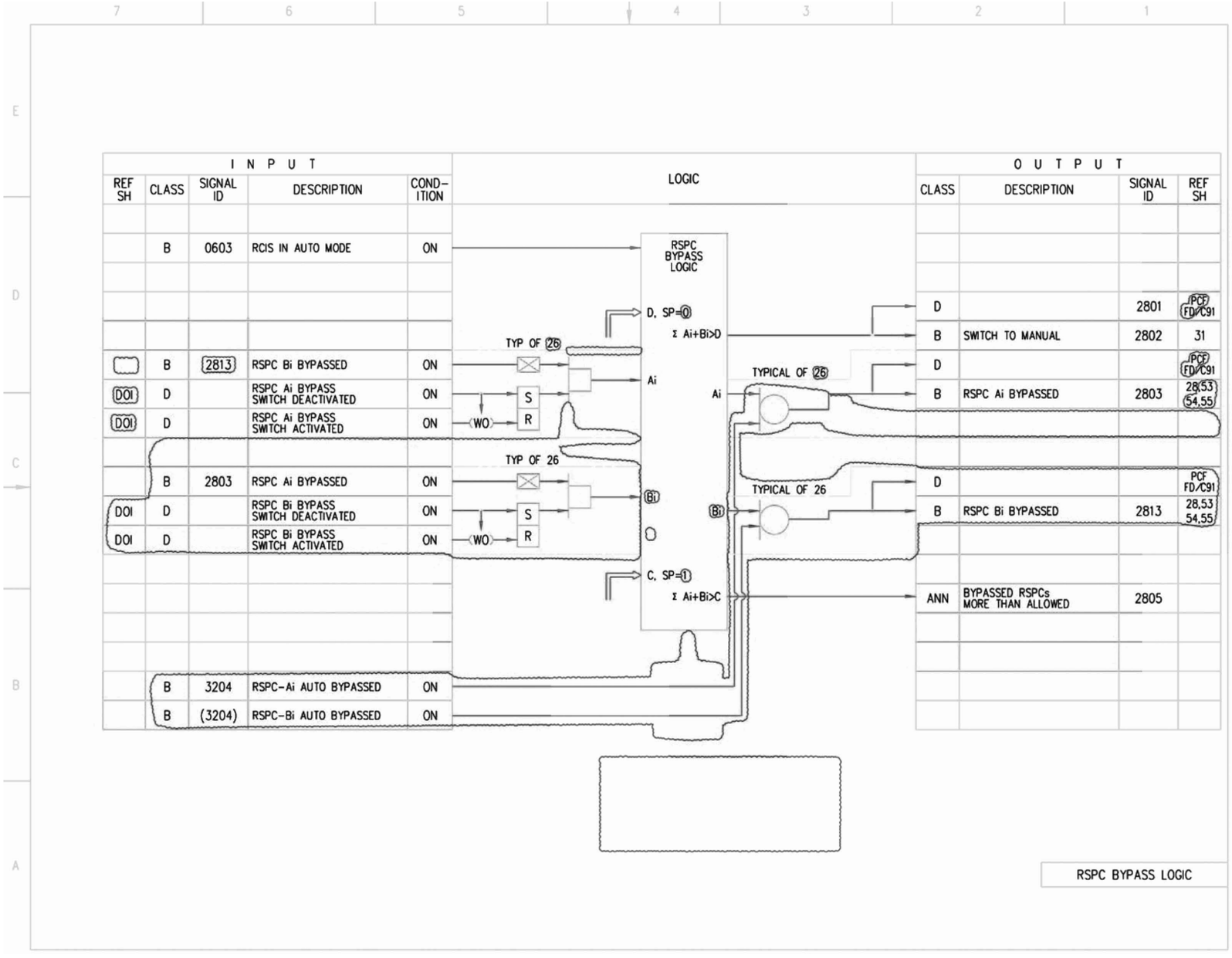


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 28 of 87)

Figure 7.7-3 – ~~Rod Control and Information System IBD (Sheet 20 of 87)~~Not Used

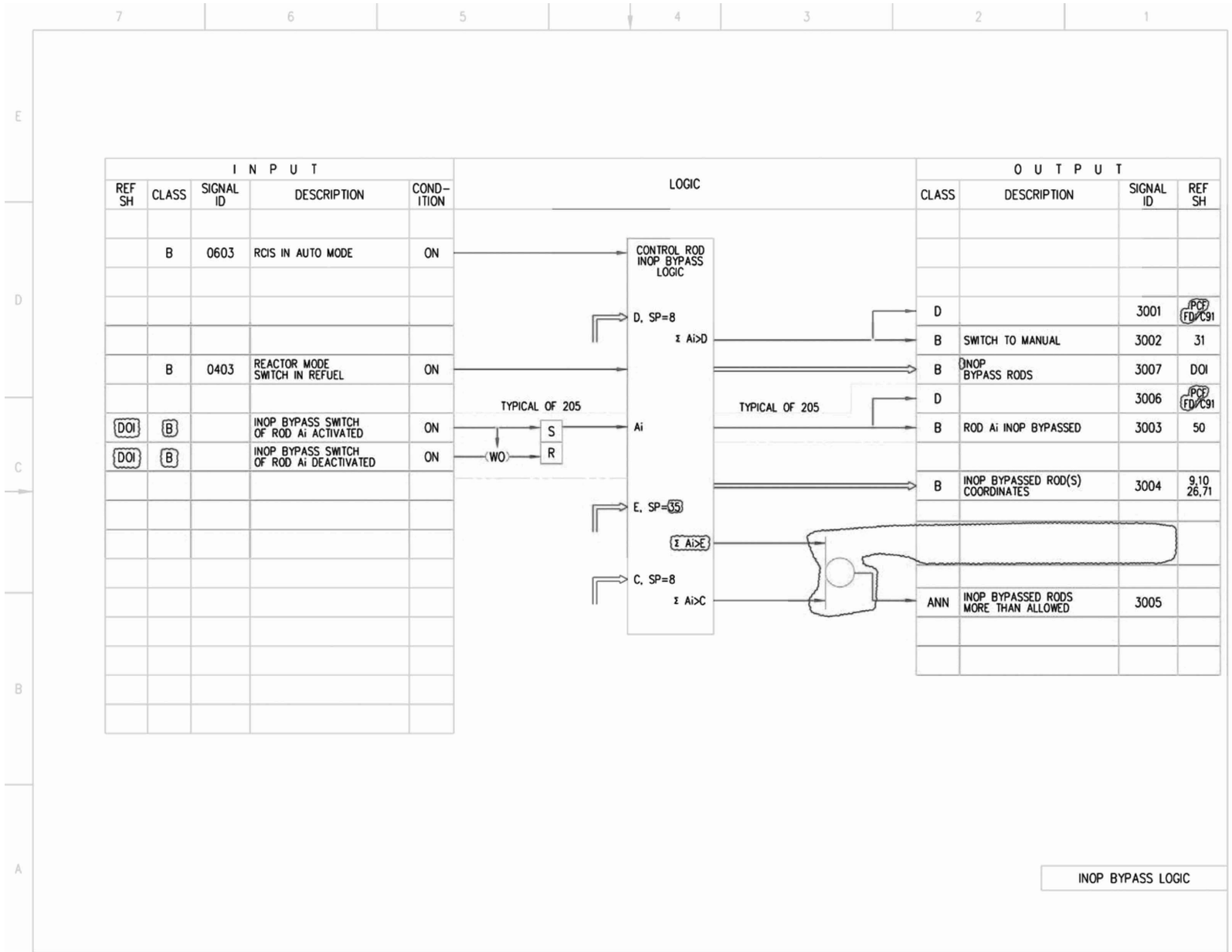


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 30 of 87)

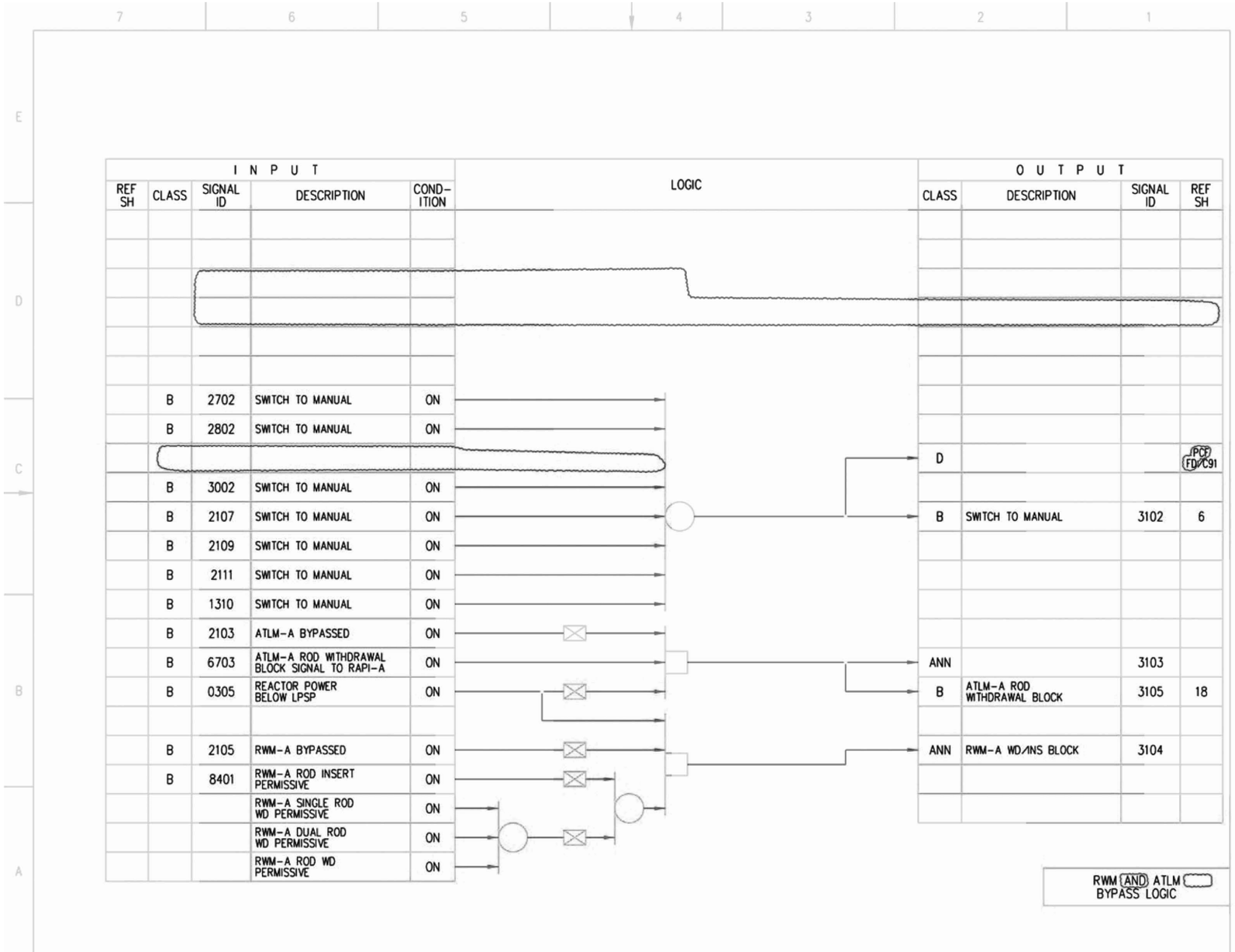


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 31 of 87)

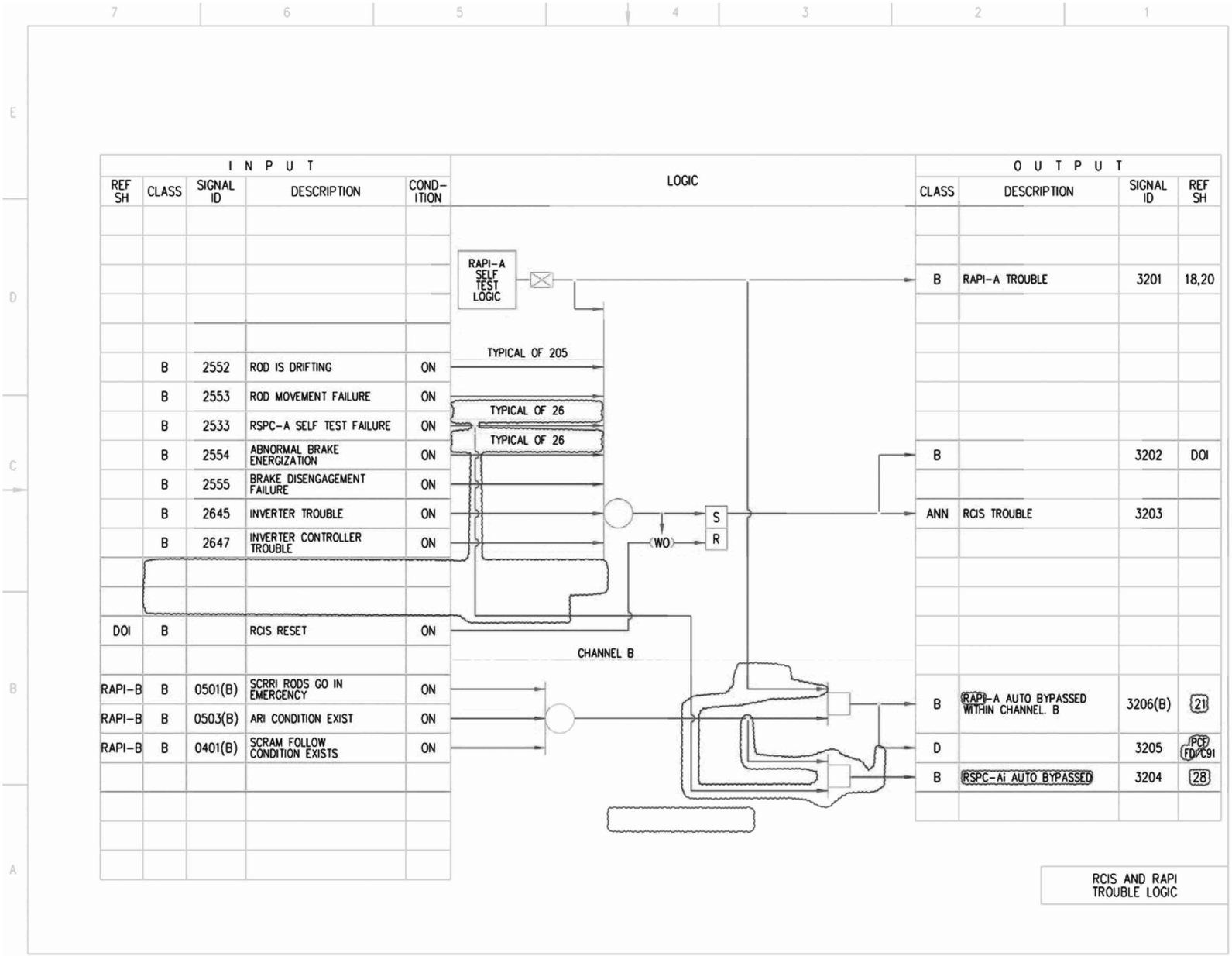


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 32 of 87)

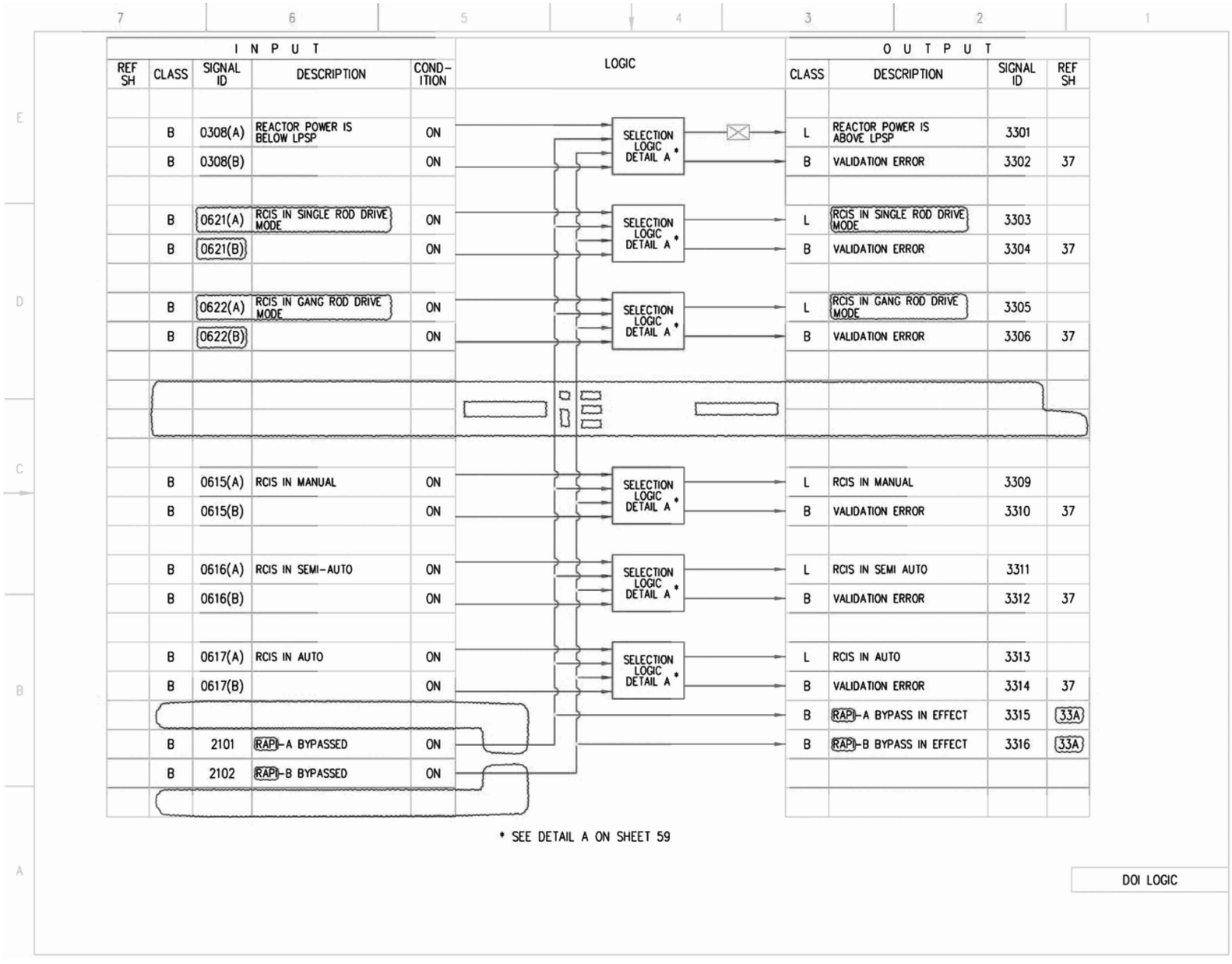


Figure 7.7-3 – Rod Control and Information System IBD (Sheet 33 of 87)

INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	CONDITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
	B	0720(A)	RCIS IN STEP DRIVE MODE	ON	SELECTION LOGIC DETAIL A *	L	RCIS IN STEP DRIVE MODE	33A01	
	B	0720(B)		ON		B	VALIDATION ERROR	33A02	37
	B	0721(A)	RCIS IN NOTCH DRIVE MODE	ON	SELECTION LOGIC DETAIL A *	L	RCIS IN NOTCH DRIVE MODE	33A03	
	B	0721(B)		ON		B	VALIDATION ERROR	33A04	37
	B	0722(A)	RCIS IN CONTINUOUS DRIVE MODE	ON	SELECTION LOGIC DETAIL A *	L	RCIS IN CONTINUOUS DRIVE MODE	33A05	
	B	0722(B)		ON		B	VALIDATION ERROR	33A06	37
	B	1501(A)	SELECTED SINGLE ROD COUPLING IS OK	ON	SELECTION LOGIC DETAIL A *	L	SELECTED SINGLE ROD COUPLING IS OK	33A07	
	B	1501(B)		ON		B	VALIDATION ERROR	33A08	37
	B	1502(A)	SELECTED SINGLE ROD IS UNCOUPLED	ON	SELECTION LOGIC DETAIL A *	L	SELECTED SINGLE ROD IS UNCOUPLED	33A09	
	B	1502(B)		ON		B	VALIDATION ERROR	33A10	37
	B	1503(A)	SELECTED DUAL RODS COUPLING IS OK	ON	SELECTION LOGIC DETAIL A *	L	SELECTED DUAL RODS COUPLING IS OK	33A11	
	B	1503(B)		ON		B	VALIDATION ERROR	33A12	37
	B	1504(A)	ONE OF THE SELECTED DUAL RODS IS UNCOUPLED	ON	SELECTION LOGIC DETAIL A *	L	ONE OF THE SELECTED DUAL RODS IS UNCOUPLED	33A13	
	B	1504(B)		ON		B	VALIDATION ERROR	33A14	37
						B	RAPI-A BYPASS IN EFFECT	33A15	34,35,36
	B	3315	RAPI-A BYPASS IN EFFECT	ON		B	RAPI-B BYPASS IN EFFECT	33A16	34,35,36
	B	3316	RAPI-B BYPASS IN EFFECT	ON					

* SEE DETAIL A ON SHEET 59

DOI LOGIC

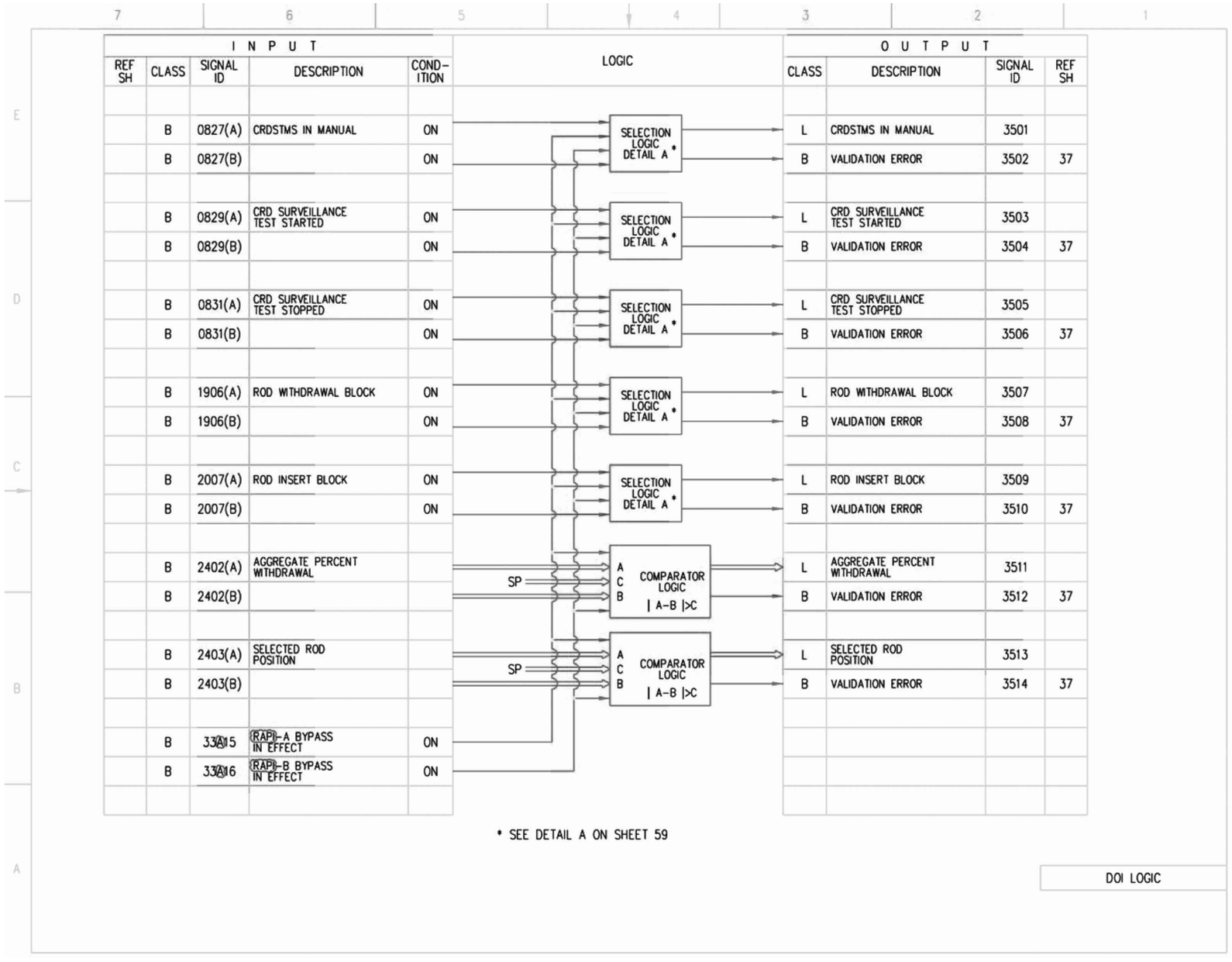
Figure 7.7-3 – Rod Control and Information System IBD (Sheet 33a of 87)

INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
	B	0812(A)	CRDSTSS IN 1CRD/2CRD	ON	SELECTION LOGIC DETAIL A *	L	CRDSTSS IN 1CRD/2CRD	3401	
	B	0812(B)		ON		B	VALIDATION ERROR	3402	37
	B	0814(A)	CRDSTSS IN COUPLING TEST	ON	SELECTION LOGIC DETAIL A *	L	CRDSTSS IN COUPLING CHECK	3403	
	B	0814(B)		ON		B	VALIDATION ERROR	3404	37
	B	0818(A)	CRDSTSS IN 2-NOTCH TEST	ON	SELECTION LOGIC DETAIL A *	L	CRDSTSS IN STEP TEST	3407	
	B	0818(B)		ON		B	VALIDATION ERROR	3408	37
	B	0820(A)	CRDSTSS IN IDLE	ON	SELECTION LOGIC DETAIL A *	L	CRDSTSS IN IDLE	3409	
	B	0820(B)		ON		B	VALIDATION ERROR	3410	37
	B	0824(A)	CRDSTMS IN AUTO	ON	SELECTION LOGIC DETAIL A *	L	CRDSTMS IN AUTO	3411	
	B	0824(B)		ON		B	VALIDATION ERROR	3412	37
	B	0826(A)	CRDSTMS IN IDLE	ON	SELECTION LOGIC DETAIL A *	L	CRDSTMS IN IDLE	3413	
	B	0826(B)		ON		B	VALIDATION ERROR	3414	37
	B	3316	RAPI-A BYPASS IN EFFECT	ON					
	B	3316	RAPI-B BYPASS IN EFFECT	ON					

* SEE DETAIL A ON SHEET 59

DOI LOGIC

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 34 of 87)



INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	CONDITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
	B	0827(A)	CRDSTMS IN MANUAL	ON	SELECTION LOGIC DETAIL A *	L	CRDSTMS IN MANUAL	3501	
	B	0827(B)		ON		B	VALIDATION ERROR	3502	37
	B	0829(A)	CRD SURVEILLANCE TEST STARTED	ON	SELECTION LOGIC DETAIL A *	L	CRD SURVEILLANCE TEST STARTED	3503	
	B	0829(B)		ON		B	VALIDATION ERROR	3504	37
	B	0831(A)	CRD SURVEILLANCE TEST STOPPED	ON	SELECTION LOGIC DETAIL A *	L	CRD SURVEILLANCE TEST STOPPED	3505	
	B	0831(B)		ON		B	VALIDATION ERROR	3506	37
	B	1906(A)	ROD WITHDRAWAL BLOCK	ON	SELECTION LOGIC DETAIL A *	L	ROD WITHDRAWAL BLOCK	3507	
	B	1906(B)		ON		B	VALIDATION ERROR	3508	37
	B	2007(A)	ROD INSERT BLOCK	ON	SELECTION LOGIC DETAIL A *	L	ROD INSERT BLOCK	3509	
	B	2007(B)		ON		B	VALIDATION ERROR	3510	37
	B	2402(A)	AGGREGATE PERCENT WITHDRAWAL		SP → A C B COMPARATOR LOGIC | A-B |>C	L	AGGREGATE PERCENT WITHDRAWAL	3511	
	B	2402(B)				B	VALIDATION ERROR	3512	37
	B	2403(A)	SELECTED ROD POSITION		SP → A C B COMPARATOR LOGIC | A-B |>C	L	SELECTED ROD POSITION	3513	
	B	2403(B)				B	VALIDATION ERROR	3514	37
	B	33A15	RAPI-A BYPASS IN EFFECT	ON					
	B	33A16	RAPI-B BYPASS IN EFFECT	ON					

* SEE DETAIL A ON SHEET 59

DOI LOGIC

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 35 of 87)

INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
	B	2404(A)	SELECTED GANG POSITION		A COMPARATOR LOGIC C B | A-B |>C	L	SELECTED GANG POSITION	3601	
	B	2404(B)				B	VALIDATION ERROR	3602	37
	B	2456(A)	ROD SELECTED	ON	A COMPARATOR LOGIC B | A-B |>Ø	L	SELECTED ROD	3603	
	B	2456(B)		ON		B	VALIDATION ERROR	3604	37
	B	2418(A)	NUMBER OF RODS LATCHED FULL-IN	ON	A COMPARATOR LOGIC B | A-B |>Ø	L	NUMBER OF RODS LATCHED FULL-IN	3605	
	B	2418(B)		ON		B	VALIDATION ERROR	3606	37
	B	2420(A)	NUMBER OF RODS FULL-IN	ON	A COMPARATOR LOGIC B | A-B |>Ø	L	NUMBER OF RODS FULL-IN	3607	
	B	2420(B)		ON		B	VALIDATION ERROR	3608	37
	B	2422(A)	NUMBER OF RODS FULL-OUT	ON	A COMPARATOR LOGIC B | A-B |>Ø	L	NUMBER OF RODS FULL-OUT	3609	
	B	2422(B)		ON		B	VALIDATION ERROR	3610	37
	B	3007(A)	NUMBER OF INOP BYPASSED RODS	ON	A COMPARATOR LOGIC B | A-B |>Ø	L	NUMBER OF INOP BYPASSED RODS	3611	
	B	3007(B)		ON		B	VALIDATION ERROR	3612	37
	B	3202(A)	RCIS TROUBLE	ON	SELECITION LOGIC DETAIL A *	L	RCIS TROUBLE	3613	
	B	3202(B)		ON		B	VALIDATION ERROR	3614	37
	B	33A15	(RAPI)-A BYPASS IN EFFECT	ON					
	B	33A16	(RAPI)-B BYPASS IN EFFECT	ON					

SP

* SEE DETAIL A ON SHEET 59

DOI LOGIC

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 36 of 87)

INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
	B	3302	VALIDATION ERROR	ON					
	B	3304	VALIDATION ERROR	ON					
	B	3306	VALIDATION ERROR	ON					
	B	3310	VALIDATION ERROR	ON					
	B	3312	VALIDATION ERROR	ON					
	B	3314	VALIDATION ERROR	ON					
	B	33A02	VALIDATION ERROR	ON					
	B	33A04	VALIDATION ERROR	ON					
	B	33A06	VALIDATION ERROR	ON					
	B	33A08	VALIDATION ERROR	ON					
	B	33A10	VALIDATION ERROR	ON					
	B	33A12	VALIDATION ERROR	ON					
	B	33A14	VALIDATION ERROR	ON					
	B	3402	VALIDATION ERROR	ON					
	B	3404	VALIDATION ERROR	ON					
	B	3408	VALIDATION ERROR	ON					
	B	3410	VALIDATION ERROR	ON	DOI SELF TEST NOT FAILED	ANN	DOI SELF TEST FAILURE	3702	
	B	3412	VALIDATION ERROR	ON					
	B	3414	VALIDATION ERROR	ON	TPU	B	2-CHANNEL DISAGREEMENT	3701	19,20
	B	3502	VALIDATION ERROR	ON	t	B		3703	PCF FD/C91
	B	3504	VALIDATION ERROR	ON		ANN		3704	
	B	3506	VALIDATION ERROR	ON					
	B	3508	VALIDATION ERROR	ON					
	B	3510	VALIDATION ERROR	ON					
	B	3512	VALIDATION ERROR	ON					
	B	3514	VALIDATION ERROR	ON					
	B	3602	VALIDATION ERROR	ON					
	B	3604	VALIDATION ERROR	ON					
	B	3606	VALIDATION ERROR	ON					
	B	3608	VALIDATION ERROR	ON					
	B	3610	VALIDATION ERROR	ON					
	B	3612	VALIDATION ERROR	ON					
	B	3614	VALIDATION ERROR	ON					

2-CHANNEL DISAGREEMENT LOGIC
(PART OF DOI)

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 37 of 87)

INPUT					LOGIC	OUTPUT			
REF SH	CLASS	SIGNAL ID	DESCRIPTION	COND-ITION		CLASS	DESCRIPTION	SIGNAL ID	REF SH
			INPUT SIGNAL FROM RAPI-A	ON	TYPICAL OF 26	B	VALIDATED SIGNAL *		
			INPUT SIGNAL FROM RAPI-B	ON					
	B	2101	RAPI-A BYPASSED	ON					
	B	2102	RAPI-B BYPASSED	ON					

* EACH INPUT SIGNALS ARE VALIDATED BY THIS LOGIC.

VALIDATION SELECTION LOGIC (RSPC)

Figure 7.7-3 – Rod Control and Information System IBD (Sheet 37a of 87)