

EQUIPMENT LIST

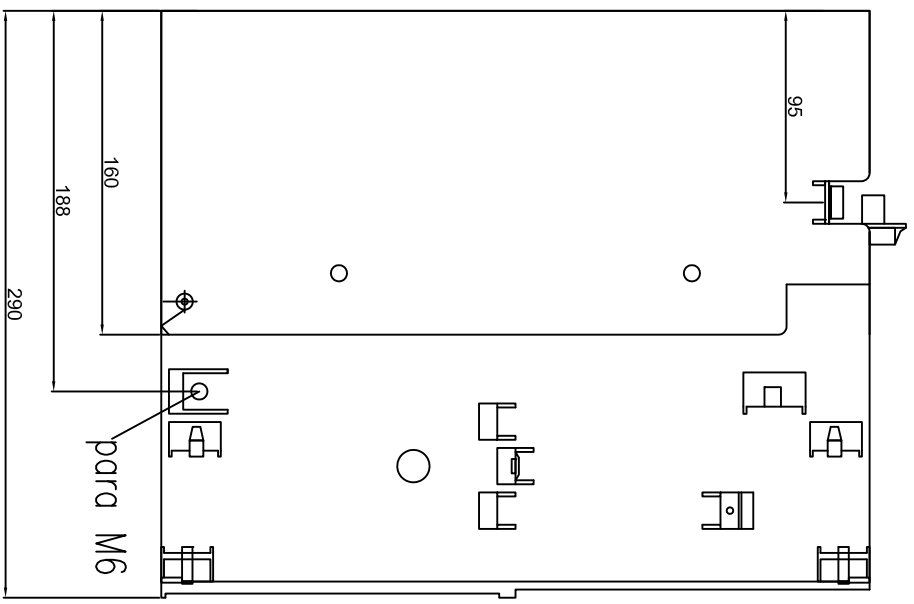
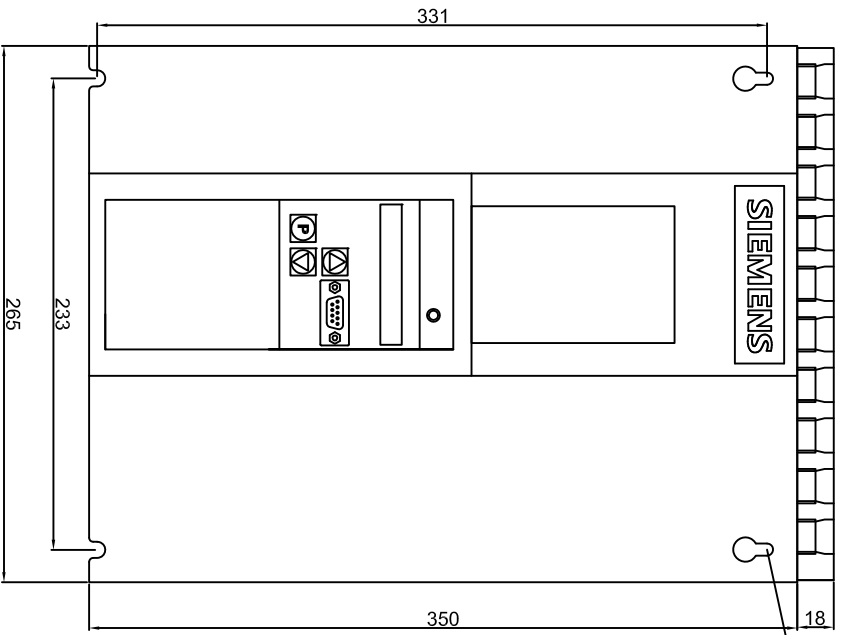
QTY.	DESCRIPTION	MANUFACTURER	PART NUMBER	ITEM
1	SIMOREG 6RA70 DC MASTER CONTROL MODULE	SIEMENS	6RA7000-0MW62-0	-CM101
1	CBP2 PROFIBUS COMM. BOARD	SIEMENS	6ES7 090-0XX84-0FF5	-COM203
1	PROFIBUS CONECTOR	SIEMENS	6ES7 972-0BB40-0XA0	-COM203
1	TERMINAL EXPANSION CUD2	SIEMENS	6RX1 7000AK00	-CM101-B
1	ADAPTER BOARD ADB	SIEMENS	6ES7 090-0XX84-0AK0	
1	BACK PLAIN BUS ADAPTER	SIEMENS	6ES7 090-0XX84-4HA0	
1	CB 2 POLES 2A.	SIEMENS	3RV1021-1BA10	-CB150



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CLIENT APPROVAL		APPROVAL DATE		YANTAI RAFFLES HULL 118 - TIDEWATER LARGE ANCHOR HANDLING VESSEL SCHEMATICS / WIRING DIAGRAMS PORT MAIN PROPULSION - SCR 1B EQUIPMENT LIST	
CHECKED BY	CHECKED DATE	CHECKED BY	CHECKED DATE		
DRAWN BY	DRAWN DATE	SCALE		SIZE	
MMB	09/08/01	SCALE		SIZE	
PORT_PROP_13	SCR_1B	NTS		B	
01094 - 01 - 13 - 0		DRAWING NO		TOTAL PAGES	
				79	
				REVISION	
				00	

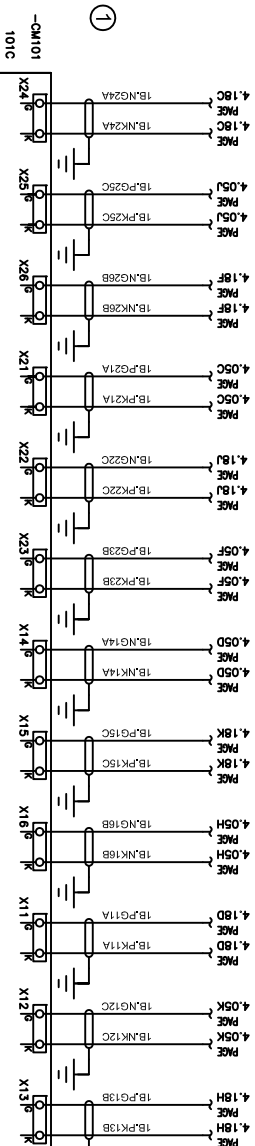


01	09/06/10	RINO UPGRADE 6RA70	A.G.H.	H.H.H.
00	10/28/02	ISSUED FOR COMMISSIONING	MMB	
21	REV.	DATE	DESCRIPTION	APP'D

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CHECKED BY	CHECKED DATE	HULL 118 - TIDEWATER LARGE ANCHOR HANDLING VESSEL	
DRAWN BY	DRAWN DATE	SCHEMATICS / WIRING DIAGRAMS	
REVISION	LOCATION	PORT MAIN PROPULSION - SCR 1B	
PORT_PROP_13	SCR_1B	SCALE	SIZE
		MTS	B
		01094 - 01 - 13 - 1	
		TOTAL PAGES	REVISION
		79	00



C98043-A7040 FIRING PULSE OUTPUTS



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CHECKED BY		CHECKED DATE	
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REVISION	PORT_PROP_13	DATE	SCR_1B
SCALE	NTS	SIZE	B
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TOTAL PAGES			
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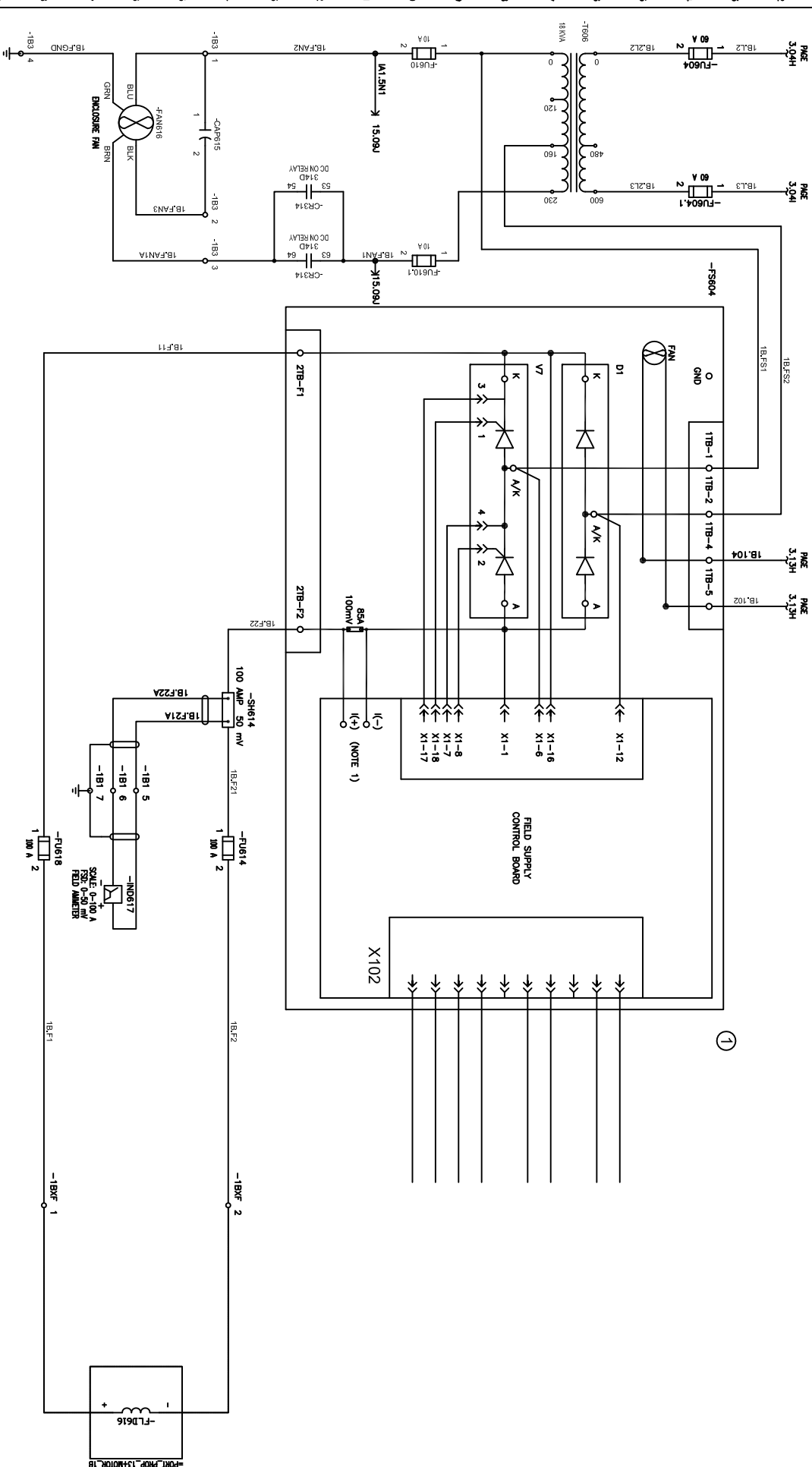
YANTAI RAFFLES
HULL 118 - IDEWATER LARGE ANCHOR HANDLING VESSEL
SCHEMATICS / WIRING DIAGRAMS
PORT MAIN PROPULSION - SCR 1B
GATE FIRING CIRCUIT

01	09/06/10	RMNO UPGRADE 6RA70	AGH	H.H.H.
00	10/28/02	ISSUED FOR COMMISSIONING	MMB	

REVISIONS

A B C D E F G H I J K L M N O P

NOTE 1: FOR 85 AMP FIELD SUPPLY, RESISTORS R27 THRU R36 AND JUMPER J1 SHOULD BE REMOVED FROM P.C. BOARD.



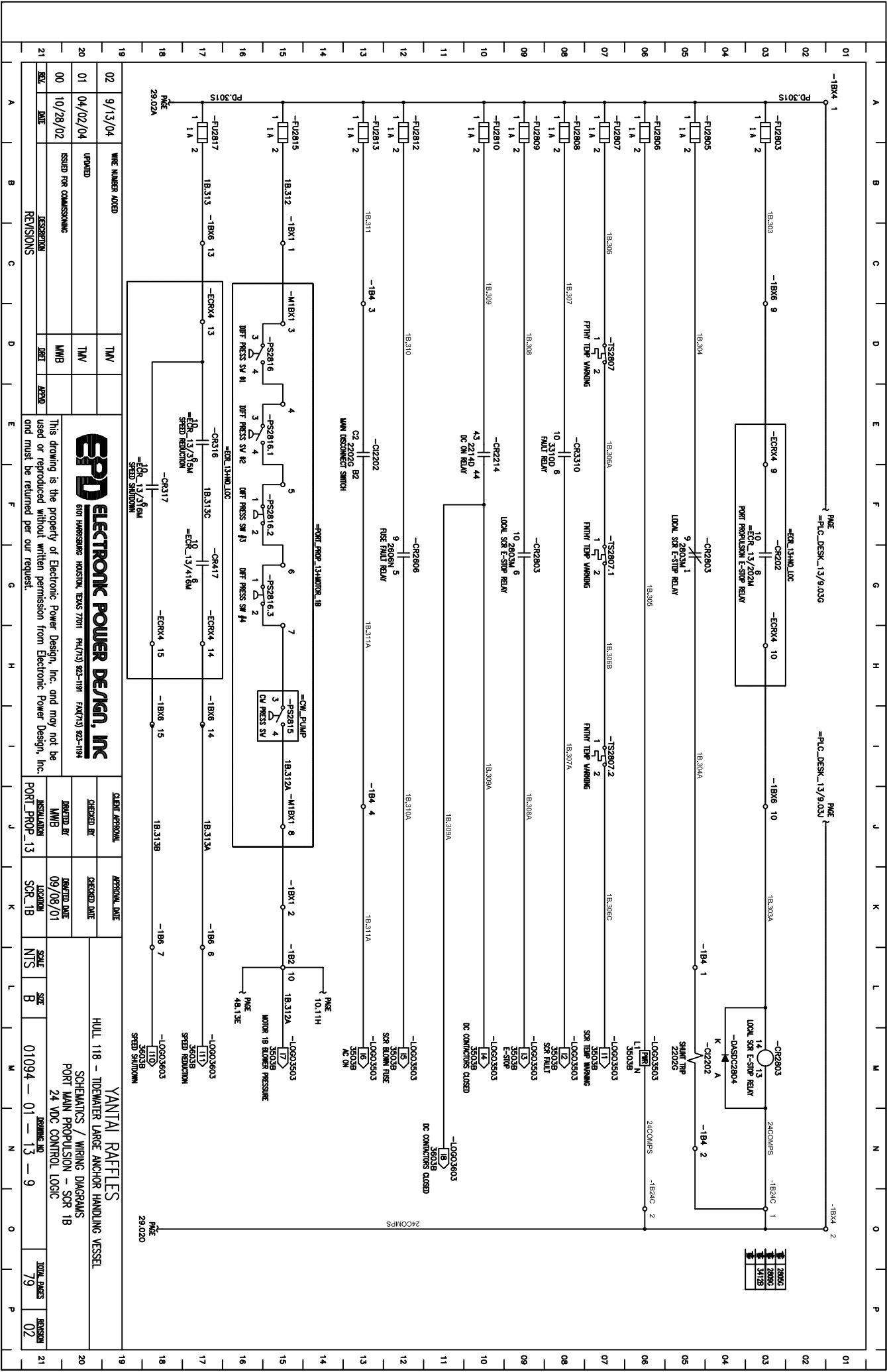
01	09/06/10	RNO UPGRADE 6RA70	AG.H.	HH.H.
01	03/25/04	UPPED	TMV	
00	10/28/02	ISSUED FOR COMMISSIONING	MMB	
21	REV.	DATE	DESIGNER	APP'D
REVISIONS				
A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
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MMB	09/08/01	MTS	B	01090 - 01 - 13 - 6	79

VANTAI RAFFLES
HULL 118 - IDEWATER LARGE ANCHOR HANDLING VESSEL
SCHEMATICS / WIRING DIAGRAMS
PORT MAIN PROPULSION - SCR 1B
DC MOTOR FIELD CONTROL

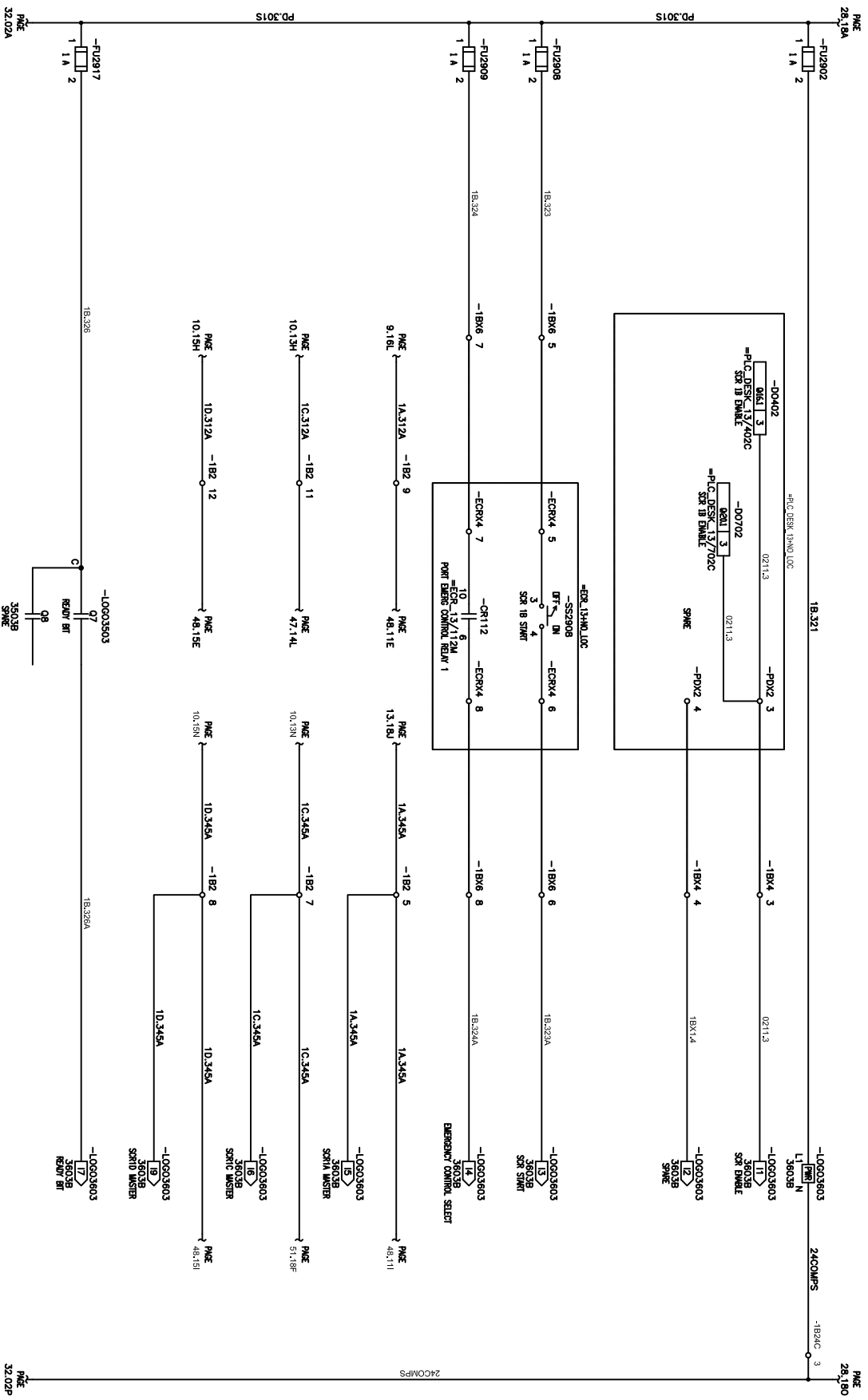


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CHECKED BY	CHECKED DATE	REVISION	DATE
DRIVEN BY	DRIVEN DATE		
MWB	09/08/01		
SCALE	SIZE	DATE	BY
NIS	B	01094-01-13-9	79
			02

VANTAI RAFFLES
HULL 118 - TIDEWATER LARGE ANCHOR HANDLING VESSEL
SCHEMATICS / WIRING DIAGRAMS
PORT MAIN PROPULSION - SCR 1B
24 VDC CONTROL LOGIC



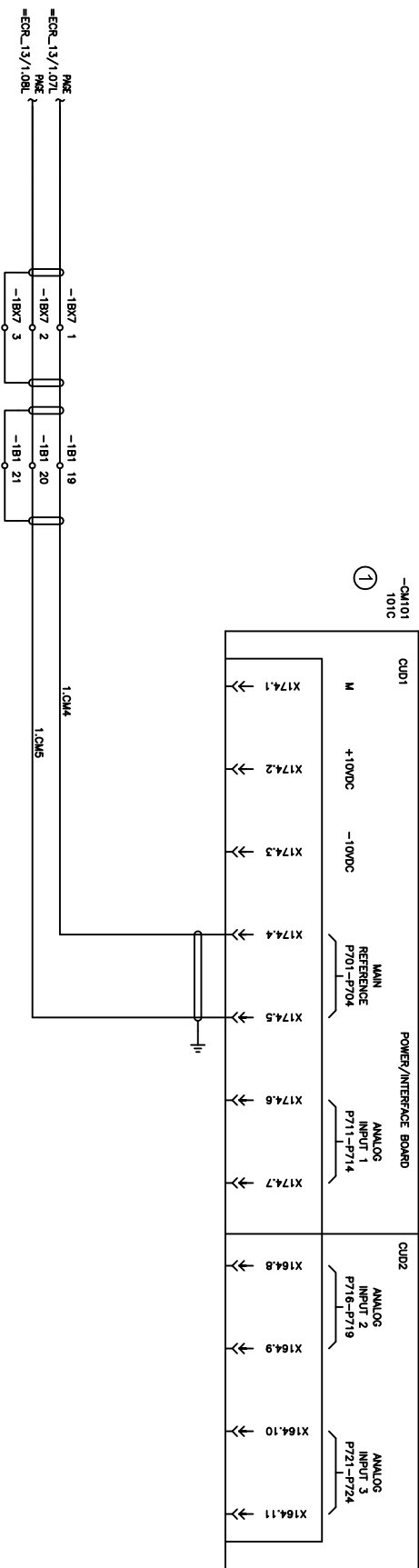
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ISSUED FOR COMMISSIONING	10/28/02	10/28/02	ISSUED FOR COMMISSIONING	10/28/02	10/28/02	10/28/02	10/28/02
REVISIONS	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE
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00	10/28/02	ISSUED FOR COMMISSIONING	10/28/02	ISSUED FOR COMMISSIONING	10/28/02	ISSUED FOR COMMISSIONING	10/28/02

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CHECKED BY	CHECKED DATE	DATE	BY	DATE	BY	DATE	BY
UPWARD	03/25/04	03/25/04	UPWARD	03/25/04	03/25/04	03/25/04	03/25/04
ISSUED FOR COMMISSIONING	10/28/02	10/28/02	ISSUED FOR COMMISSIONING	10/28/02	10/28/02	10/28/02	10/28/02
REVISIONS	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE
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00	10/28/02	ISSUED FOR COMMISSIONING	10/28/02	ISSUED FOR COMMISSIONING	10/28/02	ISSUED FOR COMMISSIONING	10/28/02

YANTAI RAFFLES
HULL 118 - IDEMATER LARGE ANCHOR HANDLING VESSEL
SCHEMATICS / WIRING DIAGRAMS
PORT MAIN PROPULSION - SCR 1B
24 VDC CONTROL LOGIC
DRAWING NO 01094 - 01 - 13 - 10
TOTAL PAGES 79
REVISION 00



CLIENT APPROVAL		APPROVAL DATE	
CHECKED BY		CHECKED DATE	
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REVISION		REVISION	
PORT_PROP_13		SCR_1B	

HULL 118 - TIDEWATER LARGE ANCHOR HANDLING VESSEL	
SCHEMATICS / WIRING DIAGRAMS	
PORT MAIN PROPULSION - SCR 1B	
ANALOG INPUTS	

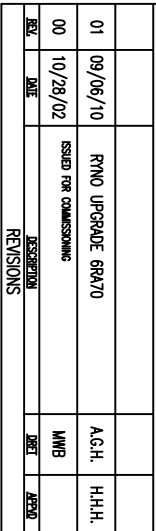
SCALE	SIZE	DRAWING NO.	TOTAL PAGES	REVISION
MTS	B	01094 - 01 - 13 - 11	79	00

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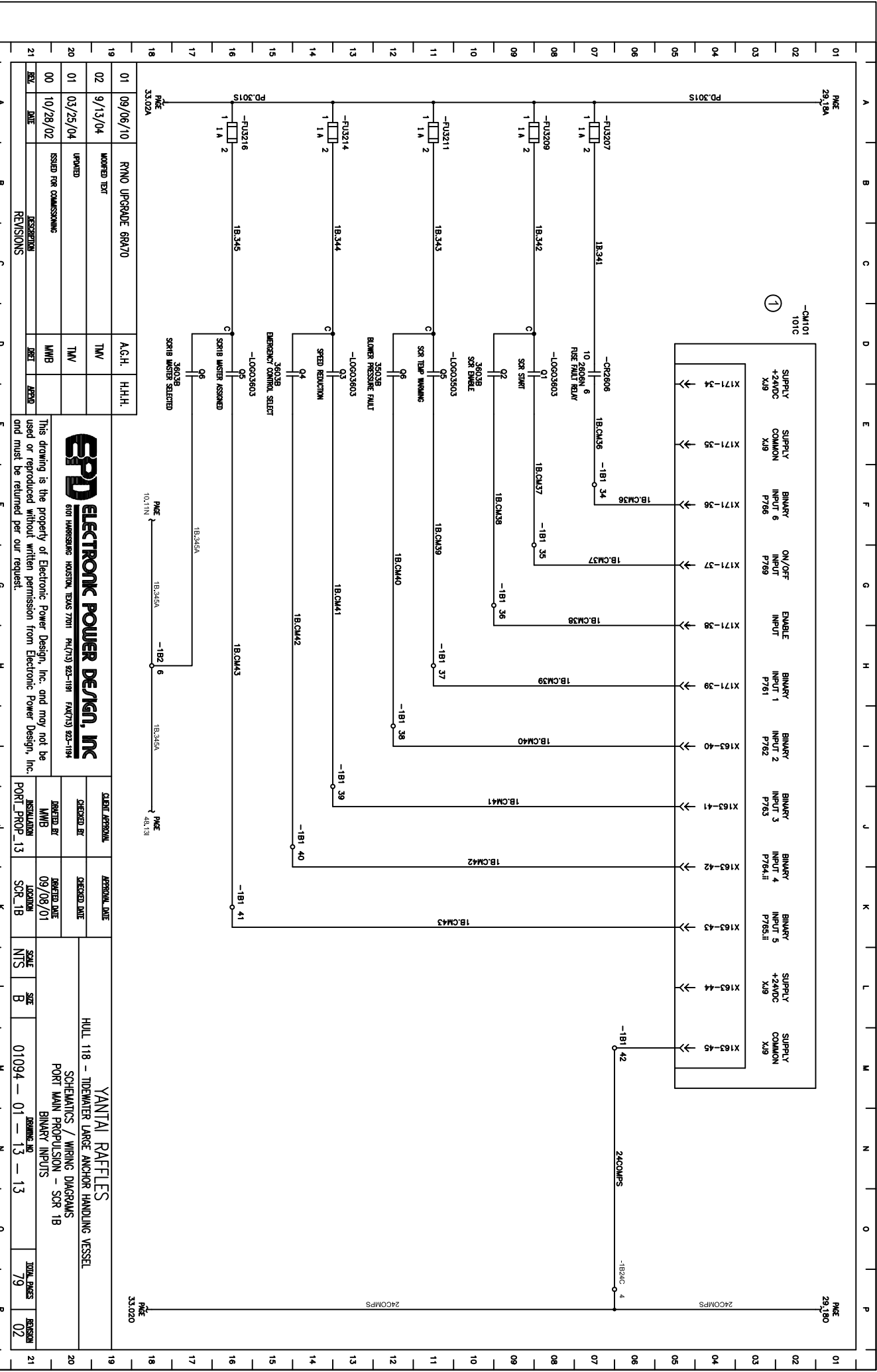
REV.	DATE	DESCRIPTION	DRAWN	APPROVED
01	09/06/10	RPMO UPGRADE 6RA70	A.G.H.	H.H.H.
00	10/28/02	ISSUED FOR COMMISSIONING	MWB	

REVISIONS				
A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P				



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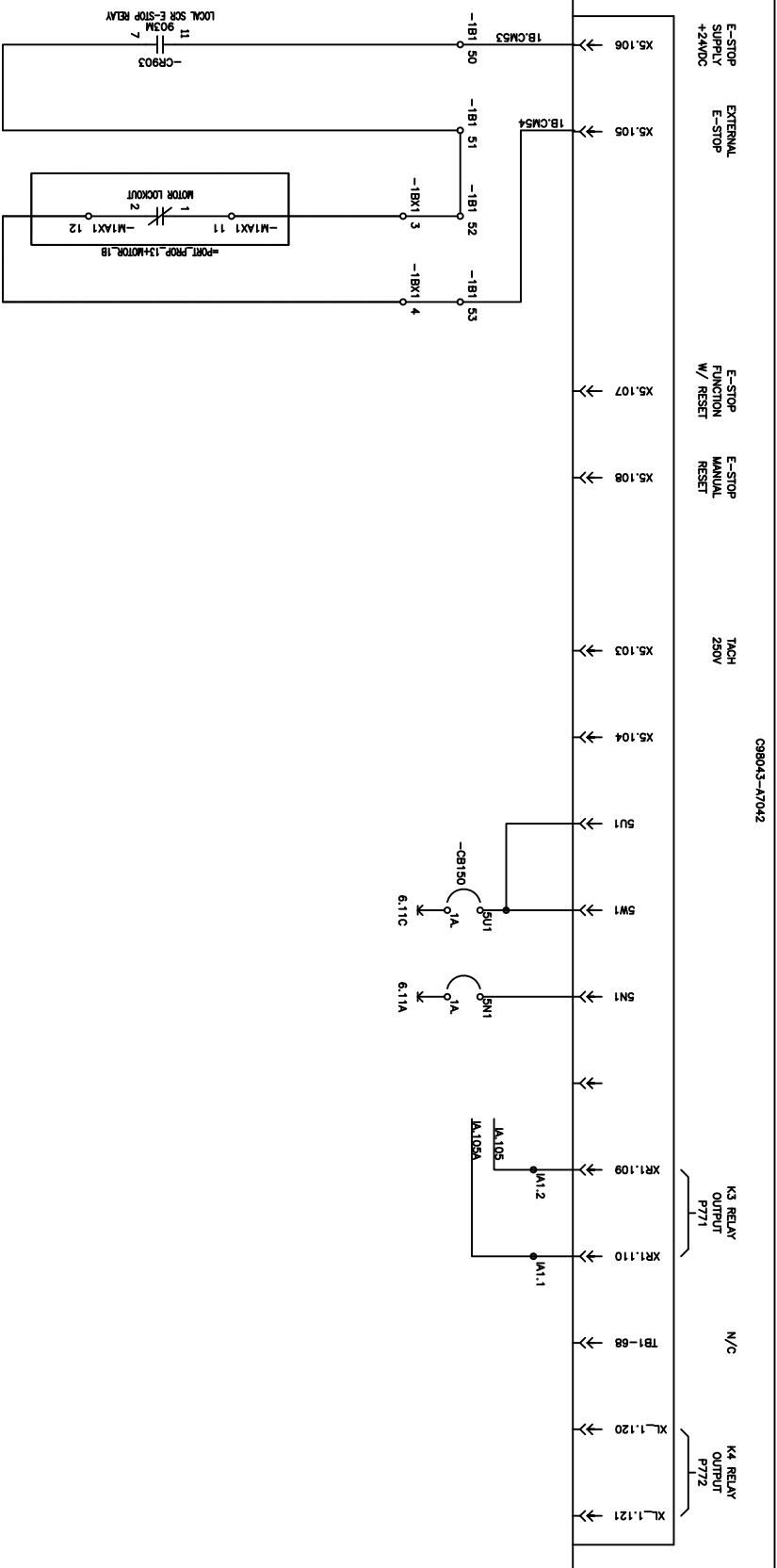
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YANTAI RAFFLES
HULL 118 - TIDEWATER LARGE ANCHOR HANDLING VESSEL
SCHEMATICS / WIRING DIAGRAMS
PORT MAIN PROPULSION - SCR 1B
BINARY INPUTS

CHECKED BY	CHECKED DATE
DESIGNED BY	DESIGNED DATE
APPROVED BY	APPROVED DATE

SCALE: 1:1
SHEET: 13 OF 13
TOTAL SHEETS: 13

01	09/06/10	RINO UPGRADE 6RA70	A.G.H.	H.H.H.
02	9/13/04	MODIFIED TEXT	T.M.V.	
01	03/25/04	UPGRADED	T.M.V.	
00	10/28/02	ISSUED FOR COMMISSIONING	M.M.B.	
21	REV.	DATE	DESCRIPTION	APPROVED
REVISIONS				



REV.	DATE	DESCRIPTION	BY	APPD
01	09/06/10	RNNO UPGRADE 6RA70	A.G.H.	H.H.H.
01	03/25/04	UPDATED	TMY	
00	10/28/02	ISSUED FOR COMMISSIONING	MNB	
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CLIENT APPROVAL			APPROVAL DATE	
CHECKED BY			CHECKED DATE	
DESIGNED BY			DESIGNED DATE	
MNB			09/08/01	
INSTALLATION			LOCATION	
PORT PROP_13			SCR_1B	
SCALE	SIZE	DRAWING NO.		
NTS	B	01094 - 01 - 13 - 15		
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		REVISION		
		01		

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CLIENT APPROVAL		APPROVAL DATE	YANTAL RAFFLES		HULL 118 - TIDEMASTER LARGE ANCHOR HANDLING VESSEL	
CHECKED BY		CHECKED DATE				
DRAWN BY		DRAWN DATE				
MMB		09/08/01	SCHEMATICS / WIRING DIAGRAMS PORT MAIN PROPULSION - SCR 1B E-STOP AND TACHOMETER INPUTS			
INSTALLATION		LOCATION	SCALE	SIZE		
PORT PROP - 13		SCR - 1B	NTS	B	01094 - 01 - 13 - 15	REVISION
					7/9	01