

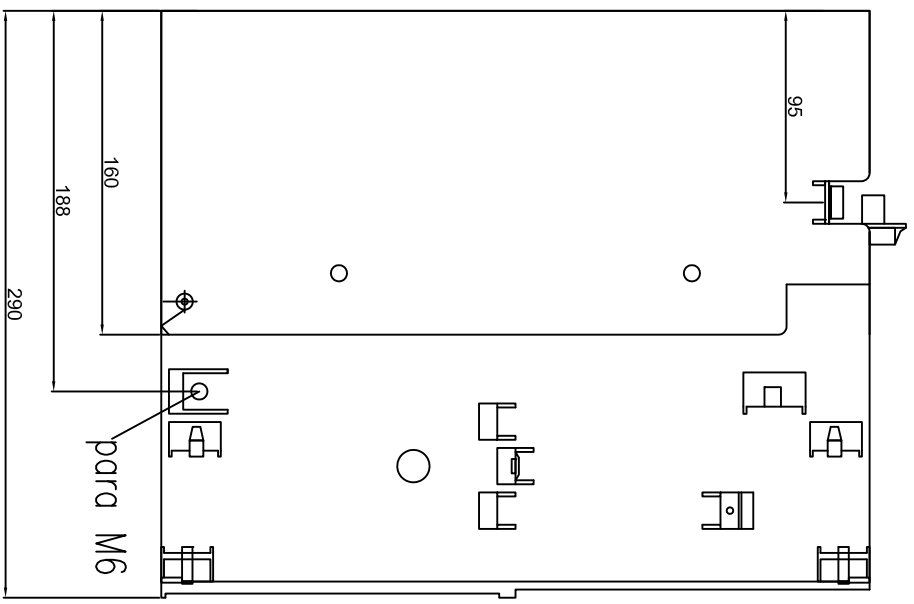
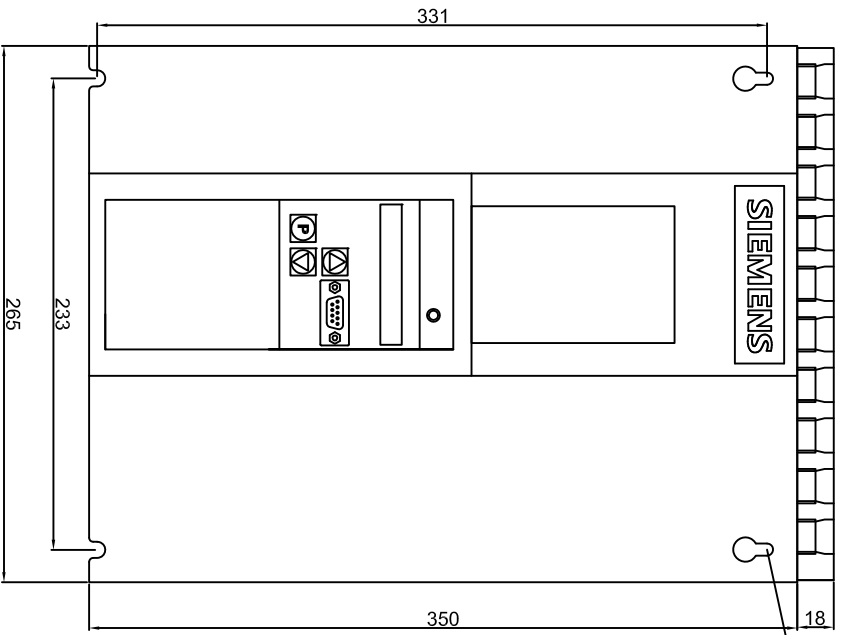
EQUIPMENT LIST

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	
CHECKED BY	CHECKED DATE	HULL 118 - TIDEWATER LARGE ANCHOR HANDLING VESSEL	
DRAWN BY	DRAWN DATE	SCHEMATICS / WIRING DIAGRAMS	
JAA	08/20/02	STBD MAIN PROPULSION - SCR 2A	
INSULATION	LOCATION	SCALE	SHEET
STBD_PROP_13	SCR 2A	MTS	B
		01094 - 02 - 13 - 0	DRAWING NO
		TOTAL PAGES	
		79	
		REVISION	
		00	

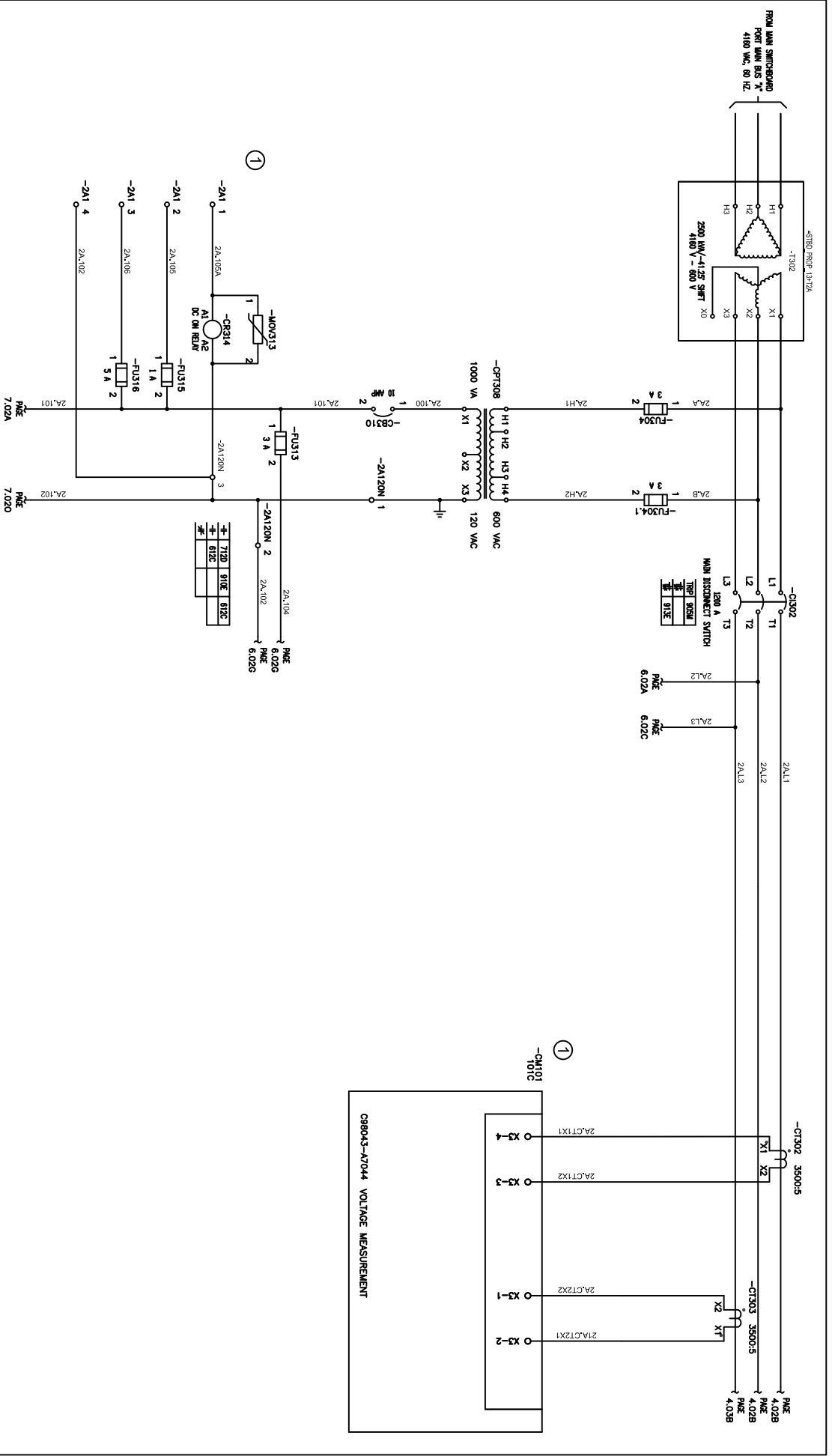


01	09/06/10	RTNO UPGRADE 6RA70	AGH	H.H.H.
00	10/28/02	ISSUED FOR COMMISSIONING	MMB	

**ELECTRONIC POWER DESIGN, INC**
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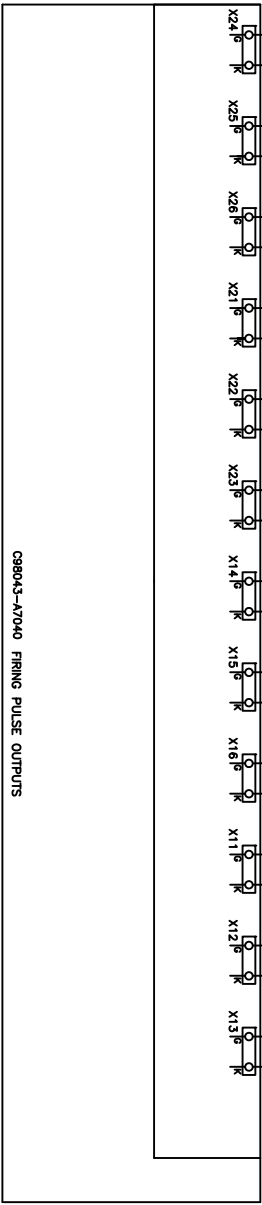
CLIENT APPROVAL		APPROVAL DATE	
CHECKED BY		CHECKED DATE	
DRAWN BY	JAA	DRAWN DATE	08/20/02
REVISION	STBD_PROP_13	LOCATION	SCR 2A
SCALE		SIZE	01094 - 02 - 13 - 1
NTS		B	
TOTAL PAGES		79	
REVISION		00	



STBD Prop 13-17A				Yantai Raffles			
FROM MAIN SWITCHBOARD				HULL 118 - IDEMATER LARGE ANCHOR HANDLING VESSEL			
PORT MAIN BUS 7" 4180 WVC, 80 Hz				SCHEMATICS / WIRING DIAGRAMS			
2500 kW / 415V 3PWT				STBD MAIN PROPULSION - SCR 2A			
4180 V - 600 V				CONTROL POWER, VOLTAGE AND CURRENT FEEDBACK			
REV. DATE DESCRIPTION				TOTAL PAGES			
00 10/28/02 ISSUED FOR COMMISSIONING				79			
01 09/06/10 RMO UPGRADE 6RA70				00			
02 10/28/02 ISSUED FOR COMMISSIONING				00			
03 10/28/02 ISSUED FOR COMMISSIONING				00			
04 10/28/02 ISSUED FOR COMMISSIONING				00			
05 10/28/02 ISSUED FOR COMMISSIONING				00			
06 10/28/02 ISSUED FOR COMMISSIONING				00			
07 10/28/02 ISSUED FOR COMMISSIONING				00			
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12 10/28/02 ISSUED FOR COMMISSIONING				00			
13 10/28/02 ISSUED FOR COMMISSIONING				00			
14 10/28/02 ISSUED FOR COMMISSIONING				00			
15 10/28/02 ISSUED FOR COMMISSIONING				00			
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20 10/28/02 ISSUED FOR COMMISSIONING				00			
21 10/28/02 ISSUED FOR COMMISSIONING				00			

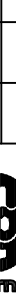
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800 HARRISBURG HOUSTON, TEXAS 77011 PH(713) 823-1191 FAX(713) 823-1194

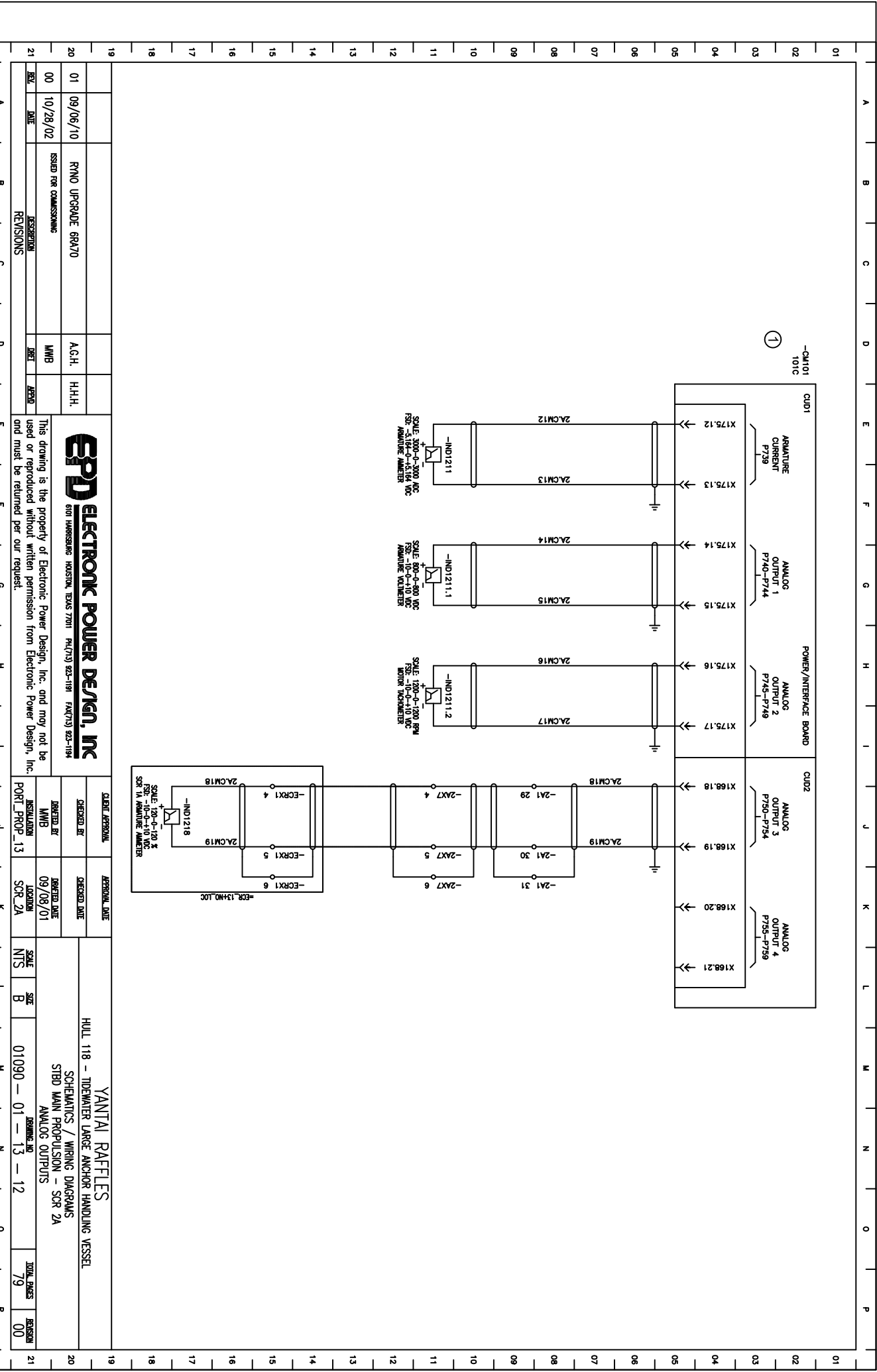
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 ELECTRONIC POWER DESIGN, INC. 6101 HARMESBACH HOUSTON, TEXAS 77011 PH.(713) 923-1191 FAX(713) 923-1194	CLIENT APPROVAL _____		APPROVAL DATE _____	
	CHECKED BY _____	CHECKED DATE _____	HULL 118 - TIDEWATCH LARGE ANCHOR HANDLING VESSEL	
	DRAWN BY JAA	DATED DATE 08/20/02	YANTAL RAFFLES SCHEDULES / WIRING DIAGRAMS STBD MAN PROPUSSION - SCR 2A CATE FIRING CIRCUIT	
	REVISIONS STBD_PROP_13	LOCATION SCR_2A	SCALE NTS	SIZE B
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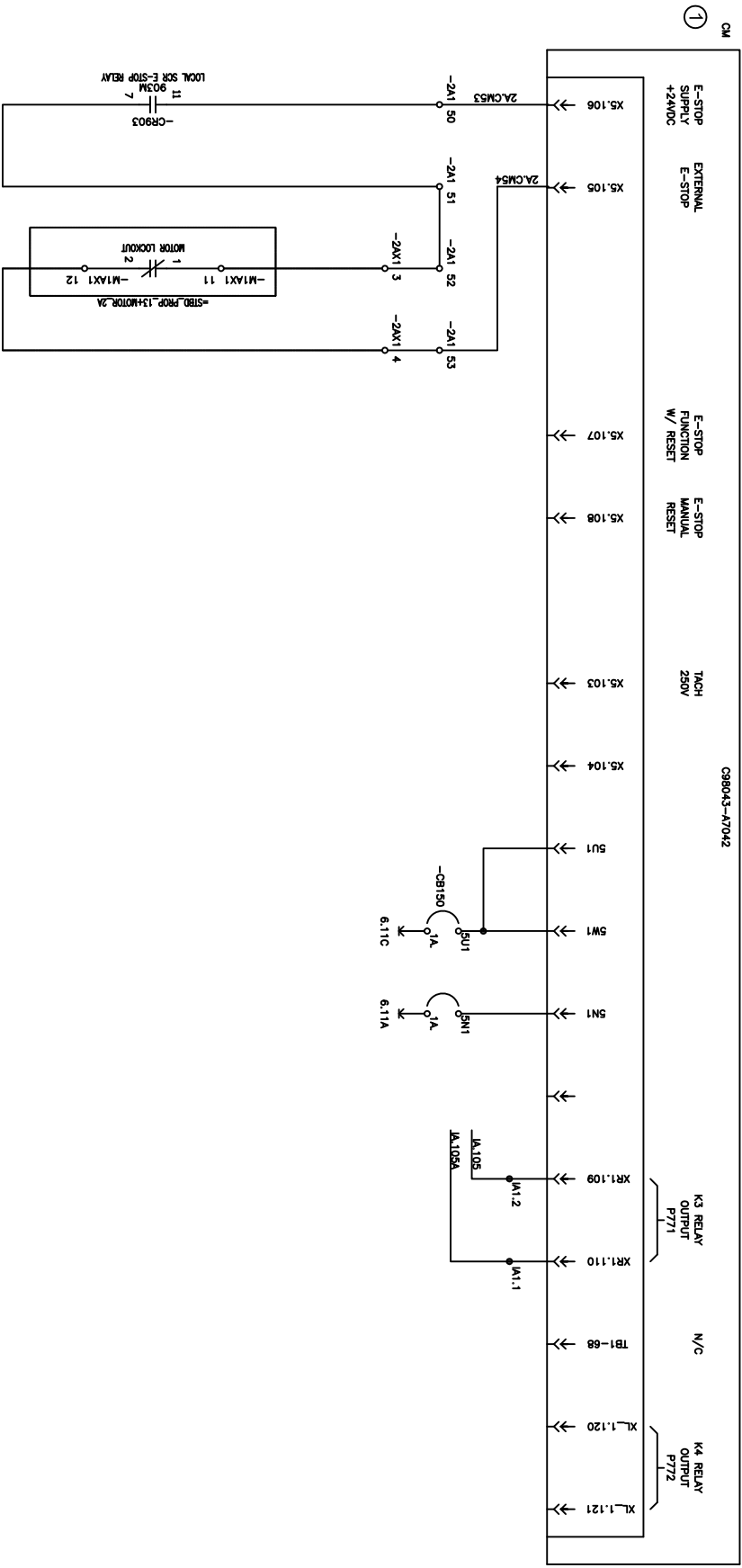
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01	09/06/10	RYNO UPGRADE 6RA70	A.C.H.	H.H.H.			
00	10/28/02	ISSUED FOR COMMISSIONING	MHB				
REV.	DATE	DESCRIPTION	DATE	APPRO			
REVISIONS							
 ELECTRONIC POWER DESIGN, INC 6101 HARRISBURG HOUSTON, TEXAS 77011 FAX(713) 823-1191							
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CLIENT APPROVAL		APPROVAL DATE		YANTAI RAFFRIES			
CHECKED BY		CHECKED DATE		HULL 118 - TIDEWATER LARGE ANCHOR HANDLING VESSEL			
DRAWN BY JAA		APPROVED DATE 08/20/02		SCHEMATICS / WIRING DIAGRAMS			
		LOCATION SCR-2A		STBD MAIN PROPULSION - SCR 2A			
STBD_PROP-13		INSTALLATION		ANALOG INPUTS			
		SCALE		TOTAL PAGES			
		B		01094 - 02 - 13 - 11			
		NTS		DRAWING NO. 79			
				REVISION 00			



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

HULL 118 - TIDEWATER LARGE ANCHOR HANDLING VESSEL			
SCHEMATICS / WIRING DIAGRAMS			
STBD MAIN PROPULSION - SCR 2A			
ANALOG OUTPUTS			
SCALE	SIZE	DRAWING NO.	TOTAL PAGES
MTS	B	01090 - 01 - 13 - 12	79
			00



01	09/06/10	RINO UPGRADE 6RA70	A.G.H.	H.H.H.
01	03/25/04	UPWARD	T.M.V.	
00	10/28/02	ISSUED FOR COMMISSIONING	M.M.B.	
21	REV.	DATE	DESCRIPTION	APP'D
A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P				

CLIENT APPROVAL	APPROVAL DATE
CHECKED BY	CHECKED DATE
DRAWN BY	DRAWN DATE
J.A.A.	08/20/02
INSTALLATION	LOCATION
STBD_PROP_13	SCR_2A
SCALE	SIZE
MTS	B
01094 -- 02 -- 13 -- 15	
TOTAL PAGES	REVISION
79	01

HULL 118 - IDEWATER LARGE ANCHOR HANDLING VESSEL

SCHEMATICS / WIRING DIAGRAMS

STBD MAIN PROPULSION - SCR 2A

E-STOP AND TACHOMETER INPUTS

DRWING NO

YANTAI RAFFLES

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