


SHANGHAI JIANGNAN CHANGXING HEAVY INDUSTRY CO., LTD

Hull No. : H2431/2432/2433

5100TEU CONTAINER VESSEL

DISTRIBUTION BOARD

DESIGNED BY		DRAWING NO.	TC06P174
COMPARED BY		REVISION	A
CHECKED BY		CLASS	GL
APPROVED BY		DATE	2007-09-27
 TERASAKI <i>Ensuring Service, Maintaining Quality</i>		TERASAKI (CHINA) ELECTRIC CO., LTD	

VOL.1

GENERAL SPECIFICATION-----SE

ABBREVIATION-----AB

BREAKING CAPACITY LIST-----BC

NAMEPLATE-----N

GENERAL	FLAG OF SHIP	MARSHALL/LIBERIA	KIND OF SHIP	5100 TEU CLASS CONTAINER VESSEL	REF SHEET No.
	RULE AND REGULATION	<input type="checkbox"/> ABS <input type="checkbox"/> BV <input type="checkbox"/> DNV <input checked="" type="checkbox"/> GL <input type="checkbox"/> JG <input type="checkbox"/> LRS <input type="checkbox"/> NK <input type="checkbox"/> CCS SPECIAL NOTATION <input checked="" type="checkbox"/> AUT <input type="checkbox"/> AUT-0			
	STANDARD	<input type="checkbox"/> JIS <input type="checkbox"/> JEM <input checked="" type="checkbox"/> GB <input checked="" type="checkbox"/> IEC PUB.92(SYSTEM DESIGN PHILOSOPHY ONLY)			
	DRAWING AND DOCUMENT	LANGUAGE: <input checked="" type="checkbox"/> ENGLISH <input type="checkbox"/> CHINESE UNIT: <input checked="" type="checkbox"/> METRIC <input checked="" type="checkbox"/> SI			
	SWITCHBOARD RATING	AC440V 60Hz 3φ			
	ENCLOSURE TYPE	TOP ENCLOSURE TYPE TO BE: IP22			
MECHANICAL CONSTRUCTION AND INSTALLATION	LOCATION	<input type="checkbox"/> CONTROL ROOM <input type="checkbox"/> EMERGENCY GENERATOR ROOM <input checked="" type="checkbox"/> AIR CONDITION ROOM			
	INSTALLATION	<input type="checkbox"/> FLOOR MOUNTING AND SELF STANDING <input checked="" type="checkbox"/> WALL MOUNTING			
	ACCESSIBILITY	<input checked="" type="checkbox"/> FRONT <input type="checkbox"/> REAR <input type="checkbox"/> SIDE			
	HAND RAIL	FRONT <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> VERTICAL <input checked="" type="checkbox"/> NOT PROVIDED REAR <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> VERTICAL <input checked="" type="checkbox"/> NOT PROVIDED			
	CHANNEL OR ANGLE IRON BASE	<input type="checkbox"/> PROVIDED <input checked="" type="checkbox"/> NOT PROVIDED			
	PAINT COLOR(MUNSELL CODE)	OUTSIDE: <input checked="" type="checkbox"/> 7.5BG7/2 <input type="checkbox"/> 2.5BG7/2 <input checked="" type="checkbox"/> ROUGH-POLISHED INSIDE(PANEL) <input checked="" type="checkbox"/> MAKER STANDARD <input type="checkbox"/> 2.5BG7/2 <input type="checkbox"/> ROUGH-POLISHED			
ELECTRICAL CONSTRUCTION	BUS BAR	MATERIAL: <input checked="" type="checkbox"/> COPPER CONTACT SURFACE: <input type="checkbox"/> SILVER PLATED <input checked="" type="checkbox"/> TIN PLATED			
	BUSBAR COLOR CODING	<input checked="" type="checkbox"/> WITH COLOR LABEL AC { PHASE(R): <input type="checkbox"/> RED <input checked="" type="checkbox"/> GREEN PHASE(S): <input type="checkbox"/> WHITE <input checked="" type="checkbox"/> YELLOW PHASE(T): <input type="checkbox"/> BLUE <input checked="" type="checkbox"/> BROWN			
	BUSBAR PHASE ARRANGEMENT	VIEWING FROM FRONT PHASE(R) (U) POLE(P) LEFT TOP FRONT PHASE(S) (V) POLE(N) RIGHT BOTTOM REAR PHASE(T) (W)			
	CABLE ENTRANCE	<input type="checkbox"/> TOP <input type="checkbox"/> WITH CABLE GLAND <input type="checkbox"/> REAR UPPER <input checked="" type="checkbox"/> WITH CABLE COAMING <input checked="" type="checkbox"/> BOTTOM <input type="checkbox"/> OPEN			
	INTERNAL WIRING MATERIAL	TYPE		660V CBYJR (75 ° C)	
		CIRCUIT	POWER CIRCUIT	<input checked="" type="checkbox"/> 600V CBYJR(85 DEG C)	
CONTROL CIRCUIT		MATERIAL	<input checked="" type="checkbox"/> 250V CBYJR(75 DEG C) FLAME RETARDANT AND HALOGEN FREE,LOW SMOKE		
ELECTRICAL CONSTRUCTION AND PARTS	TERMINAL LUG FOR MATERIAL	<input type="checkbox"/> PROVIDED <input checked="" type="checkbox"/> NOT PROVIDED			
	MOLDED CASE CIRCUIT BREAKER	REFER TO THE MCCB BREAKING CAPACITY LIST BC1			
	FUSE (CONTROL CIRCUIT)	REFER TO BREAKING CAPACITY LIST BC2			
	INSULATION RESISTANCE MONITOR	<input type="checkbox"/> YITAI <input type="checkbox"/> 72x72 90° scale1.5 class BEZEL COLOR: <input type="checkbox"/> BLACK <input type="checkbox"/> TOYOKEIKI <input type="checkbox"/> 110x110 scale 1.5 class <input checked="" type="checkbox"/> NOT PROVIDED			
	METER	<input checked="" type="checkbox"/> PROVIDED <input checked="" type="checkbox"/> 72x72 90° scale1.5 class BEZEL COLOR: <input checked="" type="checkbox"/> BLACK <input checked="" type="checkbox"/> DEIF <input type="checkbox"/> 110x110 scale 1.5 class			
	INDICATOR LAMP	<input checked="" type="checkbox"/> IDEC <input type="checkbox"/> OTHER			
	NAMEPLATE	MATERIAL: <input checked="" type="checkbox"/> ACRYLIC LANGUAGE: <input checked="" type="checkbox"/> ENGLISH <input type="checkbox"/> CHINESE <input checked="" type="checkbox"/> English&Chinese(caution plate) BACKGROUND: <input checked="" type="checkbox"/> WHITE <input type="checkbox"/> BLACK <input type="checkbox"/> OTHER LETTER COLOR: <input checked="" type="checkbox"/> BLACK <input type="checkbox"/> WHITE <input checked="" type="checkbox"/> REVERSE ENGRAVED			
	SPARE PARTS	<input checked="" type="checkbox"/> SUPPLIED <input type="checkbox"/> NOT SUPPLIED <input type="checkbox"/> BV <input checked="" type="checkbox"/> WITH STEEL BOX <input type="checkbox"/> WITHOUT STEEL BOX <input type="checkbox"/> TERASAKI(CHINA)STANDARD BOX COLOR(MUNSELL CODE): <input checked="" type="checkbox"/> MAKER STANDARD			

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
A	AMMETER	FS	FREQUENCY METER SWITCH	RL	RED LIGHT
AC	ALTERNATING CURRENT	FSS	FLICKER STOP SWITCH	RPRY	REVERSE POWER RELAY
ACB	AIR CIRCUIT BREAKER	GCS	GOVERNOR MOTOR CONTROL SWITCH	SCR	SILICON CONTROLLED RECTIFIER
AG	AUXILIARY GENERATOR	GL	GREEN LIGHT	SEC	SECOND
AS	AMMETER SWITCH	GSP	GROUP STARTER PANEL	SG	SHAFT GENERATOR
ASS	AUTO SYNCHRO SWITCH	H	HEATER/HOUR	SHS	SPACE HEATER SWITCH
ASCS	AUTO SYNCHRO & LOAD SHIFT SWITCH	HM	RUNNING HOUR METER	SHT	SHUNT TRIP
ATR	ACB RESET SWITCH	IL	INCANDESCENT LAMP	ST	STARTER
AUS	AUXILIARY SWITCH	ILS	INCANDESCENT LAMP SWITCH	STD	SHORT TIME DELAY
AUTO	AUTOMATIC	INST	INSTANTANEOUS	STR	SHORT CIRCUIT TROUBLE RESET
AUX	AUXILIARY	INV	INVERTER	SY	SYNCHROSCOPE
AVR	AUTOMATIC VOLTAGE REGULATOR	IRM	INSULATION RESISTANCE METER	SYS	SYNCHROSCOPE SWITCH
AST	FULL AUTO START	KS	KNIFE SWITCH	STT	ENG START SWITCH
ASP	FULL AUTO STOP	KSDT	KNIFE SWITCH DOUBLE THROW	STP	ENG STOP SWITCH
BCO	BREAKER CONTROL OPEN	KSTT	KNIFE SWITCH TRIPLE THROW	SL	STANDBY LIGHT
BCS	BREAKER CONTROL CLOSE	LSS	AUTO LOAD SHIFT SWITCH	T	TEMPERATURE METER/THERMOMETER
BL	BELL	LTD	LONG TIME DELAY	TB	TERMINAL BLOCK
BL	BLUE LIGHT	LTS	LAMP TEST SWITCH	TCS	TRANSFORMER CONNECTING LINK
BS	BUZZER STOP	MANU	MANUAL	TG	TURBO GENERATOR
BZ	BUZZER	MC	MAGNETIC CONTACTOR	TL	TRANSPARENT LIGHT
CCC	CROSS CURRENT COMPENSATOR	MCCB	MOLDED CASE CIRCUIT BREAKER	TMS	TEMPERATURE METER SWITCH THERMOMETER SWITCH
COS	CHANGE OVER SWITCH	MG	MOTOR GENERATOR/MAIN GENERATOR	TPB	TRIP PUSH BUTTON
CS	CONTROL SWITCH	MIN	MINUTE	TT	TEST TERMINAL
DC	DIRECT CURRENT	M/S	MACHINE SIDE	TS	EG SEQUENCE TEST SWITCH
DG	DIESEL GENERATOR	MSB	MAIN SWITCHBOARD	UVRY	UNDERVOLTAGE RELAY
DM	DIMMER	MV	MAGNETIC VALVE	UVT	UNDERVOLTAGE TRIP
DS	DISCONNECTING SWITCH	NP	NAMEPLATE	V	VOLTMETER
ECS	ENGINE CONTROL SWITCH	OCRY	OVERCURRENT RELAY	VAR	VARMETER
EG	EMERGENCY GENERATOR	OL	ORANGE LIGHT	VR	VOLTAGE REGULATOR
ELS	EARTH LAMP SWITCH	OVRY	OVERVOLTAGE RELAY	VS	VOLTMETER SWITCH
EIL	EMERGENCY LIGHT	PBS	PUSH BUTTON SWITCH	W	WATTMETER
ES	EXCITATION SWITCH	PF	POWER FACTOR METER	WH	WATT HOUR METER
ESB	EMERGENCY SWITCHBOARD	PSI	PHASE SEQUENCE INDICATOR	WL	WHITE LIGHT
ETR	ENG RESET SWITCH	PSL	PHASE SEQUENCE INDICATING LAMP	WIL	WORKING LIGHT
F	FREQUENCY METER	PSC	PHASE SEQUENCE CHECK SWITCH	YL	YELLOW LIGHT
FL	FLUORESCENT LAMP	PLC	PROGRAM LOGIC CONTROLLER		
FLS	FLUORESCENT LAMP SWITCH	RA	REACTOR		

MOLDED CASE CIRCUIT BREAKERS (MANUFACTURER:TERASAKI)

GL

TYPE	MAXIMUM CURRENT RATING (A)	AC450V		AC240V		AC125V		DC250V	USED	
		RATED BREAKING CURRENT (kA) Sym.RMS	RATED MAKING CURRENT (kA) Asym.peak	RATED BREAKING CURRENT (kA) Sym.RMS	RATED MAKING CURRENT (kA) Asym.peak	RATED BREAKING CURRENT (kA) Sym.RMS	RATED MAKING CURRENT (kA) Asym.peak	RATED BREAKING CURRENT (kA)		
XE	XE100NS	100	10	18.5	25	52.5	42*2	95.6*2	7.5	
XS	XS50NB	50	10	18.5	25	52.5	42*2	95.6*2	7.5	
	XS100NB	100	25	52.5	50	105			15	
	XS225NS	225	25	52.5	50	105			40	
	XS400CS	400	30	63	50	105				
	XS400NS	400	42	88.2	85	187				
	XS400NE	400	42	88.2	85	187				
	XS600CS	600	30	63	50	105				
	XS600NS	600	50	105	85	187				
	XS600NE	600	50	105	85	187				
	XS800CS	800	30	63	50	105				
	XS800NS	800	50	105	85	187				
	XS800NE	800	50	105	85	187				
	XS1200NE	1200	65	143	100	220				
	XS1600NE	1600	85	187						
XS2000NE	2000	85	187							
XH	XH50NS	50	42	88.2	85	187				
	XH100NS	100	42	88.2	85	187				○
	XH225NS	225	42	88.2	85	187				
	XH225NE	225	42	88.2	85	187				
	XH800PS	800	85	187						
TL	TL-100F	100	120	288						○
	TL-225F	225	120	288					40	
	TL-400E	400	120	288					40	
	TL-600NE	600	125	298					40	
	TL-800NE	800	125	298						
	TL-100C	100	180	415						○
	TL-225B	225	180	415						
	TL-400	400	180	415						
	TL-600	600	180	415						
	TL-800	800	180	415						
	TL-1000NE	1000	125	298						
	TL-1200NE	1200	125	298						
	TB	TB-5D	10			2.5*3	4.1*3	43.5*1	101.6*1	
TB-5P		15-50			5*3	8*3	43.5*1	101.6*1		

○---USED

NOTE: *1 --- AT AC 110V
 *2 --- AT AC 120V
 *3 --- AT AC 220V

① --- WITH INSTANTANEOUS TRIP

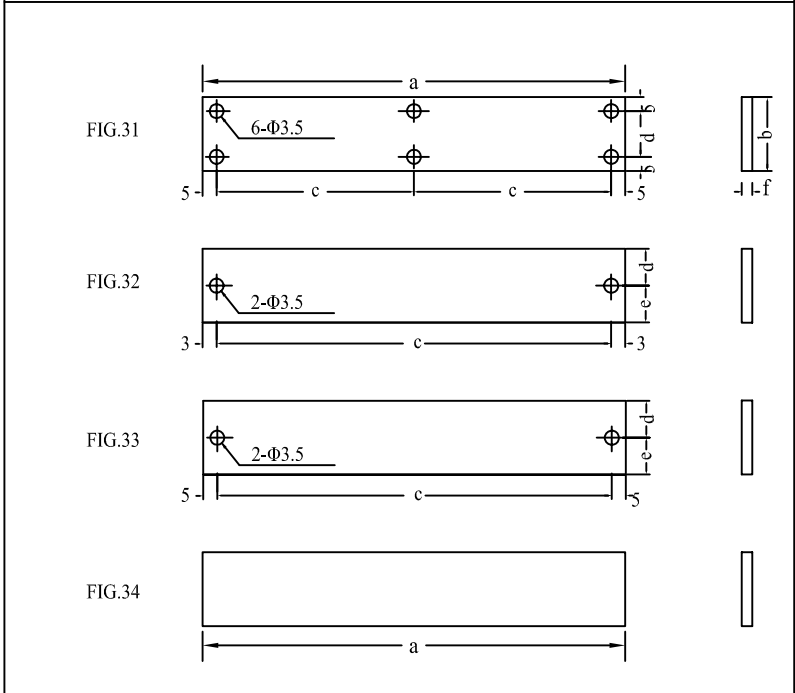
② --- WITHOUT INSTANTANEOUS TRIP

I. DESCRIPTION	
FIG.11	
FIG.12	
FIG.13	
FIG.14	
FIG.15	
FIG.16	
FIG.17	

II. LANGUAGE	
FIG.21	
FIG.22	
FIG.23	

A: CHINESE
B: ENGLISH

III. DIMENSION



I	II	III	TYPE	a	b	c	d	e	f	REMARKS
FIG.	FIG.	FIG.								
11		31	U1	315	63	152.5	5.3	-	3	
11	23	31	U2	200	40	95	30	-	2	
11		34	U5S	63	25	-	-	-	2	
11	23	33	U6	63	16	53	8	8	2	
11	23	34	U7	50	12.5	-	-	-	2	
11		33	U7S	50	12.5	40	6.25	6.25	2	
11	23	33	U9	100	40	90	20	20	2	
11	23	33	U10	100	25	90	12.5	12.5	2	
12		32	U13	40	25	34	12.5	12.5	2	
13	23	34	U14	63	12.5	-	-	-	2	
12	23	33	U15	90	50	80	25	25	2	
12	23	33	U16	90	35	80	17.5	17.5	2	
12		33	U17	90	70	80	52.5	17.5	2	
13	23	34	U20	29	25	-	-	-	2	
16		34	U51	25	8	-	-	-	1	
17		34	U52	25	8	-	-	-	1	
12	23	33	U53	80	40	70	20	20	2	
11		33	U54	63	40	53	20	20	2	
11		33	U55	66	12.5	56	6.25	6.25	2	
11	23	33	U56	100	50	90	25	25	2	
15	23	34	LN13	22	22	-	-	-	1	
15		34	LN12	36	30	-	-	-	1	
12	23	33	LN21	75	35	65	17.5	17.5	2	
12	23	33	LN22	50	35	40	17.5	17.5	2	
14	23	33	LN23	63	16	53	8	8	2	

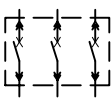
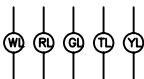

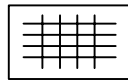


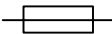


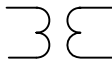


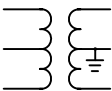


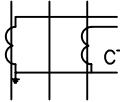
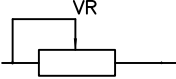


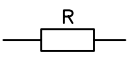

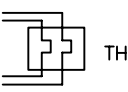
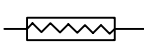











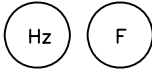









NOTE:
GENERAL PLATE --- ACRYLIC RESIN
MATERIAL --- ACRYLIC RESIN
LETTER --- GENERAL: BLACK;WARNING:RED(REVERSE ENGRAVED)
GROUND --- WHITE

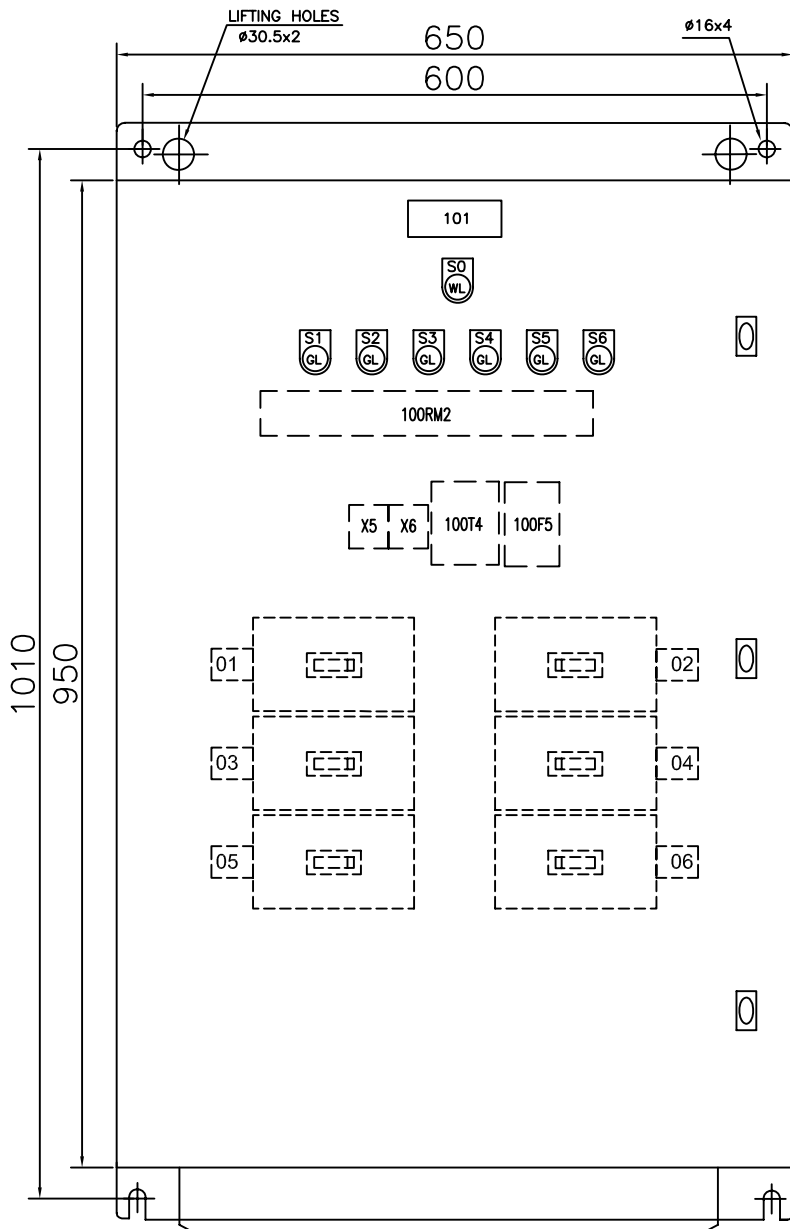
VOL.2

GRAPHICAL SYMBOL-----GS

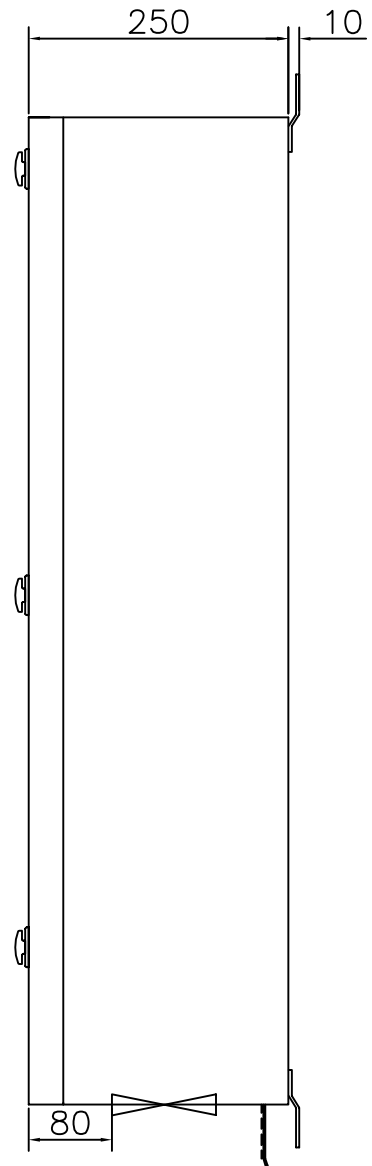
DISTRIBUTION BOARD-----EL

GRAPHICAL CODE

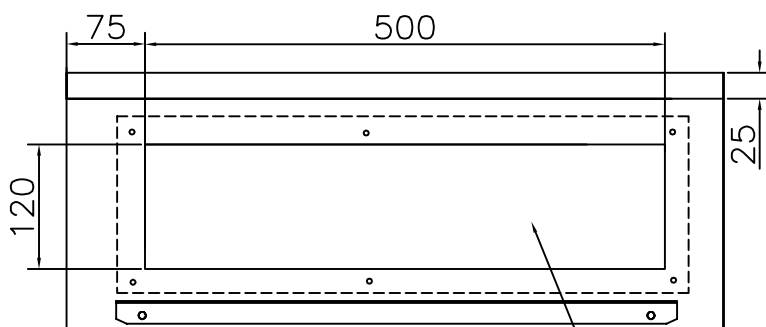
LEGEND	NAME	LEGEND	NAME	LEGEND	NAME
	ACB/MCCB		INDICATING LAMP		PUSH BUTTON OPEN CONTACT
	CHANGEOVER SWITCH		FLUORESCENT LAMP		PUSH BUTTON CLOSE CONTACT
	FUSE		DIODE		EARTH CONNECTION
	TRANSFORMER		GENERATOR		CHANGEOVER SWITCH OPEN CONTACT
	VOLTAGE TRANSFORMER		GOVERNOR MOTOR		POWER OFF TIMER RELAY OPEN CONTACT
	CURRENT TRANSFORMER		VARIABLE RESISTOR		NORMALLY OPEN CONTACT
	TIMER RELAY		RESISTOR		NORMALLY CLOSE CONTACT
	THERMAL		SHUNT		TIMER RELAY NORMALLY OPEN CONTACT
	PHASE SEQUENCE RELAY		SYNCHROSCOPE		TIMER RELAY NORMALLY CLOSE CONTACT
	POWER OFF TIMER RELAY		VOLTMETER		CHANGEOVER SWITCH CLOSE CONTACT
	REVERSE POWER RELAY		AMMETER		POWER OFF TIMER RELAY CLOSE CONTACT
	STATOR WINDING MONITOR		FREQUENCY METER		
	CONTACTOR & RELAY		POWER FACTOR METER		
	POWER TRANSDUCER		INSULATION RESISTANCE METER		
	RUNNING HOUR METER		KILOWATT METER		
	UNDER VOLTAGE TRIP		KILOWATT HOUR METER		
	SHUNT TRIP				



FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

REMOVABLE BAKELITE PLATE

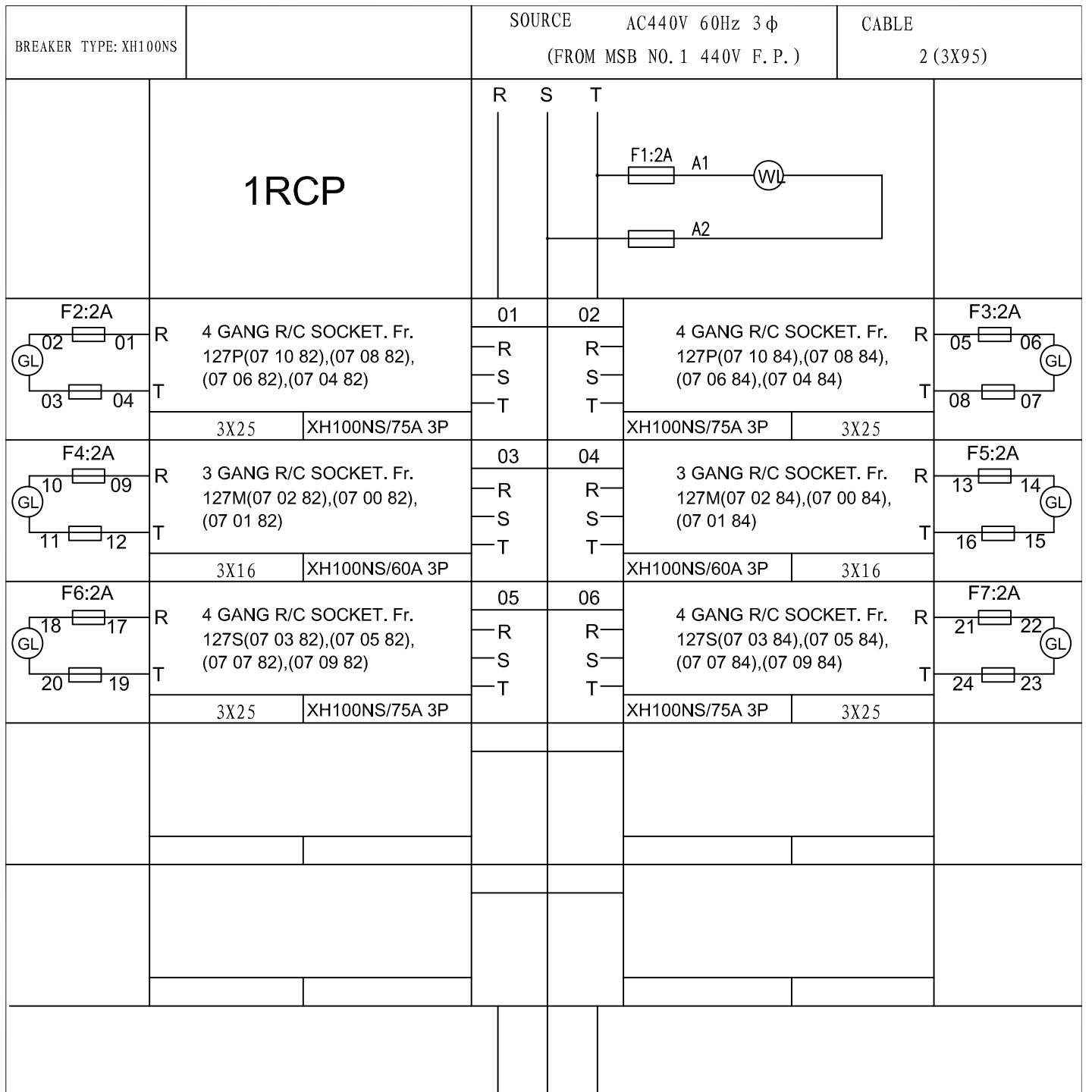
NOTE:
 ENCLOSURE TYPE: IP22
 COLOR: 7.5BG7/2
 BREAKER TYPE: XH100NS
 INSTALLATION: PM

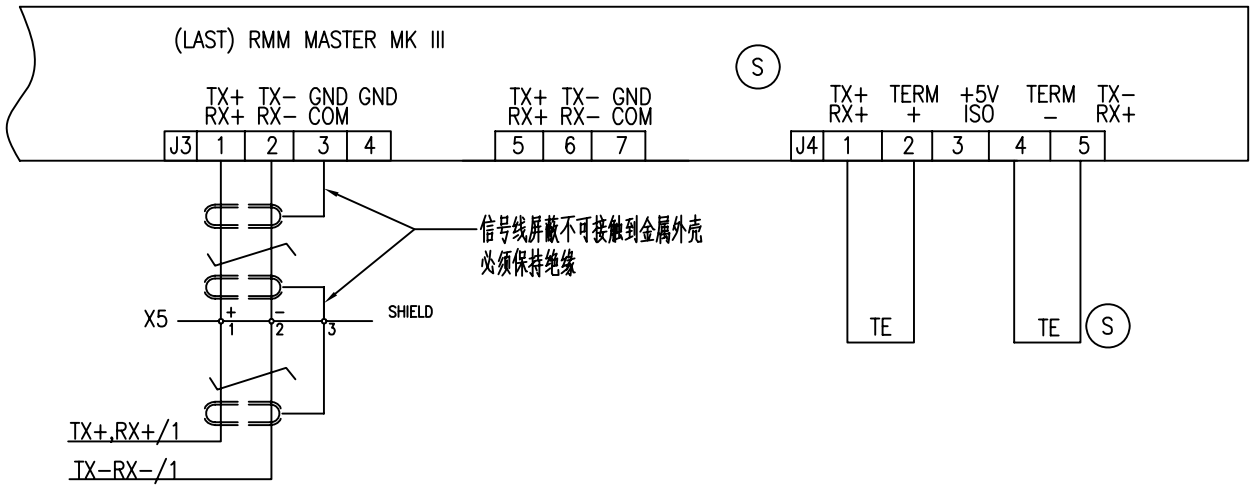


NO.1 REEFER CONTAINER F.P.
 (CONNECTION DIAGRAM)

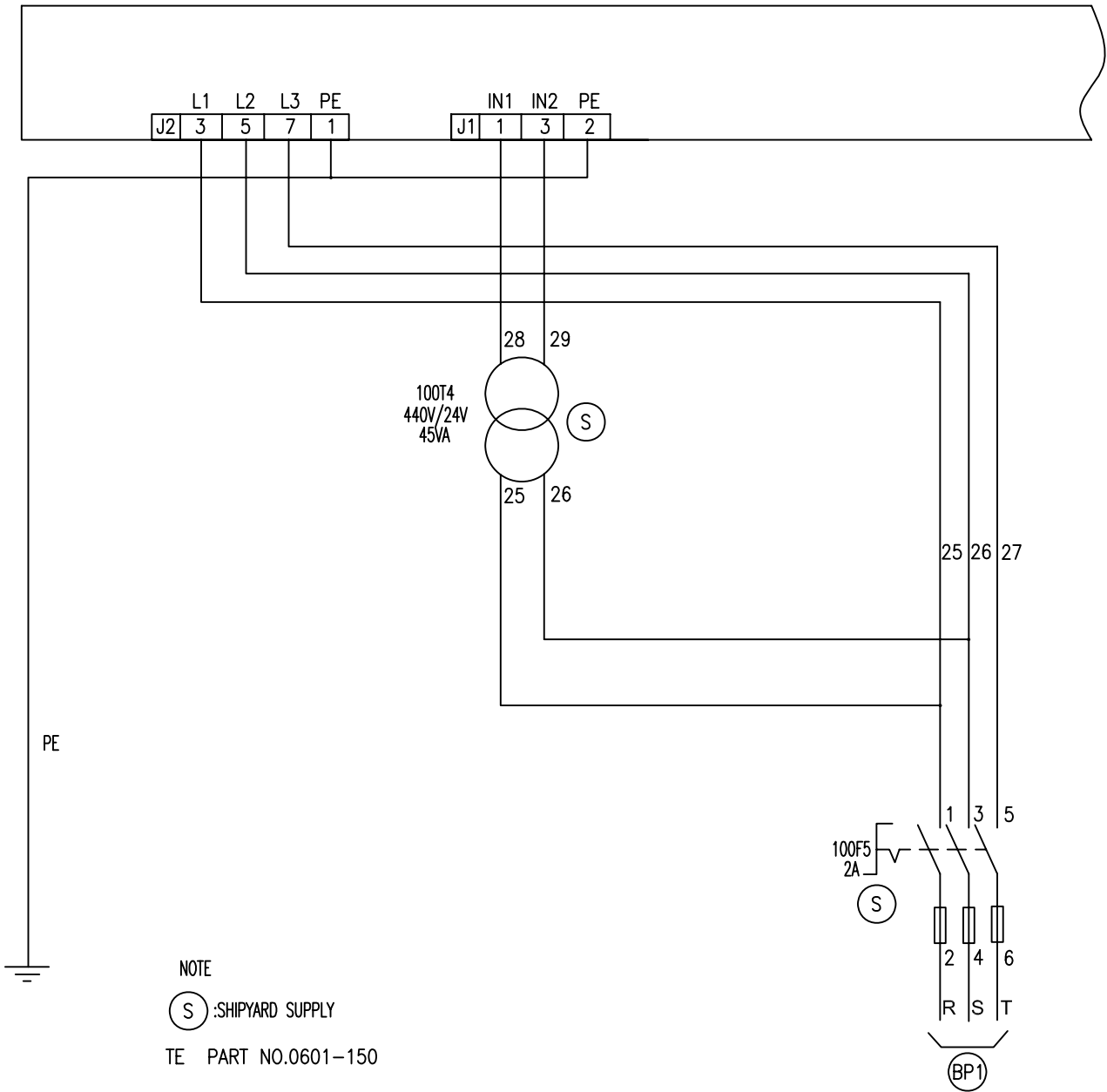
1EL
 2-2

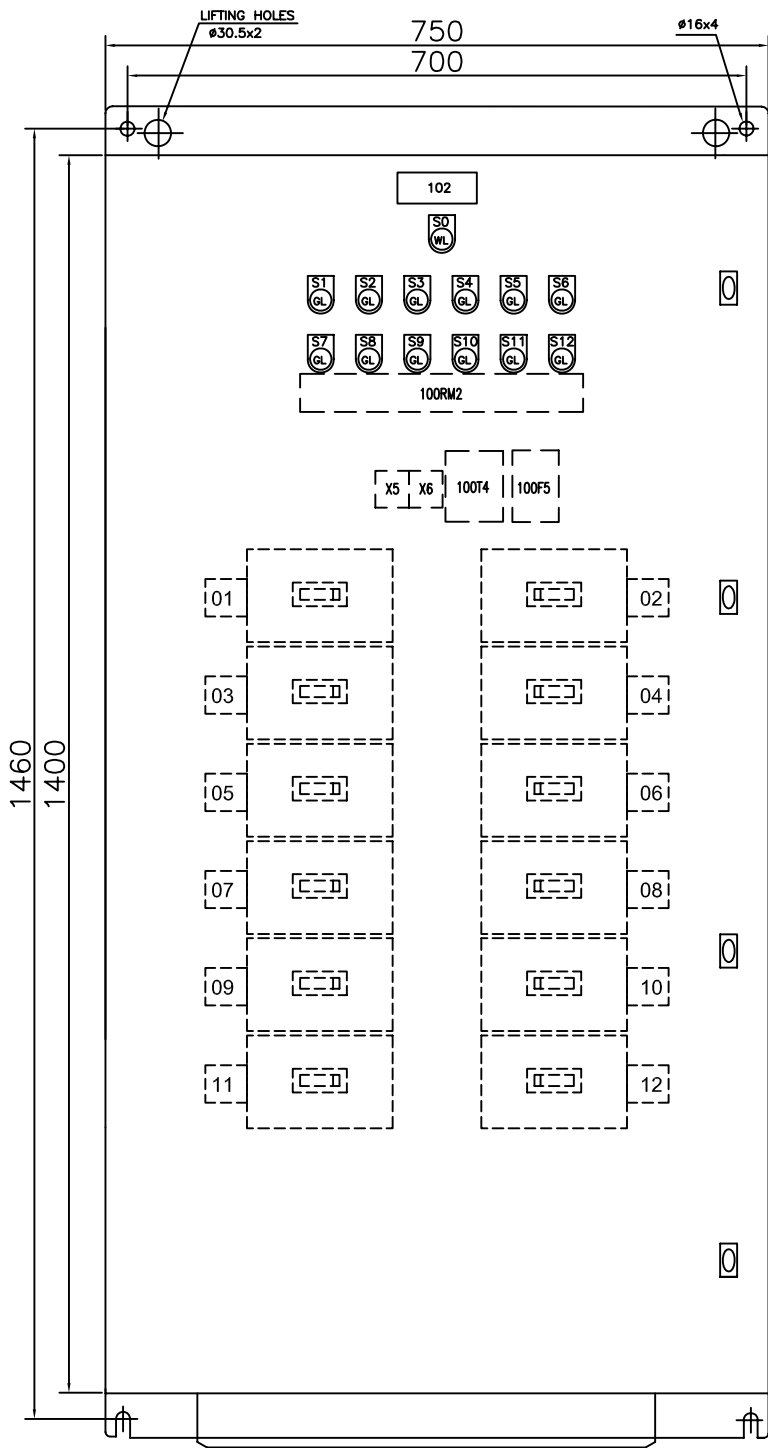
A B C D E F G H I



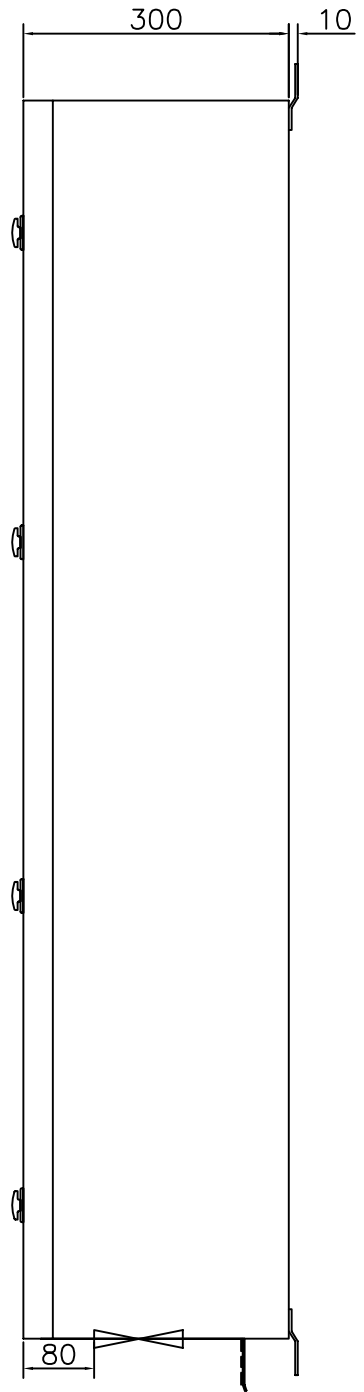


RS485 NETWORK IN GOING TO 2RCP

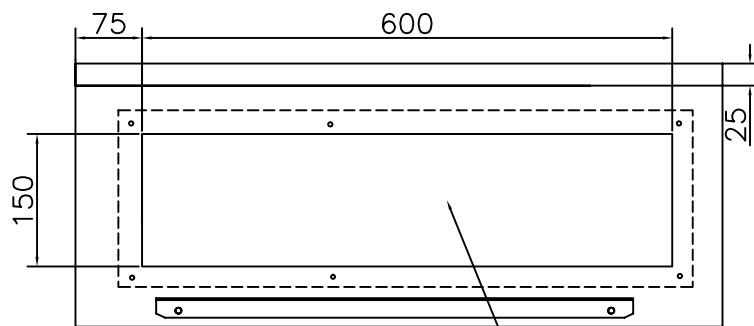




FRONT VIEW



RIGHT VIEW

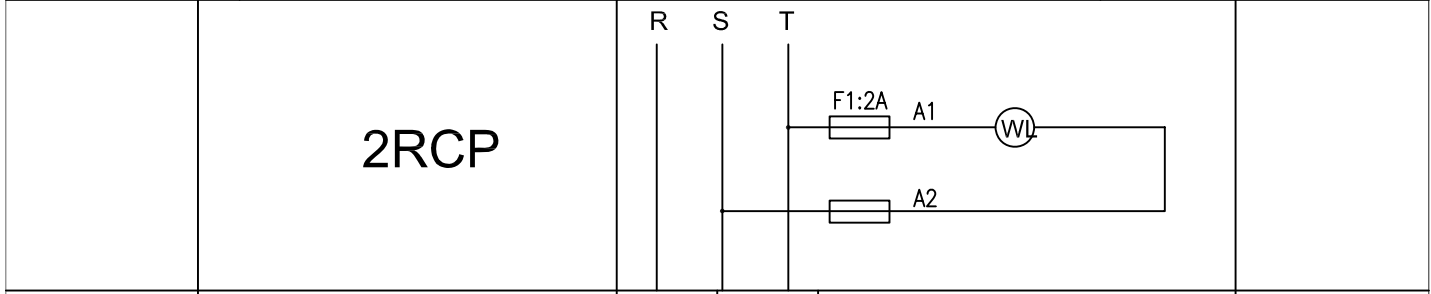


BOTTOM VIEW

REMOVABLE BAKELITE PLATE

NOTE:
 ENCLOSURE TYPE: IP22
 COLOR:7.5BG7/2
 BREAKER TYPE:TL-100F
 INSTALLATION:FC

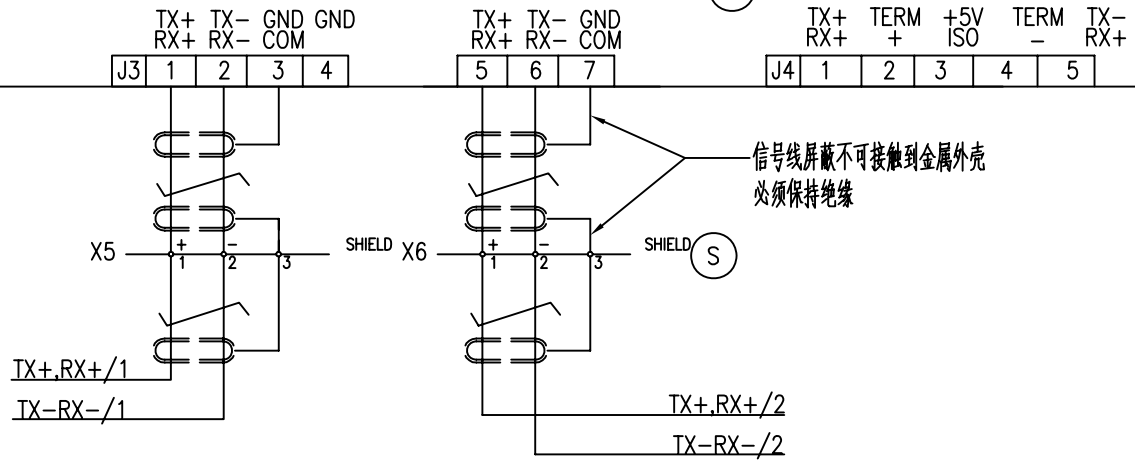
BREAKER TYPE: TL-100F	SOURCE AC440V 60Hz 3φ (FROM MSB NO. 1 440V F. P.)	CABLE 4 (3X95)
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F2:2A 	R 4 GANG R/C SOCKET. Fr. 121P(11 10 82),(11 08 82), (11 06 82),(11 04 82) T	01	02	4 GANG R/C SOCKET. Fr. 121P(11 10 84),(11 08 84), (11 06 84),(11 04 84)	R F3:2A
		R S T	R S T		T
	3X25 TL-100F/75A 3P			TL-100F/75A 3P 3X25	
F4:2A 	R 3 GANG R/C SOCKET. Fr. 121P(11 02 82),(11 00 82), (11 01 82) T	03	04	3 GANG R/C SOCKET. Fr. 121P(11 02 84),(11 00 84), (11 01 84)	R F5:2A
		R S T	R S T		T
	3X16 TL-100F/60A 3P			TL-100F/60A 3P 3X16	
F6:2A 	R 4 GANG R/C SOCKET. Fr. 121S(11 03 82),(11 05 82), (11 07 82),(11 09 82) T	05	06	4 GANG R/C SOCKET. Fr. 121S(11 03 84),(11 05 84), (11 07 84),(11 09 84)	R F7:2A
		R S T	R S T		T
	3X25 TL-100F/75A 3P			TL-100F/75A 3P 3X25	
F8:2A 	R 4 GANG R/C SOCKET. Fr. 115P(15 10 82),(15 08 82), (15 06 82),(15 04 82) T	07	08	4 GANG R/C SOCKET. Fr. 115P(15 10 84),(15 08 84), (15 06 84),(15 04 84)	R F9:2A
		R S T	R S T		T
	3X25 TL-100F/75A 3P			TL-100F/75A 3P 3X25	
F10:2A 	R 3 GANG R/C SOCKET. Fr. 115M(15 02 82),(15 00 82), (15 01 82) T	09	10	3 GANG R/C SOCKET. Fr. 115P(15 02 84),(15 00 84), (15 01 84)	R F11:2A
		R S T	R S T		T
	3X16 TL-100F/60A 3P			TL-100F/60A 3P 3X16	
F12:2A 	R 4 GANG R/C SOCKET. Fr. 115S(15 03 82),(15 05 82), (15 07 82),(15 09 82) T	11	12	4 GANG R/C SOCKET. Fr. 115S(15 03 84),(15 05 84), (15 07 84),(15 09 84)	R F13:2A
		R S T	R S T		T
	3X25 TL-100F/75A 3P			TL-100F/75A 3P 3X25	



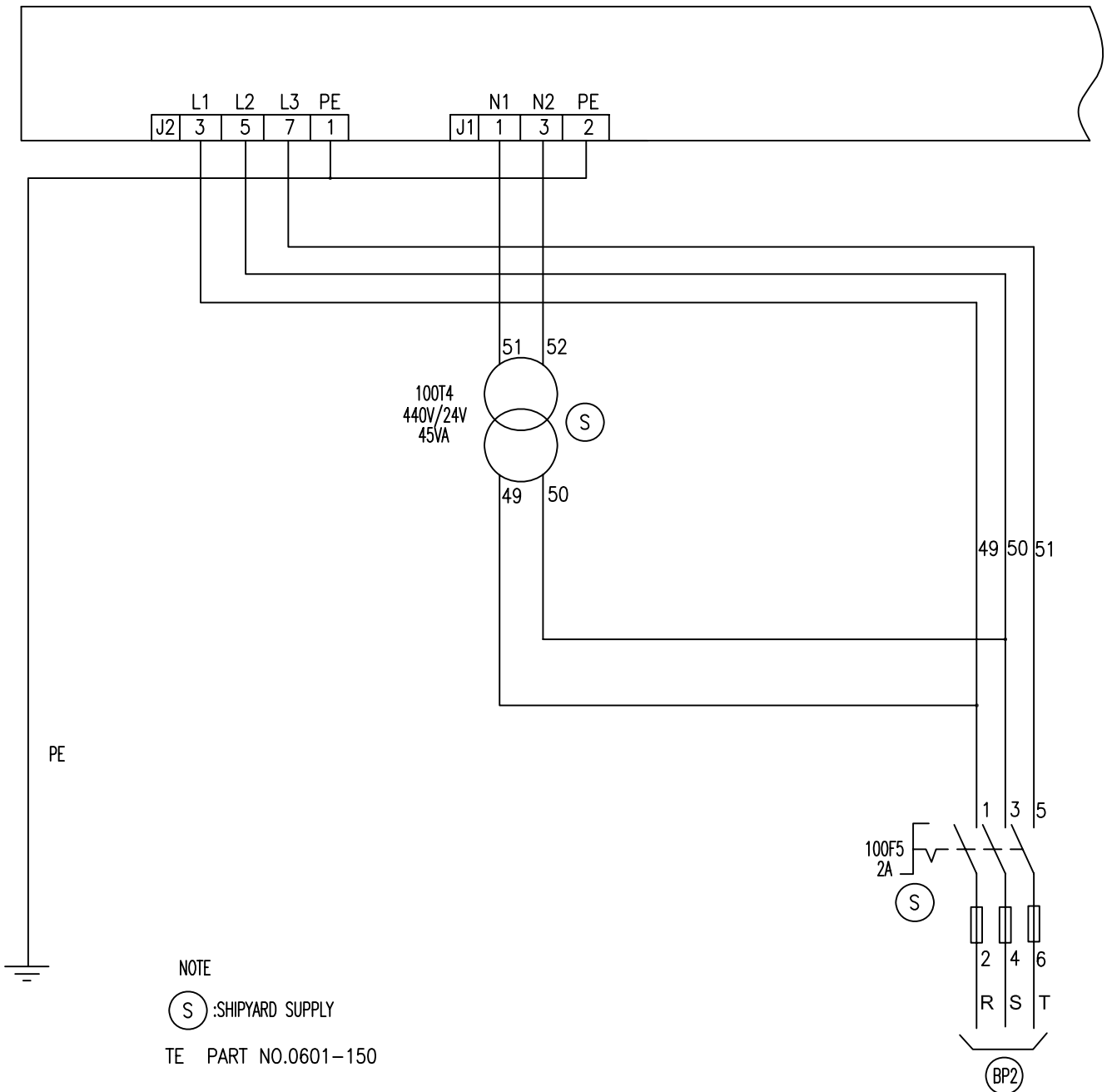
(FIRST/BETWEEN) RMM MASTER MK III



信号线屏蔽不可接触到金属外壳
必须保持绝缘

RS485 NETWORK IN GOING TO 3RCP

RS485 NETWORK OUT GOING FROM 1RCP



NOTE

(S) : SHIPYARD SUPPLY

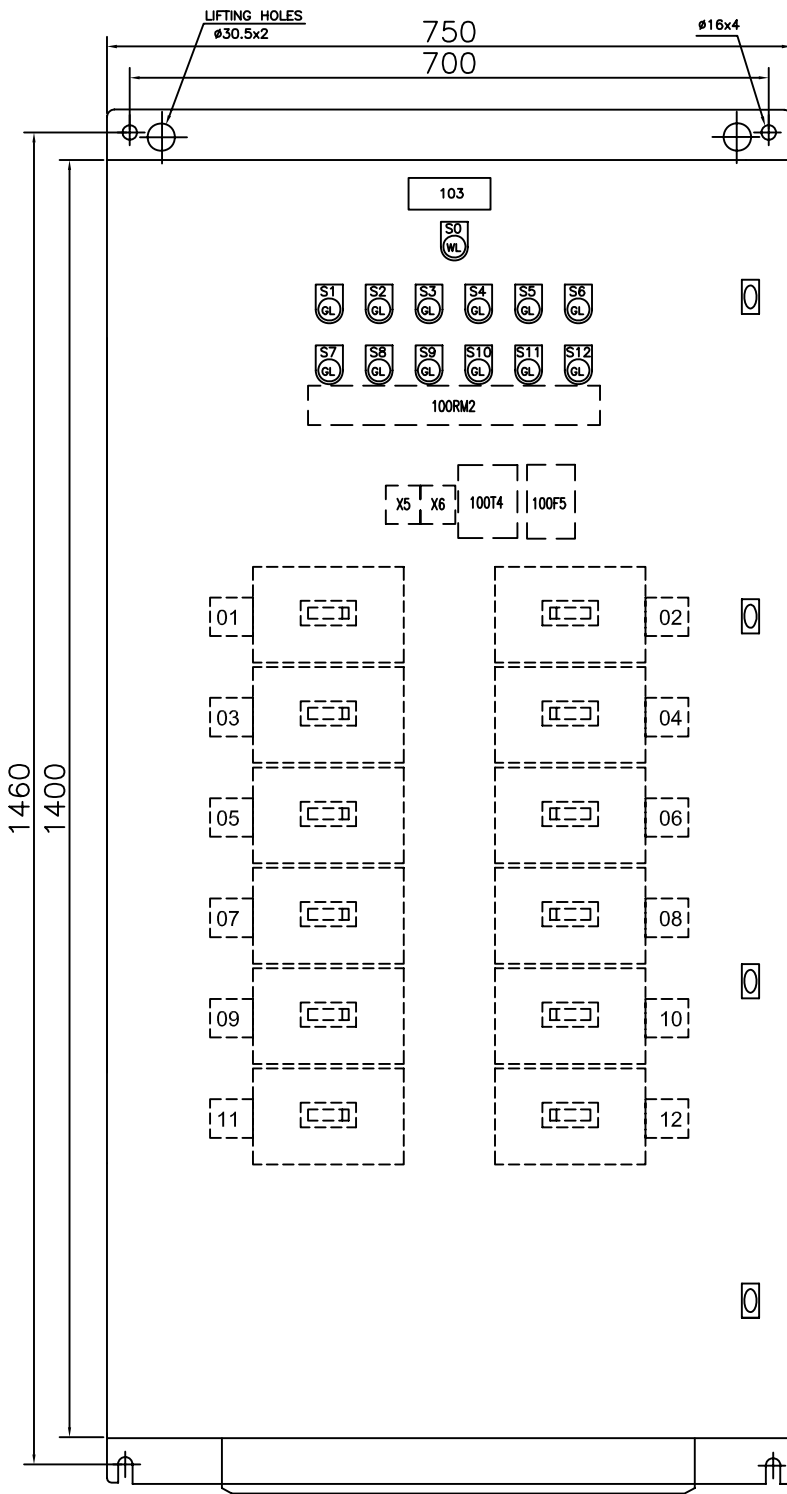
TE PART NO.0601-150



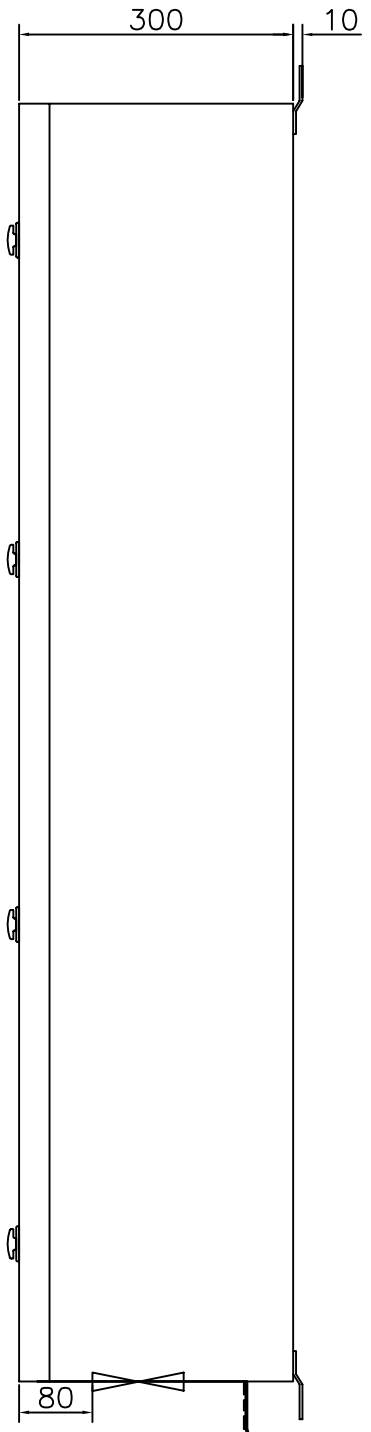
NO.2 REEFER CONTAINER F.P.
(CONNECTION DIAGRAM)

2EL
2-7

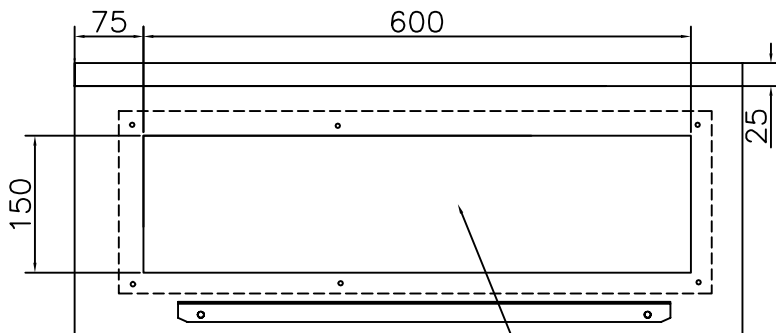
A B C D E F G H I



FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

REMOVABLE BAKELITE PLATE

NOTE:
 ENCLOSURE TYPE: IP22
 COLOR: 7.5BG7/2
 BREAKER TYPE: TL-100F
 INSTALLATION: FC

A	B	C	D	E	F	G	H	I
---	---	---	---	---	---	---	---	---



NO.3 REEFER CONTAINER F.P.
 (OUTLINE VIEW)

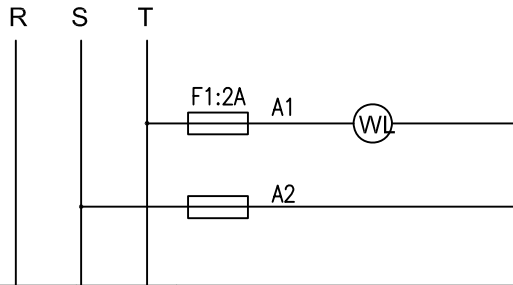
3EL
2-8

BREAKER TYPE: TL-100F

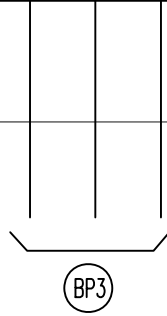
SOURCE AC440V 60Hz 3φ
(FROM MSB NO.1 440V F. P.)

CABLE
4 (3X95)

3RCP



<p>F2:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 109P(19 10 82),(19 08 82), (19 06 82),(19 04 82)</p> <p>T</p> <p>3X25 TL-100F/75A 3P</p>	<p>01</p> <p>R</p> <p>S</p> <p>T</p>	<p>02</p> <p>R</p> <p>S</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 109P(19 10 84),(19 08 84), (19 06 84),(19 04 84)</p> <p>TL-100F/75A 3P 3X25</p>	<p>F3:2A</p>
<p>F4:2A</p>	<p>R</p> <p>3 GANG R/C SOCKET. Fr. 109M(19 02 82),(19 00 82), (19 01 82)</p> <p>T</p> <p>3X16 TL-100F/60A 3P</p>	<p>03</p> <p>R</p> <p>S</p> <p>T</p>	<p>04</p> <p>R</p> <p>S</p> <p>T</p>	<p>3 GANG R/C SOCKET. Fr. 109M(19 02 84),(19 00 84), (19 01 84)</p> <p>TL-100F/60A 3P 3X16</p>	<p>F5:2A</p>
<p>F6:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 109S(19 03 82),(19 05 82), (19 07 82),(19 09 82)</p> <p>T</p> <p>3X25 TL-100F/75A 3P</p>	<p>05</p> <p>R</p> <p>S</p> <p>T</p>	<p>06</p> <p>R</p> <p>S</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 109S(19 03 84),(19 05 84), (19 07 84),(19 09 84)</p> <p>TL-100F/75A 3P 3X25</p>	<p>F7:2A</p>
<p>F8:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 103P(23 10 82),(23 08 82), (23 06 82),(23 04 82)</p> <p>T</p> <p>3X25 TL-100F/75A 3P</p>	<p>07</p> <p>R</p> <p>S</p> <p>T</p>	<p>08</p> <p>R</p> <p>S</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 103P(23 10 84),(23 08 84), (23 06 84),(23 04 84)</p> <p>TL-100F/75A 3P 3X25</p>	<p>F9:2A</p>
<p>F10:2A</p>	<p>R</p> <p>3 GANG R/C SOCKET. Fr. 103M(23 02 82),(23 00 82), (23 01 82)</p> <p>T</p> <p>3X16 TL-100F/60A 3P</p>	<p>09</p> <p>R</p> <p>S</p> <p>T</p>	<p>10</p> <p>R</p> <p>S</p> <p>T</p>	<p>3 GANG R/C SOCKET. Fr. 103M(23 02 84),(23 00 84), (23 01 84)</p> <p>TL-100F/60A 3P 3X16</p>	<p>F11:2A</p>
<p>F12:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 103S(23 03 82),(23 05 82), (23 07 82),(23 09 82)</p> <p>T</p> <p>3X25 TL-100F/75A 3P</p>	<p>11</p> <p>R</p> <p>S</p> <p>T</p>	<p>12</p> <p>R</p> <p>S</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 103S(23 03 84),(23 05 84), (23 07 84),(23 09 84)</p> <p>TL-100F/75A 3P 3X25</p>	<p>F13:2A</p>

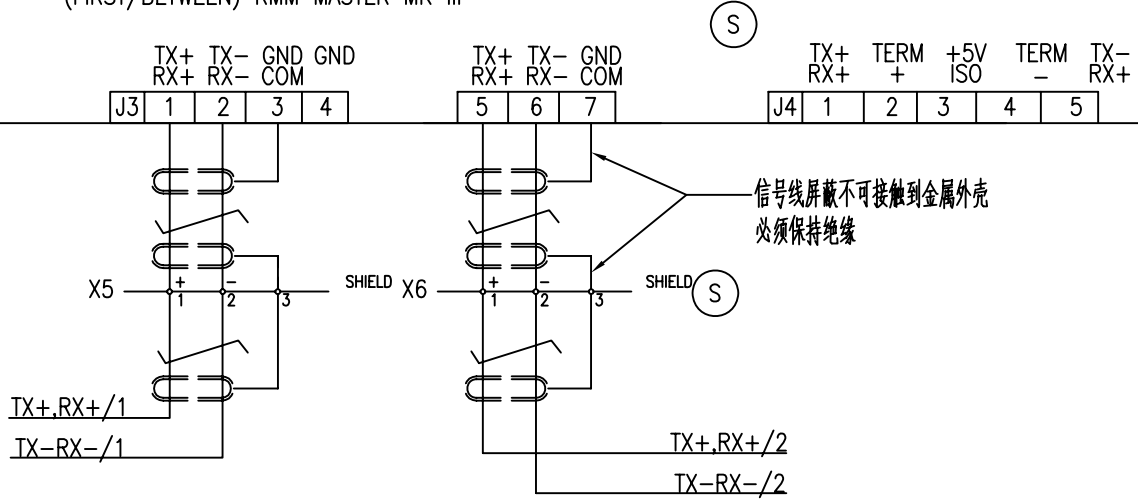


NO.3 REEFER CONTAINER F.P.
(CONNECTION DIAGRAM)

3EL
2-9

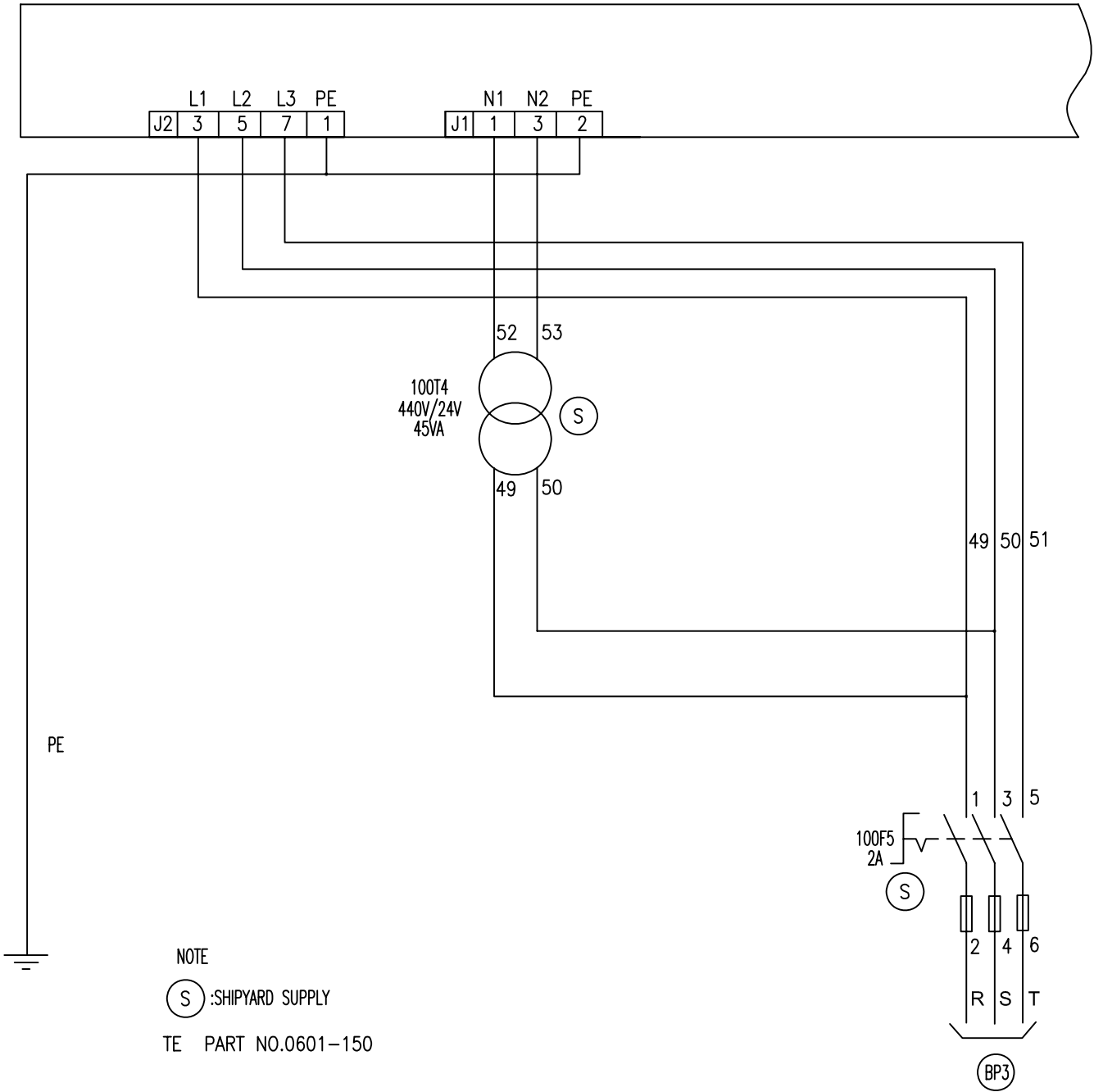
A B C D E F G H I

(FIRST/BETWEEN) RMM MASTER MK III



RS485 NETWORK IN GOING TO 4RCP

RS485 NETWORK OUT GOING FROM 2RCP



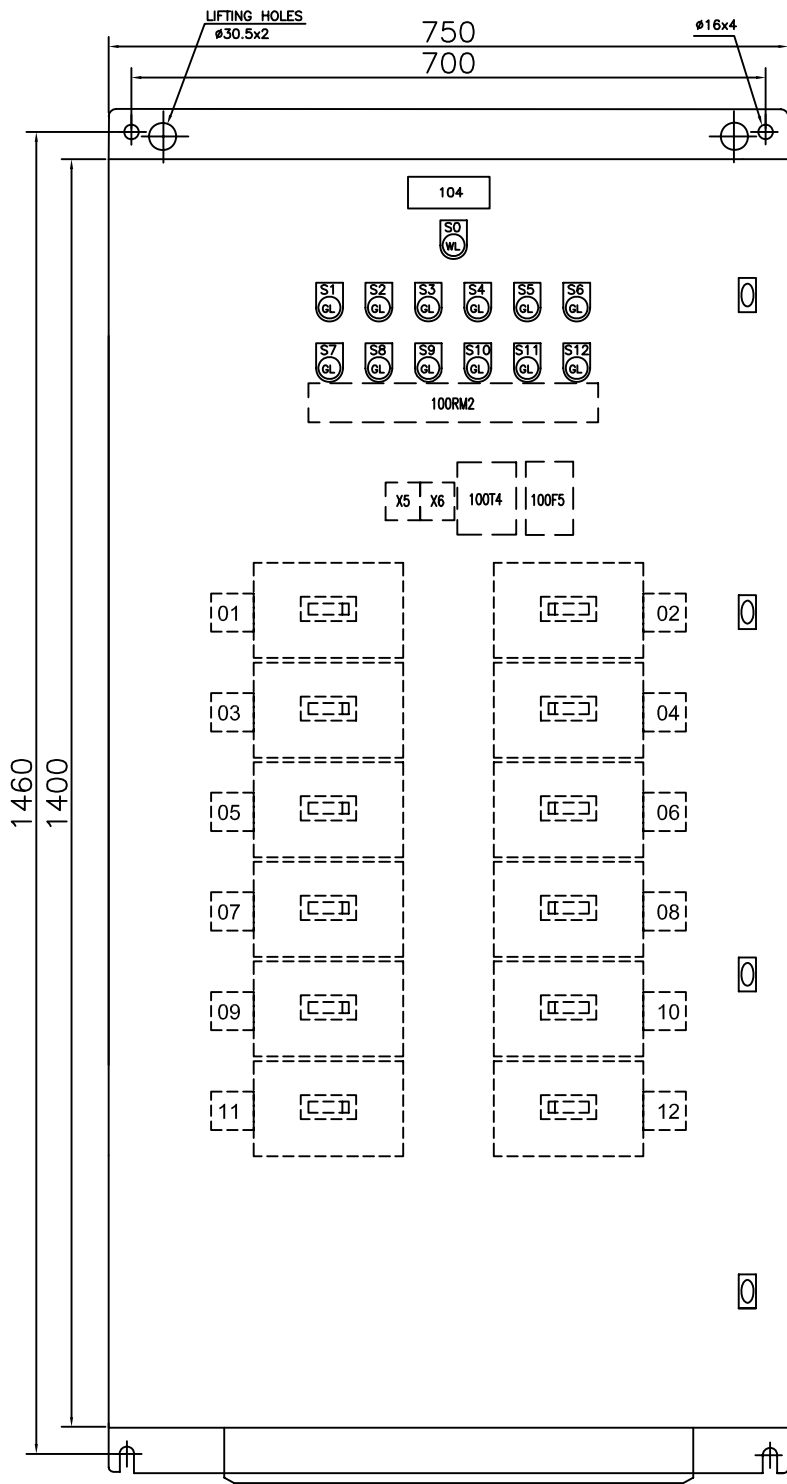
NOTE
 (S) : SHIPYARD SUPPLY
 TE PART NO.0601-150



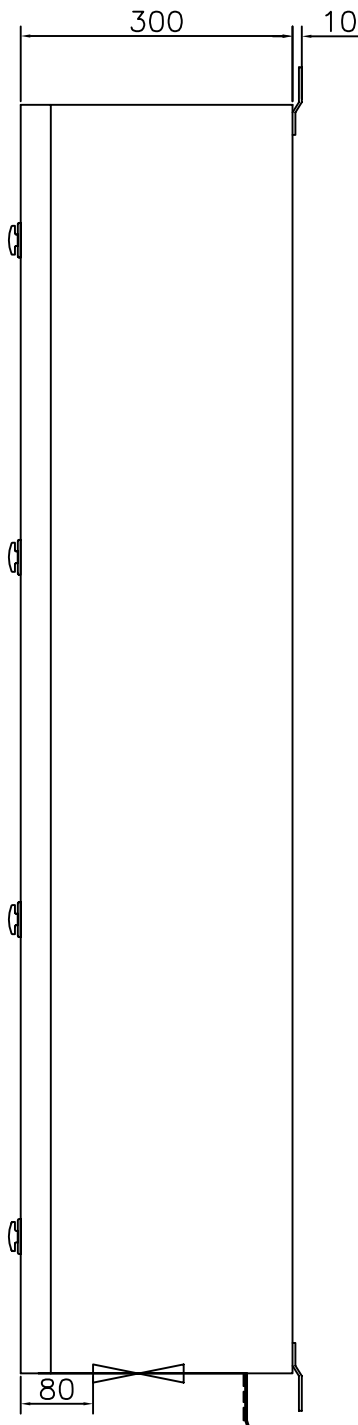
NO.3 REEFER CONTAINER F.P.
 (CONNECTION DIAGRAM)

3EL
 2-10

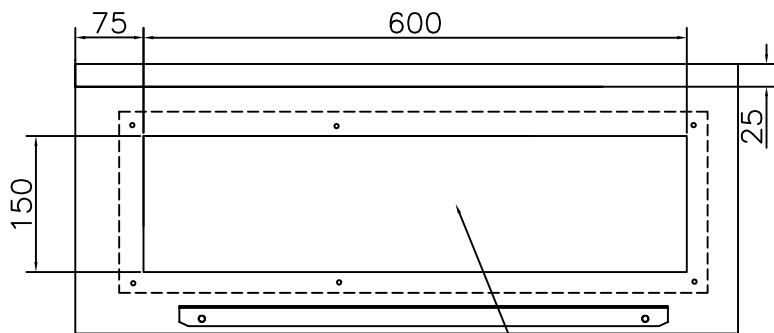
A B C D E F G H I



FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

REMOVABLE BAKELITE PLATE

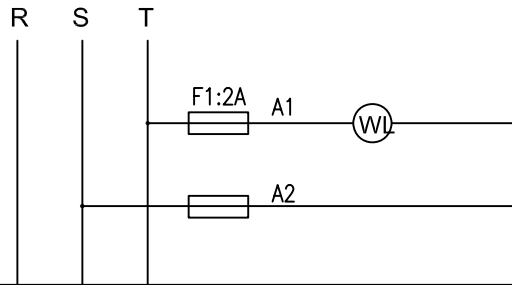
NOTE:
 ENCLOSURE TYPE: IP22
 COLOR: 7.5BG7/2
 BREAKER TYPE: TL-100F
 INSTALLATION: FC

BREAKER TYPE: TL-100F

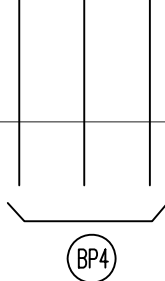
SOURCE AC440V 60Hz 3 φ
(FROM MSB NO.1 440V F.P.)

CABLE
4 (3X95)

4RCP



<p>F2:2A</p>	<p>R 4 GANG R/C SOCKET. Fr. 97P(27 10 82),(27 08 82), (27 06 82),(27 04 82)</p>	<p>01 R S T</p>	<p>02 R S T</p>	<p>4 GANG R/C SOCKET. Fr. 97P(27 10 84),(27 08 84), (27 06 84),(27 04 84)</p>	<p>F3:2A</p>
3X25 TL-100F/75A 3P		TL-100F/75A 3P		3X25	
<p>F4:2A</p>	<p>R 3 GANG R/C SOCKET. Fr. 97M(27 02 82),(27 00 82), (27 01 82)</p>	<p>03 R S T</p>	<p>04 R S T</p>	<p>3 GANG R/C SOCKET. Fr. 97M(27 02 84),(27 00 84), (27 01 84)</p>	<p>F5:2A</p>
3X16 TL-100F/60A 3P		TL-100F/60A 3P		3X16	
<p>F6:2A</p>	<p>R 4 GANG R/C SOCKET. Fr. 97S(27 03 82),(27 05 82), (27 07 82),(27 09 82)</p>	<p>05 R S T</p>	<p>06 R S T</p>	<p>4 GANG R/C SOCKET. Fr. 97S(27 03 84),(27 05 84), (27 07 84),(27 09 84)</p>	<p>F7:2A</p>
3X25 TL-100F/75A 3P		TL-100F/75A 3P		3X25	
<p>F8:2A</p>	<p>R 4 GANG R/C SOCKET. Fr. 91P(31 10 82),(31 08 82), (31 06 82),(31 04 82)</p>	<p>07 R S T</p>	<p>08 R S T</p>	<p>4 GANG R/C SOCKET. Fr. 91P(31 10 84),(31 08 84), (31 06 84),(31 04 84)</p>	<p>F9:2A</p>
3X25 TL-100F/75A 3P		TL-100F/75A 3P		3X25	
<p>F10:2A</p>	<p>R 3 GANG R/C SOCKET. Fr. 97M(31 02 82),(31 00 82), (31 01 82)</p>	<p>09 R S T</p>	<p>10 R S T</p>	<p>3 GANG R/C SOCKET. Fr. 97M(31 02 84),(31 00 84), (31 01 84)</p>	<p>F11:2A</p>
3X16 TL-100F/60A 3P		TL-100F/60A 3P		3X16	
<p>F12:2A</p>	<p>R 4 GANG R/C SOCKET. Fr. 91S(31 03 82),(31 05 82), (31 07 82),(31 09 82)</p>	<p>11 R S T</p>	<p>12 R S T</p>	<p>4 GANG R/C SOCKET. Fr. 91S(31 03 84),(31 05 84), (31 07 84),(31 09 84)</p>	<p>F13:2A</p>
3X25 TL-100F/75A 3P		TL-100F/75A 3P		3X25	

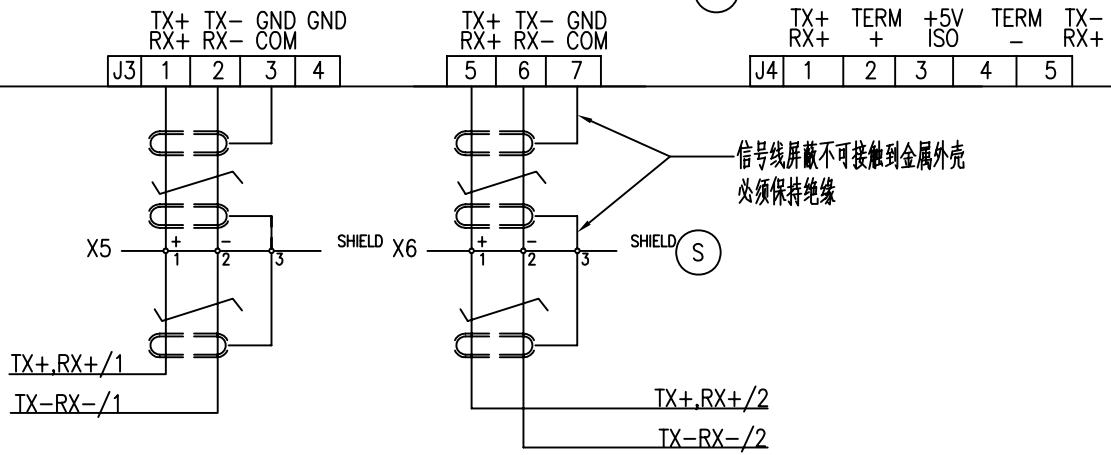


NO.4 REEFER CONTAINER F.P.
(CONNECTION DIAGRAM)

4EL
2-12

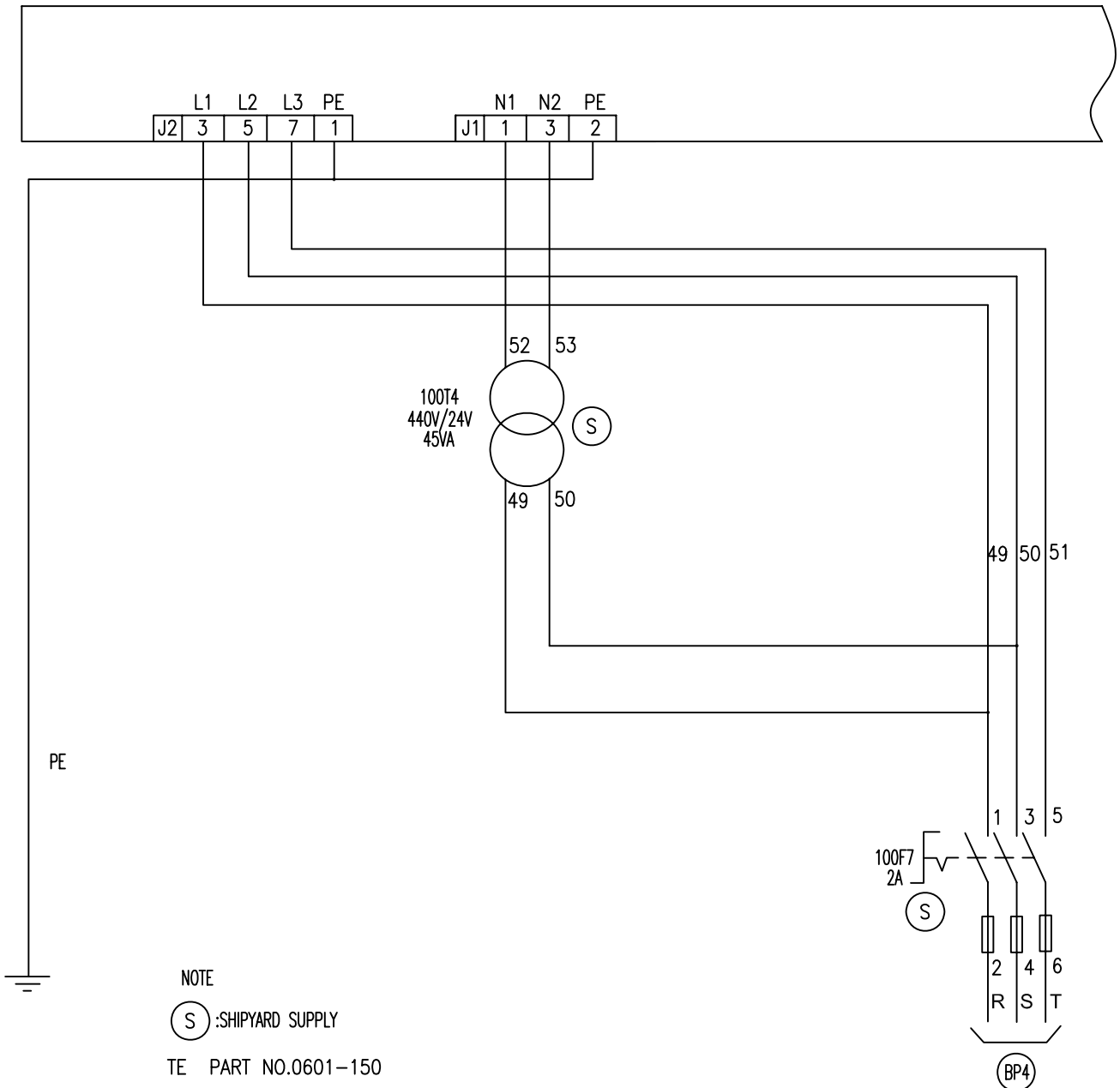
A B C D E F G H I

(FIRST/BETWEEN) RMM MASTER MK III



RS485 NETWORK IN GOING TO 5RCP

RS485 NETWORK OUT GOING FROM 3RCP

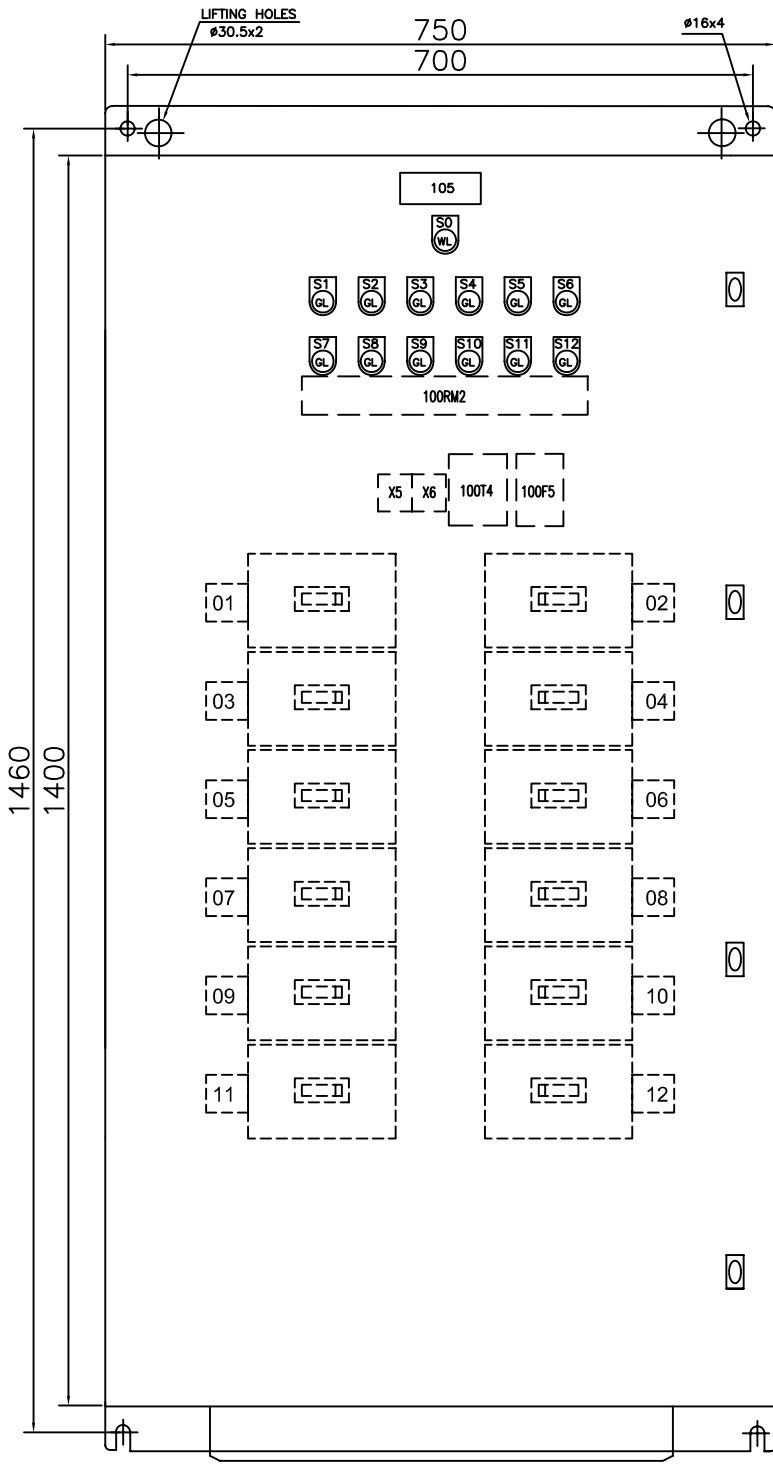


NOTE

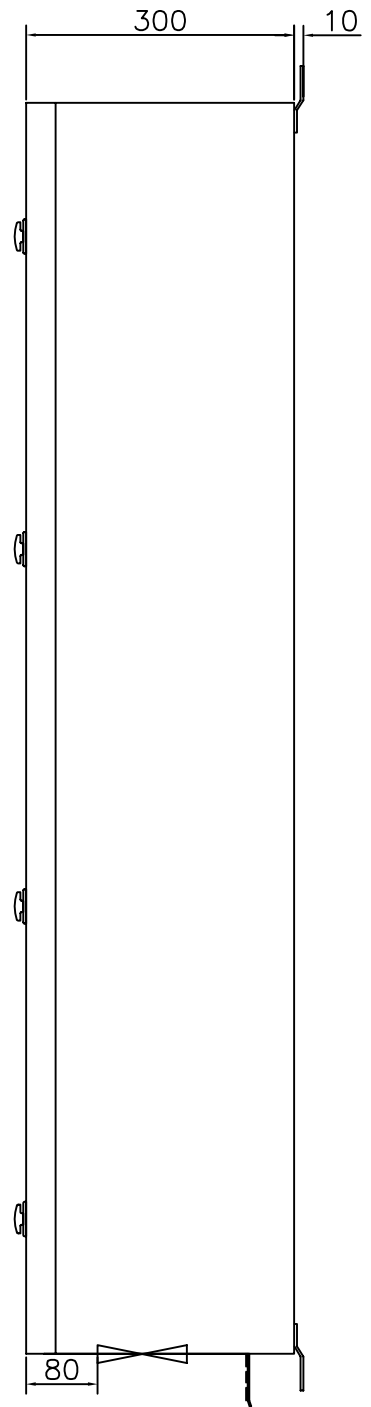
(S) :SHIPYARD SUPPLY

TE PART NO.0601-150

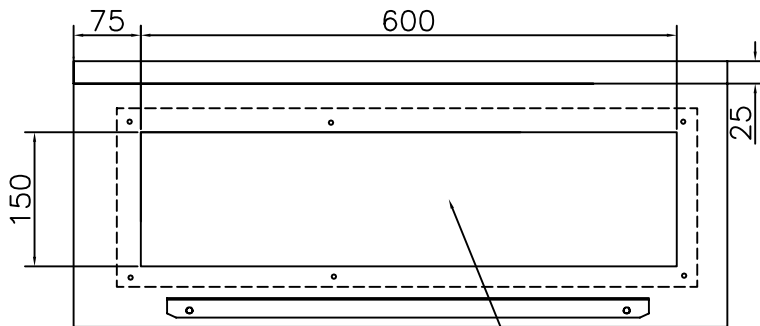




FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

REMOVABLE BAKELITE PLATE

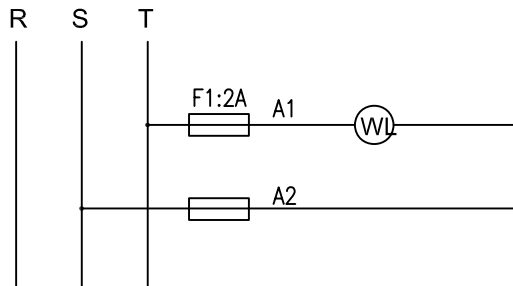
NOTE:
 ENCLOSURE TYPE: IP22
 COLOR: 7.5BG7/2
 BREAKER TYPE: TL-100F
 INSTALLATION: FC

BREAKER TYPE: TL-100F

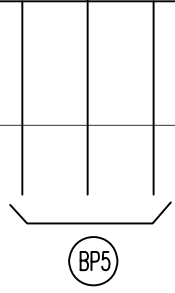
SOURCE AC440V 60Hz 3φ
(FROM MSB NO.1 440V F. P.)

CABLE
4 (3X95)

5RCP



<p>F2:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 85P(35 10 82),(35 08 82), (35 06 82),(35 04 82)</p>	<p>01</p> <p>R</p> <p>S</p> <p>T</p>	<p>02</p> <p>R</p> <p>S</p> <p>T</p>	<p>F3:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 85P(35 10 84),(35 08 84), (35 06 84),(35 04 84)</p>
3X25		TL-100F/75A 3P		TL-100F/75A 3P	
<p>F4:2A</p>	<p>R</p> <p>3 GANG R/C SOCKET. Fr. 84M(35 02 82),(35 00 82), (35 01 82)</p>	<p>03</p> <p>R</p> <p>S</p> <p>T</p>	<p>04</p> <p>R</p> <p>S</p> <p>T</p>	<p>F5:2A</p>	<p>R</p> <p>3 GANG R/C SOCKET. Fr. 85M(35 02 84),(35 00 84), (35 01 84)</p>
3X16		TL-100F/60A 3P		TL-100F/60A 3P	
<p>F6:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 85S(35 03 82),(35 05 82), (35 07 82),(35 09 82)</p>	<p>05</p> <p>R</p> <p>S</p> <p>T</p>	<p>06</p> <p>R</p> <p>S</p> <p>T</p>	<p>F7:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 85S(35 03 84),(35 05 84), (35 07 84),(35 09 84)</p>
3X25		TL-100F/75A 3P		TL-100F/75A 3P	
<p>F8:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 79P(39 10 82),(39 08 82), (39 06 82),(39 04 82)</p>	<p>07</p> <p>R</p> <p>S</p> <p>T</p>	<p>08</p> <p>R</p> <p>S</p> <p>T</p>	<p>F9:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 79P(39 10 84),(39 08 84), (39 06 84),(39 04 84)</p>
3X25		TL-100F/75A 3P		TL-100F/75A 3P	
<p>F10:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 79M(39 02 82),(39 00 82), (39 01 82)</p>	<p>09</p> <p>R</p> <p>S</p> <p>T</p>	<p>10</p> <p>R</p> <p>S</p> <p>T</p>	<p>F11:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 79M(39 02 84),(39 00 84), (39 01 84)</p>
3X16		TL-100F/60A 3P		TL-100F/60A 3P	
<p>F12:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 79S(39 03 82),(39 05 82), (39 07 82),(39 09 82)</p>	<p>11</p> <p>R</p> <p>S</p> <p>T</p>	<p>12</p> <p>R</p> <p>S</p> <p>T</p>	<p>F13:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 79S(39 03 84),(39 05 84), (39 07 84),(39 09 84)</p>
3X25		TL-100F/75A 3P		TL-100F/75A 3P	

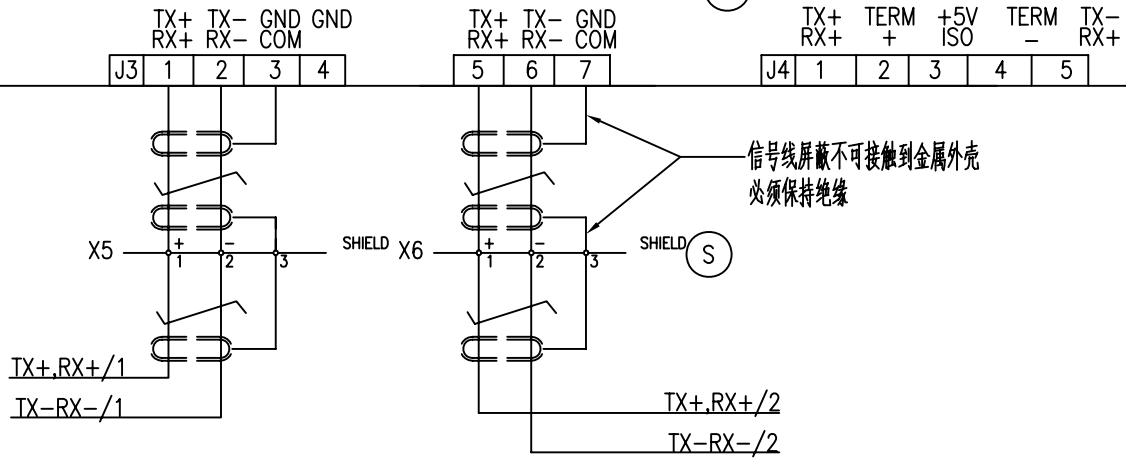


NO.5 REEFER CONTAINER F.P.
(CONNECTION DIAGRAM)

5EL
2-15

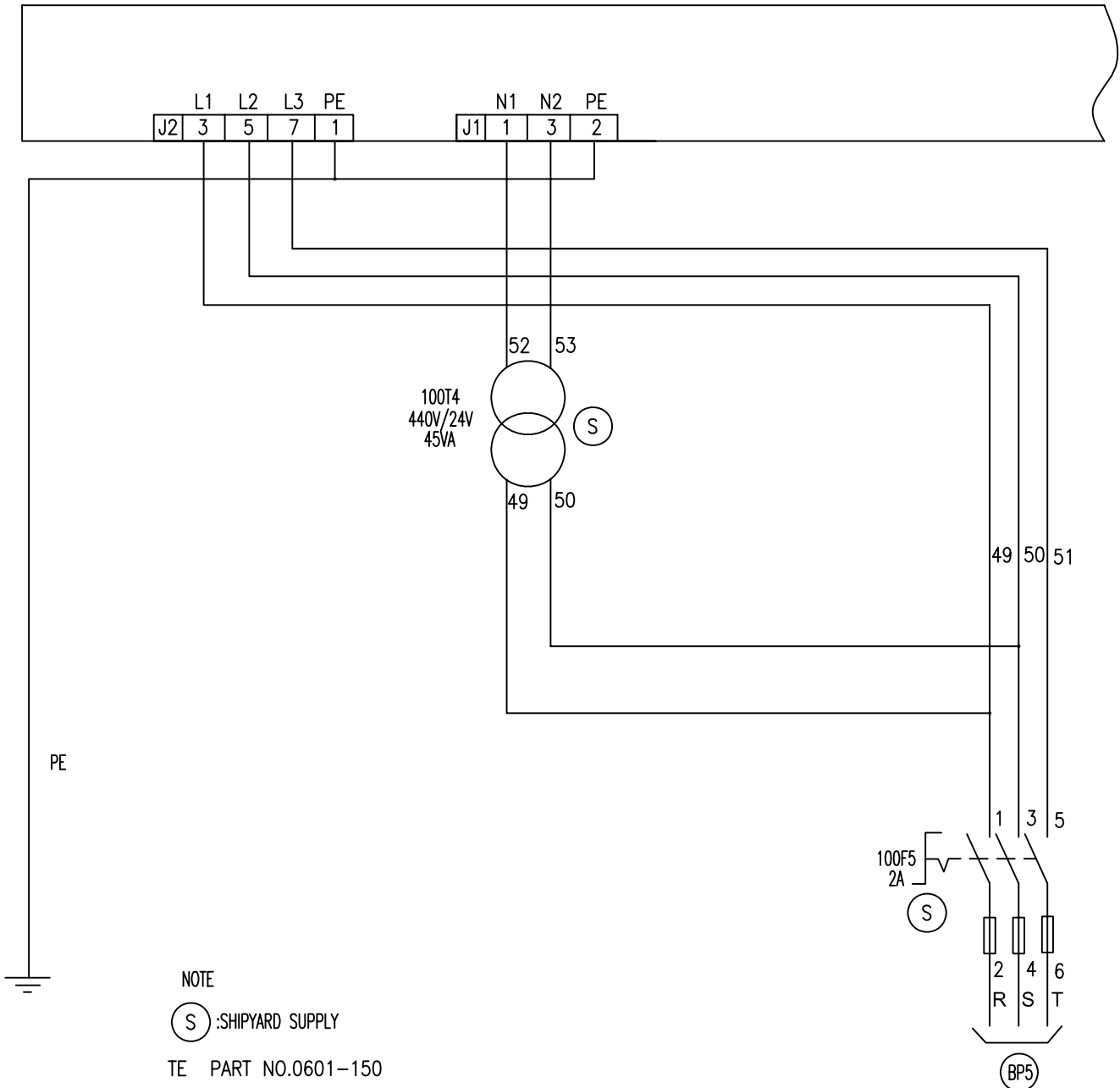
A B C D E F G H I

(FIRST/BETWEEN) RMM MASTER MK III



RS485 NETWORK IN GOING TO 6RCP

RS485 NETWORK OUT GOING FROM 4RCP

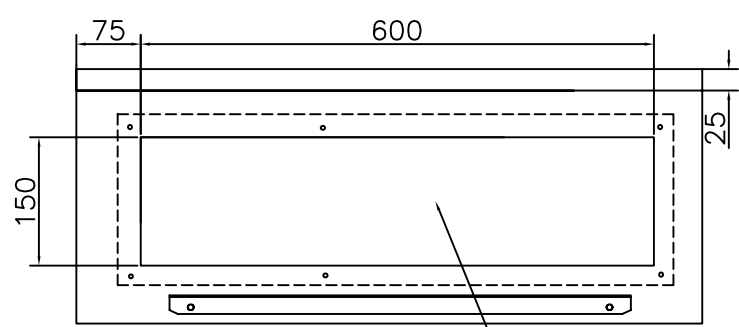
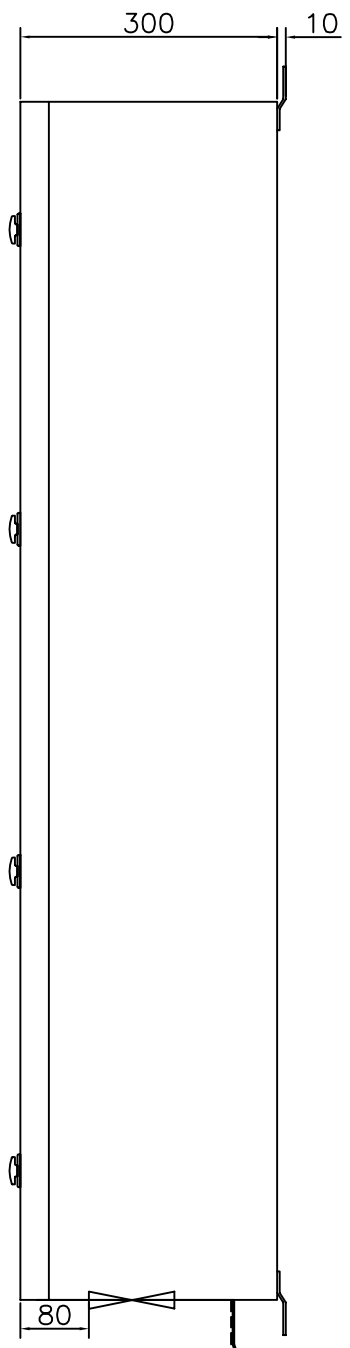
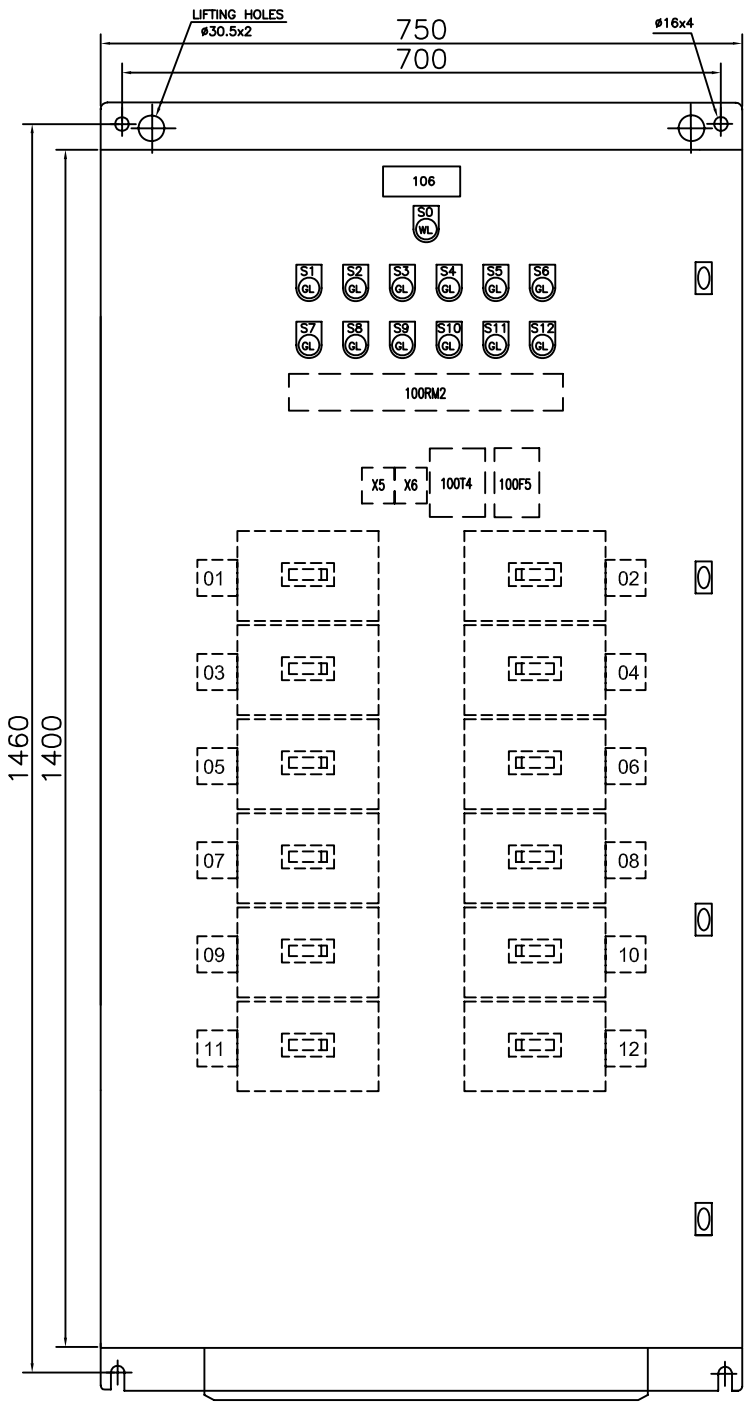


NOTE

(S) : SHIPYARD SUPPLY

TE PART NO.0601-150





REMOVABLE BAKELITE PLATE

NOTE:
 ENCLOSURE TYPE: IP22
 COLOR:7.5BG7/2
 BREAKER TYPE:TL-100F
 INSTALLATION:FC

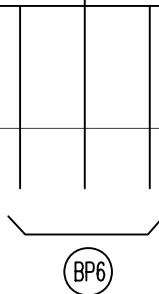
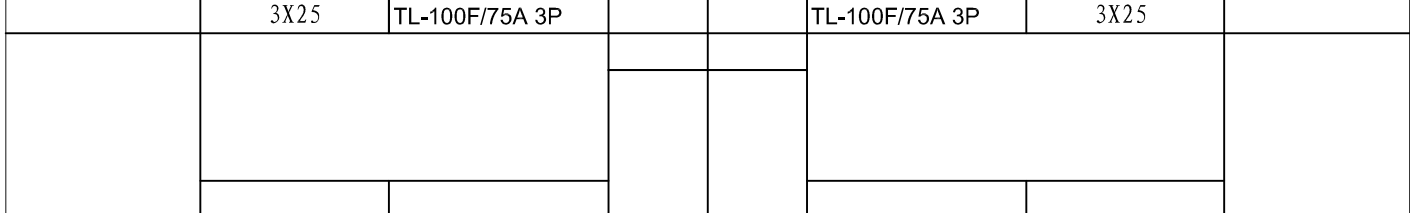
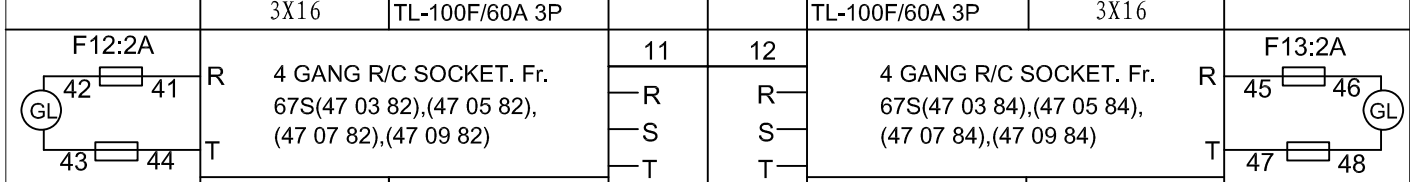
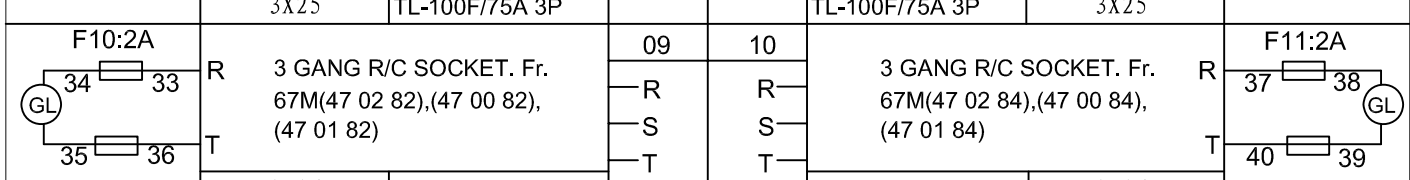
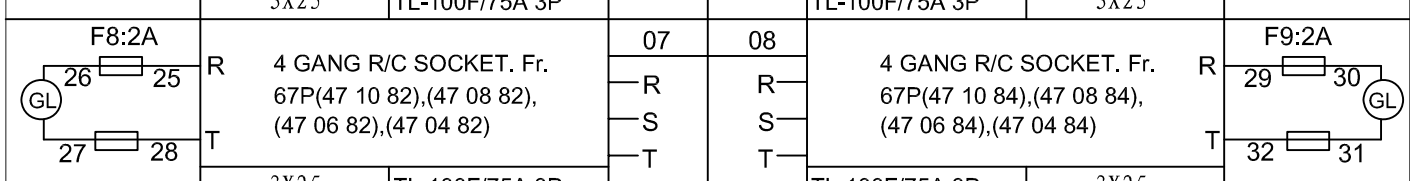
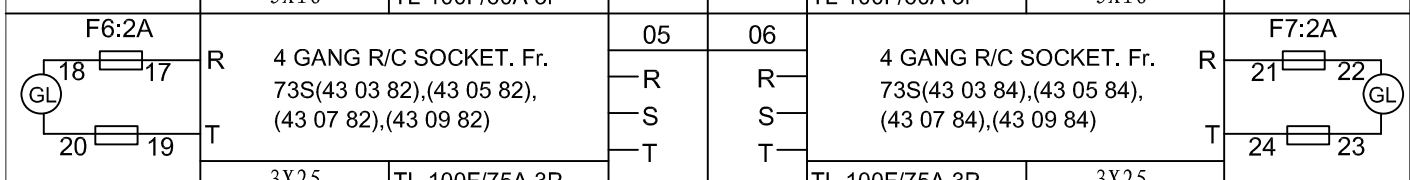
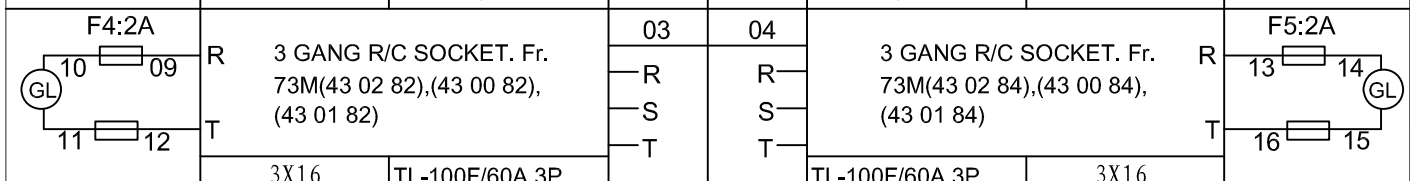
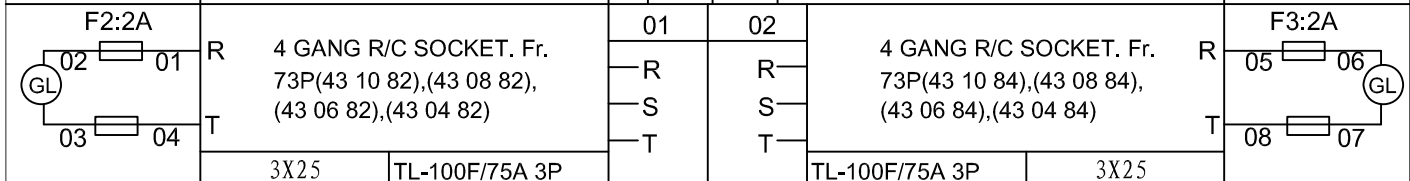
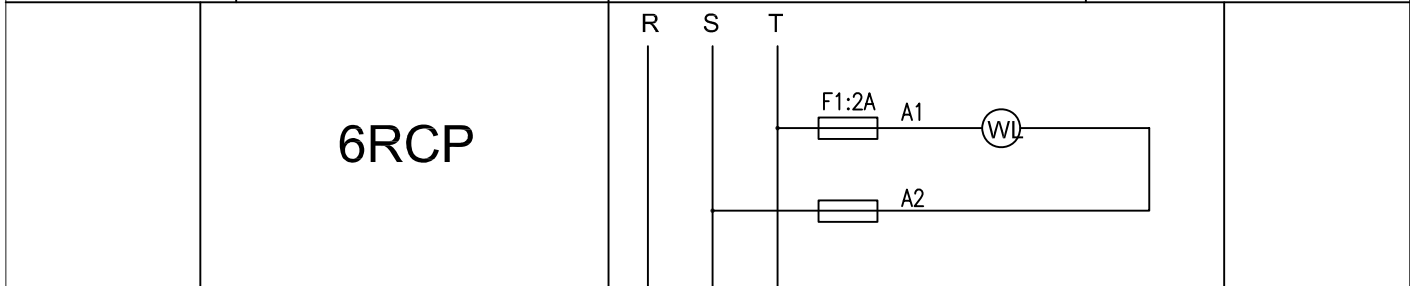
A	B	C	D	E	F	G	H	I
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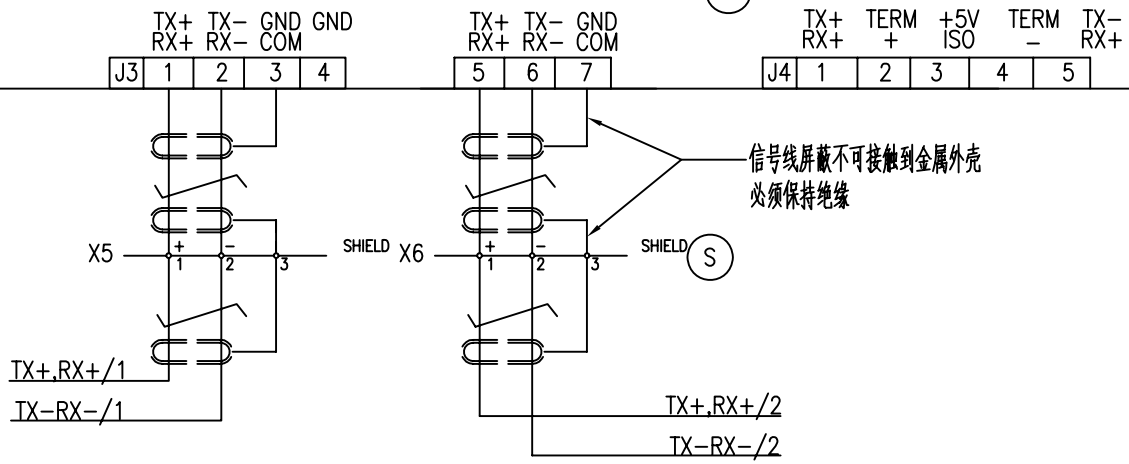
NO.6 REEFER CONTAINER F.P.
 (OUTLINE VIEW)

6EL
2-17

BREAKER TYPE: TL-100F	SOURCE AC440V 60Hz 3φ (FROM MSB NO. 2 440V F. P.)	CABLE 4 (3X95)
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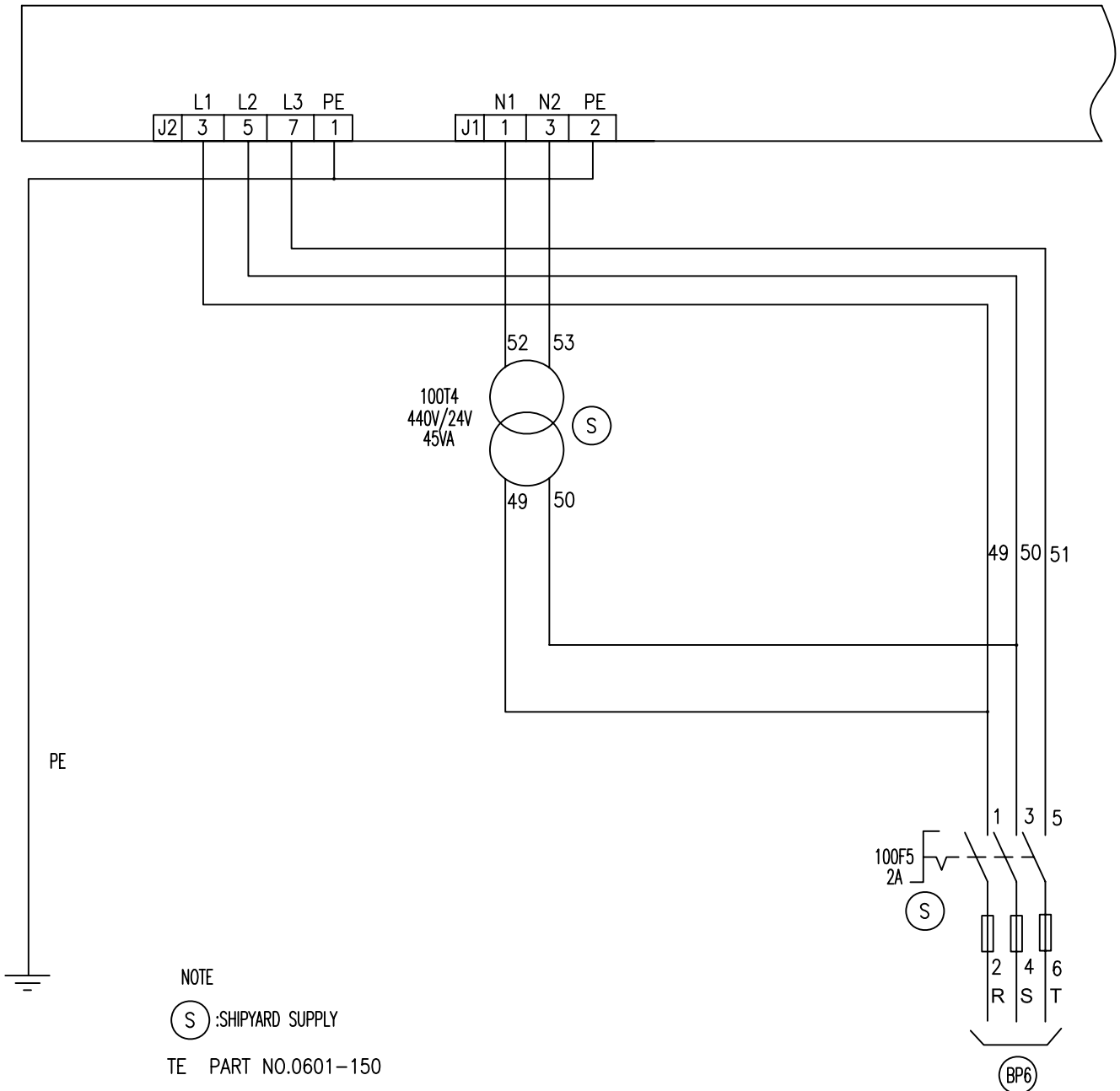


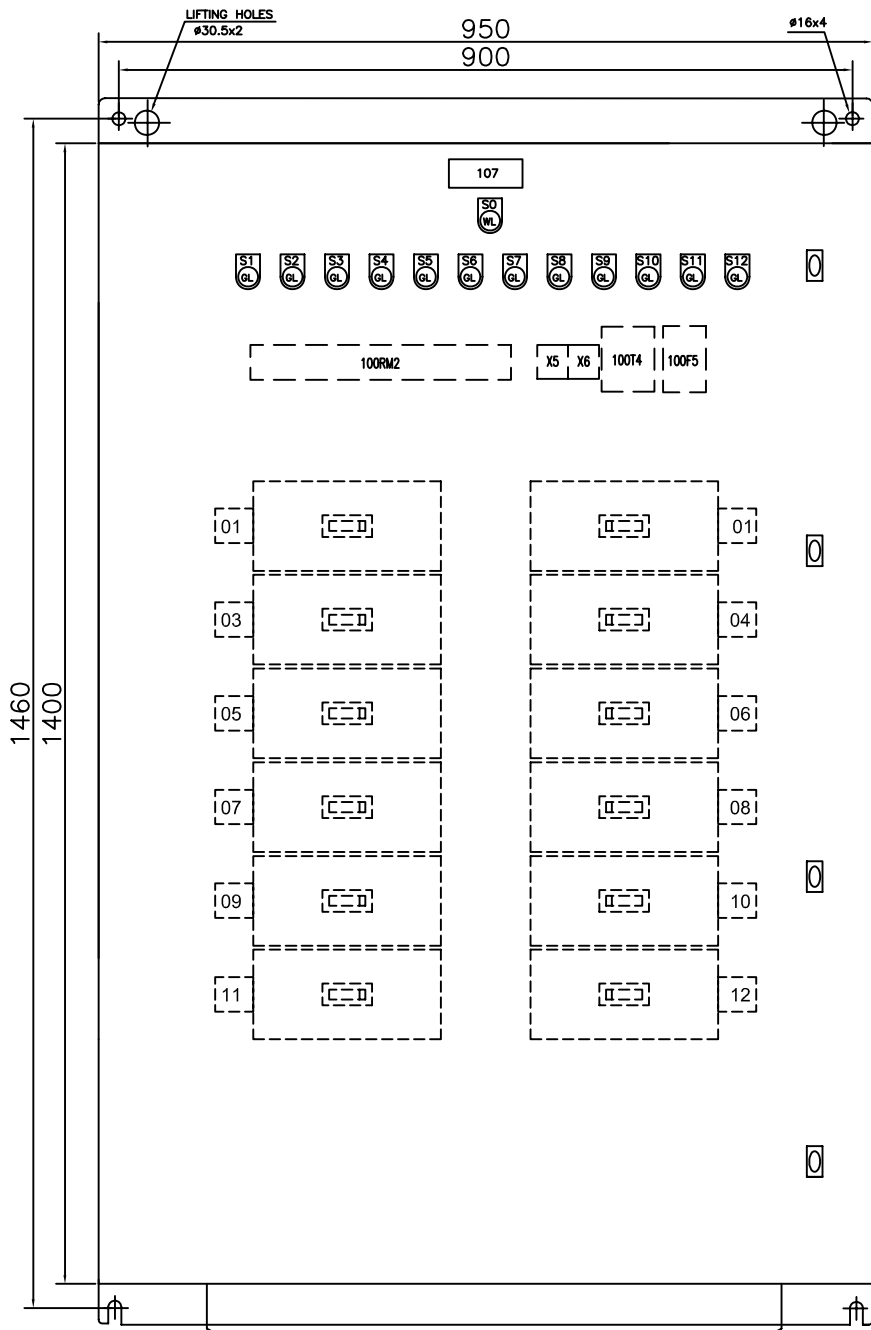
(FIRST/BETWEEN) RMM MASTER MK III



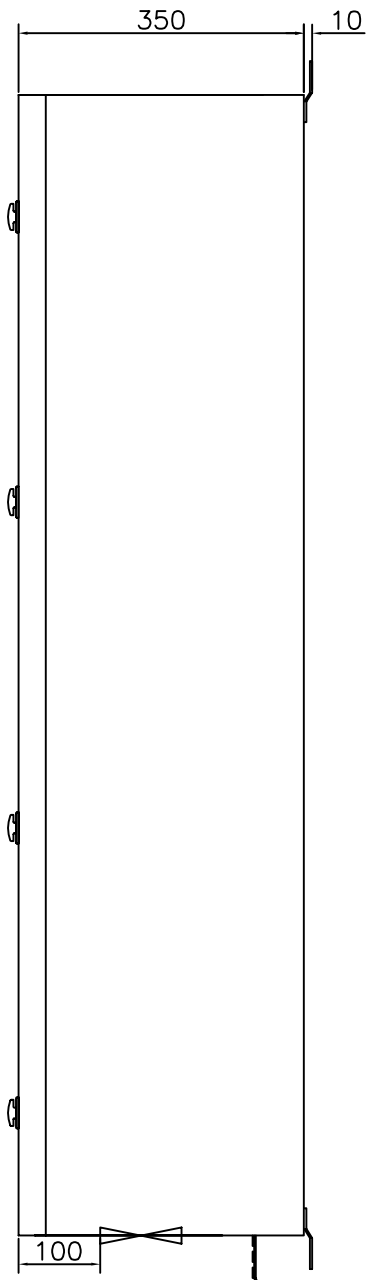
RS485 NETWORK IN GOING TO 7RCP

RS485 NETWORK OUT GOING FROM 5RCP

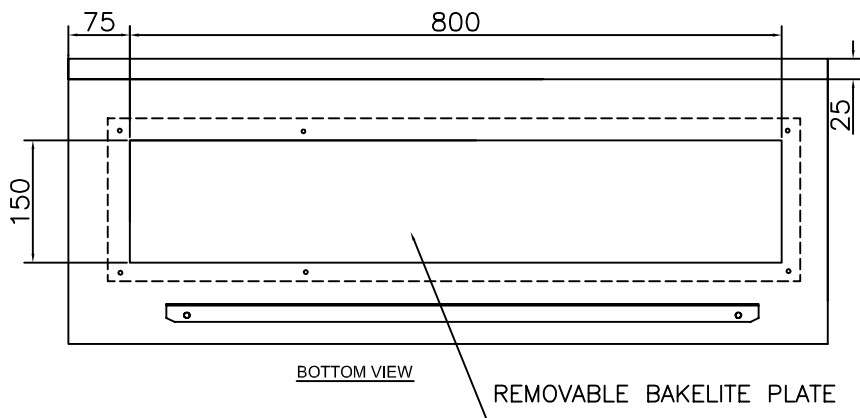




FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

REMOVABLE BAKELITE PLATE

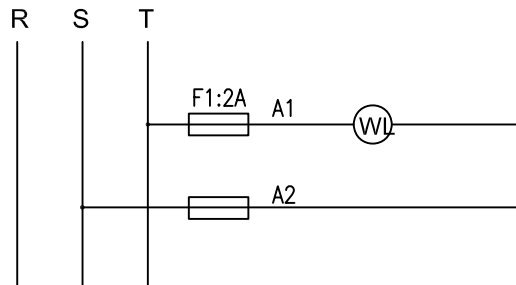
NOTE:
 ENCLOSURE TYPE: IP22
 COLOR: 7.5BG7/2
 BREAKER TYPE: TL-100C
 INSTALLATION: FC

BREAKER TYPE: TL-100C

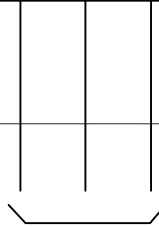
SOURCE AC440V 60Hz 3φ
(FROM MSB NO. 1 440V F. P.)

CABLE
4 (3X95)

7RCP



<p>F2:2A</p>	<p>R</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 61P(51 10 82),(51 08 82), (51 06 82),(51 04 82)</p>	<p>01</p> <p>R</p> <p>S</p> <p>T</p>	<p>02</p> <p>R</p> <p>S</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 61P(51 10 84),(51 08 84), (51 06 84),(51 04 84)</p>	<p>R</p> <p>T</p>	<p>F3:2A</p>
		3X25 TL-100C/75A 3P			TL-100C/75A 3P 3X25		
<p>F4:2A</p>	<p>R</p> <p>T</p>	<p>3 GANG R/C SOCKET. Fr. 61M(51 02 82),(51 00 82), (51 01 82)</p>	<p>03</p> <p>R</p> <p>S</p> <p>T</p>	<p>04</p> <p>R</p> <p>S</p> <p>T</p>	<p>3 GANG R/C SOCKET. Fr. 61M(51 02 84),(51 00 84), (51 01 84)</p>	<p>R</p> <p>T</p>	<p>F5:2A</p>
		3X16 TL-100C/60A 3P			TL-100C/60A 3P 3X16		
<p>F6:2A</p>	<p>R</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 61S(51 03 82),(51 05 82), (51 07 82),(51 09 82)</p>	<p>05</p> <p>R</p> <p>S</p> <p>T</p>	<p>06</p> <p>R</p> <p>S</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 61S(51 03 84),(51 05 84), (51 07 84),(51 09 84)</p>	<p>R</p> <p>T</p>	<p>F7:2A</p>
		3X25 TL-100C/75A 3P			TL-100C/75A 3P 3X25		
<p>F8:2A</p>	<p>R</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 55P(55 10 82),(55 08 82), (55 06 82),(55 04 82)</p>	<p>07</p> <p>R</p> <p>S</p> <p>T</p>	<p>08</p> <p>R</p> <p>S</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 55P(55 10 84),(55 08 84), (55 06 84),(55 04 84)</p>	<p>R</p> <p>T</p>	<p>F9:2A</p>
		3X25 TL-100C/75A 3P			TL-100C/75A 3P 3X25		
<p>F10:2A</p>	<p>R</p> <p>T</p>	<p>3 GANG R/C SOCKET. Fr. 55M(55 02 82),(55 00 82), (55 01 82)</p>	<p>09</p> <p>R</p> <p>S</p> <p>T</p>	<p>10</p> <p>R</p> <p>S</p> <p>T</p>	<p>3 GANG R/C SOCKET. Fr. 55M(55 02 84),(55 00 84), (55 01 84)</p>	<p>R</p> <p>T</p>	<p>F11:2A</p>
		3X16 TL-100C/60A 3P			TL-100C/60A 3P 3X16		
<p>F12:2A</p>	<p>R</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 55S(55 03 82),(55 05 82), (55 07 82),(55 09 82)</p>	<p>11</p> <p>R</p> <p>S</p> <p>T</p>	<p>12</p> <p>R</p> <p>S</p> <p>T</p>	<p>4 GANG R/C SOCKET. Fr. 55S(55 03 84),(55 05 84), (55 07 84),(55 09 84)</p>	<p>R</p> <p>T</p>	<p>F13:2A</p>
		3X25 TL-100C/75A 3P			TL-100C/75A 3P 3X25		



BP7

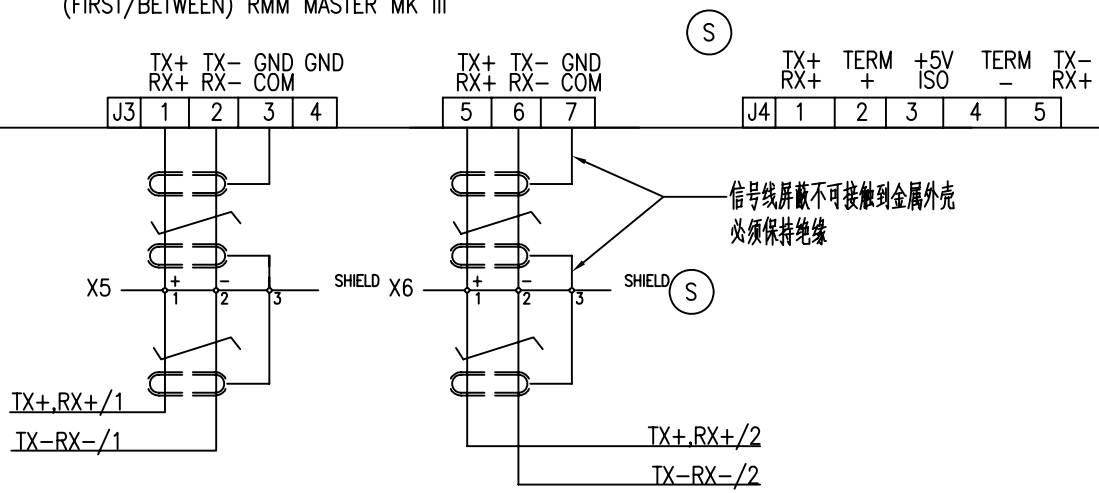


NO.7 REEFER CONTAINER F.P.
(CONNECTION DIAGRAM)

7EL
2-21

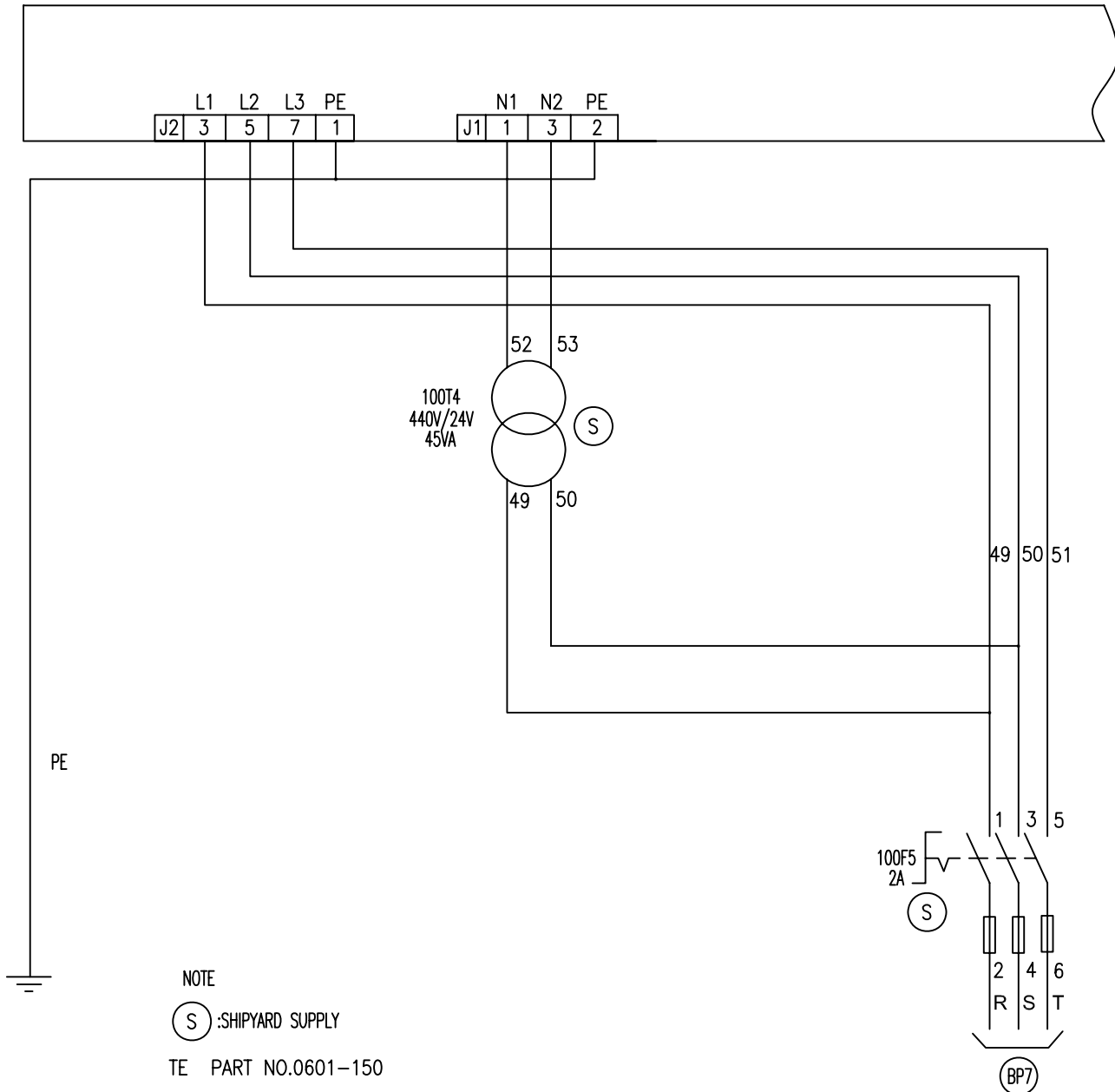
A B C D E F G H I

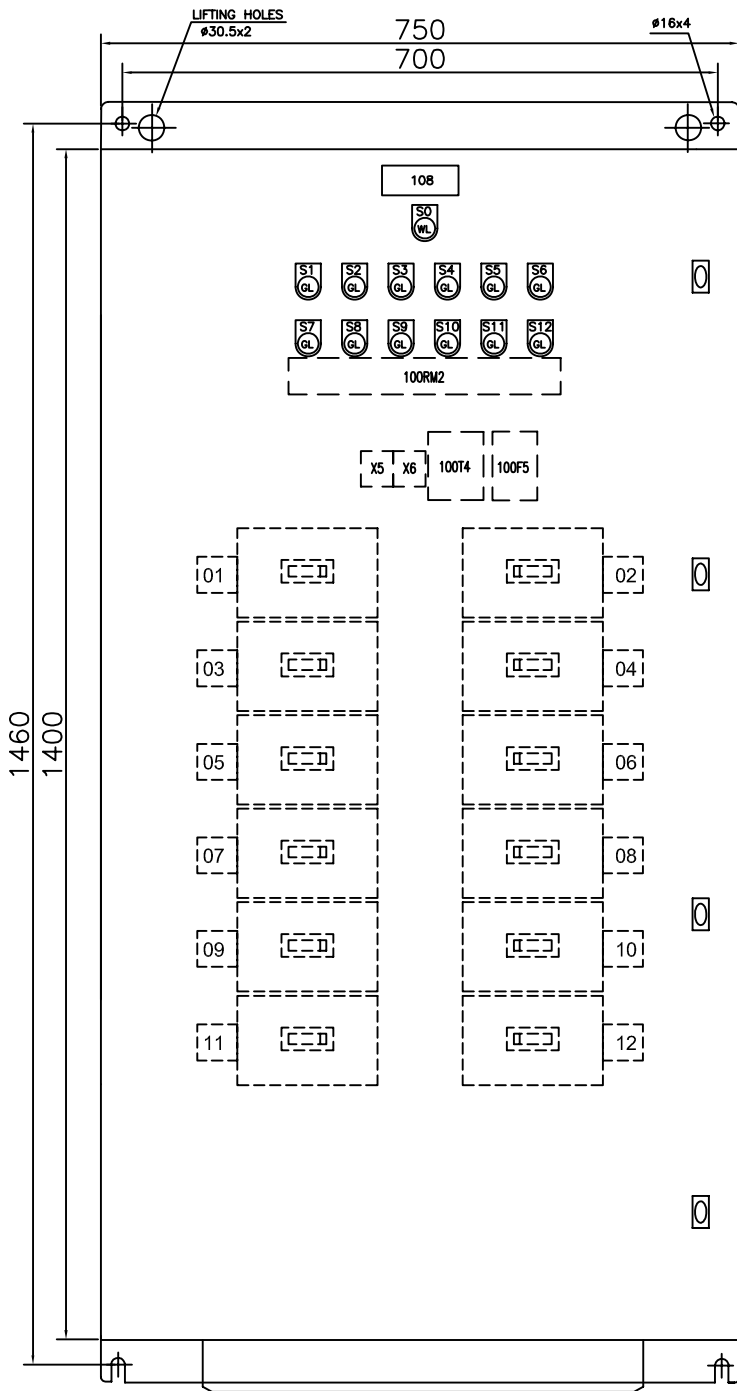
(FIRST/BETWEEN) RMM MASTER MK III



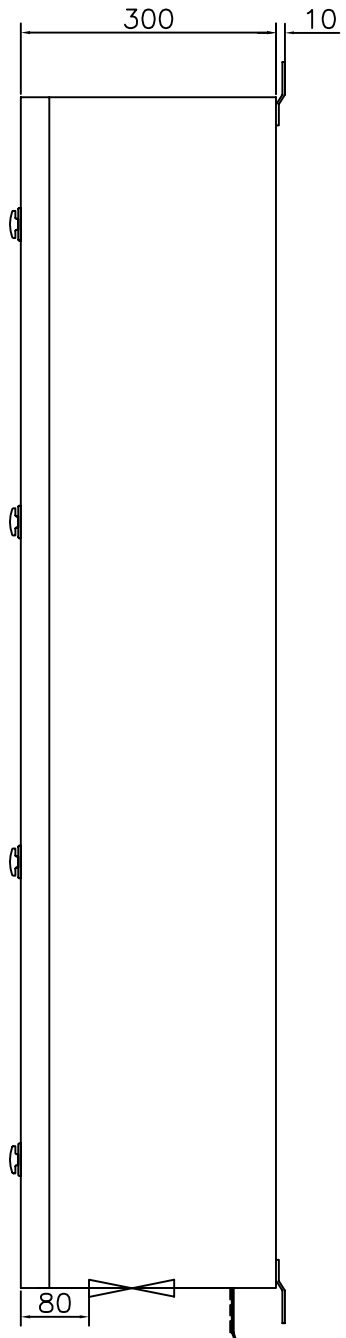
RS485 NETWORK IN GOING TO 8RCP

RS485 NETWORK OUT GOING FROM 6RCP

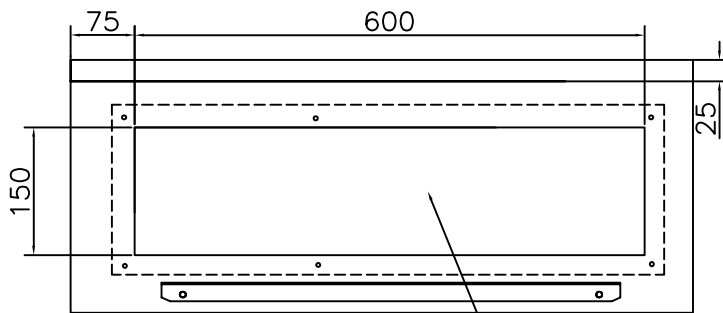




FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

REMOVABLE BAKELITE PLATE

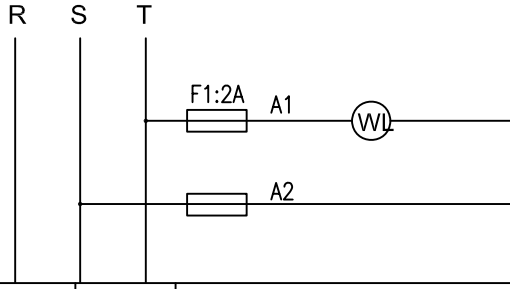
NOTE:
 ENCLOSURE TYPE: IP22
 COLOR:7.5BG7/2
 BREAKER TYPE:TL-100F
 INSTALLATION:FC

BREAKER TYPE: TL-100F

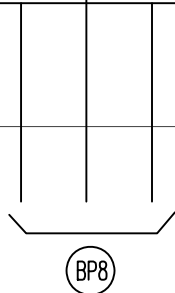
SOURCE AC440V 60Hz 3 φ
(FROM MSB NO. 2 440V F. P.)

CABLE
4 (3X95)

8RCP



<p>F2:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 27P(59 10 82),(59 08 82), (59 06 82),(59 04 82)</p>	<p>01</p> <p>R</p> <p>S</p> <p>T</p>	<p>02</p> <p>R</p> <p>S</p> <p>T</p>	<p>F3:2A</p>	
3X25 TL-100F/75A 3P		TL-100F/75A 3P		3X25	
<p>F4:2A</p>	<p>R</p> <p>3 GANG R/C SOCKET. Fr. 27M(59 02 82),(59 00 82), (59 01 82)</p>	<p>03</p> <p>R</p> <p>S</p> <p>T</p>	<p>04</p> <p>R</p> <p>S</p> <p>T</p>	<p>F5:2A</p>	
3X16 TL-100F/60A 3P		TL-100F/60A 3P		3X16	
<p>F6:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 27S(59 03 82),(59 05 82), (59 07 82),(59 09 82)</p>	<p>05</p> <p>R</p> <p>S</p> <p>T</p>	<p>06</p> <p>R</p> <p>S</p> <p>T</p>	<p>F7:2A</p>	
3X25 TL-100F/75A 3P		TL-100F/75A 3P		3X25	
<p>F8:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 21P(63 10 82),(63 08 82), (63 06 82),(63 04 82)</p>	<p>07</p> <p>R</p> <p>S</p> <p>T</p>	<p>08</p> <p>R</p> <p>S</p> <p>T</p>	<p>F9:2A</p>	
3X25 TL-100F/75A 3P		TL-100F/75A 3P		3X25	
<p>F10:2A</p>	<p>R</p> <p>3 GANG R/C SOCKET. Fr. 21M(63 02 82),(63 00 82), (63 01 82)</p>	<p>09</p> <p>R</p> <p>S</p> <p>T</p>	<p>10</p> <p>R</p> <p>S</p> <p>T</p>	<p>F11:2A</p>	
3X16 TL-100F/60A 3P		TL-100F/60A 3P		3X16	
<p>F12:2A</p>	<p>R</p> <p>4 GANG R/C SOCKET. Fr. 21S(63 03 82),(63 05 82), (63 07 82),(63 09 82)</p>	<p>11</p> <p>R</p> <p>S</p> <p>T</p>	<p>12</p> <p>R</p> <p>S</p> <p>T</p>	<p>F13:2A</p>	
3X25 TL-100F/75A 3P		TL-100F/75A 3P		3X25	

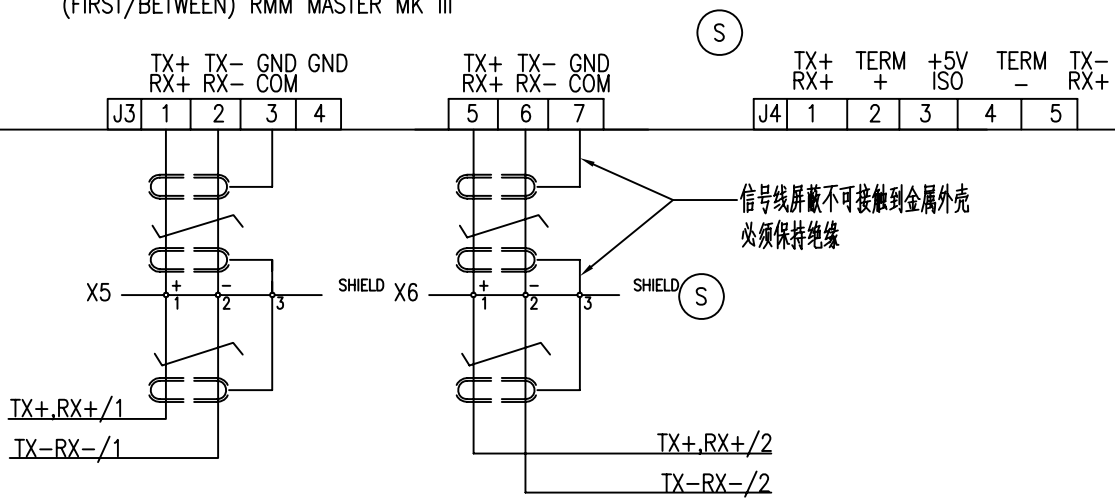


NO.8 REEFER CONTAINER F.P.
(CONNECTION DIAGRAM)

8EL
2-24

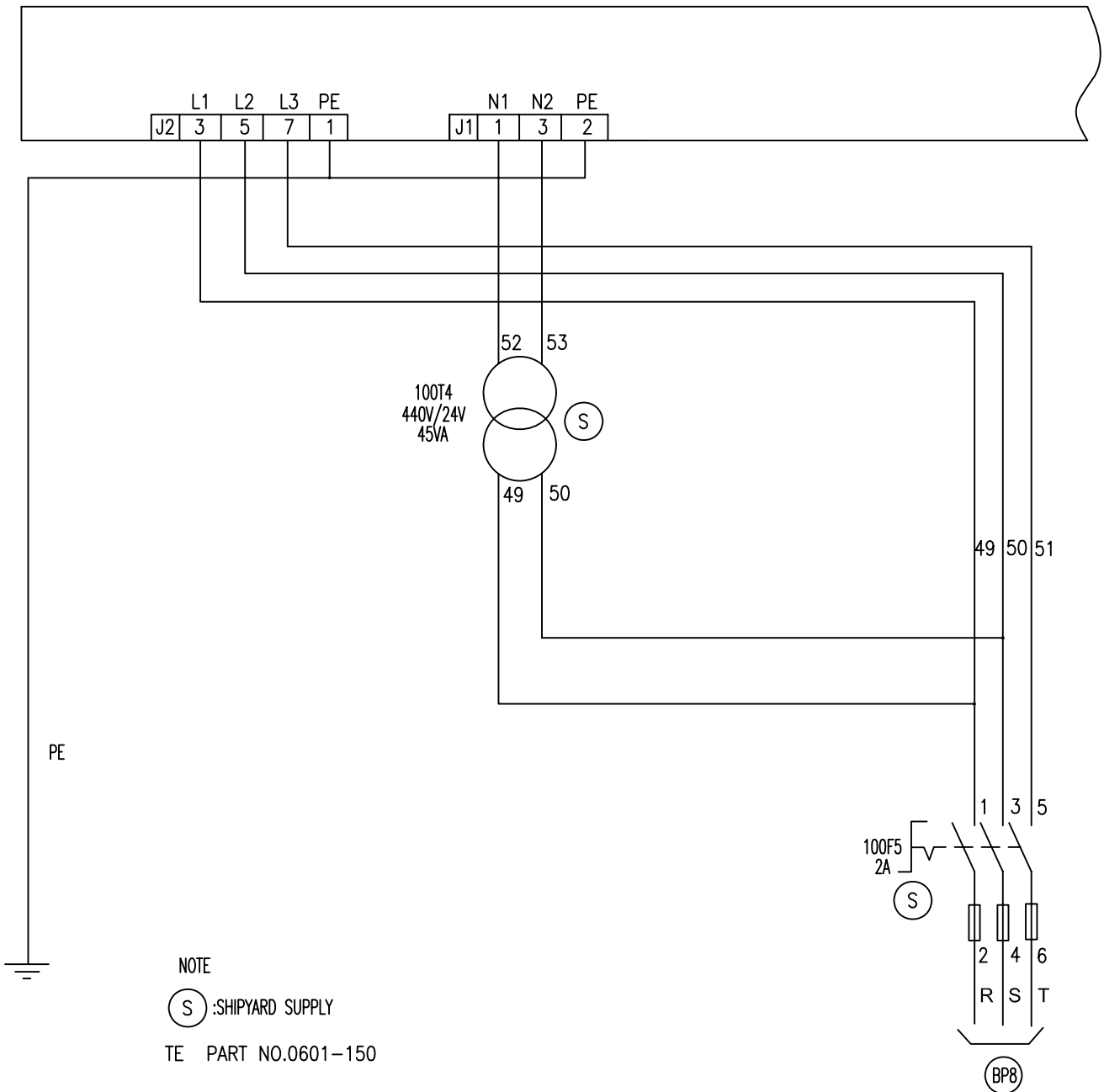
A B C D E F G H I

(FIRST/BETWEEN) RMM MASTER MK III



RS485 NETWORK IN GOING TO 9RCP

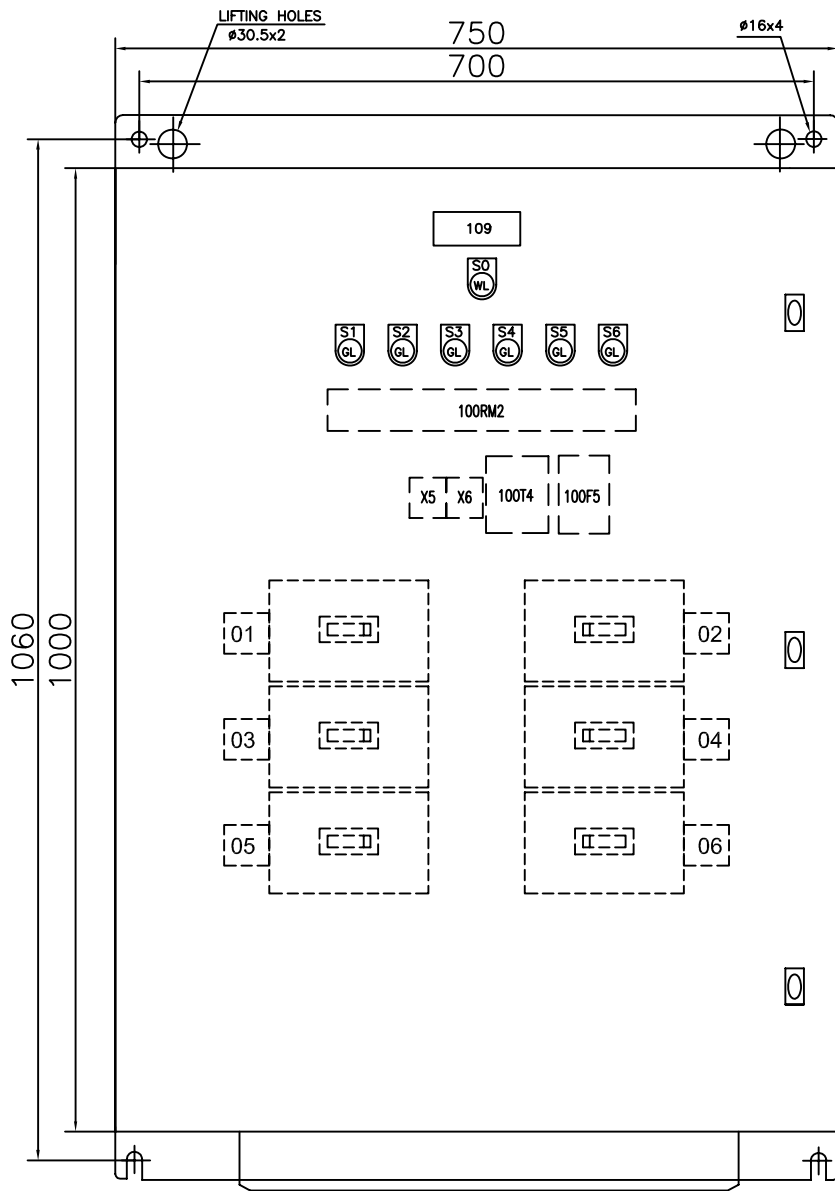
RS485 NETWORK OUT GOING FROM 7RCP



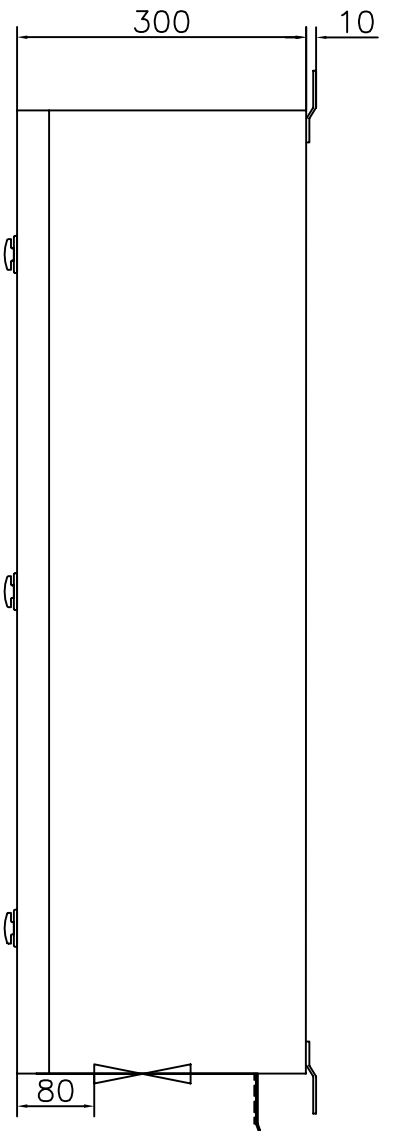
NOTE

(S) : SHIPYARD SUPPLY

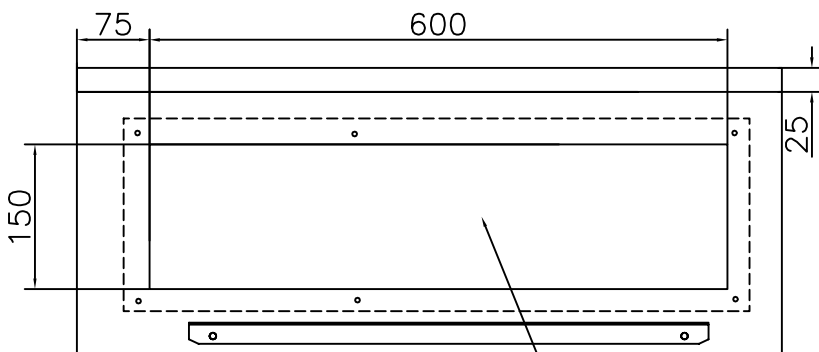
TE PART NO.0601-150



FRONT VIEW



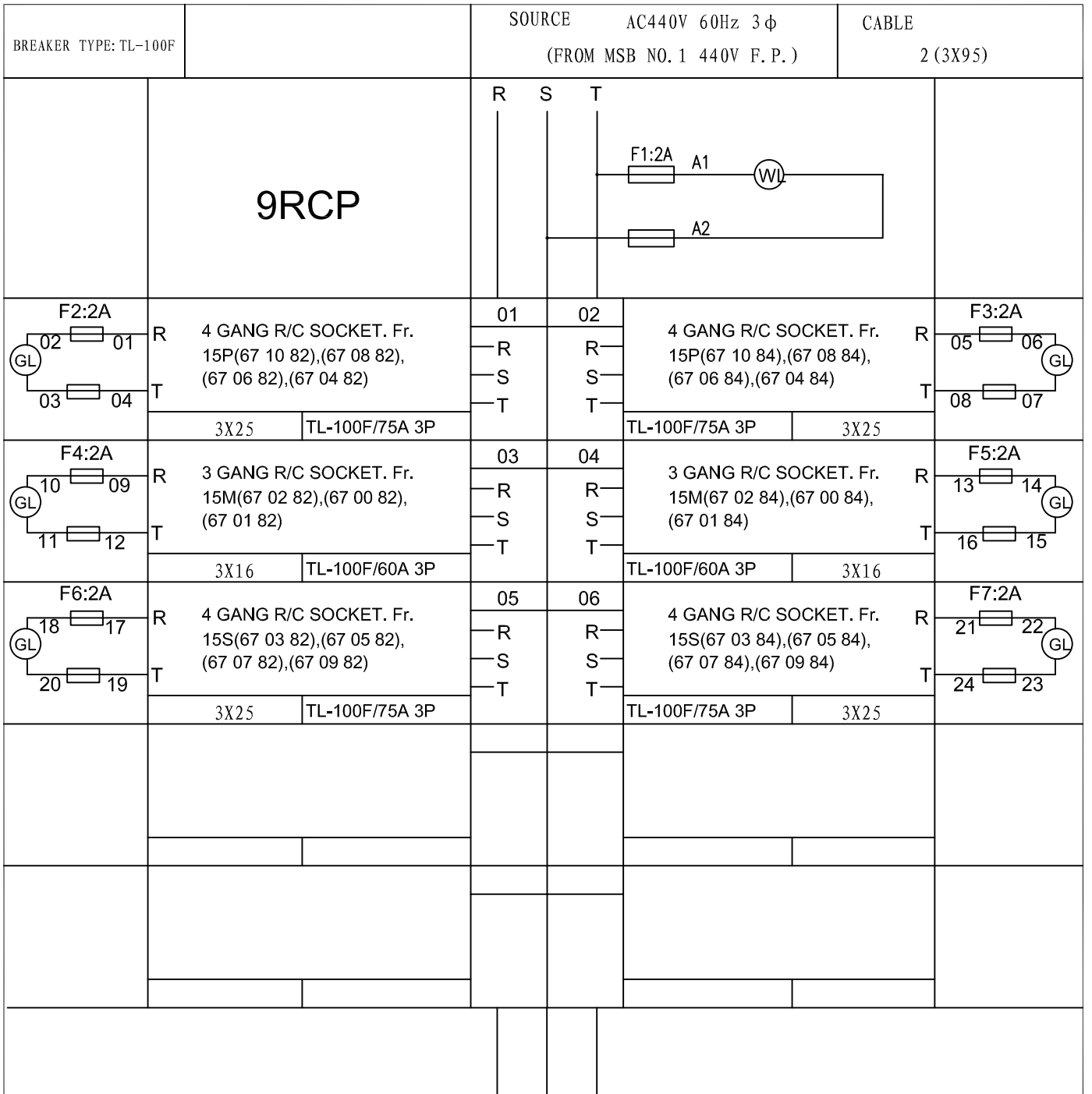
RIGHT VIEW



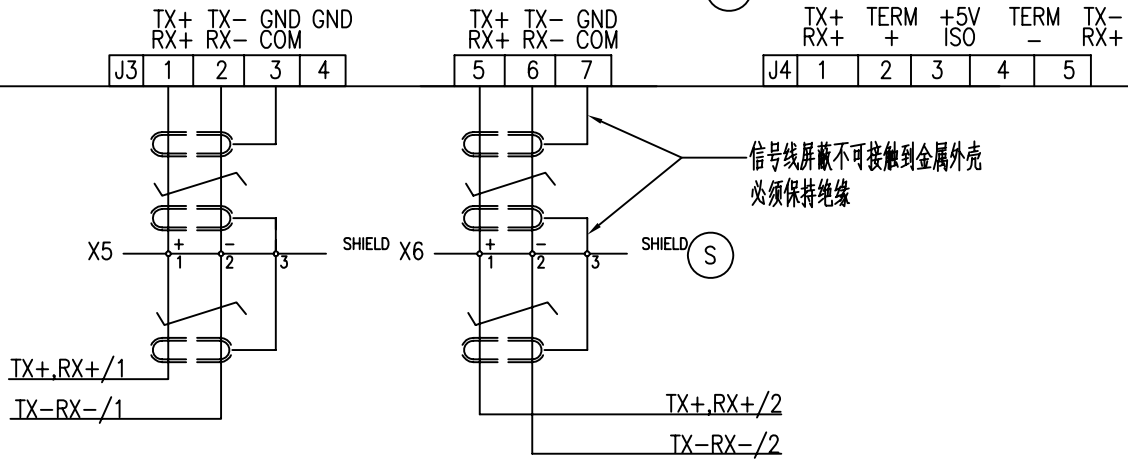
BOTTOM VIEW

REMOVABLE BAKELITE PLATE

NOTE:
 ENCLOSURE TYPE: IP22
 COLOR: 7.5BG7/2
 BREAKER TYPE: TL-100F
 INSTALLATION: FC

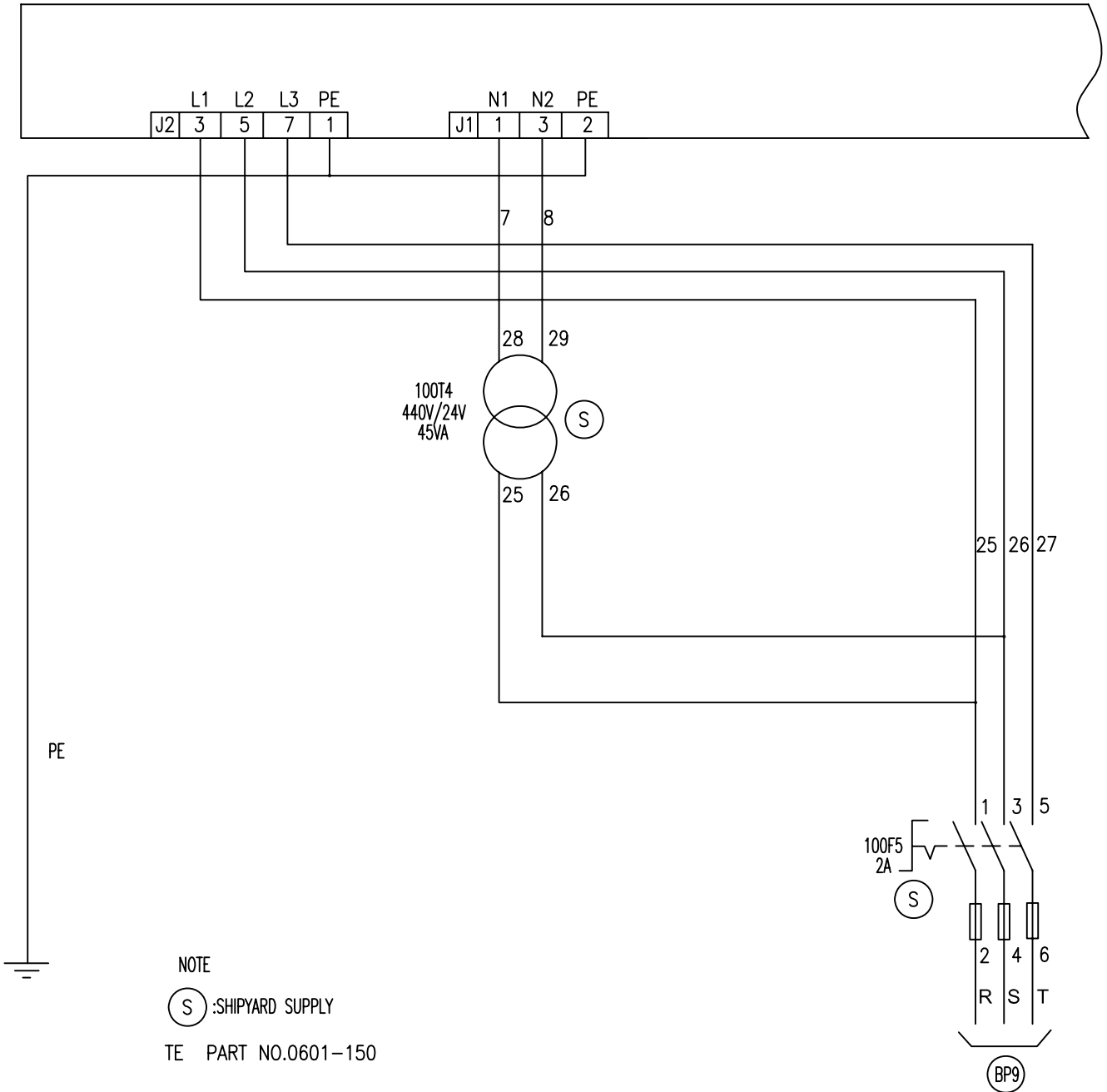


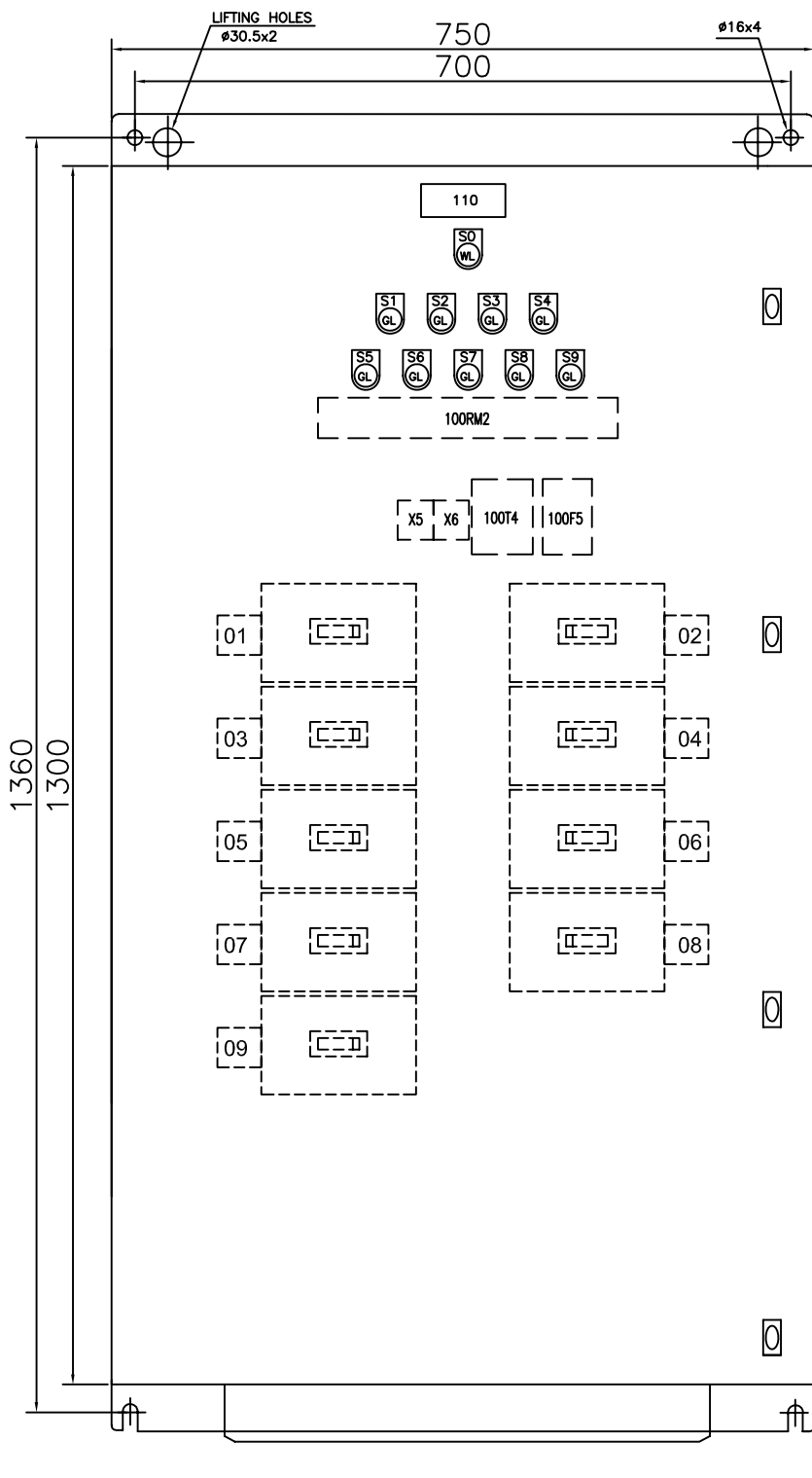
(FIRST/BETWEEN) RMM MASTER MK III



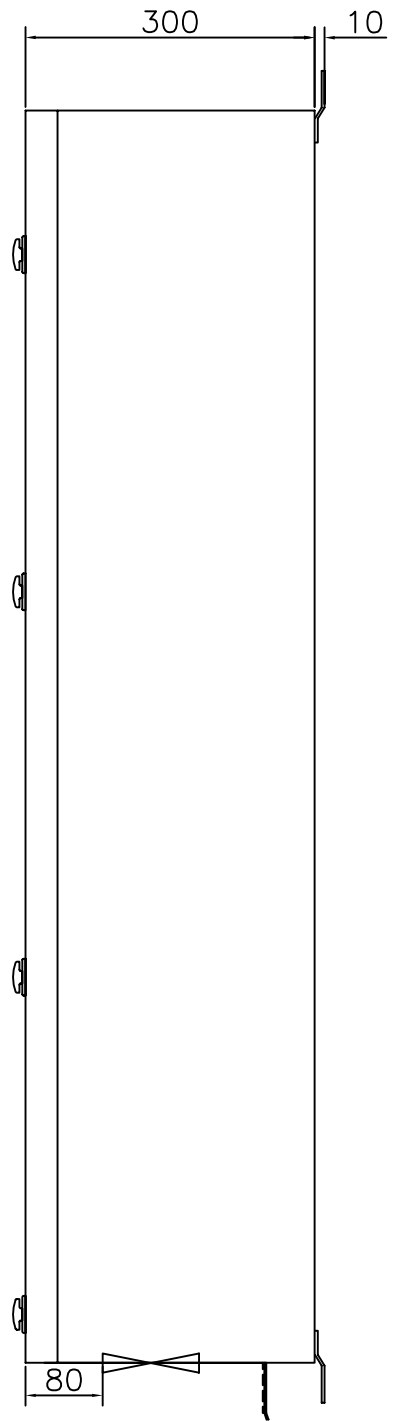
RS485 NETWORK IN GOING TO 10RCP

RS485 NETWORK OUT GOING FROM 8RCP

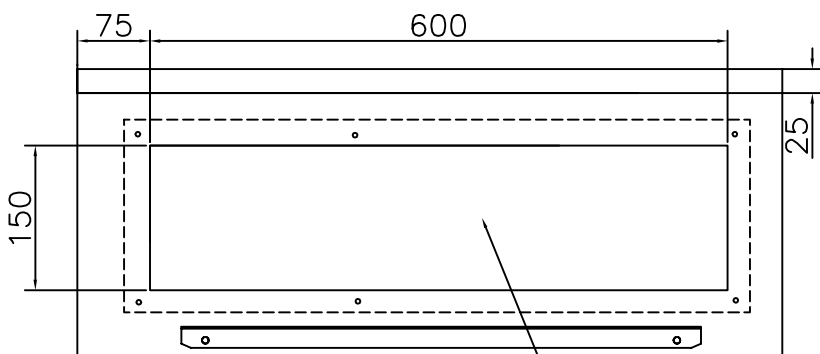




FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

REMOVABLE BAKELITE PLATE

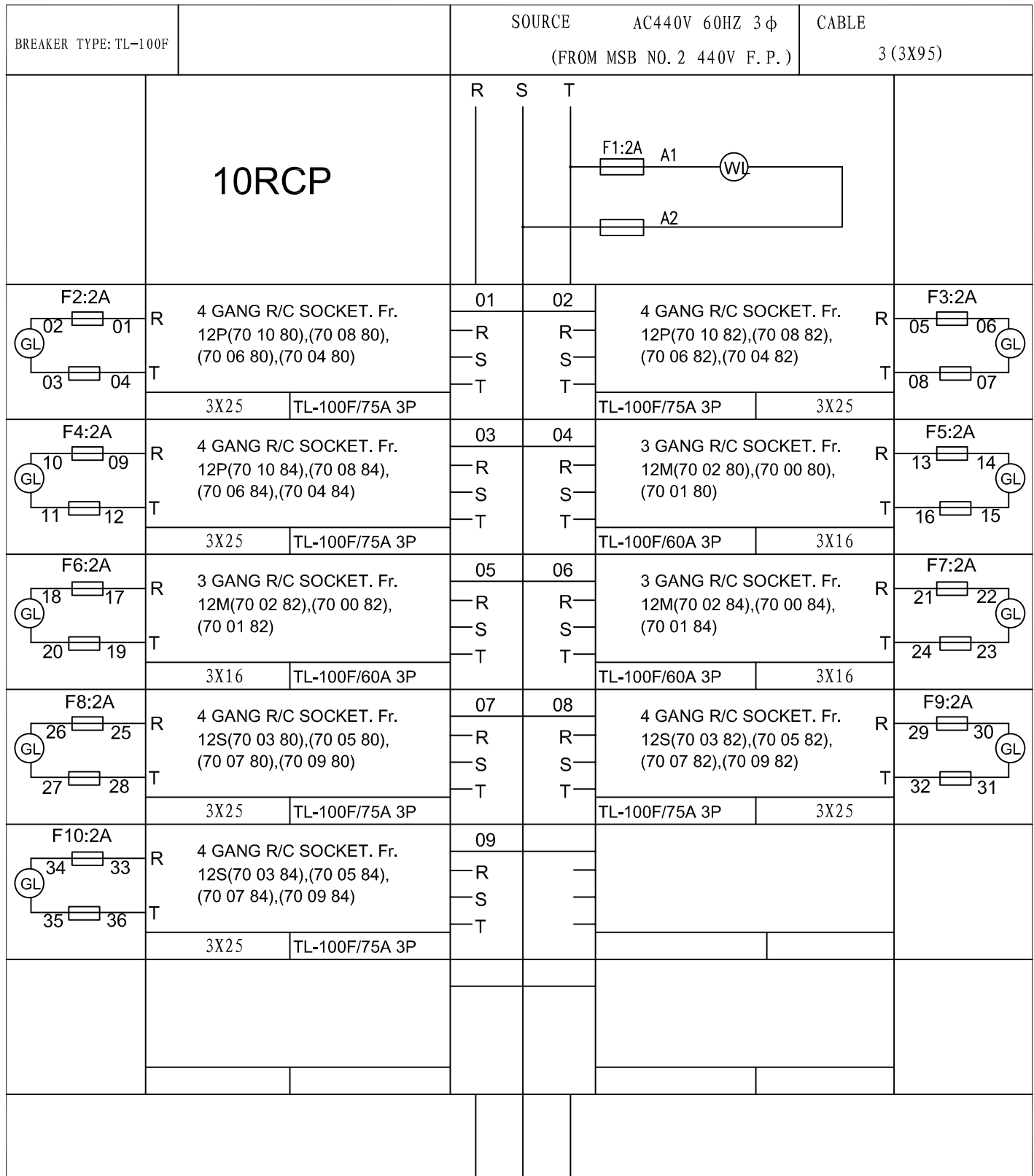
NOTE:
 ENCLOSURE TYPE: IP22
 COLOR: 7.5BG7/2
 BREAKER TYPE: TL-100F
 INSTALLATION: FC

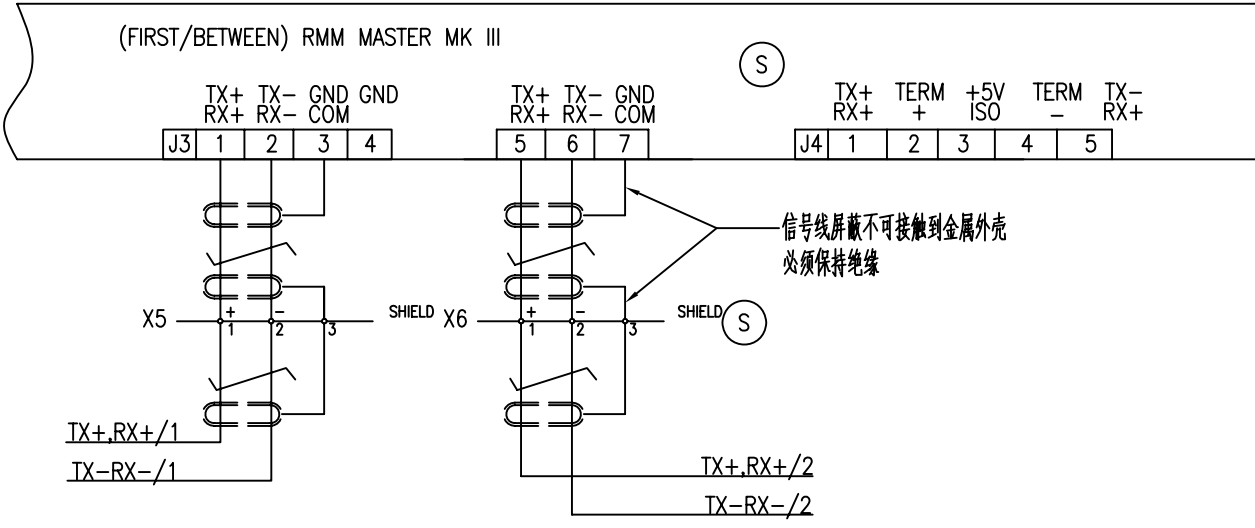
A	B	C	D	E	F	G	H	I
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NO.10 REEFER CONTAINER F.P.
 (OUTLINE VIEW)

10EL
 2-29





RS485 NETWORK IN GOING TO
REF. CONT. MONITORING SYSTEM JUNCTION BOX

RS485 NETWORK OUT GOING FROM 9RCP

