

	B. INDEX (1/2)		PAGE	B1
			HULL NO.	SB624
			DWG NO.	2E363101EB
NO.	DESCRIPTION		PAGE	
A	PLAN HISTORY		A1 ~ A2	
B	INDEX		B1 ~ B2	
C	CABLE & ELECTRIC EQUIPMENT MARKING		C	
D	CABLE LEGEND		D1 ~ D2	
E	ABBREVIATION		E	
F	LOCATION CODE		F	
G	SYMBOL LIST		G1 ~ G4	
1	MAIN PROPULSION CONTROL SYSTEM			
1.1	NO.1 M/E CPP CONTROL & ALARM SYSTEM		C01 ~ C12	
1.2	NO.2 M/E CPP CONTROL & ALARM SYSTEM		C13 ~ C24	
1.3	ENGINE TELEGRAPH SYSTEM		C25	
2	E/R MACHINERY CONTROL SYSTEM			
2.1	NO.1 G/E CONTROL SYSTEM		C26	
2.2	ALARM UNIT FOR NO.1 G/E		C26A	
2.3	NO.2 G/E CONTROL SYSTEM		C27	
2.4	ALARM UNIT FOR NO.2 G/E		C27A	
2.5	NO.3 G/E CONTROL SYSTEM		C28	
2.6	ALARM UNIT FOR NO.3 G/E		C28A	
2.7	BOW THRUSTER CONTROL SYSTEM		C29	
3	ALARM MONITORING SYSTEM			
3.1	ALARM UNIT FOR ELECTRIC SYSTEM		C30 ~ C45	
3.2	ALAREM UNIT FOR E/R F.O TANK LEVEL & TEMPERATURE		C46	
3.3	ALARM UNIT FOR E/R LO & BILGE TANK LEVEL		C47	
3.4	ENGINEER CALL SYSTEM		C48	
4	BALLAST CONTROL SYSTEM			
4.1	DRFAT READING & WATER BALLAST, F.O TANK LEVEL GAUGING SYSTEM		C49 ~ C50	
5	VALVE REMOTE CONTROL SYSTEM			
5.1	VALVE REMOTE CONTROL SYSTEM		C51 ~ C52	
5.2	VALVE REMOTE INDICATION SYSTEM		C53 ~ C55	

	B. INDEX (2/2)	PAGE	B2
		HULL NO.	SB624
		DWG NO.	2E363101EB
NO.	DESCRIPTION		PAGE
6	SHIP SERVICE SYSTEM		
6.1	CO2 ALARM SYSTEM		C56 ~ C57
6.2	RO-RO EQUIPMENT SYSTEM		C58 ~ C63
6.3	PERSONAL COMPUTER(P.C) NETWORK SYSTEM		C64
6.4	BALLAST PUMP SUCTION / DISCHARGE PRESSURE INDICATION SYSTEM		C65
6.5	RUDDER GROUNDING SYSTEM		C66
6.6	MULTI-CORE CABLE NETWORK		C66A
7	ENGINE CONTROL CONSOLE (ECC)		
7.1	ECC AC 220V POWER DISTRIBUTION		C67 ~ C68
7.2	ECC DC 24V POWER DISTRIBUTION		C69 ~ C70



C. CABLE & ELECTRIC EQUIP ' T MARKING

PAGE

C

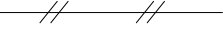
HULL NO.

SB624

DWG NO.

2E363101EB

1. CABLE MARKING ON DIAGRAM

- 1) $\frac{T2}{P0101}$: YARD SUPPLY / YARD CONNECTION CABLE
- 2) $\frac{T2}{P0101}$: REFERENCE CABLE FROM OTHER SYSTEM OR DIAGRAM
- 3) $\frac{* 12U}{C0101}$: MAKER SUPPLY / YARD CONNECTION CABLE
- 4) $\frac{* 2C}{}$: MAKER SUPPLY / MAKER CONNECTION CABLE
- 5) $\frac{2C}{C01A}$: CONSOLE MAKER SUPPLY / CONSOLE MAKER CONNECTION CABLE
- 6) $\frac{* 2C}{C01B}$: MAKER SUPPLY / CONSOLE MAKER CONNECTION CABLE
- 7)  : FLEXIBLE CABLE
- 8)  : PNEUMATIC PIPE LINE
- 9)  : HYDRAULIC PIPE LINE
- 10) $\frac{(I.S)}{}$: INTRINSICALLY SAFETY CABLE

2. SUPPLIER MARKING ON ELECTRIC EQUIPMENT

(ECR) #1
E/E NAME

OR

(W/H) #2
E/E NAME

#1 : AAA MAKER SUPPLY

#2 : BBB MAKER SUPPLY

.

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3. AREA MARKING

S/G/R

OR

E/R 3RD DK
E/R FLOOR

OR

(C/E RM)

E/E NAME



D. CABLE LEGEND (1/2)

PAGE

D1

HULL NO.

SB624

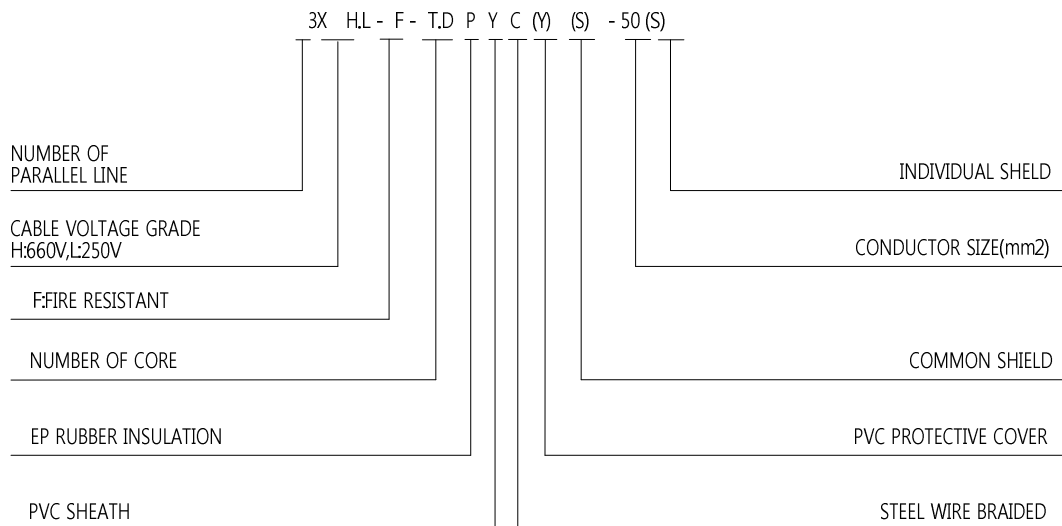
DWG NO.

2E363101EB

1. IN GENERAL, ALL ELECTRIC CABLE TO BE OF JIS MARINE CABLE. JIS BEEN APPROVED BY THE CLASSIFICATION SOCIETY. EXCEPT SPECIAL CABLE.

2. CABLES WITHOUT VOLTAGE DESIGNATION DENOTE THE 0.6/1KV GRADE. "L" VOLTAGE DESIGNATION DENOTE THE 250V GRADE CABLE.

3. DESIGNATION OF JIS TYPE CABLE (JIS C3410)



(EXAMPLE)

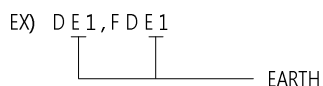
SYMBOL	CORE	INSULATION	SHEATH	ARMOUR	PROTECTION COVER
	S : SINGLE	P: EP RUBBER	L: LEAD	C: STEEL WIRE BRAID	Y: PVC PROTECTIVE COVERING
	D : DOUBLE	Y: PVC	Y: PVC		
	T : THREE		N: PCP	B: COPPER WIRE BRAID	
	M : MULTI				
	TT : TWISTED				
DPYC	D	P	Y	C	Y
TTYCY	TT	.	Y	C	Y
TPY	T	P	Y	C	

4. SPECIAL NOTICES MARKED WITH CABLE TYPE MEAN AS FOLLOWS.

- 1) * MARK CABLE : MAKER SUPPLY
- 2) RG : RADIO FREQUENCY COAXIAL CABLE

5. STANDARD CABLE LIST: REFER TO NEXT PAGE

6. EARTH CABLE IS INDICATED AS FOLLOWS.





D. CABLE LEGEND (2/2)

PAGE

D2

HULL NO.

SB624

DWG NO.

2E363101EB

NO.	SYMBOL	CABLE TYPE	AMPERE AT TEMP. 45 C °		CABLE OUTDIAMETER & CABLE GLAND											
					"C"		"Y"		COMMON SHIELD" CS"		INDIVIDUAL SHIELD" C-S"		COMMON SHIELD" YS"		INDIVIDUAL SHIELD" Y-S"	
			100%	85%	OUTDIA	GLAND	OUTDIA	GLAND	OUTDIA	GLAND	OUTDIA	GLAND	OUTDIA	GLAND	OUTDIA	GLAND
01	SY70	SPYCY-70	225	191.2	18.5	25C	20.9	30A								
02	(B)D(Y)S1	H-(B)DPYC(Y)S-1.5	20	17	11.7	20B	13.7	20C	12.6	20C			14.6	25A		
03	D(Y)S2	H-DPYC(Y)S-2.5	26	22	12.8	20C	14.8	25A	13.5	20C			15.5	25A		
04	D(Y)S4	H-DPYC(Y)S-4	34	29	13.9	20C	15.9	25B	14.7	25A			16.9	25B		
05	D(Y)S6	H-DPYC(Y)S-6	44	37	15.2	25A	17.4	25B	15.9	25B			18.1	25C		
06	(B)T(Y)S1	H-(B)TPYC(Y)S-1.5	16	14	12.5	20B	14.5	25A	13.2	20C			15.2	25A		
07	(B)T(Y)S2	H-(B)TPYC(Y)S-2.5	21	18	13.5	20C	15.5	25A	14.2	20C			16.4	25B		
08	T(Y)S4	H-TPYC(Y)S-4	29	24	14.7	25A	16.9	25B	15.7	25B			17.9	25C		
09	T(Y)S6	H-TPYC(Y)S-6	36	31	16.1	25B	18.3	25C	16.8	25B			18.9	25C		
10	T(Y)10	H-TPYC(Y)-10	50	43	18.3	25C	20.7	30A	19.0	25C			21.4	30B		
11	T(Y)16	H-TPYC(Y)-16	67	57	20.8	30A	23.2	30B	21.4	30B			23.8	30C		
12	T(Y)25	H-TPYC(Y)-25	89	76	24.7	30C	27.3	35A	25.6	35A			28.2	35B		
13	T(Y)35	H-TPYC(Y)-35	110	94	27.4	35A	30.2	40A	28.2	35B			31.0	40A		
14	T(Y)50	H-TPYC(Y)-50	137	116	32.0	40B	35.0	45A	32.7	40B			35.7	45B		
15	T(Y)70	H-TPYC(Y)-70	169	144	37.6	45C	41.0	50A	38.7	45C			42.1	50B		
16	T(Y)95	H-TPYC(Y)-95	205	174	41.9	50B	45.5	55B	43.4	55A			47	55C		
17	T(Y)120	H-TPYC(Y)-120	237	201	45.8	55B	49.6	60A	47.1	55C			50.9	60A		
18	(B)M(Y)S2(S)	L-(B)MPYC(Y)S-2(S)	14	11	10.0	15C	12.0	20B	10.7	20A	11.2	20A	12.7	20C	13.2	20C
19	(B)M(Y)S4(S)	L-(B)MPYC(Y)S-4(S)	11	9	11.2	20A	13.2	20C	11.9	20A	12.9	20C	13.9	20C	14.9	25A
20	M(Y)S7(S)	L-MPYC(Y)S-7(S)	9	7	13.2	20C	15.2	25A	13.9	20C	15.2	25A	15.9	25A	17.4	25B
21	(B)M(Y)S12(S)	L-(B)MPYC(Y)S-12(S)	7	5	16.8	25B	19.0	25C	17.6	25C	19.5	25C	19.8	30A	21.9	30B
22	M(Y)S19(S)	L-MPYC(Y)S-19(S)	6	5	19.6	30A	22.0	30B	20.6	30A	22.8	30B	23.0	30B	25.4	30C
23	M(Y)S27(S)	L-MPYC(Y)S-27(S)	5	4	23.4	30B	26.0	35A	24.3	30C	27.3	35A	26.9	35A	30.1	40A
24	M(Y)S37(S)	L-MPYC(Y)S-37(S)	4	3	26.1	35A	28.9	35B	27.0	35A	30.5	40A	29.8	40A	33.5	45A
25	M(Y)S44(S)	L-MPYC(Y)S-44(S)														
26	(B)TT(Y)S1	L-(B)TTYC(Y)S-1			9.2	15B	11.0	20A	10.1	15C			12.1	20B		
27	(B)TT(Y)S1Q	L-(B)TTYC(Y)S-1Q														
28	(B)TT(Y)S4(S)	L-(B)TTYC(Y)S-4(S)			15.5	25A	17.7	25C	16.3	25B	18.7	25C	18.5	25C	21.1	30A
29	(B)TT(Y)S7(S)	L-(B)TTYC(Y)S-7(S)			18.2	25C	20.6	30A	19.0	25C	22.2	30B	21.4	30A	24.8	30C
30	(B)TT(Y)S10(S)	L-(B)TTYC(Y)S-10(S)			23.0	30B	25.6	35A	24.1	30C	28.7	35B	26.7	35A	31.5	40B
31	(B)TT(Y)S14(S)	L-(B)TTYC(Y)S-14(S)														
32	FD(Y)S1	H-F-DPYC(Y)S-1.5	17	14	13.0	20C	14.9	25A	13.8	20C			15.7	25B		
33	FD(Y)S2	H-F-DPYC(Y)S-2.5	24	20	13.9	20C	15.8	25B	14.7	25A			16.8	25B		
34	FD(Y)S4	H-F-DPYC(Y)S-4	32	27	15.0	25A	17.1	25B	16.1	25B			18.2	25C		
35	FT(Y)S1	H-F-TPYC(Y)S-1.5	14	11	13.7	20C	15.6	25B	14.4	20C			16.5	25B		
36	FT(Y)S2	H-F-TPYC(Y)S-2.5	20	17	14.6	25A	16.7	25B	15.5	25B			17.8	25C		
37	FT(Y)S4	H-F-TPYC(Y)S-4	27	22	16.0	25B	18.1	25C	16.9	25B			19.0	25C		
38	FT(Y)6	H-F-TPYC(Y)-6	34	28	17.2	25C	19.3	30A								
39	FT(Y)10	H-F-TPYC(Y)-10	47	39	19.4	30A	21.8	30B								
40	(B)FM(Y)S2(S)	L-F-(B)MPYC(Y)S-2(S)	14	11	10.5	20A	12.4	20C	11.8	20B	12.3	20B	13.7	20C	14.2	20C
41	(B)FM(Y)S4(S)	L-F-(B)MPYC(Y)S-4(S)	11	9	12.4	20B	14.3	25C	13.4	20C	14.2	20C	15.3	25A	16.3	25B
42	FM(Y)S7(S)	L-F-MPYC(Y)S-7(S)	9	7	14.6	25A	16.7	25B	15.7	25B	16.8	25B	17.8	25C	18.9	25C
43	FM(Y)S12(S)	L-F-MPYC(Y)S-12(S)	7	5	18.9	25C	21.3	30A	19.8	30A	21.9	30B	22.2	30B	24.3	30C
44	FM(Y)S19(S)	L-F-MPYC(Y)S-19(S)	6	5	22	30B	24.6	30C	23.0	30B	25.6	35A	25.6	35A	28.2	35B
45	FM(Y)S27(S)	L-F-MPYC(Y)S-27(S)	5	4	26.1	35A	28.9	35B	27.3	35A	30.7	40A	30.1	40A	33.7	45A
46	FM(Y)S37(S)	L-F-MPYC(Y)S-37(S)	4	3	29.4	40A	32.2	40B	30.4	40A	34.9	45A	33.4	45A	38.1	45C
47	FM(Y)S44(S)	L-F-MPYC(Y)S-44(S)														
48	D(Y)E1	L-DPYC(Y)E-1.5														
49	D(Y)E2	L-DPYC(Y)E-2.5														
50	DY(E)1C	L-DPYC(Y)E-1.5C														
51	DY2C	L-DPYCY-2.5C														
52	MYS4C	L-MPYCYS-4C														
53	TY1C	H-TPYCY-1.5C														
54	TY2C	H-TPYCY-2.5C														
55	6U(Y)	RG-6/U(Y)			8.5	15B										
56	12U(Y)	RG-12/U(Y)			15.1	25A										
57	CAT5	STP CAT-5														
58	CAT6	STP CAT-6														
59	5C2V	5C-2V														



E. ABBREVIATION

PAGE

E

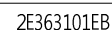
HULL NO.

SB624

DWG NO.

2E363101EB

NO.	LETTER	DESCRIPTION	NO.	LETTER	DESCRIPTION
01	A.M.S	ALARM MONITORING SYSTEM	51	TEMP.	TEMPERATURE
02	AUX.	AUXILIARY	52	TH	THERMOSTAT
03	B.C.C	BALLAST CONTROL CONSOLE	53	TR	TRANSFORMER
04	B.C.R	BALLAST CONTROL ROOM	54	V.D.R	VOYAGE DATA RECORDER
05	B.C.D	BATT. CH. & DISCH. BOARD	55	V/V	VALVE
06	C.C.C	CARGO CONTROL CONSOLE	56	W.G.B	WHEEL HOUSE GAUGE BOARD
07	C.C.R	CARGO CONTROL ROOM	57	W/H	WHEEL HOUSE
08	C.F.W	COOLING FRESH WATER	58	W.C.C	WHEEL HOUSE CONTROL CONSOLE
09	C.P	CONTROL PANEL	59	W.M.C	WHEEL HOUSE MANUVERING CONSOLE
10	C.S.W	COOLING SEA WATER	60	W.N.C	WHEEL HOUSE NAVIGATION CONSOLE
11	CO2	CO2 SYSTEM	61	W.G.P	WHEEL HOUSE GROUP PANEL
12	COMP.	COMPRESSOR	62		
13	CYL.	CYLINDER	63		
14	D.O	DIESEL OIL	64		
15	DK	DECK	65		
16	E.C.C	ENGINE CONTROL CONSOLE	66		
17	E.C.R	ENGINE CONTROL ROOM	67		
18	E.N.D	EMERGENCY NAVIGATION DISTRIBUTION BOARD	68		
19	E.S.B	EMERGENCY SWITCH BOARD	69		
20	E/R	ENGINE ROOM	70		
21	EM'CY	EMERGENCY	71		
22	F.O	FUEL OIL	72		
23	FWD	FORWARD	73		
24	G/E	GENERATOR ENGINE	74		
25	GEN.	GENERATOR	75		
26	G/P	GENERATOR PANEL	76		
27	H.F.O	HEAVY FUEL OIL	77		
28	H-H	HIGH-HIGH	78		
29	HYD.	HYDRAULIC	79		
30	IND.	INDICATION	80		
31	L.F.F	LOCAL FIRE FIGHTING	81		
32	LO	LUBRICATION OIL	82		
33	L-L	LOW-LOW	83		
34	M.S.B	MAIN SWITCH BOARD	84		
35	M/E	MAIN ENGINE	85		
36	N.I.D	NAVIGATION INSTRUMENT DISTRIBUTION BOARD	86		
37	N.L.P	NAVIGATION LIGHT CONTROL PANEL	87		
38	O.M.D	OIL MIST DETECTOR	88		
39	P.B	PUSH BOTTON	89		
40	PRESS.	PRESSURE	90		
41	PURL	PURIFIER	91		
42	R.P.M	REVOLUTIONS PER MINUTE	92		
43	S.L.C	SIGNAL LIGHT COLUMN	93		
44	S.L.P	SIGNAL LIGHT CONTROL PANEL	94		
45	ST.	STARTER	95		
46	SP.	STOP	96		
47	S.V	SOLENOID VALVE	97		
48	S/G	STEERING GEAR	98		
49	SEP.	SEPARATOR	99		
50	ST'BD	STARBOARD	100		

DAESUN SHIPBUILDING & ENGINEERING CO., LTD.

		G. CONTROL SYMBOL LIST(1/4)			PAGE	G1
					HULL NO.	SB624
					DWG NO.	2E363101EB
NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION	
		(C1) ROTATING MACHINE	05		SELECTOR SWITCH	
01		AC MOTOR	06		GOVERNOR CONTROL SWITCH	
02		GOVERNOR MOTOR	07		DIMMER SWITCH	
03		HYDRAULIC PUMP				
04		ELECTRIC HEATER				
					(C4) BREAKER	
			01		MOLDED CASE CIRCUIT BREAKER 3-POLE	
		(C2) INSTRUMENT	02		MOLDED CASE CIRCUIT BREAKER 2-POLE	
01		RUNNING HOUR METER FLUSH TYPE, N.W.T	03		DISCONNECTION SWITCH	
02		REVOLUTION COUNTER FLUSH TYPE, N.W.T	04		CHANGE-OVER SWITCH	
03		RPM INDICATOR WALL TYPE, N.W.T	05		FUSE	
04		RPM INDICATOR FLUSH TYPE, N.W.T				
05		RPM INDICATOR W/DIMMER WALL TYPE, W.T				
06		FUEL PUMP MARK INDICATOR FLUSH TYPE, N.W.T			(C5) RELAY	
07		TEMPERATURE INDICATOR FLUSH TYPE, N.W.T	01		SELECT SWITCH	
08		PRESSURE INDICATOR FLUSH TYPE, N.W.T	02		"a" CONTACT (PUSH BUTTON)	
09		LEVEL INDICATOR FLUSH TYPE, N.W.T	03		"b" CONTACT (PUSH BUTTON)	
10		PNEUMATIC GAUGE	04		"a" CONTACT (RELAY OR MAGNETIC CONTACTOR)	
			05		"b" CONTACT (RELAY OR MAGNETIC CONTACTOR)	
			06		TIME DELAY	
		(C3) SWITCH	07		MAGNETIC CONTACTOR	
01		PUSH BUTTON	08		RELAY	
02		PUSH BUTTON WITH COVER	09		RECTIFIER	
03		PUSH BUTTON WITH LAMP	10		DIODE	
04		CHANGE-OVER SWITCH				

		H. CONTROL SYMBOL LIST(2/4)			PAGE	G2
					HULL NO.	SB624
					DWG NO.	2E363101EB
NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION	
		(C6) PILOT LAMP	17		FLOW METER	
01		PILOT LAMP (WHITE)	18		POSITION METER	
02		PILOT LAMP (GREEN)	19		LEAKAGE DETECTOR	
03		PILOT LAMP (RED)	20		OIL MIST DETECTOR	
04		ILLUMINATION LAMP	21		PNEUMATIC ELECTRO CONVERTER PNEUMATIC->4~20mA	
05		PILOT LAMP (BLUE)	22		POTENTION METER	
			23		OIL CONTENT DETECTOR	
			24		SALINITY DETECTOR	
		(C7) SENSOR	25		WATER DETECTOR	
01		PICK-UP				
02		SALINITY ELECTRODE (SALINITY SENSOR)			(C8) SWITCH BOARD	
03		SOLENOID VALVE	01		MAIN SWITCH BOARD	
04		MICRO LIMIT SWITCH	02		MAIN SWITCH BOARD GENERATOR PANEL	
05		LEVEL SWITCH	03		MAIN SWITCH BOARD SYNCHRONIZING PANEL	
06		FLOW TRANSMITTER	04		MAIN SWITCH BOARD BUS-TIE PANEL	
07		FLOW SWITCH	05		MAIN SWITCH BOARD AC 440V FEED PANEL	
08		PRESSURE TRANSMITTER	06		MAIN SWITCH BOARD GROUP STARTER PANEL	
09		PRESSURE SWITCH	07		MAIN SWITCH BOARD AC 220V FEED PANEL	
10		DIFFERENTIAL PRESS SWITCH	08		EM'CY SWITCH BOARD	
11		RESISTANCE BULB	09		EM'CY SWITCH BOARD GENERATOR PANEL	
12		THERMO COUPLE	10		EM'CY SWITCH BOARD AC 440V FEED PANEL	
13		TEMPERATURE SWITCH	11		EM'CY SWITCH BOARD GROUP STARTER PANEL	
14		DIFFERENTIAL PRESSURE TRANSMITTER	12		EM'CY SWITCH BOARD AC 220V FEED PANEL	
15		LEVEL TRANSMITTER	13		BATTERY CHARGING & DISCHARGING BOARD	
16		FLOAT LEVEL SWITCH	14		SHORE CONNECTION BOX	

		H. CONTROL SYMBOL LIST(3/4)			PAGE	G3
					HULL NO.	SB624
					DWG NO.	2E363101EB
NO.	SYMBOL	DESCRIPTION	NO.	SYMBOL	DESCRIPTION	
		(C9) STARTER & CONSOLE	07		AIR HORN WALL TYPE, W.T	
01		LOCAL GROUP STARTER PANEL	08		TELEGRAPH GONG WALL TYPE, N.W.T	
02		W/H CONTROL CONSOLE				
03		BRIDGE WING CONTROL CONSOLE				
04		CARGO CONTROL CONSOLE			(C12) MISCLLANEOUS	
05		BALLAST CONTROL CONSOLE	01		POWER DISTRIBUTION BOARD	
06		ENGINE CONTROL CONSOLE	02		POWER MANAGENENT SYSTEM	
			03		UNINTERRUPTED POWER SUPPLY UNIT	
			04		BATTERY	
		(C10) RECEPTACLE & JUNCTION BOX	05		EXTENSION ALARM PANEL (WALL TYPE)	
01		RECEPTACLE (AC 220V N.W.T SINGLE 2P+1E)	06		EXTENSION ALARM PANEL (FLUSH TYPE)	
02		RECEPTACLE (AC 220V N.W.T DOUBLE 2P+1E)	07		ISOLATOR	
03		JUNCTION BOX, 4-POLE, FLUSH AC 250V 20A N.W.T	08		AMPRIIFIER	
04		JUNCTION BOX, 4-POLE, SURFACE AC 250V 20A IP56	09		EM'CY STOP PUSH BUTTION WALL TYPE, W.T	
05		JUNCTION BOX MAKER SUPPLY, N.W.T	10		EM'CY STOP PUSH BUTTION FLUSH TYPE, N.W.T	
06		JUNCTION BOX MAKER SUPPLY, W.T	11		TERMINAL BOARD	
			12		SPLICING KIT	
			13		ATMOSPHERIC PRESSURE TRANSMITTER	
		(C11) AUDIBLE & VISIBLE	14		RADAR BEAM TYPE TANK GAUGING UNIT WITH IGG PRESSURE TRANSMITTER	
01		ALARM BELL WALL TYPE, N.W.T	15		DATA PROCESSING UNIT	
02		ALARM BELL W/LAMP WALL TYPE, W.T	16		TEMPERATURE MEASURING UNIT	
03		ROTATING LIGHT WALL TYPE, W.T	17		BATTERY SWITCH BOX	
04		FLASHING LIGHT WALL TYPE, W.T	18		FLEXIBLE TUBE	
05		BUZZER FLUSH TYPE, N.W.T	19		EM'CY STOP PUSH BUTTION EX-POOF WALL TYPE, W.T	
06		ELECTRIC HORN WALL TYPE, W.T	20		RJ-45 LAN CABLE CONNECTOR	

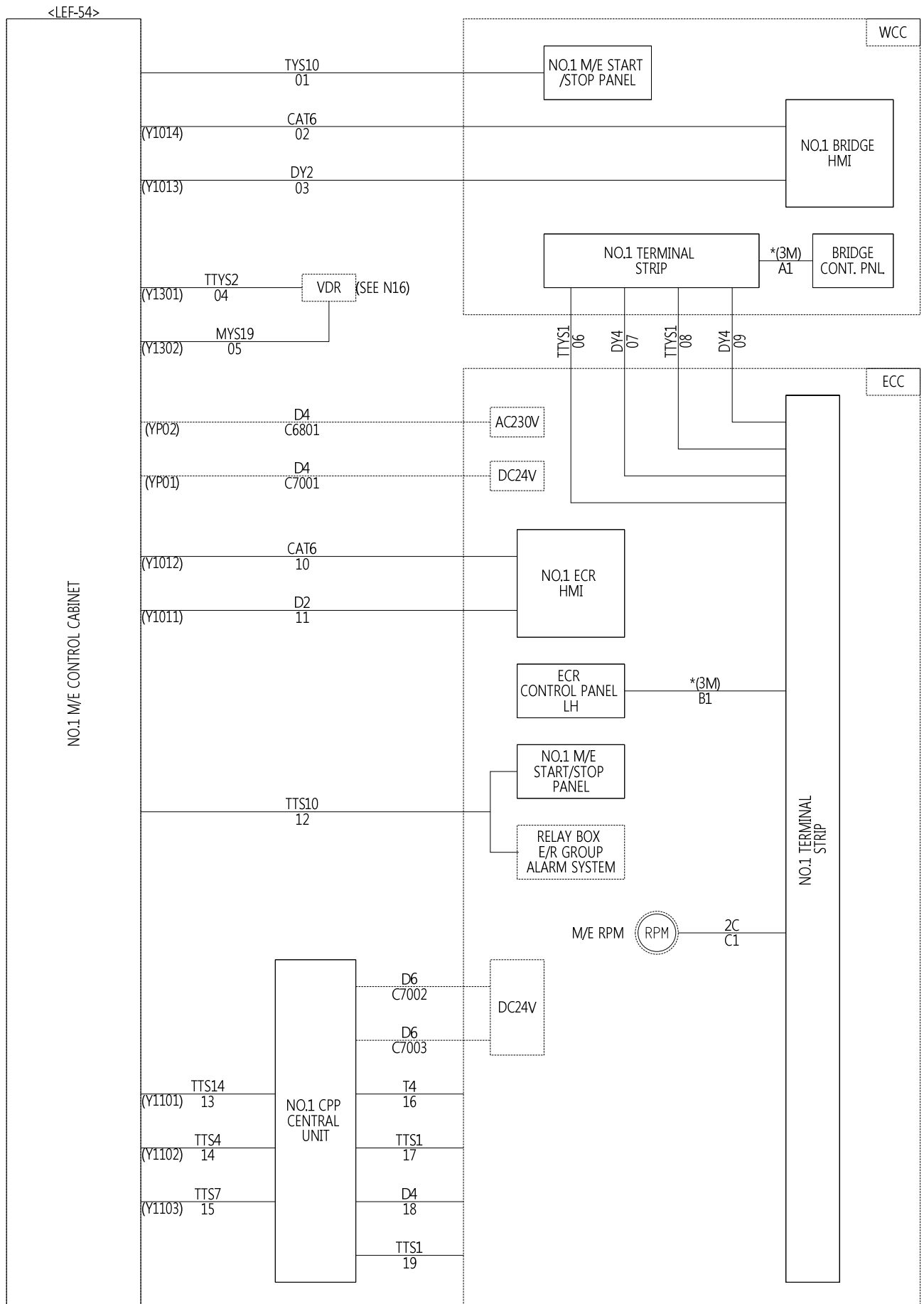
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1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (1/12)

PAGE	C01
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE
CPP MAKER :





1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (2/12)

PAGE

C02

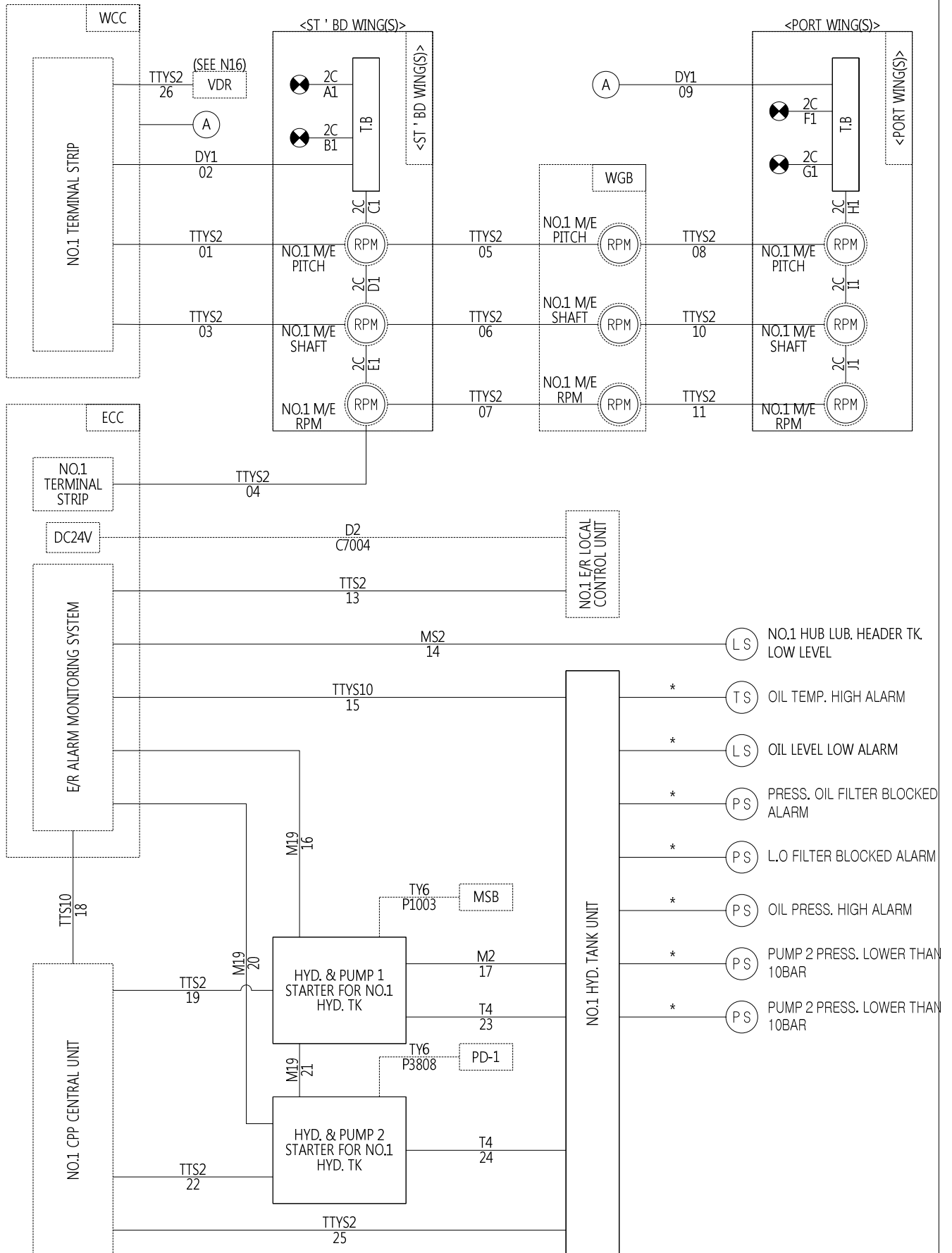
HULL NO.

SB624

DWG NO.

2E363101EB

M/E MAKER : STX ENGINE
CPP MAKER :

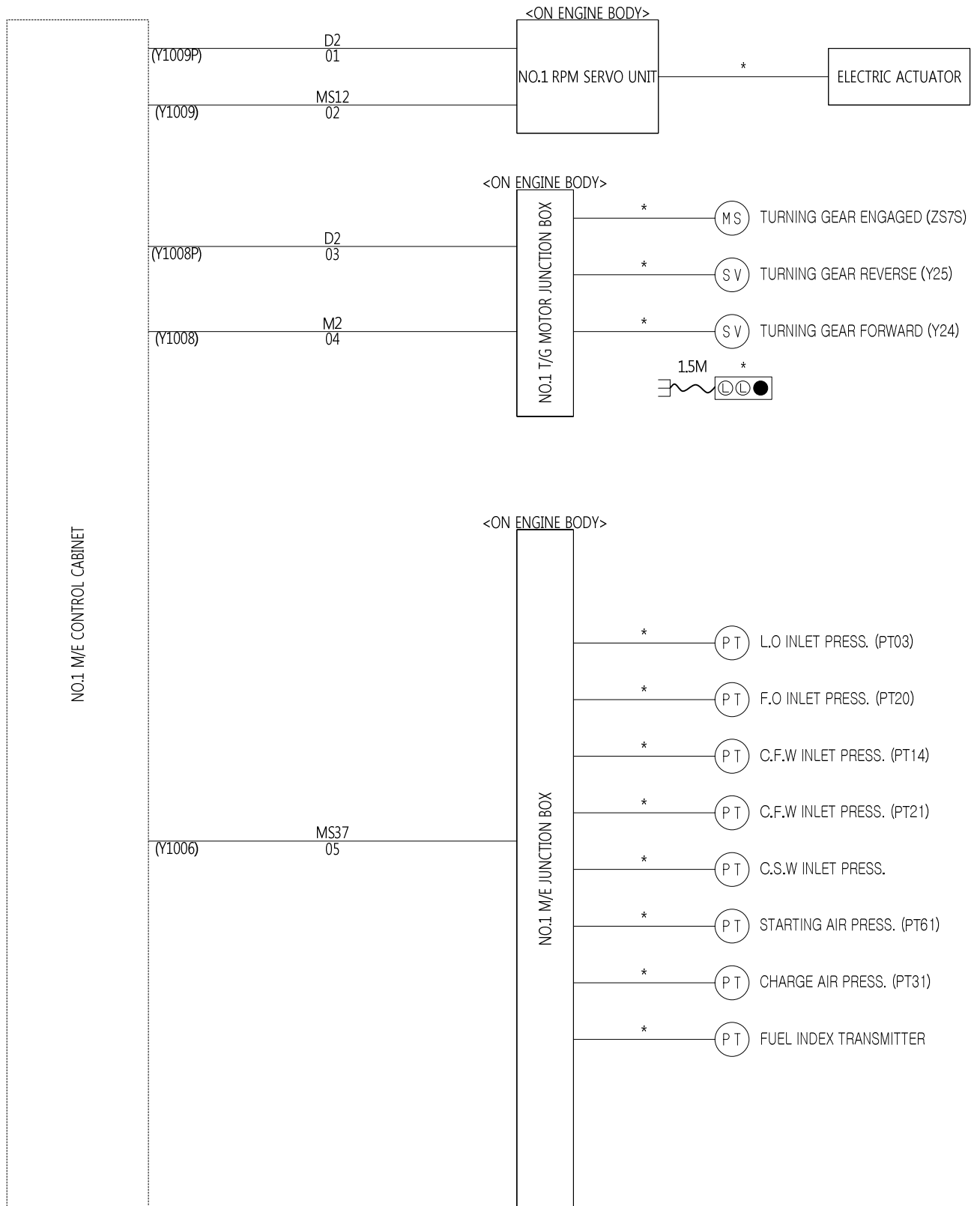




1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (4/12)

PAGE	C04
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE



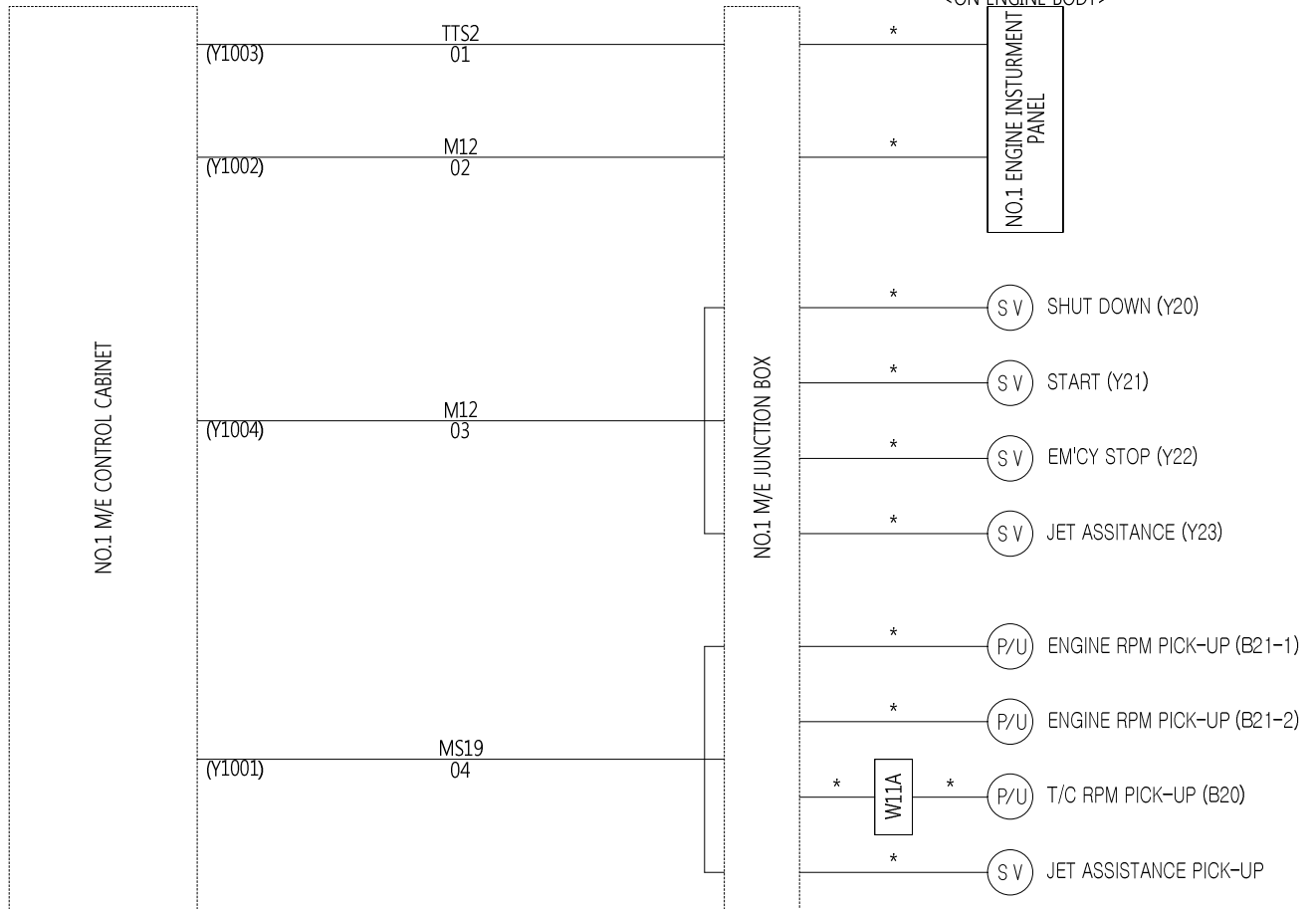


1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (5/12)

PAGE	C05
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

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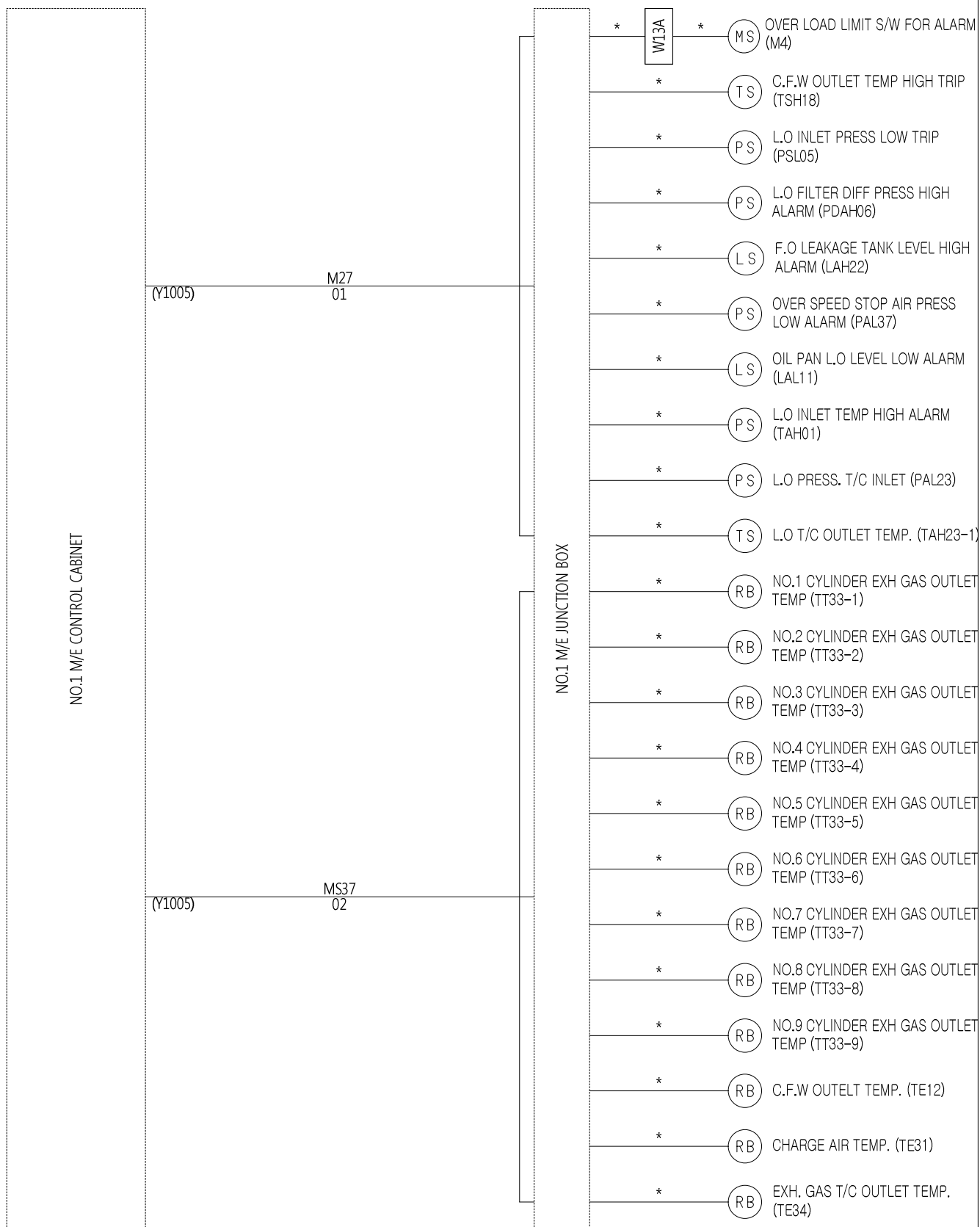


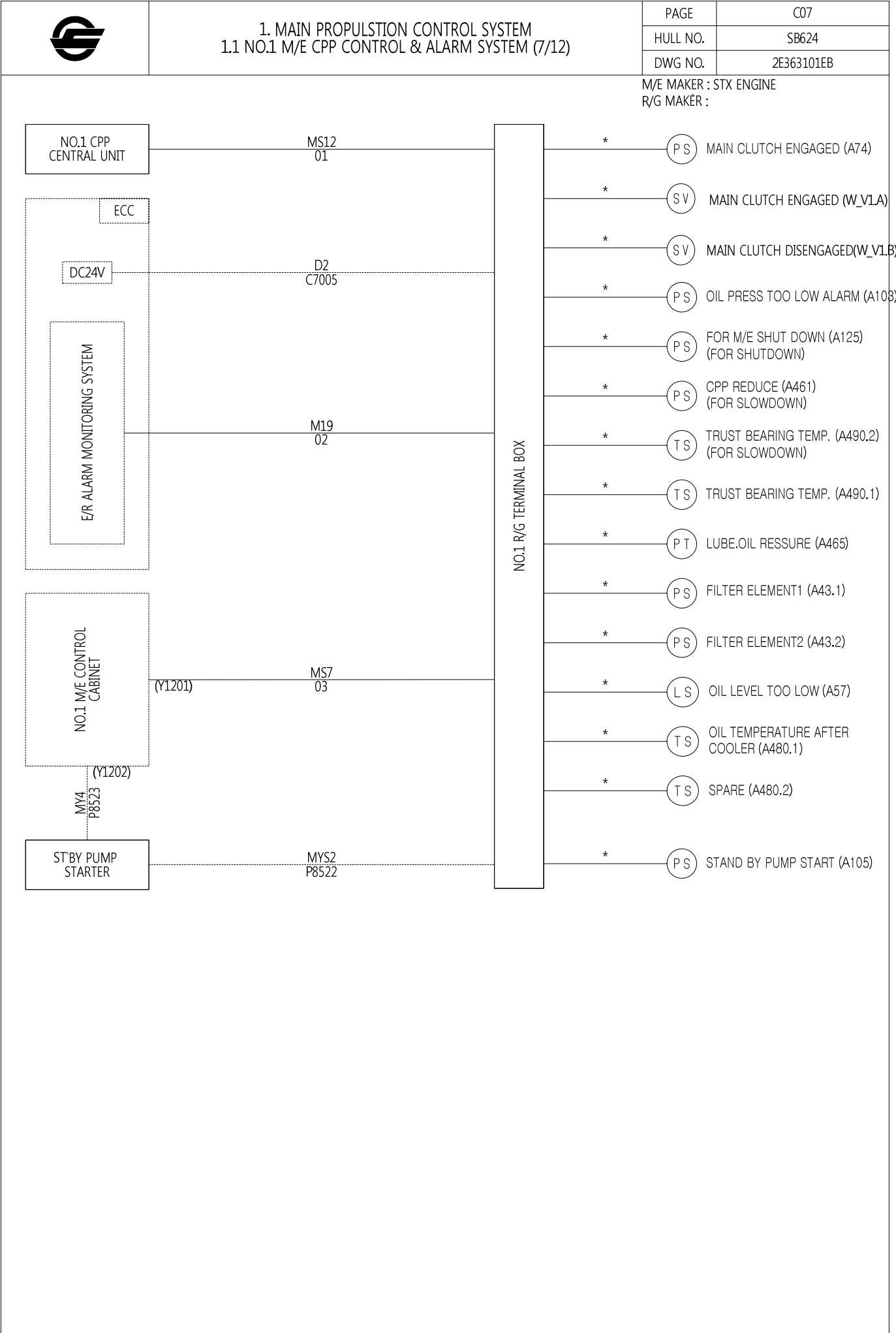


1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (6/12)

PAGE	C06
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE



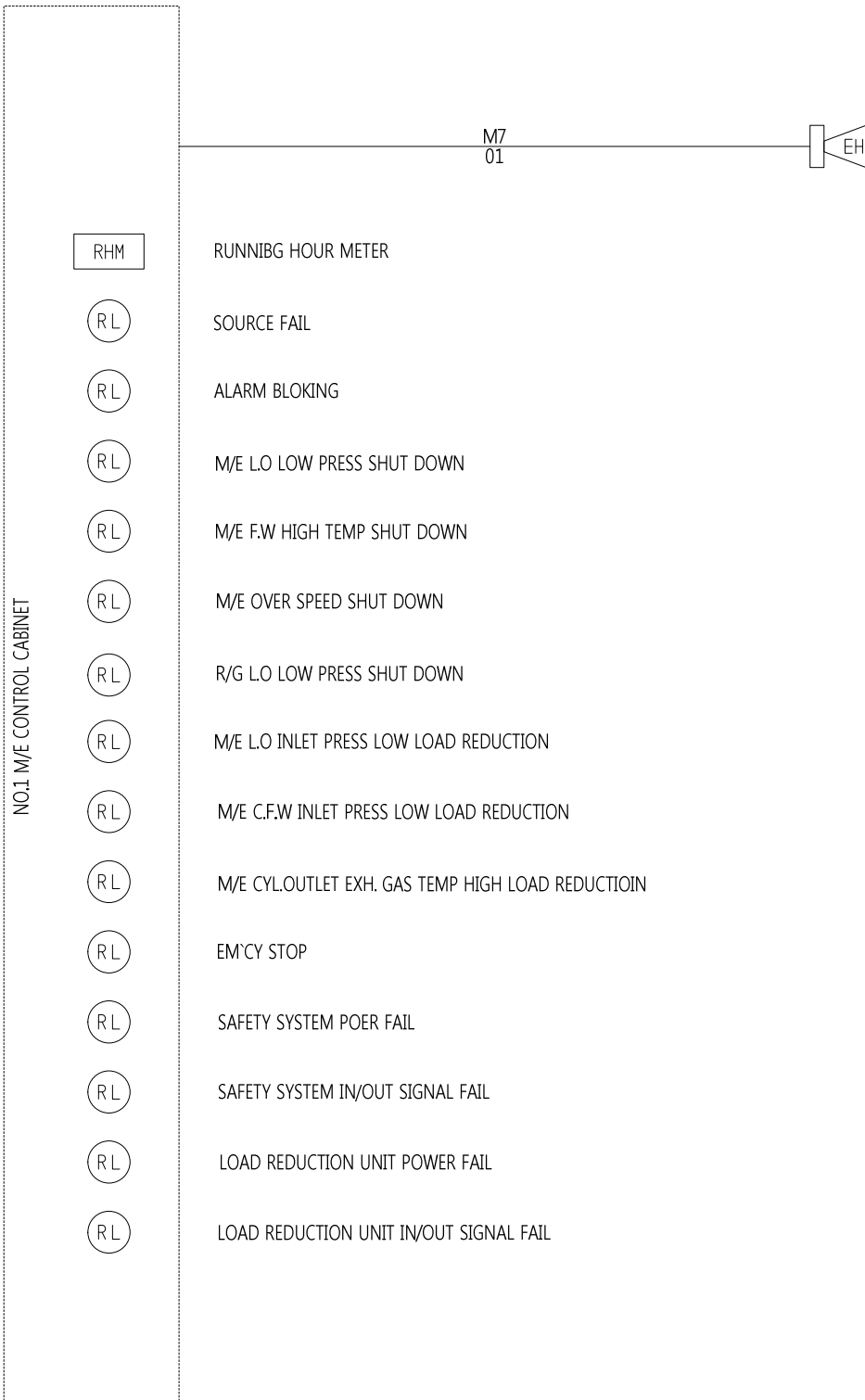




1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (8/12)

PAGE	C08
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

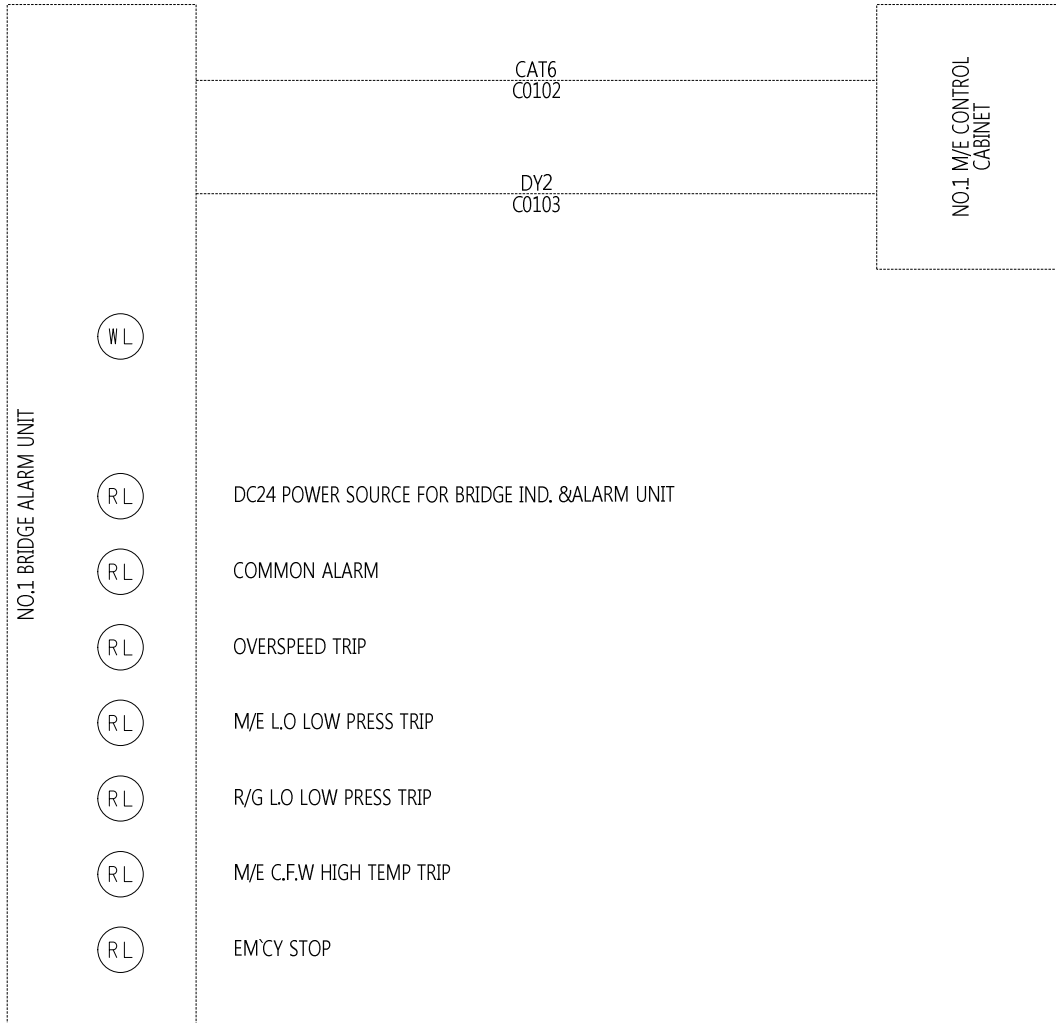




1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (9/12)

PAGE	C09
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE





1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (10/12)

PAGE	C10
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

NO.1 BRIDGE HMI

- | | |
|----|---------------------------------------|
| RL | M/E C.F.W INLET LOW PRESS REDUCT |
| RL | M/E C.F.W OUTLET HIGH TEMP REDUCT |
| RL | M/E CYL EXH OUT HIGH TEMP REDUCT |
| RL | M/E L.O INLET LOW PRESS REDUCT |
| RL | M/E L.O FILTER DIFF. PRESS HIGH ALARM |
| RL | STERN TUBE OIL TK LOW LEVEL ALARM |
| RL | R/G LO PITCH SERVO OIL LOW LEVEL |
| RL | TELEGRAPH FAIL AL |
| RL | POWER SUPPLY UNIT DC SOURCE FAIL |
| RL | M/E OVERSPEED STOP AIR PRESS LOW |
| RL | M/E L.O INLET HIGH TEMP ALARM |
| RL | M/E OIL PAN LOW LEVEL ALARM |
| RL | E/R ALARM PANEL AC SOURCE FAIL |
| RL | M/E F.O LEAKAGE HIGH LEVEL ALARM |
| RL | SAFE SYSTEM POWER FAIL |
| RL | CLUTCH OIL INLET LOW PRESS ALARM |
| RL | REMOTE CONTROL SYSTEM POWER FAIL |
| RL | BACK-UP CONTROL SYSTEM POWER FAIL |
| RL | STERN TUBE BEARING C.S.W NON FLOW |
| RL | LOAD REDUCTION UNIT POWER FAIL |
| RL | LOAD REDUCTION IN/OUT SUGNAL FAIL |



1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (11/12)

PAGE	C11
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE





1. MAIN PROPULSION CONTROL SYSTEM
1.1 NO.1 M/E CPP CONTROL & ALARM SYSTEM (12/12)

PAGE	C12
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

NO.1 ECR HMI

RL

STERN TUBE OIL TK LOW LEVEL ALARM

RL

R/G LO/PITCH SERVO OIL LOW LEVEL

RL

TELEGRAPH FAIL AL

RL

POWER SUPPLY UNIT DC SOURCE FAIL

RL

M/E OVERSPEED STOP AIR PRESS LOW

RL

M/E LO INLET HIGH TEMP ALARM

RL

M/E OIL PAN LOW LEVEL ALARM

RL

E/R ALARM PANEL AC SOURCE FAIL

RL

M/E F.O LEAKAGE HIGH LEVEL ALARM

RL

SAFETY SYSTEM POWER FAIL

RL

CLUTCH OIL INLET LOW PRESS ALARM

RL

REMOTE CONTROL SYSTEM POWER FAIL

RL

BACK-UP CONTROL SYSTEM POWER FAIL

RL

STERN TUBE BEARING C.S.W NON FLOW

RL

LOAD REDUCTION UNIT POWER FAIL

RL

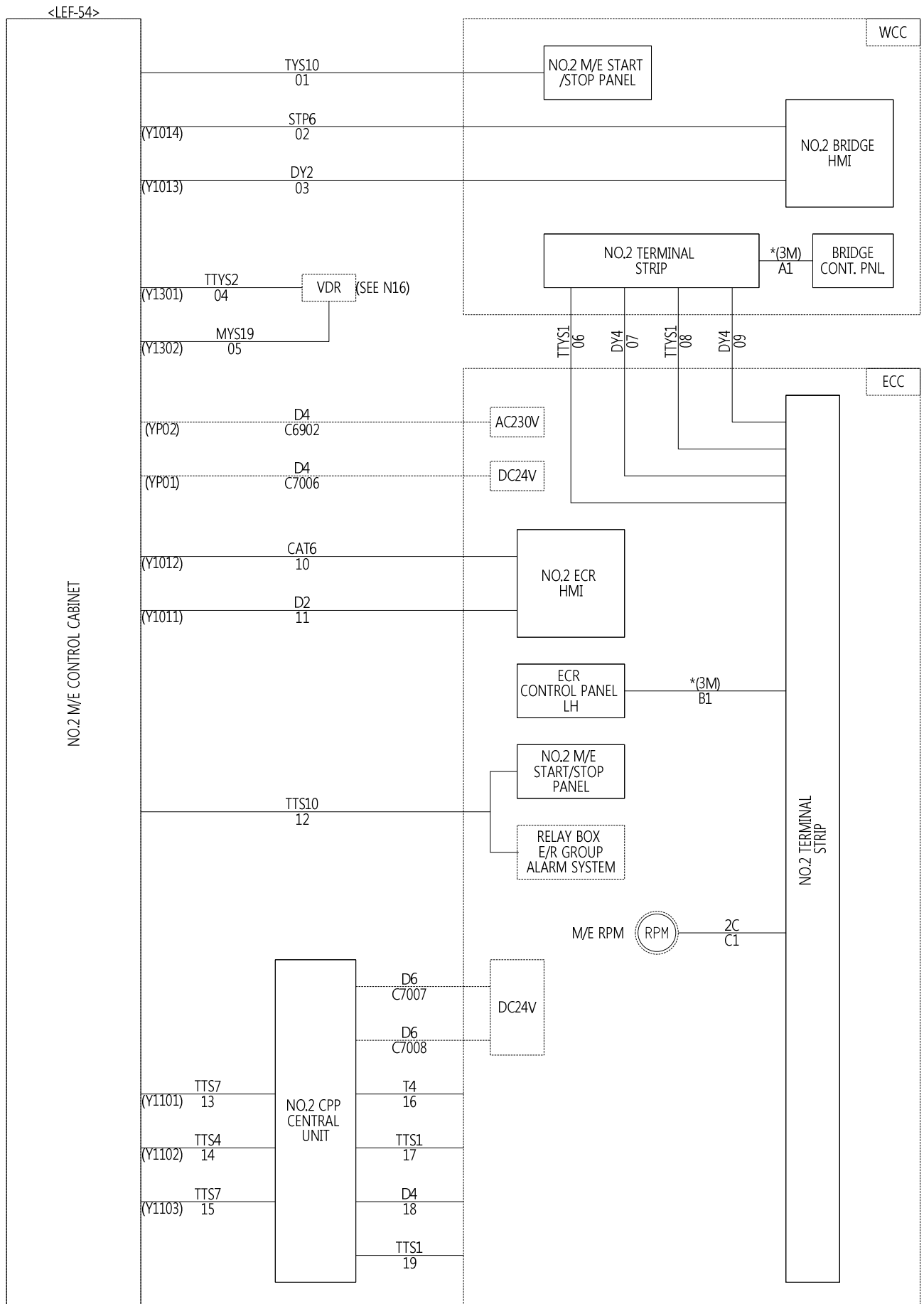
LOAD REDUCTION IN/OUT SIGNAL FAIL



1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (1/12)

PAGE	C13
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE
CPP MAKER :

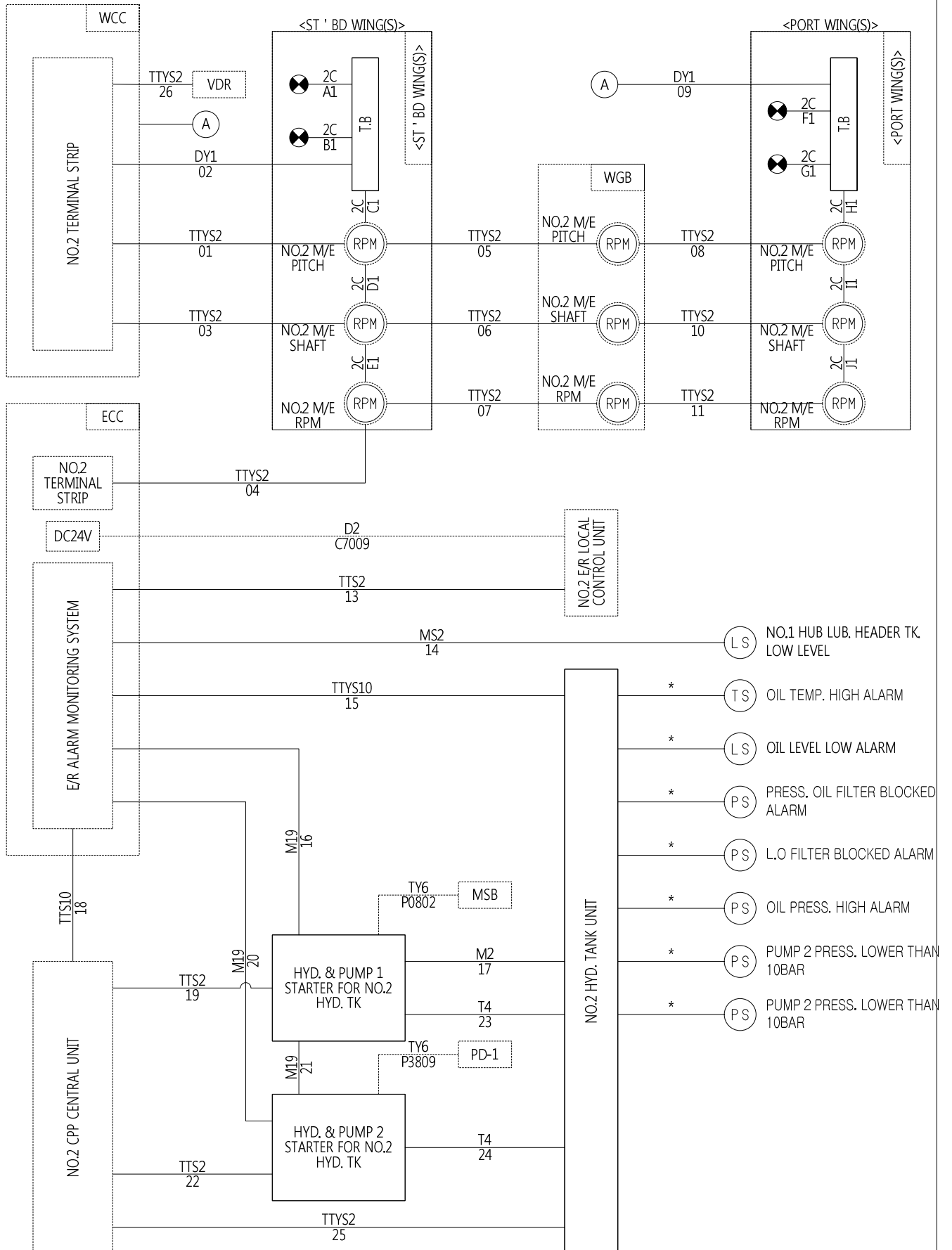




1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (2/12)

PAGE	C14
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE
CPP MAKER :

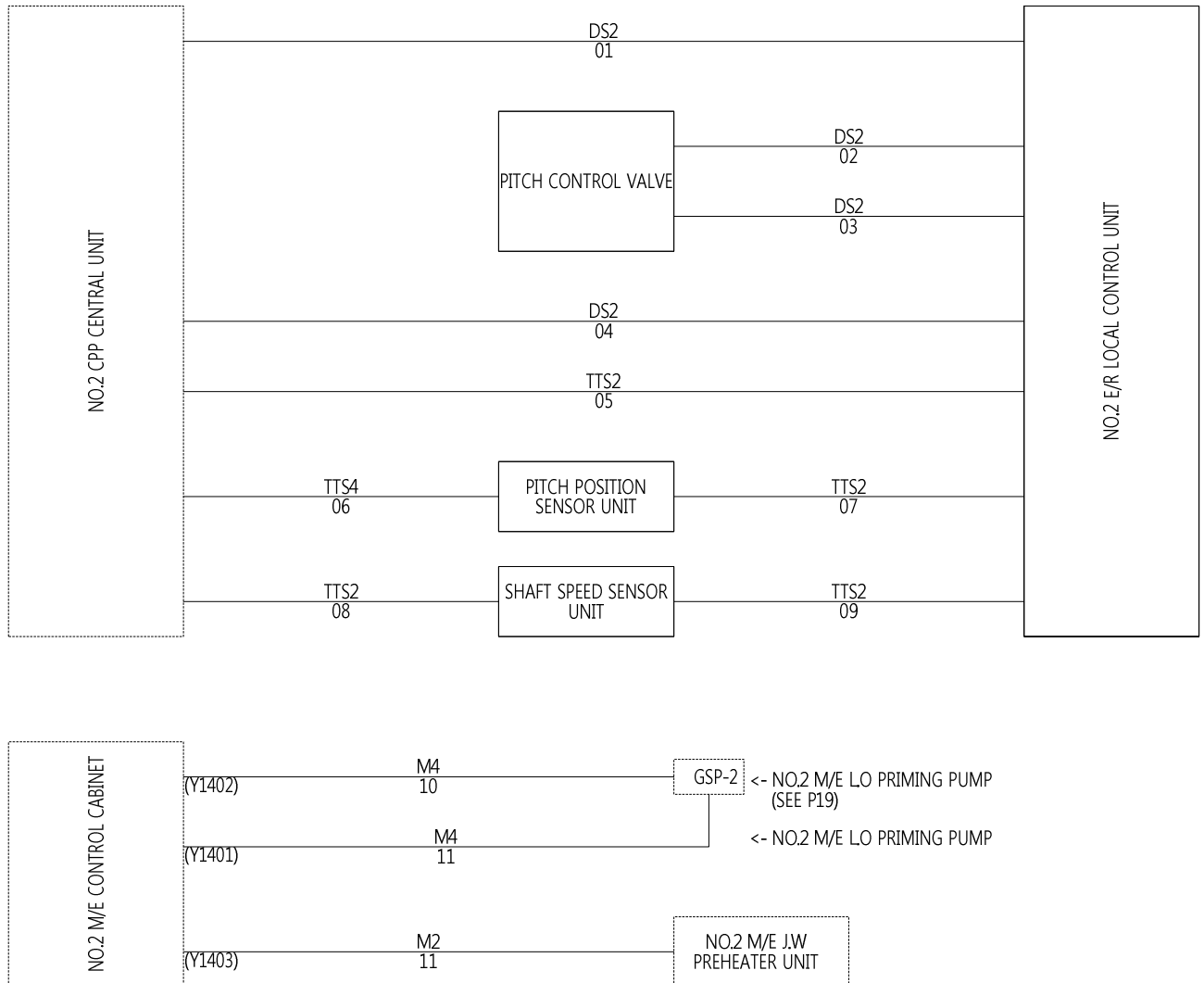




1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (3/12)

PAGE	C15
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE
CPP MAKER :

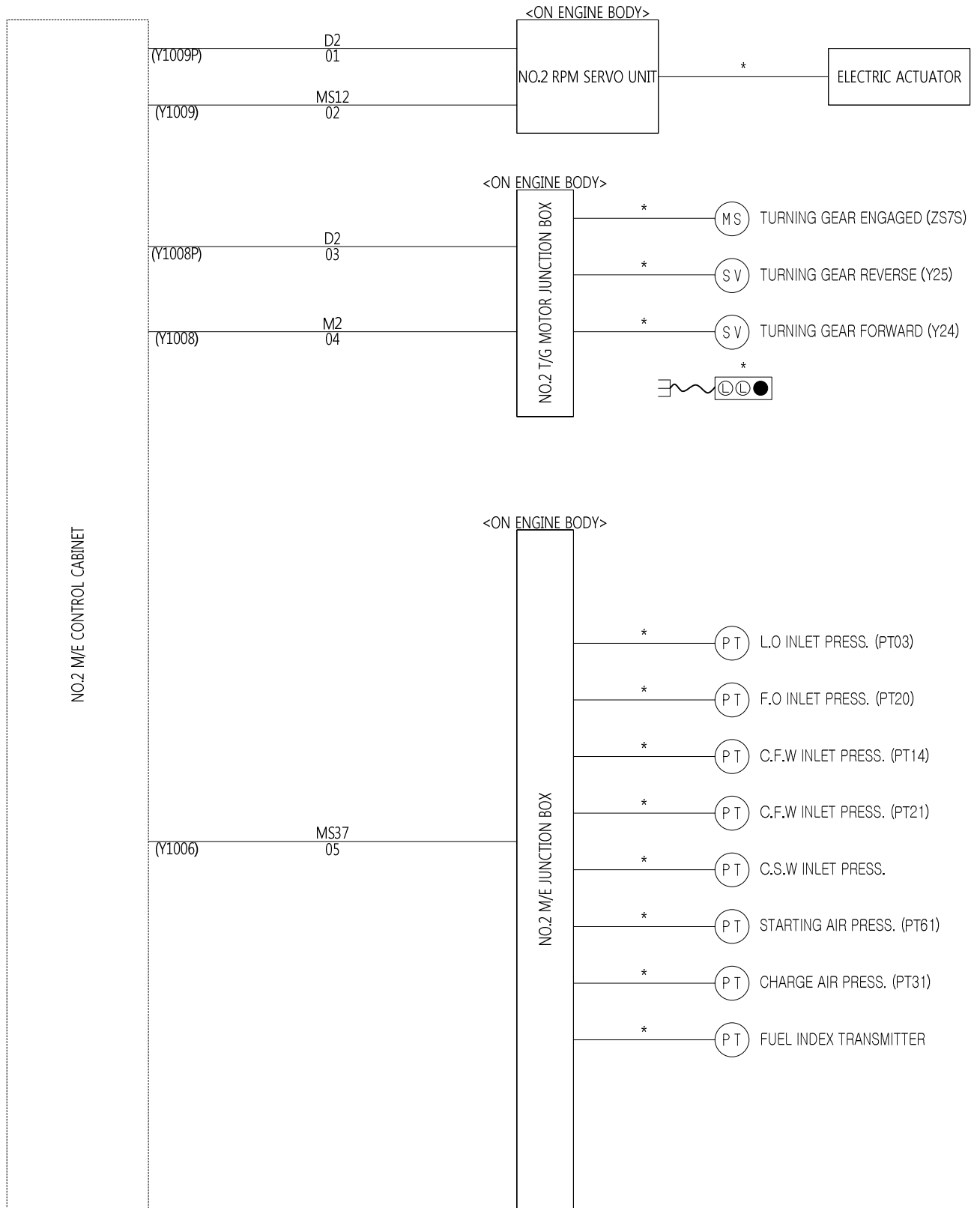




1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (4/12)

PAGE	C16
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE



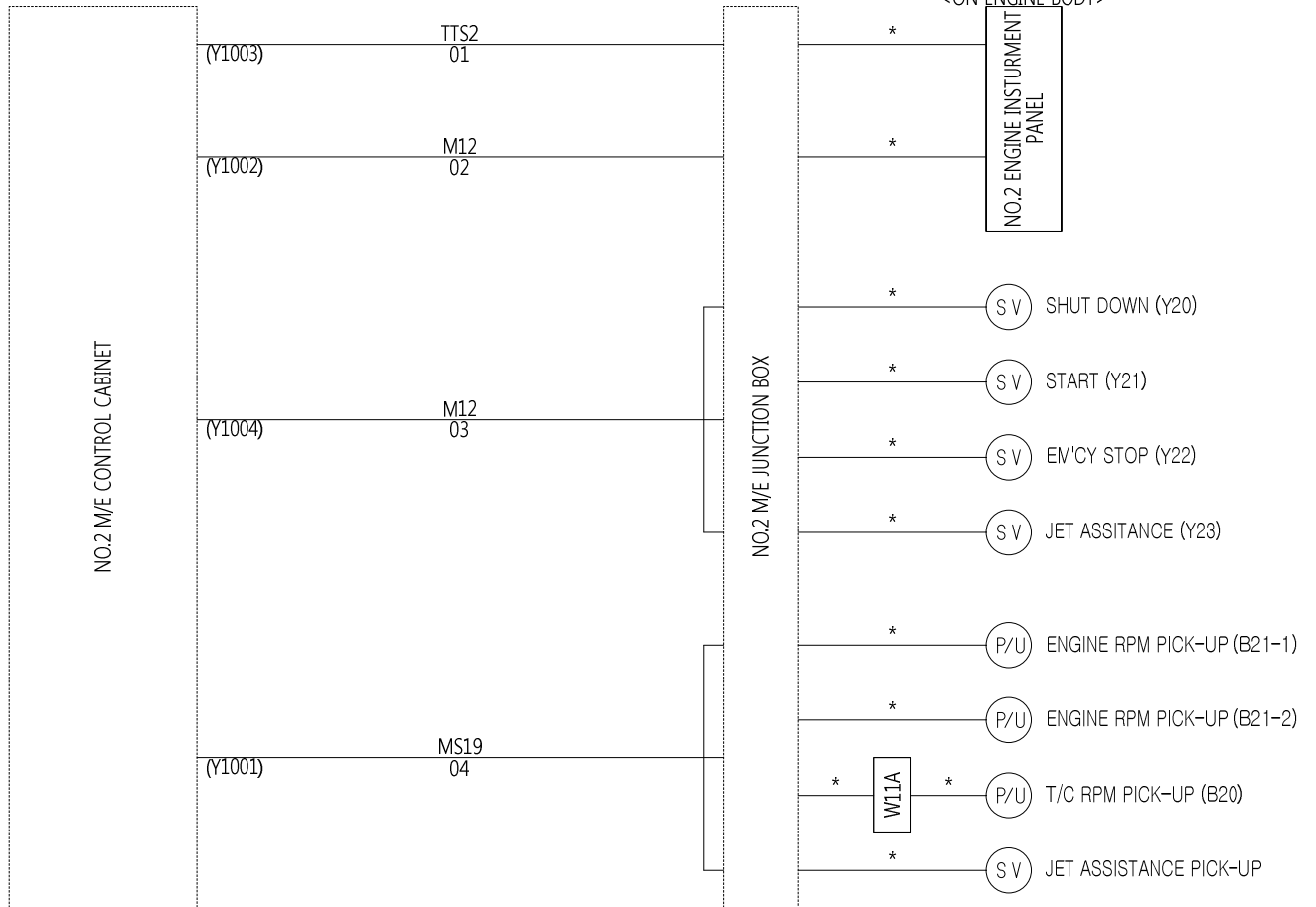


1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (5/12)

PAGE	C17
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

<ON ENGINE BODY>

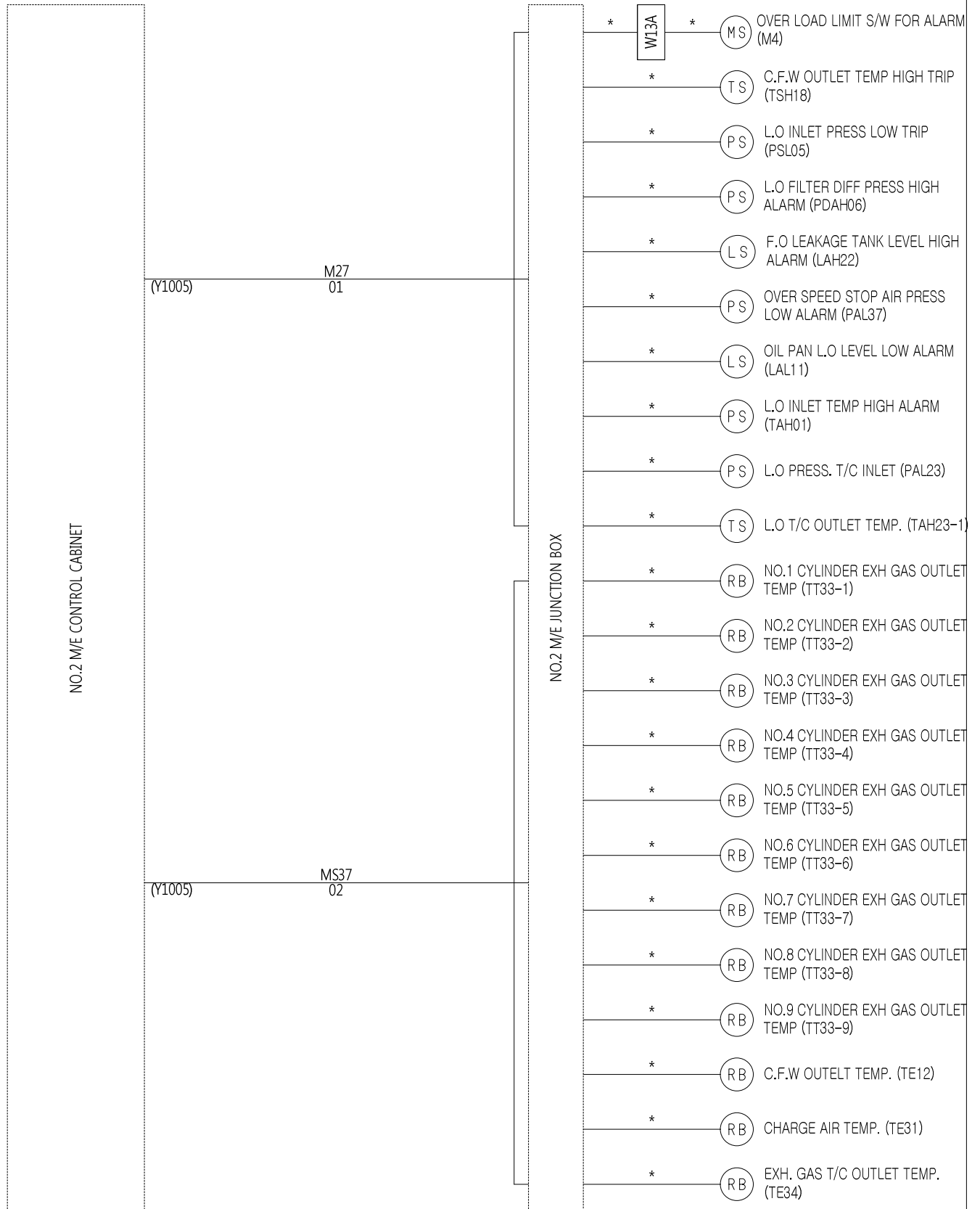




1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (6/12)

PAGE	C18
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

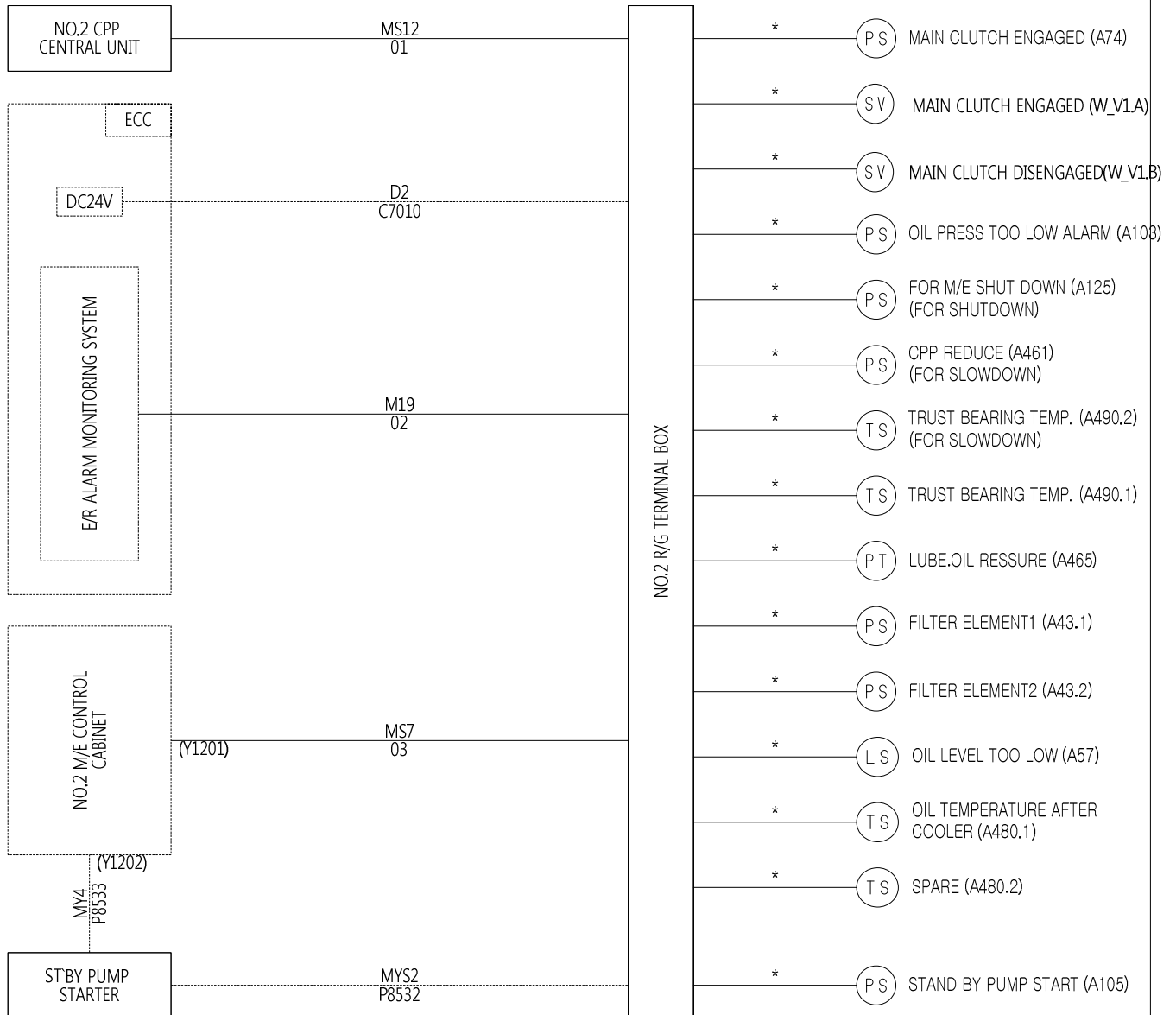




1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (7/12)

PAGE	C19
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE
R/G MAKER :

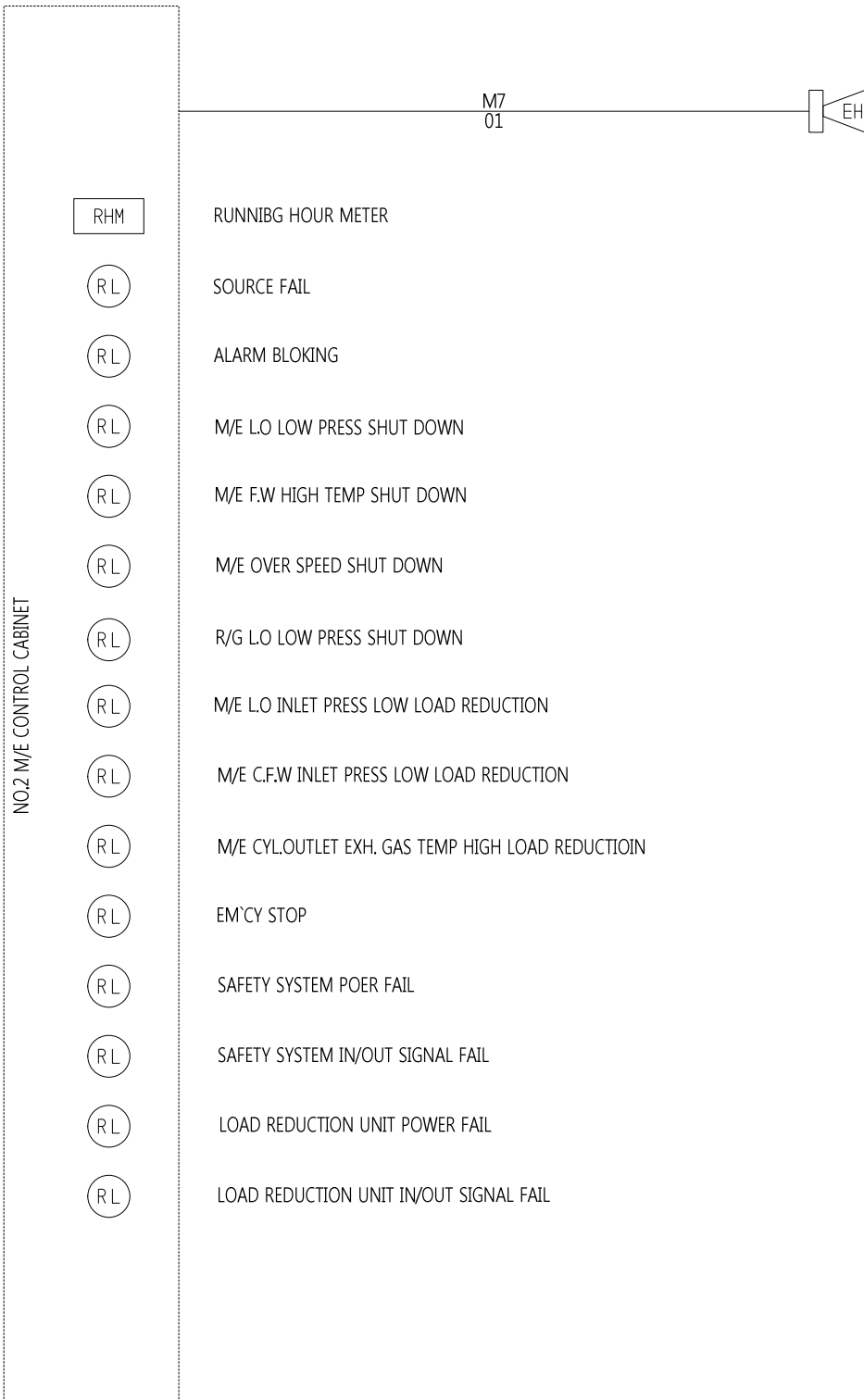




1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (8/12)

PAGE	C20
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

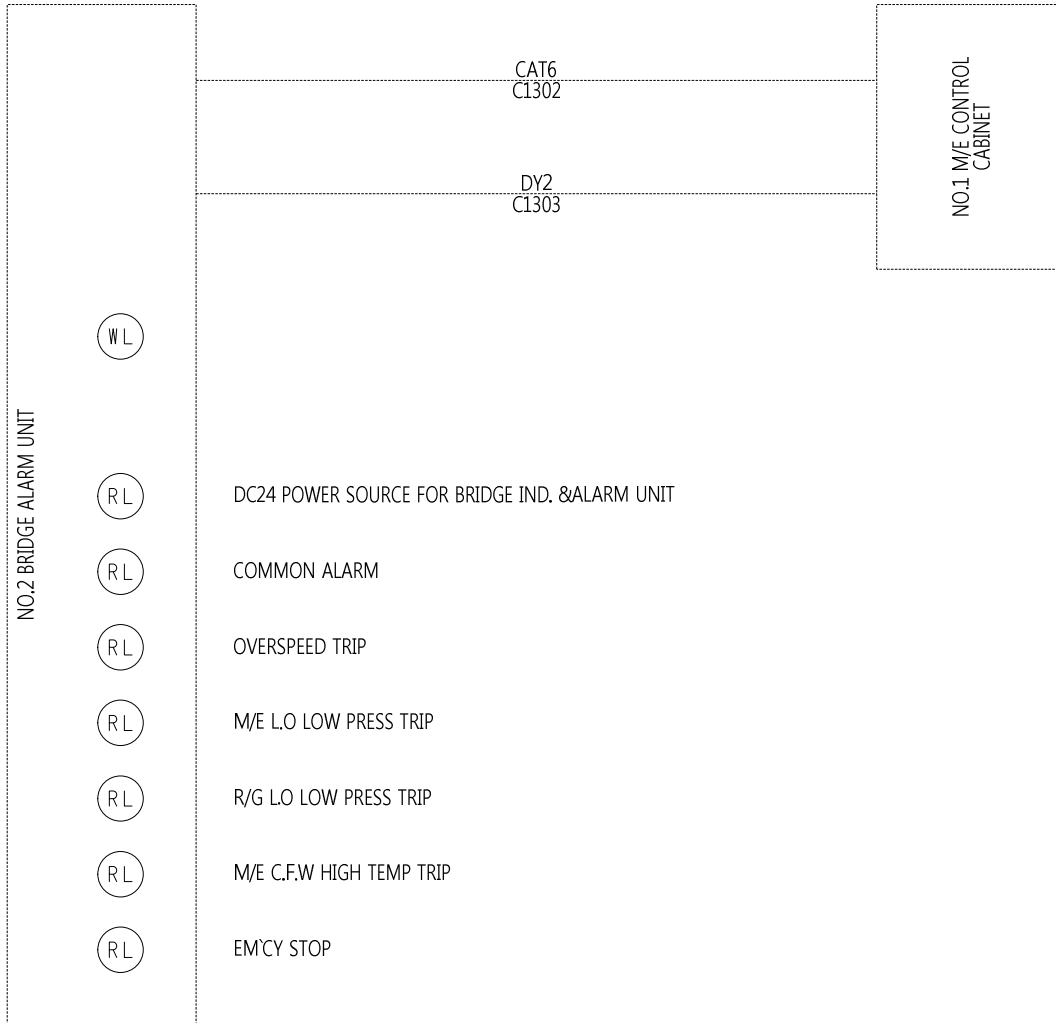




1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (9/12)

PAGE	C21
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE





1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (10/12)

PAGE	C22
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

NO.2 BRIDGE HMI

- | | |
|----|---------------------------------------|
| RL | M/E C.F.W INLET LOW PRESS REDUCT |
| RL | M/E C.F.W OUTLET HIGH TEMP REDUCT |
| RL | M/E CYL EXH OUT HIGH TEMP REDUCT |
| RL | M/E L.O INLET LOW PRESS REDUCT |
| RL | M/E L.O FILTER DIFF. PRESS HIGH ALARM |
| RL | STERN TUBE OIL TK LOW LEVEL ALARM |
| RL | R/G LO PITCH SERVO OIL LOW LEVEL |
| RL | TELEGRAPH FAIL AL |
| RL | POWER SUPPLY UNIT DC SOURCE FAIL |
| RL | M/E OVERSPEED STOP AIR PRESS LOW |
| RL | M/E L.O INLET HIGH TEMP ALARM |
| RL | M/E OIL PAN LOW LEVEL ALARM |
| RL | E/R ALARM PANEL AC SOURCE FAIL |
| RL | M/E F.O LEAKAGE HIGH LEVEL ALARM |
| RL | SAFE SYSTEM POWER FAIL |
| RL | CLUTCH OIL INLET LOW PRESS ALARM |
| RL | REMOTE CONTROL SYSTEM POWER FAIL |
| RL | BACK-UP CONTROL SYSTEM POWER FAIL |
| RL | STERN TUBE BEARING C.S.W NON FLOW |
| RL | LOAD REDUCTION UNIT POWER FAIL |
| RL | LOAD REDUCTION IN/OUT SUGNAL FAIL |



1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (11/12)

PAGE	C23
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE





1. MAIN PROPULSION CONTROL SYSTEM
1.2 NO.2 M/E CPP CONTROL & ALARM SYSTEM (12/12)

PAGE	C24
HULL NO.	SB624
DWG NO.	2E363101EB

M/E MAKER : STX ENGINE

NO.2 ECR HMI

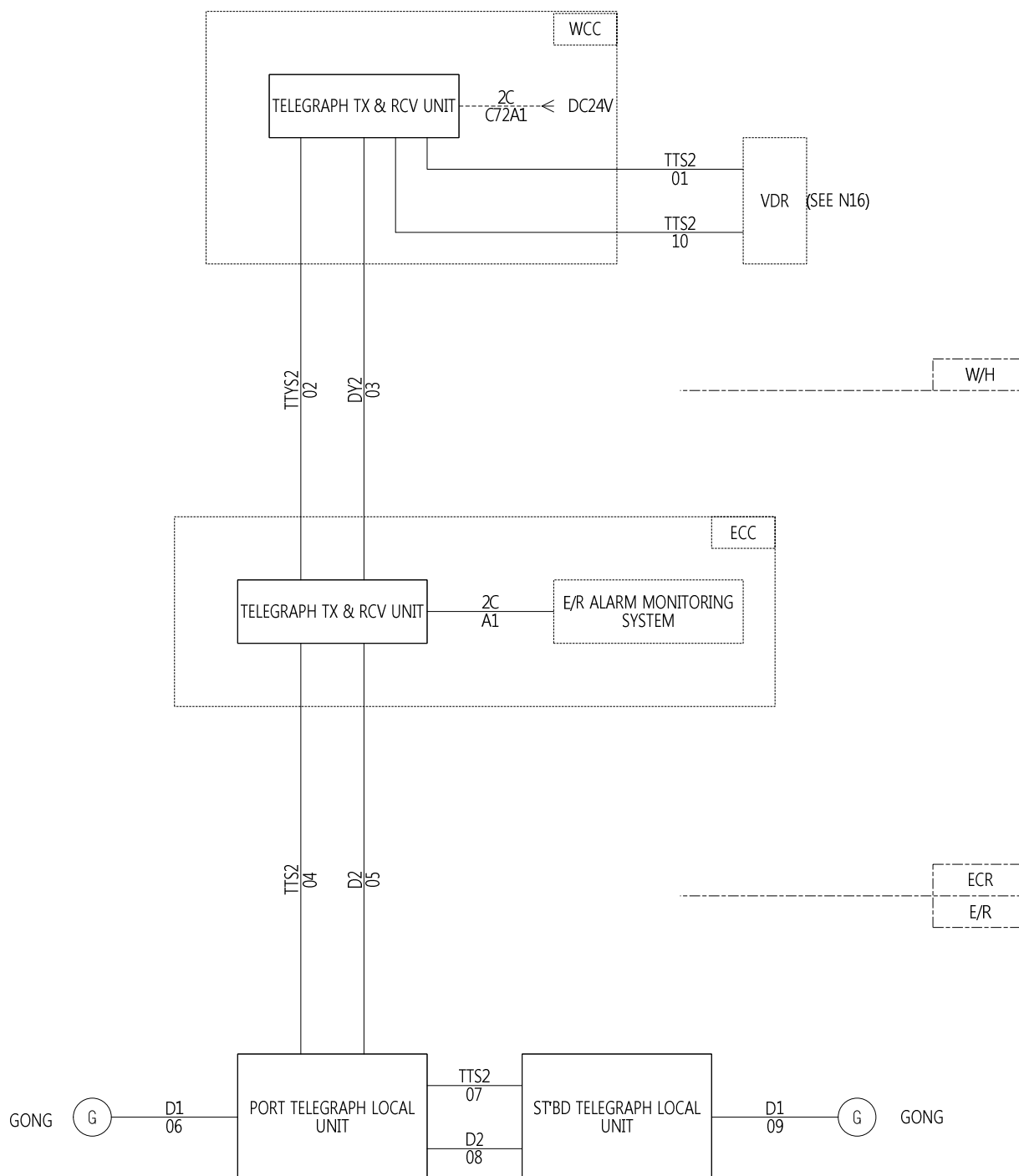
- | | |
|----|-----------------------------------|
| RL | STERN TUBE OIL TK LOW LEVEL ALARM |
| RL | R/G LO/PITCH SERVO OIL LOW LEVEL |
| RL | TELEGRAPH FAIL AL |
| RL | POWER SUPPLY UNIT DC SOURCE FAIL |
| RL | M/E OVERSPEED STOP AIR PRESS LOW |
| RL | M/E LO INLET HIGH TEMP ALARM |
| RL | M/E OIL PAN LOW LEVEL ALARM |
| RL | E/R ALARM PANEL AC SOURCE FAIL |
| RL | M/E F.O LEAKAGE HIGH LEVEL ALARM |
| RL | SAFETY SYSTEM POWER FAIL |
| RL | CLUTCH OIL INLET LOW PRESS ALARM |
| RL | REMOTE CONTROL SYSTEM POWER FAIL |
| RL | BACK-UP CONTROL SYSTEM POWER FAIL |
| RL | STERN TUBE BEARING C.S.W NON FLOW |
| RL | LOAD REDUCTION UNIT POWER FAIL |
| RL | LOAD REDUCTION IN/OUT SIGNAL FAIL |



1. MAIN PROPULSION CONTROL SYSTEM
1.3 ENGINE TELEGRAPH SYSTEM

PAGE	C25
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

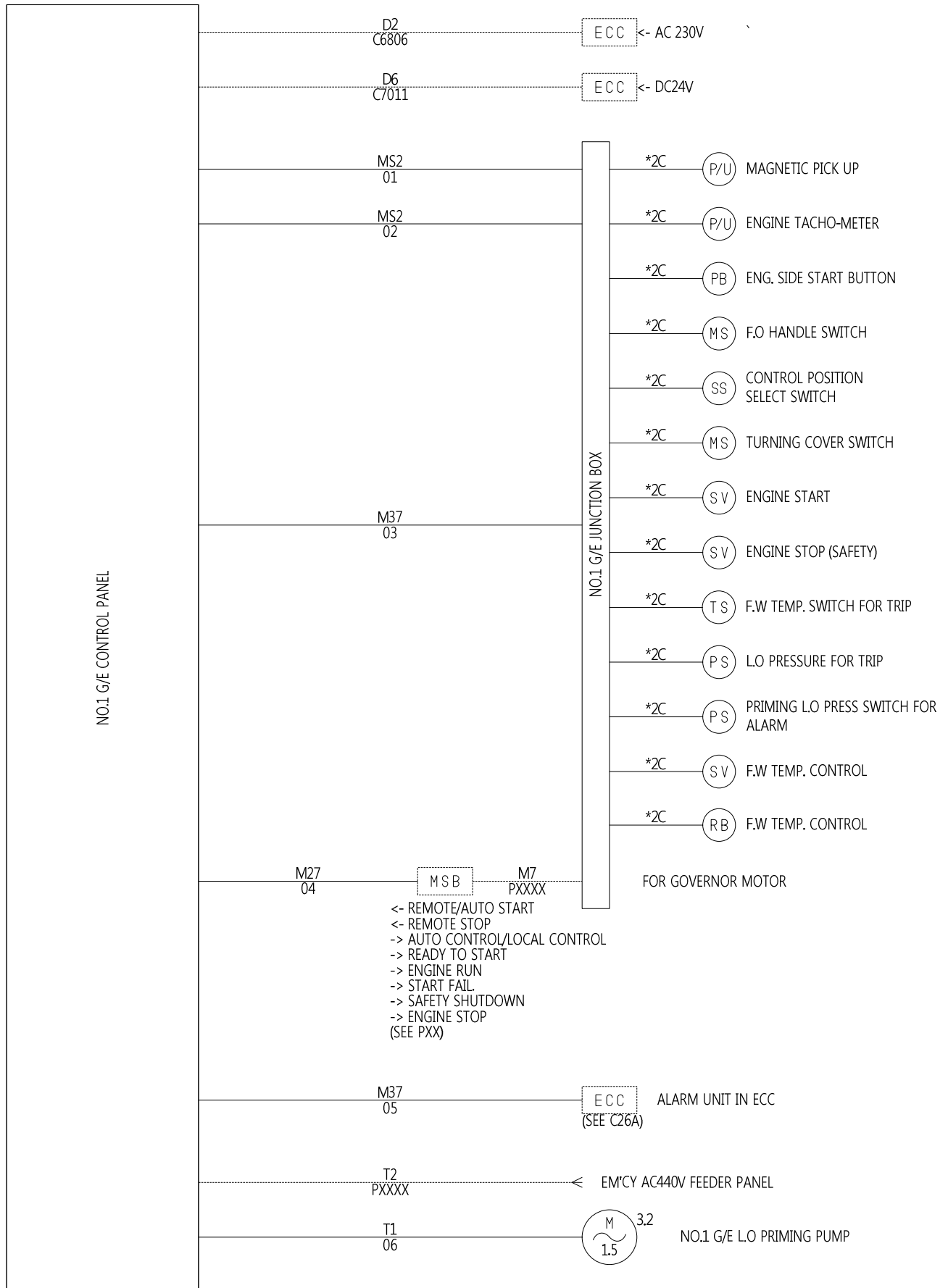




2. E/R MACHINERY CONTROL SYSTEM
2.1 NO.1 G/E CONTROL SYSTEM

PAGE	C26
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER : YANMAR

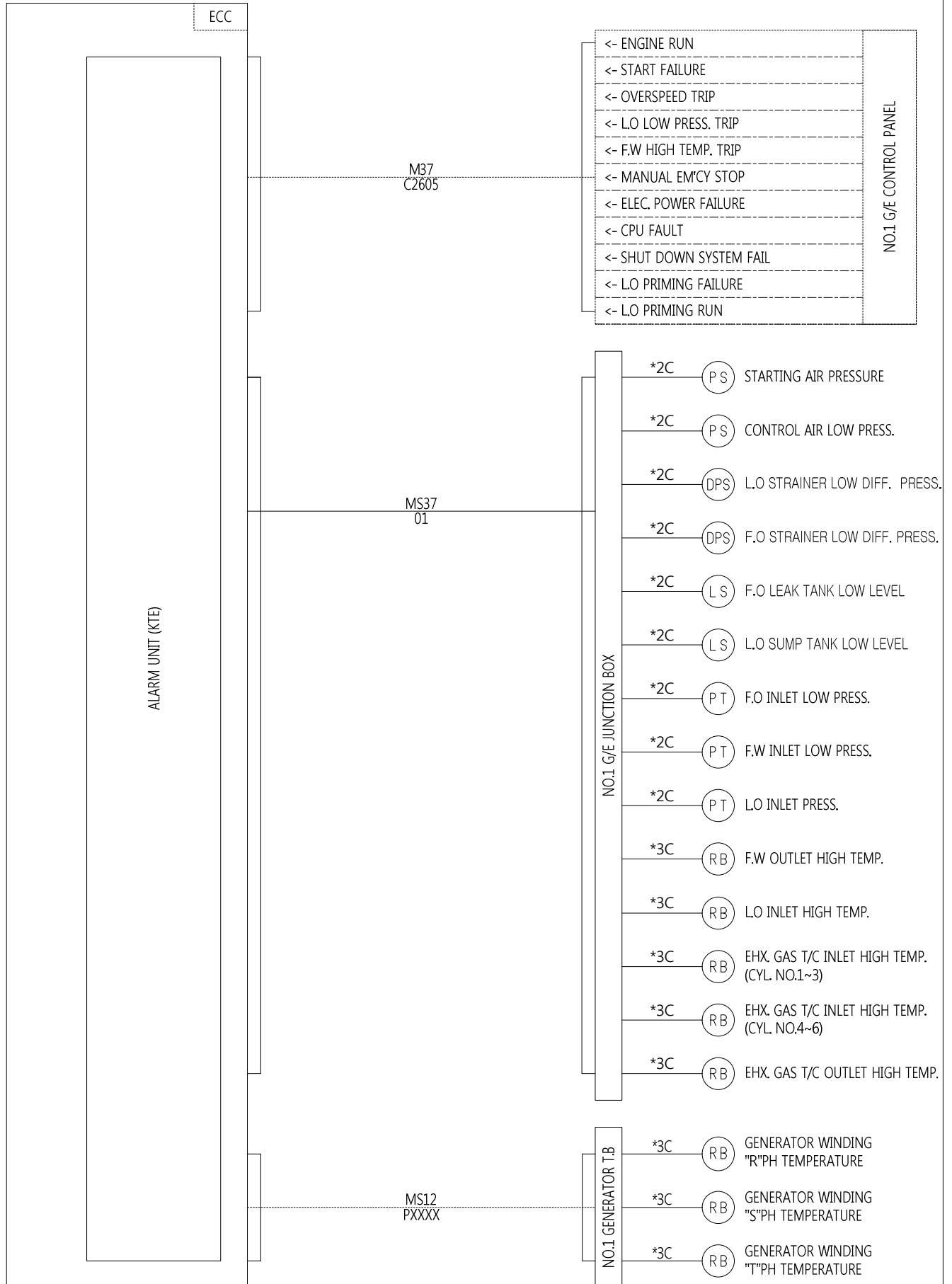




2. E/R MACHINERY CONTROL SYSTEM
2.2 ALARM UNIT FOR NO.1 G/E

PAGE	C26A
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER : YANMAR

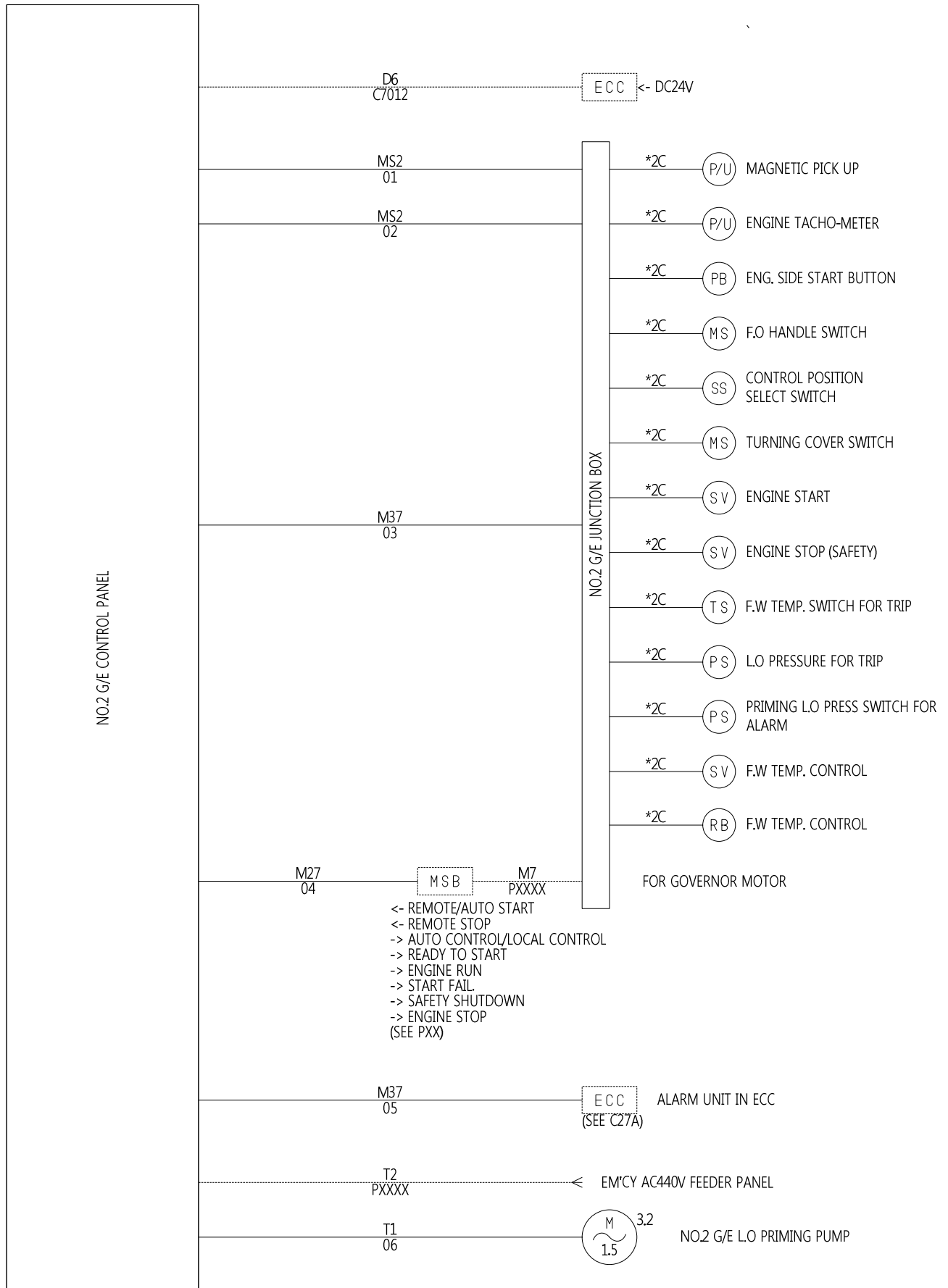




2. E/R MACHINERY CONTROL SYSTEM
2.3 NO.2 G/E CONTROL SYSTEM

PAGE	C27
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER : YANMAR

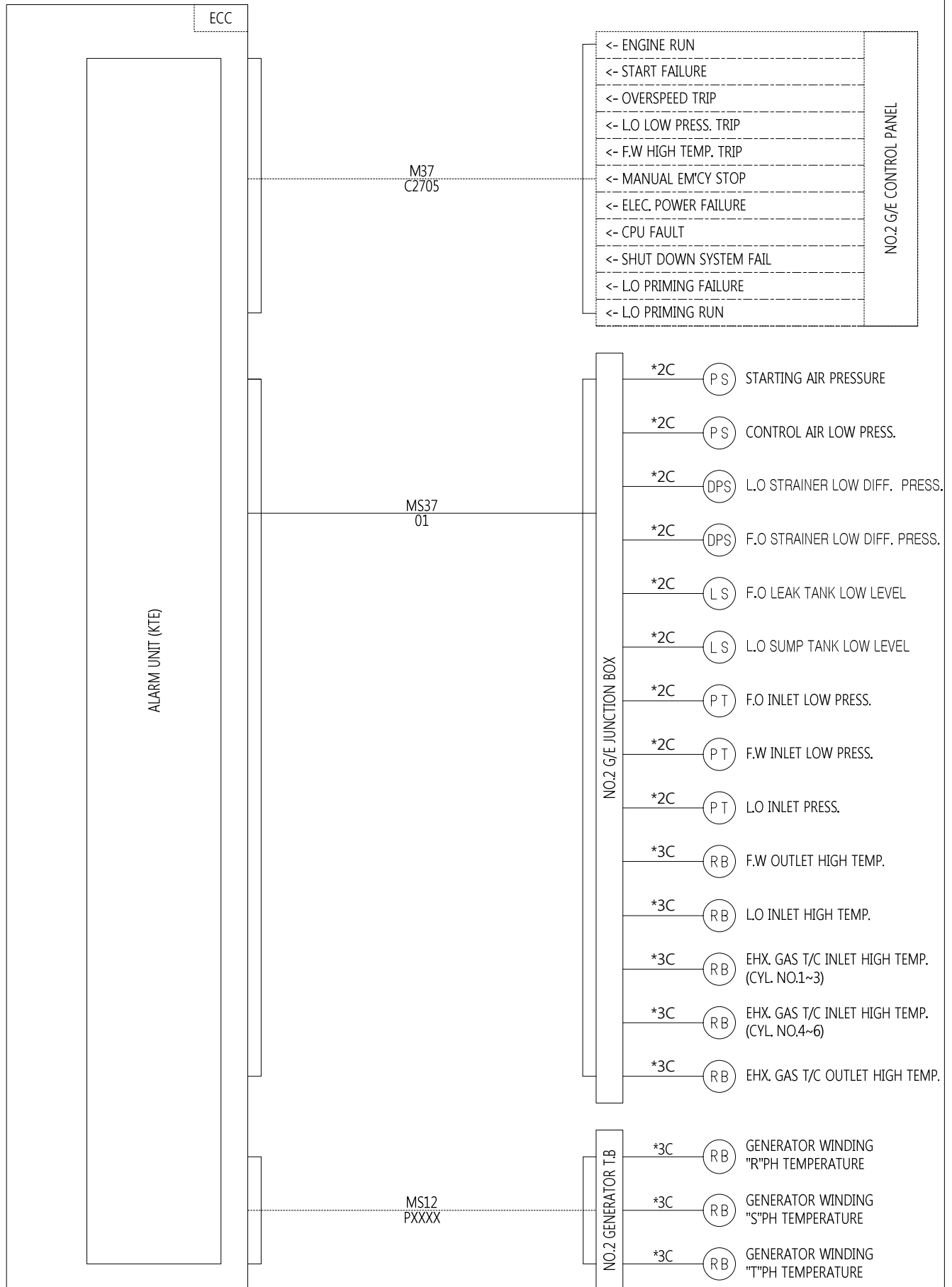




2. E/R MACHINERY CONTROL SYSTEM
2.4 ALARM UNIT FOR NO.2 G/E

PAGE	C27A
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER : YANMAR

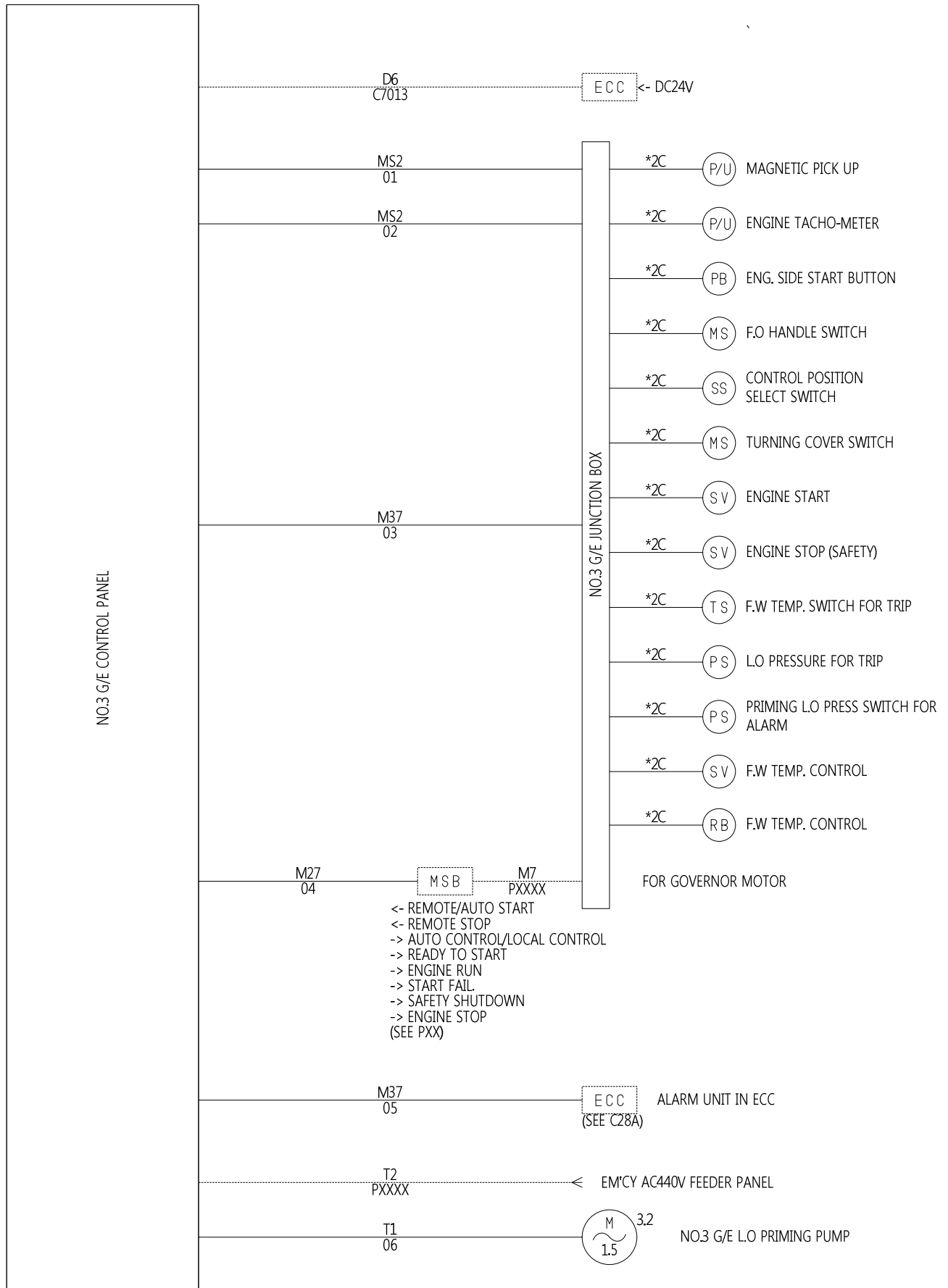




2. E/R MACHINERY CONTROL SYSTEM
2.5 NO.3 G/E CONTROL SYSTEM

PAGE	C28
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER : YANMAR

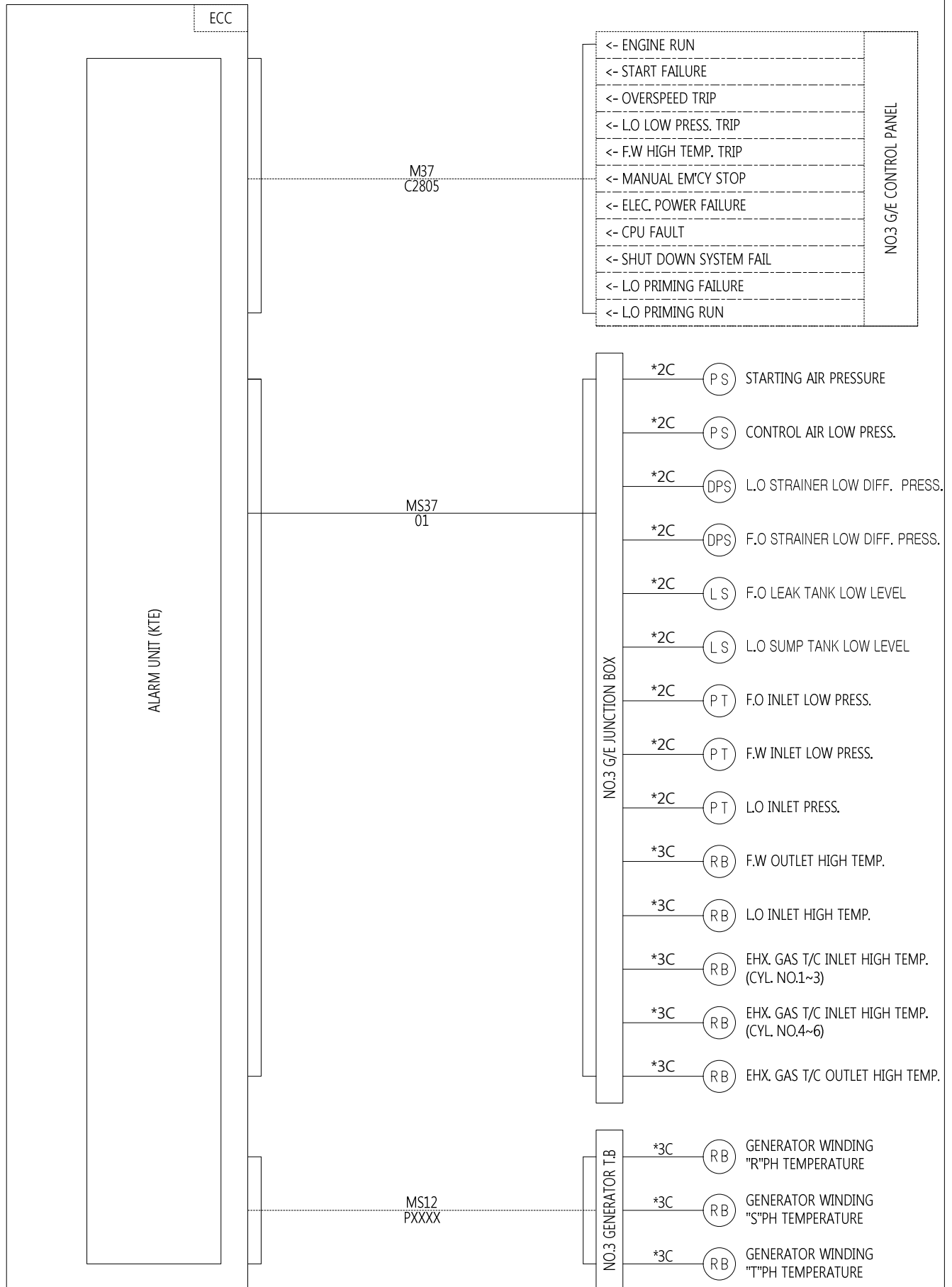




2. E/R MACHINERY CONTROL SYSTEM
2.6 ALARM UNIT FOR NO.3 G/E

PAGE	C28A
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER : YANMAR

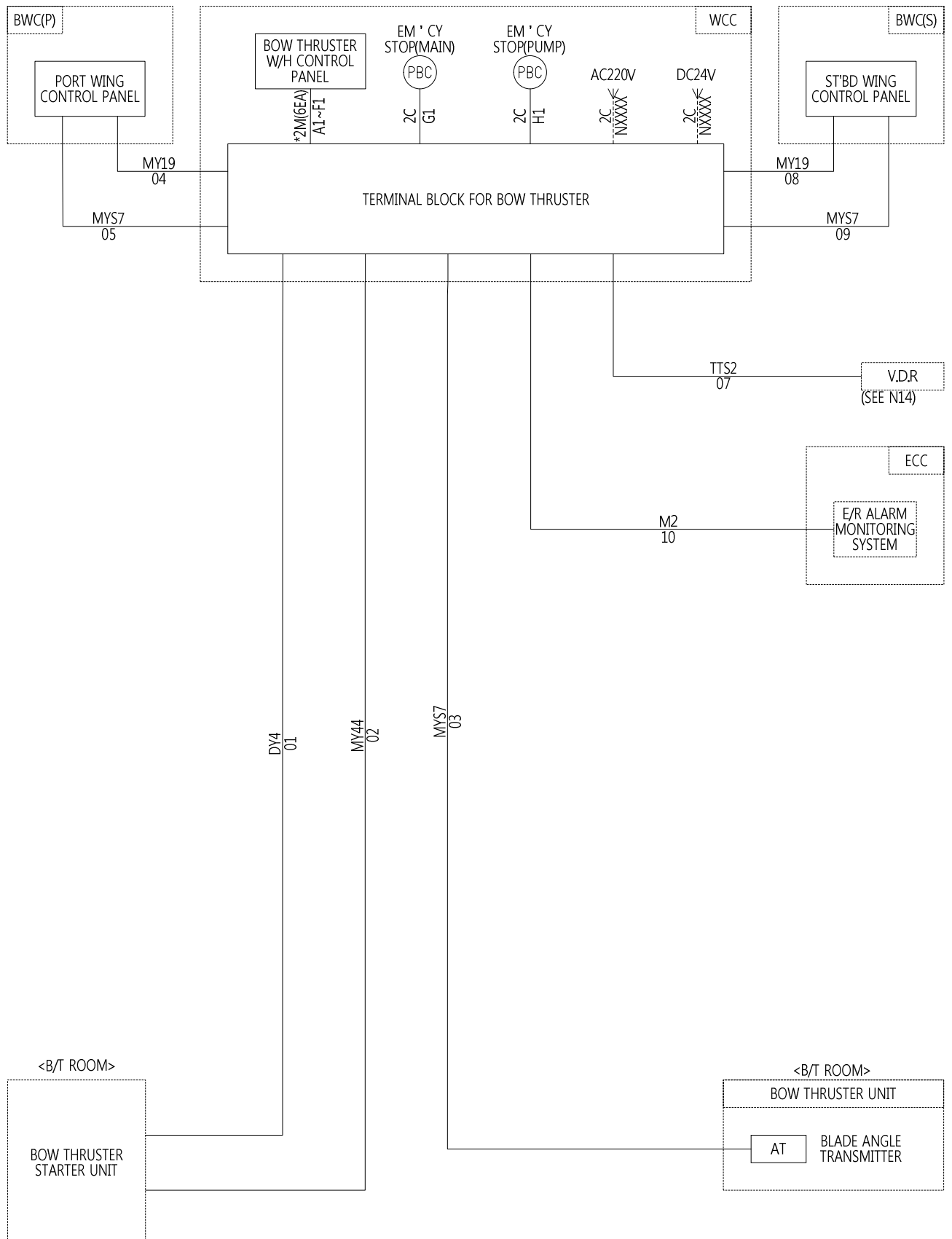




2. E/R MACHINERY CONTROL SYSTEM
2.7 BOW THRUSTER CONTROL SYSTEM

PAGE	C29
HULL NO.	SB624
DWG NO.	2E363101EB

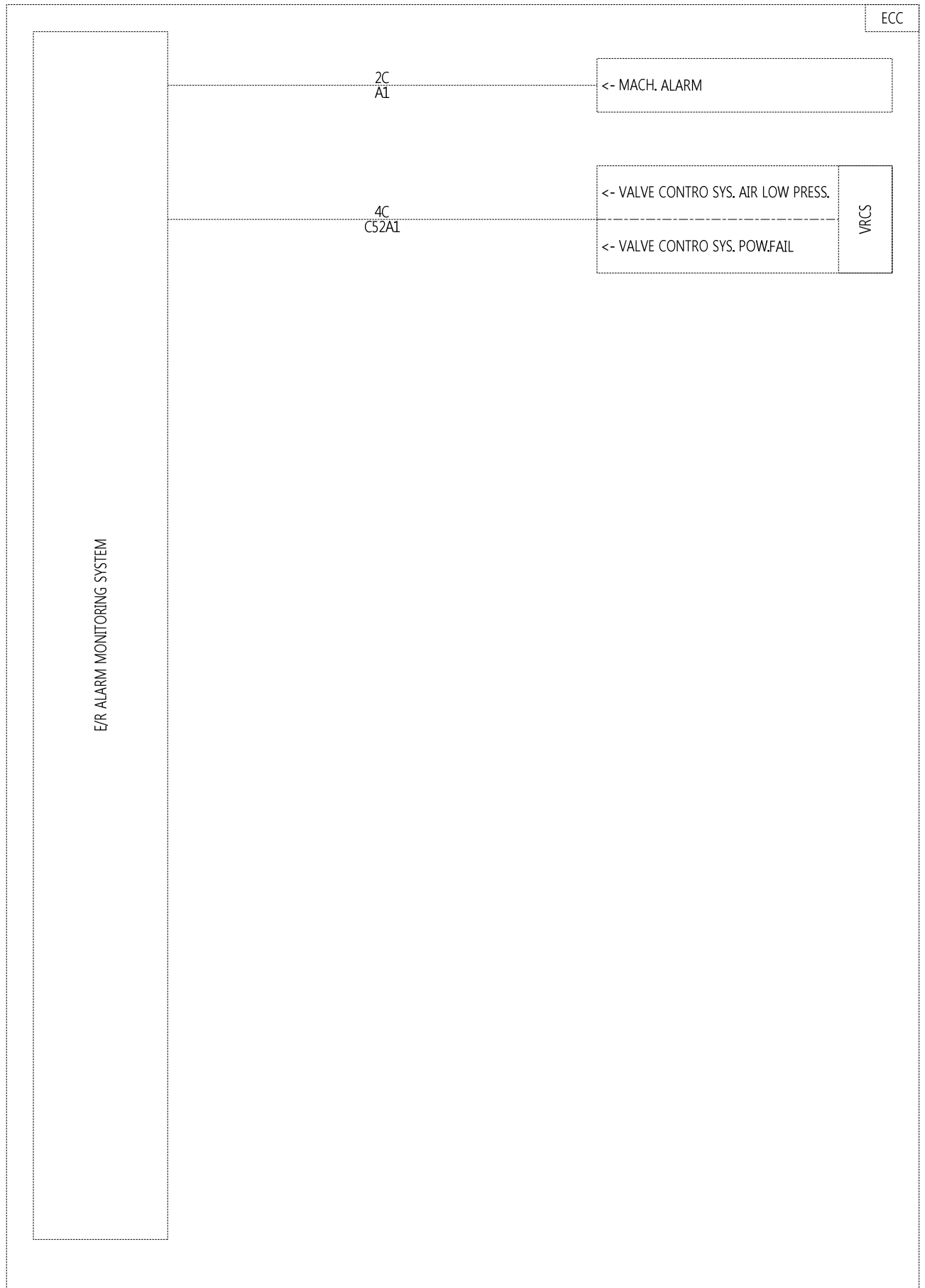
MAKER : KAWASAKI





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (1/16)

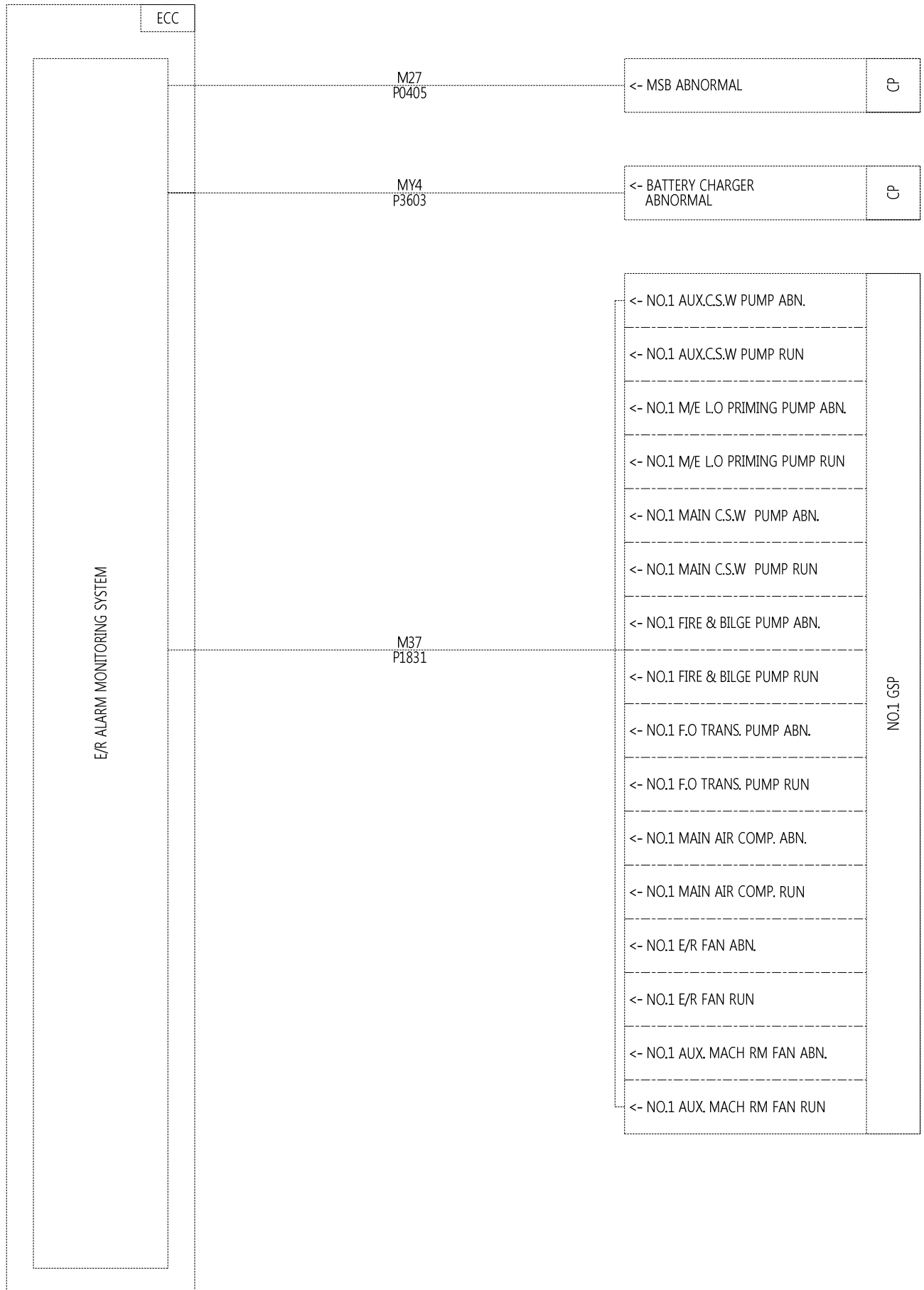
PAGE	C30
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (2/16)

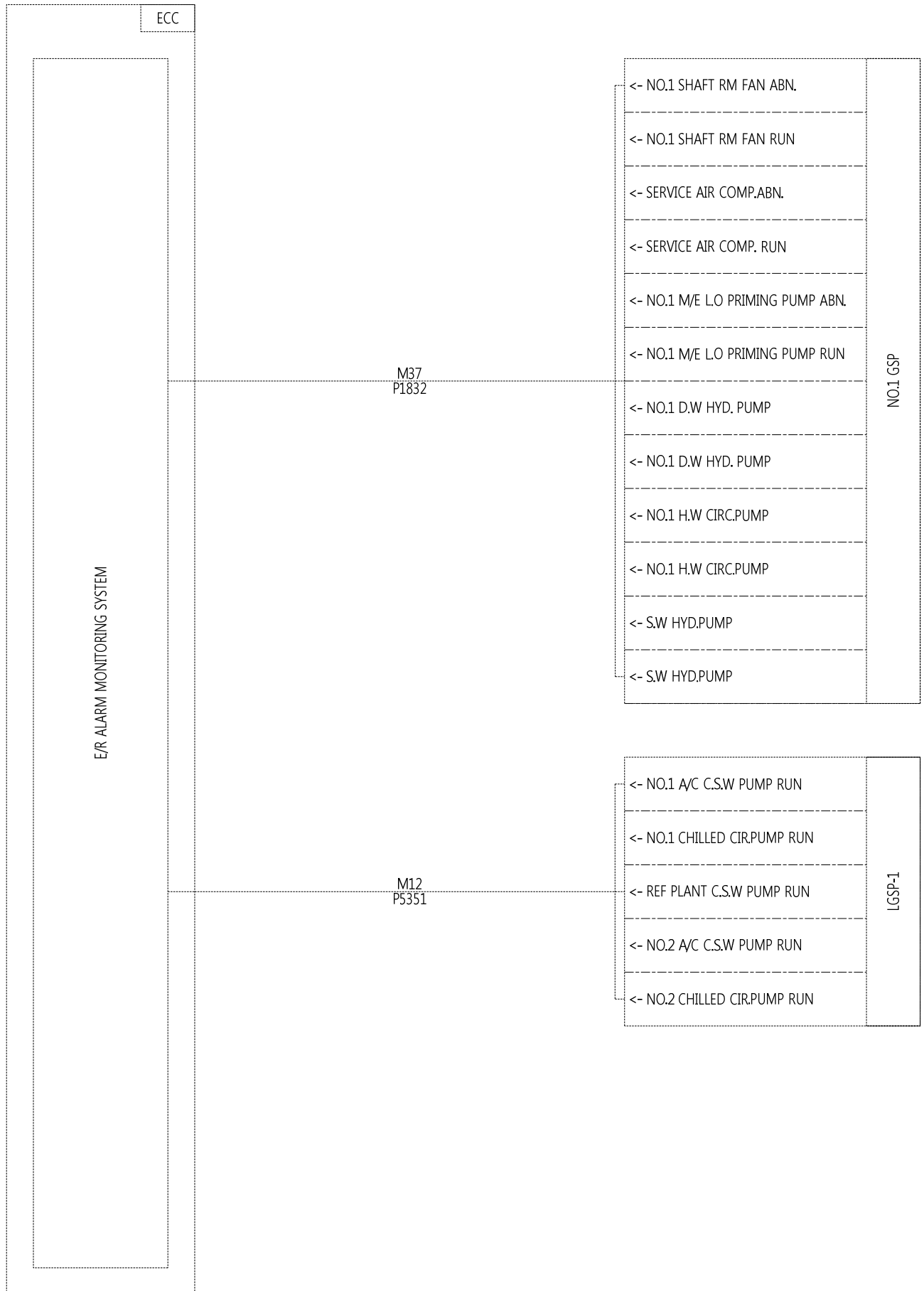
PAGE	C31
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (3/16)

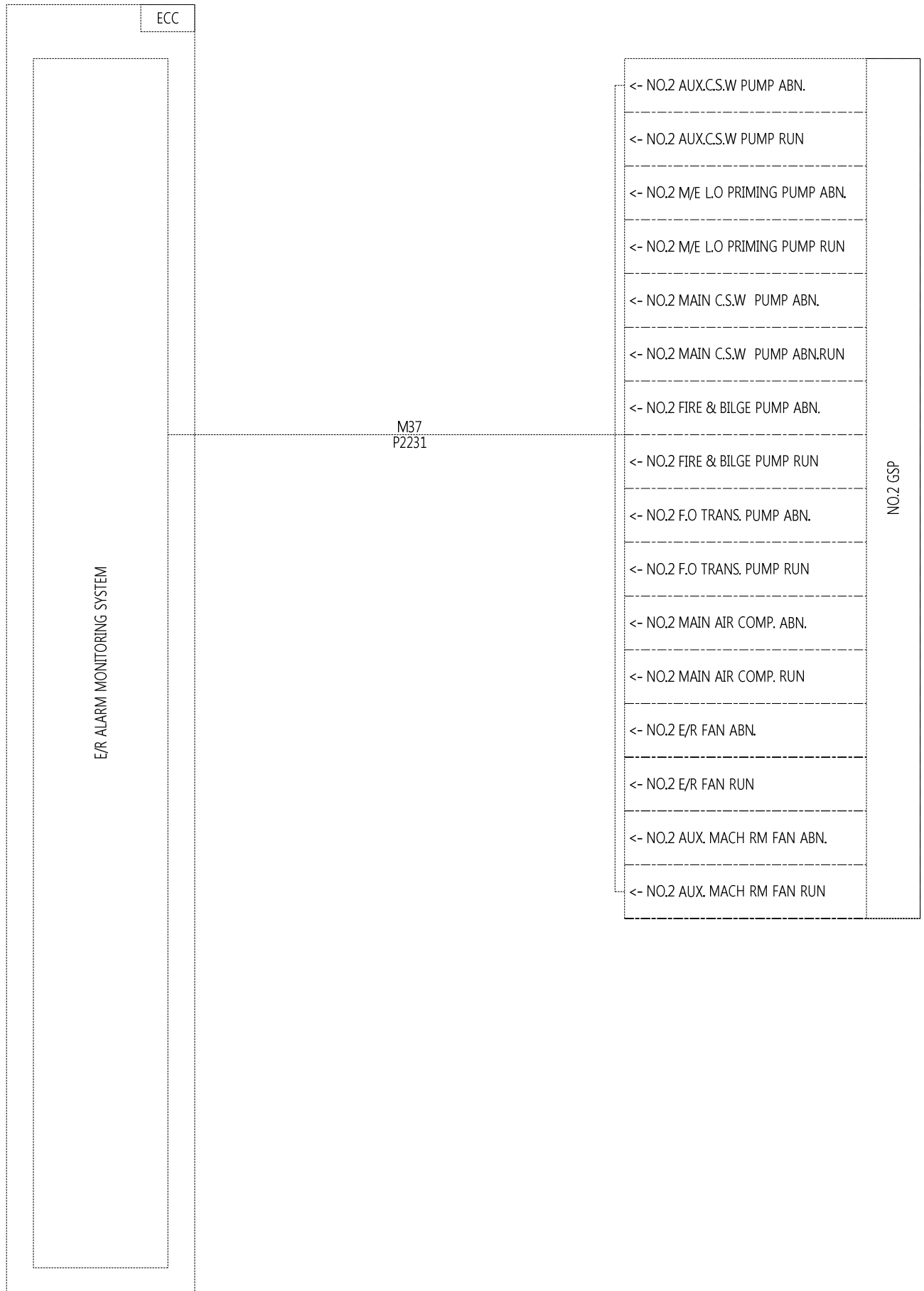
PAGE	C32
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (4/16)

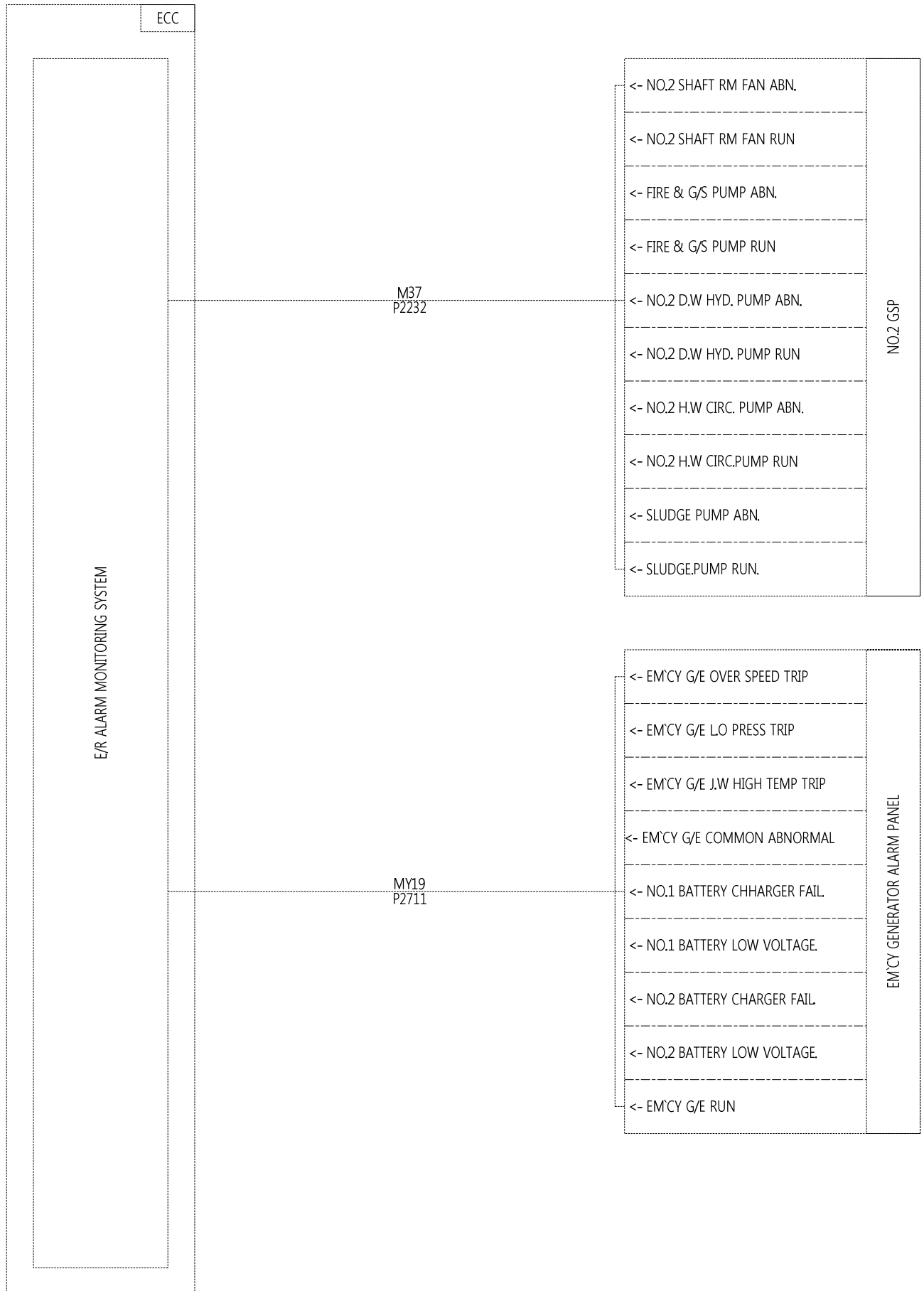
PAGE	C33
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (5/16)

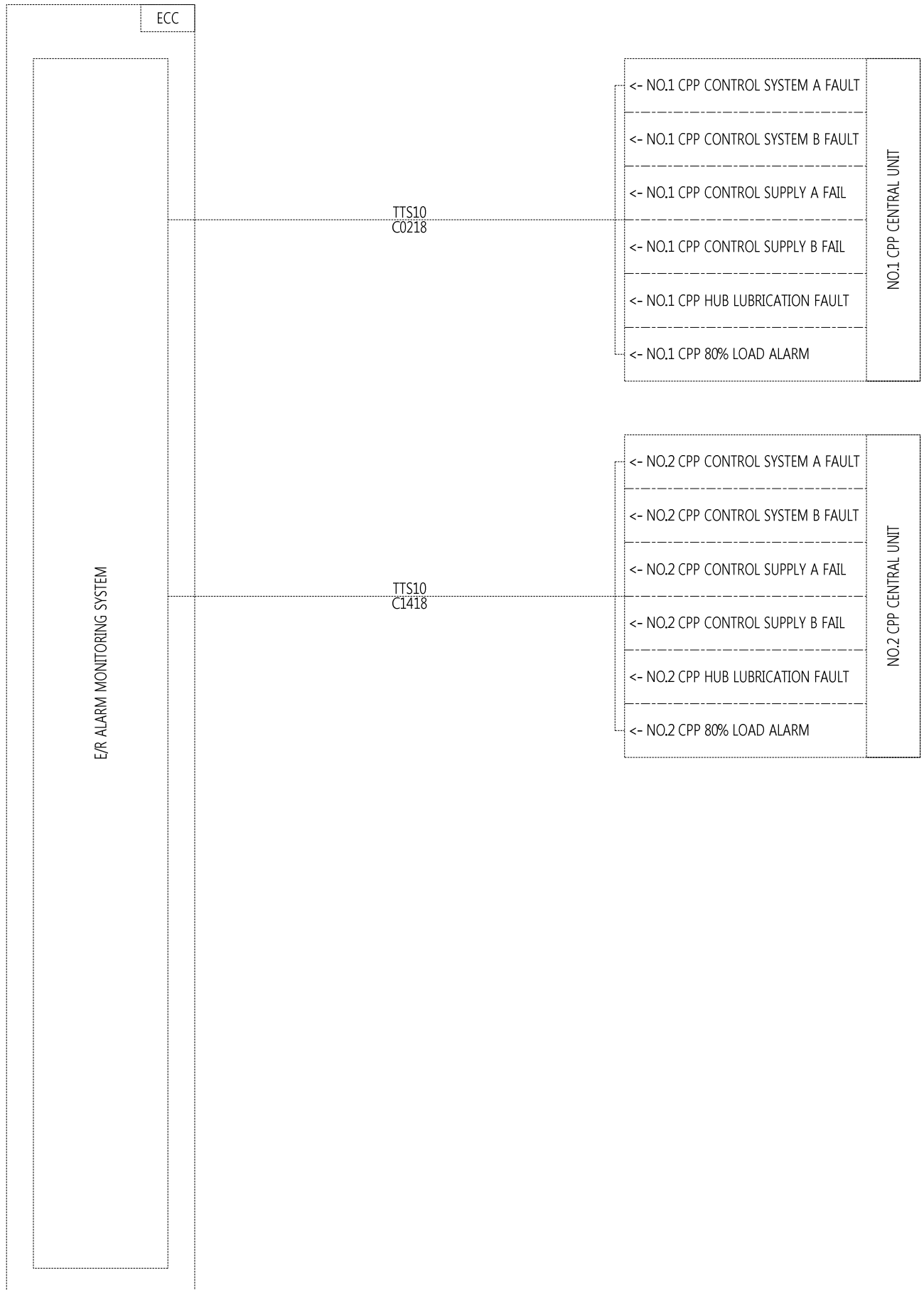
PAGE	C34
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (6/16)

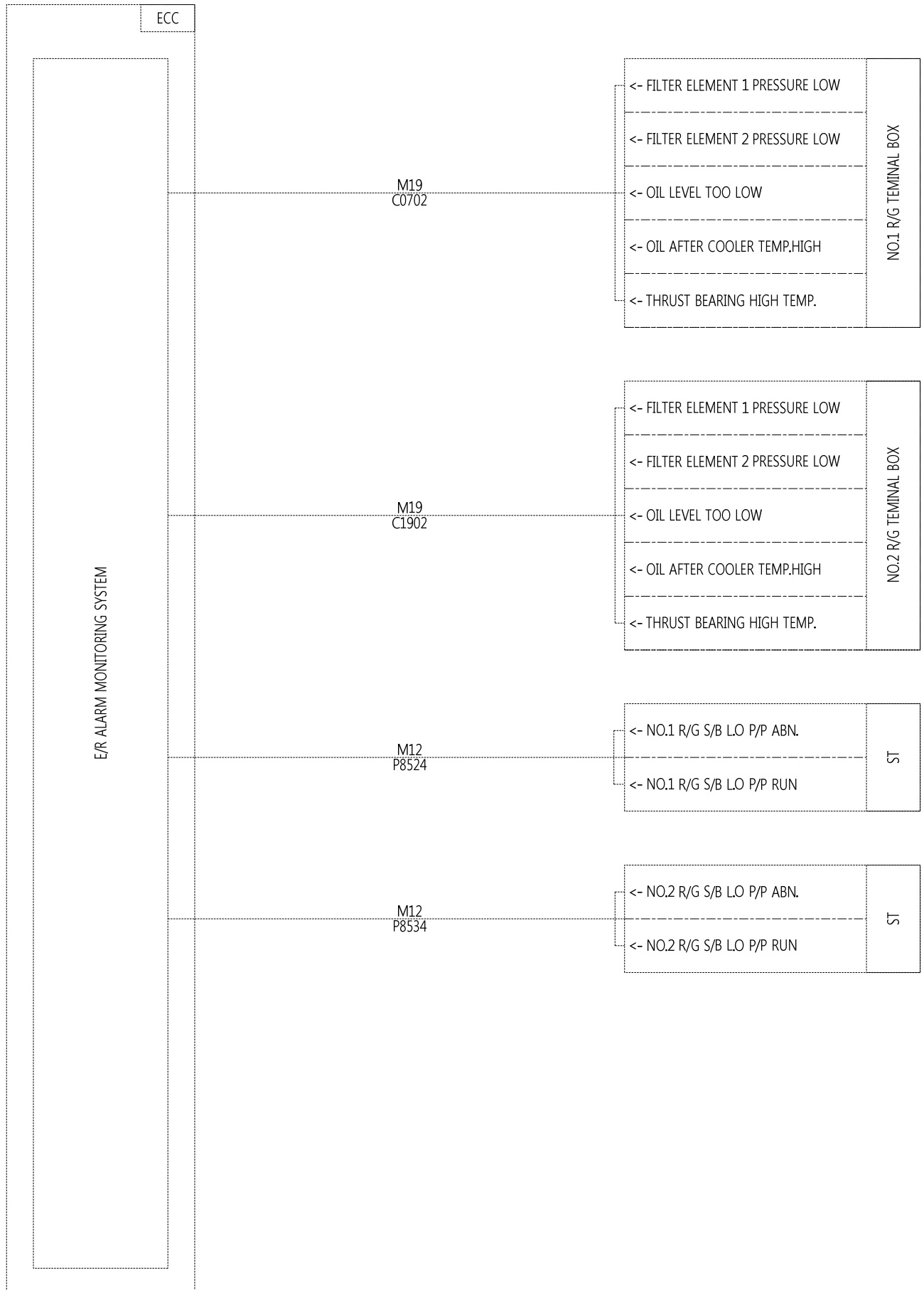
PAGE	C35
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (7/16)

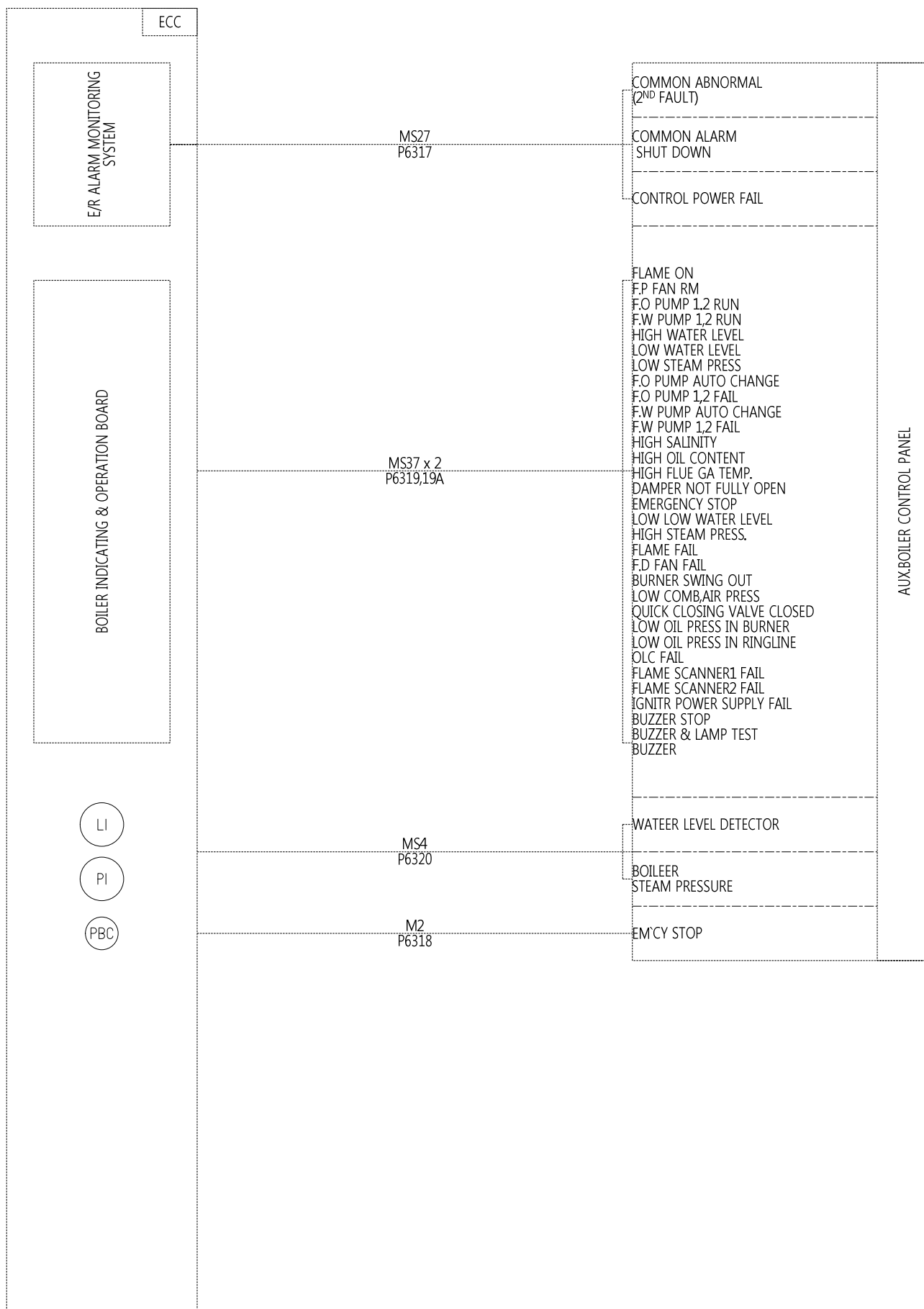
PAGE	C36
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (8/16)

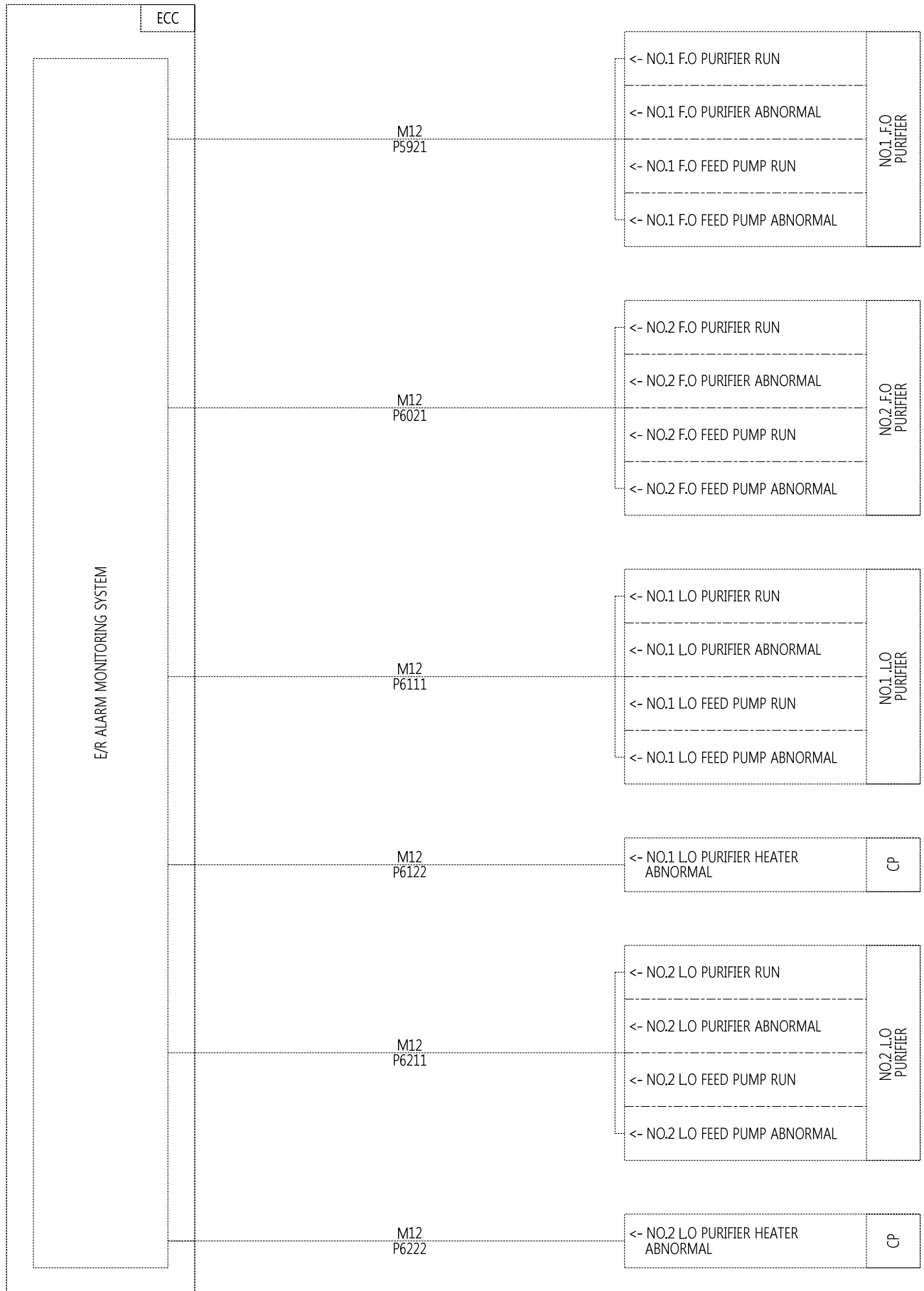
PAGE	C37
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (9/16)

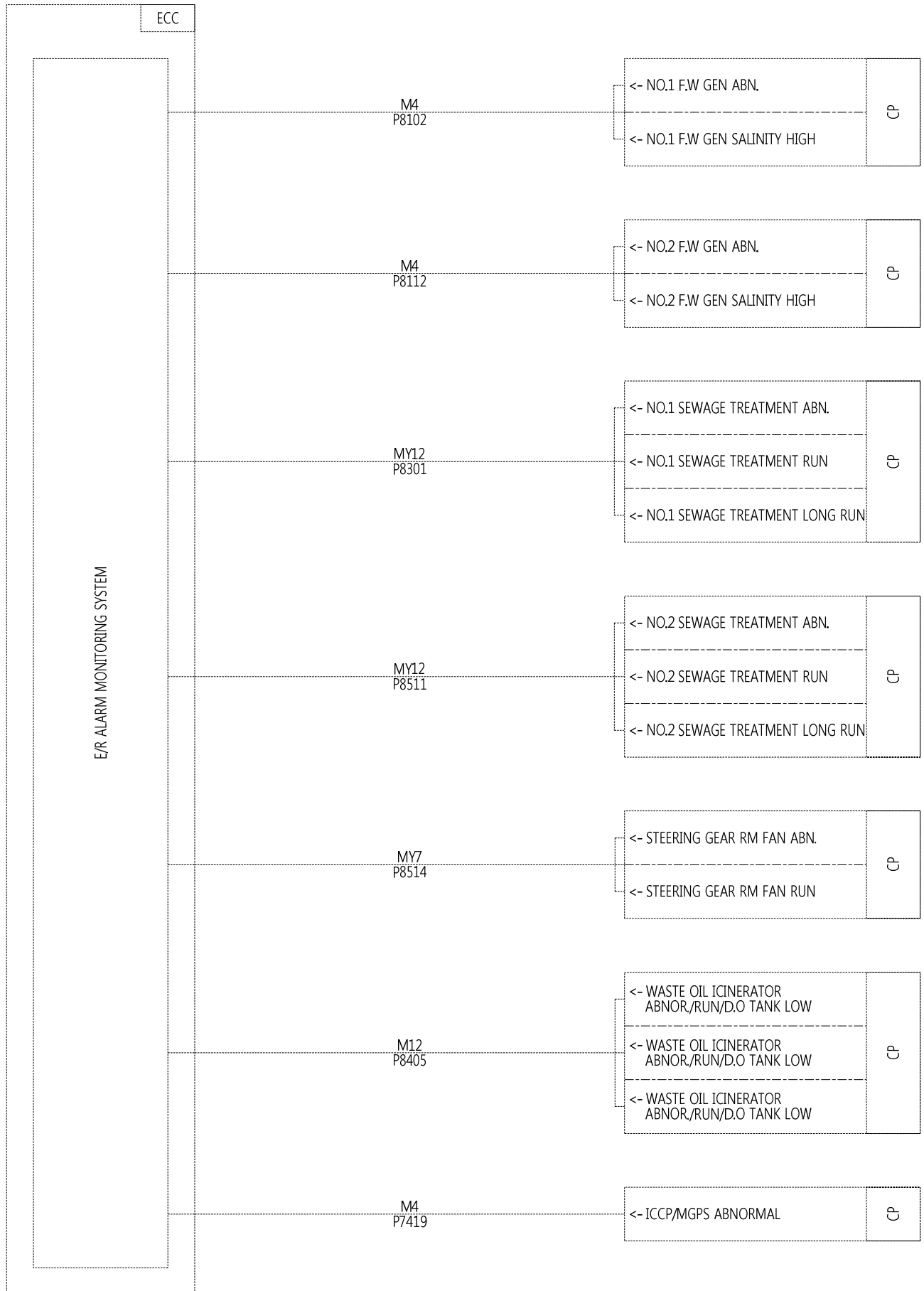
PAGE	C38
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (10/16)

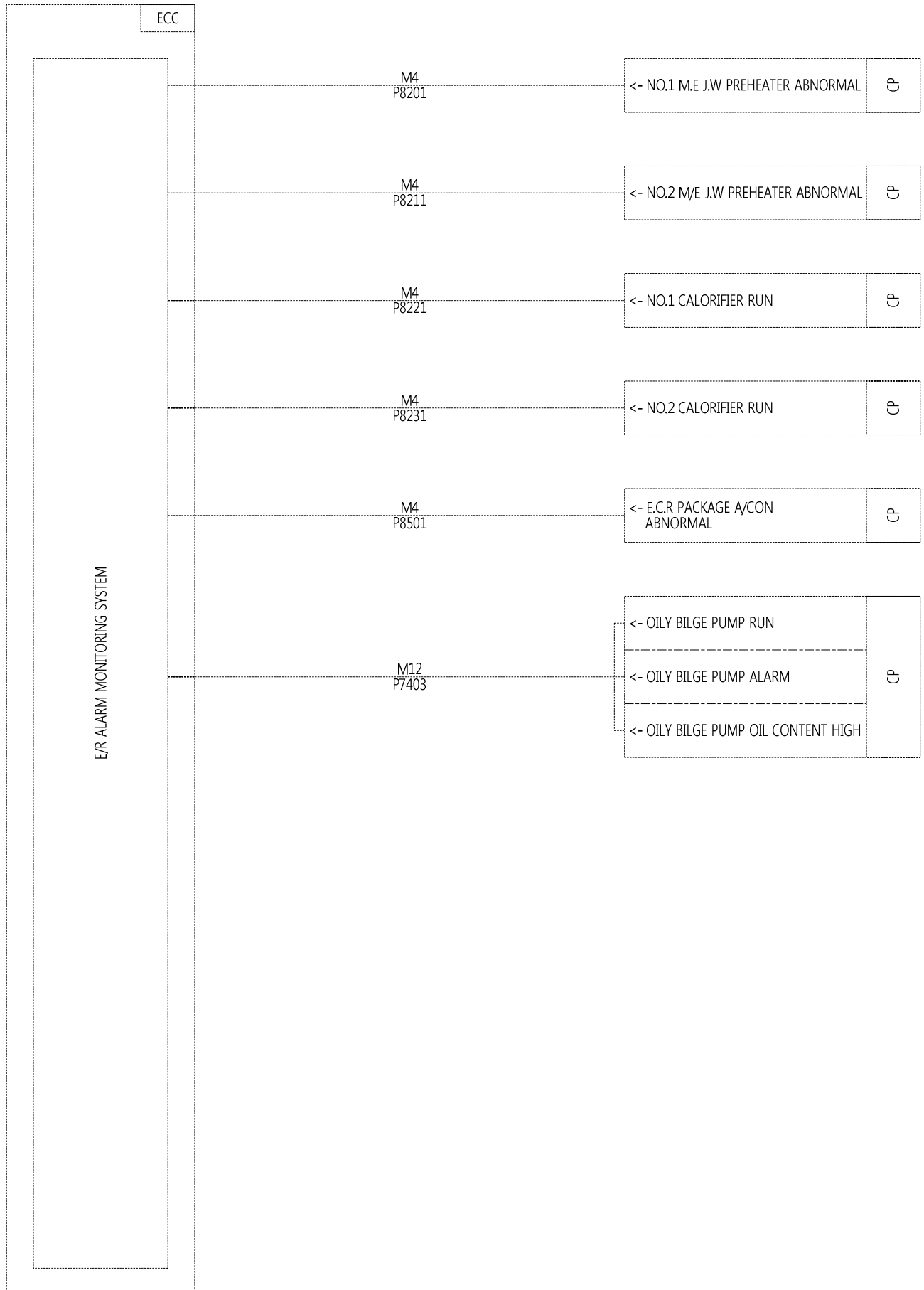
PAGE	C39
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (11/16)

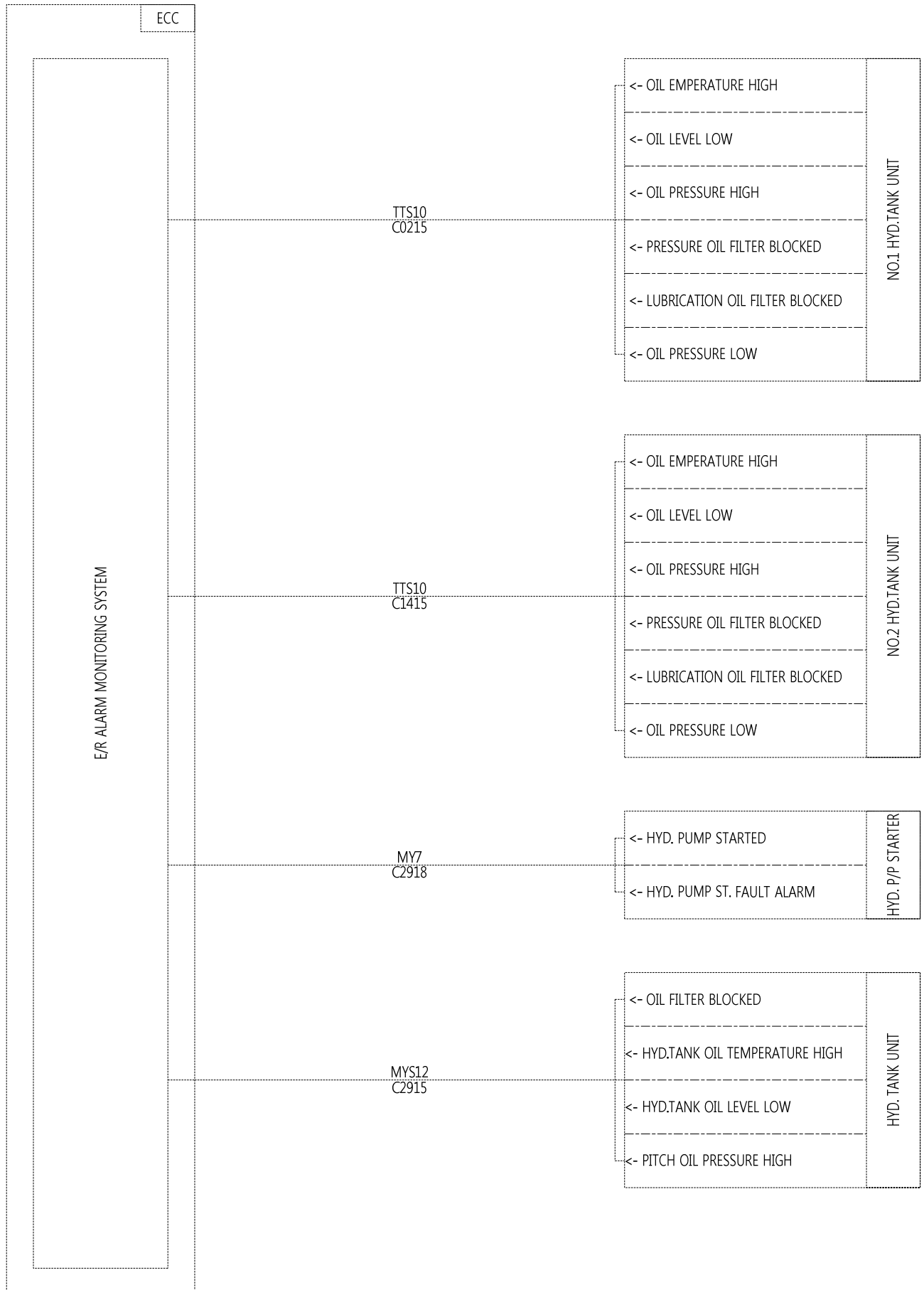
PAGE	C40
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (12/16)

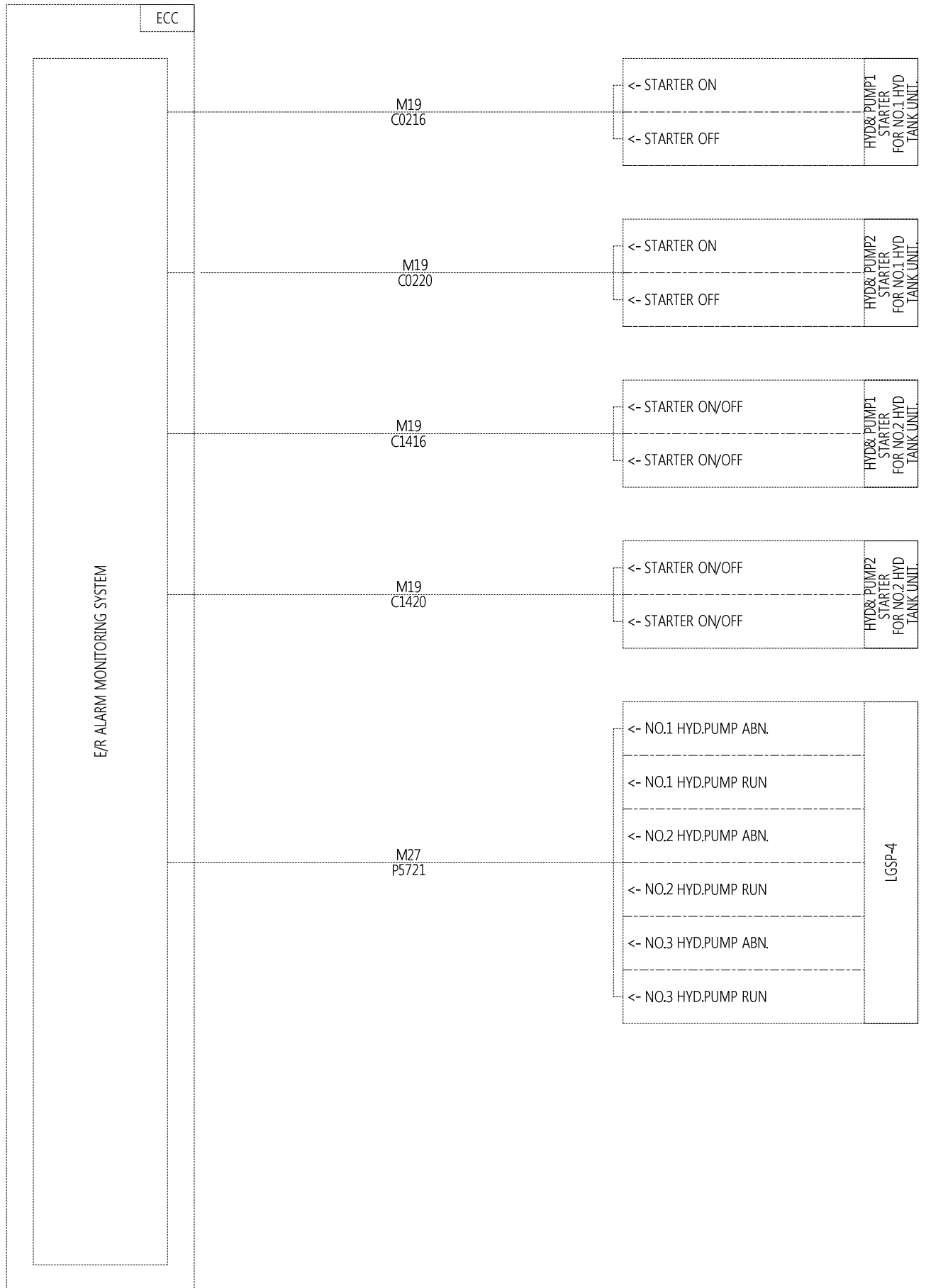
PAGE	C41
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (13/16)

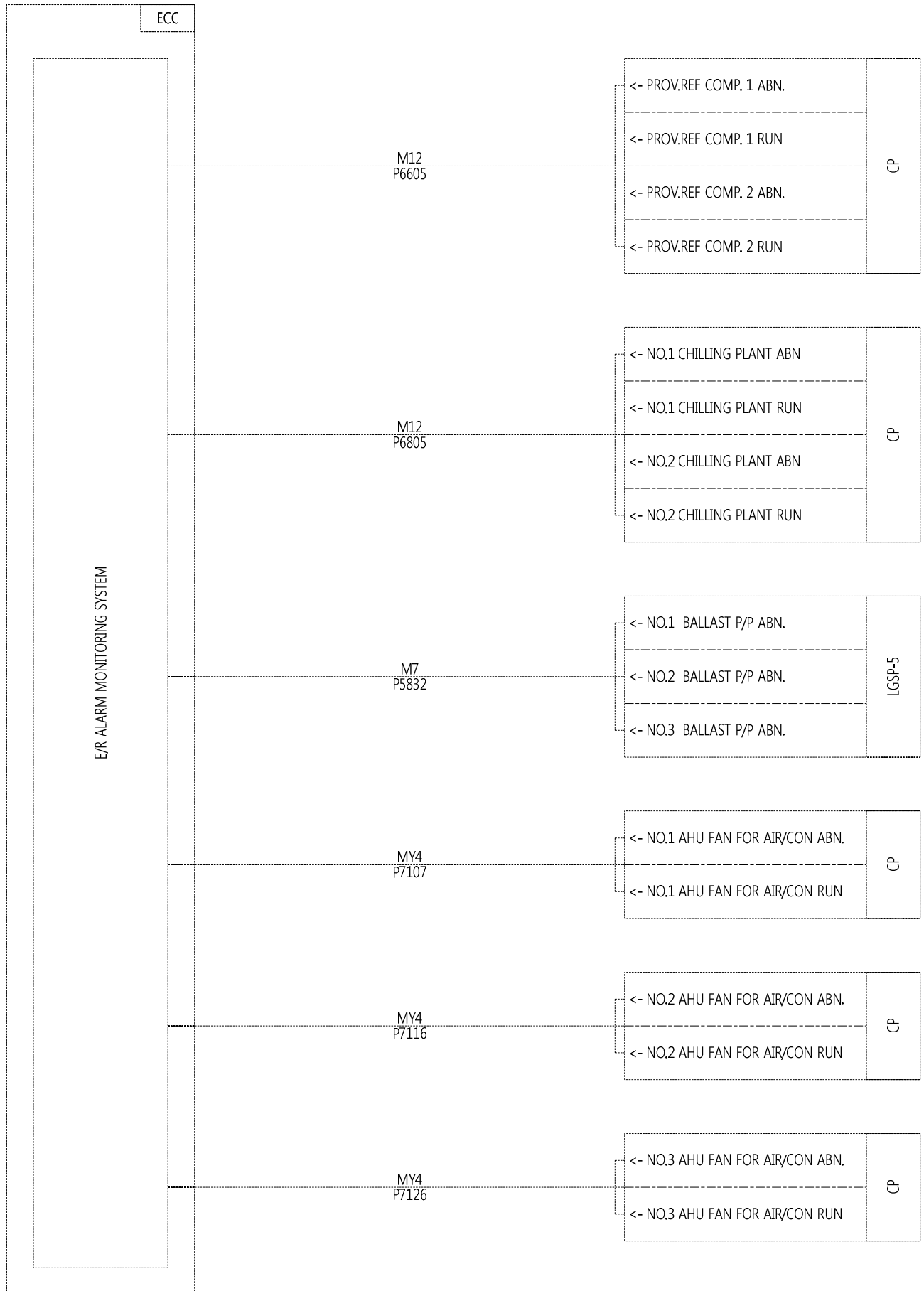
PAGE	C42
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (14/16)

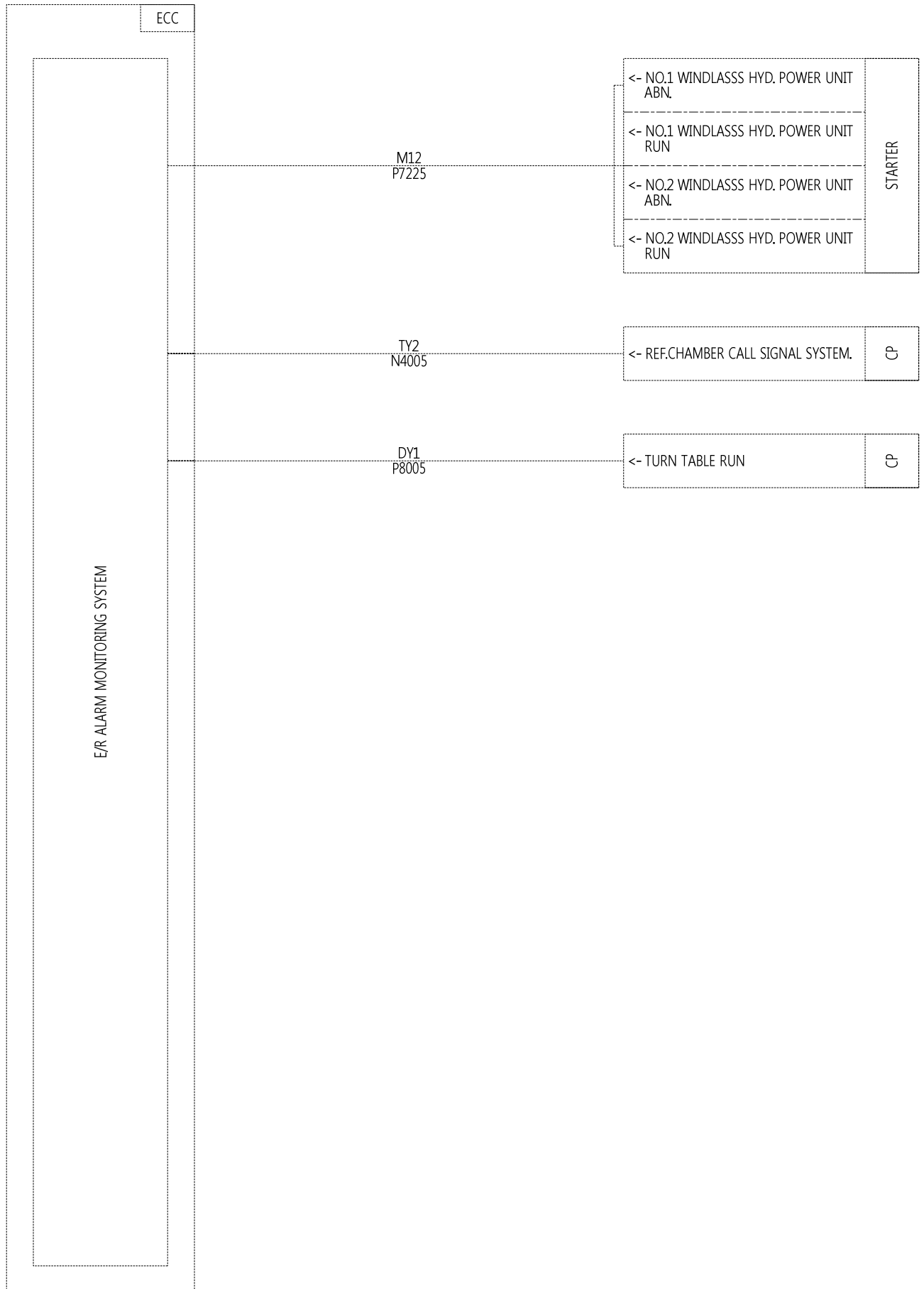
PAGE	C43
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (15/16)

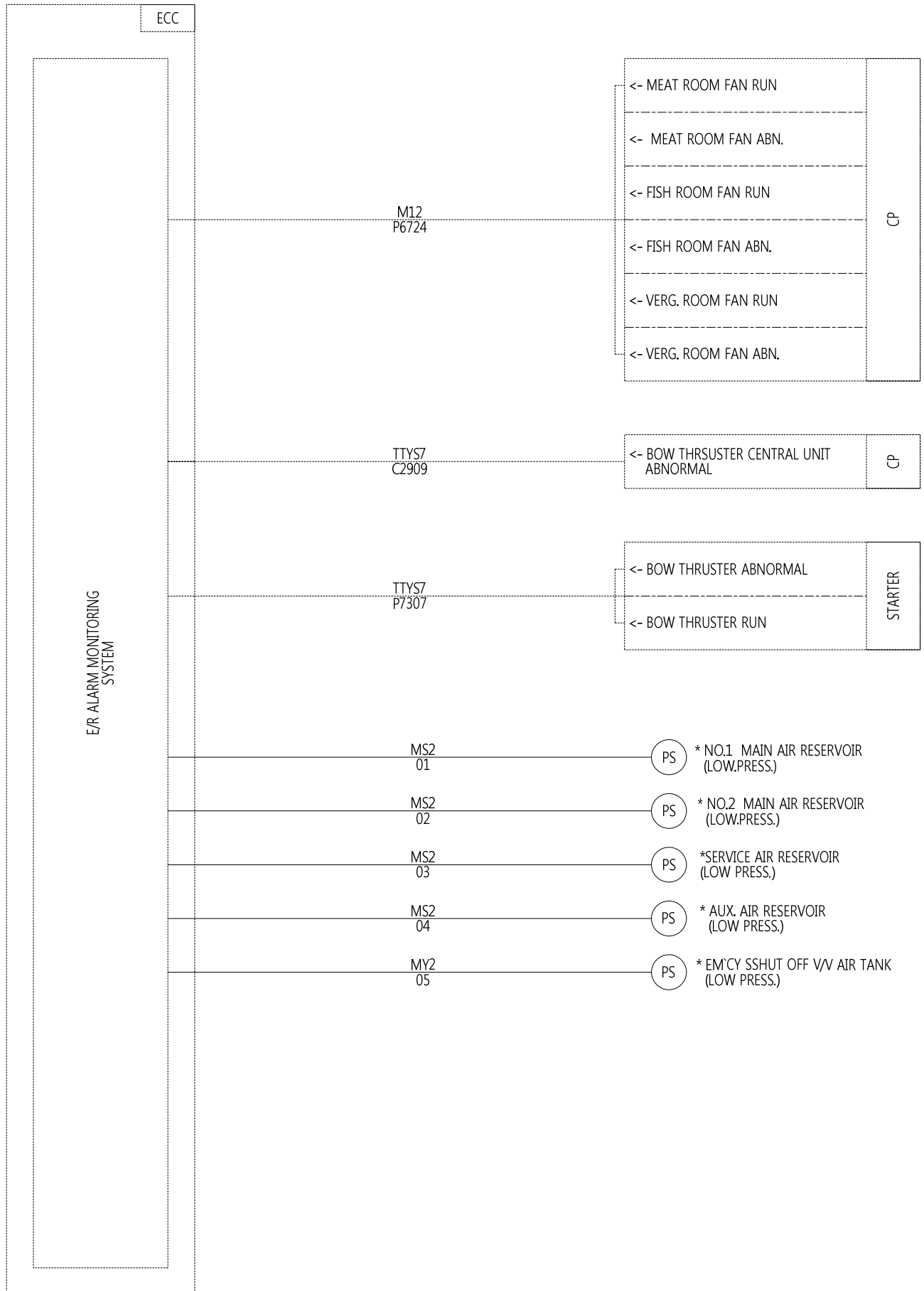
PAGE	C44
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.1 ALARM UNIT FOR ELECTRIC & MACHINERY SYSTEM (16/16)

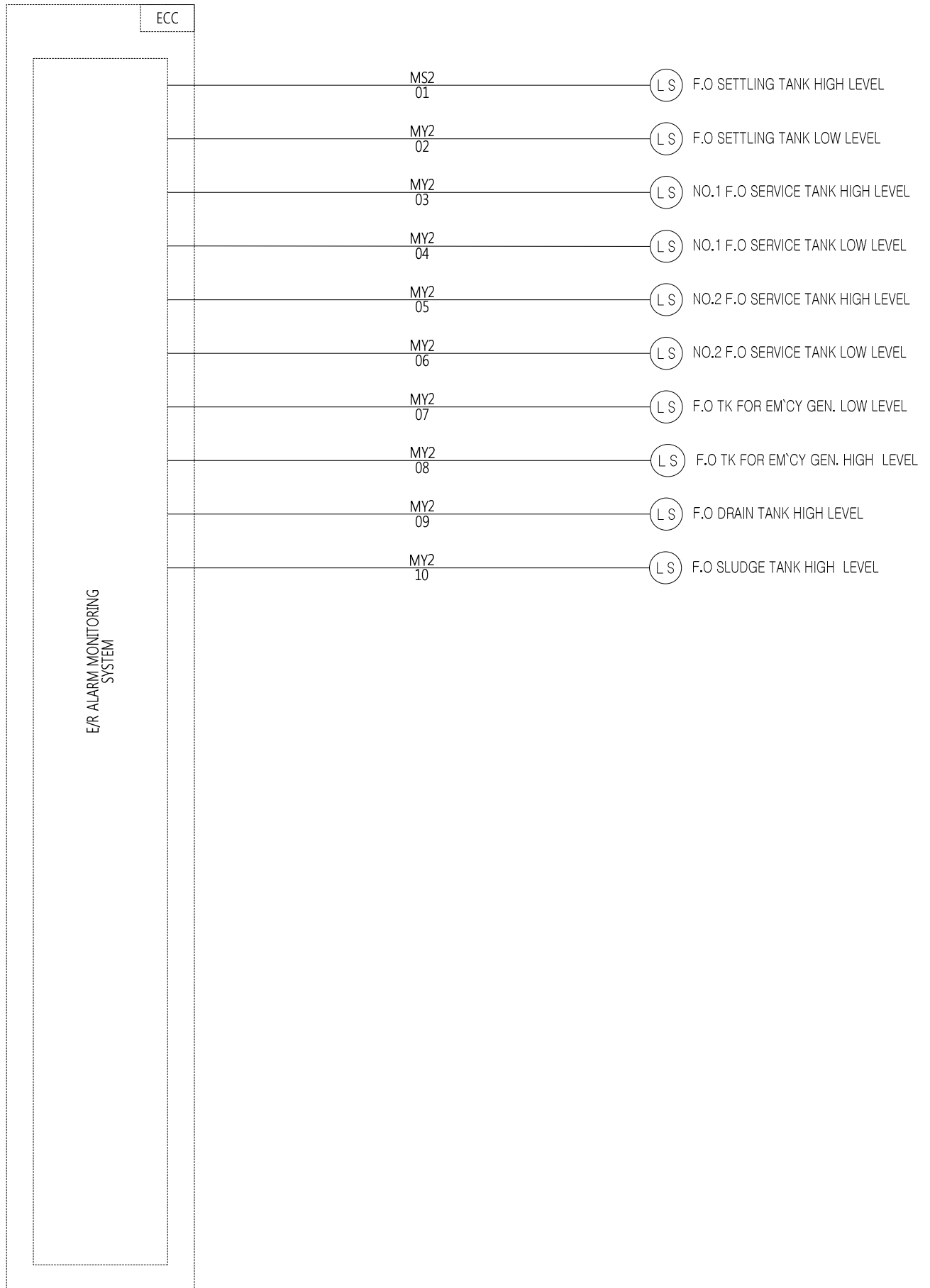
PAGE	C45
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.2 ALARM UNIT FOR E/R F.O TANK LEVEL & TEMPERATURE

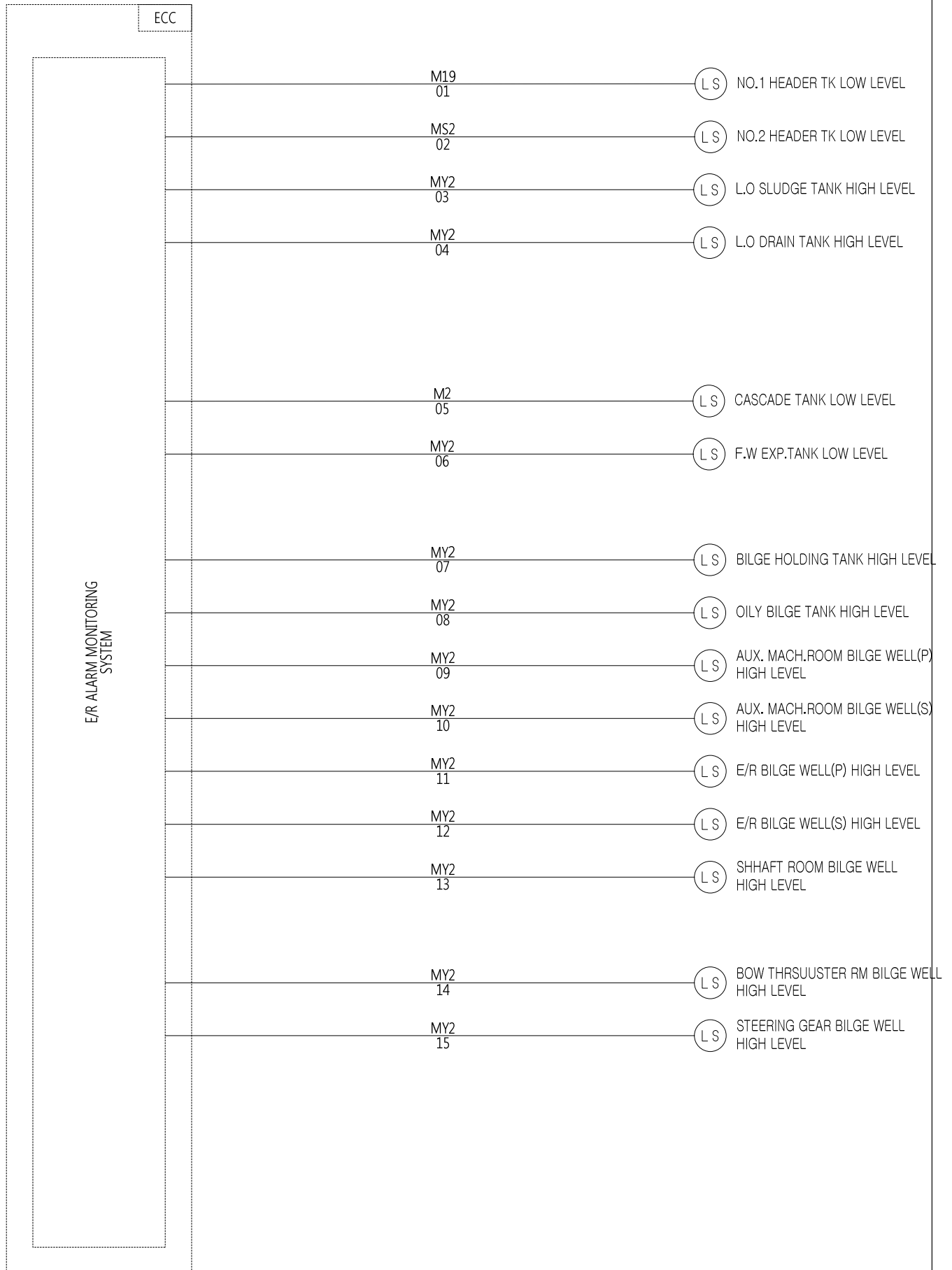
PAGE	C46
HULL NO.	SB624
DWG NO.	2E363101EB





3. ALARM MONITORING SYSTEM
3.3 ALARM UNIT FOR E/R LO TANK & BILGE LEVEL

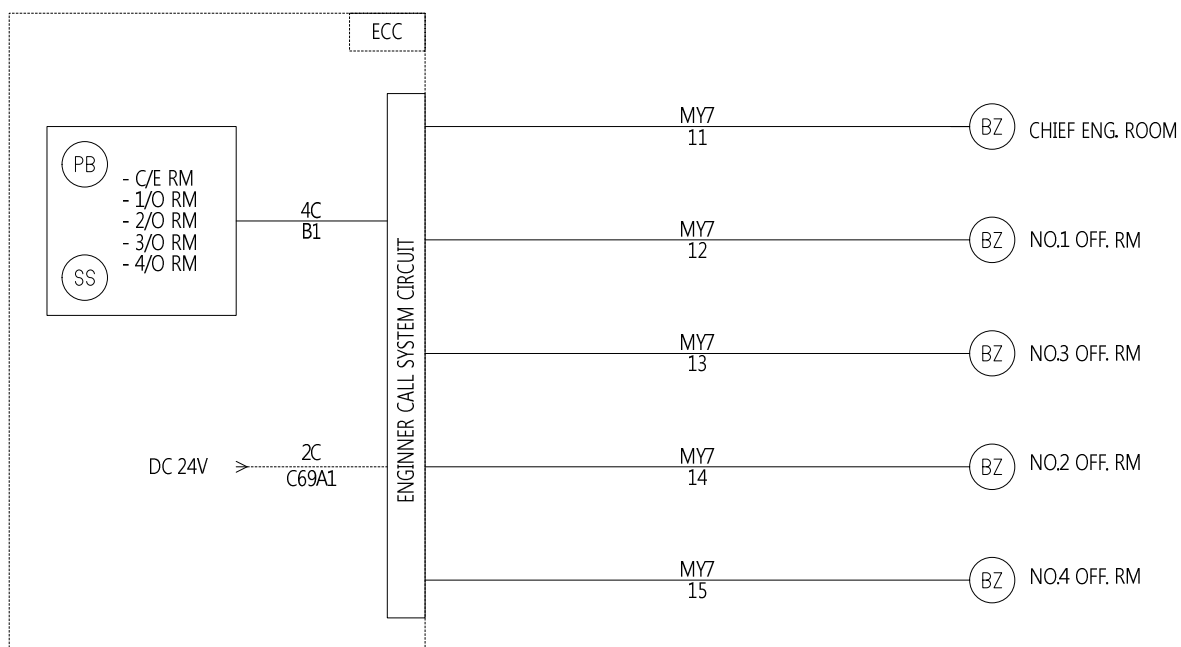
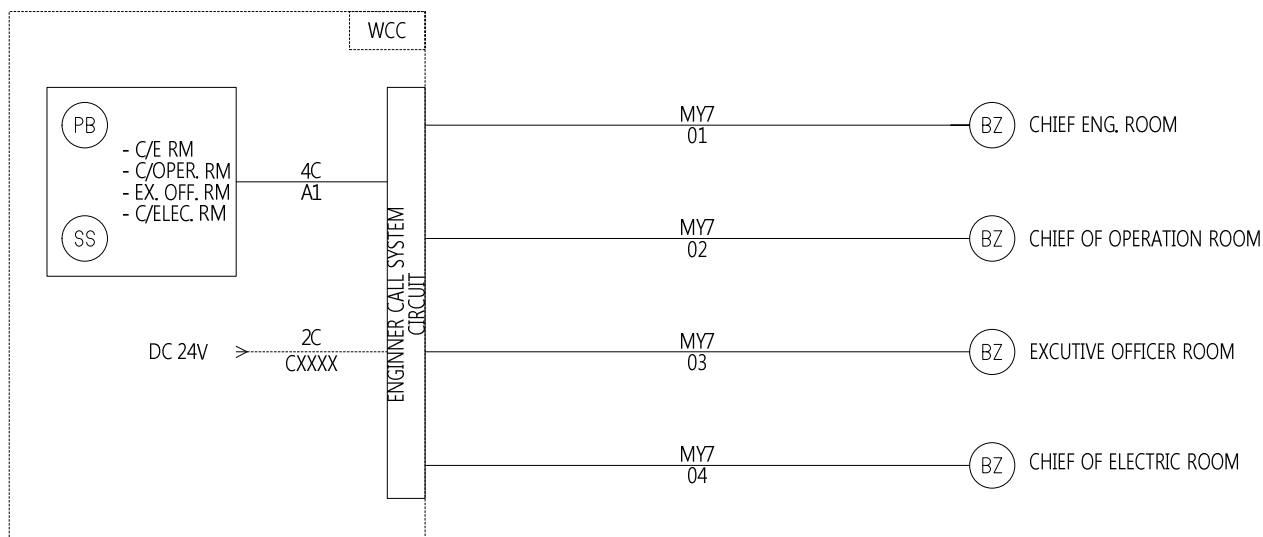
PAGE	C47
HULL NO.	SB624
DWG NO.	2E363101EB

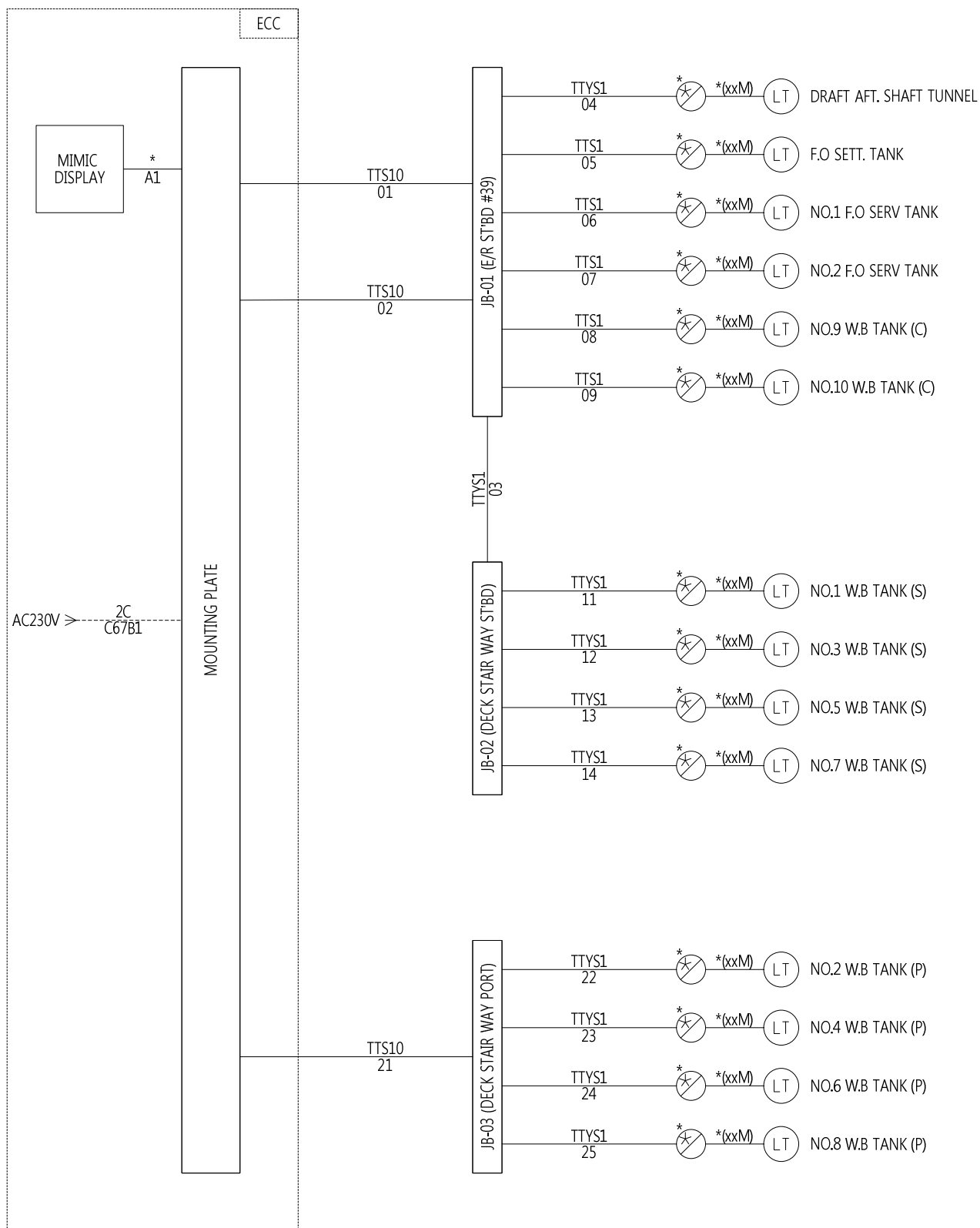
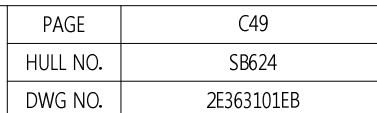




3. ALARM MONITORING SYSTEM 3.4 ENGINEER CALL SYSTEM

PAGE	C48
HULL NO.	SB624
DWG NO.	2E363101EB



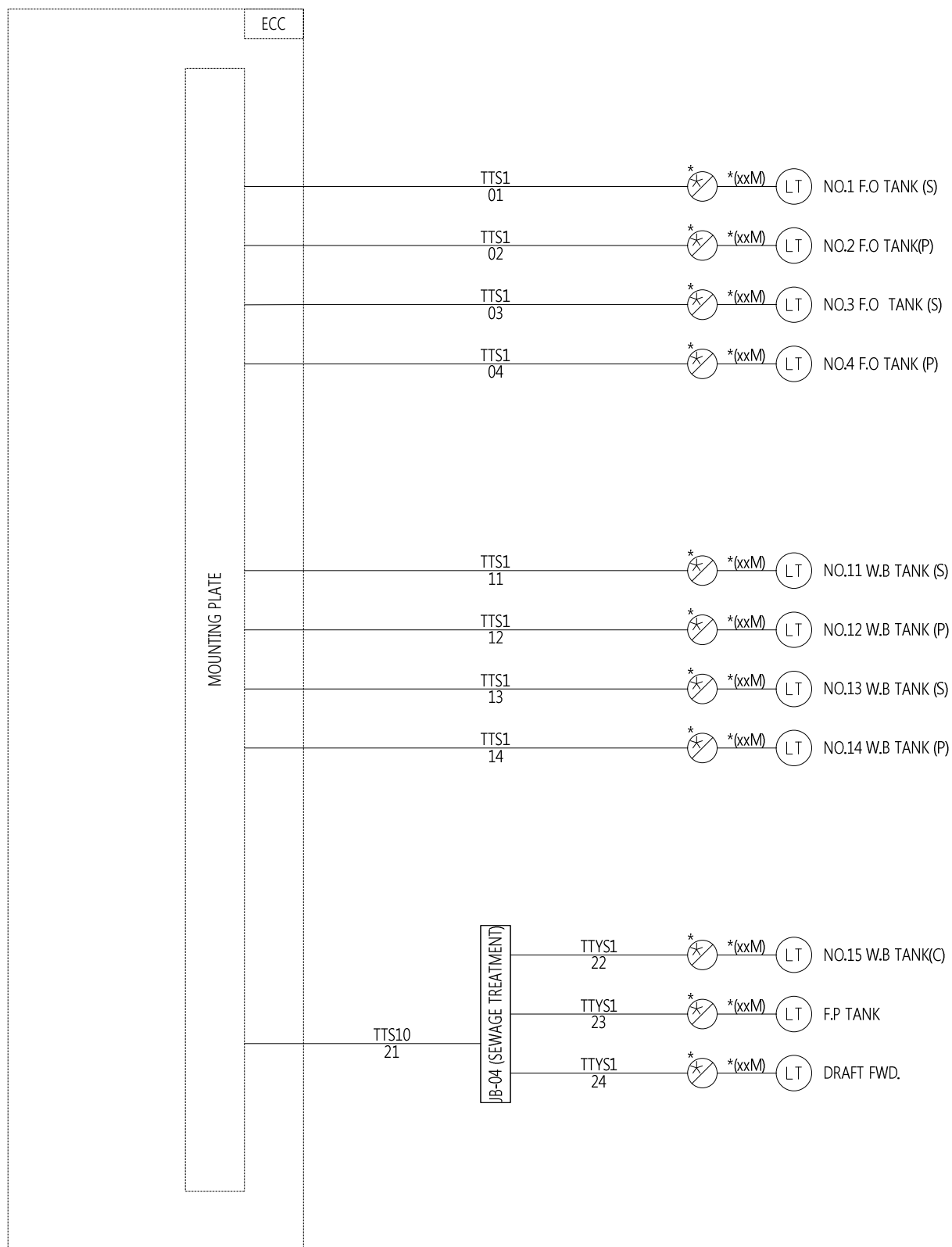




4. BALLAST CONTROL SYSTEM
4.1 DRAFT READING & WATER BALLAST, F.O TANK
LEVEL GAUGING SYSTEM (2/2)

PAGE	C50
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

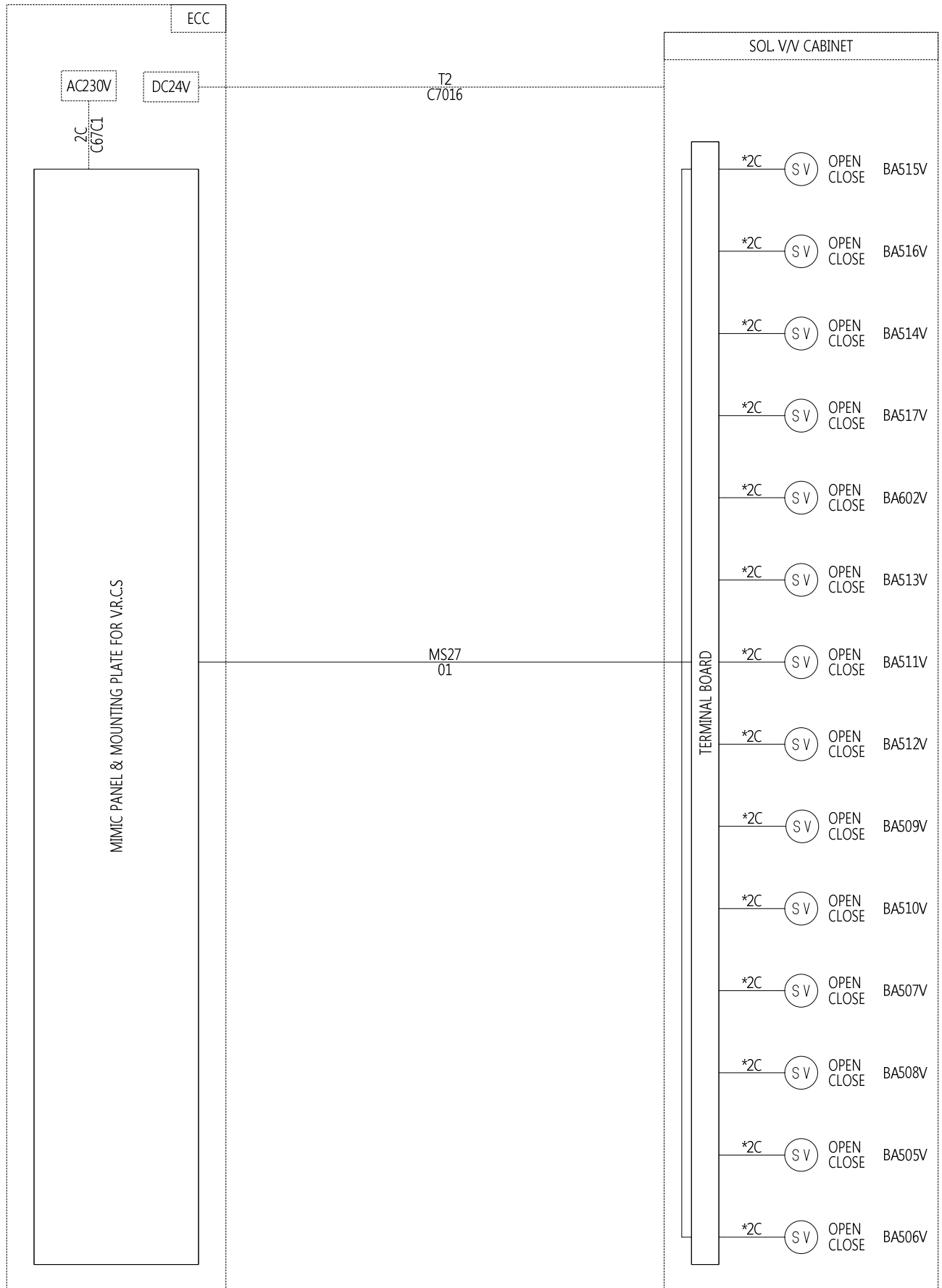




5. VALVE REMOTE CONTROL & INDICATION SYSTEM
5.1 VALVE REMOTE CONTROL SYSTEM (1/2)

PAGE	C51
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

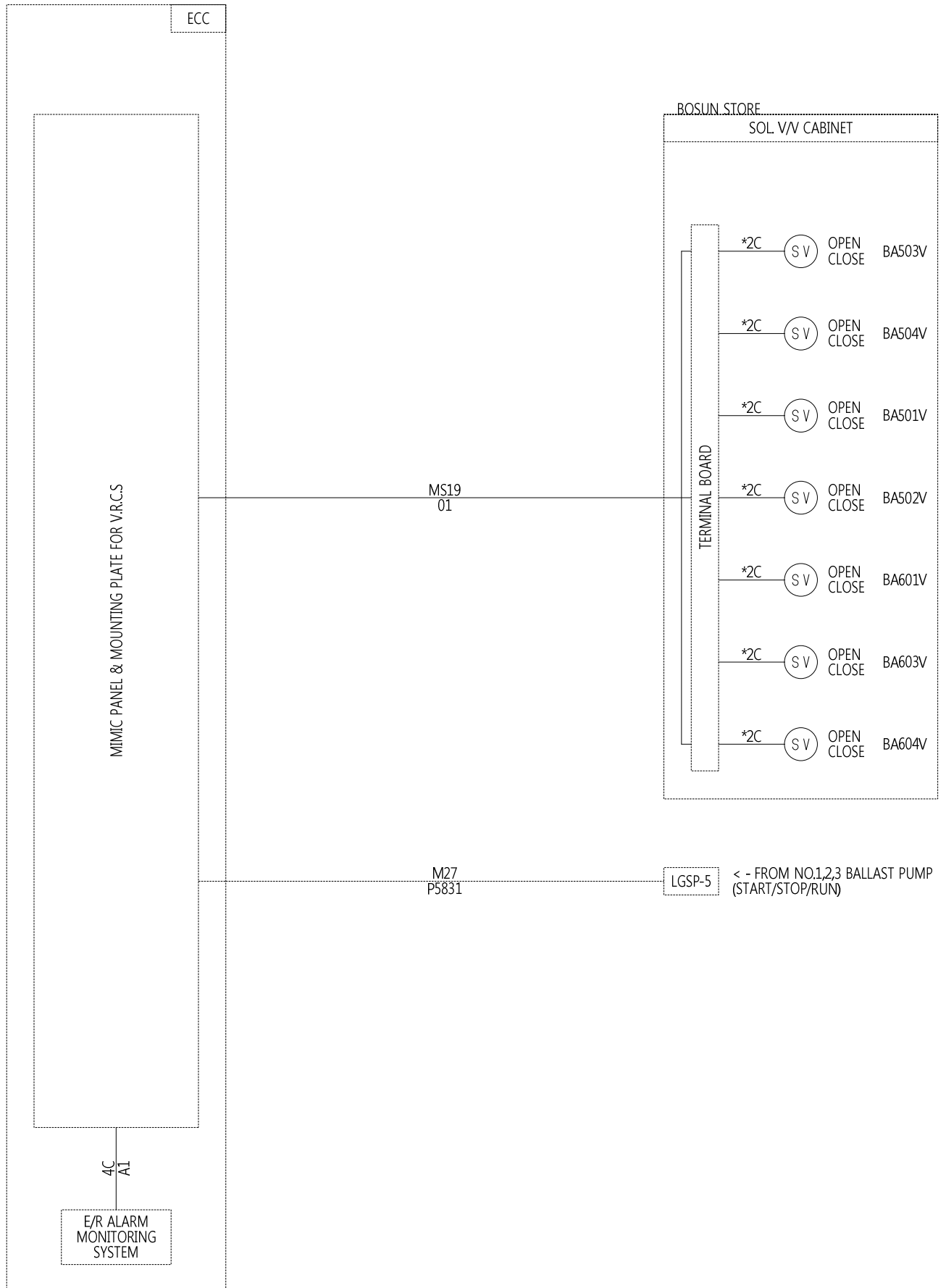




5. VALVE REMOTE CONTROL & INDICATION SYSTEM
5.1 VALVE REMOTE CONTROL SYSTEM (2/2)

PAGE	C52
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

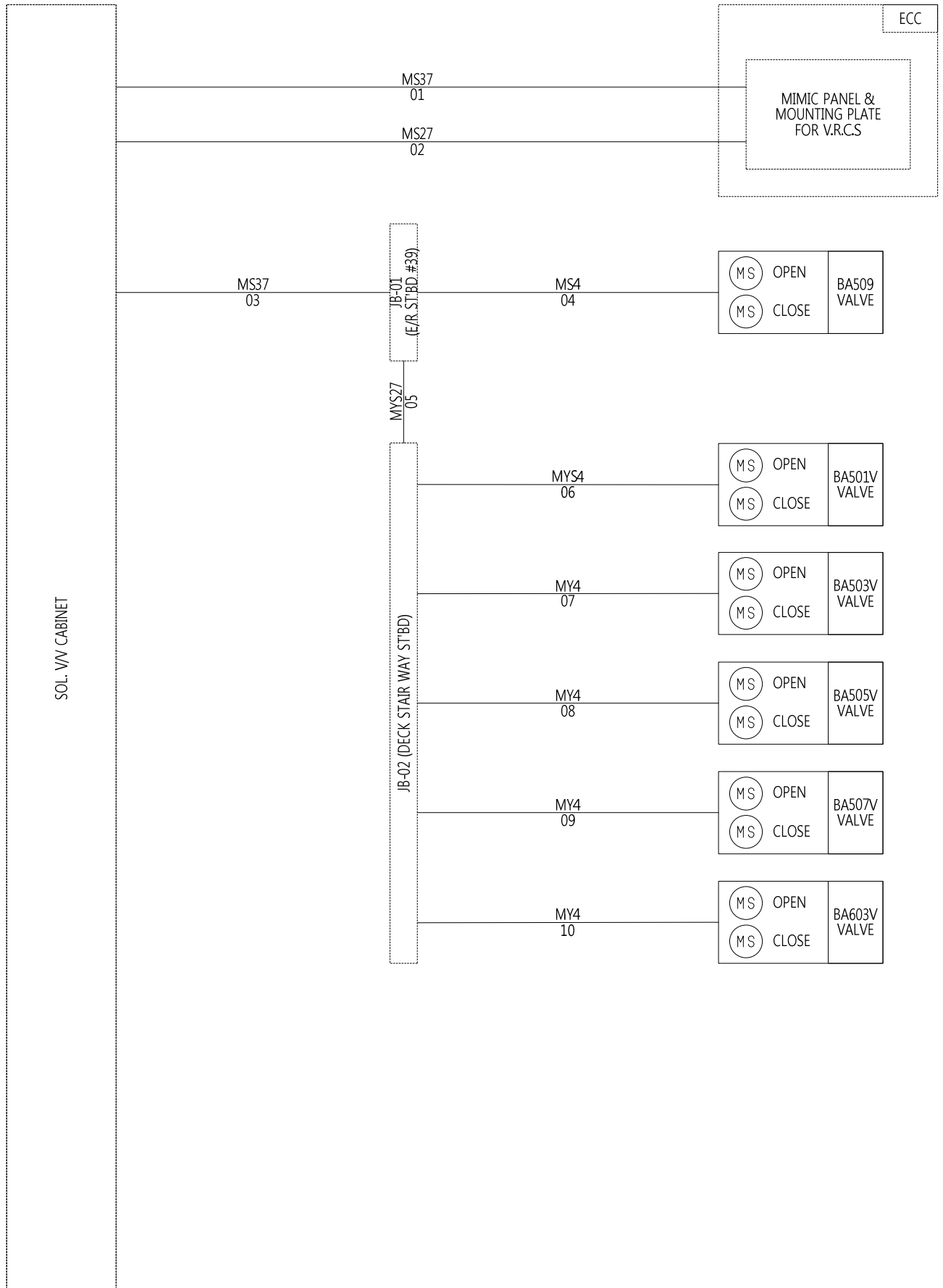




5. VALVE REMOTE CONTROL & INDICATION SYSTEM
5.2 VALVE REMOTE INDICATION SYSTEM (1/3)

PAGE	C53
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

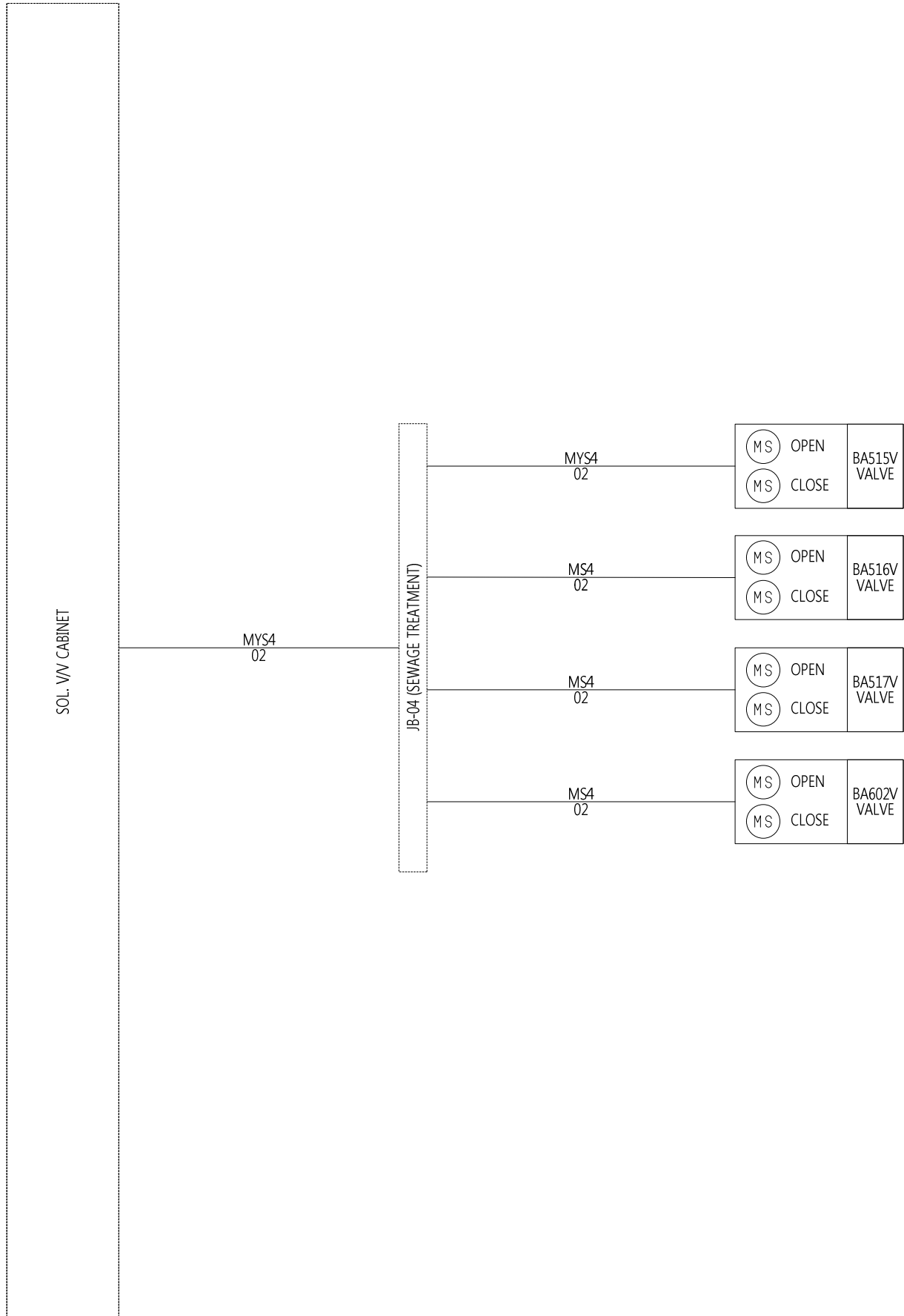




5. VALVE REMOTE CONTROL & INDICATION SYSTEM
5.2 VALVE REMOTE INDICATION SYSTEM (3/3)

PAGE	C55
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :





6. SHIP SERVICE SYSTEM
6.1 CO2 RELEASE SYSTEM (1/2)

PAGE

C56

HULL NO.

SB624

DWG NO.

2E363101EB

MAKER :

CO2 ROOM

CO2 ALARM RELAY BOX

M2
01



CO2 MASTER CONTROL CABINET
FOR ENGINE ROOM

M2
02



CO2 MASTER CONTROL CABINET
FOR AUX. MACH. ROOM

M2
03



CO2 MASTER CONTROL CABINET
FOR SHAFT ROOM

M2
04



TIME DELAY FOR ENGINE ROOM

M2
05



TIME DELAY FOR AUX. MACH.
ROOM

M2
06



TIME DELAY FOR SHAFT ROOM

M2
07



P.O.D VALVE FOR ENGINE ROOM

M2
08



P.O.D VALVE FOR AUX. MACH. ROOM

M2
09



P.O.D VALVE FOR SHAFT ROOM

CO2 ROOM

MY2
10



CO2 MASTER CONTROL CABINET
FOR ENGINE ROOM

MY2
11



CO2 MASTER CONTROL CABINET
FOR AUX. MACH. ROOM

MY2
12



CO2 MASTER CONTROL CABINET
FOR SHAFT ROOM

NO.1 DAMGE CONT. LKR.

FD2
13



ALARM BELL WITH LAMP
(IN WORKSHOP)

FD2
14



ALARM BELL WITH LAMP
(IN ECR)

FD2
15



ALARM BELL WITH LAMP
(IN CASING (P))

FD2
16



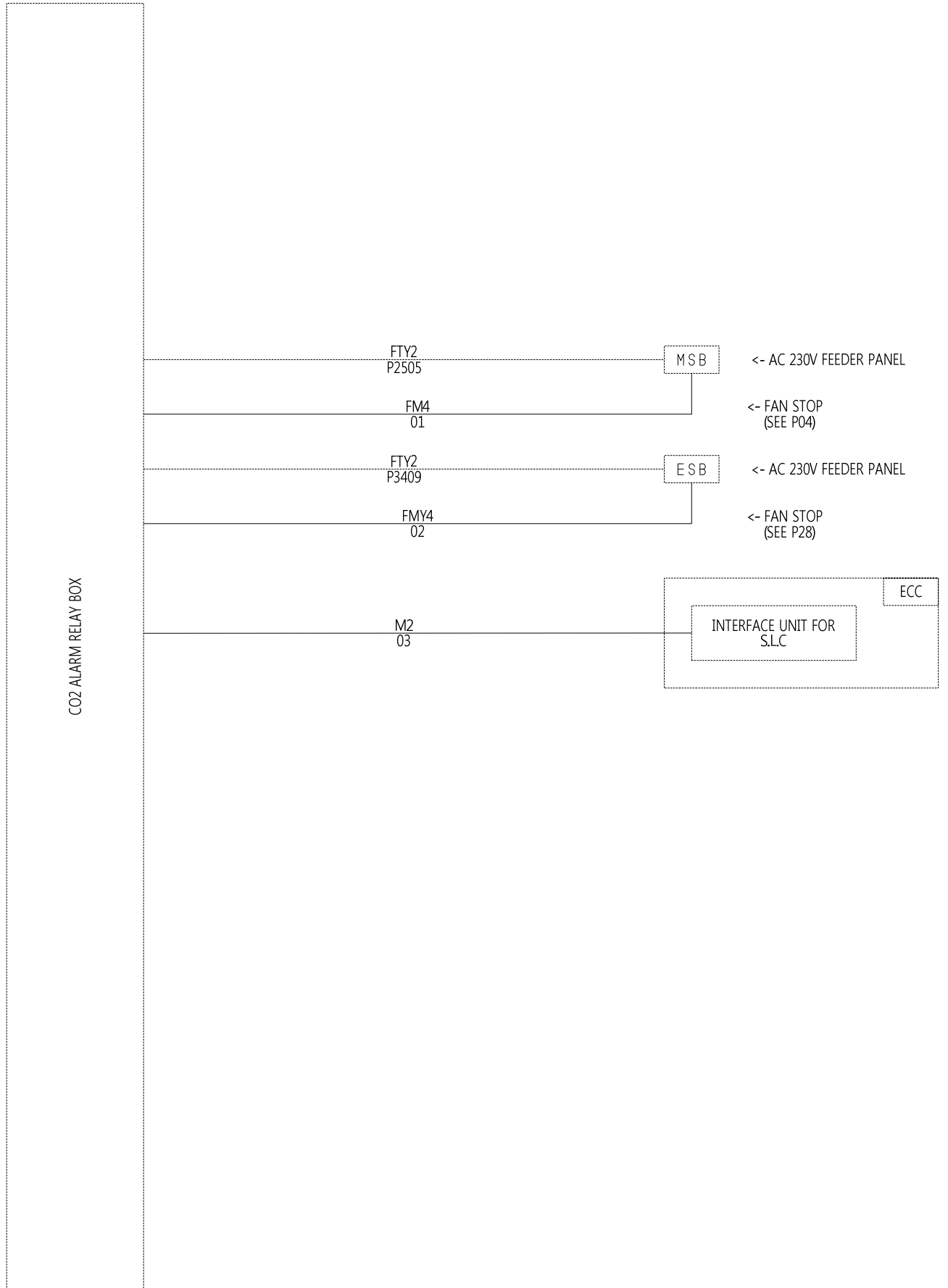
ALARM BELL WITH LAMP
(IN CASING (S))



6. SHIP SERVICE SYSTEM
6.1 CO2 RELEASE SYSTEM (2/2)

PAGE	C57
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

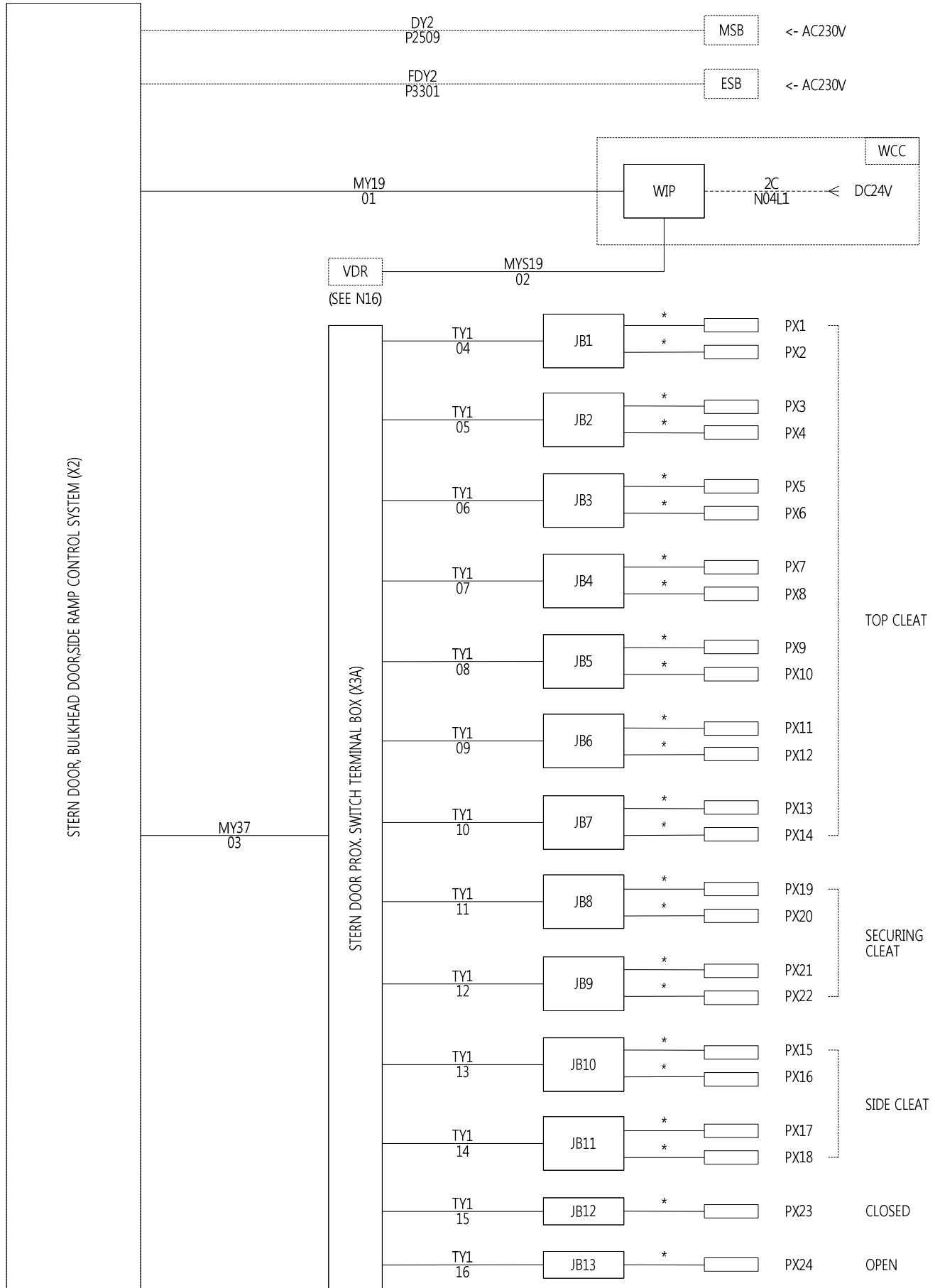




6. SHIP SERVICE SYSTEM
6.2 RO-RO EQUIPMENT SYSTEM (1/6)

PAGE	C58
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

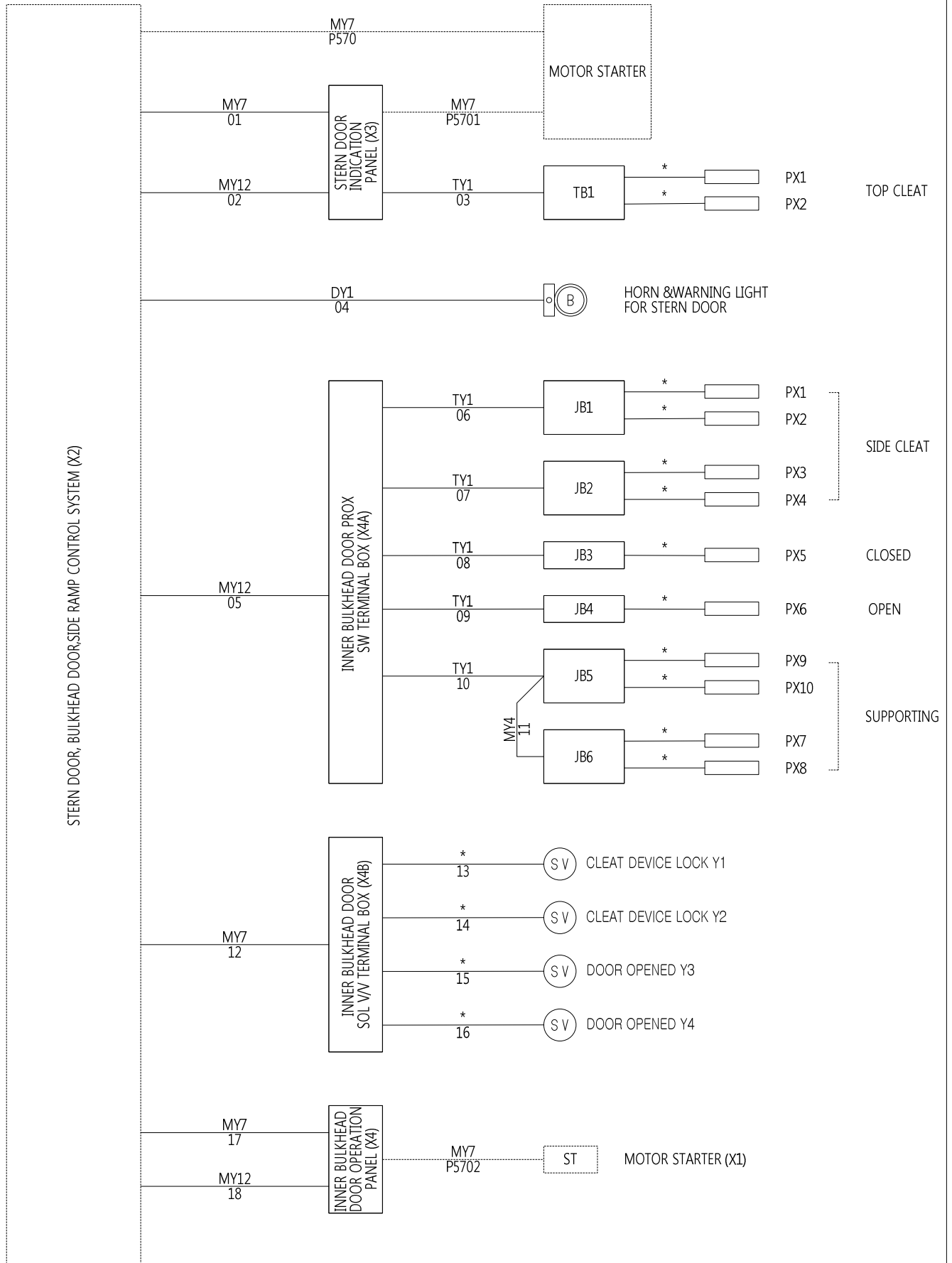




6. SHIP SERVICE SYSTEM
6.2 RO-RO EQUIPMENT SYSTEM (2/6)

PAGE	C59
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

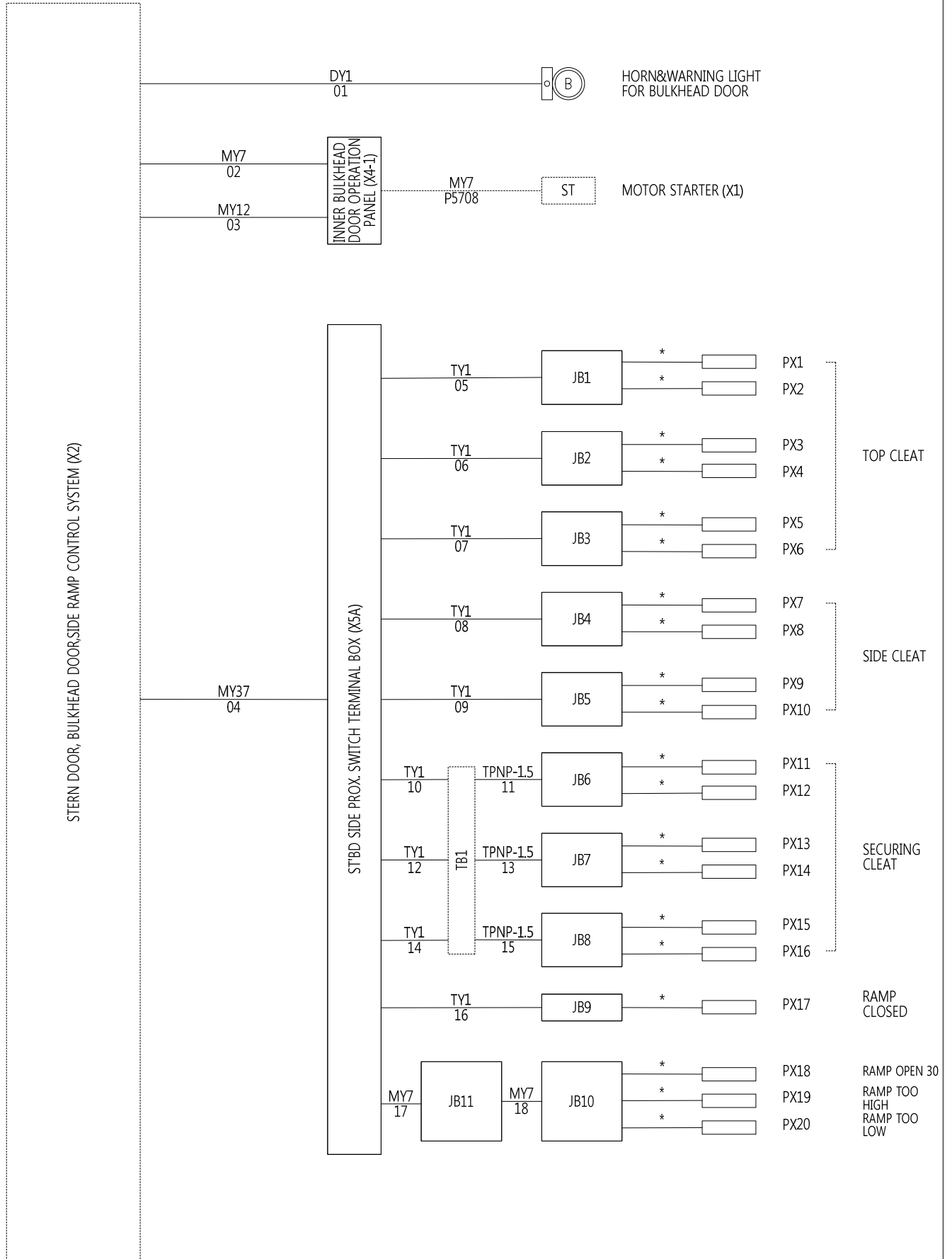




6. SHIP SERVICE SYSTEM
6.2 RO-RO EQUIPMENT SYSTEM (3/6)

PAGE	C60
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :





6. SHIP SERVICE SYSTEM
6.2 RO-RO EQUIPMENT SYSTEM (4/6)

PAGE

C61

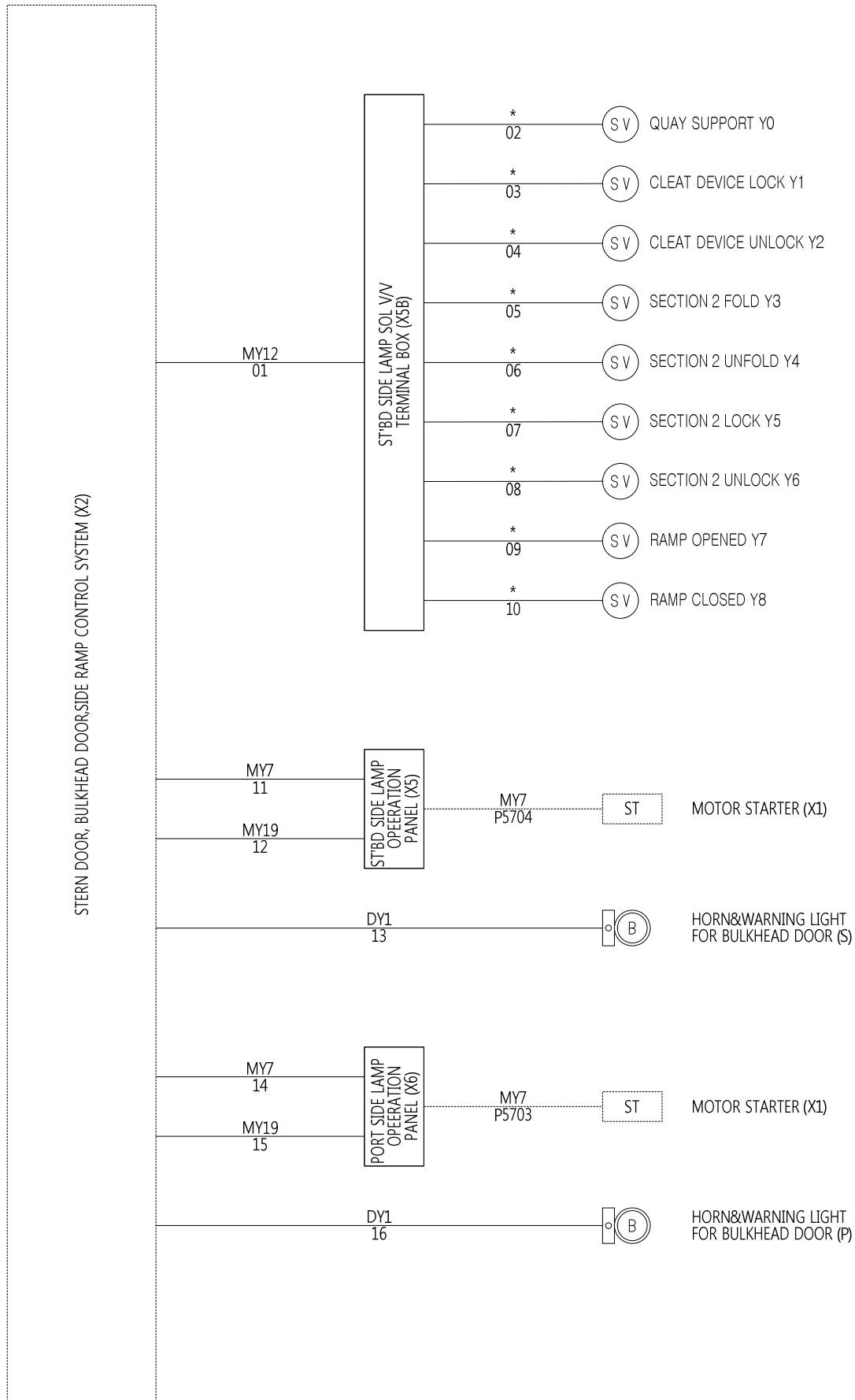
HULL NO.

SB624

DWG NO.

2E363101EB

MAKER :

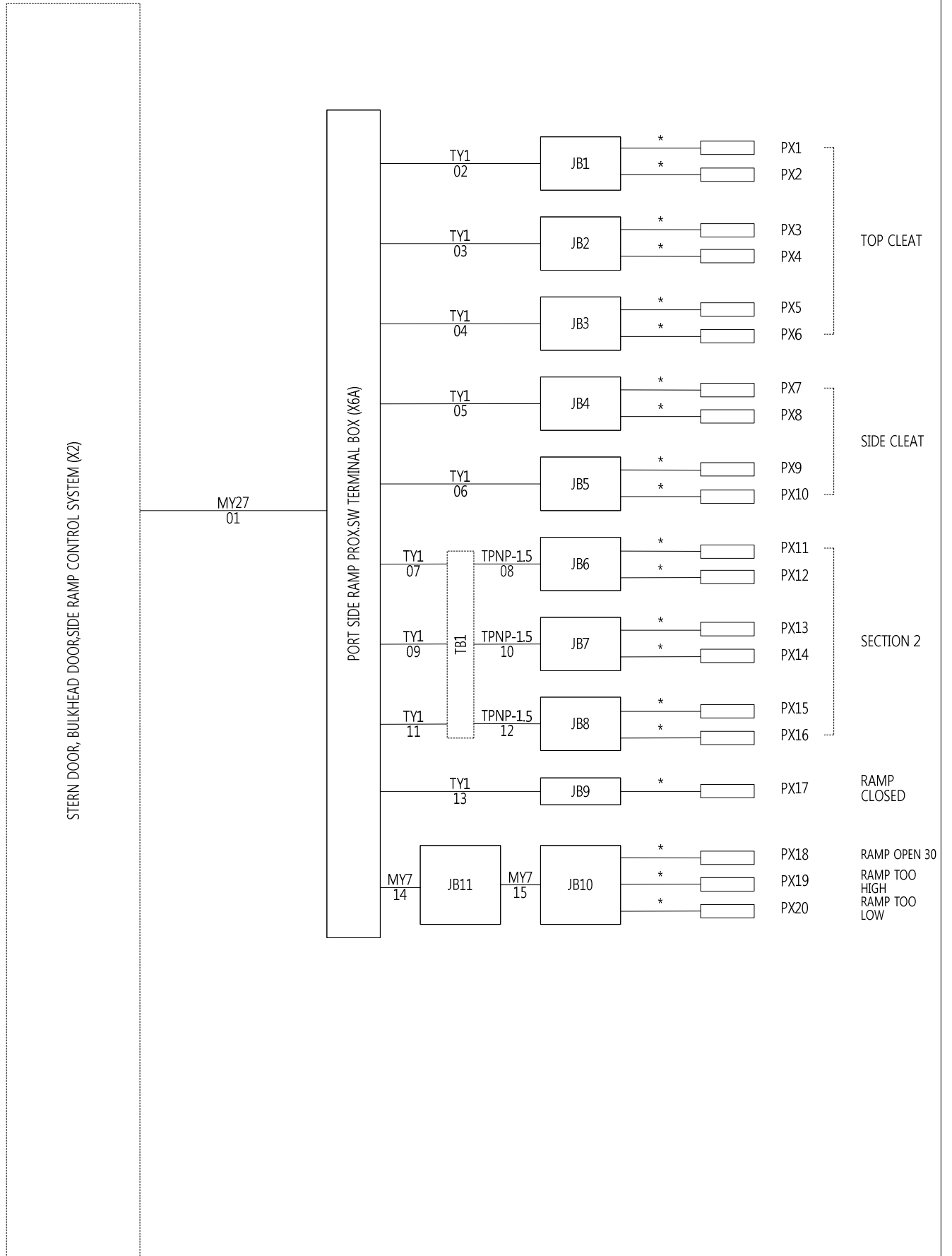




6. SHIP SERVICE SYSTEM
6.2 RO-RO EQUIPMENT SYSTEM (5/6)

PAGE	C62
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :





6. SHIP SERVICE SYSTEM
6.2 RO-RO EQUIPMENT SYSTEM (6/6)

PAGE

C63

HULL NO.

SB624

DWG NO.

2E363101EB

MAKER :

STERN DOOR, BULKHEAD DOOR, SIDE RAMP CONTROL SYSTEM (X2)

MY12
01

PORT SIDE LAMP SOL V/V
TERMINAL BOX (X6B)

- *
02 (S V) QUAY SUPPORT Y0
- *
03 (S V) CLEAT DEVICE LOCK Y1
- *
04 (S V) CLEAT DEVICE UNLOCK Y2
- *
05 (S V) SECTION 2 FOLD Y3
- *
06 (S V) SECTION 2 UNFOLD Y4
- *
07 (S V) SECTION 2 LOCK Y5
- *
08 (S V) SECTION 2 UNLOCK Y6
- *
09 (S V) RAMP OPENED Y7
- *
10 (S V) RAMP CLOSED Y8

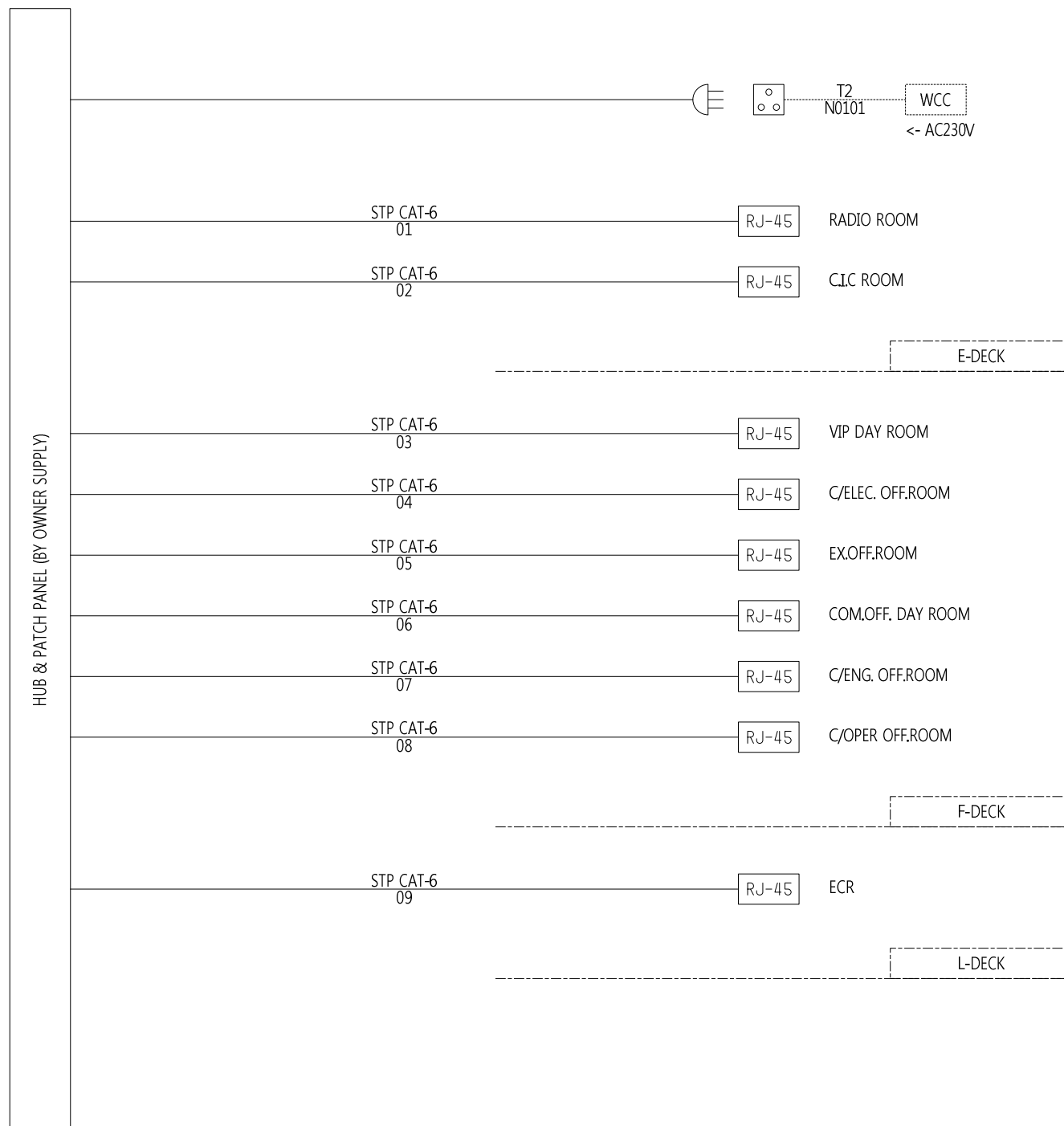


6. SHIP SERVICE SYSTEM
6.3 PERSONAL COMPUTER(P.C) NETWORK SYSTEM

PAGE	C64
HULL NO.	SB624
DWG NO.	2E363101EB

NOTE :

- 1) LAN CABLES(STP) TO BE SEPARATED MIN. 50mm FROM OTHER CABLES.
- 2) HUB UNIT AND COMPUTER SUPPLIED BY OWNER.
- 3) CABLING WORK CARRIED OUT BY SHIPYARD.

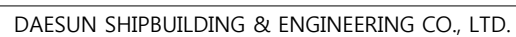




C65

SB624

2E363101EB

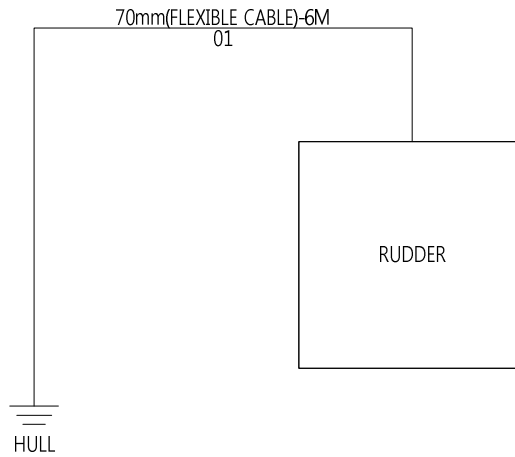




6. SHIP SERVICE SYSTEM
6.5 RUDDER GROUNDING SYSTEM

PAGE	C66
HULL NO.	SB624
DWG NO.	2E363101EB

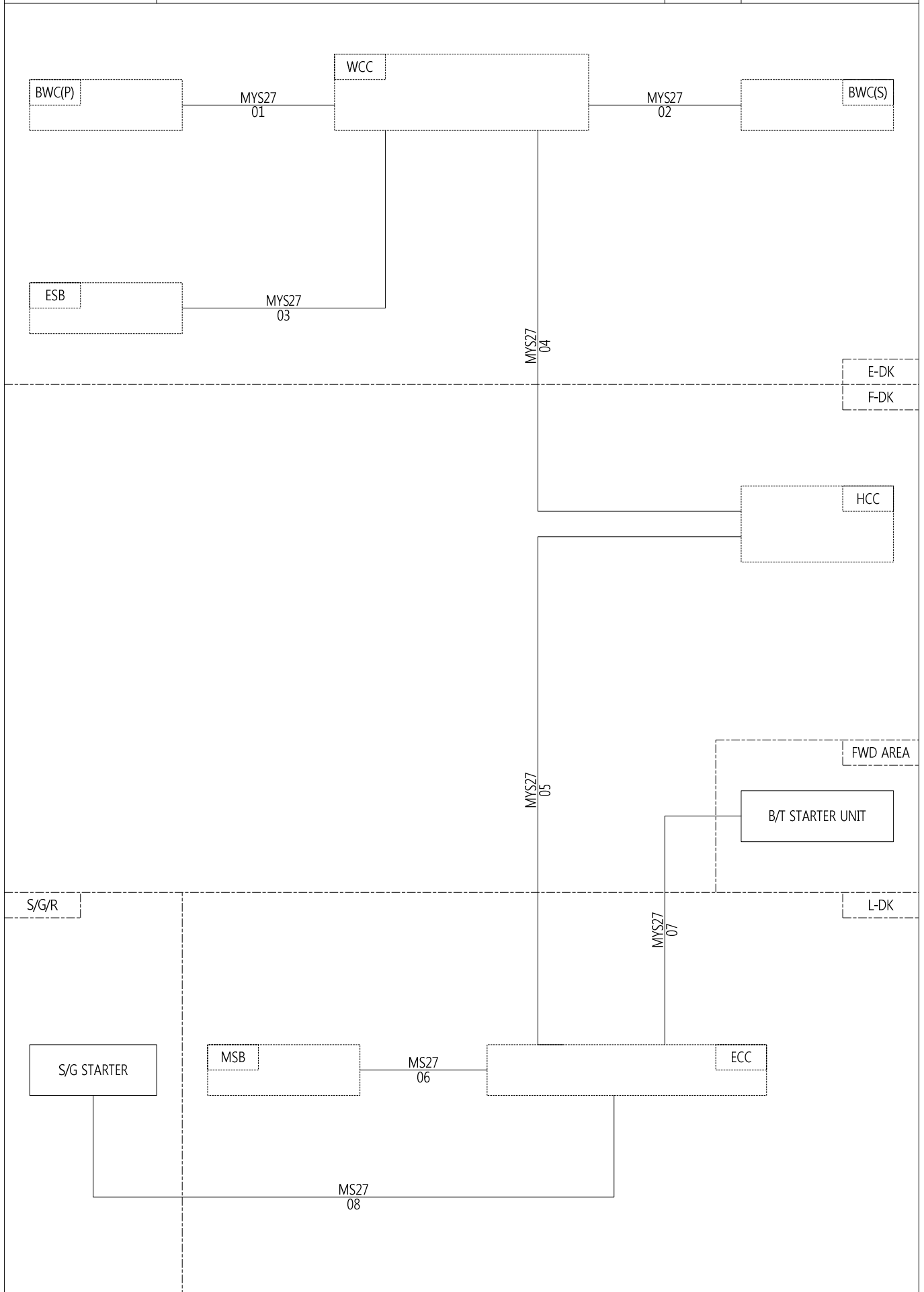
MAKER :





6. SHIP SERVICE SYSTEM
6.6 MULTI-CORE CABLE NETWORK

PAGE	C66A
HULL NO.	SB624
DWG NO.	2E363101EB

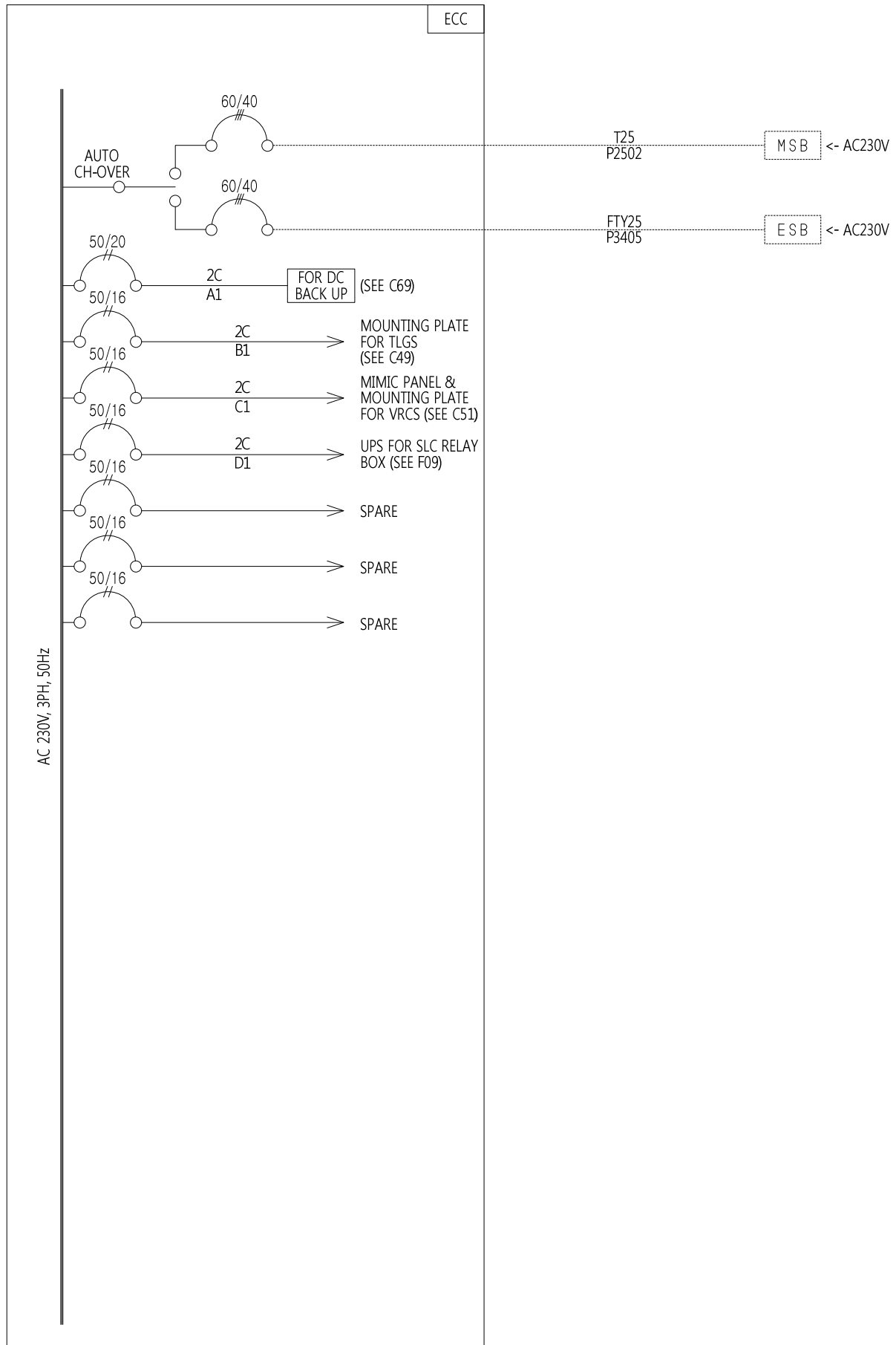




7. ENGINE CONTROL CONSOLE
7.1 ECC AC 220V POWER DISTRIBUTION (1/2)

PAGE	C67
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

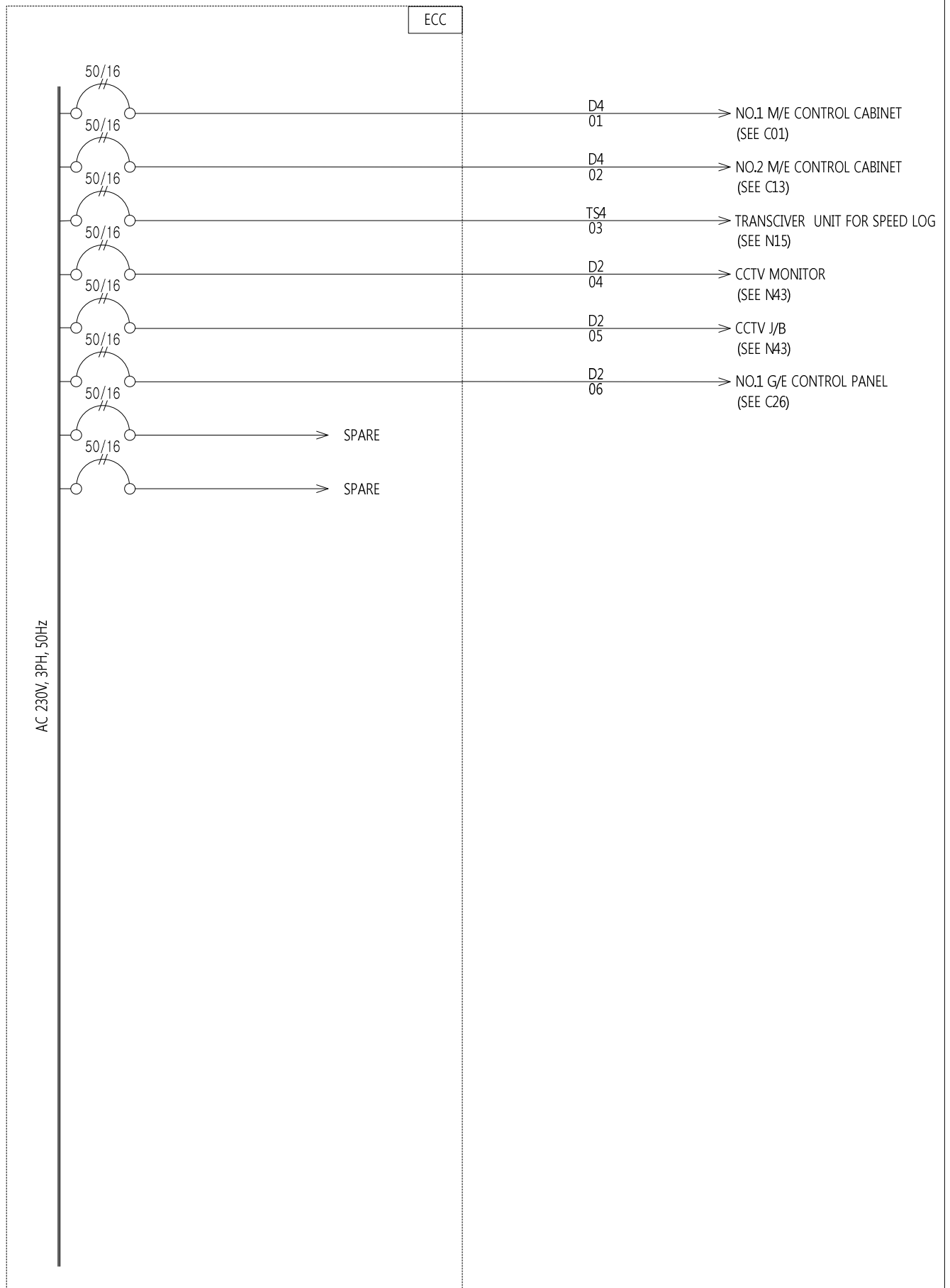




7. ENGINE CONTROL CONSOLE
7.1 ECC AC 220V POWER DISTRIBUTION (2/2)

PAGE	C68
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :





7. ENGINE CONTROL CONSOLE
7.2 ECC DC 24V POWER DISTRIBUTION (1/2)

PAGE	C69
HULL NO.	SB624
DWG NO.	2E363101EB

MAKER :

