

JOHNSON 70' MOTOR YACHTS

OWNER'S MANUAL

HULL NO. TW-JSY70016A424

ENGINE S/N. JLE06575

ENGINE S/N. JLE06624

GEAR BOX S/N.; 2569358, 2569360

GENERATOR#29KW S/N. H220126597



JOHNSON YACHTS CO., LTD.

NO.101 Kuang Ho Road, Hsiao Kang District, Kaohsiung 81242, Taiwan R.O.C.

<http://www.johnson-yachts.com>

E-mail: info@johnson-yachts.com Tel:886-7-8065571~3 Fax:886-7-8060521

MANUAL INTRODUCTION

This manual has been compiled to help you to operate your craft with safety and pleasure. It contains details of the craft, the equipment supplied or fitted, its systems, and information on its operation and maintenance. Please read it carefully, and familiarize yourself with the craft before using it.

If this is your first craft, or you are changing to a type of craft you are not familiar with, for your own comfort and safety, please ensure that you obtain handling and operating experience before assuming command of the craft.

PLEASE KEEP THIS MANUAL IN A SECURE PLACE. AND HAND IT OVER TO THE NEW OWNER WHEN YOU SELL THE CRAFT.

PLEASE FOLLOW THE BOATING SAFETY PROCEDURE CHECKLIST ATTACHED IN THIS MANUAL PRIOR MAKING YOUR BOAT TRIP TO ENSURE A SAFE OPERATION OF THE CRAFT.

The following abbreviations have been used:

(D): Danger

(W): Warning

(C): Caution

DANGER Denotes an extreme intrinsic hazard exists which would result in high probability of death or irreparable injury if proper precautions are not taken.

WARNING Denotes a hazard exists which can result in injury or death if proper precautions are not taken.

CAUTION Denotes a reminder of safety practices or directs attention to unsafe practices which could result in personal injury or damage to the craft or components.

INDEX

1.PRINCIPLE PARTICULARS	PAGE 1
2.DESCRPTION OF ESSENTIAL EQUIPMENT AND FEATURES	PAGE 3
3.ELECTRICAL DRAWINGS FOR BOAT MAJOR SYSTEMS	PAGE 4
4.PLUMBING DRAWINGS FOR BOAT MAJOR SYSTEMS	PAGE 5
5. SPECIFIC MANUALS	PAGE 6
6. ENVIRONMENTAL CONSIDERATIONS	PAGE 6
7. MAINTENANCE	PAGE 6
8. SAFETY EQUIPMENT	PAGE 7
9. WARRANTY CONDITIONS	PAGE 7
10. PROPELLER PRODUCT INSPECTION RECORD	PAGE 9

1. PRINCIPLE PARTICULARS

Maximum Length	20.60M/67'-7 1/8"
Length of the Hull	20.60M/67'-7 1/8"
Maximum Beam	5.55M/18'-2 7/8"
Beam of the Hull	5.55M/18'-2 7/8"
Maximum Depth	1.65M/5' 5"
Performance Test Mass	48 TONS
Fuel Capacity	4148 Liters /1096 Gallons
Fresh Water Capacity	984 Liters /260 Gallons
Holding Tank	378 Liters /100 Gallons
Engine Model	CATERPILLAR C18 ACERT
Engine Power	1150 MHP @ 2300 RPM
Gear Box	Twin Disc MGX-5136A, (R:2.0:1) *2
Genset Model	MDKDS
Genset KW	29 KW X 1
AC Voltage	110V/220V / 60Hz
DC Voltage	12V/24V
BATTERY CAPACITIES	ENG. BATTERY 255AMP X 4 EAC SERVICE BATTERY 255AMP X 4 EAC GEN #1. BATTERY 210AMP X 1 EAC

- USERS OF THIS BOAT AND SHOULD NOTE
 - A. BILGE WATER TO BE KEPT MINIMAL (C)
 - B. STABILITY IS EFFECTED BY HAVING WEIGHT ADDED HIGH UP ON BOATS STRUCTURE (C)
 - C. STABILITY CAN BE REDUCED WHEN TOWING OR LIFTING HEAVY WEIGHTS WITH DAVIT (C)
- STRONG POINTS FOR DOCKING AND TRAILERING: ALL THE CLEATS
- CRAFT LIFTING: POSITION OF SLINGS IS INDICATED ON THE SIDES. ADJUST THE LOCATION OF THE SLINGS SO THAT THE CRAFT IS

HORIZONTAL WHEN LIFTED. PROVIDE PROTECTIONS BETWEEN THE
SLINGS AND THE CRAFT (C) DO NOT STAY UNDER THE CRAFT (D)

2. DESCRIPTION OF ESSENTIAL EQUIPMENT AND FEATURES

SEE ATTACHMENT (FROM P3-1 ~P3-11)

JOHNSON 70-016 MOTORYACHT

DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES

I. HULL & DECK – EXTERIOR GENERAL:

1.	MAINDECK-TEAK
2.	STAINLESS STEEL INTEGRAL ROLLERS & CHAIN STOPPER FOR ANCHOR CHAIN
3.	250 FEET GALVANIZED CHAIN (Ø 3/8")
4.	MAXWELL HYDRAULIC RC12-12 WINDLASS
5.	STAINLESS STEEL 120 LB ANCHOR (SINGLE)
6.	HEAVY DUTY 316# S/S HANDRAIL & STANCHIONS
7.	HEAVY DUTY 316# S/S CLEATS AND FAIRLEADS
8.	MEDIUM TINTED SAFETY GLASS
9.	MANUAL STAINLESS STEEL SALOON SLIDING DOOR
10.	STAINLESS STEEL PORT LIGHTS
11.	S/S RUB RAIL W/RUBBER INSERT AROUND HULL & DECK JOINT
12.	STERN CAPSTAN 24V * 2 SET ♦ MAXWELL VC2500
13.	AFT DECK SEATING
14.	AFT DECK TABLE
15.	LOW-LEVEL COURTESY LIGHTS ON SIDE DECK
16.	LOW-LEVEL COURTESY LIGHTS ON AFT DECK
17.	STAIRS TO FLYBRIDGE
18.	LARGE TEAK INLAY SWIM PLATFORM WITH STAIRWAY TO AFT DECK
19.	HOT & COLD TRANSOM SHOWER
20.	S/S SWIMMING LADDER
21.	SEATING/SUN-BATHING AREA IN FWD DECK
22.	WATER FILLER

JOHNSON 70-016 MOTORYACHT DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES	
23.	DIESEL FILLER
24.	FLOJET 4325-343L DECK WASHDOWN
25.	FLOODLIGHT FOR COCKPIT ♦ LUMITEC CAPRI2 FLUSH MOUNT LED FLOOD LIGHT* 2 EA
26.	CANVAS COVERS FOR EXTERIOR SETTEE AND TABLES
27.	WATER PROOF BOW SEATING CUSHIONS
28.	WHITE GEL COAT THROUGHOUT HULL
II. UNDERWATER GEAR :	
1.	4 BLADE BRONZE PROPELLERS
2.	BRONZE P-BRACKETS
3.	S/S AQUATECH 22HS SHAFTS
4.	SHAFT SEAL AND SHAFT LOG ♦ TIDES RUDDER SEAL 3” ; TIDES SHAFT SEAL 3”
5.	SLEIPNER SPS55B/800 VECTOR FINS ™ STABILIZER * 2
6.	FULL CATHODIC BONDING SYSTEM TO ZINC ANODES
7.	SEAWATER STRAINERS FOR ENGINES,GENSET AND AIR-COND.
8.	SEACOCKS ON ALL UNDERWATER FITTINGS
9.	UNDERWATER EXHAUST SYSTEM
10.	OCEAN LED UNDERWATER LIGHT SPORT SERIES *4
III. SKYLounge :	
1.	FRP NON-SKID DECK
2.	INSTRUMENT CONSOLE
3.	FABRICS SOFA & COFFEE TABLE
4.	ISOTHERM CR65 INOX CLEAN TOUCH REFRIDGERATOR

JOHNSON 70-016 MOTORYACHT DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES	
--	--

5.	GARMIN NAVIGATION SYSTEM (REFER TO ELECTRICAL DIAGRAM NO.E017 FOR DETAILS) ◆ GPSMAP® 8617 FULLY-INTERGRATED MULTI-TOUCH MFD * 2 ◆ GMI 20 MARINE INSTRUMENT DISPLAY * 1 ◆ GMR FANTOM™ 54 OPEN ARRAY RADAR AND 4KW PEDESTAL * 1 ◆ GARMIN VHF 215 MARINE RADIO * 1 ◆ GARMIN AIS 800 CLASS B TRANSCEIVER * 1 ◆ GHC 50 MARINE AUTOPILOT DISPLAY* 1 ◆ GARMIN GSD 25 MARINE NETWORK SOUNDER * 1
6.	RUDDER INDICATOR
7.	COMPASS
8.	S/S GUARD RAILS AND GRAB RAILS
9.	SPEICH NAUTIC TYPE LP WIPER
10.	LOW-LEVEL COURTESY LIGHTS 24V
11.	SEARCH LIGHT ◆ ACR RCL-100 LED
12.	AIR HORN ◆ BUELL
13.	BESEBZONI P416 24V BLACK HELM SEAT * 1
14.	S/S STEERING WHEEL
15.	POP-UP TV CABINET WITH SAMSUNG 32” 4K LED LCD TV
16.	FUSION STEREO SYSEM

JOHNSON 70-016 MOTORYACHT DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES	
17.	COFFEE TABLE
18.	C-ZONE AC/DC MONITORING SYSTEM
19.	CCTV SYSTEM WITH 4 CAMERAS (ENGINE ROOM, SALOON DOOR, AFT DECK PORT & STBD)
20.	ONE SHIPSET NAVIGATION LIGHTS
IV. ENGINE PROPULSION & E/R EQUIPMENTS :	
1.	CATERPILLAR C-18 ACERT1150HP ENGINES * 2 WITH TWIN DISC MGX-5136A GEAR BOX
2.	ENGINE RACOR FILTER
3.	GENERATOR RACOR FILTER
4.	SOUNDPROOFING THROUGHOUT ENGINE ROOM
5.	WELL PLANNED, SPACIOUS E/R WITH DIAMOND PATTERN DECK PLATES
6.	FUEL TANKS WITH MARETRON MT-FPM100-01 ELECTRIC SENDING UNITS
7.	AUTOMATIC SEA-FIRE FIRE EXTINGUISHER
8.	ENGINE ROOM AIR INTAKE SYSTEM
9.	E/R AC FLOURESCENT LIGHTS & DC DOME LIGHTS
10.	RULE 3700 GPH AUTOMATIC BILGE PUMPS *2
11.	HANDERSON BP0510 MANUAL BILGE PUMP
12.	HIGH VOLUME AC F.W. PRESSURE PUMP AND ONE 24V DC PUMP FOR BACK UP
13.	CHILLED WATER AIR-COND.
14.	SEA RECOVERY 700GPD WATER MAKER * 1
15.	OIL CHANGING PUMP FOR ENGINES,GENERATOR AND CLUTCHES
16.	GENERATOR ♦ ONAN MDKBT 29 KW 60HZ * 1 SET
17.	WATER HEATERS ♦ TORRID 20 GALLONS * 2 EAC
V. ELECTRICAL :	

JOHNSON 70-016 MOTORYACHT DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES

1.	110V/220 AC ELECTRICAL SYSTEM
2.	DC 24V SYSTEM
3.	110' GLENDINNING CABLE MASTER CM7 50A
4.	BATTERY CHARGER FOR 24V CIRCUIT
5.	BATTERY CHARGER FOR 12V CIRCUIT
6.	ALTERNATOR SPLIT CHARGING SYSTEM
7.	255AMP/HR GELL CELL SEALED BATTERIES FOR SHIP SERVICE * 4
8.	255AMP/HR GELL CELL SEALED BATTERIES FOR ENGINES * 4
9.	210AMP/HR GELL CELL SEALED BATTERIES FOR GENSET * 1
10.	AC SOCKETS THROUGHOUT THE BOAT
11.	GFI PROTECTION FOR AC REQUIRED SOCKETS
12.	BATTERY SELECT SWITCH
13.	MAIN ELECTRICAL PANEL INCLUDES AC & DC CIRCUIT BREAKERS
14.	AUTOMATIC ISOLATING & BOOSTER TRANSFORMER ♦ ANG AB12.5 KVA (50 AMP) *2 EAC
15.	ELECTROLOSIS BONDING SYSTEM
16.	4KW INVERTER * 1

VI. MECHANICAL AND PLUMBING SYSTEM :

1.	HOLDING TANK WITH MACERATOR PUMP
2.	HOLDING TANK LEVEL INDICATOR
3.	SUMP PUMP
4.	MARINE GRADE LINES FOR FRESH WATER SYSTEM
5.	S/S WATER TANK WITH SENDING UNIT ♦ 260 GALLONS
6.	ALUMINIUM FUEL TANK WITH SENDING UNIT ♦ 1096 GALLONS

JOHNSON 70-016 MOTORYACHT DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES

7.	SIGHT GAUGES FOR FUEL AND WATER TANKS
8.	DOCKSIDE FRESH WATER INLET
9.	COLOR CODED PIPING FOR EASY IDENTIFICATION
10.	BRONZE INTAKE VALVES FOR ALL THRU-HULL FITTINGS
11.	MANIFOLD OVERBOARD DISCHARGES TO MINIMISE NUMBER OF THROUGH HULL FITTINGS
12.	TECMA 24V FRESHWATER FLUSH TOILET SYSTEM
13.	HIGH WATER BILGE ALARM
14.	RULE 3700 BILGE PUMP 24V * 6
15.	SIDEPower BOW & STERN HYDRAULIC THRUSTER
16.	SLEIPNER/SIDEPower SPS55B/800 VECTOR FINS TM STABILIZER

VII. INTERIOR FINISH :

1.	INTERIOR JOINERY IN CHERRY AND IVORY LACQUER WITH COLLECTION OF UPHOLSTERY FABRICS SELECTED BY DESIGN UNLIMITED SUPERYACHT DESIGN CO, UK
2.	MARBLE SHOWER FLOOR AND MARBLE COUNTERTOPS SELECTED BY DESIGN UNLIMITED SUPERYACHT DESIGN CO, UK

VIII. GALLEY :

1.	ISOTHERM CR130 REFRIGERATOR
2.	ISOTHERM CR90 FRIZZER
3.	S/S SINK
4.	HOT AND COLD WATER
5.	FISHER & PAYKEL DD24SCTW9N DISHWASHER
6.	DOUBLE AC SOCKETS * 2
7.	CUPBOARD,DRAWERS AND STOWAGE
8.	FISHER & PAYKEL CMOH30SS-3T MICROWAVE W/EXTRACTOR

JOHNSON 70-016 MOTORYACHT DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES	
10.	HARO-AFTICAN OAK#528674-PARQUET FLOOR
11.	MIELE KM5621 COOKTOP
IX. SALOON :	
1.	MANUAL S/S SALOON SLIDING DOOR
2.	SAMSUNG 55" QLED 4K TV
3.	KEF STEREO SYSTEM
4.	ONKYO AMPLIFIER
5.	HIGH QUALITY LEATHER COUCH IN LOWER SALOON & DINNING AREA
6.	BLINDS,CURTAINS
7.	LOW LEVEL LIGHTS 24V
8.	CEILING LED LIGHTING 24V
9.	COFFEE TABLE
10.	INDIRECT LIGHTING
11.	SPLENDID WASHER
12.	SPLENDID DRYER
X. MASTER STATEROOM :	
1.	KING SIZE BERTH
2.	STORAGE BENEATH
3.	DRAWERS IN BASE END
4.	VANITY
5.	LED CEILING LIGHTING 24V

JOHNSON 70-016 MOTORYACHT

DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES

6.	QUICK AUDREY WALL USB NS READING LIGHTS_LEATHER_SABBIA_SAND 24V * 2
7.	QUICK TB 316 Tower 4+4W WALL LIGHT 24V* 2
8.	LARGE GLASS WINDOWS EACH SIDE W/CENTER PIECE OPENABLE
9.	SAMSUN 43" 4K LED LCD TV
10.	ONKYO AMPLIFIER
11.	WALK-IN CLOSET
12.	KEF STEREO SYSEM
XI. MASTER EN SUITE SHOWER ROOM :	
1.	TECMA T-S2G024NW/D01C00 – SILENCE PLUS 2G 24V TOILET (BONE COLOR)
2.	WASH BASIN WITH MABLE COUNTERTOP
3.	HOT & COLD WATER
4.	FAUCET AND FITTINGS
5.	MIRROR AND MIRROR CEILING
6.	LACQUER FINISH ABOVE BASIN COUNTERTOP
7.	VENEER FINISH BELOW BASIN COUNTERTOP
8.	EXTRACTOR FAN
9.	AC DOUBLE SOCKET WITH GFI
10.	LAQUER FINISH IN SHOWER AREA
11.	LED CEILING LIGHTS 24V
12.	MARBLE FLOOR

JOHNSON 70-016 MOTORYACHT

DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES

XII. FORWARD (VIP) STATEROOM :

1.	DOUBLE BERTH
2.	STORAGE BENEATH
3.	DRAWERS IN BASE END
4.	WALK-IN CLOSET
5.	SAMSUNG 32" 4K LED LCD HDTV
6.	QUICK AUDREY WALL USB NS READING LIGHTS_LEATHER_SABBIA_SAND 24V * 2
7.	LED CEILING LIGHTS 24V
8.	FUSION STEREO SYSEM
9.	AC DOUBLE SOCKETS
10.	ONE LARGE WINDOW EACH SIDE W/CENTER PIECE OPENABLE

XIII. FORWARD (VIP) EN SUIT SHOWER ROOM :

1.	TECMA T-S2G024NW/D01C00 – SILENCE PLUS 2G 24V TOILET (WHITE COLOR)
2.	WASH BASIN WITH MABLE COUNTERTOP
3.	HOT & COLD WATER
4.	FAUCET AND FITTINGS
5.	MIRROR AND MIRROR CEILING
6.	LACQUER FINISH ABOVE BASIN COUNTERTOP
7.	veneer finish below basin countertop
8.	EXTRACTOR FAN

JOHNSON 70-016 MOTORYACHT DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES	
9.	AC DOUBLE SOCKET WITH GFI
10.	SHOWER AREA W/LACQUER FINISH
11.	LED CEILING LIGHTS 24V
12.	MARBLE FLOOR
XIV. STARBOARD GUEST CABIN :	
1.	TWO SINGLE BERTH
2.	UNDER BERTH STORAGE
3.	QUICK MAYA30 READING LIGHTS 24V * 2
4.	LED CEILING LIGHTS 24V * 2
5.	HANGING LOCKER
6.	SAMSUNG 32"4K LED LCD HDTV
7.	FUSION STEREO SYSEM
XV. STARBOARD HEAD/DAY HEAD :	
1.	TECMA T-S2G024NW/D01C00 – SILENCE PLUS 2G 24V TOILET (WHITE COLOR)
2.	WASH BASIN WITH MABLE COUNTERTOP
3.	HOT & COLD WATER
4.	FAUCET AND FITTINGS
5.	MIRROR AND MIRROR CEILING
6.	SEPARATE SHOWER COMPARTMENT W/LACQUER FINISH
7.	AC DOUBLE SOCKET WITH GFI
8.	LACQUER FINISH ABOVE BASIN COUNTERTOP

JOHNSON 70-016 MOTORYACHT DESCRIPTION OF ESSENTIAL EQUIPMENTS AND FEATURES	
--	--

9.	VENEER FINISH BELOW BASIN COUNTERTOP
----	--------------------------------------

10.	EXTRACTOR FAN
-----	---------------

11.	LED CEILING LIGHTS 24V
-----	------------------------

12.	MARBLE FLOOR
-----	--------------

XVI. PORT GUEST CABIN ::	
---------------------------------	--

1.	TWO SINGLE BERTH
----	------------------

2.	STORAGE BENEATH
----	-----------------

3.	HANGING CLOSET
----	----------------

4.	QUICK MAYA30 READING LIGHTS 24V * 2
----	-------------------------------------

5.	LED CEILING LIGHTS 24V * 2
----	----------------------------

6.	HANGING LOCKER
----	----------------

7.	FUSION STEREO SYSEM
----	---------------------

8.	SAMSUNG 32"4K LED LCD HDTV
----	----------------------------

XVII. CREW CABIN :	
---------------------------	--

1.	ENTRANCE DOOR FROM PORT SIDE
----	------------------------------

2.	LED CEILING LIGHTS 24V
----	------------------------

3.	AC DOUBLE SOCKET
----	------------------

4.	FUSION STEREO SYSEM
----	---------------------

5.	TECMA T-S2G024NW/D01C00 – SILENCE PLUS 2G 24V TOILET (WHITE COLOR)
----	--

3. ELECTRICAL DRAWINGS FOR BOAT MAJOR SYSTEMS

ALL THIS INFORMATION IS PRESENTED IN THE ATTACHED DRAWINGS, AS FOLLOWS:

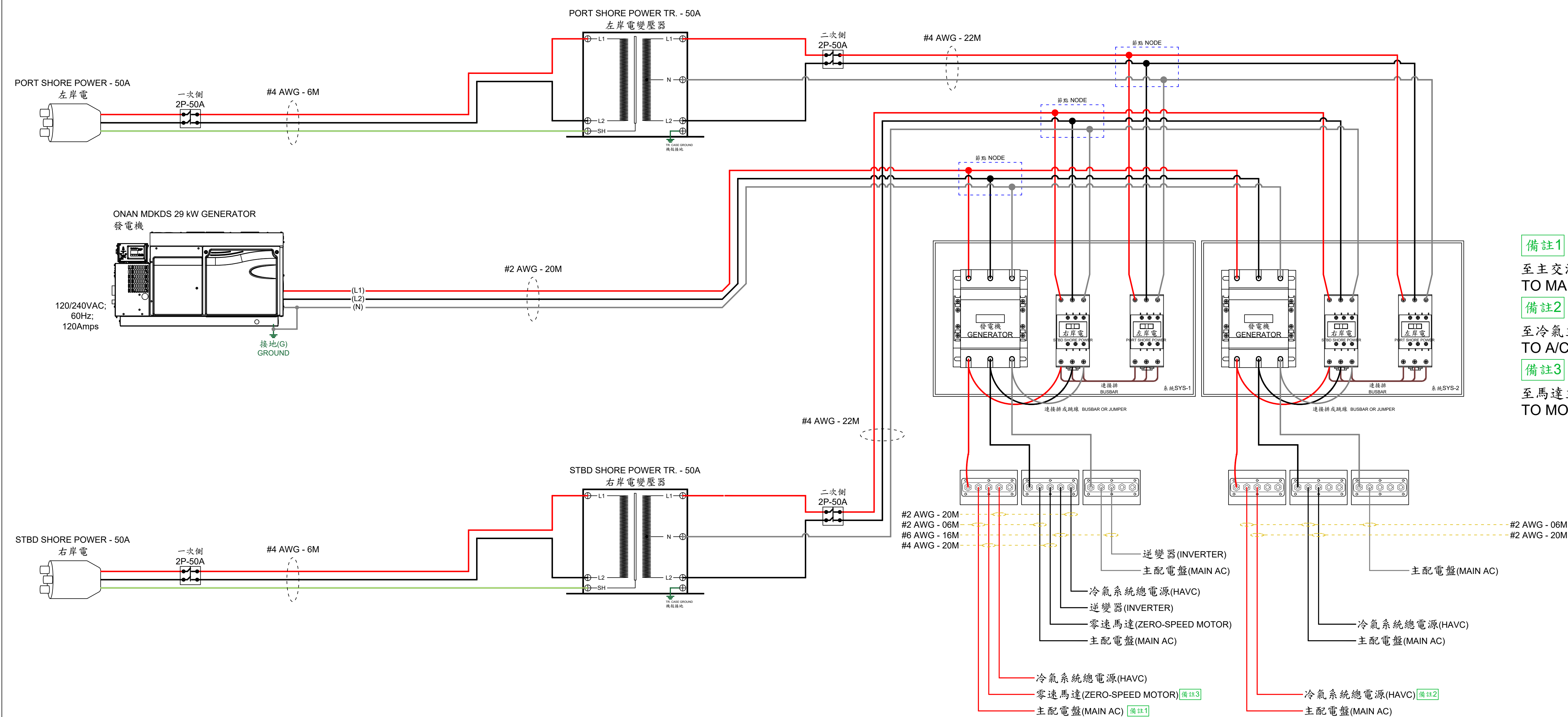
E001	AC SYSTEM
E002	AC SYSTEM LOADS
E003	INVERTER POWER CABLE CONNECTION
E004	C-ZONE SYSTEM LAYOUT
E005	C-ZONE SYSTEM COI#01 MODULE
E006	C-ZONE SYSTEM COI#02 MODULE
E007	C-ZONE SYSTEM COI#01#02 DSB MODULE
E008	C-ZONE SYSTEM TOUCH 10" DISPLAY
E009	C-ZONE SYSTEM TOUCH 5" DISPLAY
E010	C-ZONE SYSTEM WIRELESS INTERFACE
E011	C-ZONE SYSTEM COI#03 MODULE
E012	C-ZONE SYSTEM SI#01#02 MODULE
E013	C-ZONE SYSTEM COI#04 MODULE
E014	C-ZONE SYSTEM SI#03#04 MODULE
E015	C-ZONE SYSTEM OI#01#02 MODULE
E016	C-ZONE SYSTEM MI#01 MODULE
E017	C-ZONE SYSTEM SURGE PROTECTION MODULE
E018	C-ZONE SYSTEM OUTPUT INTERFACE
E019	C-ZONE SYSTEM COMBINE OUTPUT INTERFACE
E020	ENGINE ROOM LAYOUT (1/3)
E021	ENGINE ROOM LAYOUT (2/3)
E022	ENGINE ROOM LAYOUT (3/3)
E023	CREW CABIN AND LAZARETTE LAYOUT
E024	HARDTOP LAYOUT E025
E025	NAVIGATION SYSTEM
E026	SEA-FIRE SYSTEM
E027	STABILIZER SYSTEM
E028	E/R VENTILATION SYSTEM
E029	AV ENTERTAINMENT SYSTEM

圖號索引表
INDEX OF DRAWING NO.

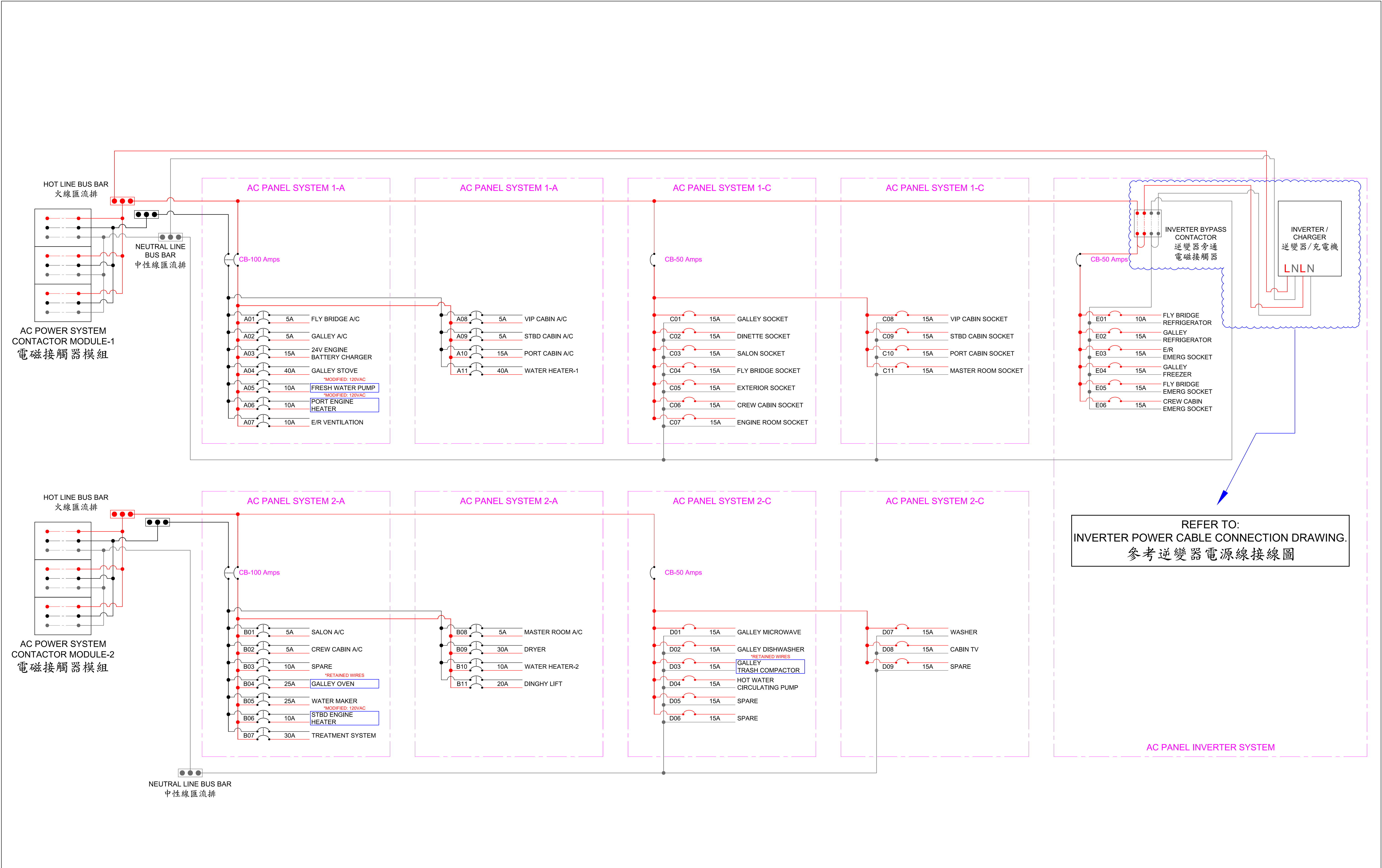
圖號 DRAWING NO.	標題 TITLE	圖號 DRAWING NO.	標題 TITLE
E001	交流系統 AC SYSTEM	E011	電控系統模組 C-ZONE SYSTEM COI#03 MODULE
E002	交流系統負載 AC SYSTEM LOADS	E012	電控系統模組 C-ZONE SYSTEM SI#01#02 MODULE
E003	逆變器電源接線 INVERTER POWER CABLE CONNECTION	E013	電控系統模組 C-ZONE SYSTEM COI#04 MODULE
E004	電控系統總圖 C-ZONE SYSTEM LAYOUT	E014	電控系統模組 C-ZONE SYSTEM SI#03#04 MODULE
E005	電控系統模組 C-ZONE SYSTEM COI#01 MODULE	E015	電控系統模組 C-ZONE SYSTEM OI#01#02 MODULE
E006	電控系統模組 C-ZONE SYSTEM COI#02 MODULE	E016	電控系統模組 C-ZONE SYSTEM MI#01 MODULE
E007	電控系統模組 C-ZONE SYSTEM COI#01#02 DSB MODULE	E017	電控系統模組 C-ZONE SYSTEM SURGE PROTECTION MODULE
E008	電控系統模組 C-ZONE SYSTEM TOUCH 10" DISPLAY	E018	電控系統模組 C-ZONE SYSTEM OUTPUT INTERFACE
E009	電控系統模組 C-ZONE SYSTEM TOUCH 5" DISPLAY	E019	電控系統模組 C-ZONE SYSTEM COMBINE OUTPUT INTERFACE
E010	電控系統模組 C-ZONE SYSTEM WIRELESS INTERFACE	E020	機艙佈置圖 ENGINE ROOM LAYOUT (1/3)

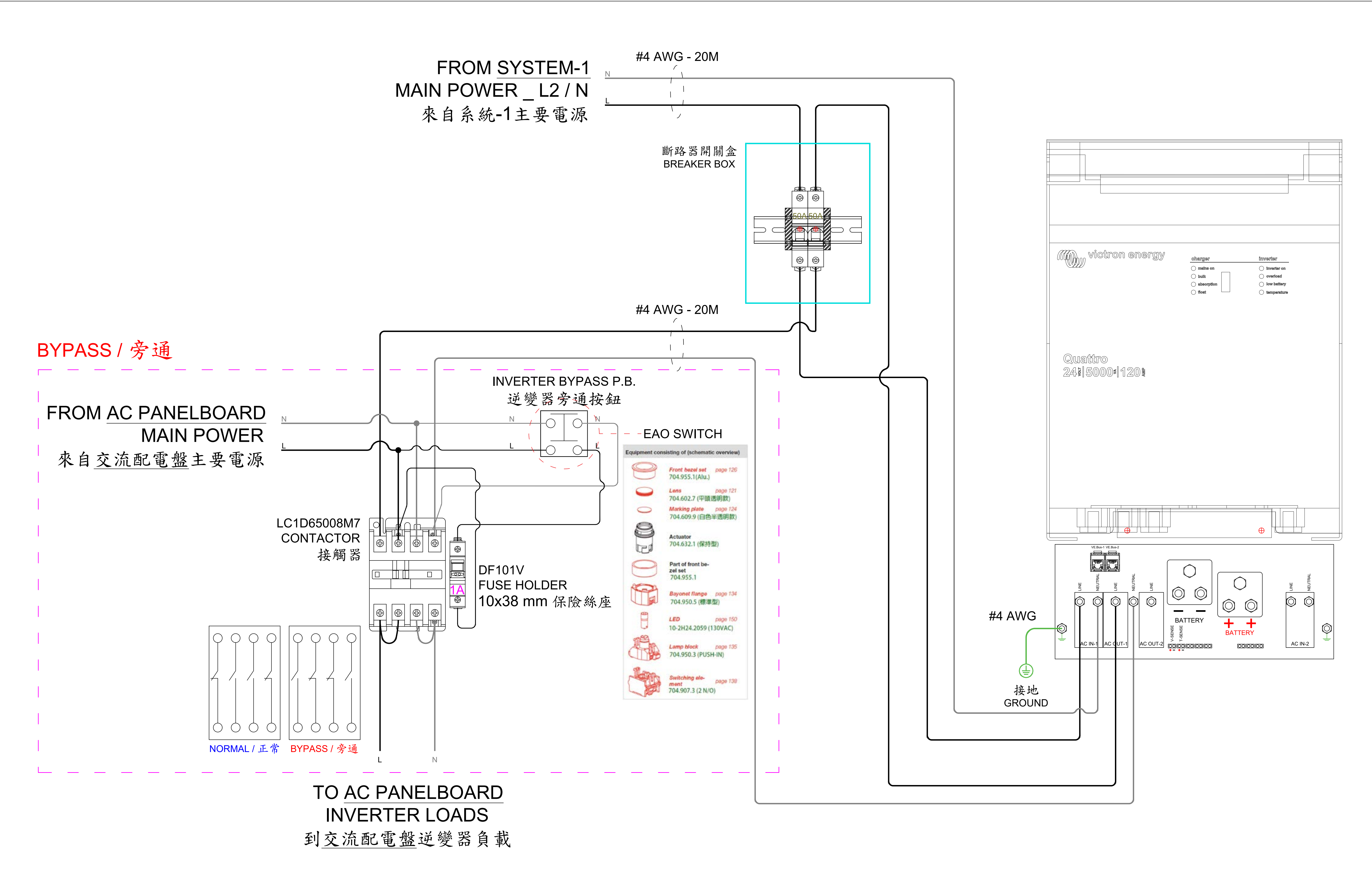
圖號索引表
INDEX OF DRAWING NO.

圖號 DRAWING NO.	標題 TITLE	圖號 DRAWING NO.	標題 TITLE
E021	機艙佈置圖 ENGINE ROOM LAYOUT (2/3)		
E022	機艙佈置圖 ENGINE ROOM LAYOUT (3/3)		
E023	水手與舵艙佈置圖 CREW CABIN AND LAZARETTE LAYOUT		
E024	頂棚佈置圖 HARDTOP LAYOUT		
E025	航儀系統 NAVIGATION SYSTEM		
E026	消防系統 SEA-FIRE SYSTEM		
E027	穩定翼系統 STABILIZER SYSTEM		
E028	機艙通風系統 E/R VENTILATION SYSTEM		
E029	影音娛樂系統 AV ENTERTAINMENT SYSTEM		



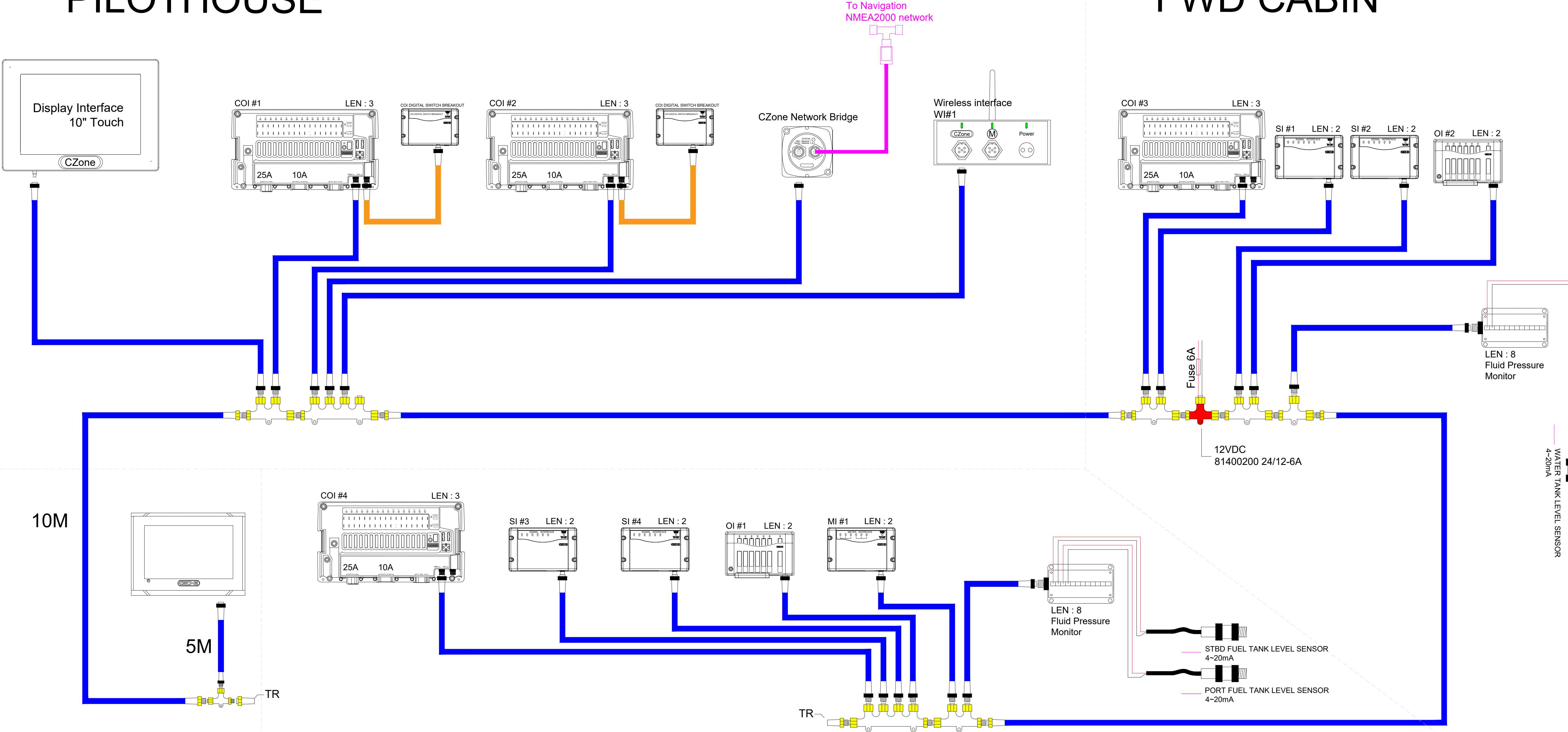
- 備註1
至主交流配電盤一次側。
TO MAIN AC PANEL PRIMARY.
- 備註2
至冷氣主電源斷路器一次側。
TO A/C MAIN POWER C.B. PRIMARY.
- 備註3
至馬達主電源斷路器一次側。
TO MOTOR MAIN POWER C.B. PRIMARY.





PILOTHOUSE

FWD CABIN



SALON

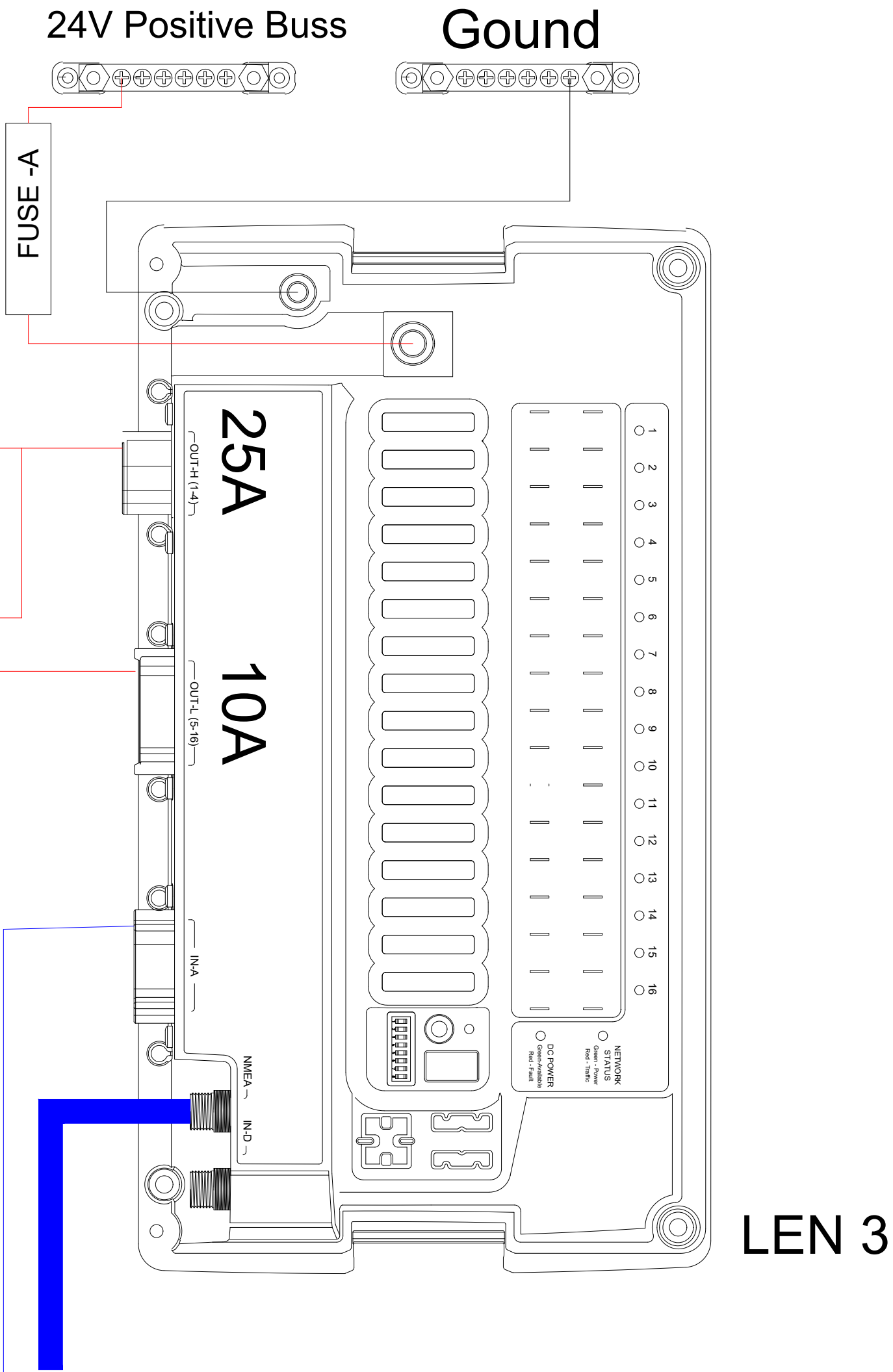
CREW CABIN

電控系統總圖
C-ZONE SYSTEM LAYOUT

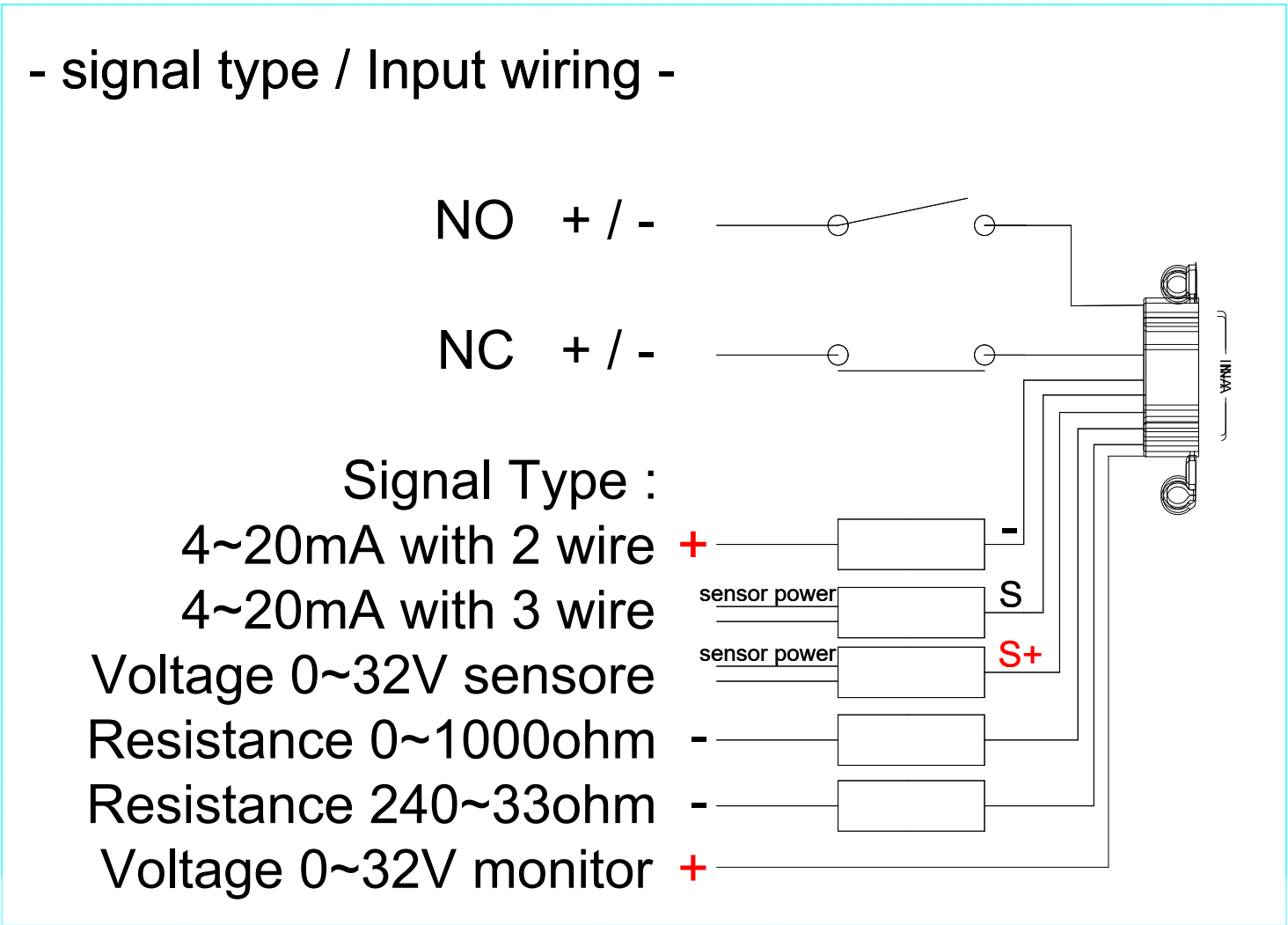
Location : Pilothouse
COI#01 Dip-Switch : 10000000 24Vsystem

		Load	Ampere (Max)	COI Output Index
Ch 1	-	- A	25A	1
Ch 2	-	- A	25A	2
Ch 3	-	- A	25A	3
Ch 4	-	- A	25A	4
Ch 5	GALLEY LIGHT	5 A	10A	5
Ch 6	DINETTE LIGHT	5 A	10A	6
Ch 7	SALON LIGHT#1	10 A	10A	7
Ch 8	SALON LIGHT#2	5 A	10A	8
Ch 9	AFT DECK LIGHT	10 A	10A	9
Ch 10	STBD SIDE DECK LIGHT	5 A	10A	10
Ch 11	PORT SIDE DECK LIGHT	5 A	10A	11
Ch 12	MAIN DECK COURTESY LIGHT	5 A	10A	12
Ch 13	AFT DECK STEP LIGHT	5 A	10A	13
Ch 14	FLY BRIDGE LIGHT	5 A	10A	14
Ch 15	ALARM BELL	1 A	10A	15
Ch 16	F/B STEP LIGHT	5 A	10A	16

			COI Input Type	COI Input Index
Ch 1	-		Neg.	1
Ch 2	AFT DECK TO F/B STEP LIGHT SWITCH	NO. -	Neg.	2
Ch 3	GALLEY LIGHT SWITCH	NO. -	Neg.	3
Ch 4	DINETTE LIGHT SWITCH	NO. -	Neg.	4
Ch 5	SALON LIGHT #1 SWITCH	NO. -	Neg.	5
Ch 6	SALON LIGHT #2 SWITCH	NO. -	Neg.	6
Ch 7	AFT DECK LIGHT SWITCH	NO. -	Neg.	7
Ch 8	FLY BRIDGE LIGHT SWITCH	NO. -	Neg.	8



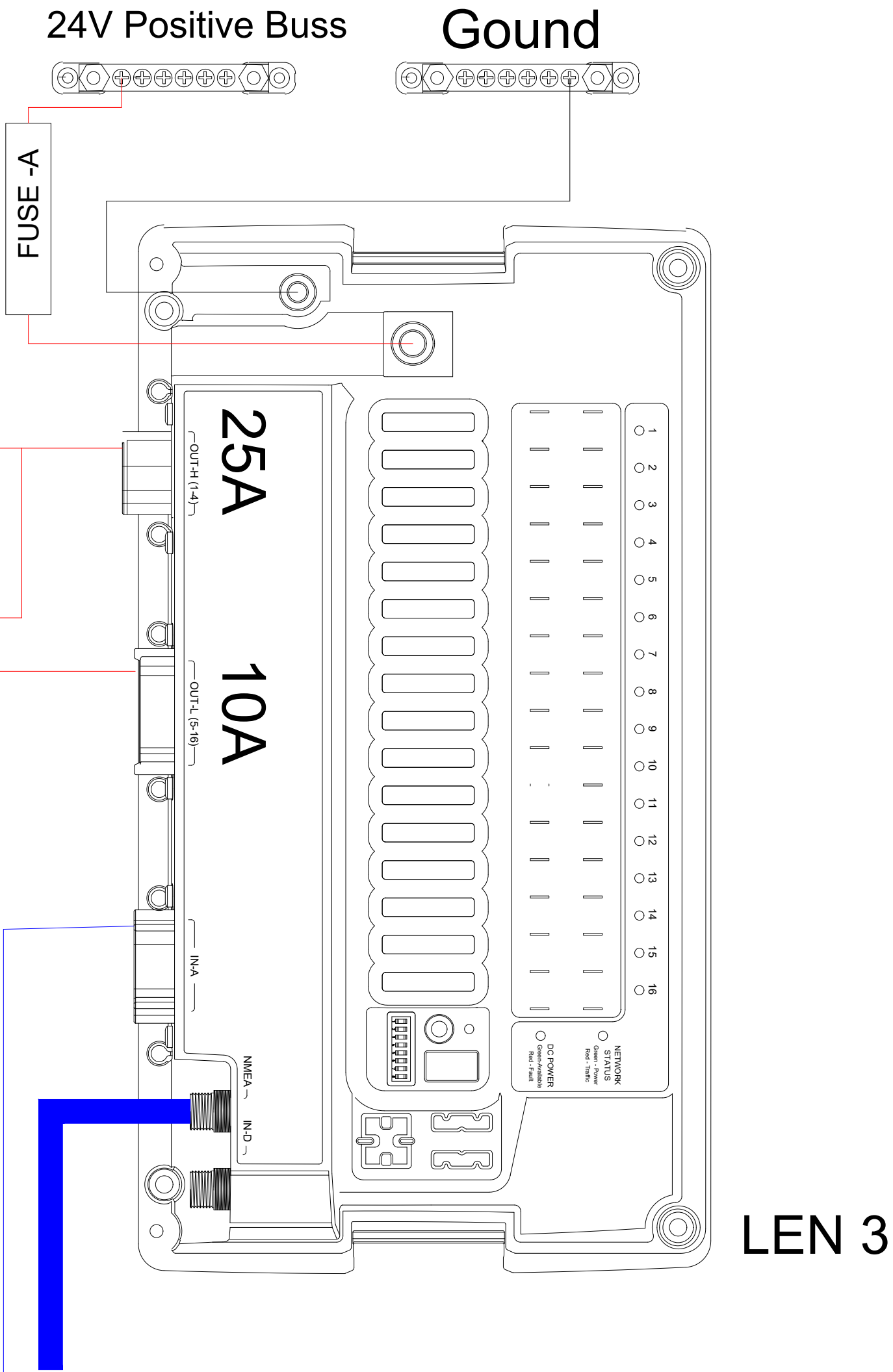
NMEA2000 Drop cable



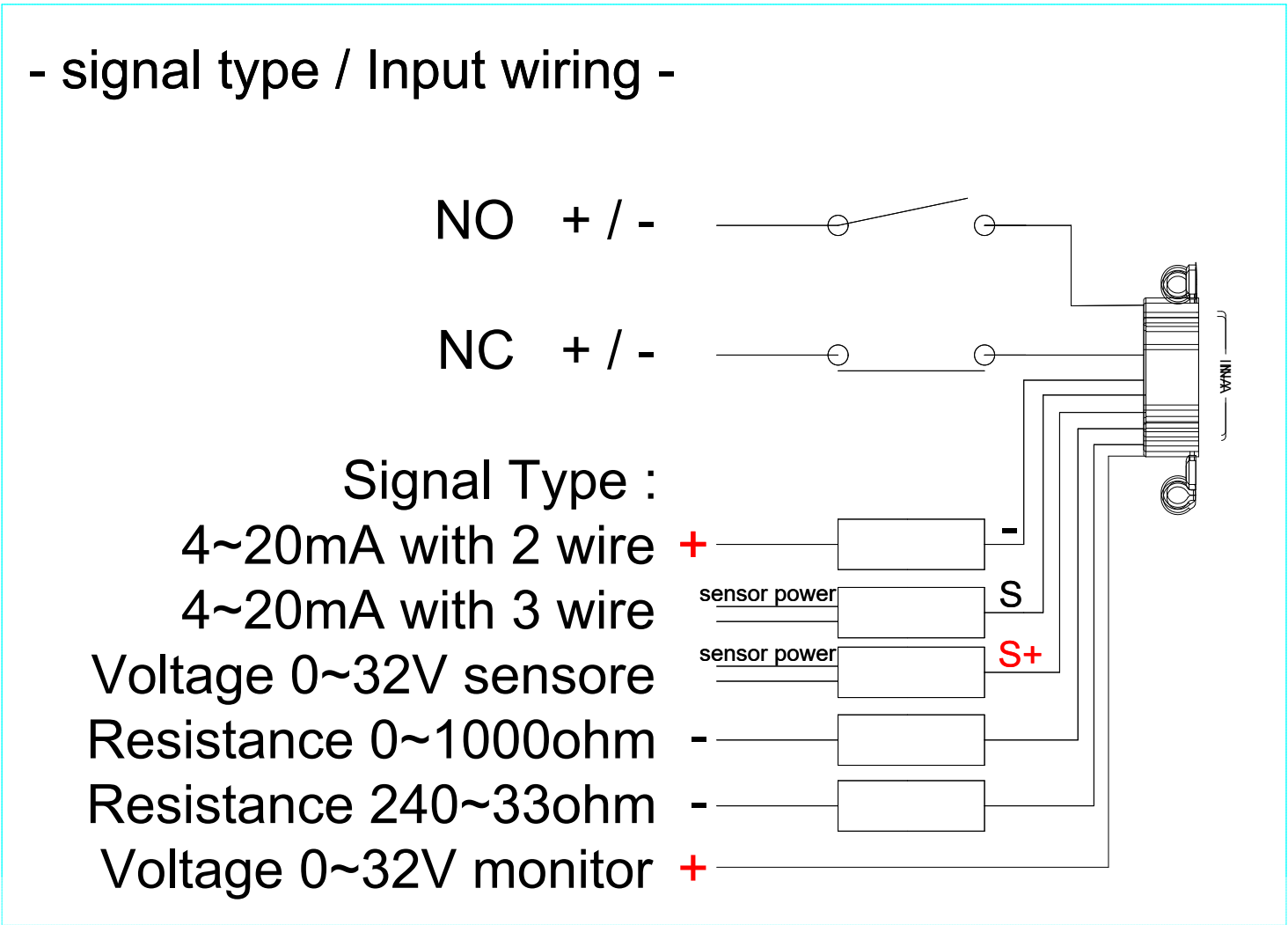
Location : Pilothonue
COI#02 Dip-Switch : 01000000 24Vsystem

			Load	Ampere (Max)	COI Output Index
Ch 1	RADAR		25 A	25A	1
Ch 2	VHF		15 A	25A	2
Ch 3	STEREO		25 A	25A	3
Ch 4	HELM CHAIR		10 A	25A	4
Ch 5	NAVIGATION LIGHT		5 A	10A	5
Ch 6	ANCHOR LIGHT		5 A	10A	6
Ch 7	SEARCH LIGHT		10 A	10A	7
Ch 8	CHARTPOLTTER		10 A	10A	8
Ch 9	AIS		5 A	10A	9
Ch 10	NETWORK		5 A	10A	10
Ch 11	SONAR		5 A	10A	11
Ch 12	STABILIZER DISPLAY		2 A	10A	12
Ch 13	AIR HORN RELAY		1 A	10A	13
Ch 14	RUDDER INDICATOR		1 A	10A	14
Ch 15	WIPER		10 A	10A	15
Ch 16	NIGHT-LIGHT		10 A	10A	16

			Input Type	COI Input Index
Ch 1	STBD SIDE DECK LIGHT SWITCH	NO. -	Neg.	1
Ch 2	PORT SIDE DECK LIGHT SWITCH	NO. -	Neg.	2
Ch 3	MAIN DECK COURTESY LIGHT SWITCH	NO. -	Neg.	3
Ch 4	AFT DECK STEP LIGHT SWITCH	NO.	Neg.	4
Ch 5	AIR HORN SWITCH	NO.	Neg.	5
Ch 6	NAVIGATION LIGHT SWITCH	NO.	Neg.	6
Ch 7	NIGHT LIGHT SWITCH	NO. -	Neg.	7
Ch 8	-		.	8



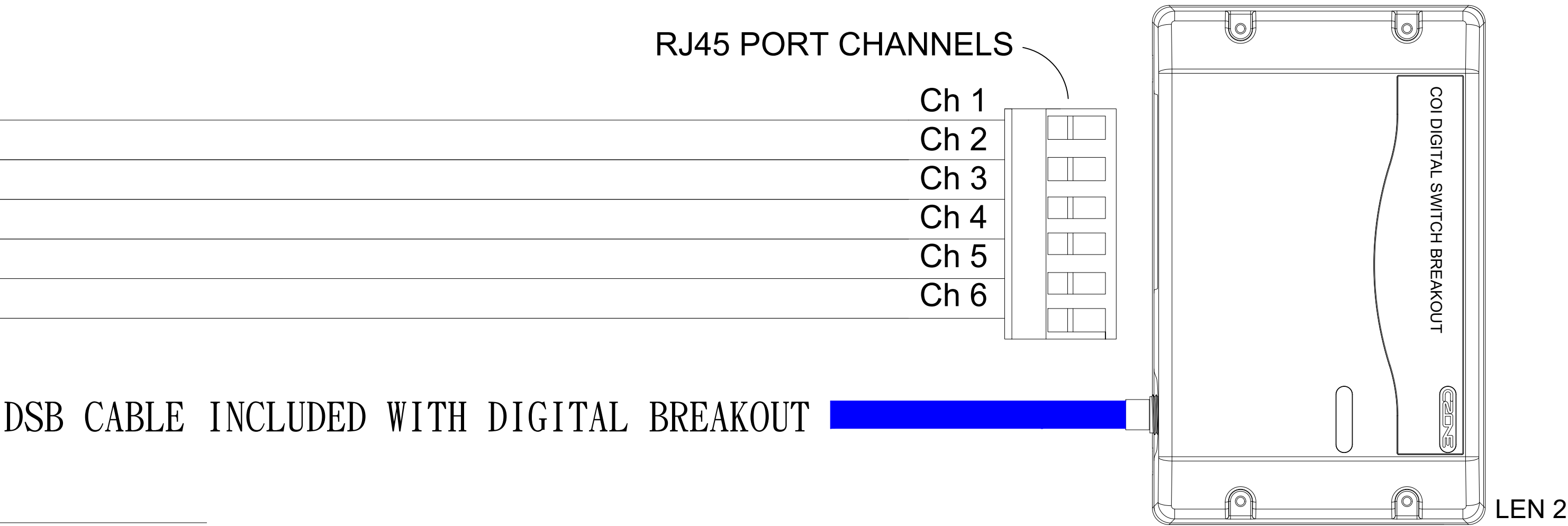
NMEA2000 Drop cable



Location : Pilothouse

COI#1 DSB Dip-Switch : -

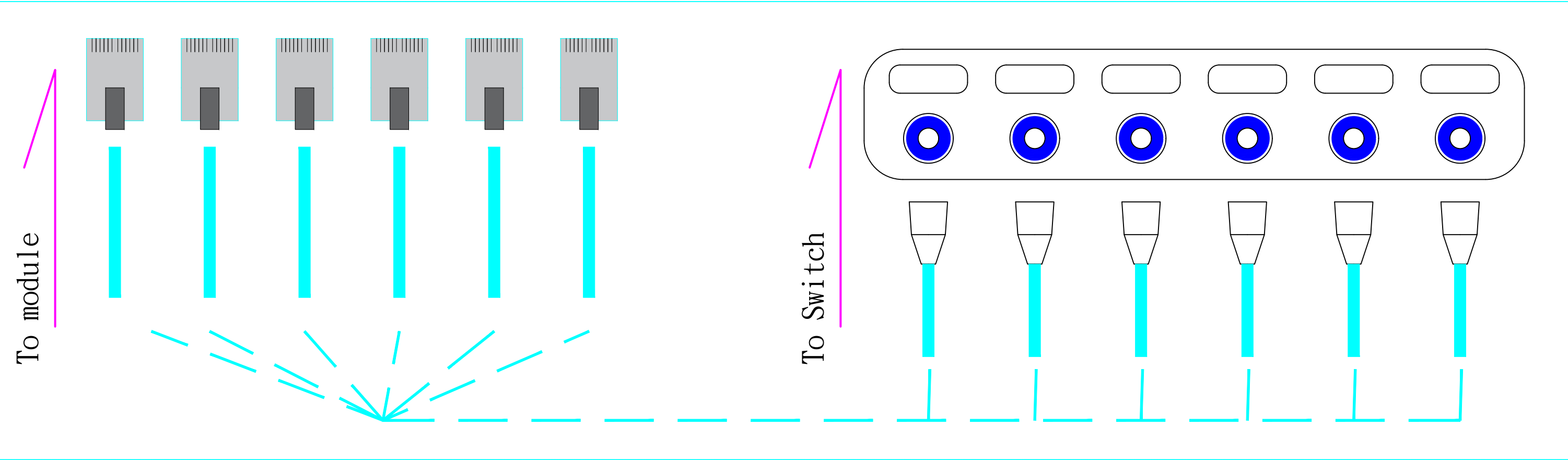
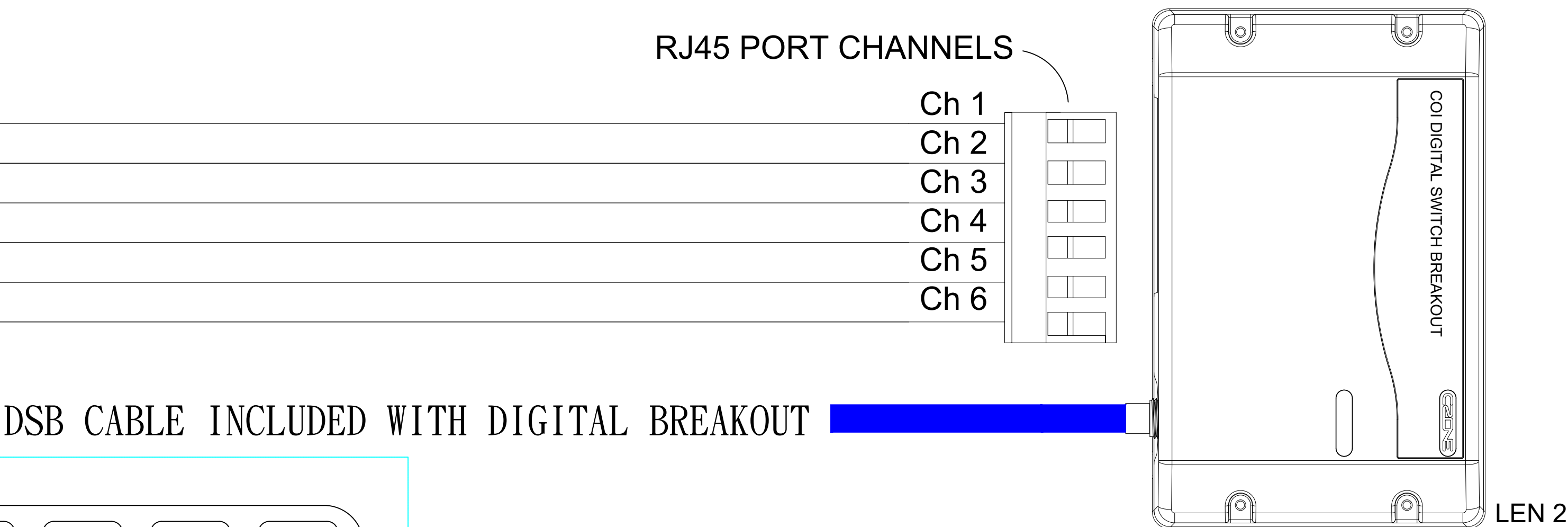
- Ch 1 FWD GRAY BILGE PUMP
- Ch 2 MID GRAY BILGE PUMP
- Ch 3 AFT GRAY BILGE PUMP
- Ch 4 -
- Ch 5 -
- Ch 6 -



Location : Pilothouse

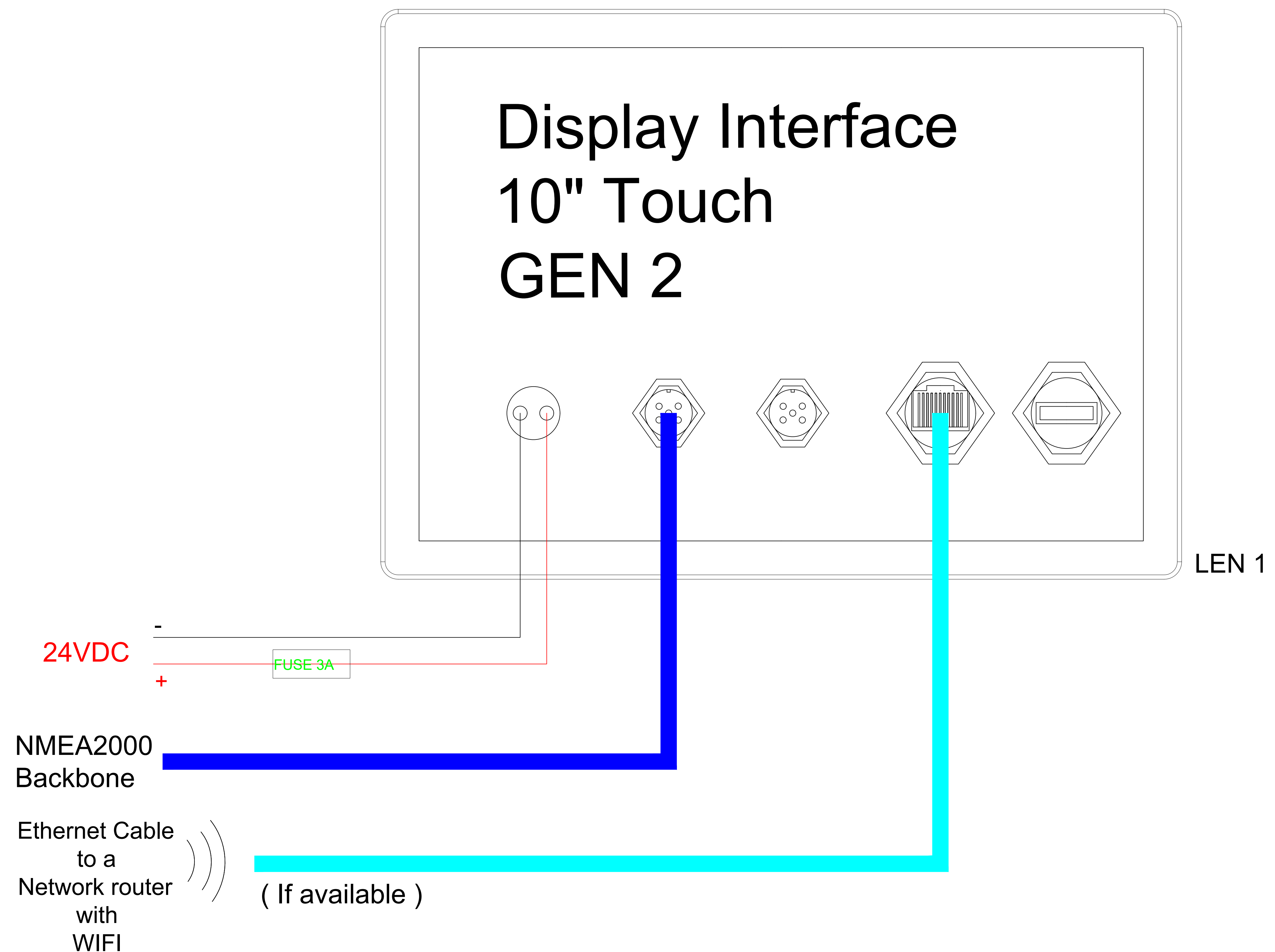
COI#2 DSB Dip-Switch : -

- Ch 1 FWD BILGE PUMP
- Ch 2 MID FWD BILGE PUMP
- Ch 3 MID AFT BILGE PUMP (MASTER ROOM)
- Ch 4 E/R FWD BILGE PUMP
- Ch 5 E/R AFT BILGE PUMP
- Ch 6 CREW CABIN BILGE PUMP



Location : Pilothouse

Touch 10" Dipswitch : 10000100



JOHNSON YACHT CO., LTD

電控系統模組
C-ZONE SYSTEM TOUCH 10" DISPLAY

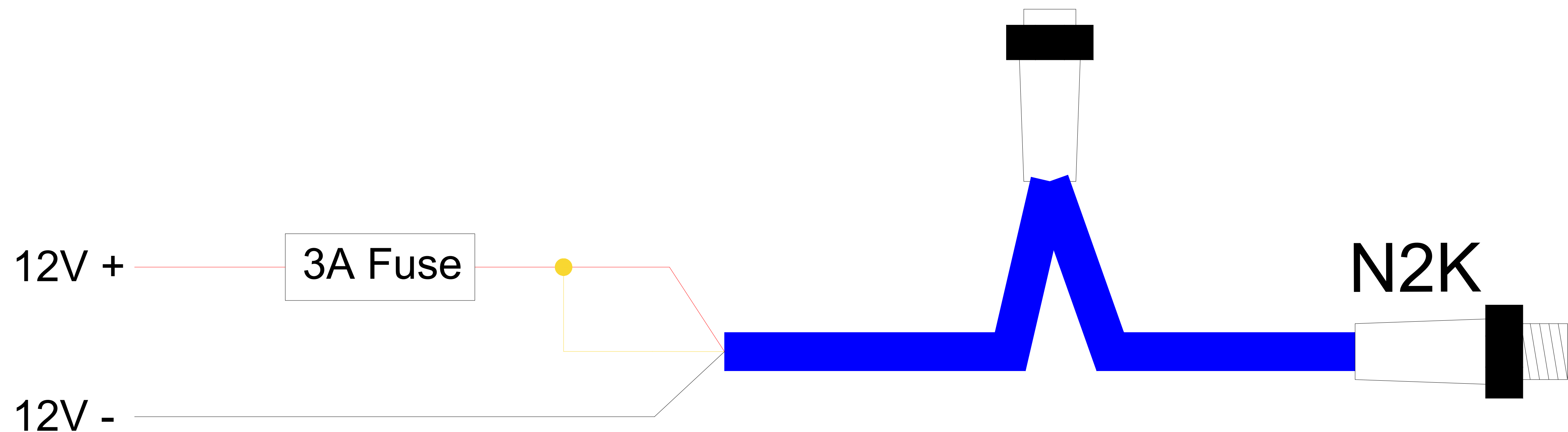
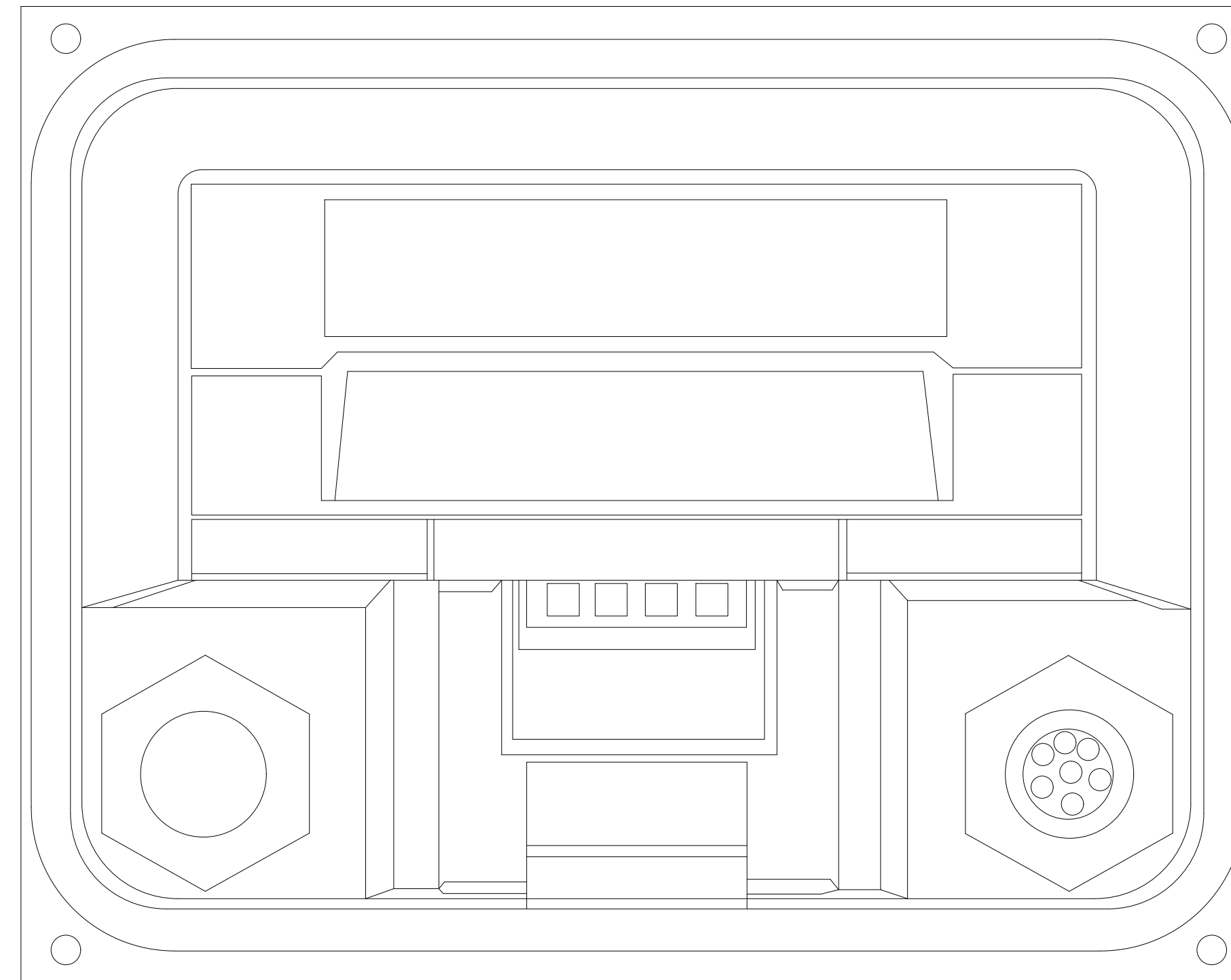
SHEET NO.

E008

Location : Salon

Touch 5" Dipswitch : 01000100

Display Interface Touch 5"



JOHNSON YACHT CO., LTD

電控系統模組
C-ZONE SYSTEM TOUCH 5" DISPLAY

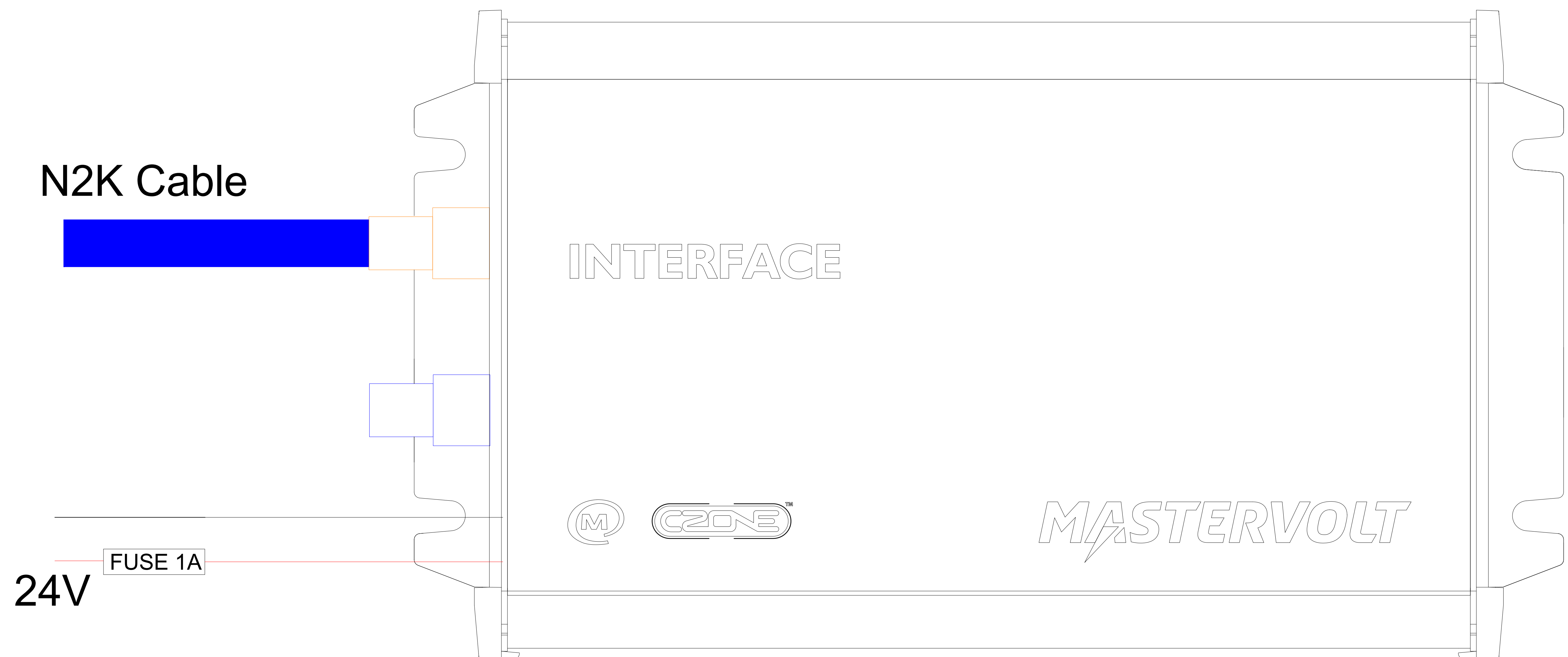
SHEET NO.

E009

Location : Pilothouse

Wireless Interface

Dip-Switch : 10001111



JOHNSON YACHT CO., LTD

電控系統模組
C-ZONE SYSTEM WIRELESS INTERFACE

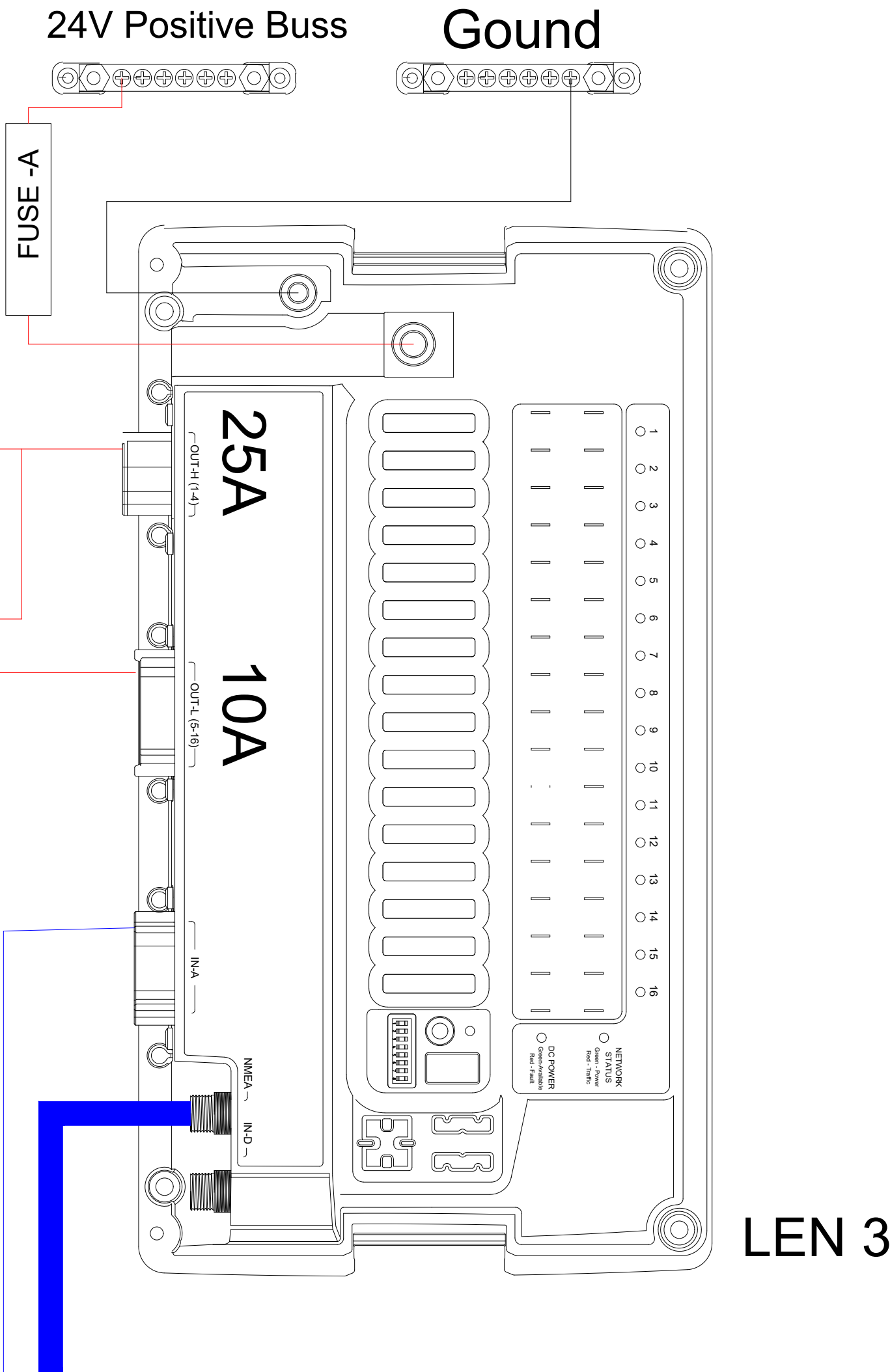
SHEET NO.

E010

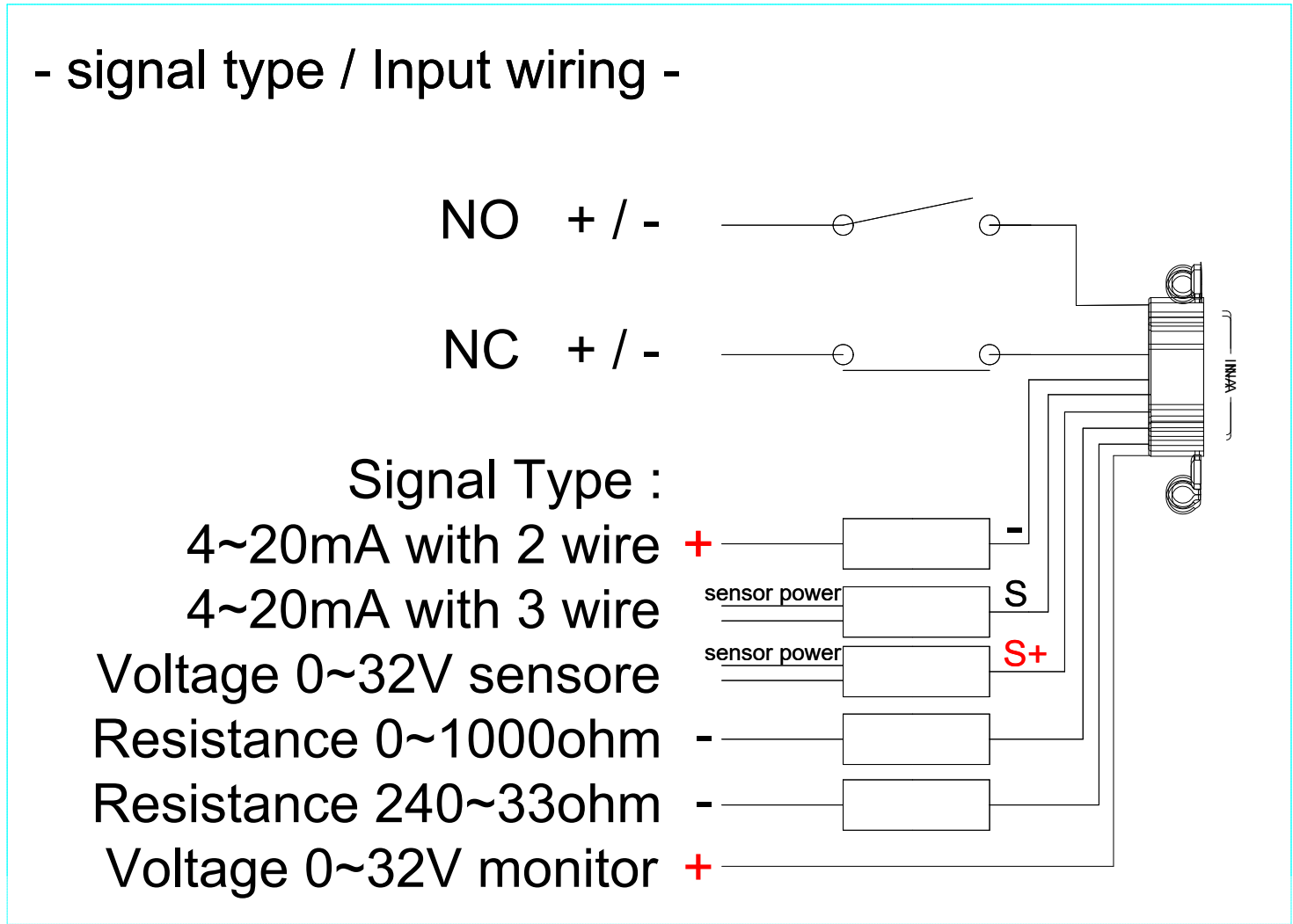
Location : Fwd Cabin
COI#3 Dip-Switch : 11000000 24Vsystem

			Load	Ampere (Max)	COI Output Index
Ch 1	FWD CABIN BILGE PUMP		15 A	25A	1
Ch 2	MID FWD BILGE PUMP		15 A	25A	2
Ch 3	MID AFT BILGE PUMP		15 A	25A	3
Ch 4	FRESH WATER PUMP		25 A	25A	4
Ch 5	VIP CABIN LIGHT		5 A	10A	5
Ch 6	STBD GUEST CABIN LIGHT		5 A	10A	6
Ch 7	CORRIDOR LIGHT		5 A	10A	7
Ch 8	PORT GUEST CABIN LIGHT		5 A	10A	8
Ch 9	MASTER STATEROOM LIGHT #1		5 A	10A	9
Ch 10	MASTER STATEROOM LIGHT #2		5 A	10A	10
Ch 11	HOLDING TANK TRANSFER PUMP (Cancel)		5 A	10A	11
Ch 12	FWD GRAY WATER PUMP		10 A	10A	12
Ch 13	MID GRAY WATER PUMP		10 A	10A	13
Ch 14	-		- A	10A	14
Ch 15	-		- A	10A	15
Ch 16	-		- A	10A	16

			Input Type	COI Input Index
Ch 1	BLACK WATER LOW LEVEL	NO. -	Neg.	1
Ch 2	BLACK WATER NORMAL LEVEL	NO. -	Neg.	2
Ch 3	BLACK WATER HIGH LEVEL	NO. -	Neg.	3
Ch 4	FWD GRAY WATER PUMP FLOAT SWITCH	NO. -	Neg.	4
Ch 5	MID GRAY WATER PUMP FLOAT SWITCH	NO. -	VOL.	5
Ch 6	-		VOL.	6
Ch 7	-		Neg.	7
Ch 8	-		.	8



NMEA2000 Drop cable



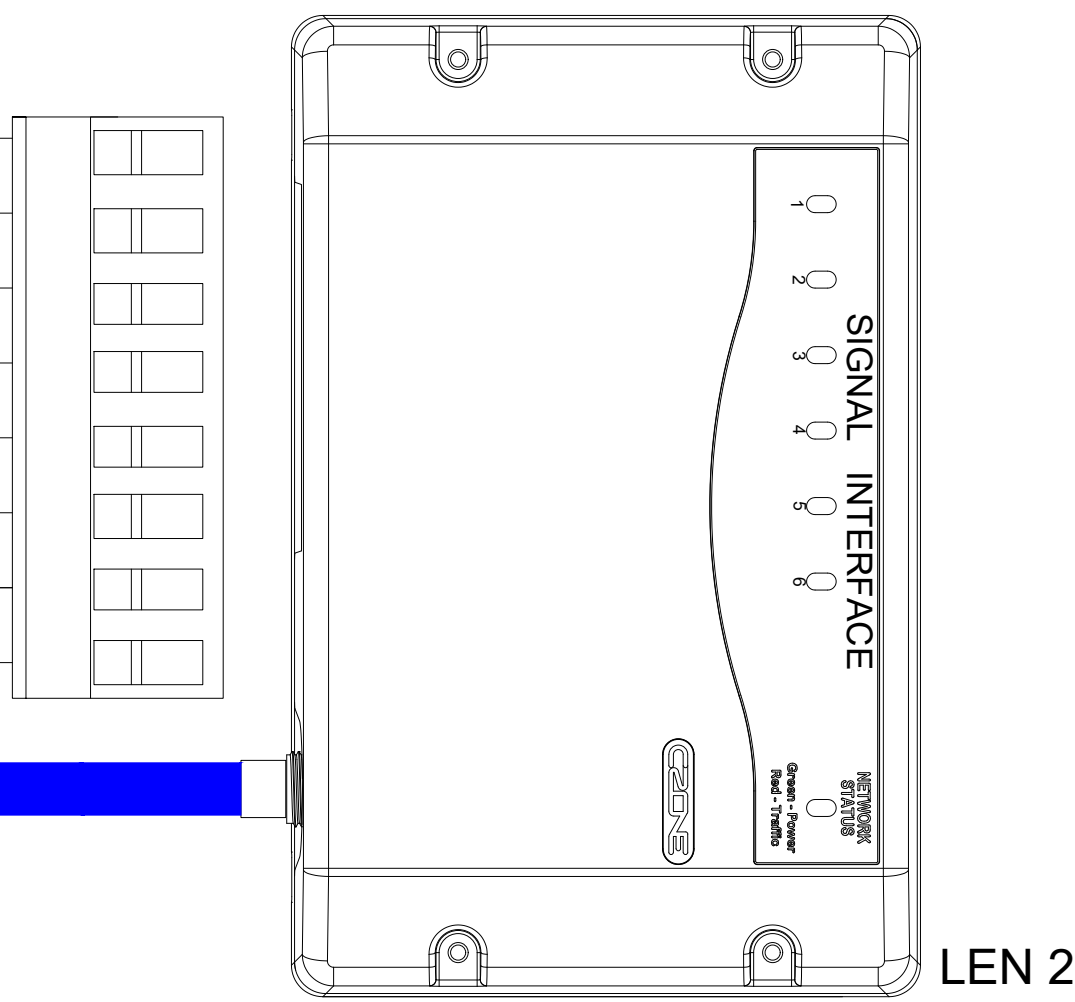
Location : Fwd Cabin

SI#1 Dip-Switch : 10000010

Ch 1 FWD CABIN BILGE PUMP FLOAT SWITCH
Ch 2 FWD CABIN BILGE PUMP HIGH LEVEL SWITCH
Ch 3 MID FWD BILGE PUMP FLOAT SWITCH
Ch 4 MID FWD BILGE PUMP HIGH LEVEL SWITCH
Ch 5 MID AFT BILGE PUMP FLOAT SWITCH
Ch 6 MID AFT BILGE PUMP HIGH LEVEL SWITCH
Ch 7 none
Ch 8 com negative

-NO Ch 1
-NO Ch 2
-NO Ch 3
-NO Ch 4
-NO Ch 5
-NO Ch 6
Ch 7
Ch 8

NMEA2000 Drop cable



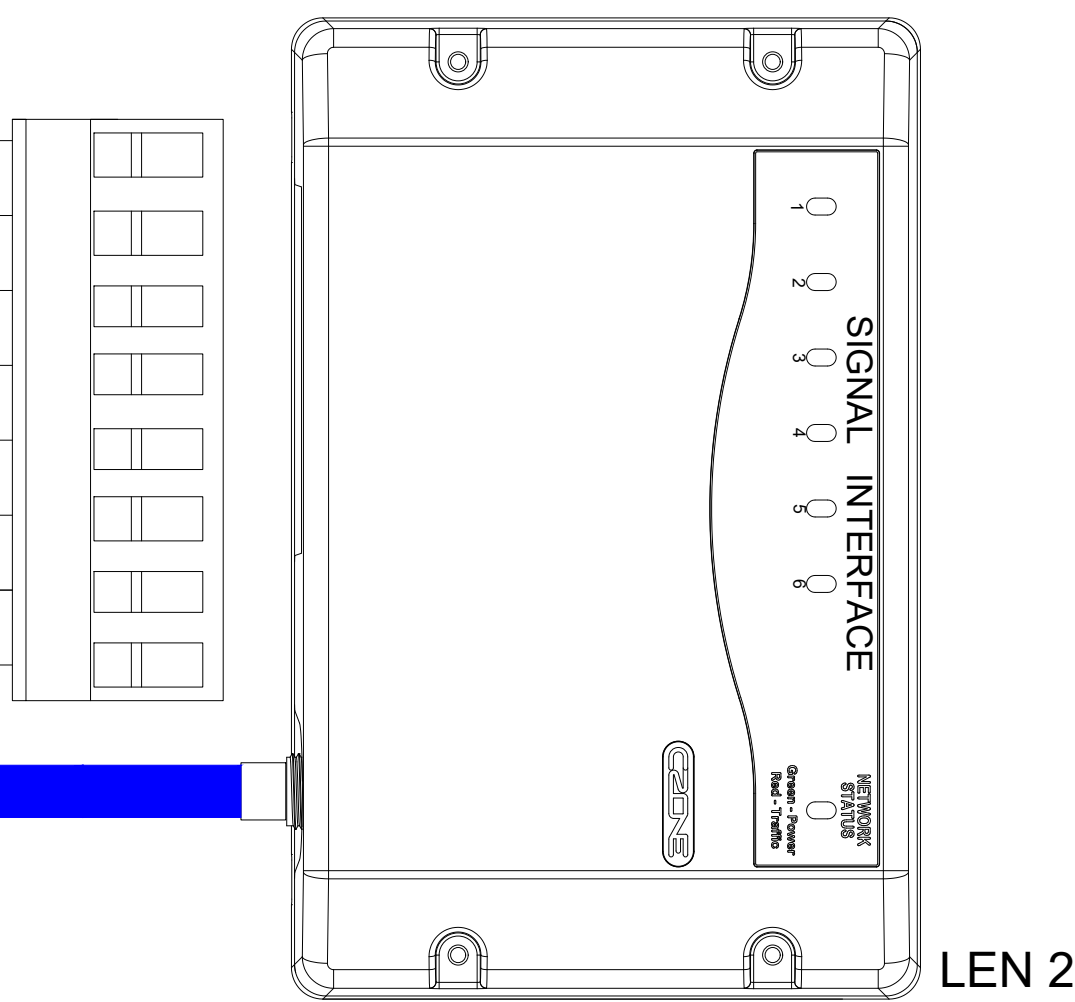
Location : Fwd Cabin

SI#2 Dip-Switch : 01000010

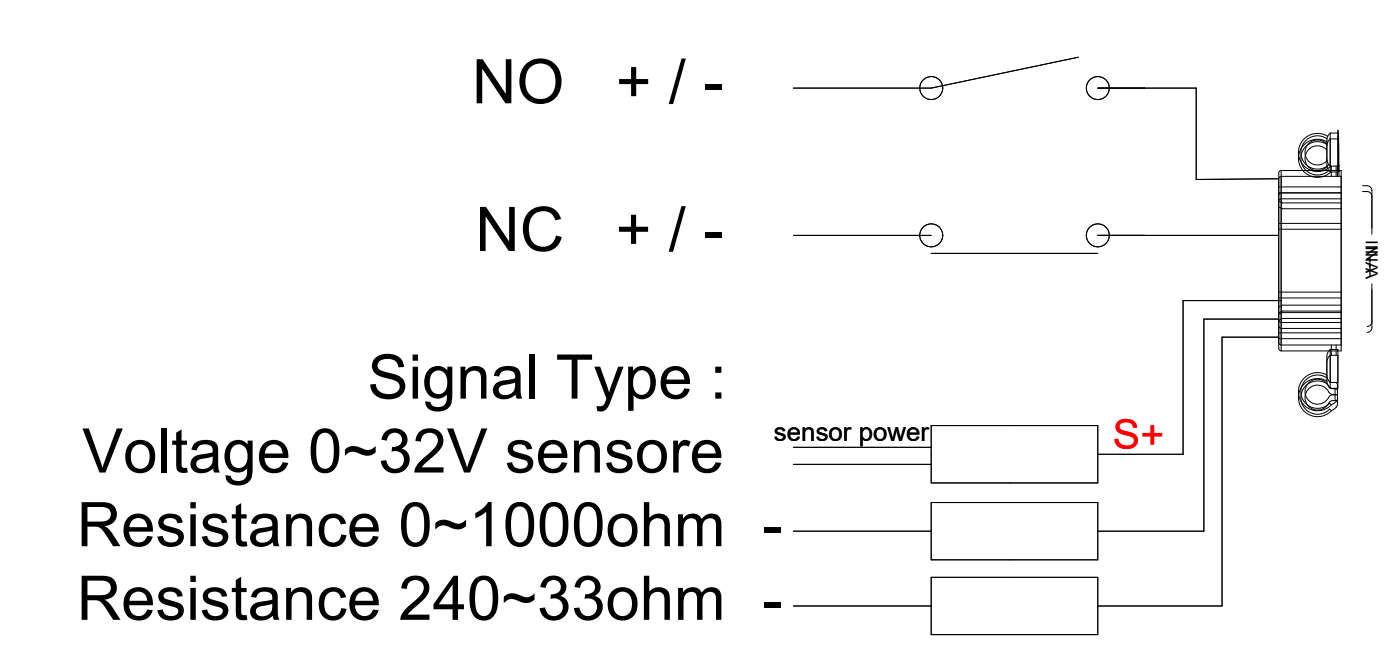
Ch 1 VIP CABIN LIGHT SWITCH
Ch 2 STBD GUEST CABIN LIGHT SWITCH
Ch 3 CORRIDOR LIGHT SWITCH
Ch 4 PORT GUEST CABIN LIGHT SWITCH
Ch 5 MASTER STATEROOM LIGHT #1 SWITCH
Ch 6 MASTER STATEROOM LIGHT #2 SWITCH
Ch 7 none
Ch 8 com negative

DIM +NO Ch 1
DIM -NO Ch 2
DIM -NC Ch 3
DIM +NO Ch 4
DIM +NO Ch 5
DIM Ch 6
Ch 7
Ch 8

NMEA2000 Drop cable



- signal type / Input wiring -



JOHNSON YACHT CO., LTD

電控系統模組
C-ZONE SYSTEM SI#01#02 MODULE

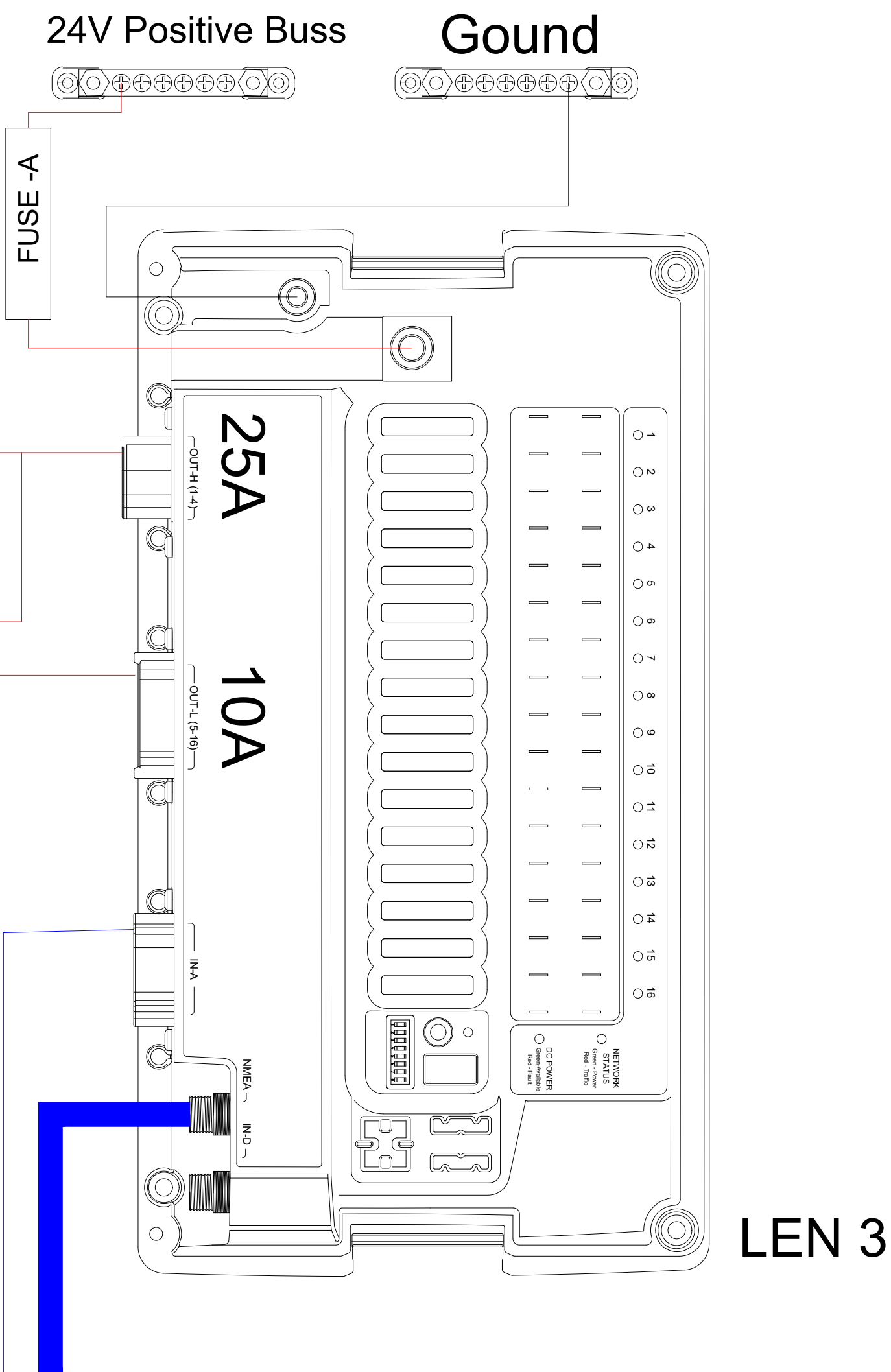
SHEET NO.

E012

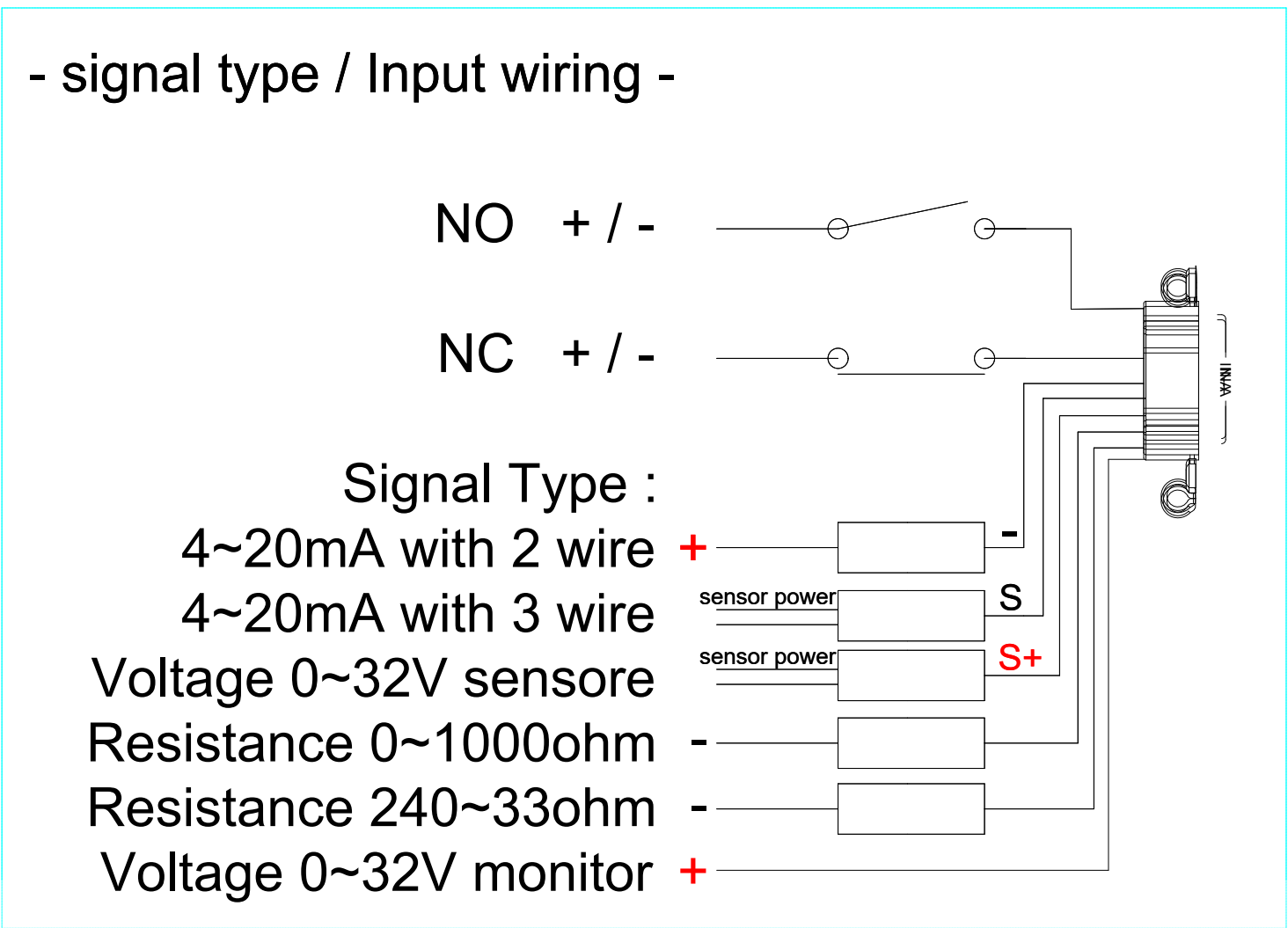
Location : Crew Cabin
COI#4 Dip-Switch : 00100000 24Vsystem

				COI
				Output Index
Ch 1	FWD E/R BILGE PUMP	15 A	25A	1
Ch 2	AFT E/R BILGE PUMP	15 A	25A	2
Ch 3	CREW CABIN BILGE PUMP	15 A	25A	3
Ch 4	-	- A	25A	4
Ch 5	ENGINE ROOM LIGHT	10 A	10A	5
Ch 6	CREW CABIN LIGHT	5 A	10A	6
Ch 7	AFT GRAY WATER PUMP	10 A	10A	7
Ch 8	UNDER WATER LIGHT	3 A	10A	8
Ch 9	UNDER WATER LIGHT	3 A	10A	9
Ch 10	SEA WATER PUMP	10 A	10A	10
Ch 11	OIL TRANSFER PUMP (Cancel)	5 A	10A	11
Ch 12	CREW CABIN HEAD	10 A	10A	12
Ch 13	CREW CABIN HEAD	10 A	10A	13
Ch 14	CREW CABIN HEAD	10 A	10A	14
Ch 15	CREW CABIN HEAD	10 A	10A	15
Ch 16	-	- A	10A	16

				COI
				Input Index
Ch 1	AFT GRAY WATER PUMP FLOAT SWITCH	NO. -	VOL.	1
Ch 2	-		VOL.	2
Ch 3	-		Neg.	3
Ch 4	-		Neg.	4
Ch 5	-		Neg.	5
Ch 6	-		Neg.	6
Ch 7	-		Neg.	7
Ch 8	-		.	8



NMEA2000 Drop cable



Location : Crew Cabin

SI#3 Dip-Switch : 11000010

Ch 1 FWD E/R BILGE PUMP FLOAT SWITCH

Ch 2 FWD E/R BILGE PUMP HIGH LEVEL SWITCH

Ch 3 AFT E/R BILGE PUMP FLOAT SWITCH

Ch 4 AFT E/R BILGE PUMP HIGH LEVEL SWITCH

Ch 5 CREW CABIN BILGE PUMP FLOAT SWITCH

Ch 6 CREW CABIN BILGE PUMP HIGH LEVEL SWITCH

Ch 7 none

Ch 8 com negative

-NO Ch 1

-NO Ch 2

-NO Ch 3

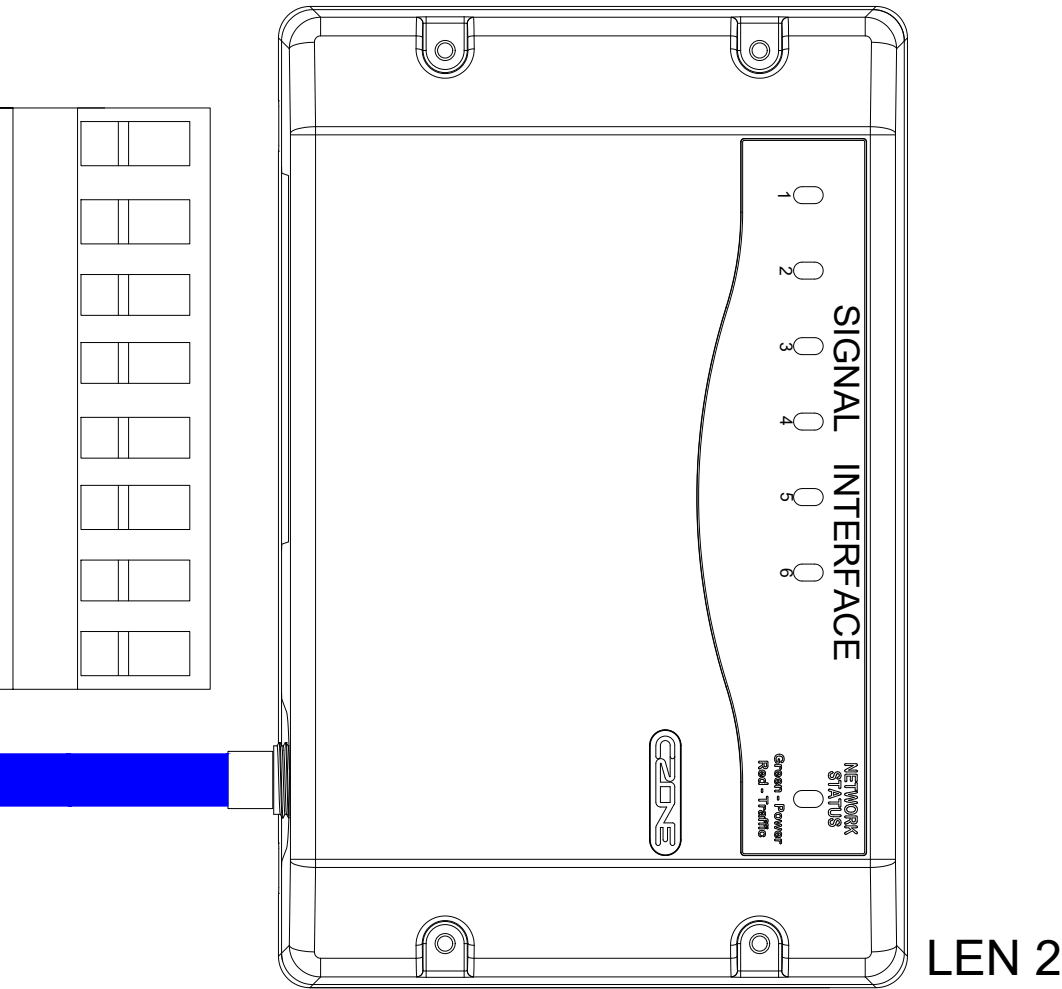
-NO Ch 4

-NO Ch 5

-NO Ch 6

Ch 7

Ch 8



Location : Crew Cabin

SI#4 Dip-Switch : 00100010

Ch 1 ENGINE ROOM LIGHT SWITCH

Ch 2 CREW CABIN LIGHT SWITCH

Ch 3 STBD ENGINE FUEL FILTER ALARM

Ch 4 PORT ENGINE FUEL FILTER ALARM

Ch 5 GENERATOR FUEL FILTER ALARM

Ch 6 SPARE

Ch 7 none

Ch 8 com negative

- -NO Ch 1

DIM -NO Ch 2

- -NO Ch 3

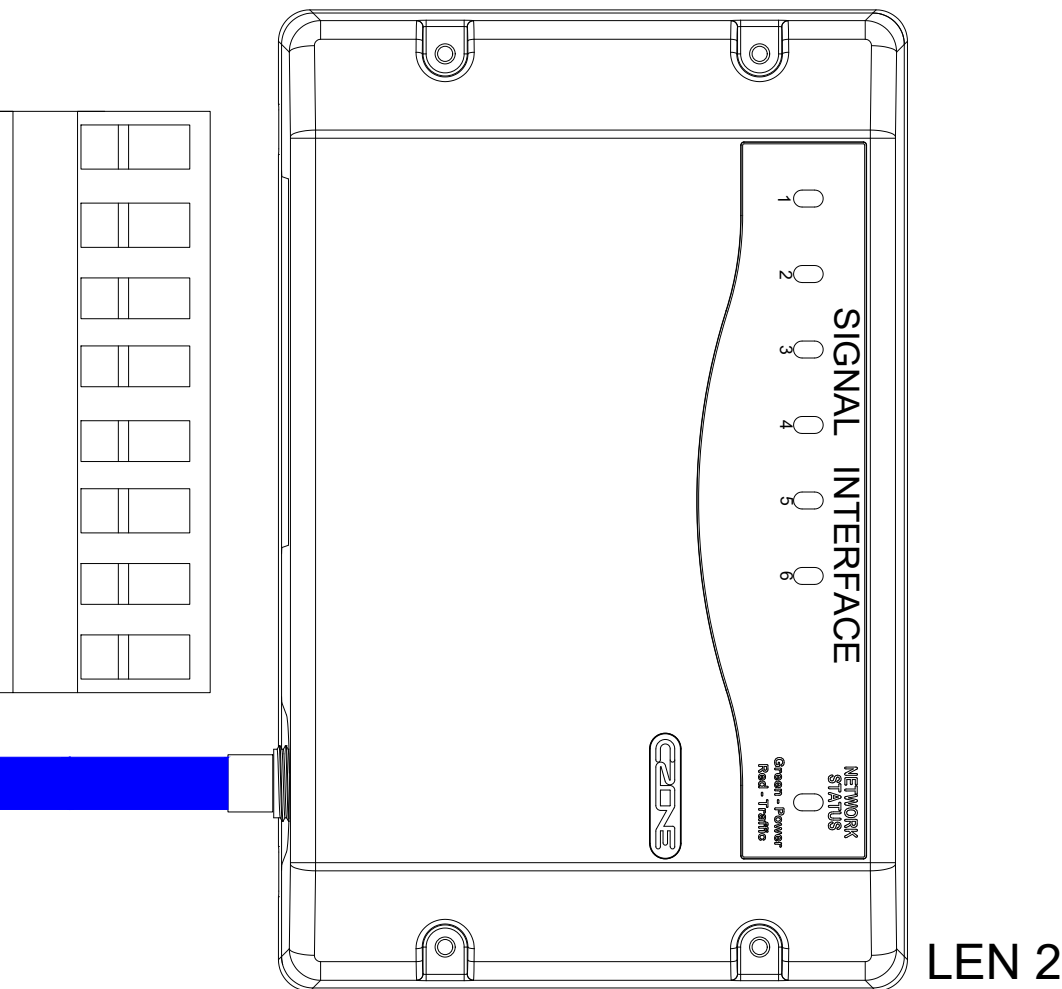
- -NO Ch 4

- -NO Ch 5

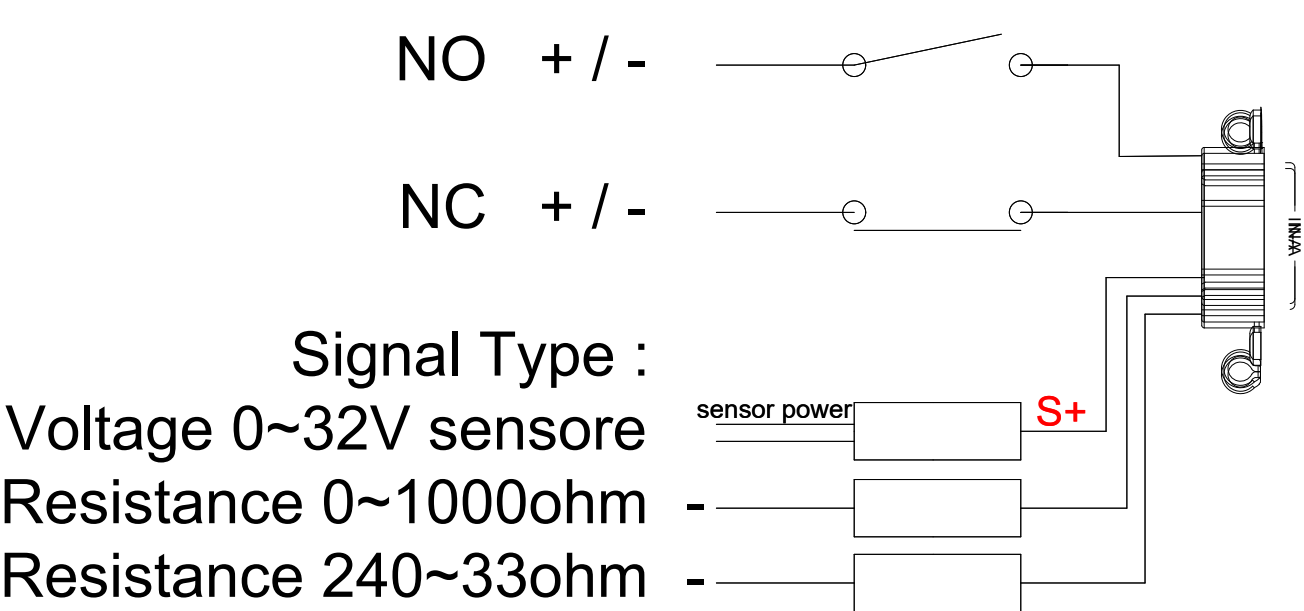
- Ch 6

Ch 7

Ch 8



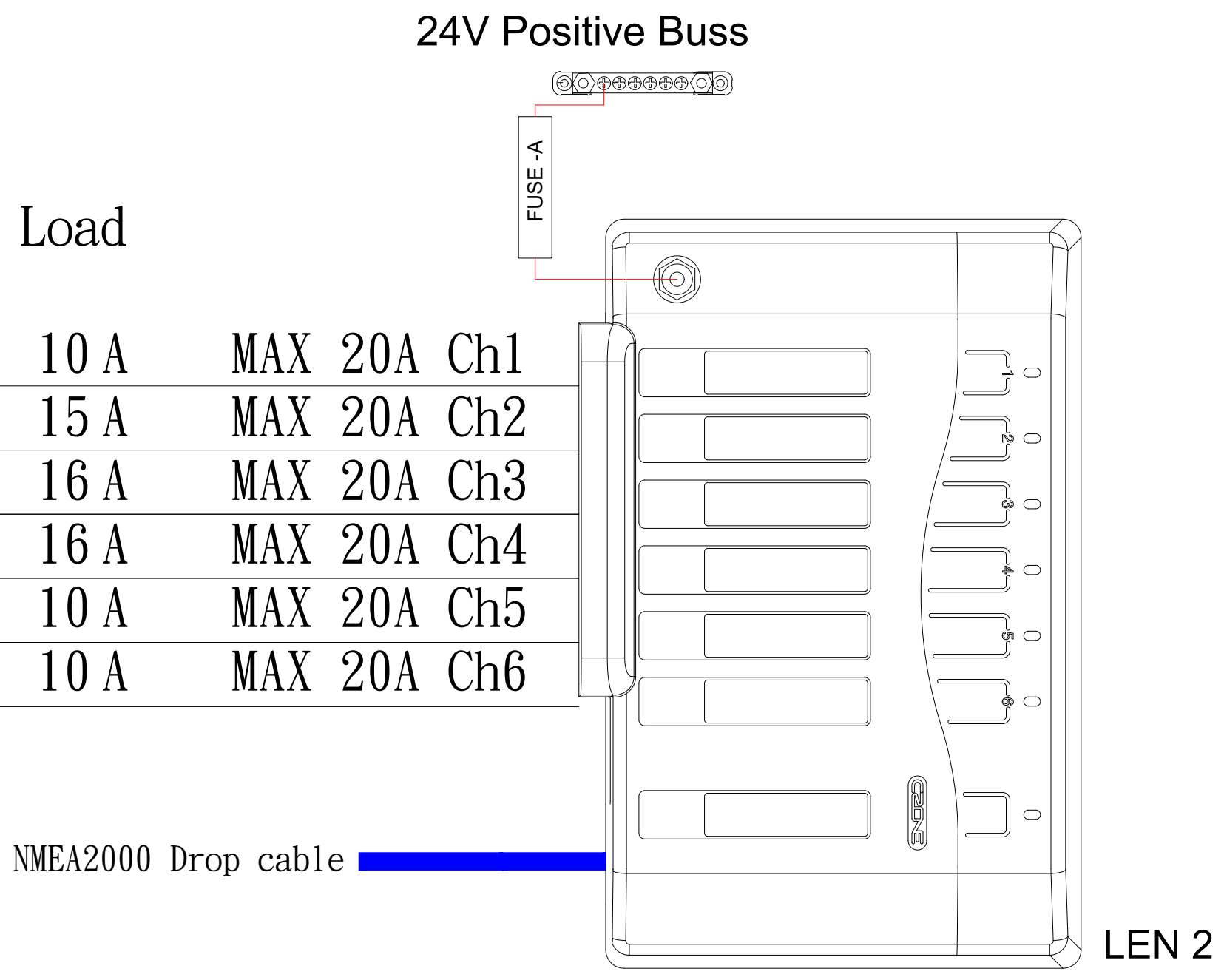
- signal type / Input wiring -



Location : Crew Cabin

Ol#2 Dip-Switch : 01000001 24Vsystem

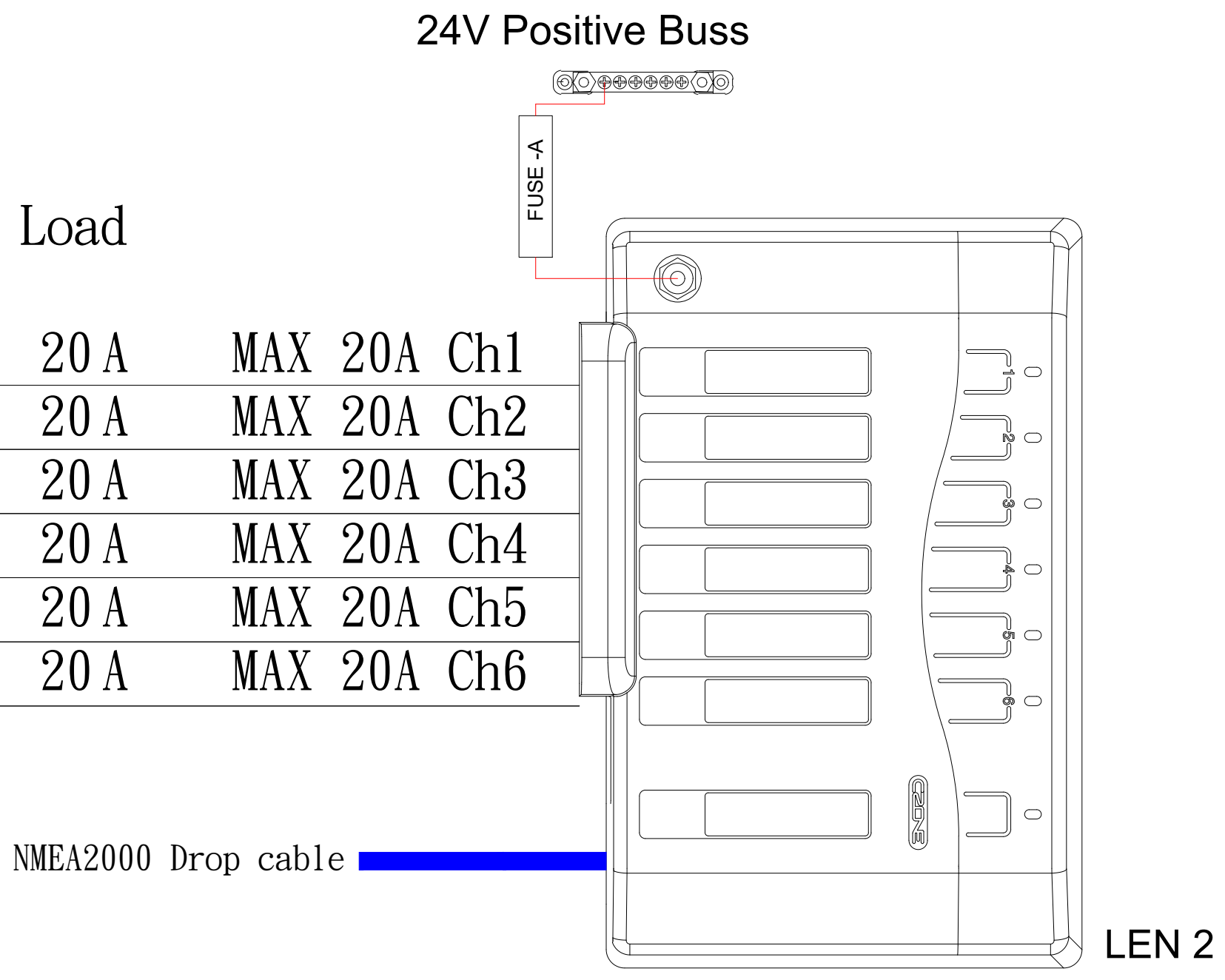
Ch 1	STABILIZER PHC3 CONTROLLER	10 A	MAX 20A	Ch1
Ch 2	STABILIZER SCU CONTROLLER	15 A	MAX 20A	Ch2
Ch 3	STABILIZER COOLING PUMP	16 A	MAX 20A	Ch3
Ch 4	STABILIZER COOLING PUMP	16 A	MAX 20A	Ch4
Ch 5	AIR HORN COMPRESSOR	10 A	MAX 20A	Ch5
Ch 6	CABLE MASTER	10 A	MAX 20A	Ch6



Location : Stbd Guest Cabin

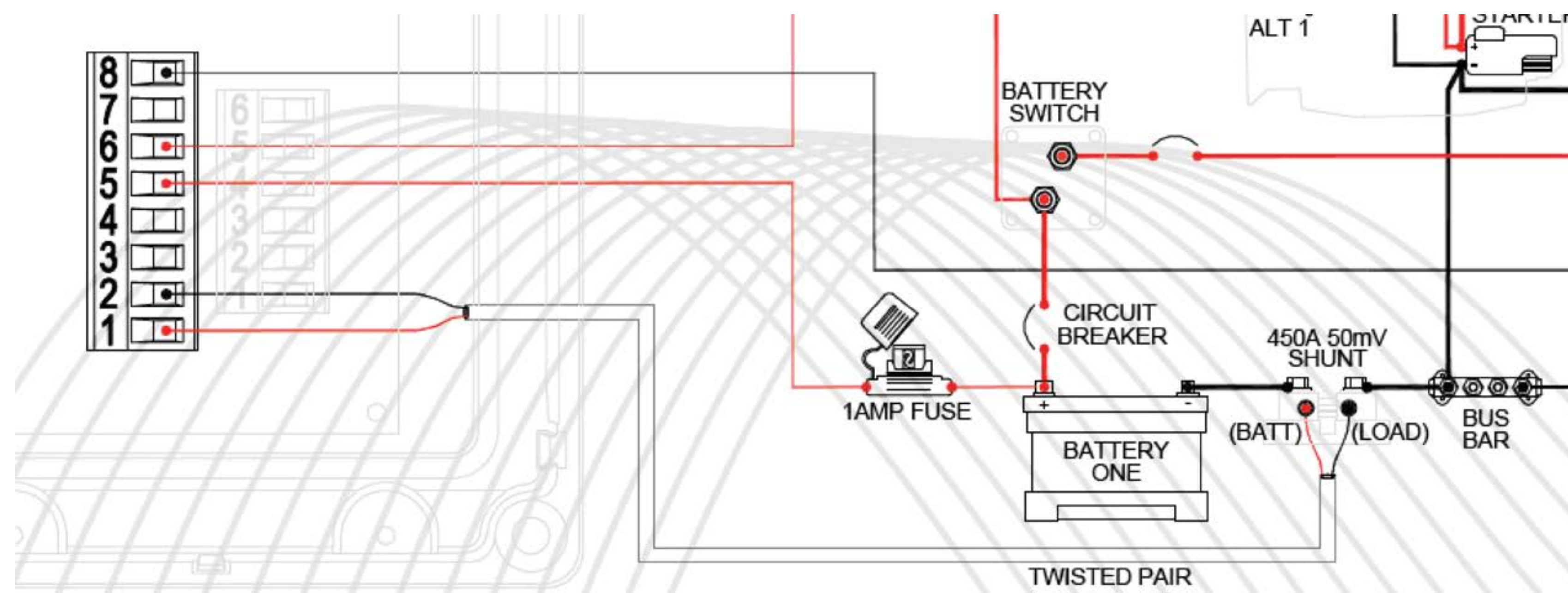
Ol#1 Dip-Switch : 10000001 24Vsystem

Ch 1	VIP CABIN HEAD	20 A	MAX 20A	Ch1
Ch 2	VIP CABIN HEAD	20 A	MAX 20A	Ch2
Ch 3	PORT GUEST CABIN HEAD	20 A	MAX 20A	Ch3
Ch 4	PORT GUEST CABIN HEAD	20 A	MAX 20A	Ch4
Ch 5	MASTER STATEROOM HEAD	20 A	MAX 20A	Ch5
Ch 6	MASTER STATEROOM HEAD	20 A	MAX 20A	Ch6



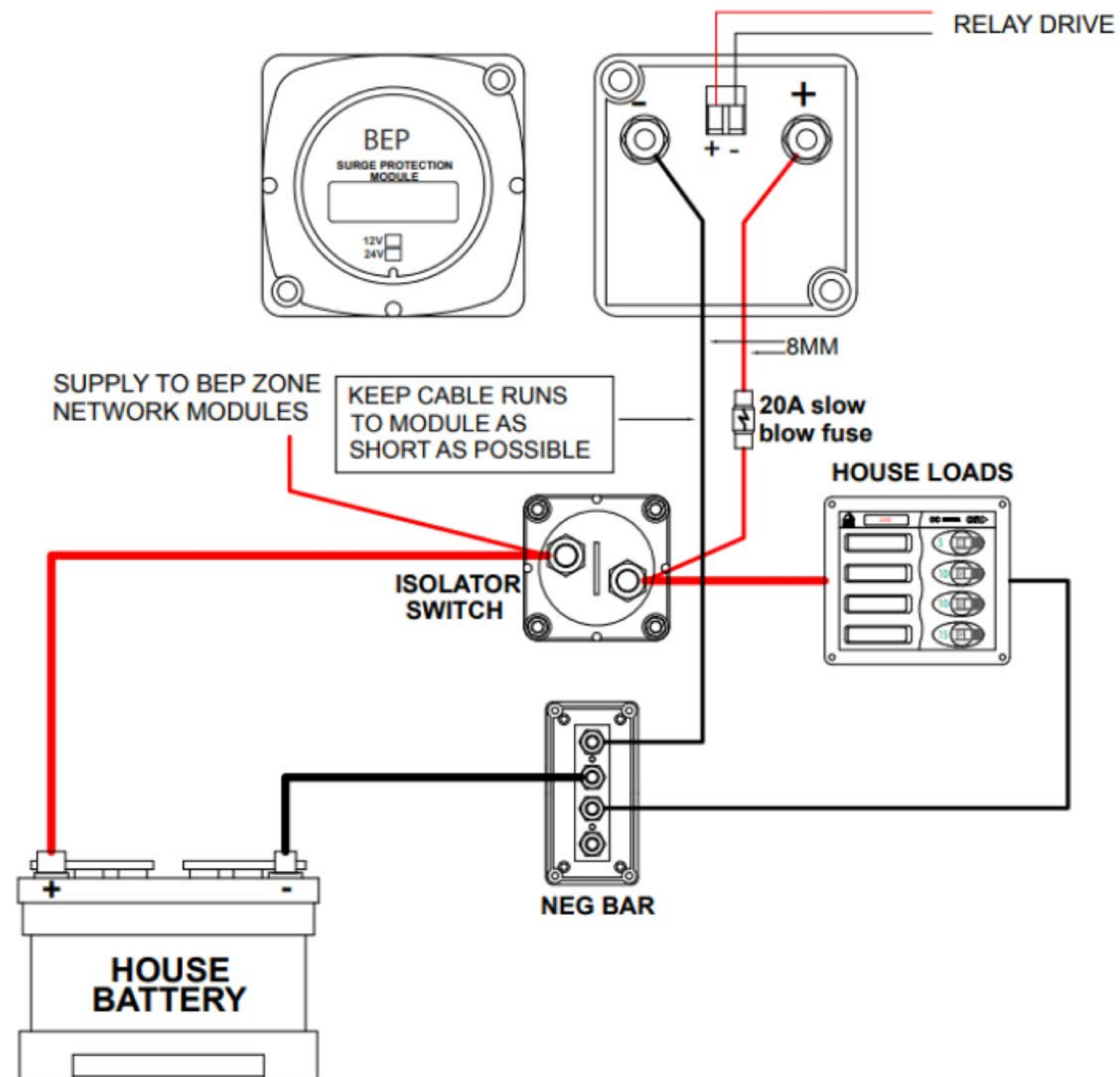
MI#1 Dip-Switch : 10001000

Shunt Wiring Reference

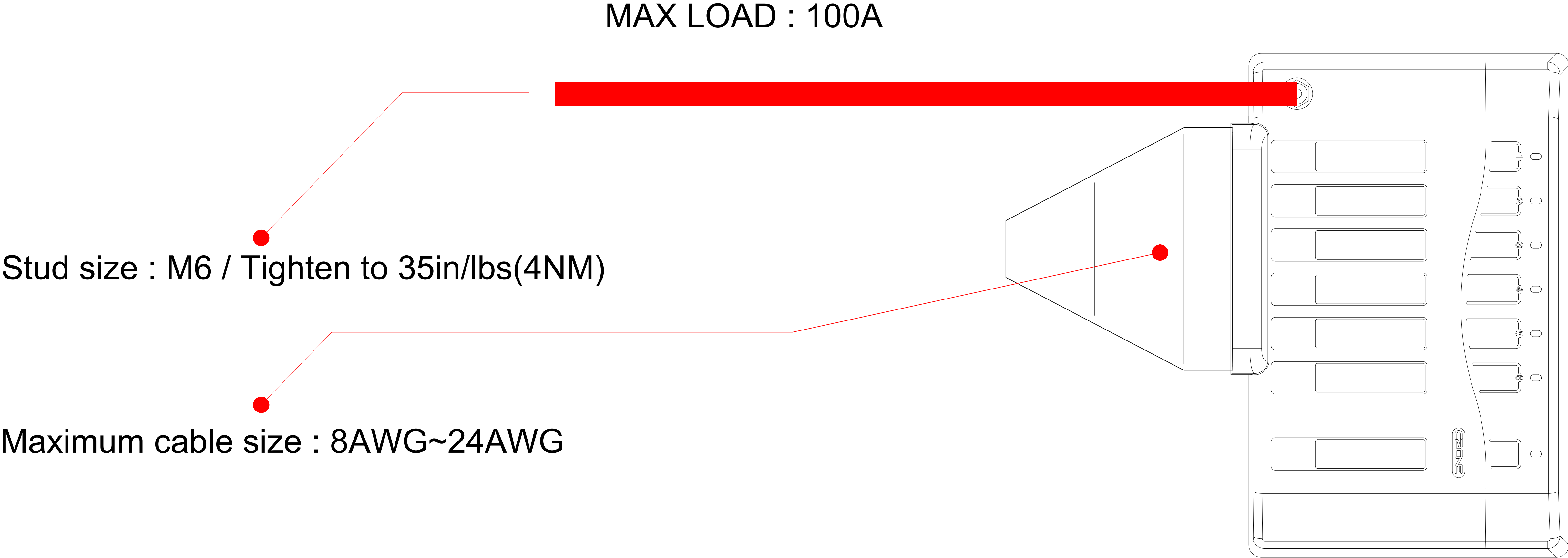


Location : -

Surge Protection WIRING DIAGRAM



CZone
Output Interface



CZone
Combine Output Interface

MAX LOAD : 150A

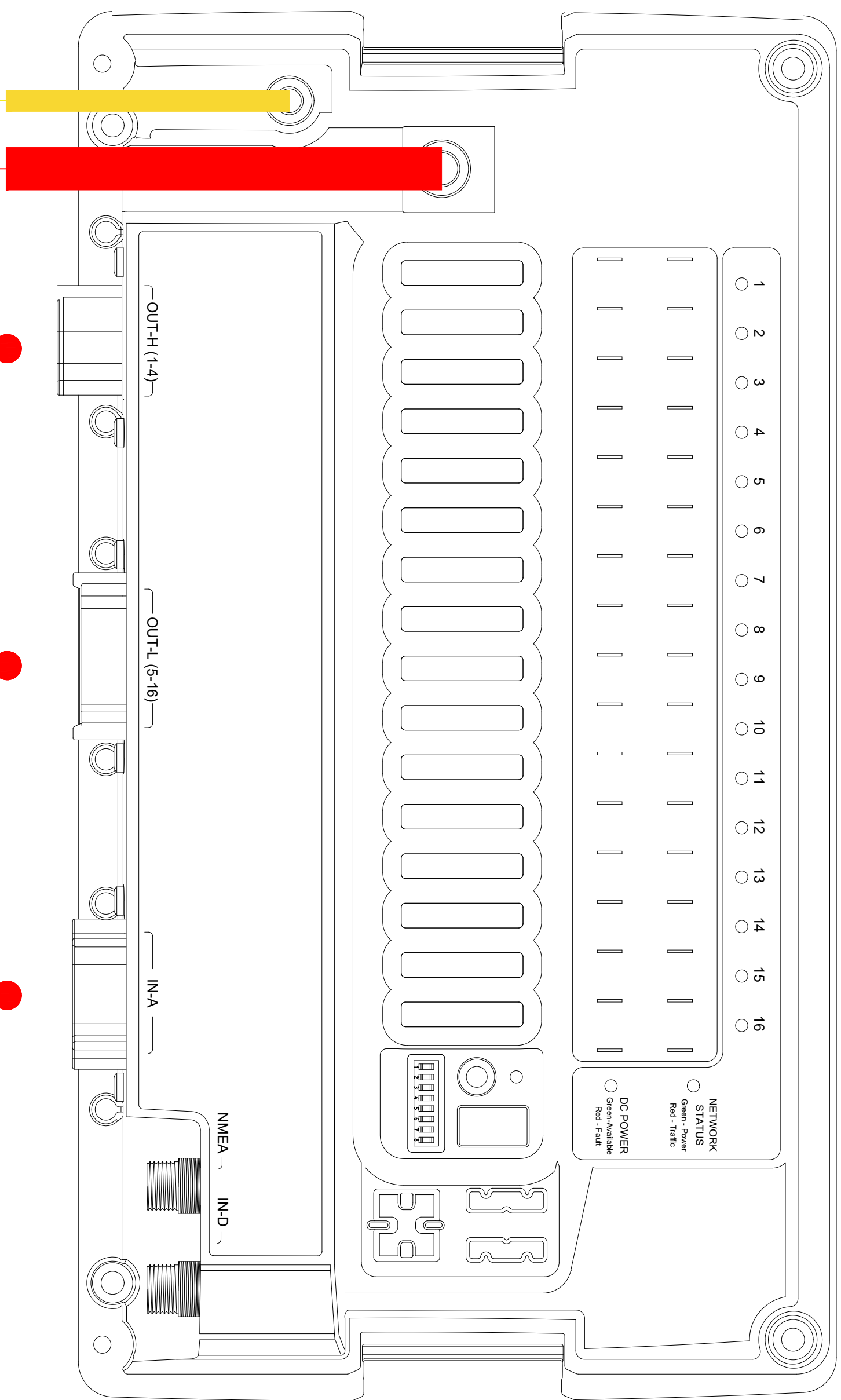
Recommended cable size : 2.5mm²(12AWG) / M6 negative stud.

Maximum cable size : 70mm²(2/0AWG) / M8 positive stud.

Maximum cable size : 10AWG~14AWG

Maximum cable size : 14AWG~20AWG

Maximum cable size : 14AWG~20AWG



日用電瓶-2
HOUSE BATTERY BANK-2
24VDC, 255AH*(2)

日用電瓶-1
HOUSE BATTERY BANK-1
24VDC, 255AH*(2)

後機艙 艙底泵
AFT ENGINE ROOM
BILGE WATER PUMP

穩定翼油壓組
SIDEPOWER
STABILIZER HYD. UNIT

冷氣海水泵
HVAC S/W PUMP

冷氣循環泵
HVAC C/W PUMP

化糞處理機組
SEWAGE TREATMENT
SYSTEM

化糞處理機藥劑桶
CHLORINE TANK

左俾啟動電瓶
PORT ENGINE
START BATTERY
24VDC, 255AH*(2)

製水機組
WATER MAKER

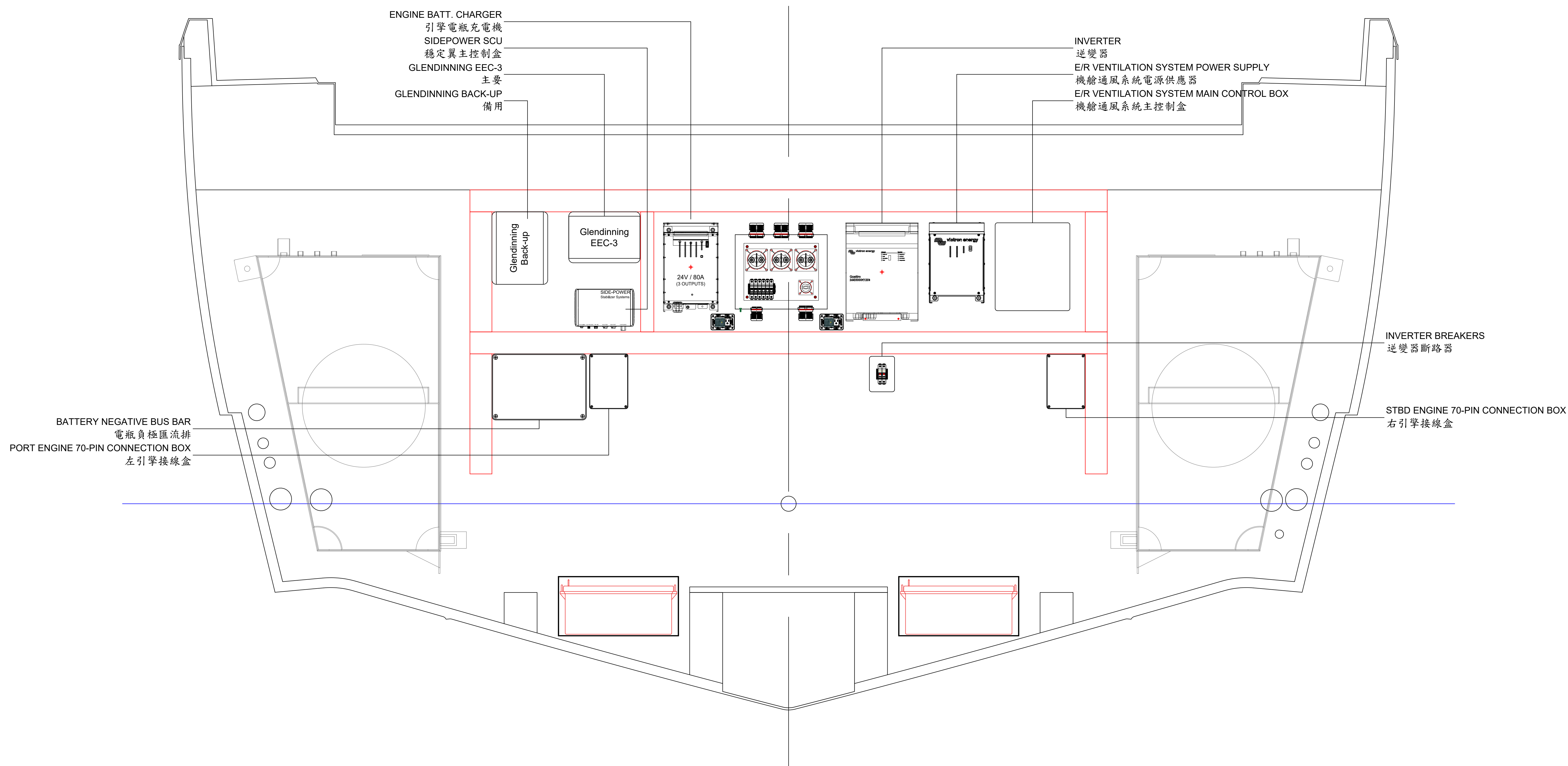
右俾啟動電瓶
STBD ENGINE
START BATTERY
24VDC, 255AH*(2)

前機艙 艙底泵
FWD ENGINE ROOM
BILGE WATER PUMP

空調壓縮機組
HVAC COMPRESSORS

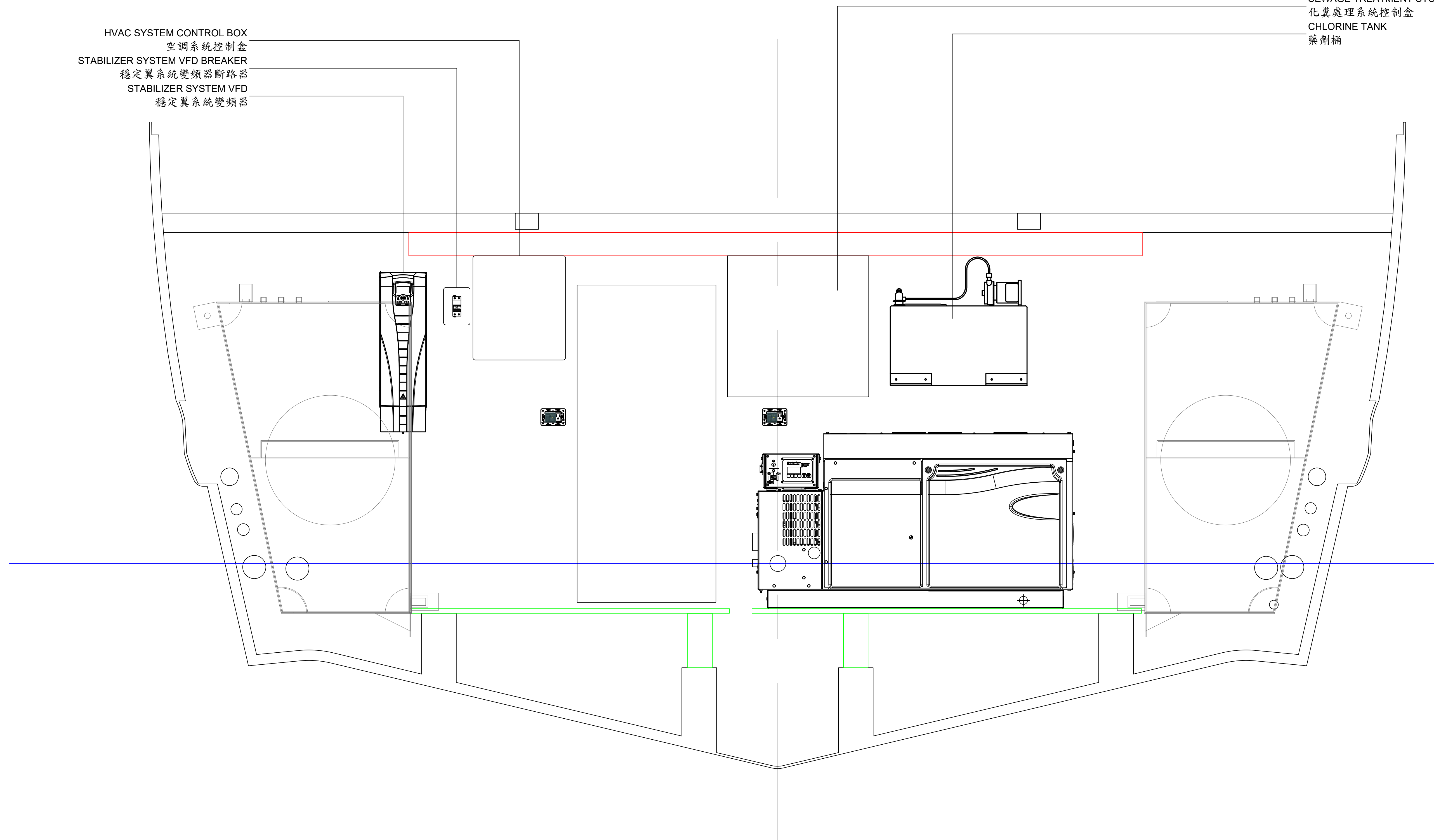
H

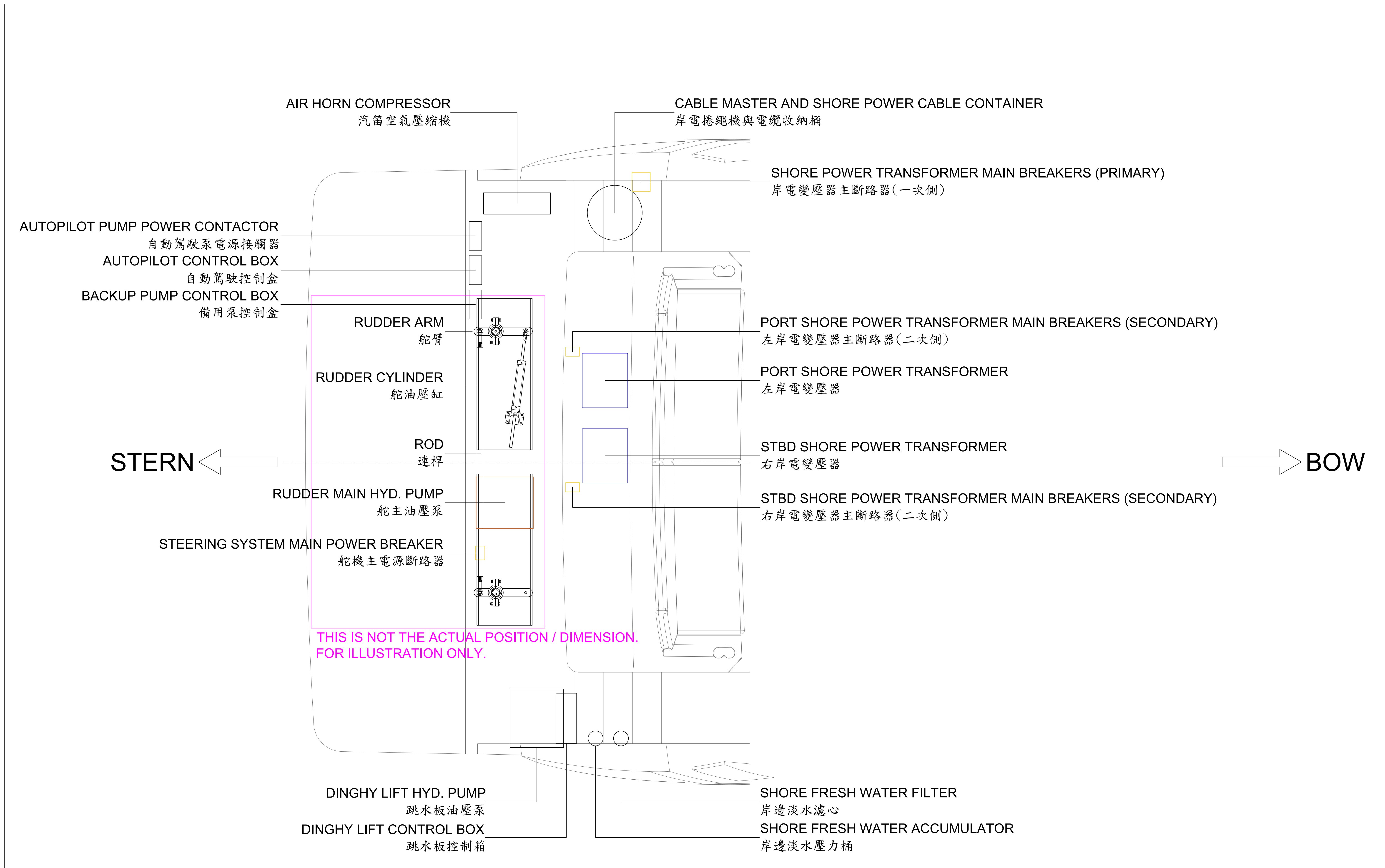
G

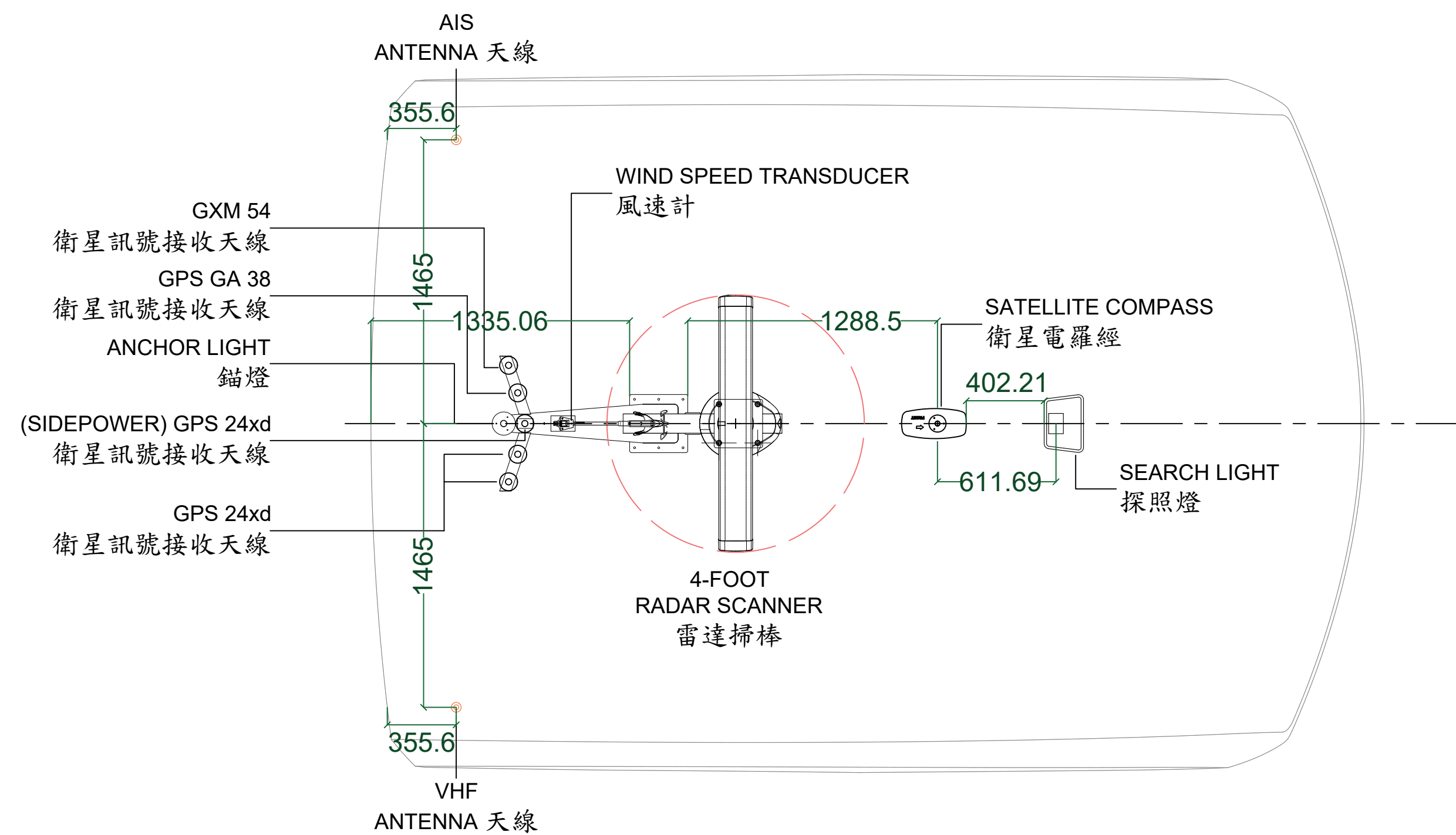
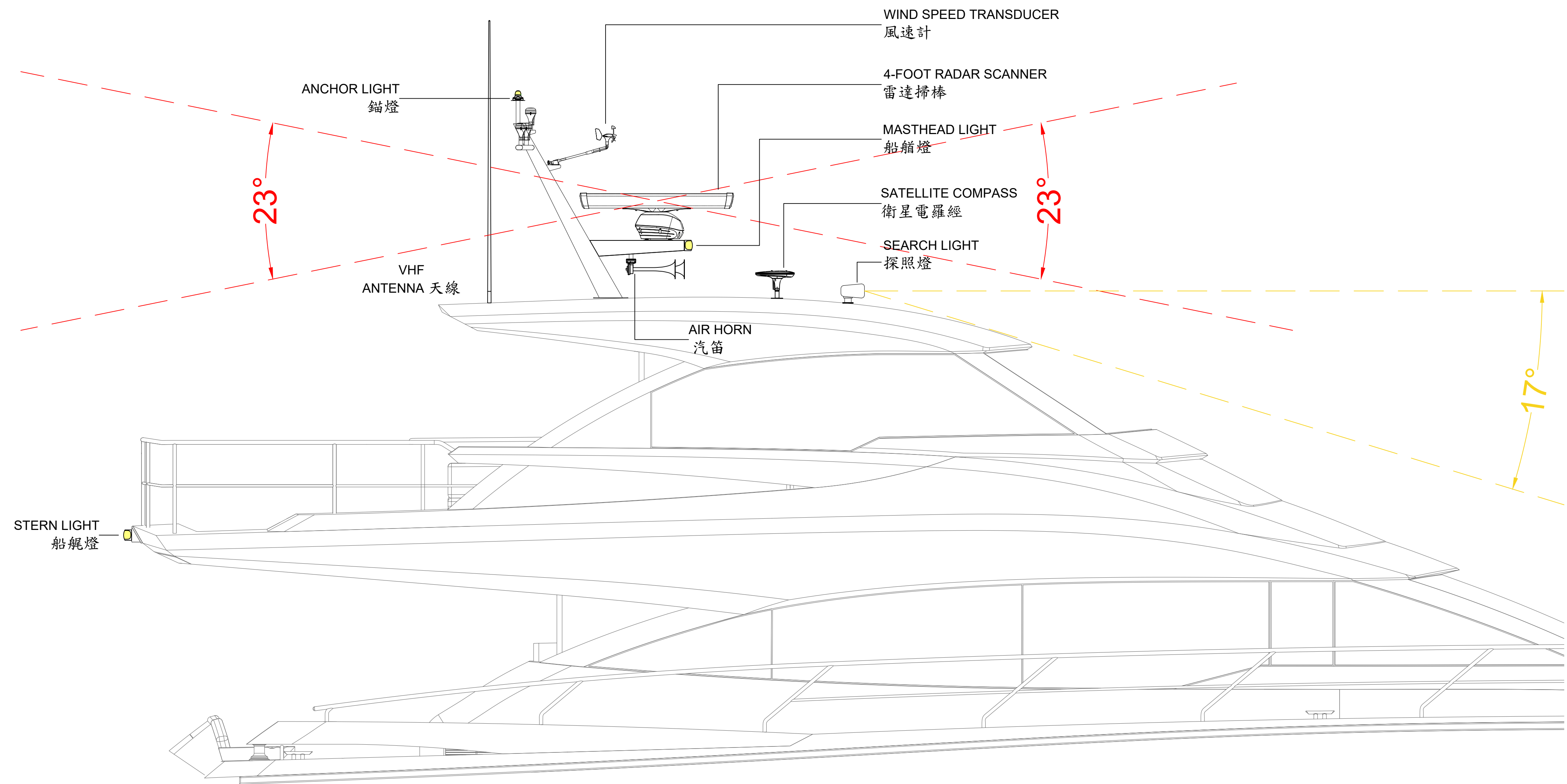


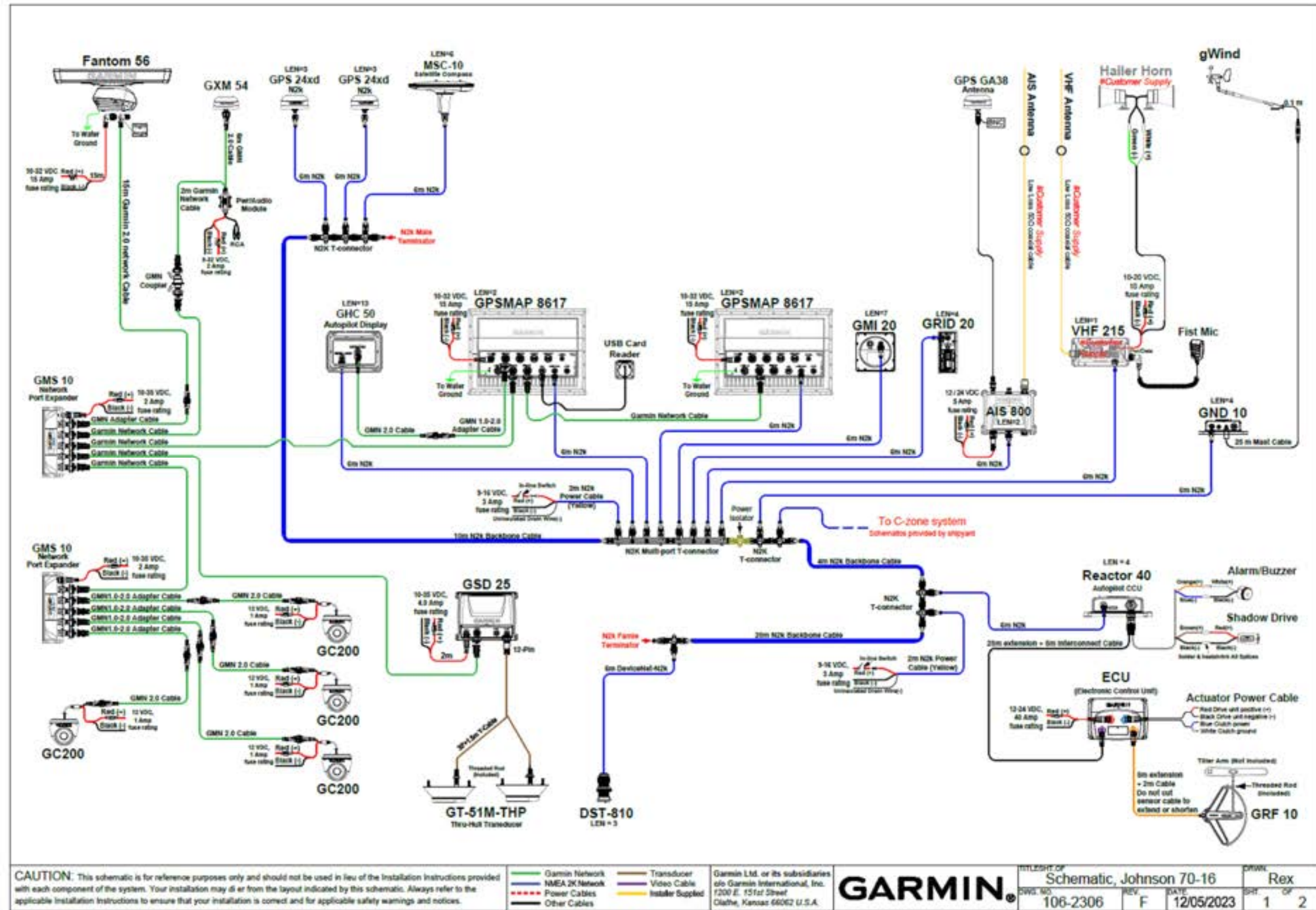
HVAC SYSTEM CONTROL BOX
空調系統控制盒
STABILIZER SYSTEM VFD BREAKER
穩定翼系統變頻器斷路器
STABILIZER SYSTEM VFD
穩定翼系統變頻器

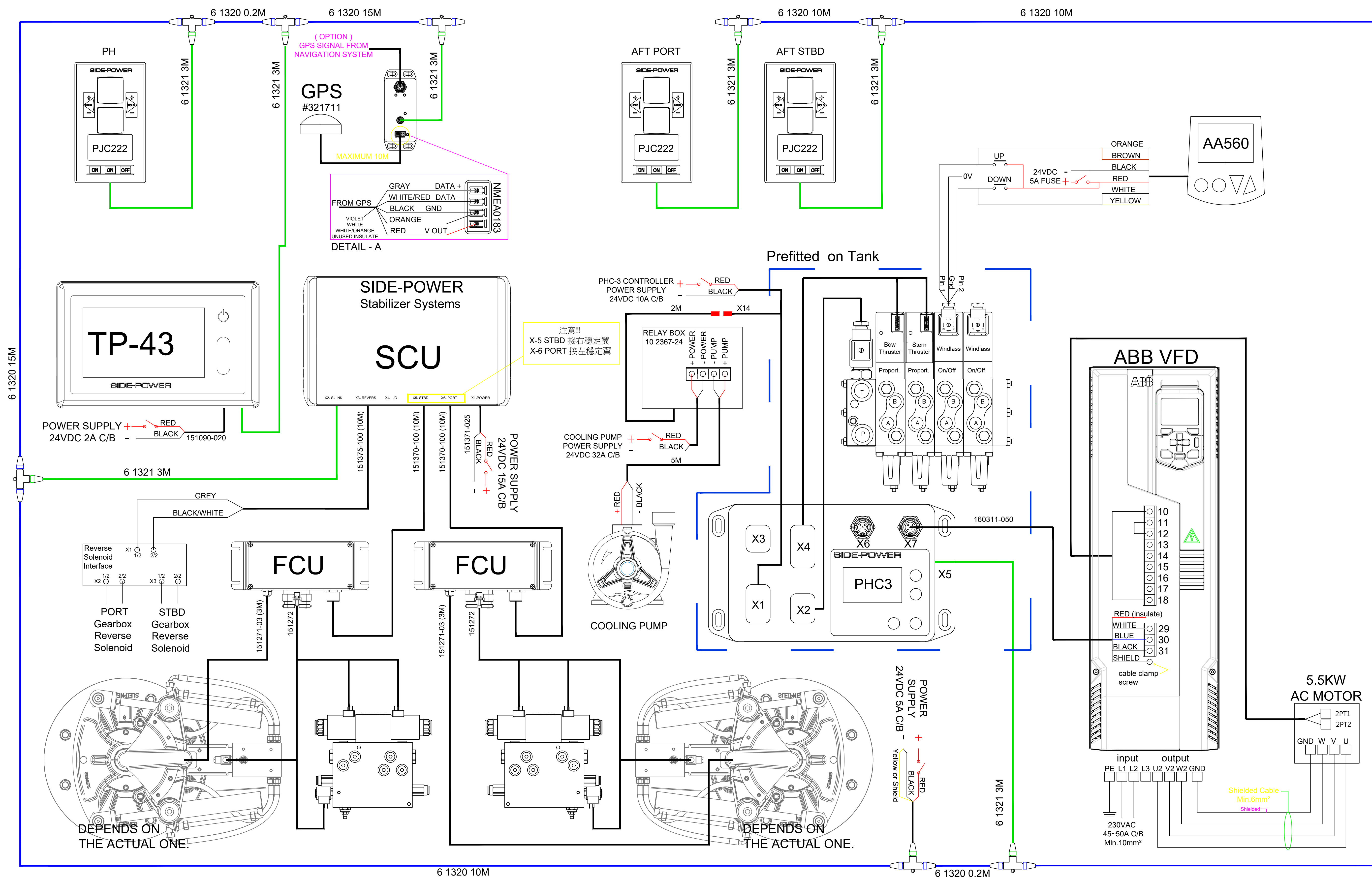
SEWAGE TREATMENT SYSTEM CONTROL BOX
化糞處理系統控制盒
CHLORINE TANK
藥劑桶









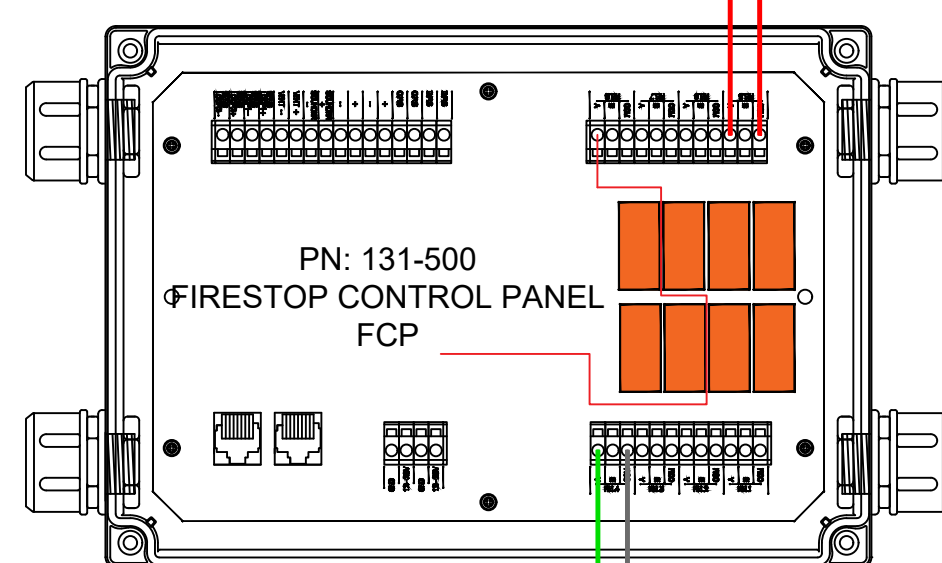


PILOT HOUSE
駕駛台

+24VDC

5A FUSE
保險絲

BATT.(-)
電池負電

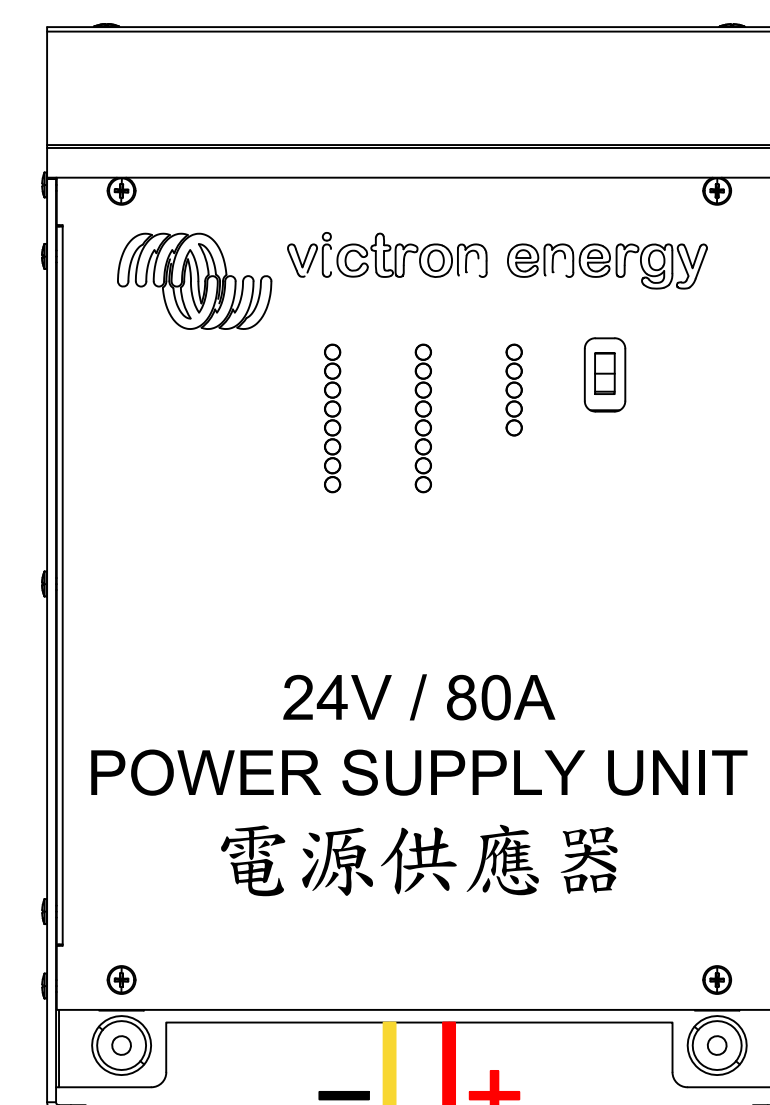
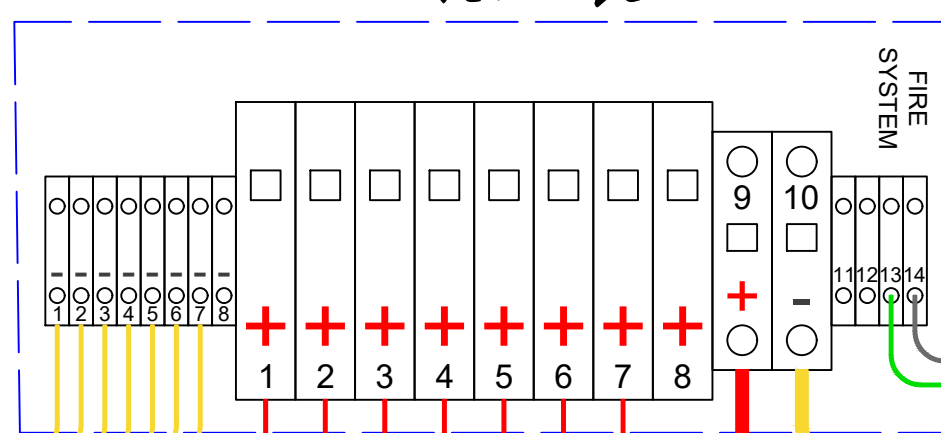


SEA-FIRE SHUTDOWN BOX
消防系統緊急關閉控制盒

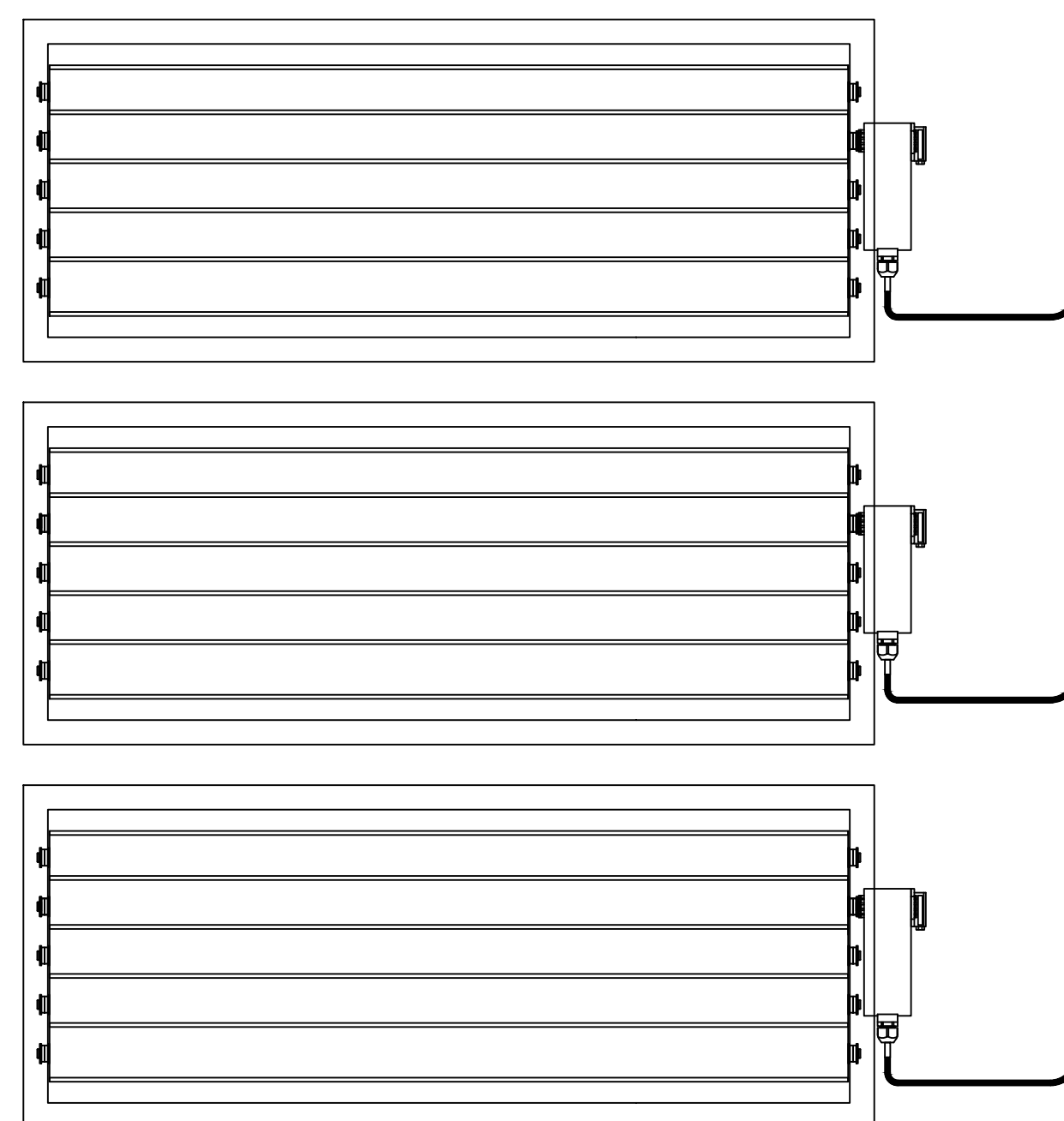
TERMINAL BLOCKS /
WAGO CONNECTOR
端子台或快速接頭

4 CONDUCTOR CABLE
四芯導線

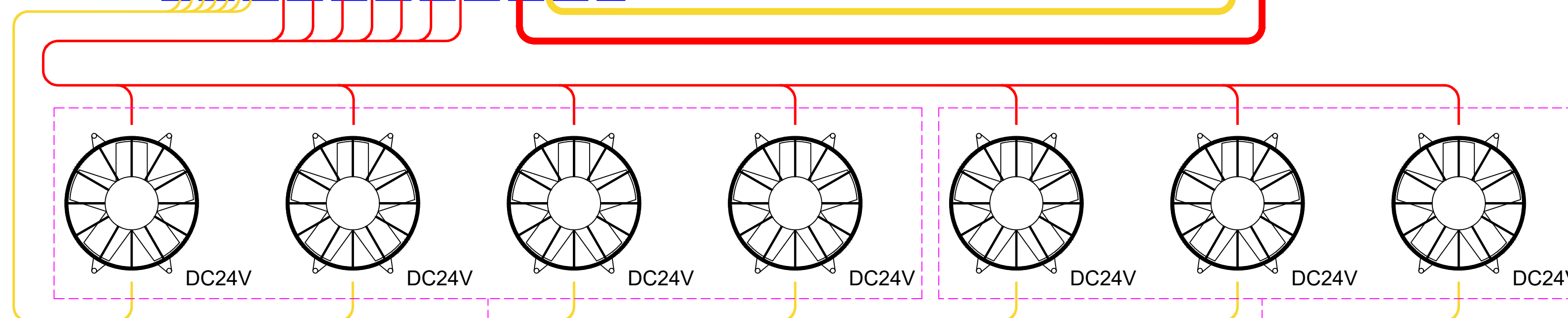
FACTORY ASSEMBLED
工廠組裝



ENGINE ROOM
機艙



DAMPER
阻風門



FAN
風扇

(PORT) INTAKE
(左)進風扇

(STBD) EXHAUST
(右)排風扇

70-16影音系統線路配置



70-16影音配置說明：

1. 沙龍區聲音可與後甲板Fusion主機連結，搭配KEF環頂喇叭及重低音，可選擇分區或同時聆聽
2. 主人房配置DENON環繞擴大機搭配英國KEF薄型環頂喇叭及重低音
3. 上駕駛及VIP艙配置Fusion主機，搭配英國KEF薄型環頂喇叭
4. 左右客艙、水手艙配置Fusion主機，搭配英國KEF薄型環頂喇叭



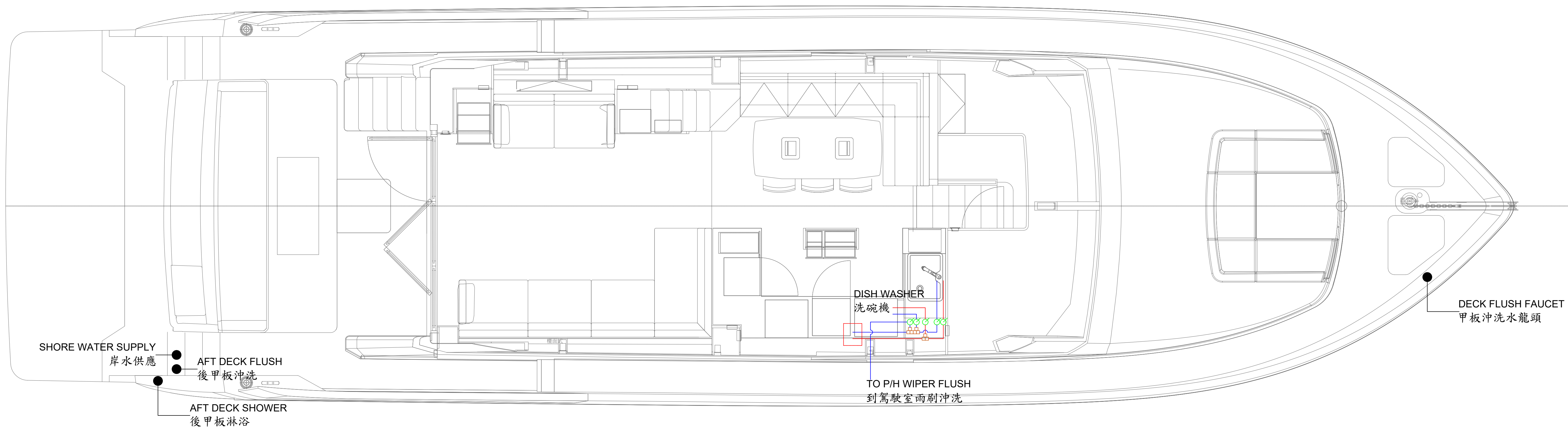
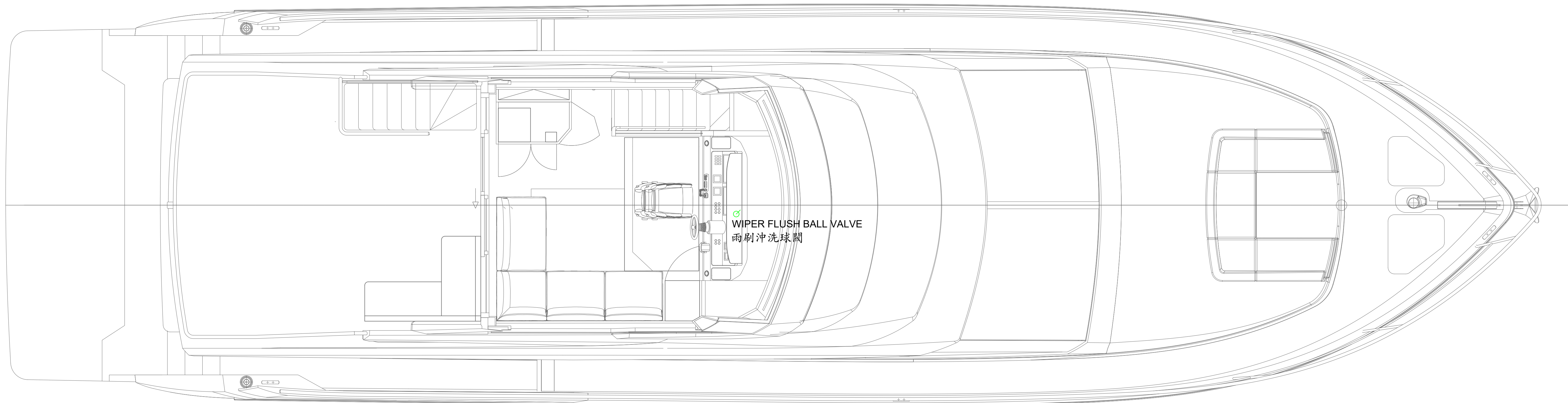
4. PLUMBING DRAWINGS FOR BOAT MAJOR SYSTEMS

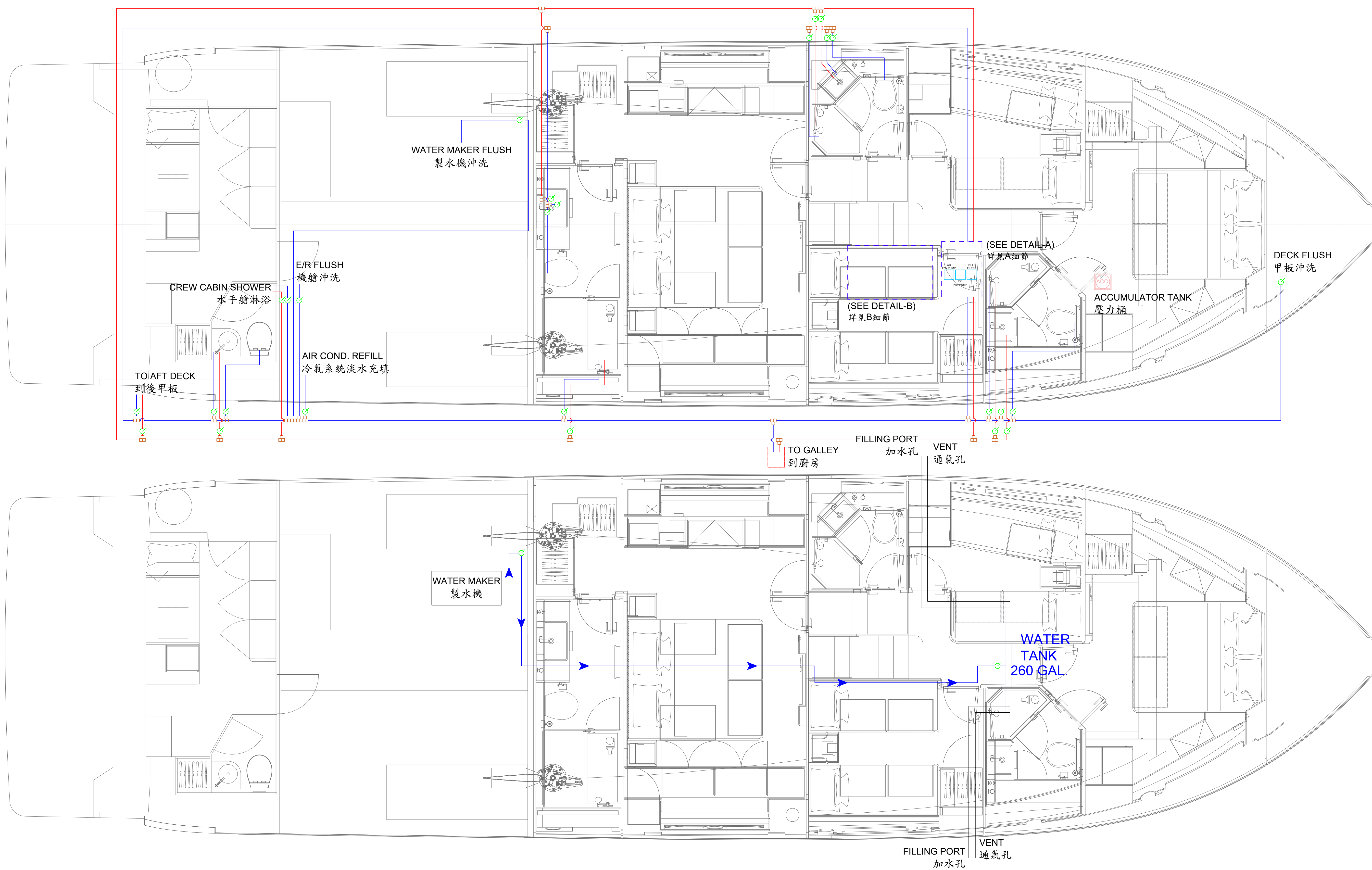
ALL THIS INFORMATION IS PRESENTED IN THE ATTACHED DRAWINGS, AS FOLLOWS:

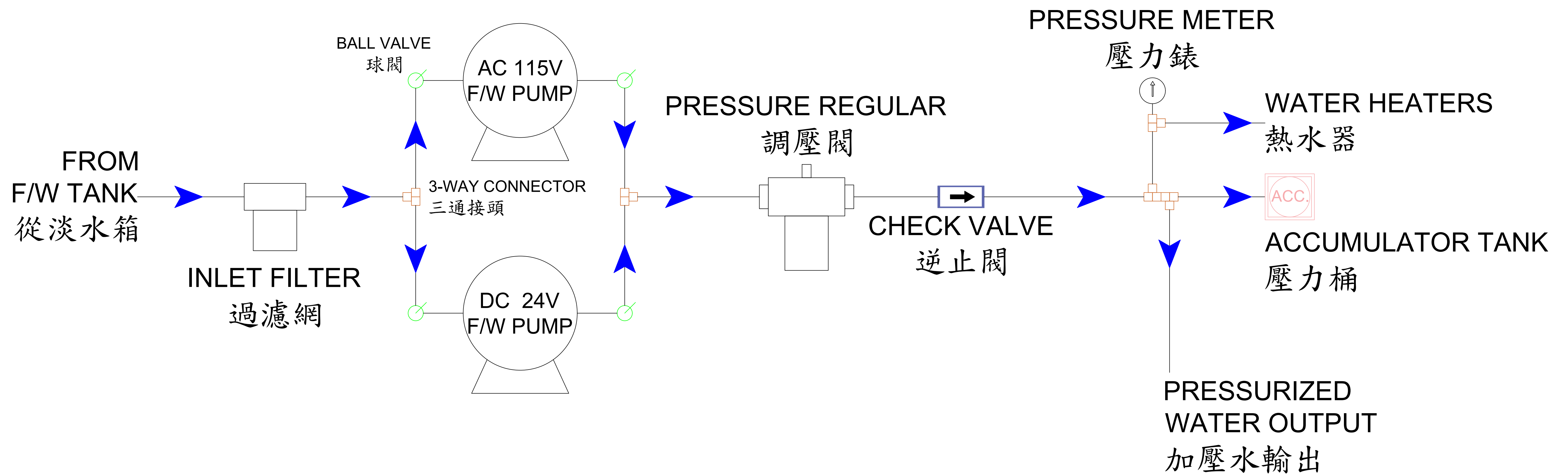
- P001 FRESH WATER SYSTEM (1/4)
- P002 FRESH WATER SYSTEM (2/4)
- P003 FRESH WATER SYSTEM - DETAIL A (3/4)
- P004 FRESH WATER SYSTEM - DETAIL B (4/4)
- P005 FRESH WATER SYSTEM - DETAIL B (4/4)
- P006 GREY WATER SYSTEM
- P007 BLACK WATER SYSTEM (1/2)
- P008 BLACK WATER SYSTEM (2/2)
- P009 HVAC SYSTEM
- P010 HVAC SYSTEM
- P011 FUEL LINE SYSTEM
- P012 FRESH WATER SYSTEM (2/4)
- P013 DECK DRAIN (1/2)
- P014 DECK DRAIN (2/2)
- P015 FIRE SYSTEM
- P016 STEERING SYSTEM
- P017 SEACOCK AND STRAINER LOCATION
- P018 ENGINE ROOM LAYOUT
- P019 LAZARETTE LAYOUT

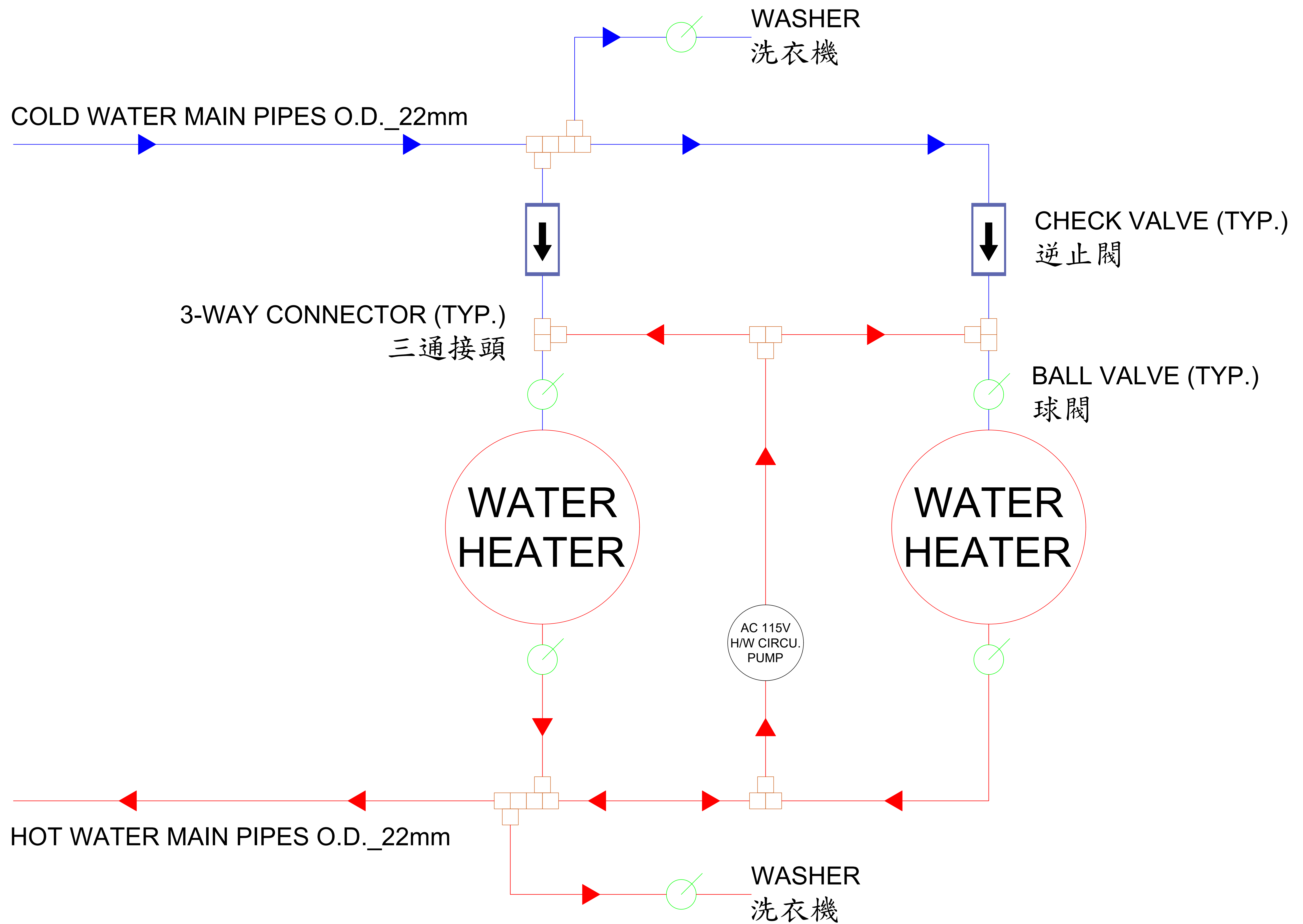
圖號索引表
INDEX OF DRAWING NO.

圖號 DRAWING NO.	標題 TITLE	圖號 DRAWING NO.	標題 TITLE
P001	淡水系統 FRESH WATER SYSTEM (1/4)	P011	燃油管路系統 FUEL LINE SYSTEM
P002	淡水系統 FRESH WATER SYSTEM (2/4)	P012	艙底抽水系統 FRESH WATER SYSTEM (2/4)
P003	淡水系統 FRESH WATER SYSTEM - DETAIL A (3/4)	P013	甲板排水 DECK DRAIN (1/2)
P004	淡水系統 FRESH WATER SYSTEM - DETAIL B (4/4)	P014	甲板系統 DECK DRAIN (2/2)
P005	淡水系統 FRESH WATER SYSTEM - DETAIL B (4/4)	P015	消防系統 FIRE SYSTEM
P006	灰水系統 GREY WATER SYSTEM	P016	舵機系統 STEERING SYSTEM
P007	黑水系統 BLACK WATER SYSTEM (1/2)	P017	考克與過濾器位置 SEACOCK AND STRAINER LOCATION
P008	黑水系統 BLACK WATER SYSTEM (2/2)	P018	機艙佈置圖 ENGINE ROOM LAYOUT
P009	暖通空調系統 HVAC SYSTEM	P019	舵艙佈置圖 LAZARETTE LAYOUT
P010	暖通空調系統 HVAC SYSTEM		

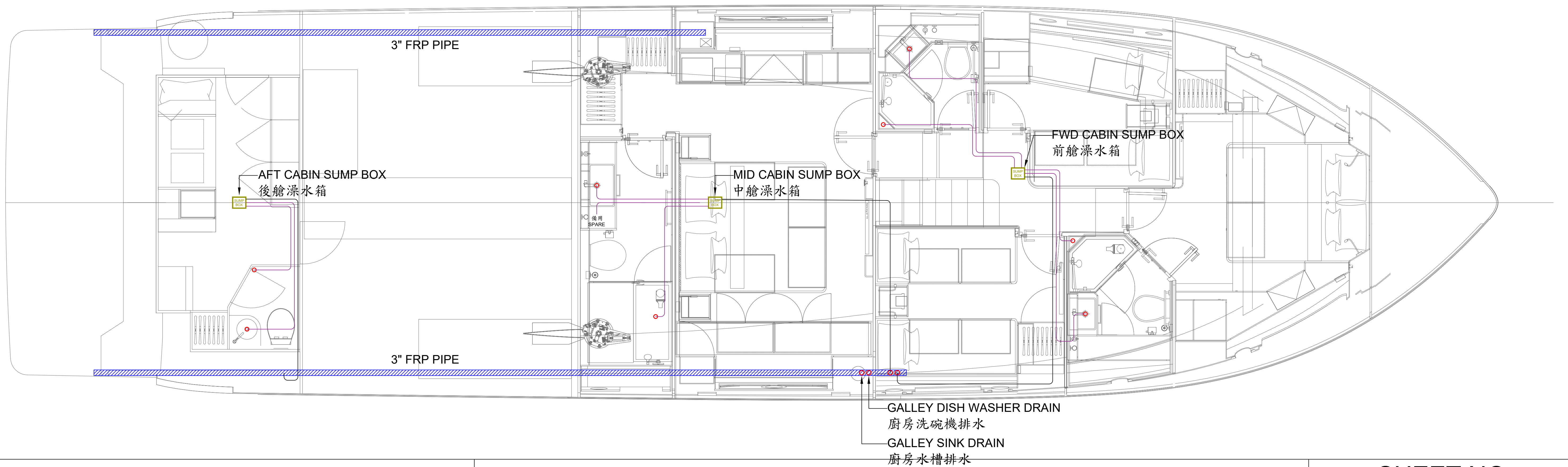
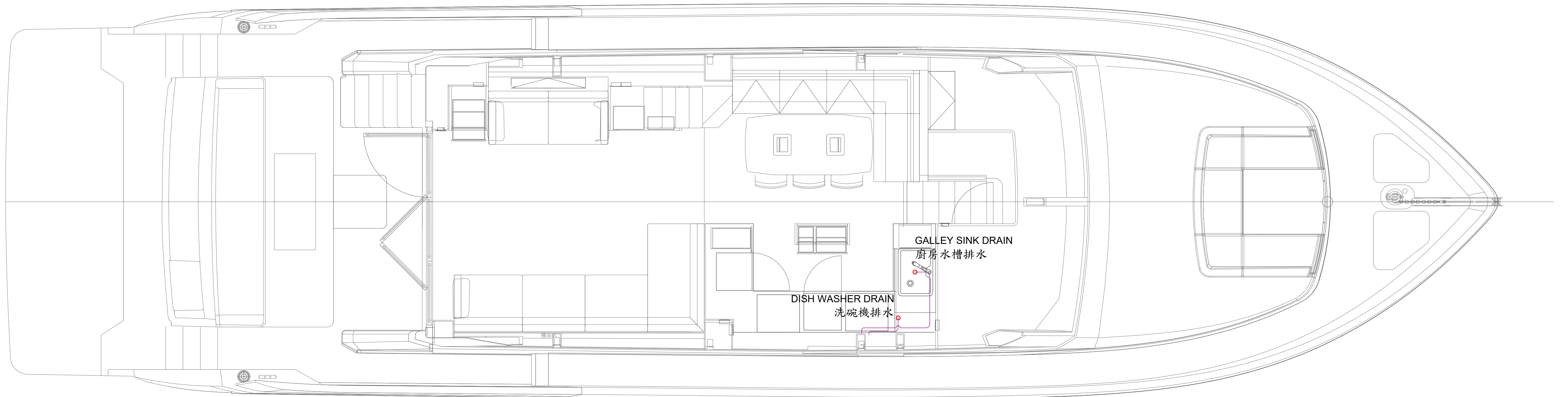


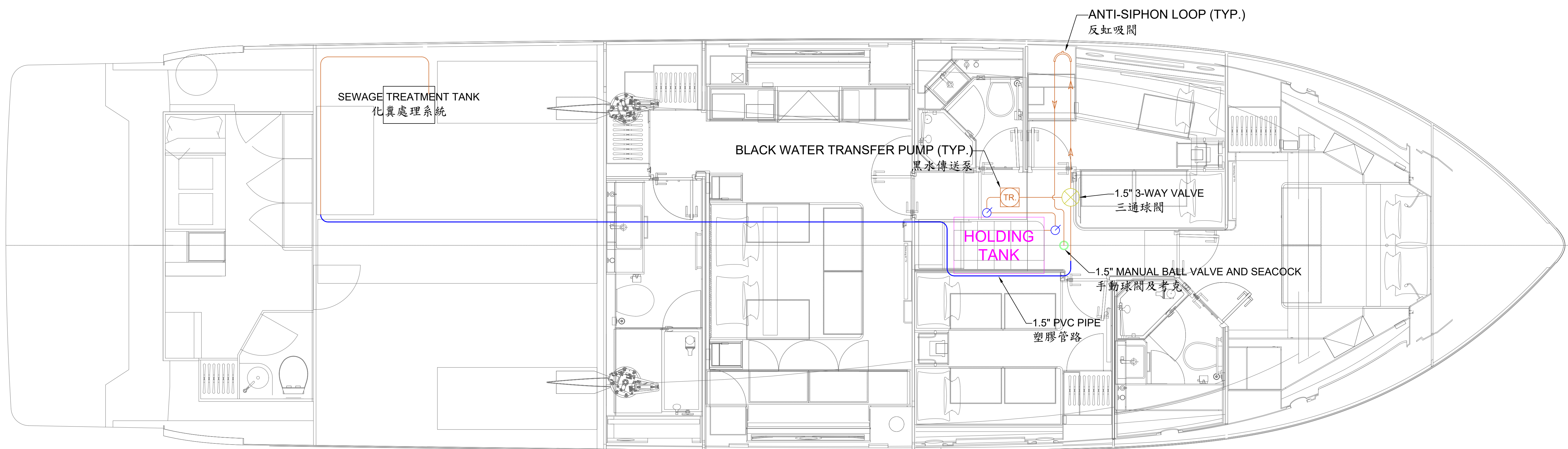
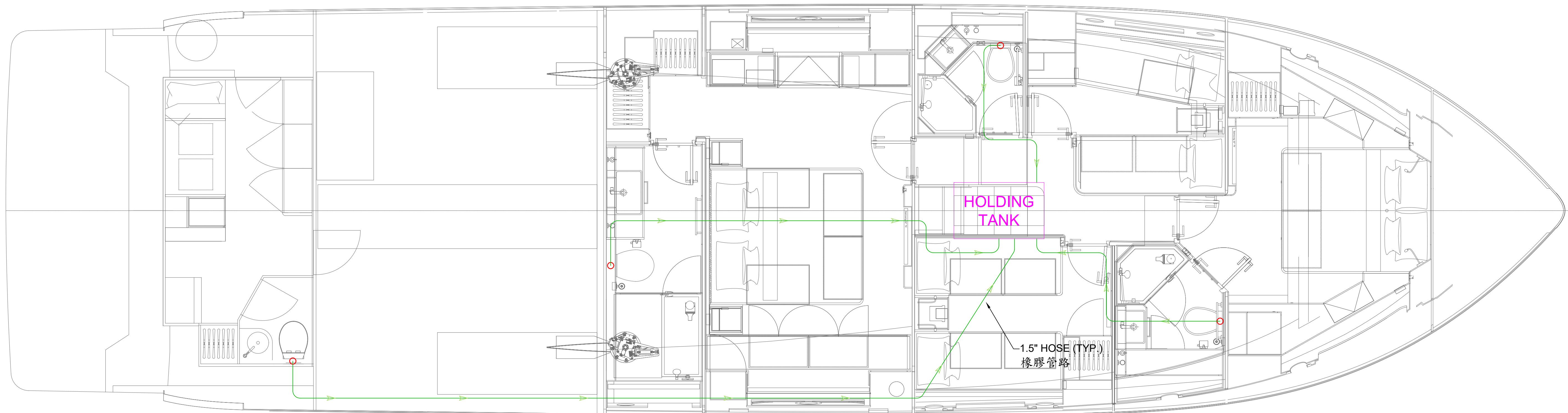


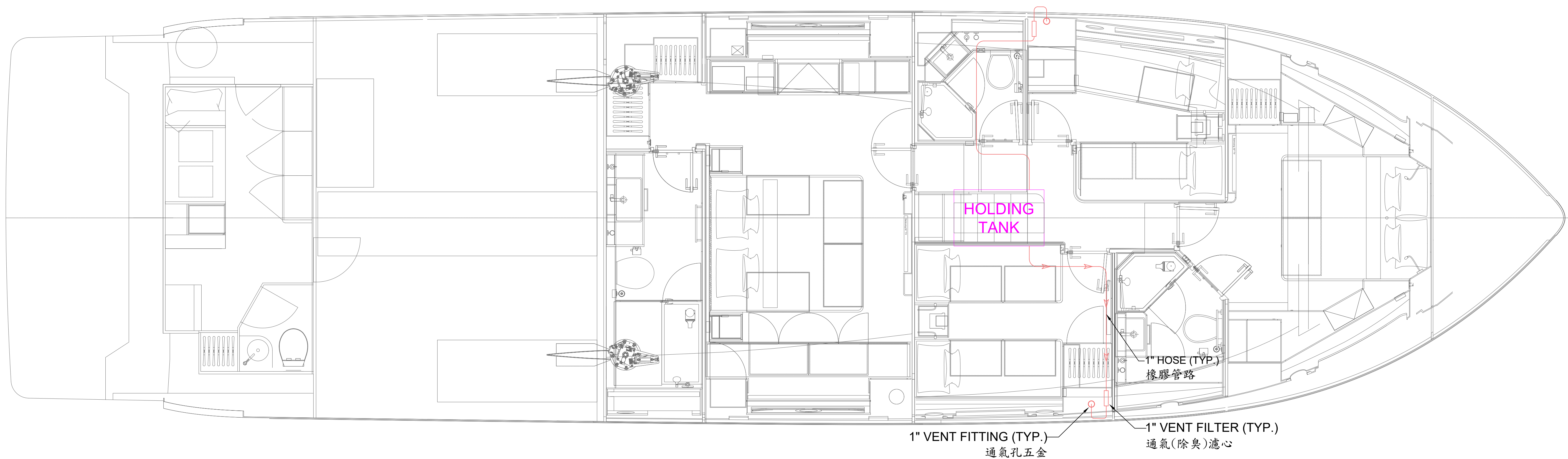
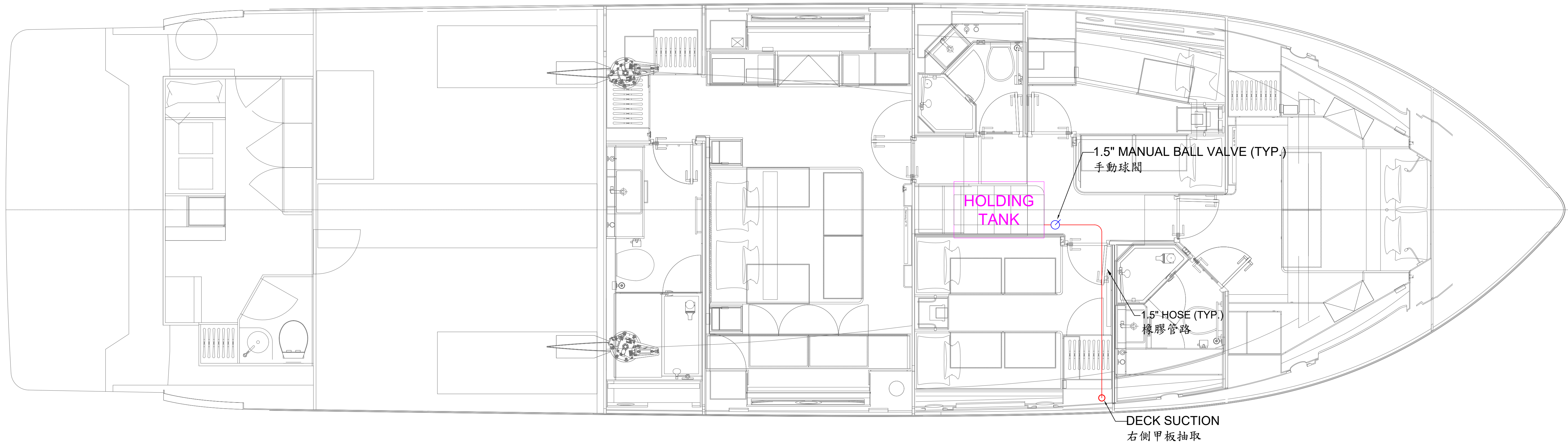


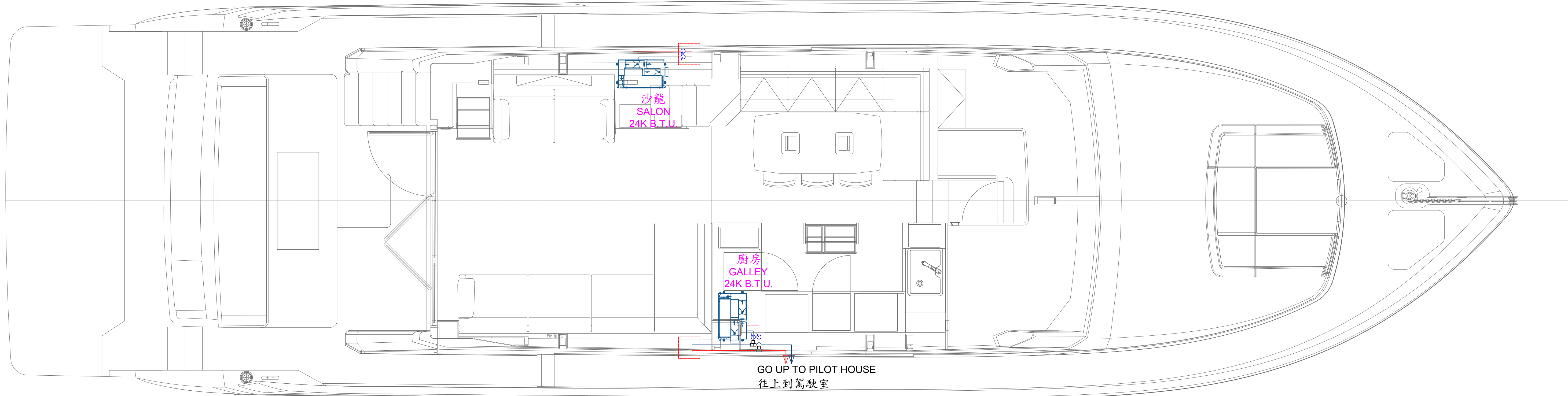
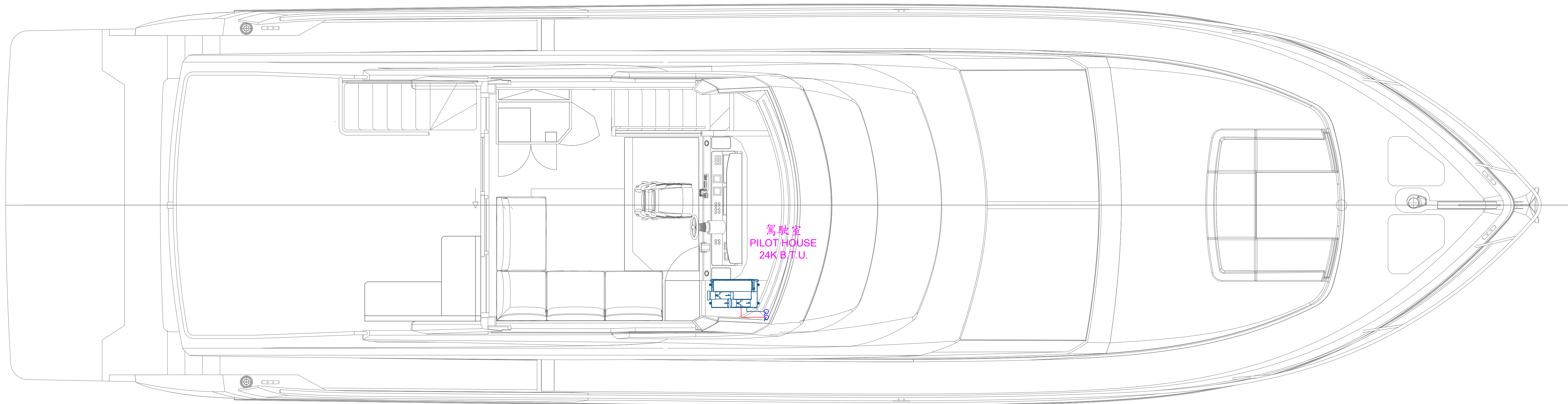


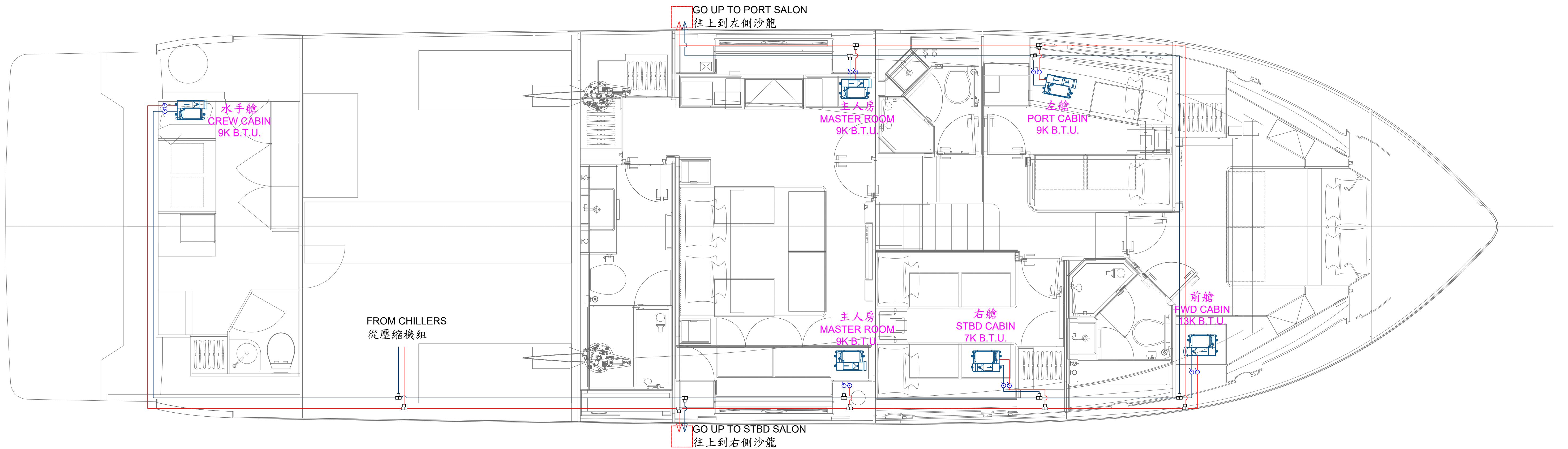
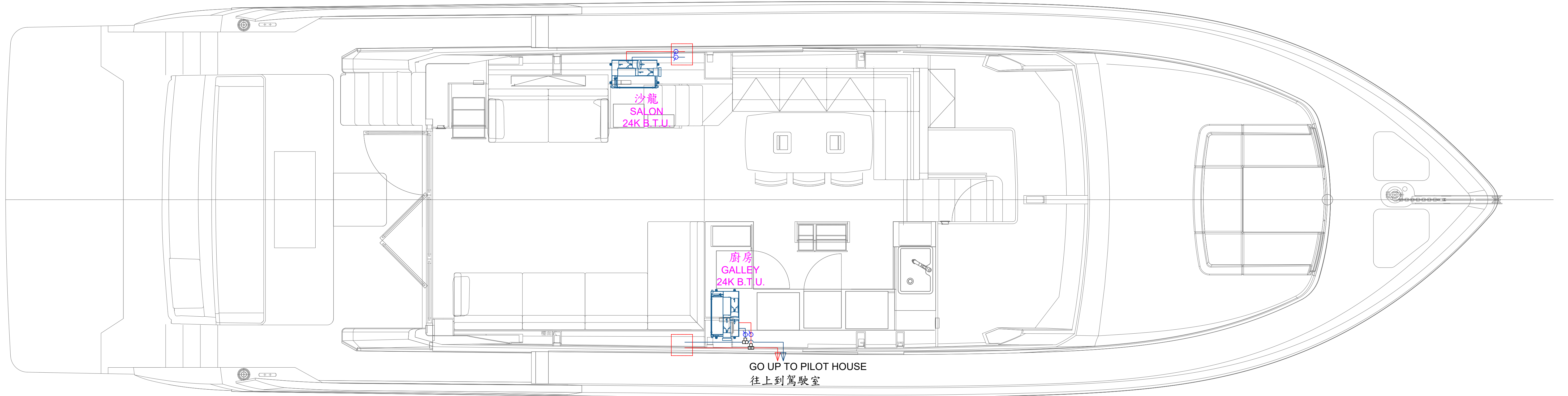


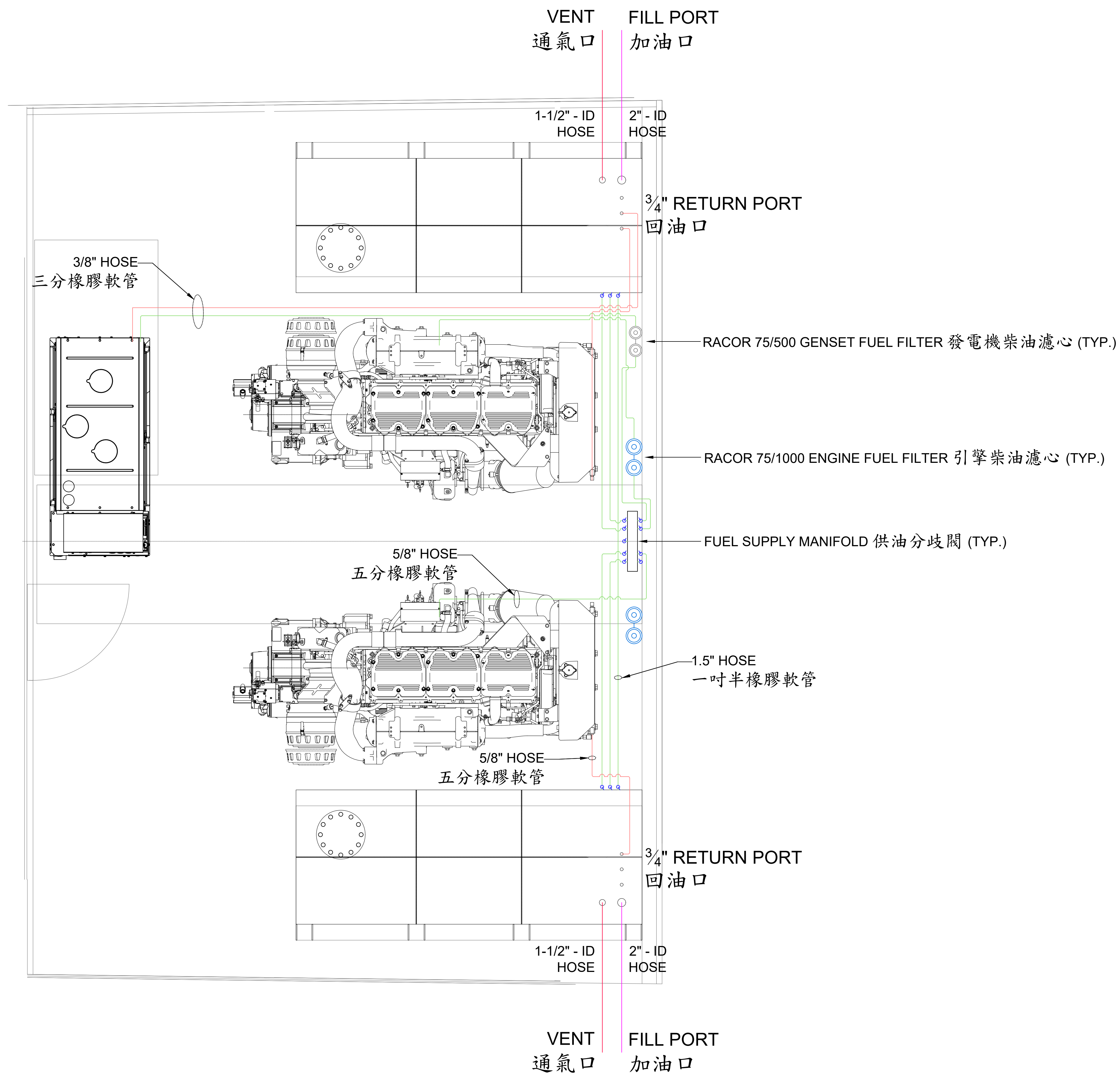


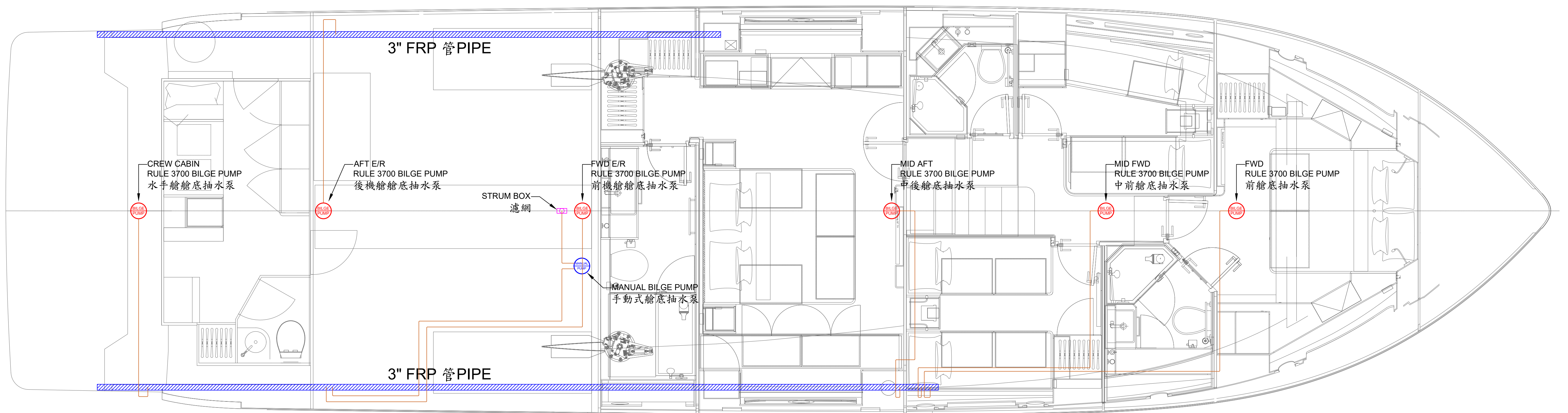


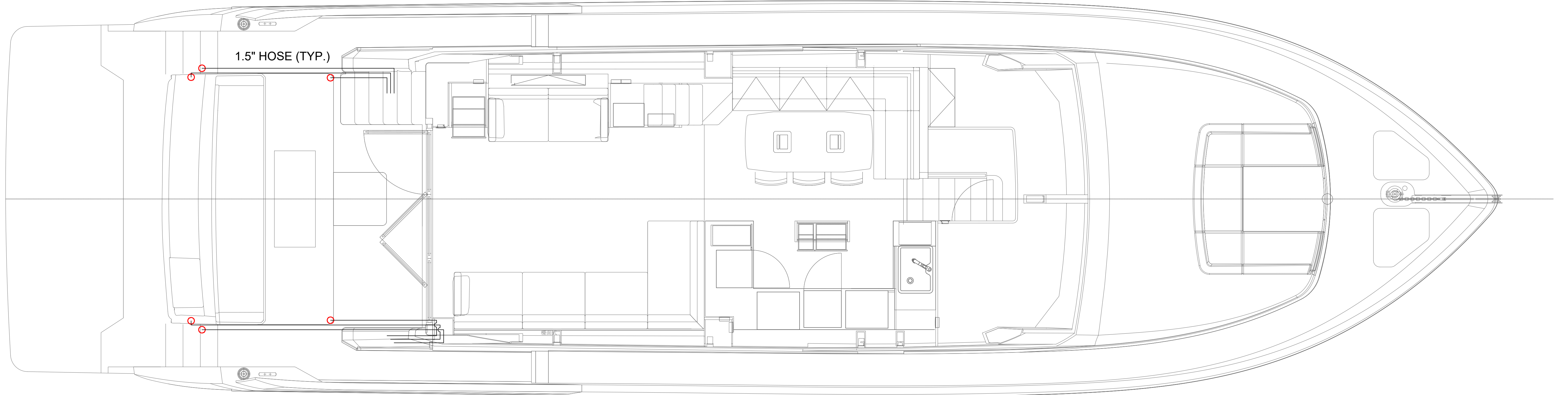
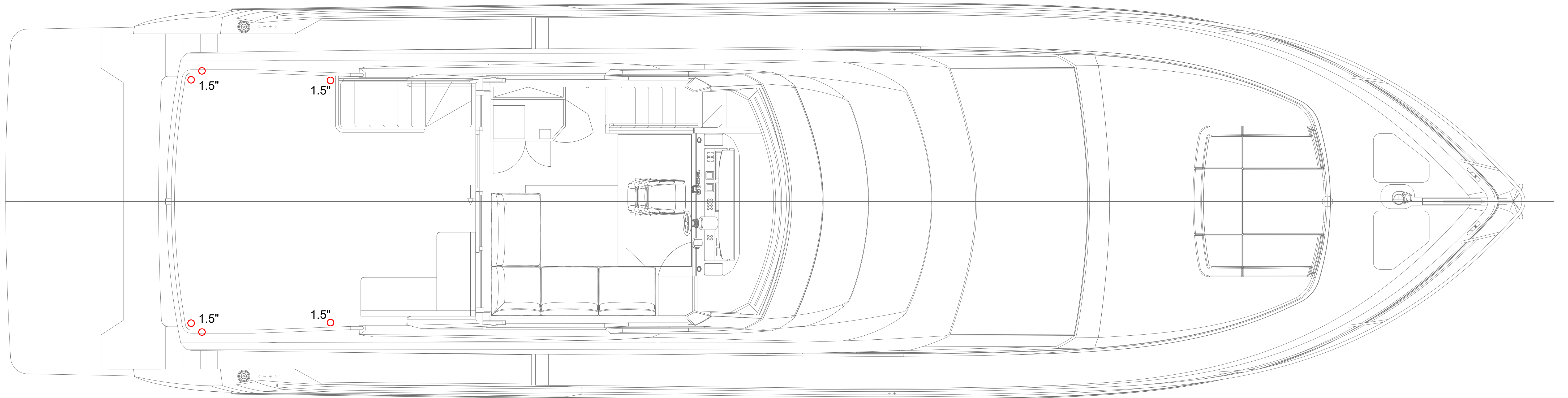


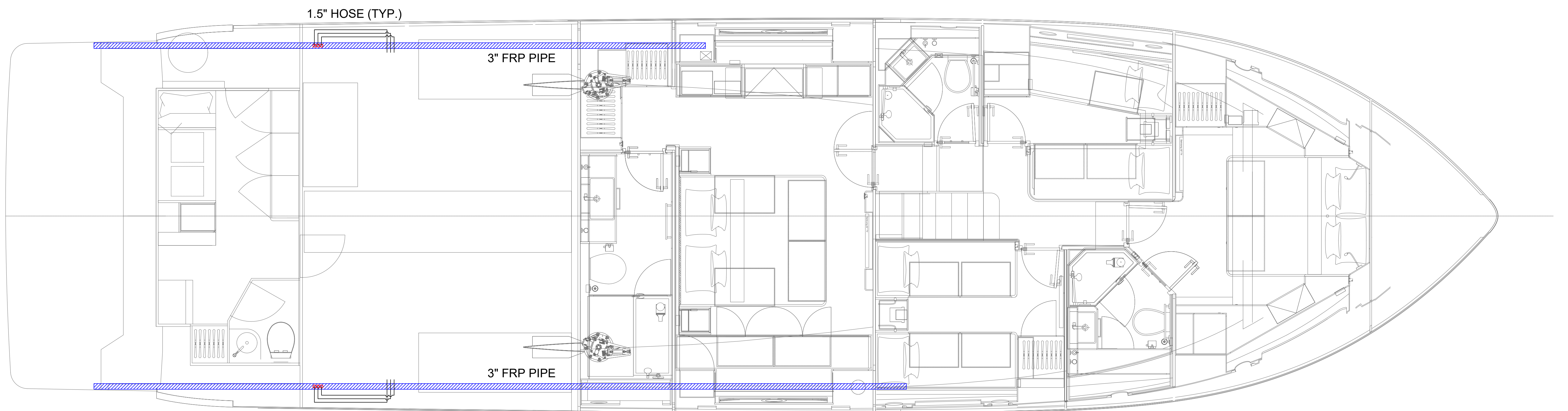
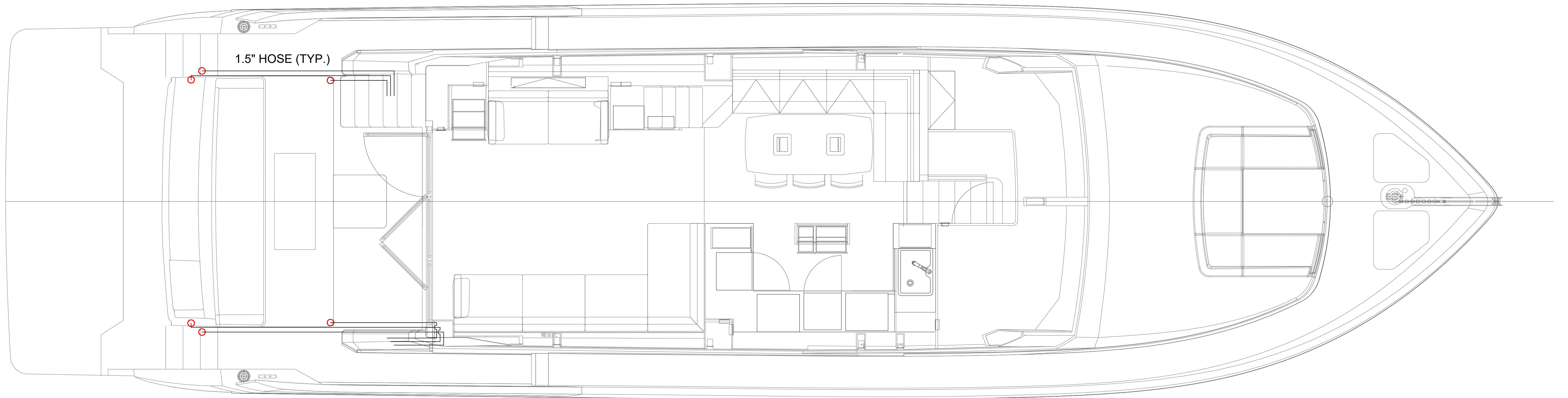


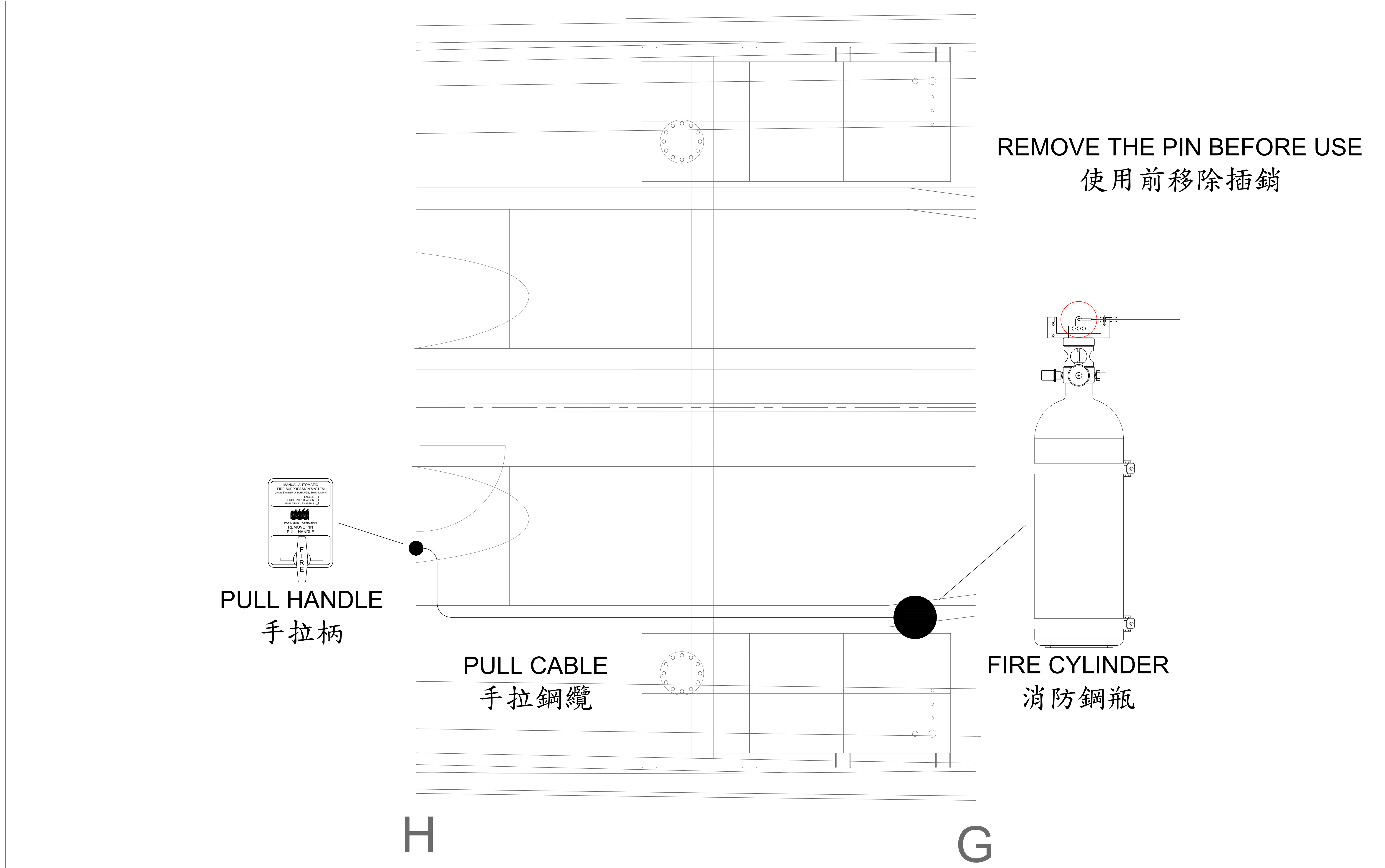


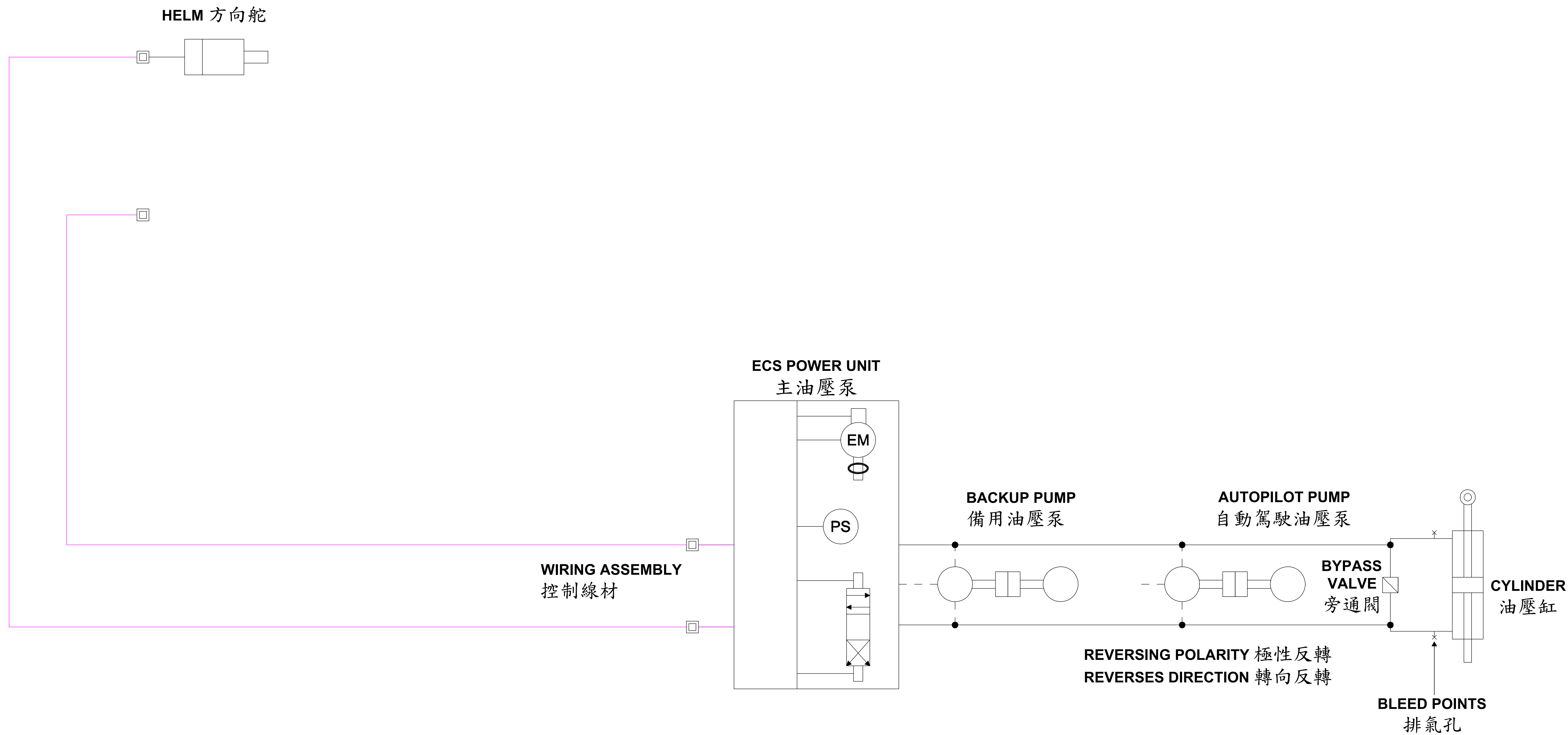


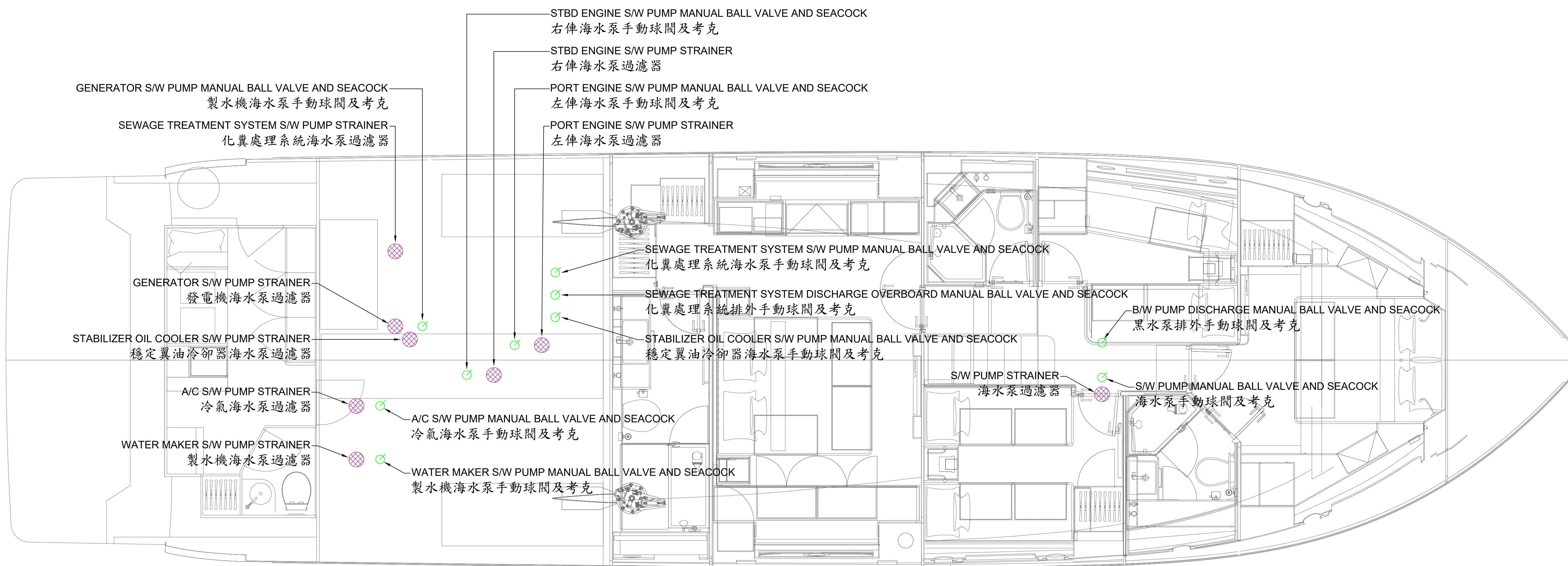


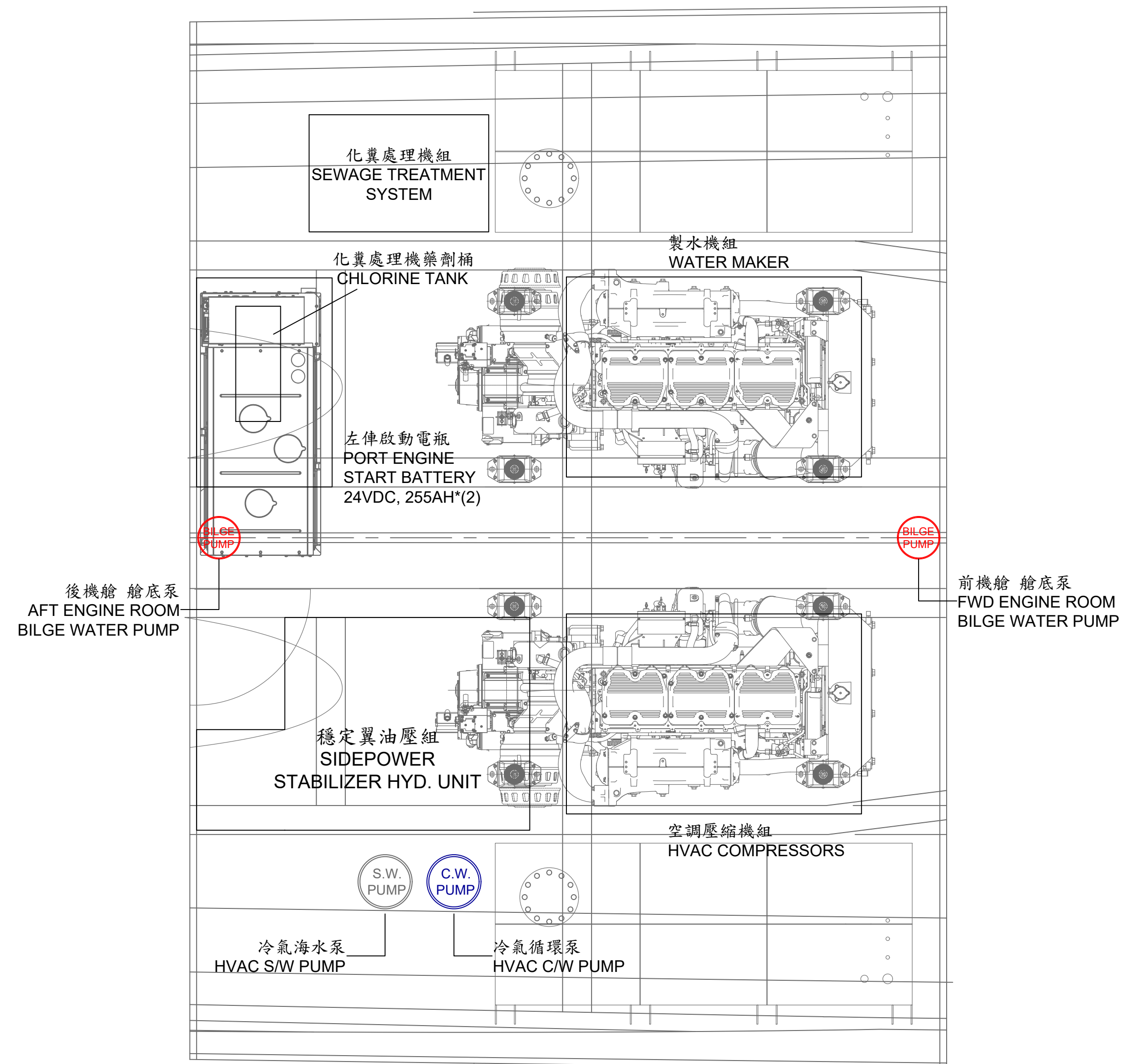






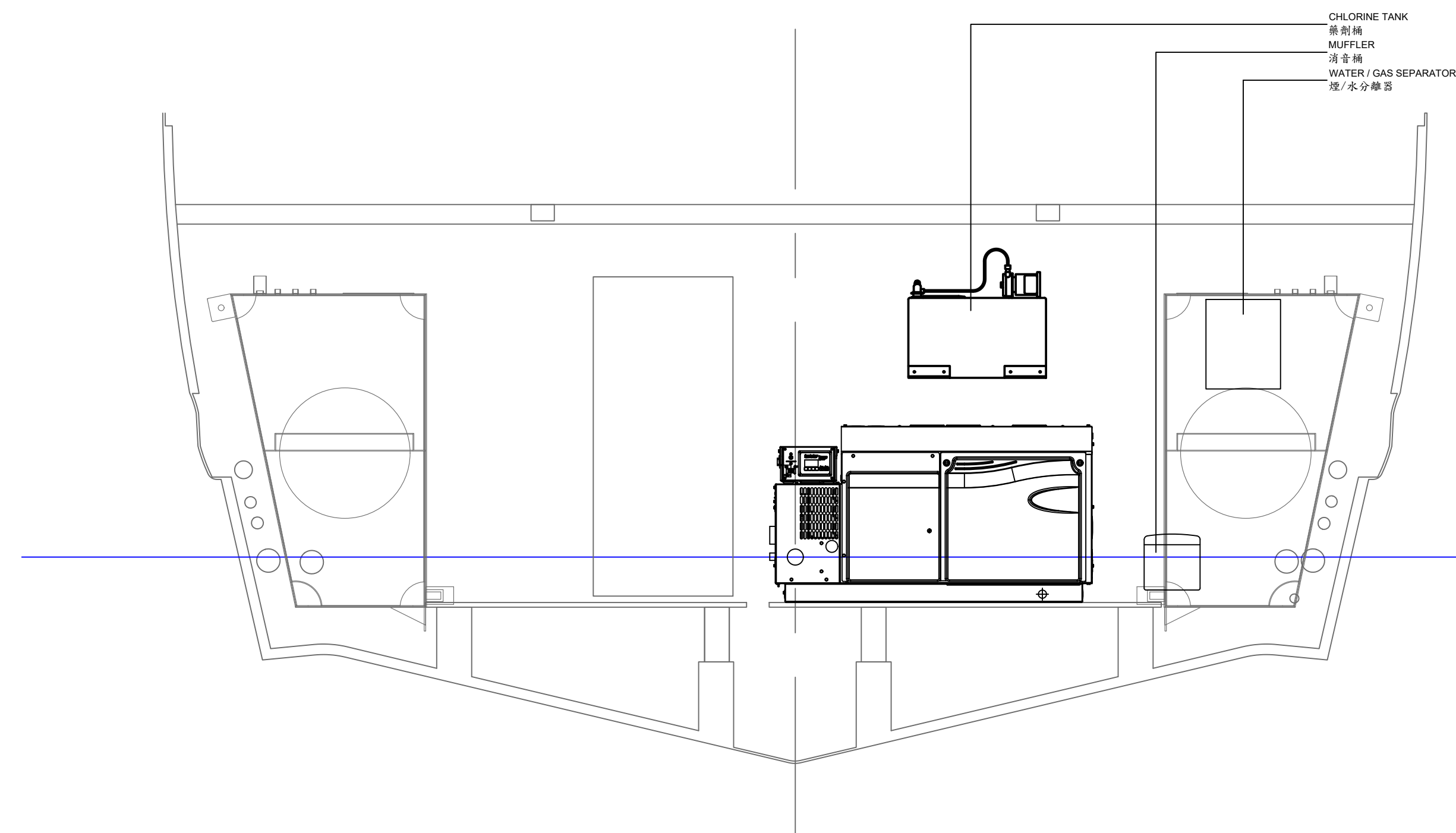
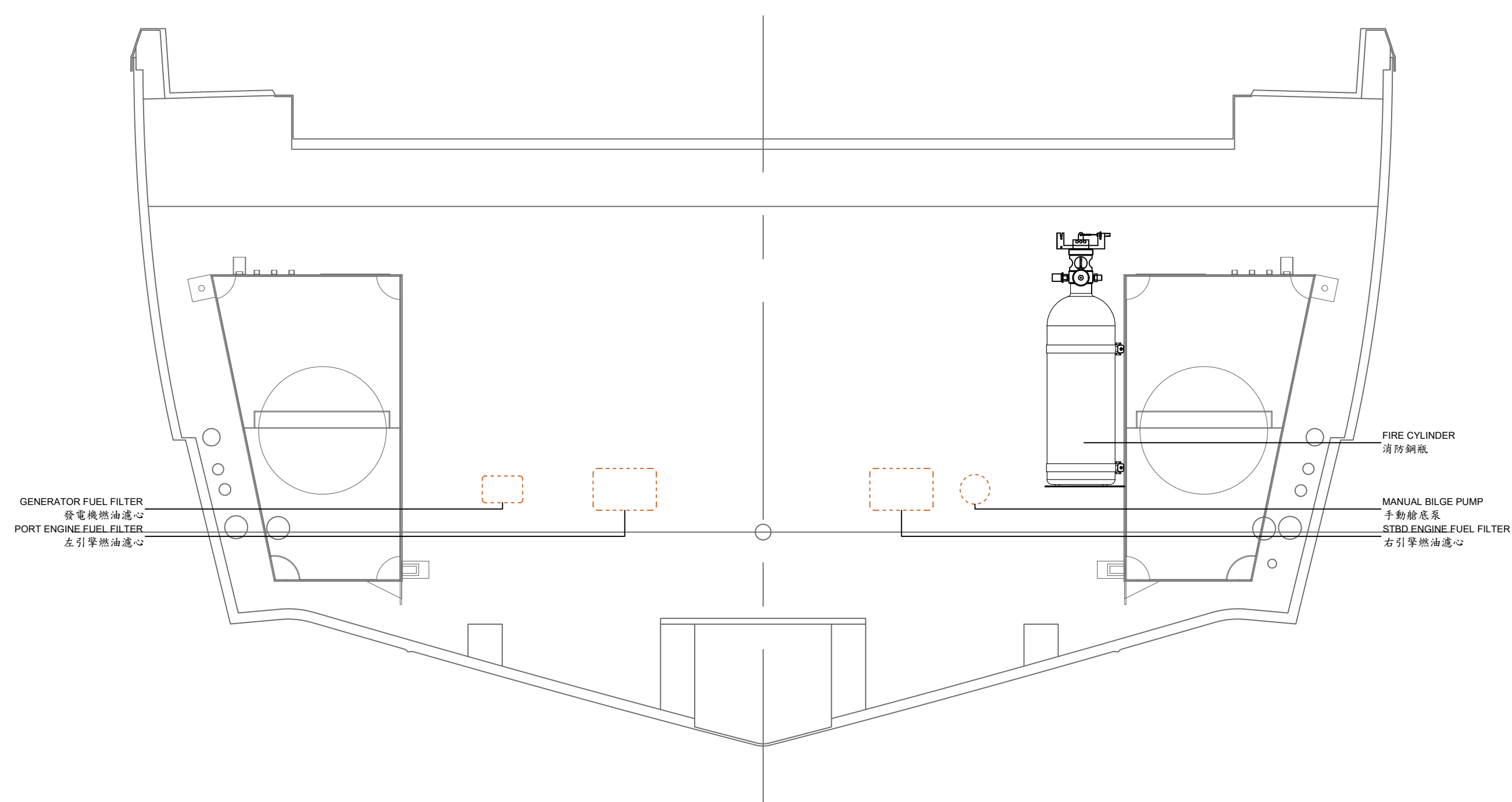






H

G

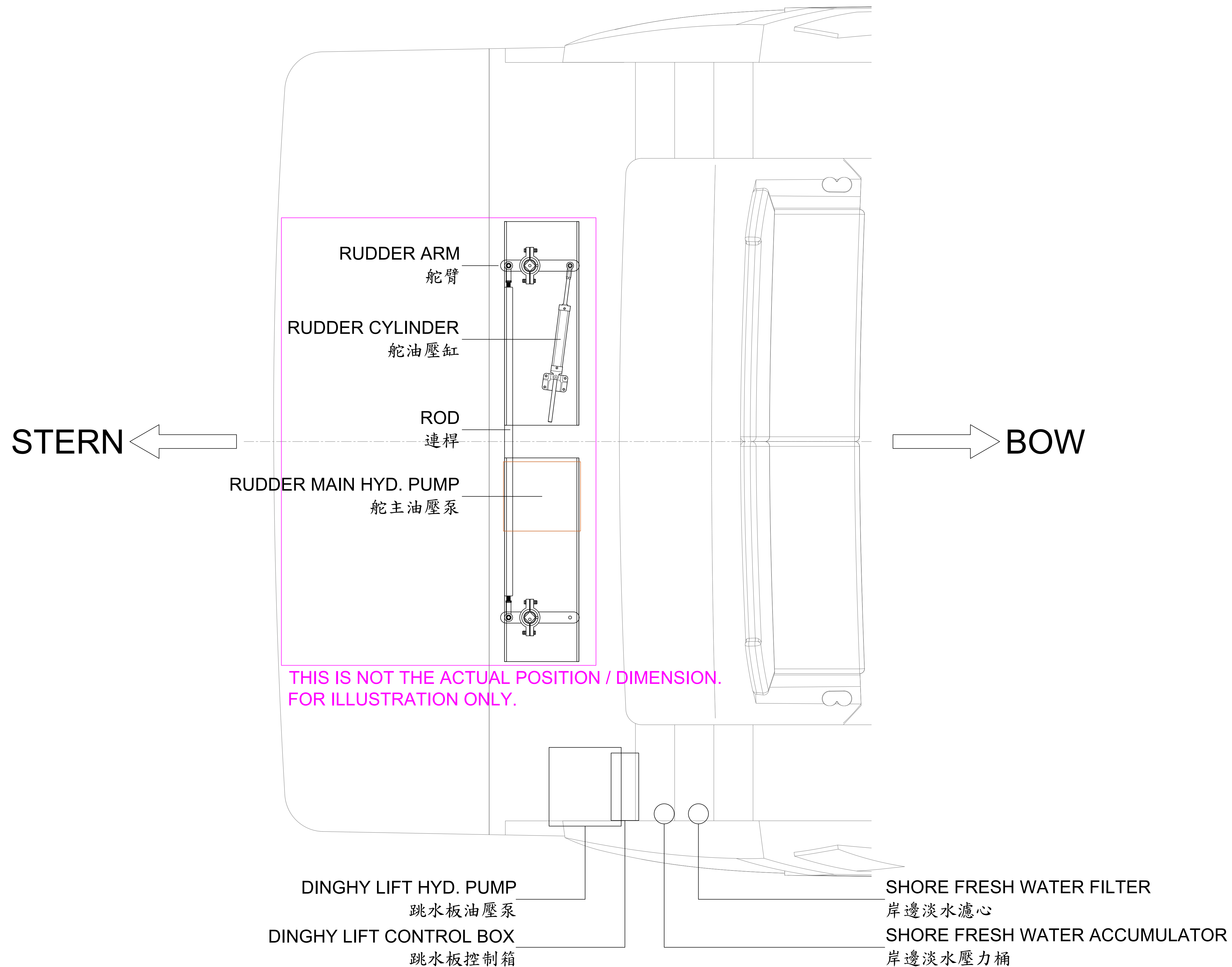


JOHNSON YACHT CO., LTD

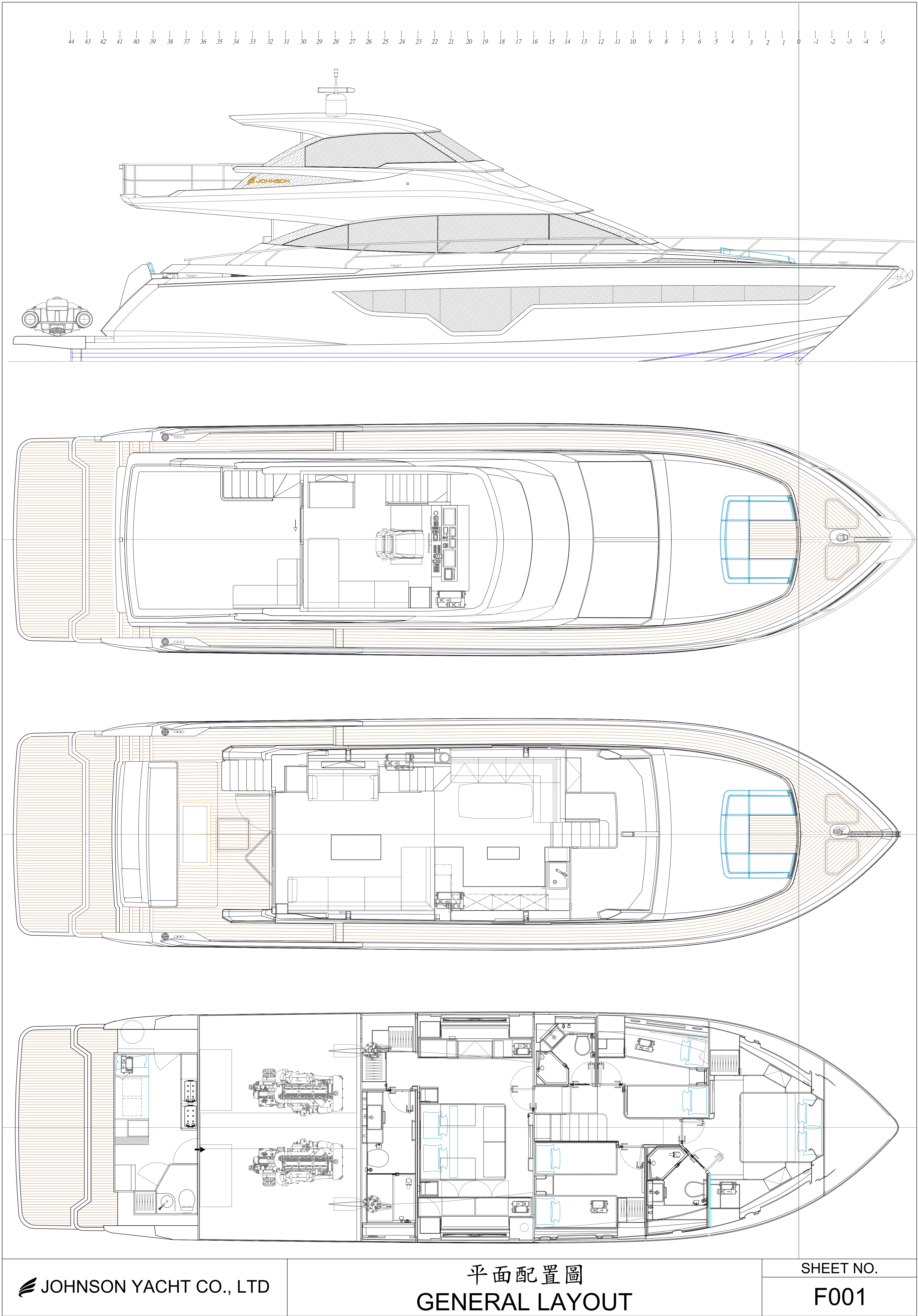
機艙佈置圖 ENGINE ROOM LAYOUT

SHEET NO.

P018

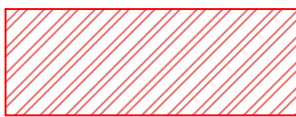


圖號索引表 INDEX OF DRAWING NO.			
圖號 DRAWING NO.	標題 TITLE	圖號 DRAWING NO.	標題 TITLE
F001	平面配置圖 GENERAL LAYOUT		
F002	室內天花板安裝圖 INTERIOR CEILING REMOVAL AND INSTALLATION		
F003	吊船圖 DOCKING PLAN		
F004	吊船及隔艙板位置處 BOAT LIFTING, DOCKING AND HULL SUPPORT PLAN		

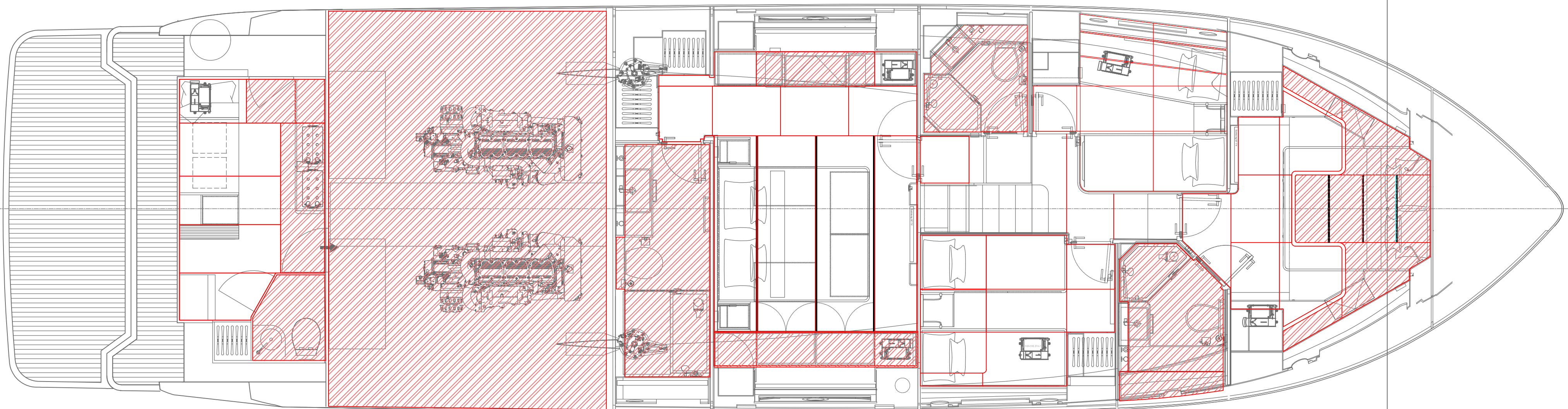
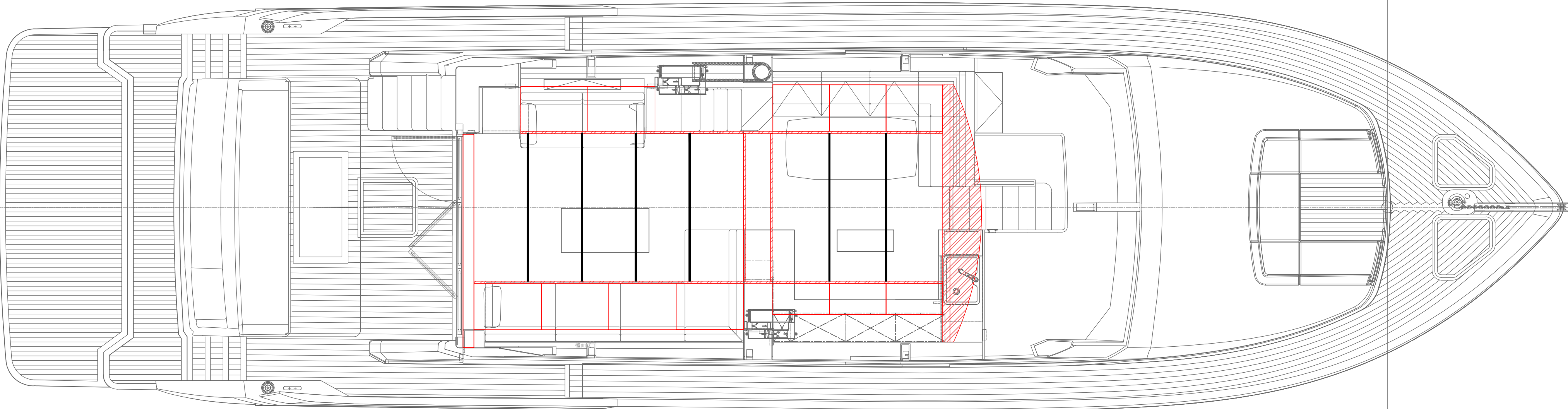
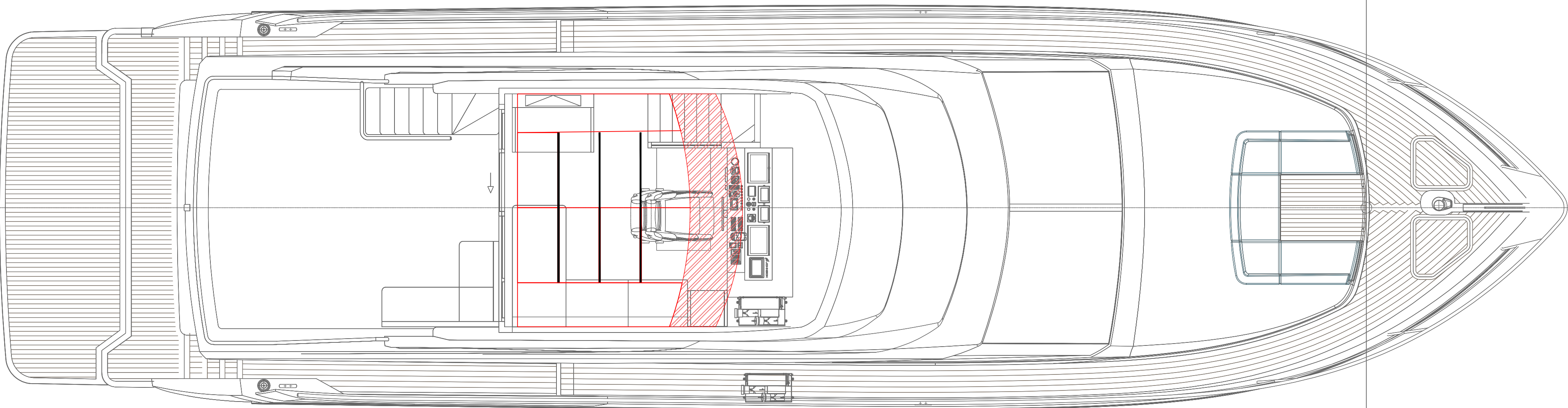
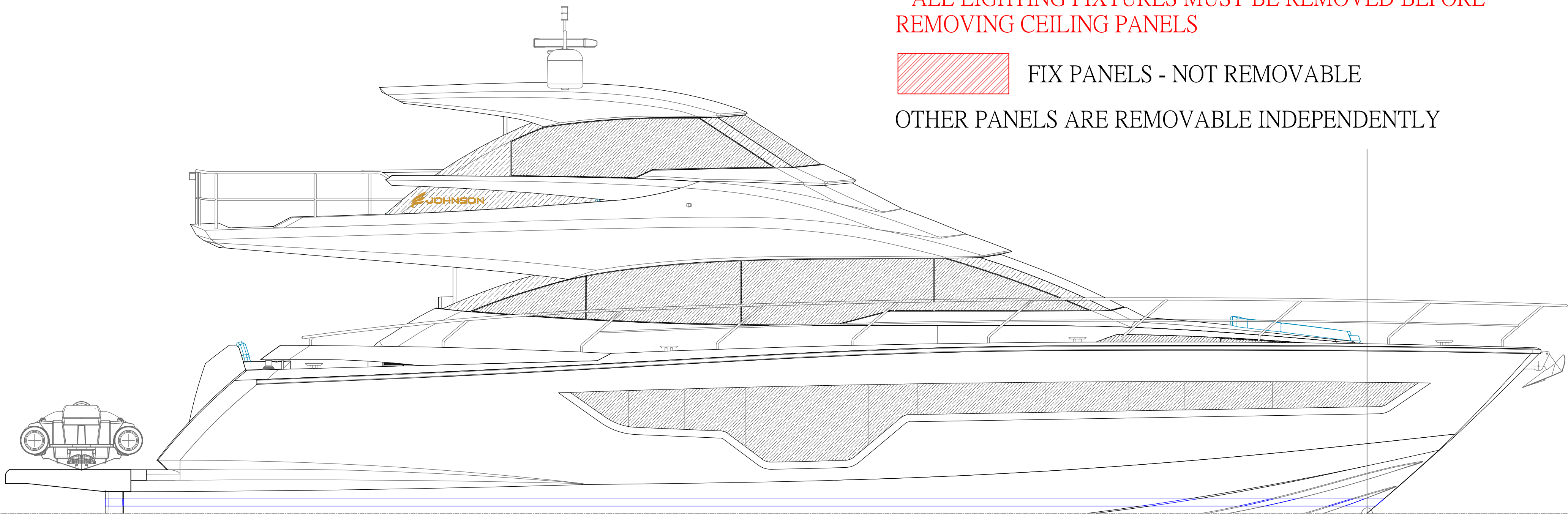


44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 -1 -2 -3 -4 -5

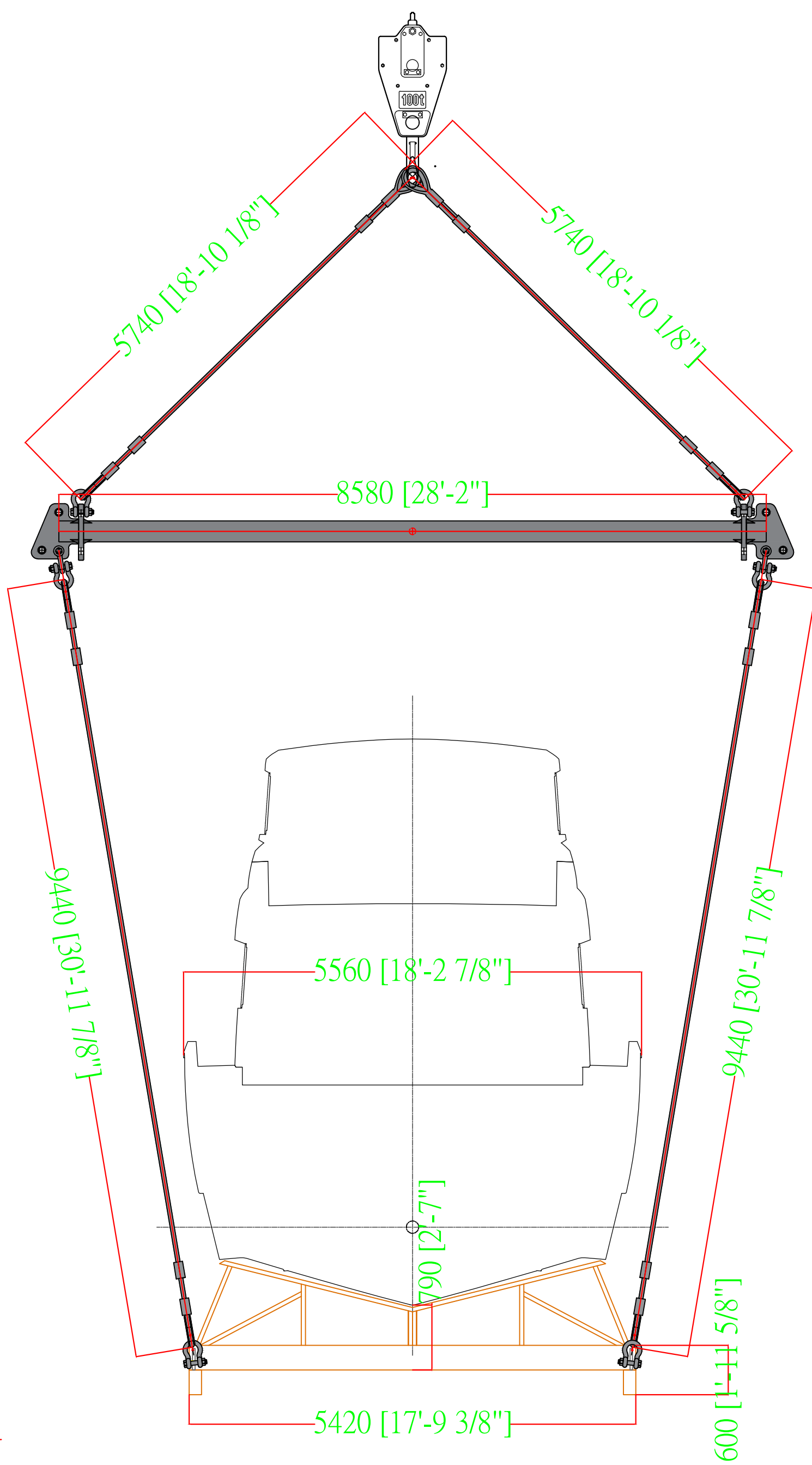
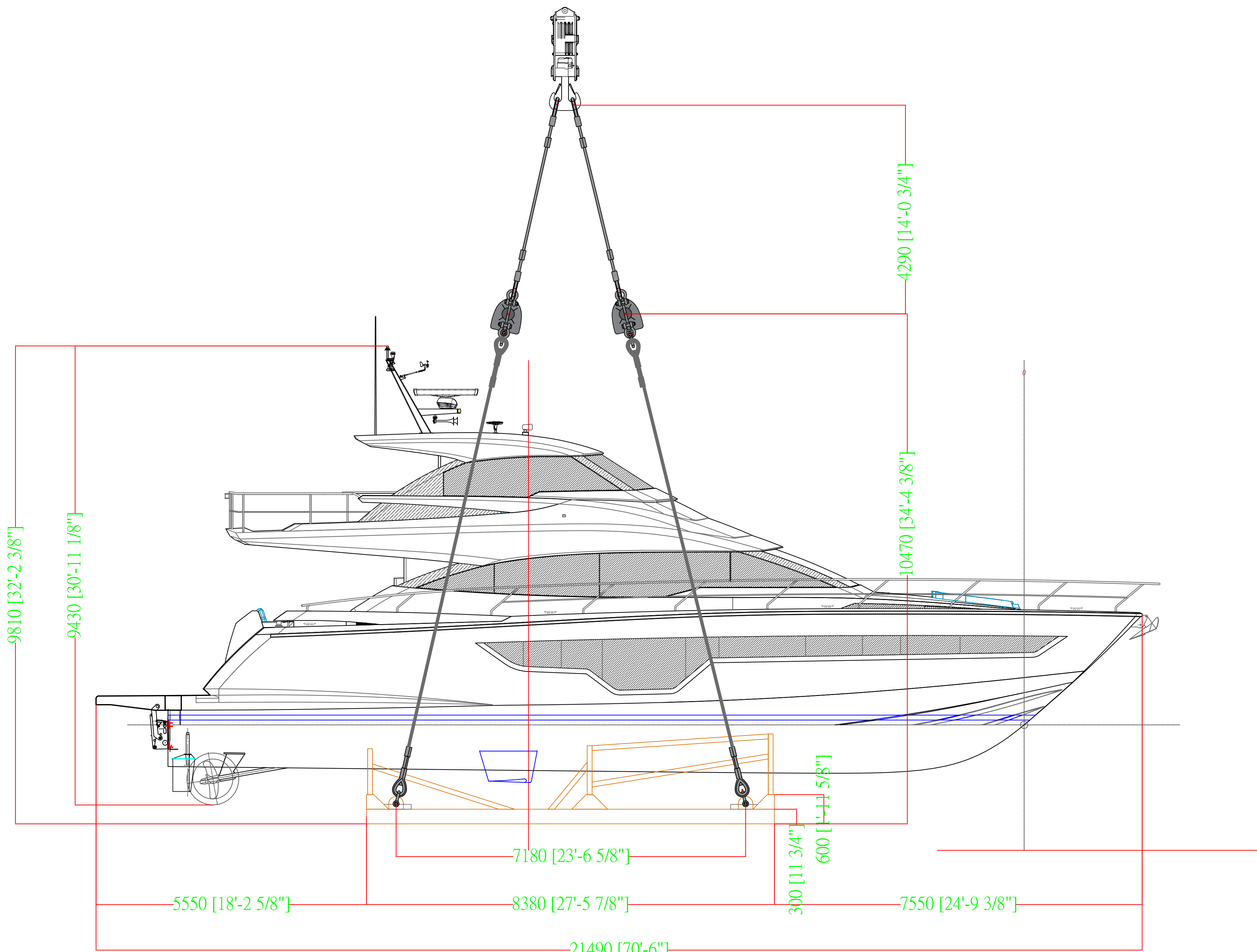
* ALL LIGHTING FIXTURES MUST BE REMOVED BEFORE REMOVING CEILING PANELS

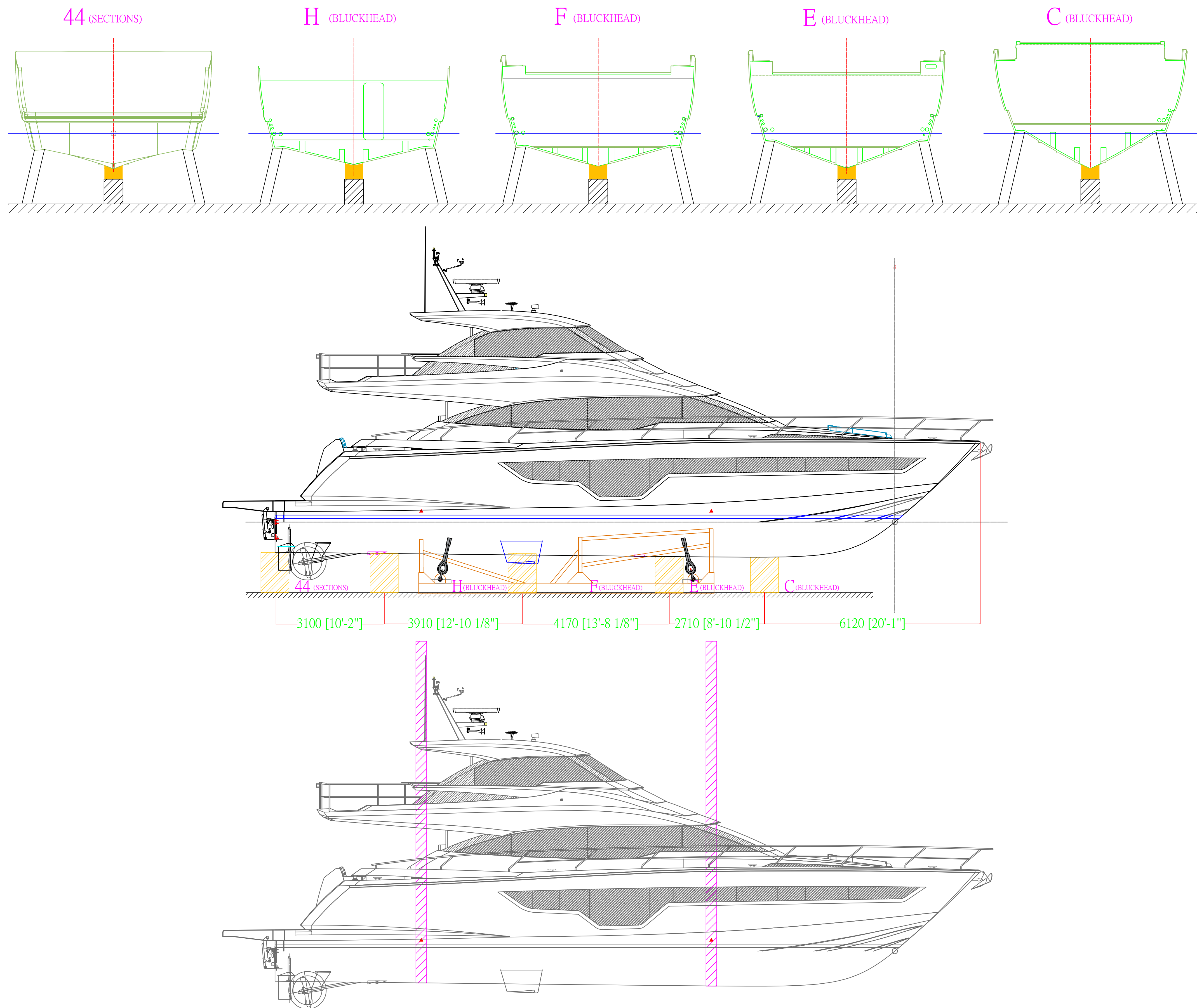
 FIX PANELS - NOT REMOVABLE

OTHER PANELS ARE REMOVABLE INDEPENDENTLY



Dimension : 70'-6" (L)
18'-2⁷/₈" (W)
30'-11¹/₈"(H) / 32"-2³/₈" (H)(W/Cradle)





5. SPECIFIC MANUALS

Manuals of the various equipment installed in the craft, or fitted on the craft, are added to this owner's manual. Reference shall be made to these manuals so that the owner can refer to them for maintenance.

6. ENVIRONMENTAL CONSIDERATIONS

- Fuel and oil spillage is strictly regulated. Bilge pumps must be operated only when offshore (C)
- Discharge and disposal of waste:
Reference to be made to local regulations relating to discharge of waste water (C)
- Noise and exhaust emissions :
Avoid keeping the engines running when not strictly necessary. Also avoid, if you are in close contact with other crafts, to keep the power generator running overnight.(C)
- It is recommended in rough weather to close hatch's port holes and main sliding doors to reduce chance of water ingress.
- Care to be take when working in engine room.
 - A. Engines are very hot in use. (W)
 - B. Avoid contact with propeller shaft and coupling at gear box. (W)
 - C. Avoid contact with fan belts located at front of engines or generators. (W)
 - D. Before working on any installed equipment refer attached equipment manuals.

7. MAINTENANCE

7.0 General

7.0.1 It is recommended to close all through hull sea cocks when boat is unattended for extended periods of time. (C)

7.0.2 Check all electric bilge pumps for operation and intakes not blocked before using boat. (C)

7.1 Regular inspections (W)

7.1.1 Every 10 engine hours:

- * Engine oil level
- * Engine coolant level
- * Gearbox oil level
- * Water leakage at shaft stuffing boxes

Refer to the related manuals for the proper material to be used for refilling.

7.1.2 Every 50 engine hours

- * Studs of the batteries.
- * Level of electrolyte in the batteries
- * Bilge pumps
- * Hydraulic steering:liquid level and pressure
- * Hydraulic engine gears: liquid level and pressure

- * Engine belts tension
- * Power generator oil level
- * Pressure gauges of all fire extinguishers

7.2 REPAIRS AND WINTER STORAGE (C)

Contact your dealer who will provide the best advice along with adapted parts or material for the works you can carry out by yourself. The works should preferably be carried out by professionals. Your dealer will be able to carry out these repairs or to mandate skilled repairmen.

7.3 MODIFICATIONS (D)

Contact your dealer about the possibilities of what you can do by yourself and, above all, about what should not be modified by yourself. You could endanger your own safety and loose your warranty ! (W)

8. SAFETY EQUIPMENT (W)

8.1 Safety equipment (w)

Be sure, before you start boating, that you have the required safety equipment onboard. Such as :

- * life jackets
- * fire extinguishers
- * liferaft(s)

and all the other equipment required by the local existing regulations. Check the expiry dates of all the safety equipment.

8.2 For operation of emergency helm open relief valves on hydraulic steering cylinders and insert s/s helm bar on top of rudder post.

9. WARRANTY CONDITIONS

Under the proper operation and use

The joinery, mechanical and electrical aspects of the boat will be guaranteed for one year, FRP (fiberglass re-enforced plastic) and gelcoat works will be guaranteed for two years. Parts installed by manufacturer which are manufactured by another company shall carry their own standard warranties.

Any warranty claims are to be accompanied by a photograph with full details forwarded to manufacturer by registered air mail, a survey report by an independent marine surveyor acceptable to manufacturer may be required.

Any inspection fee and other expense occurred shall be at purchaser's account. If purchaser fails to forward full information requested by manufacturer within the time of warranty, purchaser shall be deemed to have waived his right to assert any claim.

Your dealer

Name:
.....
Address:
.....
.....

Is the representative of our company and will afford you the necessary help to resolve any problems you may have.

As soon as you are the owner, date and sign the receipt here and give it for send it (or send it) to the dealer to be covered by our warranty.

✂.....

Receipt

Name:

Address:

.....

.....

Owner ofNo.

This craft is covered by the warranty conditions cited in the owner's manual delivered with the craft.

This warranty begins (date).

Signature:.....



HUNG SHEN PROPELLERS

No. 408 Ma Tsu Road, 932 Shin Yuan Shiang,
Ping Tung Hsien, Taiwan, ROC
Tel: +886-8-869-0111 Fax: +886-8-869-0333
Email: hs111@ms23.hinet.net
Website: www.hs111.com



Report - ISO Class

S

Customer: Johnson Yachts Co., Ltd.

Ship No.: 70-16

Date: 23/11/04

Propeller weight (kg): 82.5

Diameter: 33.5 IN

Variable pitch: 34.1 IN (0.7R)

Class: S

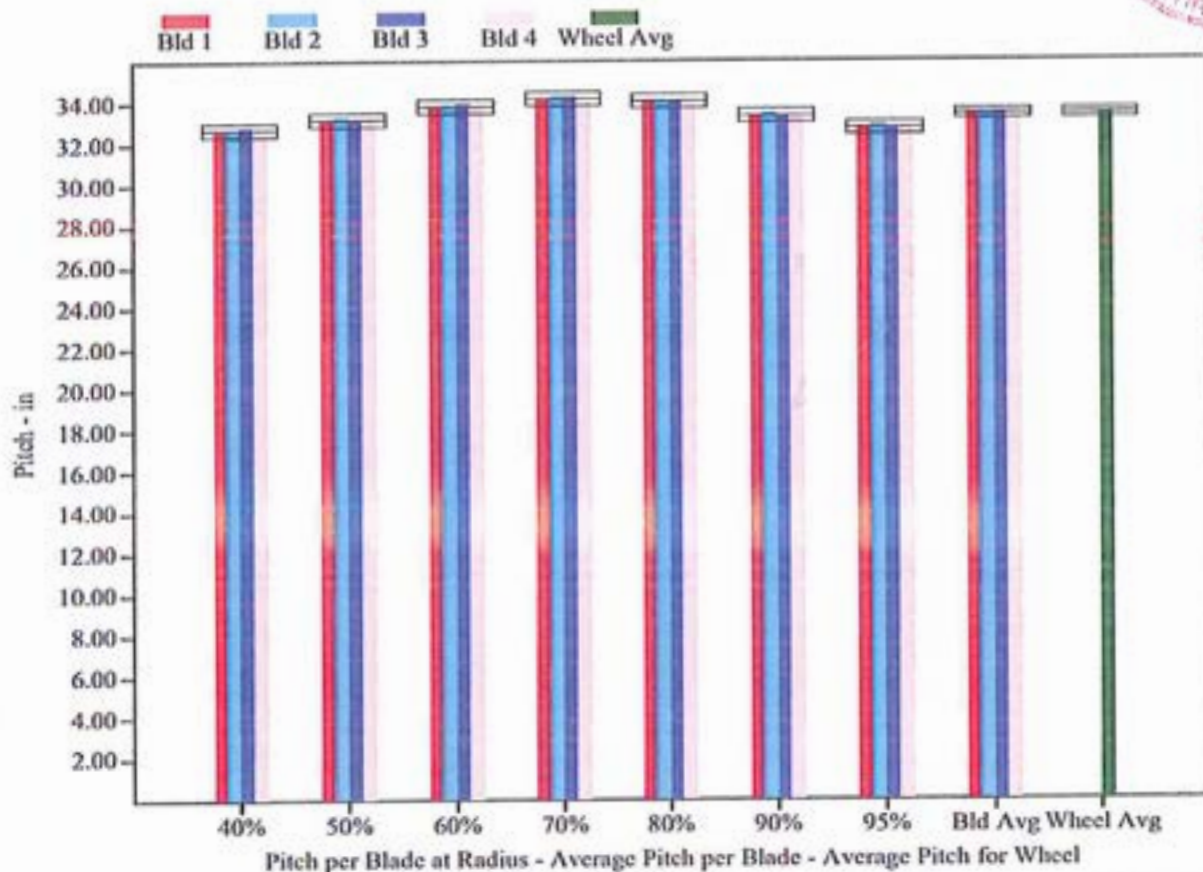
Propeller No.: 40430HA

Blades: 4

Rotations: RH

Inspector: feng

MRI - Summary Graph R Hand 2023/11/04 Class S Limits



Bld 1	32.616	33.141	33.786	34.208	34.009	33.242	32.760	33.395
Bld 2	32.603	33.272	33.868	34.290	34.025	33.381	32.864	33.472
Bld 3	32.771	33.154	33.942	34.236	33.998	33.341	32.735	33.454
Bld 4	32.542	33.151	33.716	34.000	33.948	33.271	32.632	33.323
Wheel Avg	33.411							

International Certification





HUNG SHEN PROPELLERS

No. 408 Ma Tsu Road, 932 Shin Yuan Shiang,
Ping Tung Hsien, Taiwan, ROC
Tel: +886-8-869-0111 Fax: +886-8-869-0333
Email: hs111@ms23.hinet.net
Website: www.hs111.com



Report - ISO Class

S

Customer: Johnson Yachts Co., Ltd.

Ship No.: 70-16

Date: 23/11/07

Propeller weight (kg): 83.5

Diameter: 33.5 in

Variable pitch: 34.1 in (0.7R)

Class: S

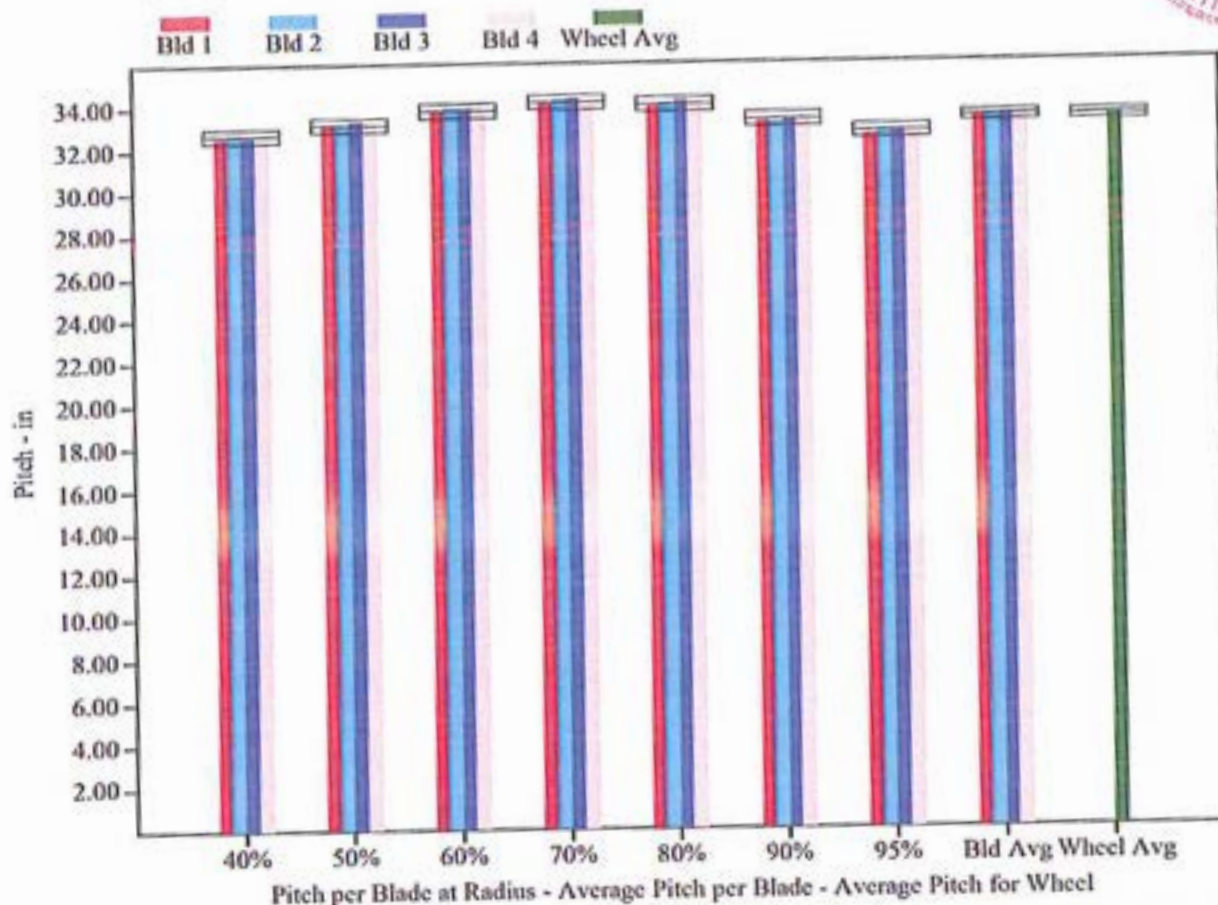
Propeller No.: 40431HA

Blades: 4

Rotations: LH

Inspector: feng

MRI - Summary Graph L Hand 2023/11/07 Class S Limits



Bld 1	32.552	33.214	33.702	34.092	33.924	33.192	32.562	33.320
Bld 2	32.576	33.197	33.923	34.304	34.098	33.117	32.698	33.416
Bld 3	32.586	33.359	33.866	34.317	34.189	33.264	32.719	33.471
Bld 4	32.542	33.246	33.717	34.226	34.147	33.424	32.646	33.421
Wheel Avg	33.407							

International Certification



70-16
LIST OF MANUALS

ITEM No.	DESCRIPTION	BOX	STORED LOCATION
1	MAXWELL CAPSTAN 2500 SERIES INSTALLATION MANUALS *2	A	
2	MAXWELL AUTOANCHOR 560 V2 OWNER'S MANUAL *1	A	
3	MAXWELL RC12 WINDLASS USER'S MANUAL *1	A	
4	PARKER MARINE FILTER/WATER SEPARATORS MOUNTING INSTRUCTIONS AND INSTALLATION GUIDELINES *2	A	
5	JABSCO AMAZON PUMP INSTALLATION INSTRUCTIONS *1	A	
6	VECO S.p.A. MARINE AIR CONDITIONING MANUAL *1	A	
7	SLEIPNER USER MANUAL INCLUDING INSTALLATION FOR CONTROL PANELS PJC221 & PJC222 *1 SLEIPNER INSTALLATION GUIDE FOR HYDRAULIC THRUSTER MODELS SH320 *1 SLEIPNER INSTALLATION GUIDE FOR VECTOR FIN STABILISER SYSTEMS *1 SLEIPNER USER MANUAL FOR THRUSTER MODELS SH HYDRAULIC *1 SIDE-POWER STABILIZER SYSTEMS DESIGN AND INSTALLATION PLANNING GUIDE *1 SIDE-POWER STABILIZER SYSTEMS OPERATION AND USER GUIDE STABILIZER SYSTEMS *1 SLEIPNER USER MANUAL FOR STABILISER SYSTEMS TP-43A,SPS *1 SLEIPNER THRUSTERS//STABILIZERS//HYDRAULIC SYSTEM *2 SIDE-POWER STERN THRUSTER INSTALLATION GUIDE *1 SIDE-POWER PHC-3 X2 GREY HARNESS STABILIZER NO RACK, 6M *1	A	
8	HEADHUNTER WATER PRESSURE SYSTEM INSTALLATION AND OPERATION MANUAL *2 HEADHUNTER SEWAGE TREATMENT PLANT TW-HMX-6001 INSTALLATION AND OPERATION MANUAL *1 HEADHUNTER CLIPS PUMP LATCH, ROLLER ASSEMBLY, PUMP HEAD COVER & TUBE REPLACEMENT PROCEDURE and CLIPS PUMP HEAD, FEED RATE CONTROL (FCR) AND CAM REPLACEMENT PROCEDURE *1 PUMP HEAD SERVICE KIT *1	A	

70-16
LIST OF MANUALS

ITEM No.	DESCRIPTION	BOX	STORED LOCATION
9	ANG-BOOST MARINE ISOLATION BOOST TRANSFORMER VOLTAGE STABILIZER *1	A	
10	VDO SENSOR INSTALLATION INSTRUCTIONS *2	A	
11	VICTRON ENERGY SKYLLA Skylla-i 24V/80A CHARGER AND BATTERY INSTALLATION INSTRUCTIONS *1 VICTRON TG Charger 24V/80A ENERGY BATTERY CHARGER USER MANUAL *1 VICTRON INVERTER INSTALLATION INSTRUCTION *1	A	
12	GARMIN THRU-HULL TRANSDUCER INSTALLATION INSTRUCTION *1 GARMIN GRF TM 10 INSTALLATION INSTRUCTIONS *1 GARMIN GMI TM 20 QUICK START MANUAL *1 GARMIN AIS 800 INSTALLATION INSTRUCTIONS *1 GARMIN REACTOR TM 40 MECHANICAL INSTALLATION INSTRUCTIONS *1 GARMIN GSD TM 25 INSTALLATION INSTRUCTIONS*1 GARMIN GHC TM 50 QUICK START MANUAL *1 GARMIN VHF 115/215/215 AIS SERIES QUICK START MANUAL *1 GARMIN GPSMAP 8X17/8X22/8X24 INSTALLATION INSTRUCTIONS *1 GARMIN MSC 10 MARINE SATELLITE COMPASS INSTALLATION INSTRUCTIONS *1 GARMIN REMOTE GPS ANTENNA INSTALLATION INSTRUCTIONS *1 GARMIN GXM 54 INSTALLATION INSTRUCTIONS *1 GARMIN GC 200 IP MARINE CAMERA INSTALLATION INSTRUCTIONS *1 GARMIN GMR FANTOM OPEN ARRAY SERIES *1	A	
13	BUELL AIR HORNS USER MANUAL *1	A	
14	BEP SURGE PROTECTOR OWNERS INSTRUCTIONAL MANUAL *1	A	
15	GRUNDFOS COMFORT 10-16 TEMP, AUTO AND DIGITAL TIMER INSTALLATION AND OPERATING INSTRUCTIONS*1	A	
16	ARG SERIES RAW WATER STRAINERS INSTALLATION AND MAINTENANCE *1	A	

70-16
LIST OF MANUALS

ITEM No.	DESCRIPTION	BOX	STORED LOCATION
17	ACR RCL-100 LED REMOTE CONTROL SEARCHLIGHT SYSTEM PRODUCT SUPPORT MANUAL *1	A	
18	THRU-HULL MOUNT: RETRACTABLE WITH VALVE OWNER'S GUIDE & INSTALLATION INSTRUCTION *1	A	
19	RITCHIE NAVIGATION USER MANUAL *1	A	
20	PARKER AQUAL WHISPER PRO 450-1800 OWNER'S MANUAL *1 MULTI-VIS/SYNTHETIC PLUNGER PUMP OIL *1	A	
21	FUSION APOLLO STEREO MS-RA770 QUICK START MANUAL *1 FUSION APOLLO STEREO MS-RA770 INSTALLATION INSTRUCTIONS *1	A	
22	FISHER & PAYKEL DISHWASHER INSTALLATION GUIDE *1	A	
23	ONAN GENERATOR SET FOR MARINE INSTALLATION MANUAL *1 ONAN GENERATOR SET FOR MARINE OPERATOR MANUAL *1 ONAN GENERATOR SET FOR MARINE PARTS MANUAL GENERATOR SETS AND ASSOCIATED EQUIPMENT HEALTH AND SAFETY INFORMATION *1 MARINE GENERATOR SET WARRANTY STATEMENT *1 EMISSION WARRANTY STATEMENT *1 INDUSTRIAL TEST RECORD – CERTIFICATE OF TEST *1	A	
24	ISOTHERM REFRIGERATORS USER MANUAL *2 ISOTHERM FREEZER USER MANUAL *1	A	
25	FLOJET WASHDOWN PUMP INSTALLATION GUIDE *1 FLOJET WASHDOWN PUMP SAFETY & INSTALLATION INSTRUCTIONS *1	A	
26	SPLENDID TUMBLE DRYER CARE, USE AND INSTALLATION BOOKLET * 1 SPLENDID WASHING MACHINE INSTRUCTION FOR USE *1 WASHER QUICK GUIDE *1	A	
27	FISHER & PAYKEL MICROWAVE OVEN USE AND CARE GUIDE *1 FISHER & PAYKEL MICROWAVE OVEN USER GUIDE *1 FISHER & PAYKEL MICROWAVE OVEN SERVICE & WARRANTY *1	A	
28	FISHER & PAYKEL BLACK INDUCTION COOKTOP INSTALLATION GUIDE *1	A	

70-16
LIST OF MANUALS

ITEM No.	DESCRIPTION	BOX	STORED LOCATION
29	FUSION SIGNATURE SERIES SPEAKERS INSTALLATION INSTRUCTIONS (FUSION 系列全放在這邊)	A	
30	QUICK LED RETRACTABLE LAMP INSTALLATION MANUAL * 1	A	
31	BESENZONI PILOT SEAT OPERATING MANUAL *1	A	
32	Calpeda CLOSE COUPLED PUMPS WITH THREADED PORTS OPERATING INSTRUCTIONS *1	A	
33	Elbi EXPANSION TANKS INSTALLATION AND MAINTENANCE MANUAL *1	A	
34	TORRID MARINE WATER HEATERS OWNNER'S MANUAL *1	A	
35	NORTHERN LIGHTS M944W3F GEM SERIES SOUND ENCLOSURE ASSEMBLY INSTRUCTIONS* 1	A	
36	CATERPILLER MARINE BRIEF COVERAGE OF OPERATION AND MAINTENACE MANUAL & OPERATION AND MAINTENANCE MANUAL OF MARINE ENNGINE *1 SYSTEM SENSOR CARBON MONOXIDE DETECTOR INSTALLATION AND MAINTENANCE INSTRUCTIONS *1	A	
37	MARINE CONVENTIONAL PHOTOELECTRIC SMOKE DETECTOR INSTALLATION INSTRUCTIONS *1 RECESS BASE ADAPTER SPECIFICATION & INSTRUCTIONS *1 SYSTEM SENSOR	A	
38	FUSION MS-RA210 INSTALLATION INSTRUCTIONS *2 FUSION MS-RA210 QUICK START MANUAL *2	A	

70-16
LIST OF MANUALS

ITEM No.	DESCRIPTION	BOX	STORED LOCATION
-------------	-------------	-----	--------------------

1. Photo of boxes containing manuals and loose goods.



70-16
CONTENTS OF LOOSE GOODS

ITEM No.	DESCRIPTION	PSC	BOX	STORED LOCATION
1	Fastmount 拆卸工具 CT-05		A	VIP BED
2	MAXWELL WRENCH 起錨機板手		A	VIP BED
3	Maxwell Autoanchor cable remote 起錨機遙控器		A	VIP BED
4	CAT DEO-ULS Engine oil *2 1GAL 引擎油		A	VIP BED
5	Portlight screens 舷窗		A	VIP BED
6	GLENDINNING WIRELESS REMOTE CONTROL		A	VIP BED
7	FLAGPOLE (LONG*1,SHORT*1) 旗桿 (長*1,短*1)			MASTER BED
8	REPORT OF PROPELLERS 車槳報告書		A	VIP BED
9	SIDE POWER THRUSTER & STABILIZER &Hydraulic System User Manual and Stabilizer Label 穩定儀+推進器和穩定儀安全範圍標籤紙		A	VIP BED
10	SEA-FIRE System Schematic, BOM and Components Manual 偵煙消防說明書		A	VIP BED
11	TV unpacking box for warranty (including serial number) 電視紙箱(含保固) *5			MASTER BED*4 STBD BED*1
12	GEL COAT 膠殼		C	VIP BED
13	Clear Coat and Hardener 油漆金油和硬化劑		A	VIP BED
14	Waterline paint 水線用		A	VIP BED
15	PROPELLER PULLER 車葉推拔器		A	VIP BED
16	COCO CLEAN EFFLUENT POLISHING 3 gal cartrige replacement pack 化糞系統藥劑		A	VIP BED
17	CRYSTALLINE SEWAGE CONDITIONING TABLETS (12 Tablets) 化糞系統藥劑		A	VIP BED
18	HEAVY DUTY DIESEL ENGINE OIL 1 GAL 引擎油		A	VIP BED
19	Hose Coli Quick Release connector – 3/4” adapter 外部沖洗水龍頭快拆接頭		A	VIP BED
20	Crew washroom clothes hanger 水手浴室衣服掛鉤		A	VIP BED
21	COVER STAND TOP FOR SALON TV*2 電視支架		A	VIP BED
22	AMPLIFIER REMOTE *2 擴大機遙控器		A	VIP BED
23	Cushion bracket (1 bed) with institution sheet		A	Galley
24	Bed throw 床尾巾		A	stbd side of after deck

70-16
CONTENTS OF LOOSE GOODS

ITEM No.	DESCRIPTION	PSC	BOX	STORED LOCATION
25	ANTENNA FOR AMPLIFIER (SALON) 擴大機天線 ANTENNA FOR AMPLIFIER (MASTER CABIN) 擴大機天線		A	VIP BED
26	FLYBRIDE TV LIFT REMOTE *1 電視支架遙控 SALON TV LIFT REMOTE *1 電視支架遙控		A	VIP BED
27	32" SAMSUNG TV REMOTE FOR PORT GUEST CABIN *1 32" SAMSUNG TV REMOTE FOR STBD GUEST CABIN *1 45" SAMSUNG TV REMOTE FOR MASTER GUEST CABIN *1 32" SAMSUNG TV REMOTE FOR VIP CABIN *1 55" SAMSUNG TV REMOTE FOR SALON *1 32" SAMSUNG TV REMOTE FOR FLYBRIDGE *1 32" SAMSUNG TV REMOTE FOR CREW CABIN *1		A	VIP BED
28	Pillow *4 and Blanket *1			MASTER CABIN CLOSET
29	Pillow *5 and Blanket *1 Throw pillow *5 Table *1			STBD GUEST CABIN CLOSET
30	Pillow *4 and Blanket *1			VIP CABIN CLOSET
31	Keys: crew door key (swim platform) 跳水板門 *4 Saloon door key 沙龍大門 *4 sky lounge aft door key 違章門 *4			All keys were given to Captain Kyle on January 24th

70-16
CONTENTS OF LOOSE GOODS

ITEM No.	DESCRIPTION	PSC	BOX	STORED LOCATION
----------	-------------	-----	-----	-----------------

