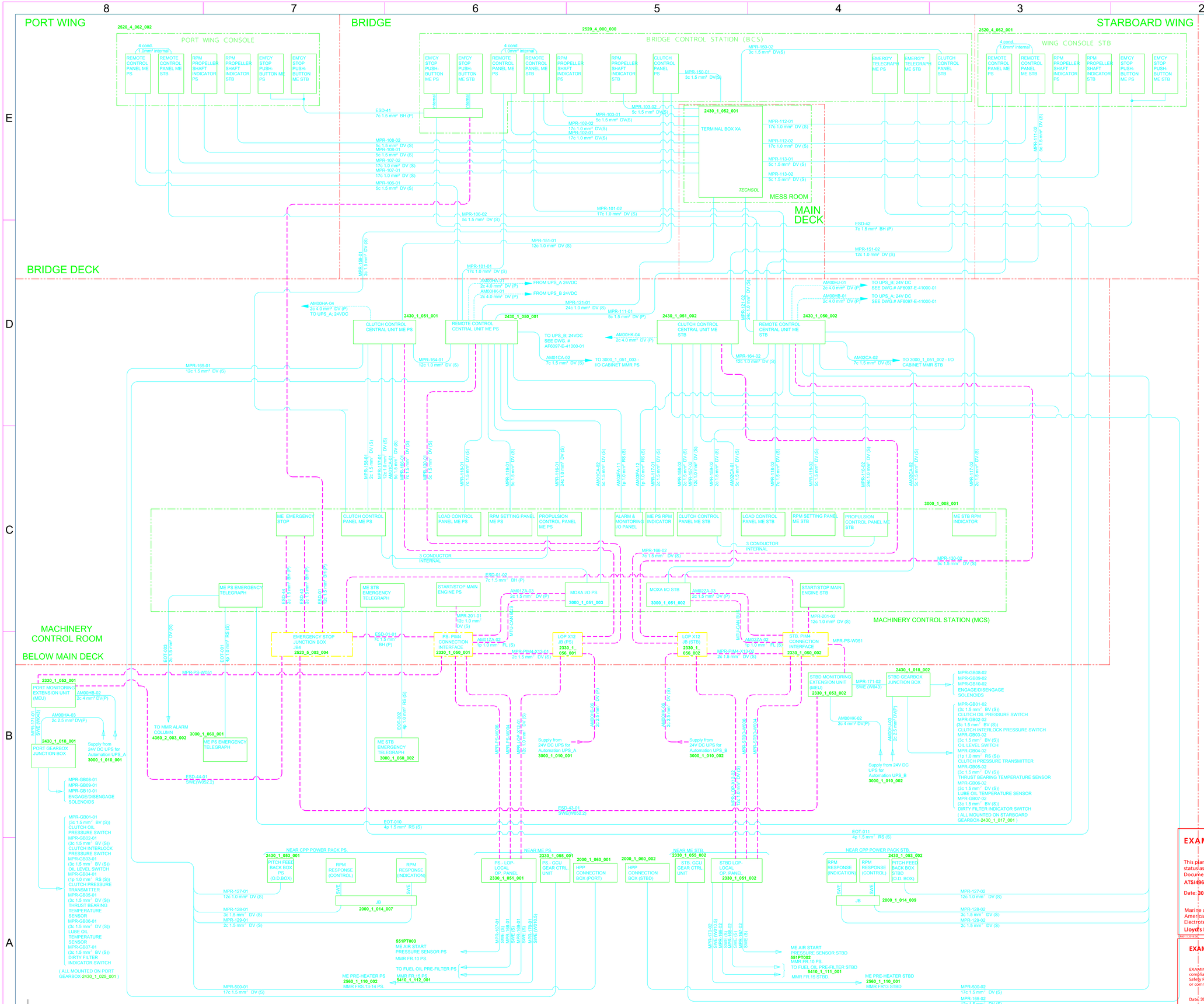

TAG NUMBER	DESCRIPTION	TECHNICAL DATA	No. OFF	MAKER
-	REMOTE CONTROL PANEL ME PS/STB	MOUNTED ON BCS	2	RR
-	REMOTE CONTROL PANEL ME PS/STB	MTD ON WING CONSOLES	4	RR
-	RPM PROP. SHAFT INDICATOR PS/STB	MTD ON BCS & WING CONSOLES	6	RR
-	EM'CY STOP PUSH-BUTTON ME PS/STB	MTD ON BCS & WING CONSOLES	6	TECHSOL
-	START/ STOP ME PS/STB PUSH- BUTTONS	MOUNTED ON MCS	2	TECHSOL
-	EMERGENCY TELEGRAPH PS/STB	MOUNTED ON BCS	2	TECHSOL
-	CLUTCH CONTROL PANEL PS/STB	MOUNTED ON BCS	2	RR
-	DISTRIBUTION TERMINALS - XA01 & XA 02	MOUNTED INSIDE BCS	1	TECHSOL
2430_1_051_001	CLUTCH CONTROL CENTRAL UNIT ME PS	24V DC	1	RR
2430_1_050_001	REMOTE CONTROL CENTRAL UNIT ME STB	24V DC	1	RR
2430_1_051_002	CLUTCH CONTROL CENTRAL UNIT ME STB	24V DC	1	RR
2430_1_050_002	REMOTE CONTROL CENTRAL UNIT ME STB	24V DC	1	RR
-	ME PS EMERGENCY STOP	MOUNTED ON BCS	1	TECHSOL
-	MESTB EMERGENCY STOP	MOUNTED ON BCS	6	TECHSOL
-	CLUTCH CONTROL PANEL ME PS	MOUNTED ON MCS	1	RR
-	LOAD CONTROL PANEL ME PS	MOUNTED ON MCS	1	RR
-	RPM SETTING PANEL ME PS	MOUNTED ON MCS	1	RR
-	PROPULSION CONTROL PANEL ME PS	MOUNTED ON MCS	1	RR
-	ME PS RPM INDICATOR	MOUNTED ON MCS	1	RR
-	CLUTCH CONTROL PANEL ME STB	MOUNTED ON MCS	1	RR
-	LOAD CONTROL PANEL ME STB	MOUNTED ON MCS	1	RR
-	RPM SETTING PANEL ME STB	MOUNTED ON MCS	1	RR
-	PROPULSION CONTROL PANEL ME STB	MOUNTED ON MCS	1	RR
-	ME STB RPM INDICATOR	MOUNTED ON MCS	1	RR
-	ME PS EMERGENCY TELEGRAPH	MOUNTED ON MCS	1	RR
-	ME STB EMERGENCY TELEGRAPH	MOUNTED ON MCS	1	RR
-	START/STOP MAIN ENGINE PS	MOUNTED ON MCS	1	TECHSOL
-	START/STOP MAIN ENGINE STB	MOUNTED ON MCS	1	TECHSOL
2430_1_051_003	CLUTCH TERMINAL BOX PS	24V DC	1	TECHSOL
2430_1_051_004	CLUTCH TERMINAL BOX STB	24V DC	1	TECHSOL
-	PITCH FEEDBACK BOX PS	24V DC	1	RR
-	PITCH FEEDBACK BOX STB	24V DC	1	RR
-	RPM RESPONSE TRANSMITTER INDICATION	24V DC	2	RR
-	RPM RESPONSE TRANSMITTER CONTROL	24V DC	2	RR
2330_1_050_001	PS- PIM4 CONNECTION INTERFACE	24V DC	1	MTU
2330_1_051_001	PS.- LOP-LOCAL OP. PANEL	24V DC	1	MTU
2330_1_055_001	PS.- GCU GEAR CTRL. UNIT	24V DC	1	MTU
2000_1_060_001	HYD.POWER PACK PS CONN.BOX	24V DC	1	RR
2000_1_060_002	HYD.POWER PACK STB CONN.BOX	24V DC	1	RR
2330_1_055_002	STB. GCU GEAR CTRL. UNIT	24V DC	1	MTU
2330_1_051_002	STB. LOP-LOCAL OP. PANEL	24V DC	1	MTU
2330_1_050_002	STB. PIM4 CONNECTION INTERFACE	24V DC	1	MTU
2000_1_014_007 2000_1_014_009	JUNCTION BOX	24V DC	2	-
2430_1_052_001	XA TERMINAL BOX	24V DC	1	TECHSOL
2330_1_053_001	PORT MONITORING EXTENSION UNIT (MEU)	24V DC	1	-
2330_1_053_002	STBD MONITORING EXTENSION UNIT (MEU)	24V DC	1	-
2430_1_018_001	PORT GEARBOX JUNCTION BOX	24V DC	1	TECHSOL
2430_1_018_002	STBD GEARBOX JUNCTION BOX	24V DC	1	TECHSOL
2520_5_003_004	EMERGENCY STOP JUNCTION BOX JB4	6x6, 24V DC	1	-

GENERAL NOTES:

1.ALL CABLES MARKED WITH "P" ARE POWER CLASS AND CABLES MARKED WITH "S" ARE SIGNAL CLASS.

2.8V SERIES = TRICAB CABLE, FLAME RETARDANT, UNARMOURED CABLES FOR POWER AND CONTROL.

3.BH SERIES = TRICAB CABLE, FIRE RESISTANT, ARMOURED CABLES FOR POWER AND CONTROL.

4.DV SERIES = TRICAB CABLE, FLAME RETARDANT, ARMOURED CABLES FOR POWER AND CONTROL.

5.RS SERIES = TRICAB CABLE, FLAME RETARDANT, ARMOURED CABLES FOR INSTRUMENTATION WITH EMC PROTECTION.

6.TRICAB FL SERIES - FIRE RESISTANT, ARMOURED, CABLES FOR INSTRUMENTATION

ABBREVIATIONS:

CCAMS - CENTRALISED CONTROL, ALARM & MONITORING SYSTEM
RPM - ROTATIONS PER MINUTE

NOTES:

1. FOR ALL ALARMS ELECTRICAL CABLES SEE DWG. AF6097-E-41000-01 - ALARM & MONITORING ONE LINE DIAGRAM.
2. ALL EQUIPMENT INCLUDED IN MACHINERY CONTROL ROOM CONSOLE (MCS) WILL HAVE TAG NO. OF THE CONSOLE.
3. ALL EQUIPMENT SHALL BE INSTALLED AND INTEGRATED IN ACCORDANCE WITH THE RECOMMENDATION AND GUIDANCE OF THE EQUIPMENT MANUFACTURER.

THIS DRAWING HAS BEEN DEVELOPED FROM ORIGINAL DRAWING NO. 'AF6097-E-23000-01 MAIN ENGINE REMOTE ONE LINE DIAGRAM' .

LINES SHOWN AS THUS ARE AFFECTED BY THE RELOCATION OF THE PIM4 AND RELATED BOXES.

BOXES SHOWN AS THUS ARE THE RELOCATED PIM4 AND RELATED BOXES.

REFERENCE DOCUMENTS

NO.	DOCUMENT TITLE	DOCUMENT NUMBER
1	ELECTRICAL DISTRIBUTION PANELS - WIRING DIAGRAMS	AF6097-E-32000-03-XX
2	ALARM & MONITORING SYSTEM - ONE LINE DIAGRAM	AF6097-E-41000-01

EXAMINED

Lloyd's Register

This plan has been examined and given the status as shown in the Design Appraisal Document (DAD) number below:

ATS/4966145/E/001

Date: **30 October 2017** Initials: **HP**

Marine and Offshore
Americas Technical Support Office
Electrotechnical
Lloyd's Register Canada Limited

EXAMINED

Lloyd's Register

EXAMINED on behalf of Transport Canada, Marine Safety for compliance with the applicable Transport Canada Marine Safety Regulations & subject to any amendments or comments stated in the supporting document(s)

Date: **30 October 2017** Initials: **HP**

Marine and Offshore
Americas Technical Support Office
Electrotechnical
Lloyd's Register Canada Limited

Rev	Date	By	Remarks

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Client: CCG/DFO

Title: CCG 'HERO CLASS' MSPV
PIM4 BOX RELOCATIONS
M.E. REMOTE SYSTEM ONE LINE DIAGRAM MODS

Drawn By:	BH	Date:	25-09-17
Checked By:	DC	Scale:	NTS Rev: 0
Approval/Rev		DWG NO:	J17052-E01
Client			
Class			
Flag		Sht No: 1 of 1	

A0 SHT METRIC