

RAPPORT DE COUPLE DE SERRAGE


GARDE CÔTIÈRE CANADIENNE

Caporal Kaeble V.C.




EFFECTUÉ PAR :
Olivier Proulx
Anthony Soucy

DATE : Février 2016


	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:		Garde Côtière Canadienne	
	Date:		15-Feb-16	
	Nom du bateau:		Caporal Kaebler V.C.	
		Révision:		Rev.01
LISTE DE COUPLE DE SERRAGE			POUR PANNEAUX : P1, P2, P5, L2, L3, L4, L5, E1 & E2.	

# Modèles	Description	Valeur de couple
T1N015TL	Breaker 3 Poles, 15 amp, 600VAC-500VDC	7 Nm
1040T1PU3	Busbar system for 10 positions max of T1 3P	45 Nm
0421029	For Ground Buss Bar Wire Clamps AKG4GNYE, 20-10 gauge	1.6 Nm
0423027	For Ground Buss Bar Wire Clamps AKG16GNYE, 16-6 gauge	2.7 Nm
0424026	For Ground Buss Bar Wire Clamps AKG35GNYE, 14-2 gauge	3.4 Nm
S202-Cxx	Breaker 2 Pole, xx amp, C curve Minibreaker	2.8 Nm
S203-Cxx	Breaker 3 Pole, xx amp, C curve Minibreaker	2.8 Nm
3004142	Fuse Holder UK5-HESILED-250	0.6 Nm
A26-30-10-80	Contact, 3 poles, N.O. Aux. Contact, Coil 230VAC 60Hz	1.7 Nm
A26-30-10-84	Contact, 3 poles, N.O. Aux. Contact, Coil 120VAC 60Hz	1.7 Nm
CAL5-11	Auxiliary contact Block, Side mounting	0.8 Nm
FSPDB2C	Rail Mount Power Distr. Block 1-4 Cu (input Side - Big Screw)	9 Nm
FSPDB2C	Rail Mount Power Distr. Block 1-4 Cu (output Side - Smal Screw)	3.9 Nm

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU P1		600Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN CONNECTION	X	X	X				45 Nm
P1-1	BLAST HEATERS MMR	X	X	X	X	X	X	7 Nm
P1-2	BLAST HEATERS MMR & EMERGENCY GEN. ROOM	X	X	X	X	X	X	7 Nm
P1-3	BLAST HEATERS BOW THRUSTER ROOM	X	X	X	X	X	X	7 Nm
P1-4	SPARE	X	X	X				7 Nm
P1-5	SPARE	X	X	X				7 Nm
P1-6	SPARE	X	X	X				7 Nm

Équipements	Détails	Tous						Valeur de couple
		Vis						
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE	X						1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE	X						2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE	X						3.4 Nm

 ÉLECTRONIQUE INDUSTRIELLE & MARITIME	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU P2		600Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN CONNECTION	X	X	X				45 Nm
P2-1	BLAST HEATERS AMR	X	X	X	X	X	X	7 Nm
P2-2	LINEN/LAUNDRY LOCKER BLAST HEATERS	X	X	X	X	X	X	7 Nm
P2-3	BLAST HEATERS STEERING GEAR ROOM PORT	X	X	X	X	X	X	7 Nm
P2-4	BLAST HEATERS STEERING GEAR ROOM STBD	X	X	X	X	X	X	7 Nm
P2-5	SPARE	X	X	X				7 Nm
P2-6	SPARE	X	X	X				7 Nm

Équipements	Détails	Tous						Valeur de couple
		Vis						
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE	X						1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE	X						2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE	X						3.4 Nm

	RAPPORT DE COUPLE DE SERRAGE			
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	PANNEAU P5		240Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN CONNECTION	X	X	X				45 Nm
P5-1	WASHROOMS FR.29 & STEWARD'S LOCKER BELOW M.DK CONVECTION HEATERS	X	X		X	X		7 Nm
P5-2	CENTRAL STORE ROOM, MCR & MEDICAL SAR LOCKER BELOW MAIN DECK CONVECTION HEATERS	X	X		X	X		7 Nm
P5-3	WET GEAR STORE ROOM M.DK. CONVECTION HEATERS	X	X		X	X		7 Nm
P5-4	H.V.A.C ROOM M.DK. CONVECTION HEATERS	X	X		X	X		7 Nm
P5-5	WASHROOMS FR.26 STB, GALLEY, STAIRCASE AND WASHROOMS FR.16 STB M.DK. CONVECTION HEATERS	X	X		X	X		7 Nm
P5-6	SPARE	X	X					7 Nm
P5-7	SPARE	X	X					7 Nm
P5-8	SPARE	X	X					7 Nm

Équipements	Détails	Tous						Valeur de couple
		Vis						
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE	X						1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE	X						2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE	X						3.4 Nm

 ÉLECTROTECHNIQUES INDUSTRIELLES & MARITIMES	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
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	PANNEAU L2		240Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN SPLITER (FSPDB2C)	X	X	X	X	X	X	Input 9 Nm Output 3.9 Nm
L2-1	Galley A/C Unit	X	X		X	X		2.8 Nm
L2-2	SPARE	X	X					2.8 Nm
L2-3	SPARE	X	X					2.8 Nm
L2-4	SPARE	X	X					2.8 Nm
L2-5	STAIR CASE DUCT HEATER	X	X		X	X		2.8 Nm
L2-6	MESSROOM & GALLEY DUCT HEATER	X	X		X	X		2.8 Nm
L2-7	BRIDGE DUCT HEATER	X	X		X	X		2.8 Nm
L2-8	COMMAND CENTRE DUCT HEATER	X	X		X	X		2.8 Nm
L2-9	SUPPLY BOX / HEATERS (4 COMPARTEMENTS)	X	X		X	X		2.8 Nm
L2-10	SUPPLY BOX / HEATERS (7 COMPARTEMENTS)	X	X		X	X		2.8 Nm
L2-11	SPARE	X	X					
L2-12	FANS DISTRIBUTION	X	X		X	X		
L2-13	SPARE	X	X					2.8 Nm
L2-14	DISHWASHER	X	X	X	X	X	X	2.8 Nm

Équipements	Détails	Dessin	Dessin	Dessin	Tous			Valeur de couple
		DP03AA	DP03AB	DP03AC	Vis			
FUSE	ALL CONNECTION ON FUSE HOLDER	X	X	X				0.6 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR	X		X				1.7 Nm
CONTACTOR	AUXILIARY CONTACT BLOCK, SIDE MOUNTING			X				0.8 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK			X				
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE				X			1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE				X			2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE				X			3.4 Nm

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	PANNEAU L3		120Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN SPLITTER (FSPDB2C)	X	X	X	X	X	X	Input 9 Nm Output 3.9 Nm
L3-1	SOCKET TOP DK. FWD. PS.	X	X		X	X		2.8 Nm
L3-2	SOCKET TOP DK. FWD. STB.	X	X		X	X		2.8 Nm
L3-3	SOCKET TOP DK. AFT. PS.	X	X		X	X		2.8 Nm
L3-4	SOCKET TOP DK. AFT. STB.	X	X		X	X		2.8 Nm
L3-5	NORMAL LIGHTING COMMAND CENTER	X	X		X	X		2.8 Nm
L3-6	SOCKETS FROM BRIDGE (CHART TABLE, GMDSS AND CELL PH. CHARGER)	X	X		X	X		2.8 Nm
L3-7	SOCKET FROM COMMAND CENTER (INCIDENT COMMANDER & STB TABLE)	X	X		X	X		2.8 Nm
L3-8	SOCKETS FROM BRIDGE AND COMMAND CENTRE	X	X		X	X		2.8 Nm
L3-9	SPARE	X	X					2.8 Nm
L3-10	SEARCHLIGHT STB.	X	X		X	X		2.8 Nm
L3-11	FLOODLIGHT BRIDGEDECK PS (AFT AREA)	X	X		X	X		2.8 Nm
L3-12	FLOODLIGHT BRIDGEDECK STB (AFT AREA)	X	X		X	X		2.8 Nm
L3-13	SOCKET RADAR ANTENNA TOP DK. PS	X	X		X	X		2.8 Nm
L3-14	NORMAL LIGHTING BRIDGE	X	X		X	X		2.8 Nm
L3-15	FIRE DETECTION CONTROL UNIT	X	X		X	X		2.8 Nm
L3-16	SOCKETS FOR FR.21 PS & STB BRIDGE	X	X		X	X		2.8 Nm
L3-17	POWER SUPPLY SATELLITE ANTENNA/CONTROL UNIT-CANCEL	X	X		X	X		2.8 Nm
L3-18	SPARE	X	X					2.8 Nm
L3-19	FLOODLIGHT FR31. BRIDGE DECK	X	X		X	X		2.8 Nm
L3-20	SOCKETS FOR FLOODLIGHTS FR.9 MAIN DECK PS/STB	X	X		X	X		2.8 Nm
L3-21	SPARE	X	X					2.8 Nm
L3-22	SPARE	X	X					2.8 Nm

Équipements	Détails	Dessin	Dessin	Tous				Valeur de couple
		DP03BA	DP03BB	Vis				
FUSE	ALL CONNECTION ON FUSE HOLDER	X						0.6 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR	X	X					1.7 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X						
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE			X				1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE			X				2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE			X				3.4 Nm

 ÉLECTRONIQUE EN INNOVATION & MARITIME	RAPPORT DE COUPLE DE SERRAGE			
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	PANNEAU L4		120Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN SPLITER (FSPDB2C)	X	X	X	X	X	X	Input 9 Nm Output 3.9 Nm
L4-1	SOCKET FOR REFRIGERATOR GALLEY	X	X		X	X		2.8 Nm
L4-2	SOCKET FOR FOOD PROCESSOR GALLEY	X	X		X	X		2.8 Nm
L4-3	SOCKET FOR DEEP FRYER GALLEY	X	X		X	X		2.8 Nm
L4-4	SOCKET FOR REFRIGERATOR MESSROOM	X	X		X	X		2.8 Nm
L4-5	SOCKET FOR MICROWAVE AVEN, MESSROOM	X	X		X	X		2.8 Nm
L4-6	SOCKET FOR TOASTER MESSROOM	X	X		X	X		2.8 Nm
L4-7	SPARE	X	X					2.8 Nm
L4-8	SPARE	X	X					2.8 Nm
L4-9	SOCKET FOR REFRIGERATOR CABINS (CAPT. & CHIEF ENG.)	X	X		X	X		2.8 Nm
L4-10	SOCKET FOR COFFEE MAKER MESSROOM	X	X		X	X		2.8 Nm
L4-11	SOCKET FOR SOUP WARMER MESSROOM	X	X		X	X		2.8 Nm
L4-12	SOCKET FOR MIXER GALLEY	X	X		X	X		2.8 Nm

Équipements	Détails	Tous						Valeur de couple
		Vis						
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE	X						1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE	X						2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE	X						3.4 Nm

 ÉLECTROTECHNIQUES INDUSTRIELLES & MARITIMES	RAPPORT DE COUPLE DE SERRAGE			
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	PANNEAU L5		120Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN SPLITER (FSPDB2C)	X	X	X	X	X	X	Input 9 Nm Output 3.9 Nm
L5-1	LIGHTING IN FREEZER, GALLEY, DRYFD, REFRIGERATOR, WET GEAR, TRASH COMP, EMCY GEN, WASHROOM, MESS RM, PASSAGEWAYS AND STAIRWAY	X	X		X	X		2.8 Nm
L5-2	LIGHTING IN ELECTRO. EQUIP. RM, FR.26 STB, CAPT. CABIN, CH. ENG. CABIN, INCIDENT COMM. CABIN, HVAC ROOM, DK EQUIP. LOCKER AND FUEL OIL SPILL LOCKER	X	X		X	X		2.8 Nm
L5-3	MIRROR AND WALL LAMPS IN ACCOMMODATIONS	X	X		X	X		2.8 Nm
L5-4	SOCKET-OPEN M.DK. FR.28 PS	X	X		X	X		2.8 Nm
L5-5	SOCKET-OPEN M.DK. FR.21 & 12 STBD	X	X		X	X		2.8 Nm
L5-6	OPEN MAIN DECK PS & STB LIGHTING	X	X		X	X		2.8 Nm
L5-7	SOCKET-OPEN M.DK. FR.28 STBD	X	X		X	X		2.8 Nm
L5-8	SOCKET - MESS ROOM PORT	X	X		X	X		2.8 Nm
L5-9	SOCKET-OPEN M.DK. FR.33 PS & STB	X	X		X	X		2.8 Nm
L5-10	LINEN/LAUNDRY LOCKER, MCR, 2ND ENG CABIN AND 2P CABINS ON BELOW M.DK.	X	X		X	X		2.8 Nm
L5-11	FR.29 STB, LOCKER, STEWARD LOCKER, FR.29 PS AND BOW THRUSTER ON BELOW MAIN DECK	X	X		X	X		2.8 Nm
L5-12	SOCKETS - MESS ROOM FORWARD BULKHEAD STBD	X	X		X	X		2.8 Nm
L5-13	BED LAMPS ON BELOW M.DK. & MAIN DECK	X	X		X	X		2.8 Nm
L5-14	SOCKETS-LANDRY AND PASSAGEWAY BELOW MAIN DECK	X	X		X	X		2.8 Nm
L5-15	SOCKET-MCR BELOW MAIN DECK	X	X		X	X		2.8 Nm
L5-16	SOCKETS-2ND ENG. AND 2P CABINS BELOW MAIN DECK	X	X		X	X		2.8 Nm
L5-17	SOCKETS 1P & 2P CABINS BELOW MAIN DECK	X	X		X	X		2.8 Nm
L5-18	SOCKETS-EER AND CAPT. CABIN MAIN DECK	X	X		X	X		2.8 Nm
L5-19	SOCKETS-INCIDENT COMM. AND CHIEF ENG. CABIN MAIN DECK	X	X		X	X		2.8 Nm
L5-20	SOCKETS-PASSAGEWAY, HVAC ROOM AND DECK EQUIPEMENT LOCKER MAIN DECK	X	X		X	X		2.8 Nm
L5-21	SOCKET FOR WORKBENCH EMCY DG ROOM, MAIN DECK	X	X		X	X		2.8 Nm
L5-22	SOCKETS 2P CABIN PS AND 2P CABIN STBD BELOW MAIN DECK	X	X		X	X		2.8 Nm
L5-23	SPARE	X	X					2.8 Nm
L5-24	SOCKET-OPEN M.DK. FRS.10-11 STB	X	X		X	X		2.8 Nm
L5-25	SOCKET-OPEN M.DK. FRS.21 & 12 PS	X	X		X	X		2.8 Nm
L5-26	SPARE	X	X					2.8 Nm

Équipements	Détails	Tous						Valeur de couple
		Vis						
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE	X						1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE	X						2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE	X						3.4 Nm

 ÉLECTRONIQUES INDUSTRIELLES & MARITIMES	RAPPORT DE COUPLE DE SERRAGE			
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	PANNEAU E1		120Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN SPLITER (FSPDB2C)	X	X	X	X	X	X	Input 9 Nm Output 3.9 Nm
E1-1	ECHOSOUNDER TRANSCIVER	X	X		X	X		2.8 Nm
E1-2	POWER OVER ETHERNET ADAPTER (JB)	X	X		X	X		2.8 Nm
E1-3	EMAIL-AT-SEA	X	X		X	X		2.8 Nm
E1-4	ELECTRONIC CHART JB	X	X		X	X		2.8 Nm
E1-5	RADAR X-BAND ISOLATION SWITCH	X	X		X	X		2.8 Nm
E1-6	RADAR S-BAND UPS ISOLATION SWITCH	X	X		X	X		2.8 Nm
E1-7	SPARE	X	X					2.8 Nm
E1-8	CCTV CONTROLLER (EER)	X	X		X	X		2.8 Nm
E1-9	WIRELESS PAGER TRANSMITTER	X	X		X	X		2.8 Nm
E1-10	FIRE DETECTION CONTROL UNIT	X	X		X	X		2.8 Nm
E1-11	GYROCOMPASS	X	X		X	X		2.8 Nm
E1-12	SOCKET FOR MCR PRINTER	X	X		X	X		2.8 Nm
E1-13	SEARCHLIGHT PS.	X	X		X	X		2.8 Nm
E1-14	SOCKET FOR SATELLITE CONNECTIVITY ADAPTER	X	X		X	X		2.8 Nm
E1-15	EM/CY DG COMP. FAN	X	X		X	X		2.8 Nm
E1-16	RECTIFIER FOR BATTERY BACK-UP SYSTEM	X	X		X	X		2.8 Nm
E1-17	SPARE	X	X					2.8 Nm
E1-18	RED LIGHTING (STAIRS, PASSAGEWAY, MESSROOM)	X	X		X	X		2.8 Nm
E1-19	PORT SERVER	X	X		X	X		2.8 Nm
E1-20	ECS DISPLAY BRIDGE WING PS	X	X		X	X		2.8 Nm
E1-21	ECS DISPLAY BRIDGE WING STBD	X	X		X	X		2.8 Nm
E1-22	SPARE	X	X					2.8 Nm
E1-23	UPS FOR LAN	X	X		X	X		2.8 Nm
E1-24	CELLULAR PHONE TERMINAL	X	X		X	X		2.8 Nm
E1-25	SATELLITE ANTENNA EMAIL-AT-SEA	X	X		X	X		2.8 Nm
E1-26	RADIOCOMMUNICATION CABINET, EER	X	X		X	X		2.8 Nm
E1-27	RADIO COMMUNICATION CABINET COMMANDE CENTER	X	X		X	X		2.8 Nm
E1-28	REMOTE RADAR PCIO UNIT COMMAND CENTER CANCEL	X	X		X	X		2.8 Nm
E1-29	SPARE	X	X					2.8 Nm
E1-30	HEATER FOR SOUND POWERED TELEPHONES (JB)	X	X		X	X		2.8 Nm
E1-31	FLASHING BEACONS FOR GENERAL ALARM SYSTEM	X	X		X	X		2.8 Nm
E1-32	FLASHING BEACONS FOR AUTOMATIC TELEPHONES	X	X		X	X		2.8 Nm
E1-33	SHORE CONNECTION BOX AUTOMATIC TELEPHONES	X	X		X	X		2.8 Nm
E1-34	HEATER FOR BATTERY LOCKER	X	X		X	X		2.8 Nm
E1-35	SPARE	X	X					2.8 Nm
E1-36	CONVERTER FOR ANALOG TO INTERNET PROTOCOL	X	X		X	X		2.8 Nm
E1-37	SPEEDLOG SYSTEM	X	X		X	X		
E1-38	SPARE	X	X					2.8 Nm
E1-39	UPS IMIC 3	X	X		X	X		2.8 Nm

Équipements	Détails	Dessin	Tous					Valeur de couple
		DP03CA	Vis					
FUSE	ALL CONNECTION ON FUSE HOLDER	X						0.6 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR	X						1.7 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X						
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE		X					1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE		X					2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE		X					3.4 Nm


	RAPPORT DE COUPLE DE SERRAGE			
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	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU E2		120Vca, 3ph	

# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN	MAIN SPLITER (FSPDB2C)	X	X	X	X	X	X	Input 9 Nm Output 3.9 Nm
E2-1	SOCKET COMMAND CENTER STBD	X	X		X	X		2.8 Nm
E2-2	SPARE	X	X					2.8 Nm
E2-3	POWER SUPPLY FOR WIPER CONTROL SYSTEM	X	X		X	X		2.8 Nm
E2-4	NAVIGATION LIGHTS CONTROL / MONITORING	X	X		X	X		2.8 Nm
E2-5	ECHOSOUNDER PROCESSOR DISPLAY AND PRINTER	X	X		X	X		2.8 Nm
E2-6	SPARE	X	X					2.8 Nm
E2-7	SPEED LOG	X	X		X	X		2.8 Nm
E2-8	OPEN DECK AREA BRIDGE DECK	X	X		X	X		2.8 Nm
E2-9	FAX MACHINE (CHART TABLE)	X	X		X	X		2.8 Nm
E2-10	SOCKETS FOR CHARGERS PORTABLE RADIOTELEPHONE	X	X		X	X		2.8 Nm
E2-11	SPARE	X	X					2.8 Nm
E2-12	HSPA MODEM	X	X		X	X		2.8 Nm
E2-13	SOCKET 115V, 15A TOP DK. RADAR ANTENNA	X	X		X	X		2.8 Nm
E2-14	STAIR FR.14 TOP DK.: SOCKETS FOR PORTABLE FLOODLIGHTS	X	X		X	X		2.8 Nm
E2-15	CHART LAMP; RED LIGHT BRIDGE & COMMAND CENTER	X	X		X	X		2.8 Nm
E2-16	EMCY LIGHT BRIDGE /COMMAND CENTRE	X	X		X	X		2.8 Nm
E2-17	SPARE	X	X					2.8 Nm
E2-18	SCANNER CONTROL UNIT ANTENNA S BAND	X	X		X	X		2.8 Nm
E2-19	SPARE	X	X					2.8 Nm
E2-20	ELECTRIC WHISTLE	X	X		X	X		2.8 Nm
E2-21	STBD CENTER AND PS HEATED FRONT WINDOWS	X	X		X	X		2.8 Nm
E2-22	SOCKET FOR DAY SIGNALLING LAMP	X	X		X	X		2.8 Nm
E2-23	PORT WING CONSOLE HEATER	X	X		X	X		2.8 Nm
E2-24	STBD WING CONSOLE HEATER	X	X		X	X		2.8 Nm
E2-25	AIR GROUND VHF TRANSCEIVER	X	X		X	X		2.8 Nm
E2-26	CCTV CONTROL STATION/MONITOR BRIDGE	X	X		X	X		2.8 Nm
E2-27	SPARE	X	X					2.8 Nm
E2-28	POWER SUPPLY UNIT MF/HF RADIOTELEPHONE	X	X		X	X		2.8 Nm
E2-29	FRONT CENTER WINDOW WIPER CONTROLS	X	X	X	X	X	X	2.8 Nm
E2-30	LOUDHAILERS	X	X		X	X		2.8 Nm
E2-32	SPARE	X	X					2.8 Nm
E2-33	PS AND STB WINDOWS WIPER CONTROLS	X	X	X	X	X	X	2.8 Nm
E2-34	PS CENTER AND STB HEATED FRONT WINDOWS	X	X		X	X		2.8 Nm
E2-35	BRIDGE & WING CONSOLES	X	X		X	X		2.8 Nm
E2-36	MCR CONSOLE	X	X		X	X		2.8 Nm

Équipements	Détails	Dessin	Tous					Valeur de couple
		DP03DA	Vis					
FUSE	ALL CONNECTION ON FUSE HOLDER	X						0.6 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR	X						1.7 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X						
0421029	ALL GND CLAMPS AKG4GNYE, 20-10 GAUGE		X					1.6 Nm
0423027	ALL GND CLAMPS AKG16GNYE, 16-6 GAUGE		X					2.7 Nm
0424026	ALL GND CLAMPS AKG35GNYE, 14-2 GAUGE		X					3.4 Nm


	RAPPORT DE COUPLE DE SERRAGE		
	Propriétaire:	Garde Côtière Canadienne	Date: 16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision: Rev.01
	LISTE DE COUPLE DE SERRAGE		POUR PANNEAU : L1.

# Modèles	Descriptions	Valeur de couple
S202-Cxx	Breaker 2 Pole, xx amp, C curve Minibreaker Frame 63A	2.8 Nm
S203-Cxx	Breaker 3 Pole, xx amp, C curve Minibreaker Frame 63A	2.8 Nm
S203-Kxx	Breaker 3 Pole, xx amp, K curve Minibreaker Frame 63A	2.8 Nm
S293-D80	Breaker 3 Pole, xx amp, D curve Minibreaker Frame 125A	3 Nm
A30-30-10-84	Contacteur 120Vac, 50A	1.7 Nm
A30-30-10-80	Contacteur 240Vac, 50A	1.7 Nm
A9-30-10-80	Contacteur 120Vac; 10A	1 Nm
1SVR 630 670 R0200	Insulation fault detector, #CM-IWS.2	0.7 Nm
2SFT101	Current Transformer 100:5	N/A
5SFT301	Current Transformer 300:5	N/A
007-05GA-RXR	Voltmeter 0-300Vac Red line at 240V Techsol logo	N/A
007-05FA-LSPK-C7-SR	Ammeter 0-100Aac Red line at 72A Techsol logo	N/A
007-05GA-PZPZ	Voltmeter 0-150Vac Red line at 120V Techsol logo	N/A
007-05FA-LSRX	Ammeter 0-300Aac Red line at 216A Techsol logo	N/A
3004249	Fuse Holder Phoenix, UK6,3-HESILA 250	1.3 Nm
S9-M	Base relay 4 poles Releco	1.1 Nm
3074088	Terminal Block With Screw (UTI-35)	2.5 Nm
ON... serie	Cam Switch Abb	1.1 Nm
2130033	Main Connection L1-L2-L3 (UHV150-AS/AS)	27 Nm
ABB Light	Led 24Vdc-120Vac red, green, blue,white, yellow	N/A

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU L1		120Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN CON. (UHV150-AS/AS)	From 120V Transformer "T2"	X	X	X	X	X	X	27 Nm
L1-20	Battery Charger Battery Back-up System	X	X		X	X		2.8 Nm
L1-21	Battery Charger Automation UPS_A	X	X		X	X		2.8 Nm
L1-22	Socket Aft Working Area Main Deck (Fr. 0)	X	X		X	X		2.8 Nm
L1-23	Light Stair Below Main Deck & Main Deck	X	X		X	X		2.8 Nm
L1-24	Sockets: -Steering Gear -AMR, -MMR, -Fore,	X	X		X	X		2.8 Nm
L1-25	Lights: -Steering Gear, -1/2 AMR, -1/2 MMR,	X	X		X	X		2.8 Nm
L1-26	Lights: -Steering Gear, -1/2 AMR, -1/2 MMR,	X	X		X	X		2.8 Nm
L1-27	Navigation Lights Panel (Bridge Console)	X	X		X	X		2.8 Nm
L1-28	Battery Charger Automation UPS_B	X	X		X	X		2.8 Nm
L1-29	"L3" Distribution Panel 120V	X	X	X	X	X	X	3 Nm
L1-30	"L4" Distribution Panel 120V (Galley & Mess Equipment)	X	X	X	X	X	X	2.8 Nm
L1-31	Bridge Aft Heated Windows PS-005, STB-006	X	X	X	X	X	X	2.8 Nm
L1-32	Trash Compactor	X	X		X	X		2.8 Nm
L1-33	"L5" Distribution Panel 120V (Lighting Equipments)	X	X	X	X	X	X	3 Nm
L1-34	Spare	X	X					2.8 Nm
L1-35	Actuator for Cyclone Filter Purging Valve ctrl Panel	X	X		X	X		2.8 Nm
L1-36	Spare	X	X	X				2.8 Nm
L1-37	Bridge Aft Heated Windows PS-006, STB-005	X	X	X	X	X	X	2.8 Nm

Équipements	Détails	Dessin	Dessin	Dessin	Dessin	Dessin		Valeur de couple
		SB16AA	SB16AB	SB16BA	SB16CA	SB00HA		
CONTACTOR	ALL CONNECTION ON CONTACTOR	X			X			1.7 Nm
RELA	ALL CONNECTION ON RELAI			X				1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER			X	X			1.3 Nm
METER	ALL CONNECTION ON VOLTMETER & AMMETER			X				
GND DETECTOR	ALL CONNECTION ON GND FAULT DETECTOR			X				0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH			X				1.1 Nm
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT			X		X		
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER			X				
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK				X	X		

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU L1 Bus A		240Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN CONNECTION (UTI-35)	From 240V Transformer "T1"	X	X	X	X	X	X	2.5 Nm
L1-2	"L2" Distribution Panel	X	X	X	X	X	X	2.8 Nm
L1-3	Socket AFT Working Area (PS Fr. 8-9)	X	X	X	X	X	X	2.8 Nm
L1-4	Socket AFT Working Area (STBD Fr. 8-9)	X	X	X	X	X	X	2.8 Nm
L1-5	Socket Fore Working Area STBD Fr. 10, Main Deck	X	X	X	X	X	X	2.8 Nm
L1-6	Socket AFT MMR	X	X		X	X		2.8 Nm
L1-7	Socket Fore MMR	X	X		X	X		2.8 Nm
L1-8	Bow Thruster Room Fan	X	X		X	X		2.8 Nm
L1-9	UV Sterilizer	X	X		X	X		2.8 Nm
L1-10	IICS Main Cabinet (Integrated Internal Communication System)	X	X		X	X		2.8 Nm
L1-11	Seawage Treatment Plant	X	X		X	X		2.8 Nm
L1-12	Socket Galley	X	X		X	X		2.8 Nm
L1-13	Steering Gear Room Fan	X	X		X	X		2.8 Nm
L1-14	Exhaust Fan AMR	X	X	X	X	X	X	2.8 Nm
L1-15	Exhaust Fan MMR	X	X	X	X	X	X	2.8 Nm
L1-16	Gray Water Transfer Pump	X	X		X	X		2.8 Nm
L1-17	Scientific Freezer	X	X		X	X		2.8 Nm
L1-18	SPARE	X	X	X				2.8 Nm

Équipements	Détails	Dessin	Dessin	Dessin	Dessin			Valeur de couple
		SB15AA	SB15AB	SB15BA	SB15CA			
CONTACTOR	ALL CONNECTION ON CONTACTOR	X			X			1 Nm
RELAJ	ALL CONNECTION ON RELAJ			X				1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER			X	X			1.3 Nm
METER	ALL CONNECTION ON VOLTMETER & AMMETER			X				
GND DETECTOR	ALL CONNECTION ON GND FAULT DETECTOR			X				0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH			X				1.1 Nm
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT			X				
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER			X				
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK				X			


	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU L1 Bus B & C		240Vca, 3ph	

# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN CONNECTION (UTI-35)	From 240V Transformer "T3"	X	X	X	X	X	X	2.5 Nm
L1-40	From Bus "B" to Bus "C"	X	X	X	X	X	X	2.8 Nm
L1-41	Cooking Range	X	X	X	X	X	X	2.8 Nm
L1-42	Spare	X	X					2.8 Nm
L1-43	Spare	X	X					2.8 Nm
L1-44	Transformer Cooktop Induction Plate	X	X	X	X	X	X	2.8 Nm
L1-45	Spare	X	X	X				2.8 Nm
L1-46	Food Waste Disposer	X	X		X	X		2.8 Nm
L1-47	Scientist Freezer	X	X	X	X	X		2.8 Nm
L1-48	Spare	X	X					2.8 Nm
L1-49	FW Hydrophore Pump #1	X	X		X	X		2.8 Nm
L1-50	FW Hydrophore Pump #2	X	X		X	X		2.8 Nm
L1-51	"P5" Convection Heater Distribution Panel	X	X	X	X	X	X	2.8 Nm
L1-52	Spare	X	X					2.8 Nm
L1-53	Laundry Load Centre	X	X	X	X	X	X	2.8 Nm


Équipements	Détails	Dessin	Dessin	Dessin	Dessin			Valeur de couple
		SB15DA	SB15DB	SB15EA	SB15FA			
CONTACTOR	ALL CONNECTION ON CONTACTOR	X			X			1.7 Nm
RELA	ALL CONNECTION ON RELAI			X				1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER			X	X			1.3 Nm
METER	ALL CONNECTION ON VOLTMETER & AMMETER			X				
GND DETECTOR	ALL CONNECTION ON GND FAULT DETECTOR			X				0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH			X				1.1. Nm
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT			X				
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER			X				
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK				X			

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	LISTE DE SERRAGE DE COUPLE		POUR LE PANNEAU : TABLEAU DE DISTRIBUTION PRINCIPAL	


# Modèles	Descriptions	Valeur de couple
ON... serie	Cam Switch Abb	1.1 Nm
T4N250CW	Bkr. 250Af, LSI trip (Gen 1 & 2)	25 Nm
T3N200TW	Bkr 200A, (Shore power)	21 Nm
T3S225TW	Bkr 225A (Tie)	21 Nm
T2S060BW	Bkr. 100Af, 60A LS/I trip	5.5 Nm
T2S100BW	Bkr. 100Af, 100A LS/I trip	5.5 Nm
T1N015TL	Breaker 100A Frame	7 Nm
PPU-3	Deif Synchronising & Load sharing module	0.5 Nm
3004249	Fuse Holder Phoenix, UK6,3-HESILA 250	1.3 Nm
3048399	Fuse Holder Phoenix, UK10,3-HESILED N 690	2.7 Nm
S9-M	Base relay 4 poles Releco	1.1 Nm
A9-40-00-84	Contacteur 120Vac; 10A	1 Nm
CAF6-11K	Cont. Aux. pour contacteur K6	0.8 Nm
1SVR 630 040 R3300	Multi-function Timer (CT-WBS.22)	0.7 Nm
1SVR 630 670 R0200	Insulation fault detector, #CW-IWS.2	0.7 Nm
467-600	Potential Transformer 600V/120; 40Va	N/A
252-PVR	Phase Sequence Relay 120V; 60Hz	N/A
TMB0250UE	Control transformer, 250Va: 600/120V	N/A
TMB0100UE	Control transformer, 100Va; 600/120V	N/A
M-60-5A-P2	Power Meter ACCUVIM + Din Rail 400VAC, Aux Supply 24VDC	N/A
2866268	Power Supply 120/24, TRIO-PS/1AC/24DC/2.5	N/A
2891152	Ethernet Sw, 5 ports	N/A
ABB Light	Led 24Vdc-120Vac red, green, blue,white, yellow	N/A
ABB Contact	NO & NC contact	N/A
HAS-111DG-24VDC-B1-D-E	Deif Synchro check relay module	N/A
GP500-G	Generator insulation Fault Monitor Mega Alert	N/A
SB-150B-24	Converter 24VDC-24VDC	N/A
T7900.0010	Electronic Potentiometer, 24Vdc	N/A
KTR1-1005	Mini-transformer 600/6V	N/A
TMH-017	Module for Bus GND Detector	N/A
IC200CHS022	PLC Base	N/A
IC200PWR002	PLC Power Supply	N/A
IC200754VSL06CTB	Quick Panel View, 6in TFT Color, Loaded	N/A

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL : GÉNÉRATRICE TRIBORD		PUISSANCE & CONTRÔLE	


# de Circuits	Équipements	Dessin	Dessin	Dessin	Dessin	Dessin	Dessin	Valeur de couple
		SB01AA	SB01BA	SB01CA	SB01DA	SB01EA	SB01FA	
MAIN BREAKER	ALL CONNECTION ON MAIN BREAKER (CB-GEN1)	X						25 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR					X		1.7 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK		X					0.8 Nm
RELAJ	ALL CONNECTION ON RELAJ		X	X		X		1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X	X	X		X		1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X						2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION		X					0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH	X						1.1. Nm
DEIF	ALL CONNECTION ON DEIF	X		X				0.5 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X	X	X	X	X	
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT		X	X		X		
ALL METER	ALL CONNECTION ON ALL MESURING METER	X			X			
ACUVIM	ALL CONNECTION ON ACUVIM	X						
P.T.	ALL CONNECTION ON P.T.	X						
TXFO	ALL CONNECTION ON TXFO	X						
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER	X						
POWER SUPPLY	ALL CONNECTION ON POWER SUPPLY	X						
GP500-G GND DETEC.	ALL CONNECTION ON MEGA ALERT GND DETECTOR		X		X			
ELEC. POT.	ALL CONNECTION ON ELECTRONIC POTENTIOMETER					X		

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL : GÉNÉRATRICE BÂBORD		PUISSANCE & CONTRÔLE	

# de Circuits	Équipements	Dessin	Dessin	Dessin	Dessin	Dessin	Dessin	Valeur de couple
		SB02AA	SB02BA	SB02CA	SB02DA	SB02EA	SB02FA	
MAIN BREAKER	ALL CONNECTION ON MAIN BREAKER (CB-GEN2)	X						25 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR					X		1.7 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK		X					0.8 Nm
RELAJ	ALL CONNECTION ON RELAJ		X	X		X		1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X	X	X		X		1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X						2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION		X					0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH	X						1.1. Nm
DEIF	ALL CONNECTION ON DEIF	X		X				0.5 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X	X	X	X	X	
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT		X	X		X		
ALL METER	ALL CONNECTION ON ALL MESURING METER	X			X			
ACUVIM	ALL CONNECTION ON ACUVIM	X						
P.T.	ALL CONNECTION ON P.T.	X						
TXFO	ALL CONNECTION ON TXFO	X						
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER	X						
POWER SUPPLY	ALL CONNECTION ON POWER SUPPLY	X						
GP500-G GND DETEC.	ALL CONNECTION ON MEGA ALERT GND DETECTOR		X		X			
ELEC. POT.	ALL CONNECTION ON ELECTRONIC POTENTIOMETER					X		


	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL : ALIMENTATION		PUISSANCE & CONTRÔLE	

# de Circuits	Équipements	Dessin	Dessin	Dessin				Valeur de couple
		SB04AA	SB04BA	SB04BB				
MAIN BREAKER	ALL CONNECTION ON MAIN BREAKER (CB-SP "A")	X						21 Nm
MAIN BREAKER	ALL CONNECTION ON MAIN BREAKER (CB-SP "B")	X						21 Nm
RELAJ	ALL CONNECTION ON RELAJ	X	X	X				1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X	X					1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X						2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION ON GND FAULT DETECTOR & TIMER		X					0.7 Nm
CAM SWITCH	ALL CONNECTION	X						1.1. Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X						
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT		X	X				
ALL METER	ALL CONNECTION ON ALL MESURING METER	X						
P.T.	ALL CONNECTION ON P.T.	X						
TXFO	ALL CONNECTION ON TXFO	X						
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER	X						
252-PVR MODULE	ALL CONNECTION ON PHASE SEQUENCE MODULE	X	X					


 ÉLECTROTECHNIQUES INDUSTRIELLES & MARITIMES	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL PRINCIPAL & TIE BREAKER		PUISSANCE & CONTRÔLE	

# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN BREAKER	Breaker CB-TIE	X	X	X	X	X	X	21 Nm
2Q04	Transformer "T1" ("L1" Distribution Panel)	X	X	X	X	X	X	5.5 Nm
2Q05	Emergency SWBD	X	X	X	X	X	X	5.5 Nm
2Q06	Transformer "T2" ("L1" Distribution Panel)	X	X	X	X	X	X	5.5 Nm
3Q02	Transformer "T1" ("L1" Distribution Panel)	X	X	X	X	X	X	5.5 Nm
3Q03	Emergency SWBD	X	X	X	X	X	X	5.5 Nm
3Q04	Transformer "T2" ("L1" Distribution Panel)	X	X	X	X	X	X	5.5 Nm
SHORE BREAKER	Breaker CB-SP(A)	X	X	X	X	X	X	21 Nm
SHORE BREAKER	Breaker CB-SP(B)	X	X	X	X	X	X	21 Nm
STBD GEN BREAKER	Breaker CB-GEN1	X	X	X	X	X	X	21 Nm
PORT GEN BREAKER	Breaker CB-GEN2	X	X	X	X	X	X	21 Nm


Équipements	Détails	Dessin	Dessin	Dessin	Dessin	Dessin		Valeur de couple
		SB05AA	SB05AB	SB05BA	SB05CA	SB05EA		
RELAJ	ALL CONNECTION ON RELAJ			X	X	X		1.1 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR		X					1.7 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK		X					0.8 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3		X		X			1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3		X					2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION ON GND FAULT DETECTOR & TIMER		X					0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH			X				1.1. Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK		X	X	X	X		
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT		X	X		X		
ALL METER	ALL CONNECTION ON ALL MESURING METER			X				
P.T.	ALL CONNECTION ON P.T.		X					
GND INDICATION LIGHT / TXFO	ALL CONNECTION ON MINI-TRANSFORMER 600/6Vac		X					
HAS-111DG	ALL CONNECTION ON DEIF SYNCHRO CHECK RELAY MODULE				X			
TMH-017	ALL CONNECTION ON MODULE		X					

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL : TABLEAU DE DISTRIBUTION TRIBORD		600Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
1Q01	Hot Water Circulation Pump (B.T. Room)	X	X	X	X	X	X	7 Nm
1Q02	Spare	X	X	X				7 Nm
1Q04	CPP STBD Press. Maintaining Pump	X	X	X	X	X	X	7 Nm
1Q05	Spare	X	X	X				7 Nm
1Q06	Spare	X	X	X				7 Nm
1Q10	Steering Gear STBD Pump #1	X	X	X	X	X	X	7 Nm
1Q11	CPP STBD Main Pump	X	X	X	X	X	X	7 Nm
1Q13	Reverse Osmosis System (BT Room)	X	X	X	X	X	X	7 Nm
1Q14	P1-Blast Heater Distribution Panel	X	X	X	X	X	X	7 Nm
1Q15	Spare	X	X	X				7 Nm
1Q17	Spare	X	X	X				7 Nm
1Q18	Condensation Unit (HVAC) Control Panel	X	X	X	X	X	X	7 Nm
1Q19	Inline Heater	X	X	X	X	X	X	7 Nm
1Q20	Spare	X	X	X				7 Nm
1Q21	Humidifier	X	X	X	X	X	X	7 Nm
1Q24	Spare	X	X	X				7 Nm
1Q25	Spare	X	X	X				7 Nm
1Q26	Spare	X	X	X				7 Nm

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL : TABLEAU DE DISTRIBUTION BÂBORD		600Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
4Q02	CPP Port Main Pump	X	X	X	X	X	X	7 Nm
4Q03	Spare	X	X	X				7 Nm
4Q06	Vaccum System Unit (240V)	X	X	X	X	X	X	7 Nm
4Q07	Coalescer Filter Control Panel	X	X	X	X	X	X	7 Nm
4Q08	Steering Port Side Pump #1	X	X	X	X	X	X	7 Nm
4Q09	Spare	X	X	X				7 Nm
4Q10	Spare	X	X	X				7 Nm
4Q12	Reverse Osmosis System (B.T. Room)	X	X	X	X	X	X	7 Nm
4Q13	Spare	X	X	X				7 Nm
4Q14	Air Compressor #1 (AMR)	X	X	X	X	X	X	7 Nm
4Q15	Hot Water Heater (BT Room)	X	X	X	X	X	X	7 Nm
4Q17	P2- Blast Heater Panel	X	X	X	X	X	X	7 Nm
4Q18	Spare	X	X	X				7 Nm
4Q19	Transformer T3	X	X	X	X	X	X	7 Nm
4Q20	DK Mach. Syst. (Integrated Hydr. Syst.)	X	X	X	X	X	X	7 Nm
4Q21	AHU Control Panel (31.6Kw) Duct. Heater HVAC (26Kw)	X	X	X	X	X	X	7 Nm
4Q22	CPP Port Side Press. Maintaining Pump	X	X	X	X	X	X	7 Nm
4Q26	Spare	X	X	X				7 Nm

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL PLC		Contrôle	


# de Circuits	Équipements	Dessin	Dessin	Dessin	Dessin	Dessin	Valeur de couple
		SB00HA	SB10AA	SB10BA	SB10BB	SB10CA	
RELAJ	ALL CONNECTION ON RELAJ			X	X	X	1.1 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK			X	X		0.8 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X	X	X			1.3 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION ON GND FAULT DETECTOR & TIMER				X		0.7 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X				
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT	X		X	X		
DC/DC	ALL CONNECTION		X				
GP500-G GND DETEC.	ALL CONNECTION ON MEGA ALERT GND DETECTOR			X	X		
PLC BASE	ALL CONNECTION ON PLC BASE			X	X	X	
PLC POWER	ALL CONNECTION ON PLC POWER SUPPLY		X				
QUICK PANEL	ALL CONNECTION ON QUICK PANEL		X				
ETHERNET SWITCH	ALL CONNECTION ON ETHERNET SWITCH		X				

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:		Garde Côtière Canadienne	
	Date:		15-Feb-16	
	Nom du bateau:		Caporal Kaebler V.C.	
		Révision:		Rev.01
LISTE DE COUPLE DE SERRAGE			POUR PANNEAU : PANNEAU DE DISTRIBUTION D'URGENCE	


# Modèles	Descriptions	Valeur de couple
ON... serie	Cam Switch Abb	1.1 Nm
T4N250CW	Bkr. 250Af, LSI trip (Egen)	25 Nm
T2S100BW	Bkr. 100Af, 100A LSI trip	5.5 Nm
T1N015TL	Breaker 100A Frame	7 Nm
3004249	Fuse Holder Phoenix, UK6,3-HESILA 250	1.3 Nm
3048399	Fuse Holder Phoenix, UK10,3-HESILED N 690	2.7 Nm
S9-M	Base relay 4 poles Releco	1.1 Nm
A9-30-10-84	Contacteur 120Vac; 10A	1 Nm
K6-22Z-84	Contacteur 120Vac; 10A	1 Nm
CA5-22M	4 poles aux. contact block	1 Nm
1SVR 630 040 R3300	Multi-function Timer (CT-WBS.22)	0.7 Nm
1SVR 630 670 R0200	Insulation fault detector, #CW-IWS.2	0.7 Nm
S293-Dxx	Breaker 3 Pole, xx amp, D curve Minibreaker Frame 125A	3 Nm
S202-Cxx	Breaker 3 Pole, xx amp, C curve Minibreaker Frame 63A	2.8 Nm
S202-Kxx	Breaker 3 Pole, xx amp, K curve Minibreaker Frame 63A	2.8 Nm
S203-Cxx	Breaker 3 Pole, xx amp, C curve Minibreaker Frame 63A	2.8 Nm
S203-Kxx	Breaker 3 Pole, xx amp, K curve Minibreaker Frame 63A	2.8 Nm
467-600	Potential Transformer 600V/120; 40Va	N/A
252-PVK	Undervoltage Relay 120Vac 3PH; 60Hz	N/A
TMB0500UE	Control transformer, 500Va: 600/120V	N/A
TMB0100UE	Control transformer, 100Va: 600/120V	N/A
M-60-5A-P2	Power Meter ACCUVIM + Din Rail 400VAC, Aux Supply 24VDC	N/A
2866268	Power Supply 120/24, TRIO-PS/1AC/24DC/2.5	N/A
ABB Light	Led 24Vdc-120Vac red, green, blue,white, yellow	N/A
ABB Contact	NO & NC contact	N/A
GP500-G	Generator insulation Fault Monitor Mega Alert	N/A
SB-150B-24	Converter 24VDC-24VDC	N/A
KTR1-1005	Mini-transformer 600/6V	N/A
TMH-017	Module for Bus GND Detector	N/A
IC200CHS002	PLC Base	N/A
IC200PWR002	PLC Power Supply	N/A

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION GÉNÉRALE D'URGENCE		Puissance & Contrôle	


# de Circuits	Équipements	Dessin	Dessin	Dessin	Dessin			Valeur de couple
		SB11AA	SB11BA	SB11BD	SB11BE			
MAIN BREAKER	ALL CONNECTION ON MAIN BREAKER (CB-EGEN)	X						25 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR				X			1 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK		X					1 Nm
RELAJ	ALL CONNECTION ON RELAJ		X		X			1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X			X			1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X						2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION		X					0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH	X	X		X			1.1. Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X	X	X			
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT		X		X			
ALL METER	ALL CONNECTION ON ALL MESURING METER	X						
ACUVIM	ALL CONNECTION ON ACUVIM	X						
P.T.	ALL CONNECTION ON P.T.	X						
TXFO	ALL CONNECTION ON TXFO	X						
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER	X						
252-PVK	ALL CONNECTION ON UNDERVOLTAGE RELAY	X	X					
GP500-G GND DETEC.	ALL CONNECTION ON MEGA ALERT GND DETECTOR		X	X				

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION D'URGENCE BUS & TIE		Power & Control	


# de Circuits	Équipements	Dessin	Dessin	Dessin	Dessin			Valeur de couple
		SB11CA	SB11CB	SB11CE	SB11FA			
MAIN BREAKER	ALL CONNECTION ON MAIN BREAKER (CB-ETIE)	X						5.5 Nm
CONTACTOR	ALL CONNECTION ON CONTACTOR	X						1 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK							1 Nm
RELAJ	ALL CONNECTION ON RELAJ		X					1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X						1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X						2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION	X	X					0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH	X	X					1.1. Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X	X	X			
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT	X	X					
ALL METER	ALL CONNECTION ON ALL MESURING METER	X						
ACUVIM	ALL CONNECTION ON ACUVIM							
P.T.	ALL CONNECTION ON P.T.							
TXFO	ALL CONNECTION ON TXFO	X						
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER	X						
252-PVK	ALL CONNECTION ON UNDERVOLTAGE RELAY							
GND INDICATION LIGHT / TXFO	ALL CONNECTION ON MINI-TRANSFORMER 600/6Vac	X						
TMH-017	ALL CONNECTION ON MODULE	X						
GP500-G GND DETEC.	ALL CONNECTION ON MEGA ALERT GND DETECTOR							

 ÉLECTRONIQUES INDUSTRIELLES & MARITIMES	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	15-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PLC		Contrôle	

# de Circuits	Équipements	Dessin	Dessin	Dessin				Valeur de couple
		SB00HA	SB12AA	SB12BA				
RELAJ	ALL CONNECTION ON RELAJ			X				1.1 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK			X				1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3		X	X				1.3 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION ON GND FAULT DETECTOR & TIMER			X				0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH			X				1.1 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X					
ABB LIGHT & CONTACT	ALL CONNECTION	X						
DC/DC	ALL CONNECTION ON DC/DC CONVERTER		X					
GP500-G GND DETEC.	ALL CONNECTION ON MEGA ALERT GND DETECTOR			X				
252-PVK	ALL CONNECTION ON UNDERVOLTAGE RELAY			X				
PLC BASE	ALL CONNECTION ON PLC BASE			X				
PLC POWER	ALL CONNECTION ON PLC POWER SUPPLY		X					


	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	17-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION D'URGENCE : TABLEAU DE DISTRIBUTION		600Vca, 3ph	

# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
2Q01	Spare	X	X	X				7 Nm
2Q02	ME Stbd Preheating Pump	X	X	X	X	X	X	7 Nm
2Q03	Spare	X	X	X				7 Nm
2Q04	ME Port Preheating Pump	X	X	X	X	X	X	7 Nm
2Q05	Trailing LO Pump Gear Box Stbd	X	X	X	X	X	X	7 Nm
2Q06	Spare	X	X	X				7 Nm
2Q07	Rescue Boat Davit Electric Winch 4.8Kw HPU Motor 1.5Kw	X	X	X	X	X	X	7 Nm
2Q08	Spare	X	X	X				7 Nm
2Q09	Steering Gear STBD Pump #2	X	X	X	X	X	X	5.5 Nm
2Q10	Steering Gear PORT Pump #2	X	X	X	X	X	X	5.5 Nm
2Q11	Trailing LO Pump Gear Box PORT	X	X	X	X	X	X	7 Nm
2Q12	Emergency Fire Pump	X	X	X	X	X	X	7 Nm
2Q13	Spare	X	X	X				7 Nm
2Q14	Transformer "ET2"	X	X	X	X	X	X	5.5 Nm
2Q15	Spare	X	X	X				7 Nm
2Q16	Air Starting Compressor #2	X	X	X	X	X	X	7 Nm
2Q17	Transformer "ET1"	X	X	X	X	X	X	5.5 Nm
2Q18	Spare	X	X	X				7 Nm

 ÉLECTRONIQUES INDUSTRIELLES & MARITIMES	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	17-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION D'URGENCE : TABLEAU DE DISTRIBUTION		120Vca, 3ph	


# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN CON. (UHV150-AS/AS)	From 120V Emerg. Transformer	X	X	X	X	X	X	27 Nm
3Q01	Emerg. Distribution Panel "E2" Located in BCS (Bridge Console Station)	X	X	X	X	X	X	3 Nm
3Q02	Emerg. Dist. Swbd "E1" Located in Electronic Equipment Room (EER)	X	X	X	X	X	X	3 Nm
3Q03	Rectifier for Automation UPS_B System	X	X	X	X	X	X	2.8 Nm
3Q04	Charger Emerg. Gen. starting Battery	X	X		X	X		2.8 Nm
3Q05	Interface Box (Ex-proof Horn)	X	X		X	X		2.8 Nm
3Q06	CCTV Cameras IR Illuminators	X	X		X	X		2.8 Nm
3Q07	Spare	X	X					2.8 Nm
3Q08	H2S Alarm System	X	X		X	X		2.8 Nm
3Q09	Spare	X	X					2.8 Nm
3Q10	Navigation Lights Panel (BCS)	X	X		X	X		2.8 Nm
3Q11	Rescue Boat Davit Heaters	X	X		X	X		2.8 Nm
3Q12	Rectifier for Automation UPS_A System	X	X		X	X		2.8 Nm
3Q13	Emerg. Lights: -Open Deck, -Fuel Station AFT Main Deck, -Fi-Fi Room FR.1	X	X		X	X		2.8 Nm
3Q14	Emerg. Lights: -Galley, -Dk. Store, -EER, -Pass. Way Main Deck, -Mess Room, -HVAC, -Chief Eng. & Captain Rooms	X	X		X	X		2.8 Nm
3Q15	Emerg. Lights Accommodation Stairs STBD	X	X		X	X		2.8 Nm
3Q16	Spare	X	X					2.8 Nm
3Q17	Emerg. Light: -Steering gear compt, -AMR, -MMR, -MCR, Pass. Way below Main Deck, Bow Thruster Room /Gen. Store,	X	X		X	X		2.8 Nm
3Q18	Sockets for portable, (3x) Floodlights Stair AFT Main Deck, Aft Fr.10 PS/STB, -Transfer Area,	X	X		X	X		2.8 Nm
3Q19	Socket for PS/STB RHIB Rectifier (2x)	X	X		X	X		2.8 Nm
3Q20	Heaters Emerg. Generator	X	X		X	X		2.8 Nm
3Q21	Heaters PS /STB generators	X	X		X	X		2.8 Nm
3Q22	MMR Fixed Fire Fighting Box	X	X		X	X		2.8 Nm
3Q23	Spare	X	X					2.8 Nm
3Q24	RVHF/FM wideband Encryption Transceiver	X	X		X	X		2.8 Nm
3Q25	GMDSS Console	X	X		X	X		2.8 Nm
3Q26	Galley Fixed Fire Fighting Box	X	X		X	X		2.8 Nm
3Q27	Spare	X	X					2.8 Nm
3Q28	Spare	X	X					2.8 Nm
3Q29	VHF/FM Wideband Encryption Transceiver Control	X	X					2.8 Nm
3Q30	Spare	X	X					2.8 Nm

Équipements	Détails	Dessin	Dessin	Dessin	Dessin	Dessin	Valeur de couple
		SB14AA	SB14AB	SB14AC	SB14BA	SB14CA	
CONTACTOR	ALL CONNECTION ON CONTACTOR		X			X	1 Nm
RELA	ALL CONNECTION ON RELAI				X		1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER				X	X	1.3 Nm
METER	ALL CONNECTION ON VOLTMETER & AMMETER				X		
GND DETECTOR	ALL CONNECTION ON GND FAULT DETECTOR				X		0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH				X		1.1. Nm
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT				X		
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER				X		
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK					X	


	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	17-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION D'URGENCE : TABLEAU DE DISTRIBUTION		240Vca, 3ph	

# de Circuits	Équipements	Vis	Vis	Vis	Vis	Vis	Vis	Valeur de couple
		L1	L2	L3	T1	T2	T3	
MAIN CON. (UHV150-AS/AS)	From 240V "ET2" Emerg. Transformer	X	X	X	X	X	X	27 Nm
2Q24	M.E. Stbd Pre-lubricating Pump	X	X	X	X	X	X	2.8 Nm
2Q25	M.E. Port Pre-lubricating Pump	X	X	X	X	X	X	2.8 Nm
2Q26	IICS Main Cabinet (ATS)	X	X		X	X		2.8 Nm
2Q27	Emerg. DG Room Actuators Control Panel	X	X		X	X		2.8 Nm
2Q28	Cold Room Compressor #1	X	X		X	X		2.8 Nm
2Q29	Cold Room Compressor #2	X	X		X	X		2.8 Nm
2Q30	S.W. Cooling Pump	X	X		X	X		2.8 Nm
2Q31	Spare	X	X					2.8 Nm
2Q32	Spare	X	X					2.8 Nm


Équipements	Détails	Dessin	Dessin	Dessin				Valeur de couple
		SB14DA	SB14EA	SB14FA				
CONTACTOR	ALL CONNECTION ON CONTACTOR							1 Nm
RELA	ALL CONNECTION ON RELAI	X	X	X				1.1 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER		X	X				1.3 Nm
METER	ALL CONNECTION ON VOLTMETER & AMMETER		X					
GND DETECTOR	ALL CONNECTION ON GND FAULT DETECTOR		X					0.7 Nm
CAM SWITCH	ALL CONNECTION ON CAM SWITCH		X					1.1. Nm
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT		X					
C.T.	ALL CONNECTION ON CURRENT TRANSFORMER		X					
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK			X				

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:		Garde Côtière Canadienne	
	Date:		16-Feb-16	
	Nom du bateau:		Caporal Kaebler V.C.	
		Révision:		Rev.01
LISTE DE COUPLE DE SERRAGE			POUR LE PANNEAU : PANNEAU DE DISTRIBUTION MCC	


# Modèle	Description	Valeur de couple
3048399	Fuse Holder Phoenix, UK10,3-HESILED N 690	2.7 Nm
3004249	Fuse Holder Phoenix, UK6,3-HESILA 250	1.3 Nm
S9-M	Base relay 4 poles Releco	1.1 Nm
AF09-30-10-13	Contacteur 7.5 HP, Coil 120VAC	1.5 Nm
AF12-30-10-13	Contacteur 10 HP, Coil 120VAC	1.5 Nm
CA4-22M	4 poles aux. contact block	1.2 Nm
MS116-xx	Manual Motor Starter	1 Nm
MS325-25	Manual Motor Starter	1.6 Nm
1677021	Phoenix, Conecteur 16 pins, 16A, 250V, MALE	0.5 Nm
1773129	Phoenix, Conecteur 6 pins, 35A, 600V, MALE	1.2 Nm
1SVR 500 1110 R0000	Off-Delay electronic Timer (CT-AHD.12)	0.7 Nm
PLC-RSC-120UC/21	Relais 120Vac 1 pole	N/A
PLC-RSC-24DC/21	Relais 24Vdc 1 pole	N/A
MCR-SL-PT100-SP	Contrôleur de température pour PT100	N/A
TMB0025QHXX	Control xlmr, 25Va;600/120-240 Volts	N/A
ABB Light	Led 24Vdc-120Vac red, green, blue,white, yellow	N/A
ABB Contact	NO & NC contact	N/A

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL MCC TRIBORD		Puissance & Contrôle Unité 1-A, Unité 1-B, Unité 1-C, Unité 1-D, Unité 1-E,	


Équipements	Détails	Dessin	Dessin	Dessin	Dessin	Dessin	Dessin	Valeur de couple
		SB08AA	SB08BA	SB08CA	SB08DA	SB08EA	SB08EB	
CONTACTOR	ALL CONNECTION ON CONTACTOR	X	X	X	X	X		1.5 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK	X	X	X	X	X		1.2 Nm
MS116-xx	ALL CONNECTION ON MANUAL MOTOR STARTER MS116 SERIE	X	X	X	X	X		1 Nm
MS325-xx	ALL CONNECTION ON MANUAL MOTOR STARTER MS325 SERIE							1.6 Nm
RELAJ	ALL CONNECTION ON RELAJ RELECO 4 POLES							1.1 Nm
RELAJ	ALL CONNECTION ON RELAJ PHOENIX 1 POLE	X	X	X	X	X	X	
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X	X	X	X	X		1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X	X	X	X	X		2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION ON GND FAULT DETECTOR & TIMER						X	0.7 Nm
QUICK CONNECT	ALL CONNECTION ON CONECTEUR 16 PINS MALE	X	X	X	X	X		0.5 Nm
QUICK CONNECT	ALL CONNECTION ON CONECTEUR 6 PINS MALE	X	X	X	X	X		1.2 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X	X	X	X		
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT	X	X	X	X	X		
TXFO	ALL CONNECTION ON TXFO	X	X	X	X	X		
MCR MODULE	ALL CONNECTION ON TEMPS CONTROLEUR PT100				X			

	RAPPORT DE COUPLE DE SERRAGE			
	Propriétaire:	Garde Côtière Canadienne	Date:	16-Feb-16
	Nom du bateau:	Caporal Kaebler V.C.	Révision:	Rev.01
	PANNEAU DE DISTRIBUTION PRINCIPAL MCC TRIBORD		Puissance & Contrôle Unité 1-F, Unité 1-G, Unité 1-H	

Équipements	Détails	Dessin	Dessin	Dessin				Valeur de couple
		SB08FA	SB08GA	SB08HA				
CONTACTOR	ALL CONNECTION ON CONTACTOR			X				1.5 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK			X				1.2 Nm
MS116-xx	ALL CONNECTION ON MANUAL MOTOR STARTER MS116 SERIE		X	X				1 Nm
MS325-xx	ALL CONNECTION ON MANUAL MOTOR STARTER MS325 SERIE	X						1.6 Nm
RELAJ	ALL CONNECTION ON RELAJ RELECO 4 POLES	X	X					1.1 Nm
RELAJ	ALL CONNECTION ON RELAJ PHOENIX 1 POLE	X	X	X				
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X	X	X				1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X	X	X				2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION ON GND FAULT DETECTOR & TIMER							0.7 Nm
QUICK CONNECT	ALL CONNECTION ON CONECTEUR 16 PINS MALE	X	X	X				0.5 Nm
QUICK CONNECT	ALL CONNECTION ON CONECTEUR 6 PINS MALE	X	X	X				1.2 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X	X				
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT		X	X				
TXFO	ALL CONNECTION ON TXFO	X	X	X				
MCR MODULE	ALL CONNECTION ON TEMPS CONTROLEUR PT100							

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	PANNEAU DE DISTRIBUTION PRINCIPAL MCC BÂBORD		Puissance & Contrôle Unité 2-A, Unité 2-B, Unité 2-C, Unité 2-D, Unité 2-E,	

Équipements	Détails	Dessin	Dessin	Dessin	Dessin	Dessin	Dessin	Valeur de couple
		SB09AA	SB09BA	SB09CA	SB09DA	SB09DB	SB09EA	
CONTACTOR	ALL CONNECTION ON CONTACTOR	X	X	X	X			1.5 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK	X	X	X	X			1.2 Nm
MS116-xx	ALL CONNECTION ON MANUAL MOTOR STARTER MS116 SERIE	X	X	X	X			1 Nm
MS325-xx	ALL CONNECTION ON MANUAL MOTOR STARTER MS325 SERIE						X	1.6 Nm
RELAJ	ALL CONNECTION ON RELAJ RELECO 4 POLES						X	1.1 Nm
RELAJ	ALL CONNECTION ON RELAJ PHOENIX 1 POLE	X	X	X	X	X	X	
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X	X	X	X		X	1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X	X	X	X		X	2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION ON GND FAULT DETECTOR & TIMER					X		0.7 Nm
QUICK CONNECT	ALL CONNECTION ON CONECTEUR 16 PINS MALE	X	X	X	X		X	0.5 Nm
QUICK CONNECT	ALL CONNECTION ON CONECTEUR 6 PINS MALE	X	X	X	X		X	1.2 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X	X	X		X	
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT	X	X	X	X		X	
TXFO	ALL CONNECTION ON TXFO	X	X	X	X		X	
MCR MODULE	ALL CONNECTION ON TEMPS CONTROLEUR PT100							

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	PANNEAU DE DISTRIBUTION PRINCIPAL MCC BÂBORD		Puissance & Contrôle Unité 2-F, Unité 2-G, Unité 2-H	

Équipements	Détails	Dessin	Dessin	Dessin				Valeur de couple
		SB09FA	SB09GA	SB09HA				
CONTACTOR	ALL CONNECTION ON CONTACTOR		X	X				1.5 Nm
CONTACTOR	ALL CONNECTION ON AUXILIARY CONTACT BLOCK		X	X				1.2 Nm
MS116-xx	ALL CONNECTION ON MANUAL MOTOR STARTER MS116 SERIE	X	X	X				1 Nm
MS325-xx	ALL CONNECTION ON MANUAL MOTOR STARTER MS325 SERIE							1.6 Nm
RELAJ	ALL CONNECTION ON RELAJ RELECO 4 POLES	X						1.1 Nm
RELAJ	ALL CONNECTION ON RELAJ PHOENIX 1 POLE	X	X	X				
FUSE	ALL CONNECTION ON FUSE HOLDER UK6.3	X	X	X				1.3 Nm
FUSE	ALL CONNECTION ON FUSE HOLDER UK10.3	X	X	X				2.7 Nm
ABB GND DETEC. & TIMER	ALL CONNECTION ON GND FAULT DETECTOR & TIMER							0.7 Nm
QUICK CONNECT	ALL CONNECTION ON CONECTEUR 16 PINS MALE	X	X	X				0.5 Nm
QUICK CONNECT	ALL CONNECTION ON CONECTEUR 6 PINS MALE	X	X	X				1.2 Nm
TB	MAKE PULL TEST ON ALL TERMINAL BLOCK	X	X	X				
ABB LIGHT & CONTACT	ALL CONNECTION ON INDICATION LIGHT & BLOCK CONTACT	X	X	X				
TXFO	ALL CONNECTION ON TXFO	X	X	X				
MCR MODULE	ALL CONNECTION ON TEMPS CONTROLEUR PT100		X					