

REFERENCED DRAWING: I-RM-3A38.00-1500-940-PMU-002 Rev A


CBS N°.: 4600440586

PCS N°.: 4505988271

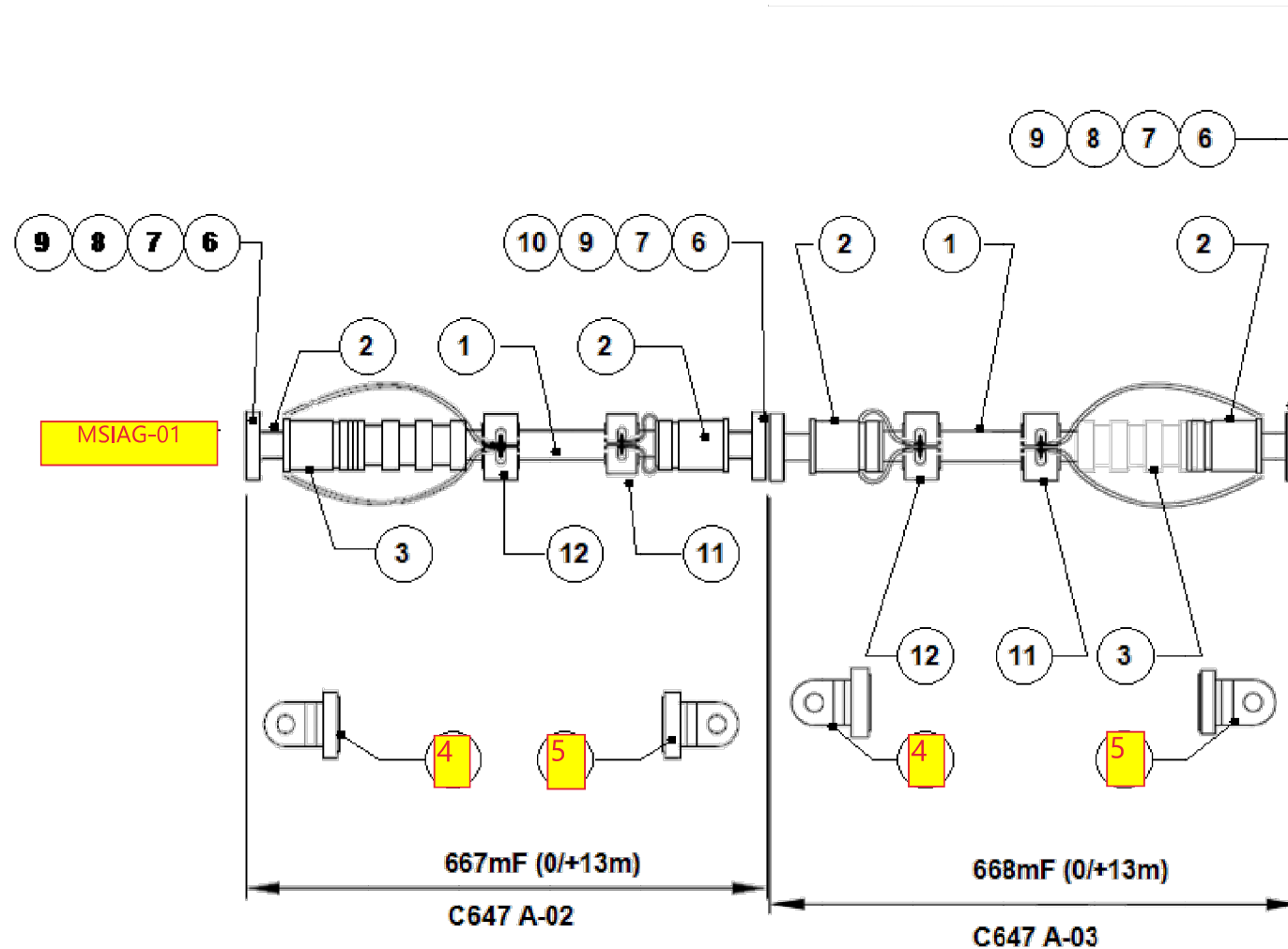
REVISIONS			
REV	DESCRIPTION	APPROVED	DATE
5	General Revision - ECN B067/15	MBa	2/2/2015
6	Inclusão de numeros de PCS Item - ECN B656/15	MBa	12/30/2015

5	<input checked="" type="checkbox"/>	13	-	3040	0	-	-	ENG-R-3121	-	Repair Kit to WSI 152.2510-DR-4041-4		
5	<input checked="" type="checkbox"/>	12	100	2410	8	-	-	N/A	4	Anode Collar for Service Life 20.1 Kg (4 per EndFitting, Drawing Number CB-TDC647XXXX-00-01.3A) + Neoprene Blanket		
5	<input checked="" type="checkbox"/>	11	100	2410	6	-	-	N/A	4	Anode Collar for Service Life 20.1 Kg (3 per EndFitting, Drawing Number CB-TDC647XXXX-00-01.2A) + Neoprene Blanket		
6	<input checked="" type="checkbox"/>	10	110	1610	1	-	-	N/A	-	Set of Studs and Bolts, 7 1/16" API 6BX Flange, 10000 psi, BX 156 , For Tensioner Hydratight HL (For Installation)	(1) (2)	
3		9	80	1620	4	-	-	N/A	-	Set of Studs and Bolts, 7 1/16" API 6BX Flange, 10000 psi, BX 156 , For Tensioner Hydratight HL (For transport and tests)	(1) (2)	
3	<input checked="" type="checkbox"/>	8	70	1630	2	-	-	N/A	-	Set of Studs and Bolts, 7 1/16" API 6BX Rotative Flange, 10000 psi, BX 156 , For Tensioner Hydratight HL (For Installation)	(1) (2)	
3		7	60	1570	4	-	-	N/A	-	Seal Ring BX 156 AISI 316L (For transports and tests)		
3	<input checked="" type="checkbox"/>	6	50	1580	3	-	-	N/A	-	Seal Ring BX 156 Inconel 625 (For Installation)		
6		5	91	3250	2	-	-	CB-TH1522505-00-01	4	Installation/Test Head, 7 1/16" API 6BX Flange, 10000 psi, BX 156 (SWL= 400 tf)		
6		4	31	3230	2	-	-	CB-TH1521542-00-02	5	Handling/Test Head, 7 1/16" API 6BX Flange, 10000 psi, BX 156 (SWL= 40 tf)		
5	<input checked="" type="checkbox"/>	3	40	3240	2	-	-	CB-BR1522510-00-05	2	Bend Restrictor, 6" ID Water Injection Flowline 120 Degrees (Splited)		
5		2	20	3120	4	-	-	CB-EF1522510-00-09	2	End Fitting 6" ID Water Injection Flowline 7 1/16" API 6BX Flange, 10000 psi, BX 156 With N2 Seal Port		
5		1	10	3100	1335 m	-	-	WSI 152,2510-DR-4041-4	1	6" ID Water Injection Flexible Flowline		
		ITEM	PCS ITEM	CBS ITEM	NEW QTY.	SPARE, QTY.	SUPPLIED BY CLIENT	DOCUMENT N°	REV N°	DESCRIPTION	NOTES	CHECK
LEGEND: N/A : MEANS NOT APPLICABLE. TBD: MEANS TO BE DEFINED. <input checked="" type="checkbox"/> ITEMS TO BE ASSEMBLED OFFSHORE. <input type="checkbox"/> ITEMS TO BE PARTIAL ASSEMBLED OFFSHORE. <input checked="" type="checkbox"/> ITEMS TO BE DELIVERED WITH OFFSHORE ONES.												
NOTES : (1) - 1 1/2"- 8 UN x 15 1/2" BOLTS (12 PER FLANGE), BICHROME OVER CADMIUM, 1 1/2" - 8 UN NUTS (24 PER FLANGE), BICHROME OVER CADMIUM. (2) - IN ACCORDANCE WITH MTL-5186.												

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	ENGINEERED BY: Marco Araujo	DATE: 10/07/2014	REV: MBa	TITLE: IRACEMA NORTE FIELD DEVELOPMENT				SHEET:.
	CHECKED BY: Celi Nogueira	DATE: 10/07/2014	TCs	COMPOSITION DRAWING - Water Injection - FPSO CIDADE DE ITAGUAÍ/IW-IN13				1/2
	APPROVED BY: Orlando Borges	DATE: 10/07/2014	LSO	CLIENT: Petrobras	TOP CONFIGURATION: N/A	DRAWING NUMBER: C647 UN-15	REV.: 6	

← LAUNCHING SEQUENCE



Será necessária a inversão das cabeças de tração para atender ao escopo da operação conforme lista de materiais LI-3A26.09-1519-291-PZ9-003=0

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ENGINEERED BY: Marco Araujo CHECKED BY: Celi Nogueira APPROVED BY: Orlando Borges	DATE: 10/07/2014	REV: MBa	TITLE: IRACEMA NORTE FIELD DEVELOPMENT		SHEET.: 2/2
	DATE: 10/07/2014	TCs	COMPOSITION DRAWING - Water Injection - FPSO CIDADE DE ITAGUAÍ/IW-IN13		REV.: 6
	DATE: 10/07/2014	LSO	CLIENT: Petrobras	TOP CONFIGURATION: N/A	DRAWING NUMBER: C647 UN-15