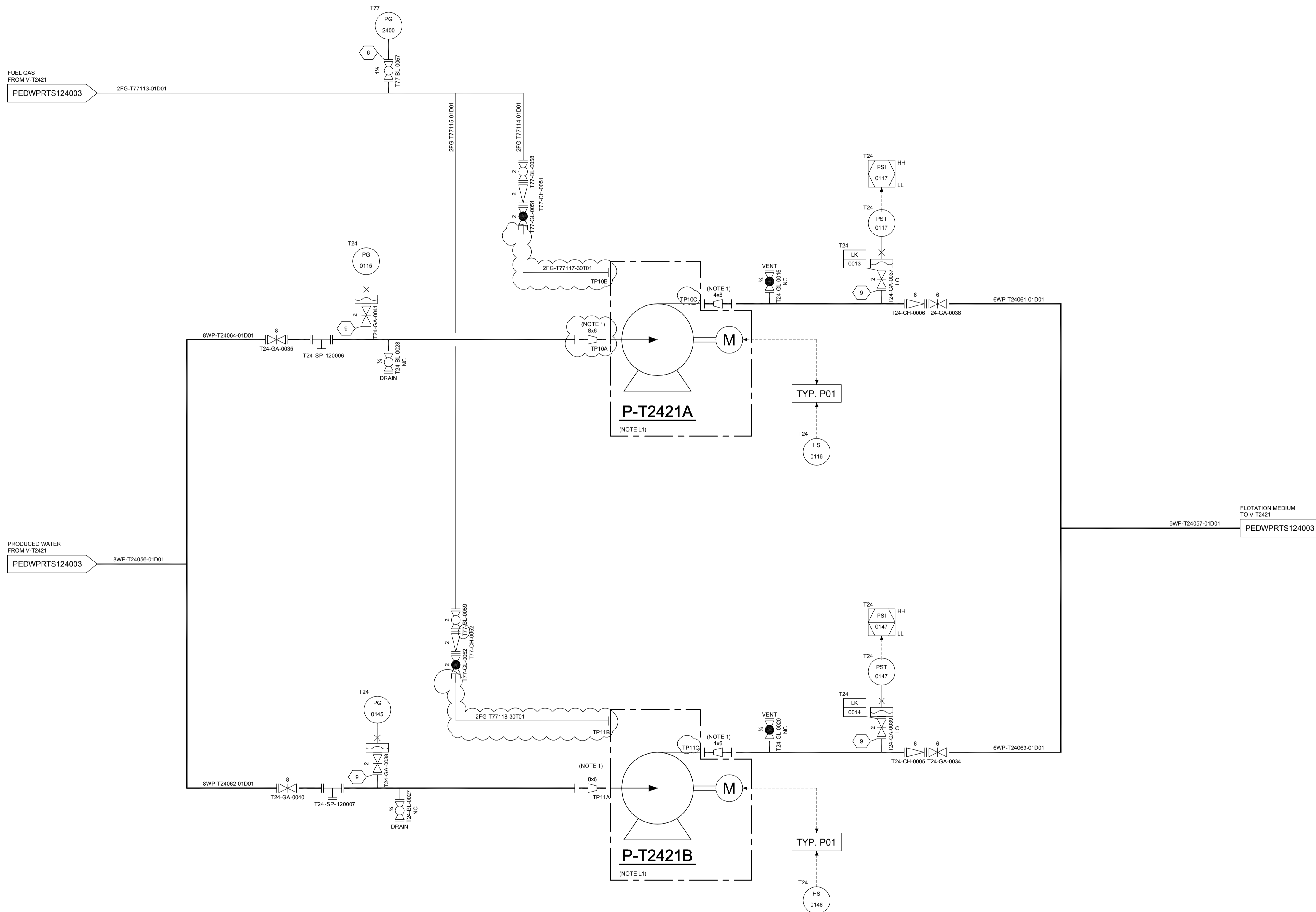


IGF RECYCLE PUMPS	
TAG	P-T2421A/B
TYPE	CENTRIFUGAL
RATED CAPACITY (m ³ /h)	227
DESIGN PRESSURE [bar(g)]	15
DESIGN TEMPERATURE (°C)	105
DIFFERENTIAL HEAD (m)	31.2
DRIVER	E-MOTOR
DRIVE POWER (kW)	24.5
MOC	DSS



GENERAL NOTES	
ID	DESCRIPTION
1	REMOVABLE SPOOL

LAYOUT NOTES	
ID	DESCRIPTION
L1	PUMPS SHALL BE LOCATED MINIMUM 5 METERS BELOW FLOTATION VESSEL

REFERENCE DOCUMENTS		
ID	SBM DOC. NUMBER	DESCRIPTION
1	PEDWPRPG999003	FPSO - PIPING LEGEND - P&ID
2	PEDWPRPG999004	FPSO - PIPING IDENTIFICATION LEGEND - P&ID
3	PEDWPRPG999005	FPSO - INSTRUMENTATION LEGEND - P&ID
4	PEDWPRPG999006	FPSO - EQUIPMENT LEGEND - P&ID
5	PEDWPRPG999007	FPSO - TYPICAL DETAILS - P&ID 1
6	PEDWPRPG999008	FPSO - TYPICAL DETAILS - P&ID 2
7	PEDWPRPG999009	FPSO - TYPICAL DETAILS - P&ID 3
8	PESDPITS999120	TOPSIDES - PIPING DETAIL - SPECIFICATION

TS063

V1	26-JUN-12	VALID FOR CONSTRUCTION	Jao	Way	Vra	Wih
C1	30-MAR-12	FOR COMMENTS AND APPROVAL	Roa	Way	Vra	Cem
I1	10-JAN-12	INTER DISCIPLINE CHECKING	Jaj	Way	Vra	Cem

Revision	Date (dd-MMM-yy)	Description of revision	Prepared by	Engineering checked by	Approved by LE	Approved by EPM

<p>Engineering Subcontractor to: SINCE SHIPY MOORE & CO. INC. P.O. Box 152 5, route de Fécamp CH-1723 Mardy Switzerland Tel: +41 26 439 99 20 Fax: +41 26 439 99 39</p>	<p>© Copyright SBM Offshore N.V. 2012 Copyright by SBM Offshore N.V. or any of its subsidiaries. This document is the property of SBM Offshore N.V. or any of its subsidiaries. This document or any part thereof is CONFIDENTIAL and may not be made known, copied, published, or used in any other way without the permission of SBM Offshore N.V. or any of its subsidiaries.</p>	
<p>Client: PETROBRAS NETHERLANDS BV</p>		
<p>Project: FPSO CIDADE DE ILHABELA</p>		
<p>TOPSIDES IGF RECYCLE PUMPS P&ID</p>		

Format	Projection Method	Scale	Project Number	Document Number	Sheet No./Sheets	Revision
A1		N.T.S.	HI 39520	PEDWPRTS124007	1 / 1	V1