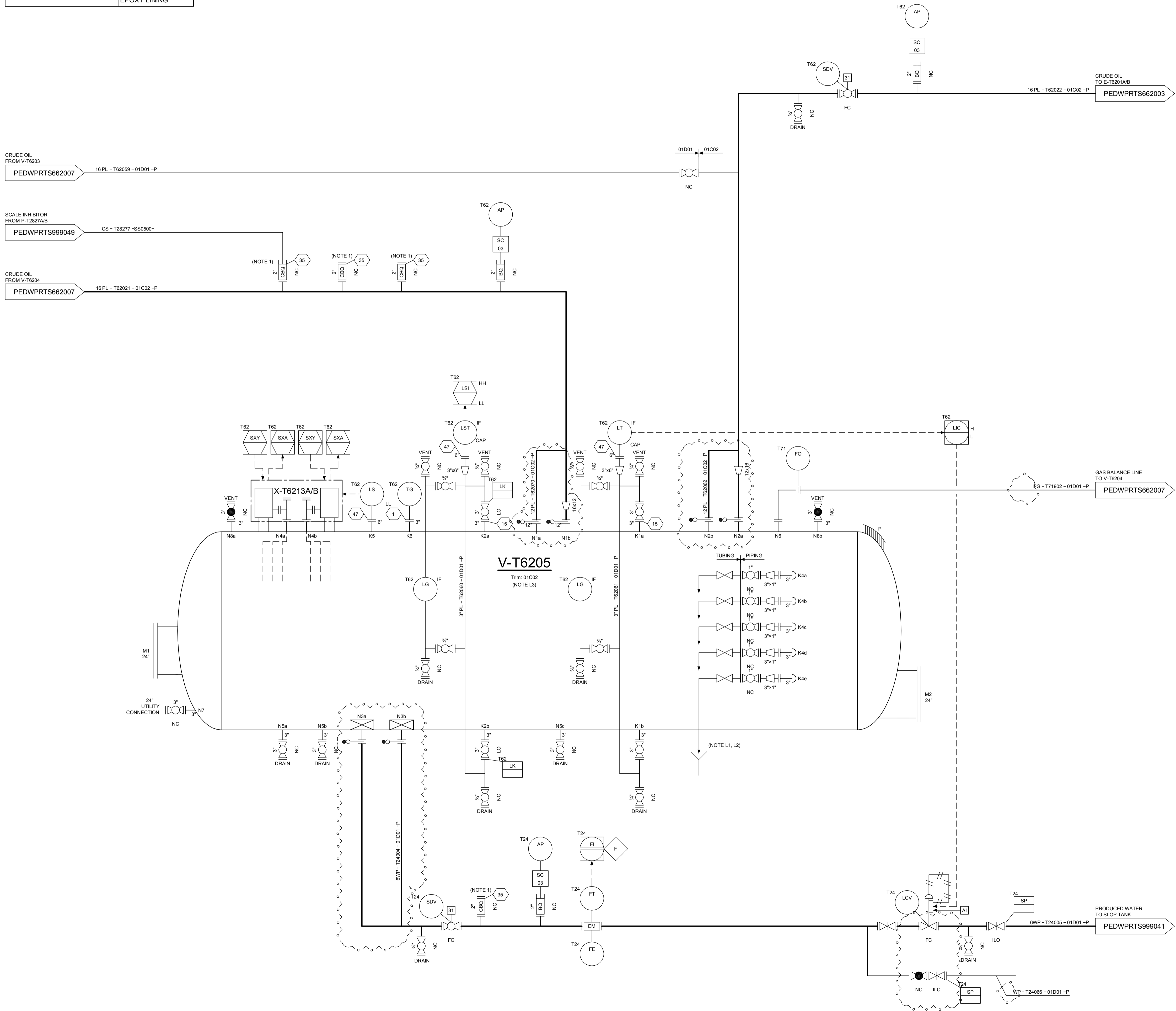


ELECTROSTATIC TREATER (1x100%)		ELECTRIC TRANSFORMER (2x100%)	
TAG	V-T6203	TAG	X-T6213A/B
ID x LENGTH (mm x mm)	FV15	VOLTAGE (V, Hz)	
DESIGN PRESSURE [bar(g)]	1.5	POWER (kW)	
DESIGN TEMPERATURE (°C)	105		
OPERATING PRESSURE [bar(g)]	1.5		
OPERATING TEMPERATURE (°C)	72-78		
MOC	CARBON STEEL + EPOXY LINING		



GENERAL NOTES	
ID	DESCRIPTION
1	PROVISION FOR CHEMICAL INJECTION (SPARE)

LAYOUT NOTES	
ID	DESCRIPTION
L1	SAMPLE TUBING VALVES TO BE AT REACHABLE LOCATION
L2	TUBING FROM EACH SAMPLE CONNECTION (K4A TO K4E) TO BE ROUTED SEPARATELY TO THE GUTTER
L3	LOCATION OF NOZZLES IS SCHEMATIC. FOR EXACT LOCATION REFER TO G.A. DRAWING

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

LEGEND	
	CLOUD INDICATING ITEMS ON HOLD

HOLDS	
ID	DESCRIPTION
1	VESSEL SIZE AND MAIN PROCESS NOZZLE SIZES PENDING VENDOR SELECTION OF PROCESS INTERNALS
2	ELECTRIC TRANSFORMER DATA
3	CONTROL VALVE AND BY-PASS SIZE
4	DESIGN PRESSURE

TS062

11	29-DEC-11	INTER DISCIPLINE CHECKING	Jaj	Msd	Vra	Cem
Revision	Date (dd-MMM-yy)	Description of revision	Prepared by	Engineering checked by	Approved by	Approved by

<p>Engineering Subcontractor: SINCE BIDDY MICROELECTRONICS INC. P.O. Box 152 5, rue de l'Industrie CH-1723 Mably Switzerland Tel: +41 26 439 99 20 Fax: +41 26 439 99 39</p>	<p>© Copyright SBM Offshore N.V. 2011 COPYRIGHT BY SBM OFFSHORE N.V. OR ITS AFFILIATES. THIS DOCUMENT AND ITS CONTENTS ARE THE CONFIDENTIAL PROPERTY OF SBM OFFSHORE N.V. OR ITS AFFILIATES AND AS SUCH THIS DOCUMENT, OR ANY PART THEREOF, MAY NOT BE REPRODUCED, COPIED, OR IN ANY OTHER WAY USED WITHOUT THE EXPRESS PERMISSION OF SBM OFFSHORE N.V. OR ITS AFFILIATES.</p>	<p>PETROBRAS NETHERLANDS B.V.</p>
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Client	PETROBRAS NETHERLANDS BV		
Project	FPISO CIDADE DE ILABELA		
Title	TOPSIDES ELECTROSTATIC TREATER P&ID		

Format	Projection Method	Scale	Project Number	Document Number	Sheet No./Sheets	Revision
A1		N.T.S.	HI 39520	PEDWPRTS662008	1 / 1	11