





This drawing is a schematic diagram of the process flow for the POIANA LACULUI PUMPING STATION. It shows the flow of oil from storage tanks through heating coils and pumps to the pumps. The drawing is not a detailed engineering drawing and should not be used for construction purposes. It is a schematic diagram only.

0-003-TA-001  
STORAGE TANK (R6)

SERVICE CRUDE OIL	INSULATED	YES	<input type="checkbox"/>
HEIGHT 14.30 [m]	NO	<input checked="" type="checkbox"/>	
DIAMETER 16.80 [m]	HEATED	YES	<input checked="" type="checkbox"/>
CAPACITY 3700 [m3]	NO	<input checked="" type="checkbox"/>	

0-003-TA-002  
STORAGE TANK (R13)

SERVICE CRUDE OIL	INSULATED	YES	<input type="checkbox"/>
HEIGHT 10.62 [m]	NO	<input checked="" type="checkbox"/>	
DIAMETER 21.12 [m]	HEATED	YES	<input checked="" type="checkbox"/>
CAPACITY 3700 [m3]	NO	<input checked="" type="checkbox"/>	

0-003-TA-003  
STORAGE TANK (R10)

SERVICE CRUDE OIL	INSULATED	YES	<input checked="" type="checkbox"/>
HEIGHT 10.50 [m]	NO	<input type="checkbox"/>	
DIAMETER 21.40 [m]	HEATED	YES	<input checked="" type="checkbox"/>
CAPACITY 3700 [m3]	NO	<input type="checkbox"/>	

0-003-TA-004  
STORAGE TANK (R12)

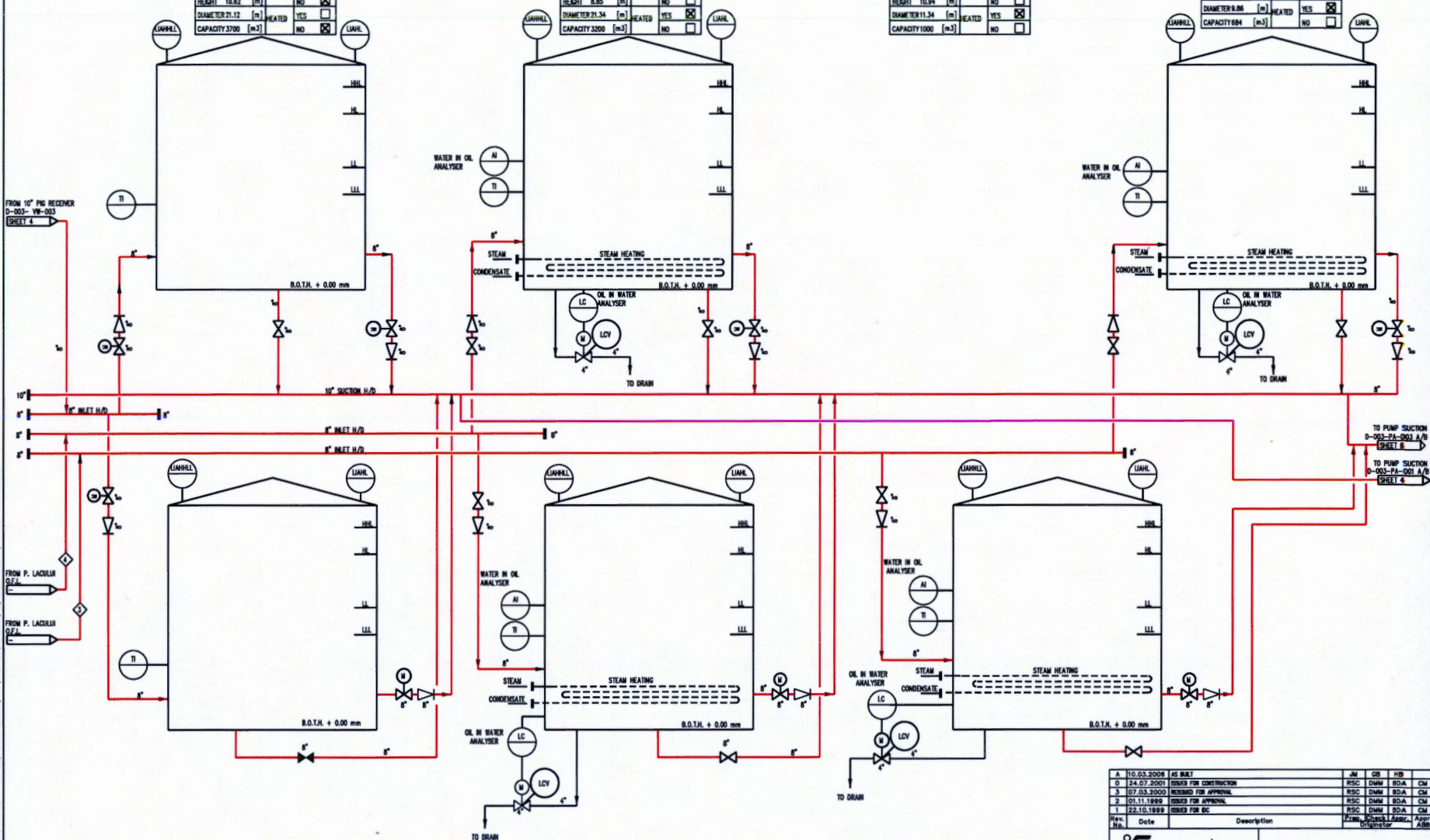
SERVICE CRUDE OIL	INSULATED	YES	<input checked="" type="checkbox"/>
HEIGHT 8.85 [m]	NO	<input type="checkbox"/>	
DIAMETER 21.34 [m]	HEATED	YES	<input checked="" type="checkbox"/>
CAPACITY 3200 [m3]	NO	<input type="checkbox"/>	

0-003-TA-006  
STORAGE TANK (R7)

SERVICE CRUDE OIL	INSULATED	YES	<input checked="" type="checkbox"/>
HEIGHT 10.04 [m]	NO	<input type="checkbox"/>	
DIAMETER 11.34 [m]	HEATED	YES	<input checked="" type="checkbox"/>
CAPACITY 1000 [m3]	NO	<input type="checkbox"/>	

0-003-TA-008  
STORAGE TANK (R2)

SERVICE CRUDE OIL	INSULATED	YES	<input checked="" type="checkbox"/>
HEIGHT 8.12 [m]	NO	<input type="checkbox"/>	
DIAMETER 8.06 [m]	HEATED	YES	<input checked="" type="checkbox"/>
CAPACITY 984 [m3]	NO	<input type="checkbox"/>	



- NOTES:
1. OUTLINED ON PAPER & LOCK DIAGRAM
  2. FOR LEGEND OF SYMBOLS SEE DWS. NO. DC11-G-520-PO-07-850 SKI AND 2.

A	10.03.2008	AS BUILT	JM	GP	HB	CM
0	24.07.2001	ISSUED FOR CONSTRUCTION	RSC	DMM	SDA	CM
3	07.03.2002	REVISED FOR APPROVAL	RSC	DMM	SDA	CM
2	01.11.1999	ISSUED FOR APPROVAL	RSC	DMM	SDA	CM
1	22.10.1999	ISSUED FOR MC	RSC	DMM	SDA	CM
Rev. No.	Date	Description	Rev. No.	Date	Description	Rev. No.
conpet s.d.			PROCESS FLOW DIAGRAM			
POIANA LACULUI PUMPING STATION			Area Code: 0-003			
Orig. No.:	Drawing Number:					
Proj. Seq. No.:	DC11	G 520 PO XE 028	5	7		
Proj. Code:	File number:	Proj. Code	Orig. Code	Disc. Code	Seq. No.	Sheet No.
100	100	100	100	100	100	100



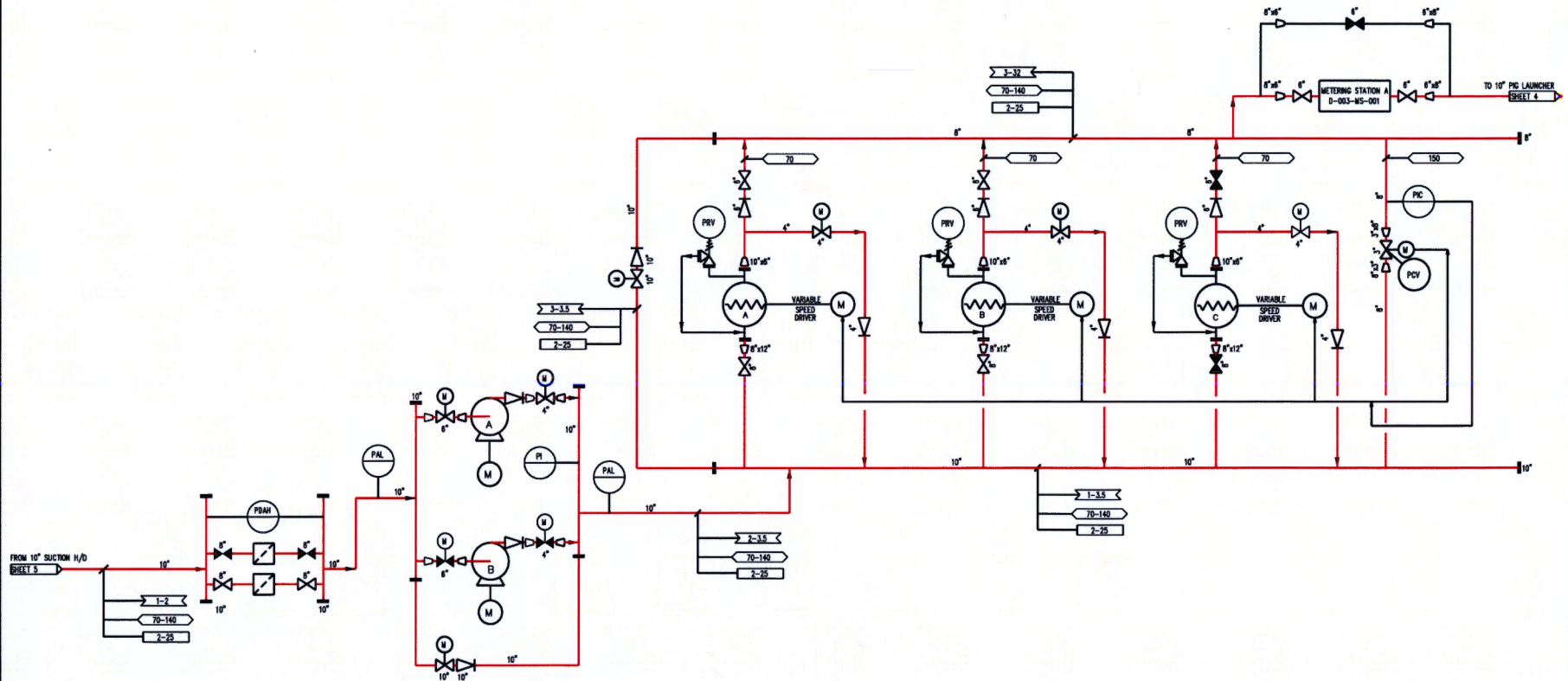
D-003-CR-002-A/B  
CRUDE FILTERS  
ONE ACTIVE, ONE SPARE

D-003-PA-003-A/B  
BOOSTER PUMPS: ONE ACTIVE, ONE STAND-BY

PUMP TYPE	CENTRIFUGAL EXPM 125-319
SERVICE	CRUDE OIL
EFFICIENCY	85/45 [%]
CAPACITY	140 [m <sup>3</sup> /h]
DENSITY	878 [kg/m <sup>3</sup> ]
HEAD	27.2/25 [m]
VISCOSITY	5-170 [cP]
NPSH	1.6 [m]
SPEED	1450 [RPM]

D-003-PG-001-A/B/C  
MAIN PUMPS: TWO LEAD, ONE STAND-BY

PUMP TYPE	SCREW PUMPS M.X. 14 HP
SERVICE	CRUDE OIL
EFFICIENCY	78/91 [%]
CAPACITY	70 [m <sup>3</sup> /h]
DENSITY	878 [kg/m <sup>3</sup> ]
HEAD	464 [m]
VISCOSITY	10-170 [cP]
NPSH	2.85 [m]
SPEED	1000 [RPM]



LEGEND:



NOTES:

1. OUTLINE ON P&ID & LOGIC DIAGRAM
2. FOR LEGEND OF SYMBOLS SEE DWG. NO. DC11-0-520-P0-XF-050 SH1 AND 2.

A	10.03.2008	AS R&T	JM	GP	HB	
0	24.07.2001	ISSUED FOR CONSTRUCTION	RSC	DMH	BDH	CM
3	07.03.2005	REVISION FOR APPROVAL	RSC	DMH	BDH	CM
2	01.11.1999	ISSUED FOR APPROVAL	RSC	DMH	BDH	CM
1	22.10.1999	ISSUED FOR MC	RSC	DMH	BDH	CM
Rev.	No.	Date	Description	Drawn	Checked	Appr.
				Signature		
<p>PROCESS FLOW DIAGRAM POIANA LACULUI PUMPING STATION</p>						
Area Code: D-003						
Orig. No.:	Drawing Number:					
Proj. Seq. No.:	DC11	G	520	P0	XE	028
MSB Code:	File number:	Proj. Code	Orig. Code	System Code	Disc. Code	Seq. No.
Log. No.:	Log. No.	Log. No.	Log. No.	Log. No.	Log. No.	Log. No.

The drawing is a technical drawing of a process flow diagram. It is a schematic representation of a physical process. The drawing is a technical drawing of a process flow diagram. It is a schematic representation of a physical process. The drawing is a technical drawing of a process flow diagram. It is a schematic representation of a physical process.