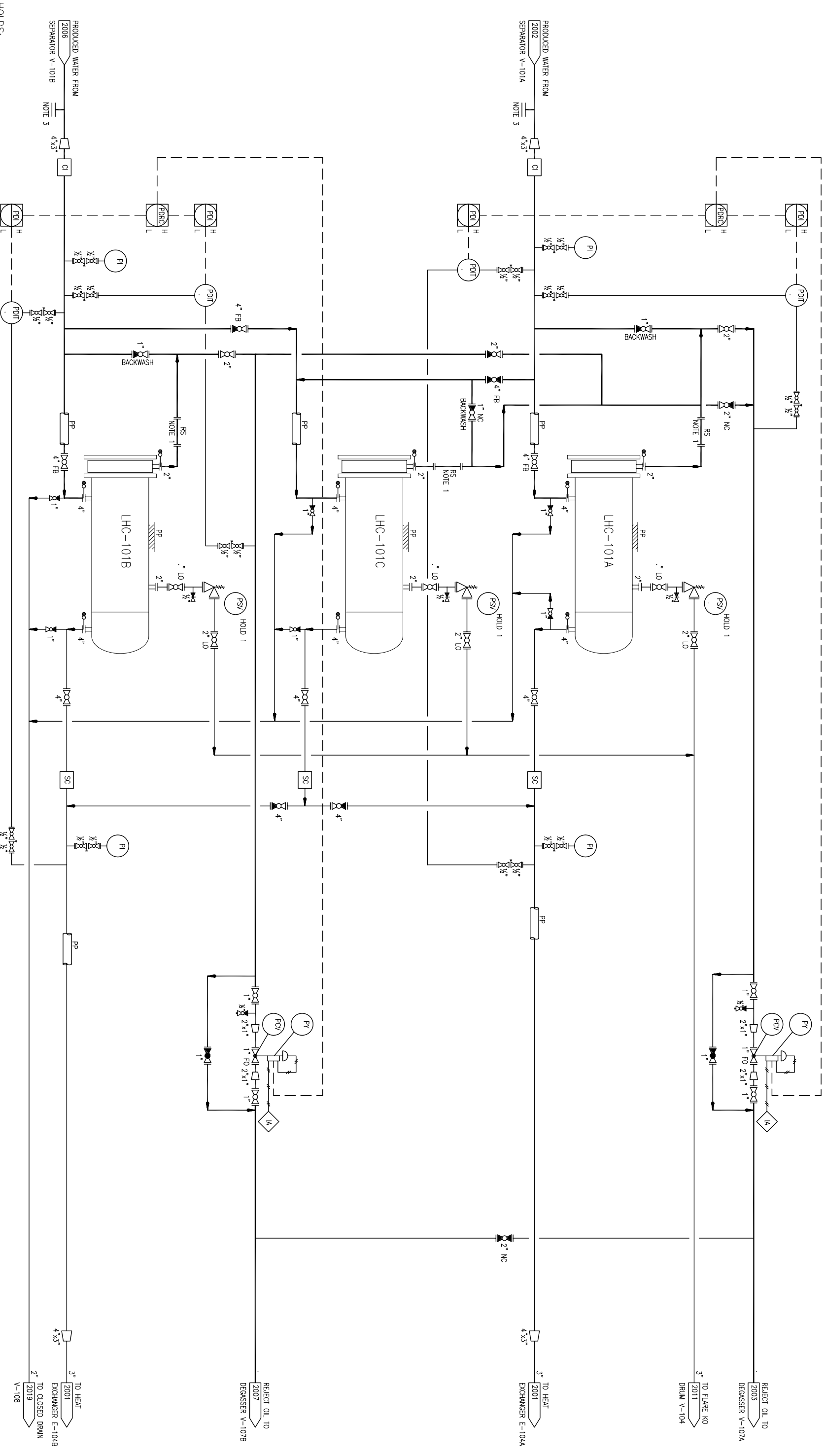


ITEM No:
 UNIT:
 DES. PRESS./TEMP:
 OPER. PRESS./TEMP:
 INSULATION:
 TRIM:

LHC-101A/B/C
 DE-OILING HYDROCYCLONES
 325mm OD x 1426mm LT / 52.56mm²/HYDROCYCLONE
 15 barg / 170C
 10 barg / 140C
 YES
 DUPLEX ST. STL



HOLDS:

1. PSV SIZE TRC

NOTES:
 1. REMOVABLE SPOOL FOR ACCESS DURING MAINTENANCE
 2. DRAW TO DRP PAN TOWNSH PERROBRAS HYDROCYCLONE SEPARATOR SYSTEM

© Design Rights POWERWELL SERVICES.
 This document and the information it contains is confidential and the property of POWERWELL SERVICES and is not to be reproduced, communicated to a third party or used in any manner whatsoever without the prior written consent of POWERWELL SERVICES.

PRODUCTS AND TECHNOLOGY DEVELOPED IN U.S.A., OR BY CITIZENS OF THE U.S.A. ARE DEEMED TO BE OF U.S. ORIGIN AND THEREBY SUBJECT TO U.S. EXPORT CONTROL LAWS. THE EXPORT OR RE-EXPORT OF U.S. ORIGIN TECHNOLOGY BY ANY MEANS, INCLUDING DATA TRANSFER, IS PROHIBITED EXCEPT IN ACCORDANCE WITH U.S. LAW AND POWERWELL SERVICES POLICY.

NO.	REVISION	DATE	BY	CHK.	APPV.	DATE
1	INITIAL ISSUE					
2	REQUIRED AS INDICATED					

DATE	ENGR. APPV.	DATE	ENGR. APPV.
25 July 2006	K. Ward	4 Aug 2006	N. Worston
4 Aug 2006	A. Davis	4 Aug 2006	F. Shilbeck



PIPING AND INSTRUMENTATION DIAGRAM
 DE-OILING HYDROCYCLONES
 OIL PROCESSING FACILITY
 06-PE0003A-S-2013