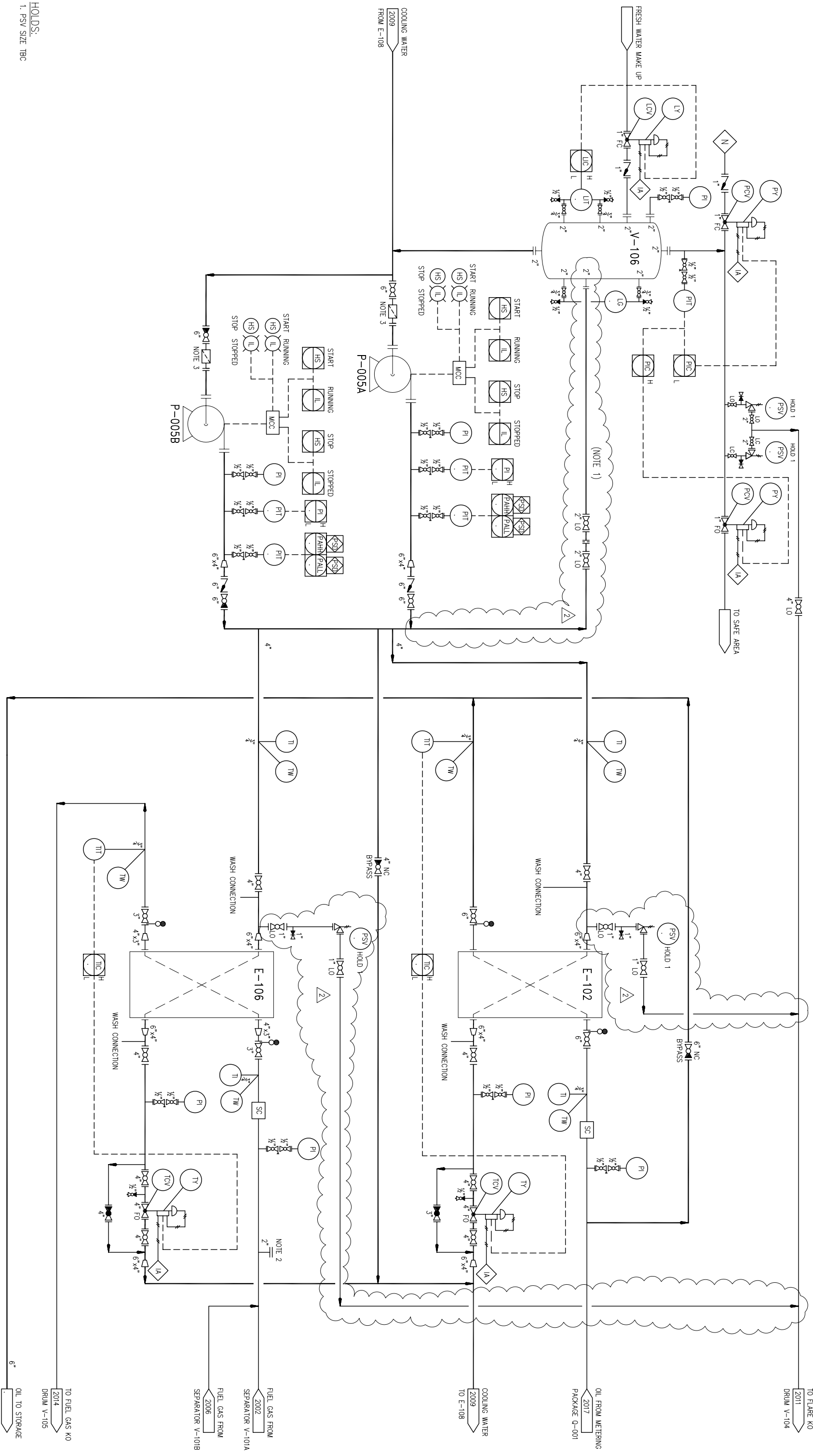


ITEM No: V-106
 UNIT: EXPANSION TANK
 SIZE/DUTY: 1100mm OD x 2500 mm T/T
 DES. PRESS./TEMP: 7 barg / 85°C
 OPER. PRESS.: 1 barg
 TRIM: CARBON STEEL

P-005A/B
 COOLING WATER PUMP
 130 m³/hr / 11 kW
 7 barg / 85°C
 DISCHARGE PRESSURE: 4 barg / 35°C
 CARBON STEEL

E-102
 OIL COOLER
 840 mm OD x 1798 T/T / 1939kW
 10 barg / 140°C
 5 barg / 100°C
 CS SHELL 316L ST/STL PLATE

E-106
 CONDENSER
 610 mm OD x 943 mm T/T / 980kW
 12.5 barg / 140°C
 5 barg / 140°C
 CS SHELL 316L ST/STL PLATE



HOLDS:
 1. PSV SIZE TBC

NOTES:
 1. MIN FLOW RECYCLE
 2. FOR FUTURE CONNECTION FROM PETROBRAS HYDROCYCLONE SEPARATOR PACKAGE
 3. TEMP. WITCHES HAT TYPE STRAINER FOR COMMISSIONING ONLY

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NO.	REVISION	DATE	BY	CHK.	APPV.	DATE	BY	CHK.	APPV.	DATE	SCALE	REF. NO.
1	INITIAL ISSUE	25 Jul 06	KW	AJD	IS	25 Jul 06	DMN	BY	CHK.	APPV.	NONE	2
2	REVISED AS INDICATED	22 Aug 06	KW	BT	AJD	22 Aug 06	DMN	BY	CHK.	APPV.	06-PE0003A	2

PIPING AND INSTRUMENTATION DIAGRAM
 FRESH WATER COOLING SYSTEM
 OIL PROCESSING FACILITY
 06-PE0003A-5-2010