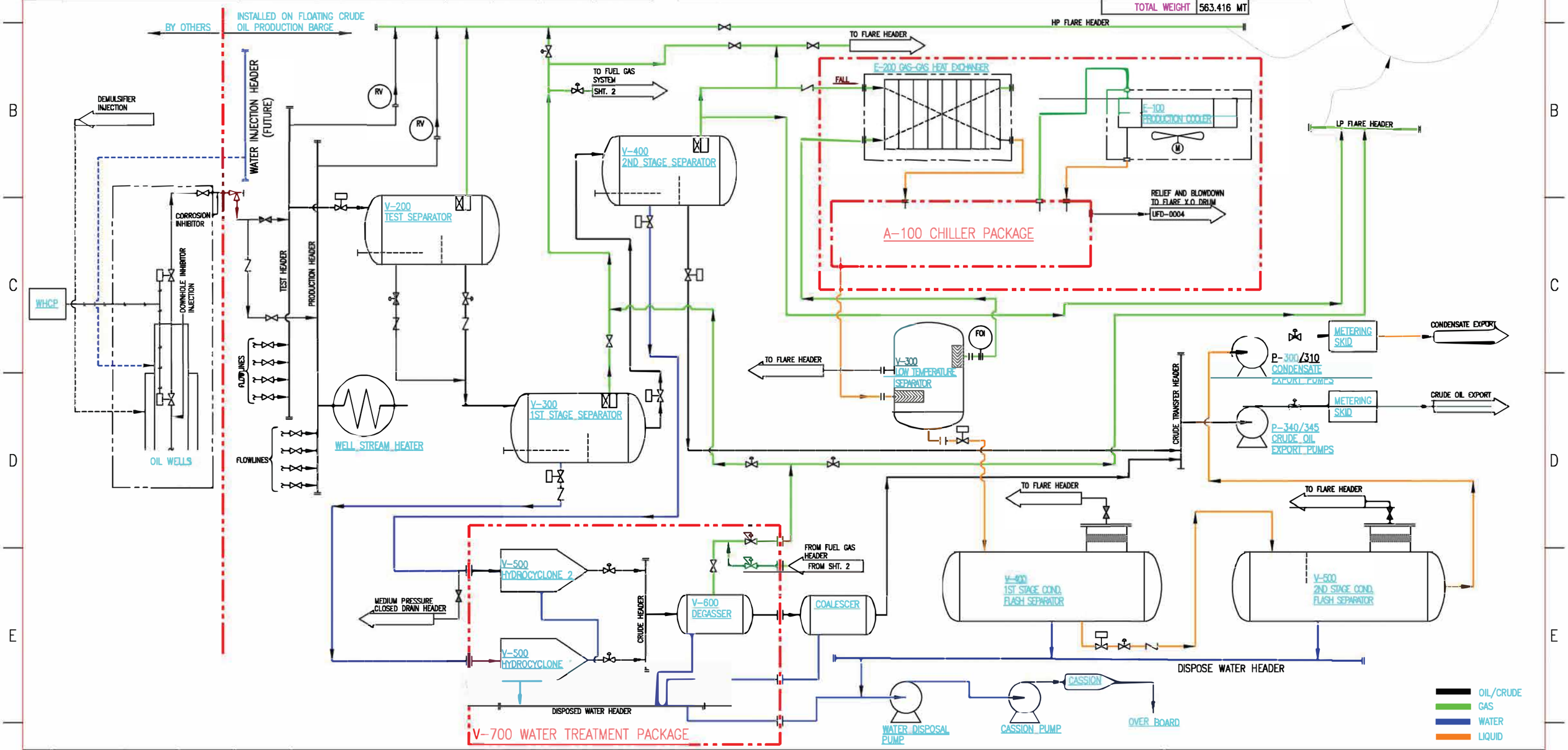
PRODUCTION BARGE MAJOR EQUIPMENT LIST

ITEM #	DESCRIPTION	QTY.	SERIAL NO.	L (M)	W (M)	HT. (M)	WT. (KG.)	VOL.(CBM)
1	CHEMICAL INJECTION SKID	1	G-G 1	10.39	4.8	5.61	27,240	280
2	OFFLOADING PUMPS (OIL/CONDENSATE)	1	G-G 3	7.62	3.58	3.10	16,116	84.60
3	FUEL GAS PACKAGE	1	G-G 5	6.58	3.43	4.11	6,804	92.80
4	MCC BUILDING	1	G-G 7	11.35	6.98	6.10	45,360	483.60
5	PRODUCTION RISER HPU	1	G-G 9	3.96	2.03	2.92	1,362	23.50
6	AIR INSTRUMENTS PACKAGE	1	G-G 12	2.77	1.83	3.07	2,270	15.60
7	AIR COMPRESSOR PACKAGE	1	G-G 13	3.35	2.21	2.24	4,540	16.60
8	CHILLER PACKAGE	1	G-G 17	10.06	2.67	9.50	54,432	254.90

PRODUCTION BARGE MAJOR EQUIPMENT LIST

ITEM #	DESCRIPTION	QTY.	SERIAL NO.	L (M)	W (M)	HT. (M)	WT. (KG.)	VOL.(CBM)
9	WELL STREAM HEATER	1	G-G 19	15.24	5.79	4.32	70,308	381.10
10	DEGASSER	1	G-G 20	5.87	2.9	4.34	21,400	73.80
11	1ST STAGE SEPARATOR	1	G-G 22	11.94	4.57	4.57	77,112	249.60
12	2ND STAGE SEPARATOR	1	G-G 23	11.79	4.45	4.57	77,112	239.50
13	TEST SEPARATOR	1	G-G-30	9.5	4.8	8.5	79,000	387.60
14	COALESCER	1	G-G-32	12.1	4.8	8.5	80,000	514.25
15	OIL/CONDENSATE METERING SKID	1	–	5.21	0.750	1.85	–	–
16	HYDROCYCLONE	1	–	1.3	0.5	1.1	360	–
						TOTAL WEIGHT	563.416 MT	



Rev	Date	Drawn	Checked	Approved	Description
B	11/04/12	RM	ARK	SS	ISSUED FOR APPROVAL
A	20/03/12	RM	ARK	SS	ISSUED FOR COMMENTS

Client/Project

FLOATING WELL TEST BARGE
OVERALL PROCESS FLOW DIAGRAM

Filename:	Drawing number:	Sheet: 1 OF 2	Rev. B	Client Drawing number:
N:\Bids\B292	WE-B292-D02	Scale: AS SHOWN	Size: A3	–

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105 Cecil Street
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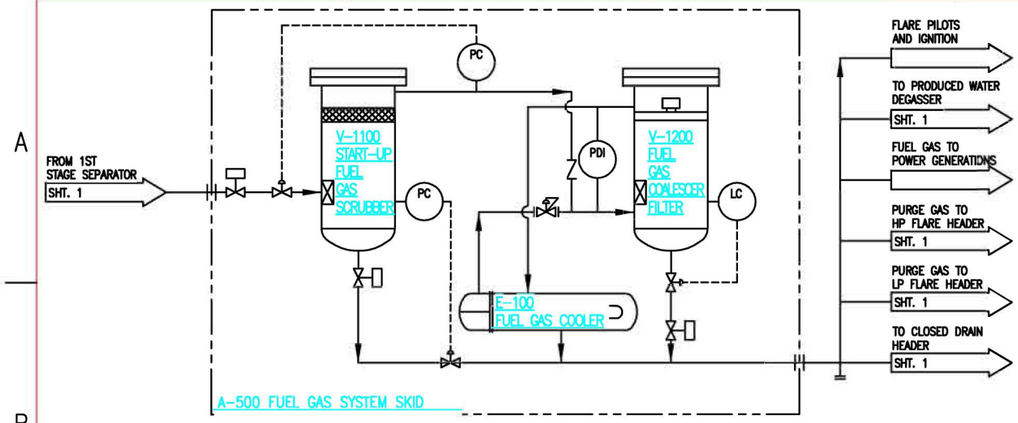
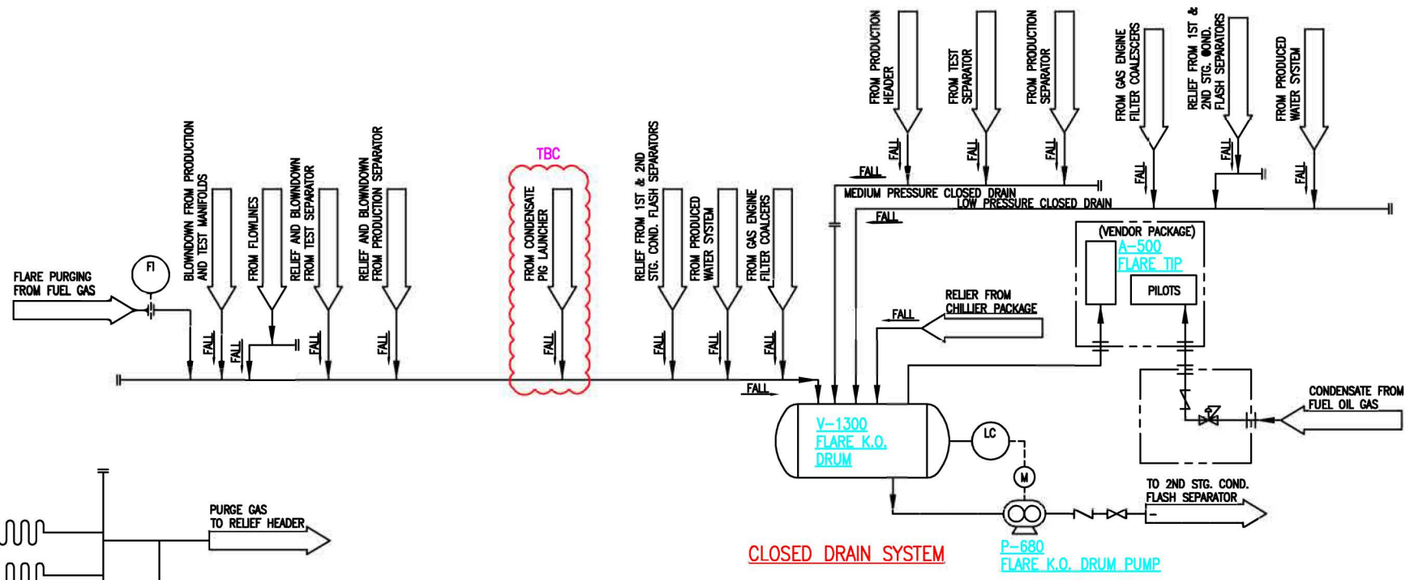
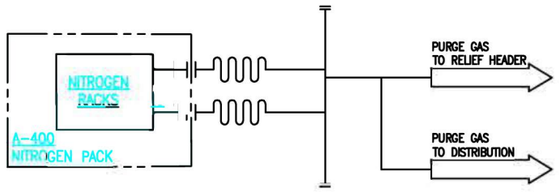
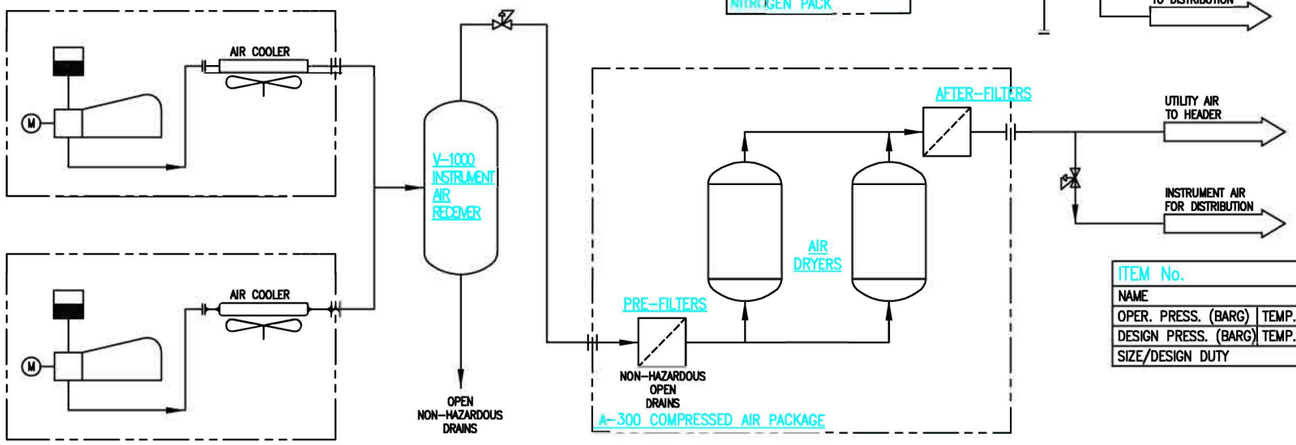


FUEL GAS SYSTEM

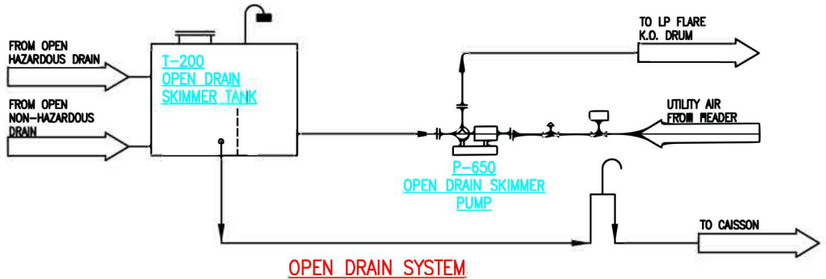


CLOSED DRAIN SYSTEM

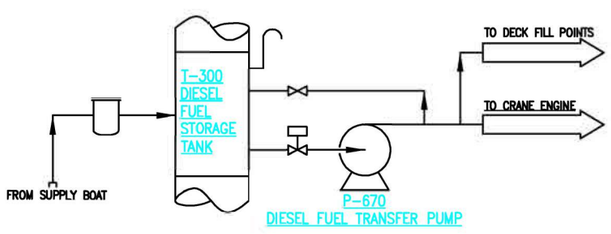




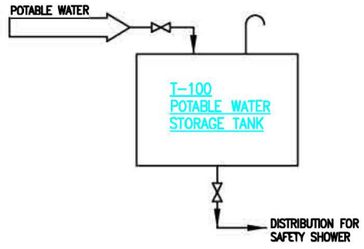
AIR COMPRESSOR AND INSTRUMENT AIR SYSTEM



OPEN DRAIN SYSTEM



DIESEL SYSTEM



POTABLE WATER SYSTEM

ITEM No.		V-1300		P-680		A-500	
NAME		FLARE K.O. DRUM		FLARE K.O. DRUM PUMP		FLARE TIP	
OPER. PRESS. (BARG)	TEMP. (°C)	0 ~ 1.5	−8 ~ 62	2.28	36/19	0.1~1.5/2.5	–
DESIGN PRESS. (BARG)	TEMP. (°C)	3.6/FV	87/−29	6	87/−10	3.5	–
SIZE/DESIGN DUTY		1600 DIA x 4000mmT/T/25MMSCFD		20m³/hr @ 18.0m diff. head / 0.28KW		–	

ITEM No.		T-100	
SERVICE		POTABLE WATER STORAGE TANK	
DESIGN PRESS./TEMP		WATER FULL + 0.1 barg/45°C	
MATERIAL		CS (LINED)	
CAPACITY		6 m³	
DIMENSIONS		2.0m(L) x 1.5m(W) x 2.0m(H)	

ITEM No.		T-200	
SERVICE		OPEN DRAIN SKIMMER TANK	
DESIGN PRESS.	TEMP.	ATM+WATER FULL	AMBIENT
MATERIAL		CS (LINED)	
CAPACITY		5 m³	
DIMENSIONS		2.5m(L) x 1.5m(W) x 1.4m(H)	

ITEM No.		P-650	
SERVICE		OPEN DRAIN SKIMMER TANK PUMP	
DESIGN PRESS.	TEMP.	6 barg	60°C
CAPACITY		1.0 m³/hr	

ITEM No.		A-300	
SERVICE		COMPRESSED AIR PACKAGE	
DESIGN PRESS.	TEMP.	13.8 barg	120°C
OP PRESS.	TEMP.	10 barg	40°C
CAPACITY		2 x 194 m³/h	
MOTOR RATING		2 x 30 kW	

ITEM No.		V-1000	
SERVICE		INSTRUMENT AIR RECEIVER	
DESIGN PRESS.	TEMP.	13.8 barg	120°C
OP PRESS.	TEMP.	10 barg	AMBIENT
DIMENSIONS		1.5m (ID) x 3.5m (H)	

ITEM No.		A-400	
SERVICE		NITROGEN PACK	
DESIGN PRESS.	TEMP.	MANUFACTURER STD	
OP PRESS.	TEMP.	5.0 TO 8.0 barg	–°C

ITEM No.		T-300	
SERVICE		DEISEL FUEL STORAGE TANK	
DESIGN PRESS.	TEMP.	LIQ. FULL + 0.1 barg	50°C
OP PRESS.	TEMP.	ATM PRESS	35°C
CAPACITY		3 m³	

ITEM No.		P-670	
SERVICE		DIESEL FUEL TRANSFER PUMP	
DESIGN PRESS.	TEMP.	8 barg	50°C
CAPACITY		3 m³/hr	
DRIVER POWER		0.13 kW	

ITEM No.		V-1100	
SERVICE		START-UP FUEL GAS SCRUBBER	
DESIGN PRESS.	TEMP.	13.0 barg	100°C
SIZE		0.25m (ID) x 1.65m (L)	
CAPACITY		0.5 MMscfd	

ITEM No.		E-100	
SERVICE		FUEL GAS COOLER	
DESIGN PRESS.	TEMP.	44.0 barg TUBE SIDE 13.0 barg SHELL SIDE	10°C/70°C
SIZE		0.26m (ID) x 2.0m (L)	
DUTY		20 KW	

ITEM No.		V-1200	
SERVICE		FUEL GAS COALESCER FILTER	
DESIGN PRESS.	TEMP.	13.0 barg	−10/100°C
SIZE		0.40m (ID) x 1.89m (T/T)	
CAPACITY		1.1 MMscfd	

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