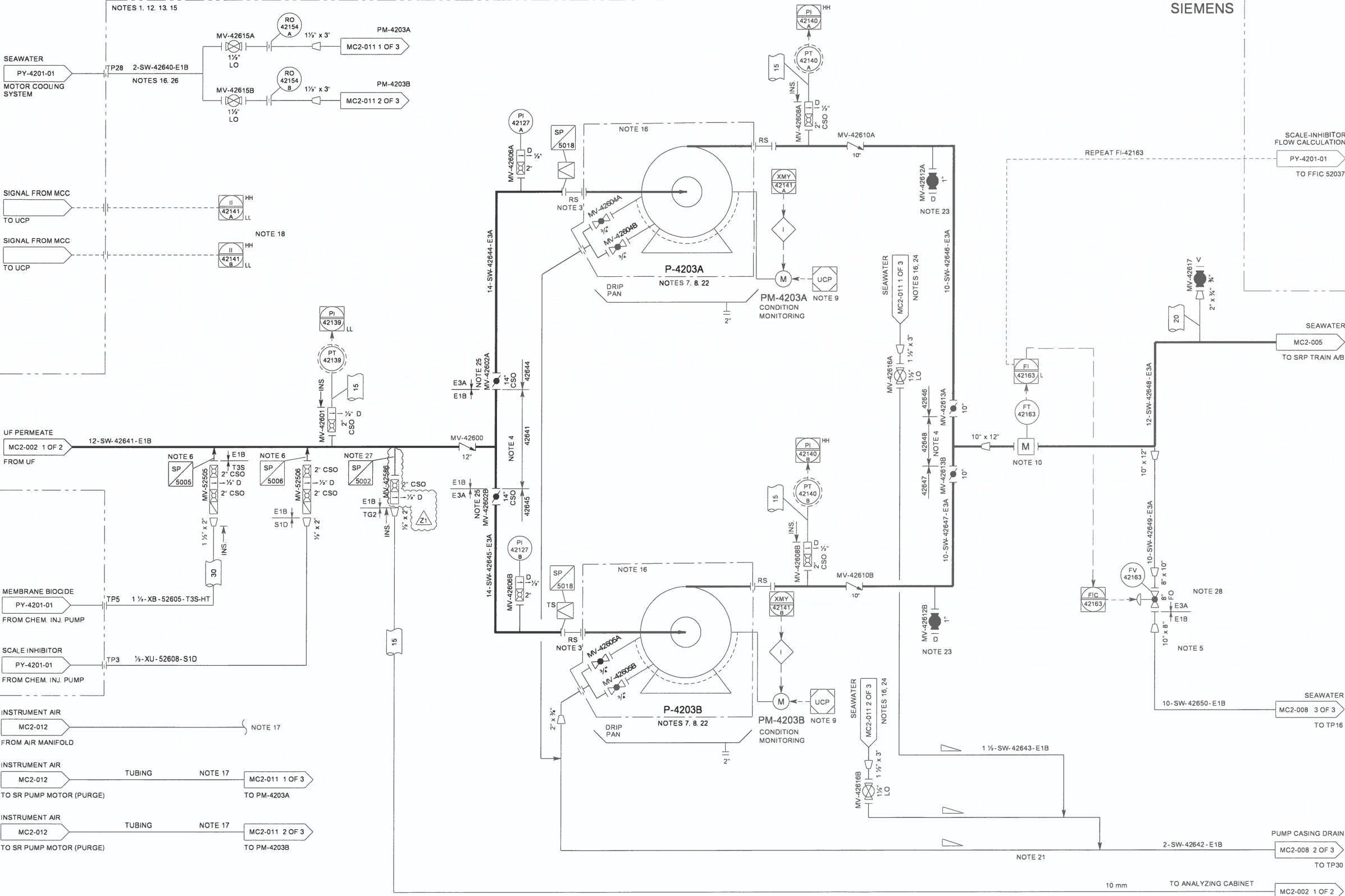


TAG NO	P-4203A/B
DESCRIPTION	SRP BOOSTER PUMPS 2x100% (CENTRIFUGAL)
MEDIUM	SEA WATER
CAPACITY	m ³ /h 884 (each)
OPERATING TEMPERATURE	°C 9-30 °C
OPERATING PRESSURE	barg 29.9-34.2
DESIGN TEMPERATURE	°C -7.6/55
DESIGN PRESSURE	barg 46 NOTE 14
DIFFERENTIAL HEAD	bar SINGLE PUMP 28.5 TWO PUMPS 32.8
RATED/ABSORBED POWER	kW 1200 / 940
DRIVER	E-MOTOR/EE x ep x
MATERIAL PUMP	WETTED PARTS SUPERDUPLEX
MATERIAL MOTOR	CAST IRON



NOTES

1. PIPING TO BE INSTALLED WITH HIGH POINT VENT AND LOW POINT DRAIN.
2. PIPING TO HAVE NO STAGNANT REGIONS OR DEAD LEGS.
3. DELETED
4. TEMPORARY CONICAL STRAINERS SP-5018 AT START UP. TO BE REMOVED AFTER COMMISSIONING.
5. PIPING TO BE AS SYMMETRICAL AS POSSIBLE.
6. LOOP SEAL TO PREVENT VACUUM DOWNSTREAM CONTROL VALVE.
7. INJECTION QUILL.
8. MINIMUM 2M STRAIGHT LENGTH UPSTREAM PUMP INLET.
9. PUMPS INSTALLED ARE SELF VENTING & HAVE DRAIN PIPE CONNECTIONS WITH 3/4" VALVE AND FLANGE.
10. LOCAL EMERGENCY STOP. HARDWIRED START AND STOP COMMANDS FROM UCP TO MCC (CLIENT SUPPLY).
11. 50 STRAIGHT LENGTH UPSTREAM AND 3D STRAIGHT LENGTH DOWNSTREAM FLOWMETER.
12. DELETED
13. BUTTERFLY VALVES ARE TRIPLE OFFSET.
14. REFER TO P&ID LEGEND 168397-100-PR-PL0001-01 TO 0012-001.
15. MAXIMUM ALLOWABLE WORKING PRESSURE. MAWP 46barg @9°C
16. ALL MANUAL VALVES CAN BE LOCKED WITH PAD LOCK OR CAR SEAL.
17. REFER TO SUPPLIER P&ID NO. 168397-200-PO-3363-MC2-011.
18. REFER TO P&ID 168397-200-PO-3363-MC2-012 FOR DETAILS.
19. BOOSTER PUMP CURRENT SIGNAL II-42141A/B.
20. DELETED
21. NO HEAT TRACING REQUIRED. RUNNING WATER ON STANDBY PUMP.
22. HEAT TRACING FOR PUMP SUMP.
23. CONNECTION TO A FLEXIBLE HOSE FOR PIPE DRAINING TO NEAREST GULLY WHEN REQUIRED.
24. MOTOR COOLING WATER.
25. VALVE TO BE CSO FOR BOTH, ONE-PUMP AND TWO-PUMPS OPERATING CASES.
26. NO HEAT TRACING & INSULATION REQUIRED AS SLIP STREAM WILL BE PROVIDED ON THE STANDBY PUMP. IF THE MOTOR IS REMOVED, A SPOOL PIECE (BY SIEMENS) WILL BE INSTALLED TO SECURE A SLIP STREAM.
27. SAMPLE TAKE-OFF INCLUDES QUILL.
28. CONTROL VALVE SUPPLIED WITH MAXIMUM STOP.

HOLDS

1. DELETED

2. DELETED

3. DELETED

4. DELETED

5. DELETED

6. DELETED

TIE-IN	SIZE	TYPE	RATING	SERVICE
TP3	1/2"	RF	SCHEDULE 80S, #150	SCALE INHIBITOR
TP5	1 1/2"	RF	SCHEDULE 80S, #300	MEMBRANE BIOCIDES
TP28	2"	RF	SCHEDULE 10S, #150	SEA WATER

Revision 10 - Issued As-Built by CB&I as per CNOOC Site Red Line Mark-Up.

SIEMENS DRAW: 51PO-03733.410-H-004

SIEMENS REV: 09

REV	DATE	DESCRIPTION	DRN	CHK	APP	CLT
09	09.07.2013	AS-BUILT	VM	DC	MM	CB
08	22.08.2012	RE-ISSUED FOR CONSTRUCTION	VM	DC	MM	CB
07	04.07.2012	ISSUED FOR CONSTRUCTION	VM	DC	MM	CB
06	19.04.2012	ISSUED FOR APPROVAL	VM	DC	MM	CB
05	09.03.2012	RE-ISSUED FOR COMMENTS	VM	DC	MM	CB
Z1	11/02/20	AS-BUILT FOR GIC0088				

CNOOC Golden Eagle Area Development

VENDOR: SIEMENS

EQUIPMENT TITLE: PIPING & INSTRUMENT DIAGRAM (P&ID)

DATE: 11/02/20

EQUIPMENT TAG NO(S): P-4203A/B

GEAD Vendor Document Number

Purchase Order Number	Doc Type	Seq No	Rev.	DATE
168397-200-PO-3363-MC2-004			Z1	11/02/20

INCLUDES DOCUMENT CODES: TOTAL SHEETS: 1

F Final (accepted) - manufacturing may proceed.

A Qualified Release - revise and re-submit. Manufacturing may proceed subject to incorporation of comments.

R Rejected - revise and re-submit. Manufacturing may not proceed.

I Accepted for information only.

Review of Vendor documents does not relieve Vendor of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Vendor and does not relieve the Vendor from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.

Engineer: _____ Date: _____

FILENAME: S:\PROJECTS\ENGINEERING\GOLDEN EAGLE\168397-200-PO-3363-MC2-004_Z1.DWG (PRINTED 18/02/2020 09:13:05)