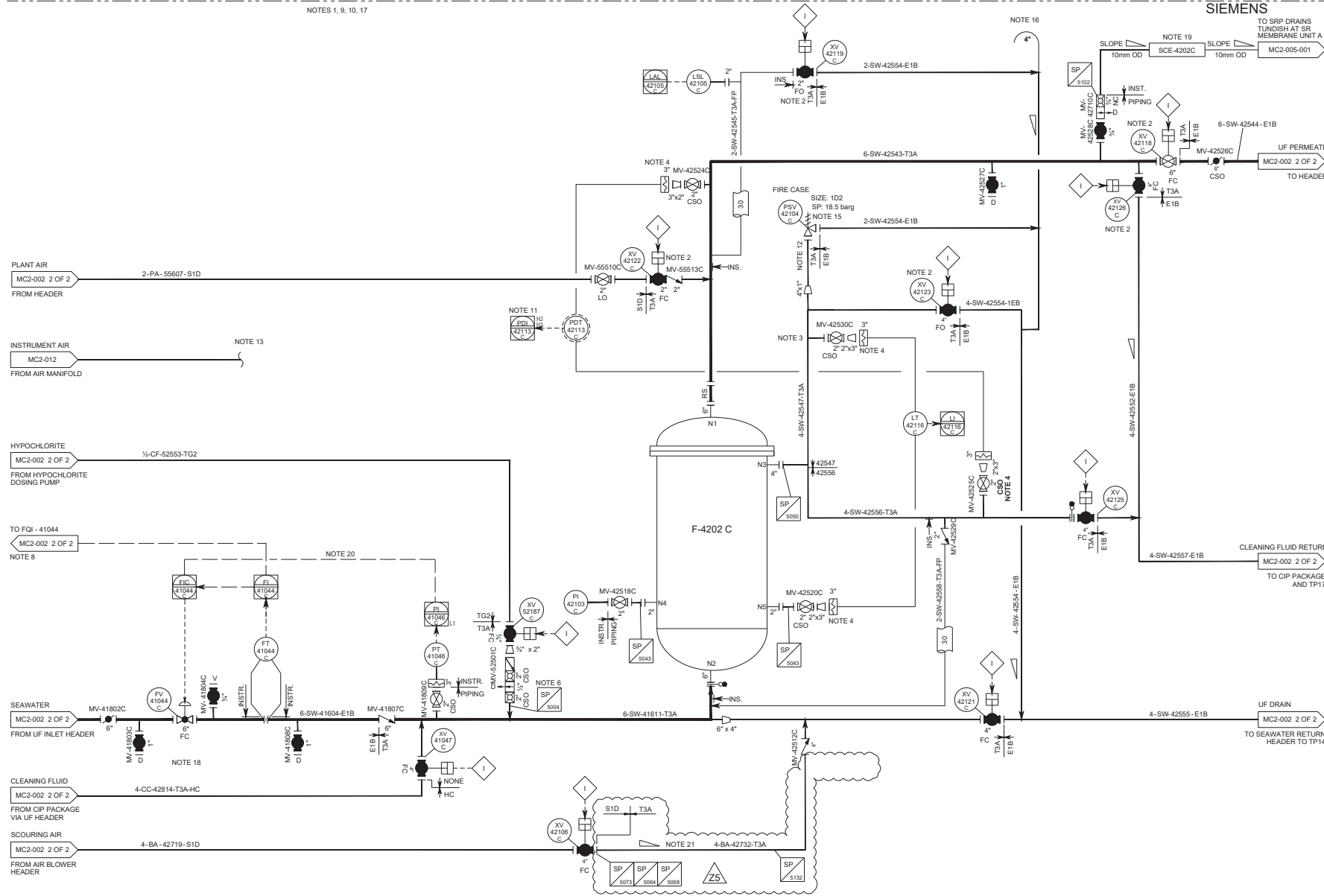


TAG NO	F-4202C
DESCRIPTION	ULTRA FILTRATION MEMBRANE UNIT VESSEL 1x29% (1 OF 7)
MEDIUM	SEA WATER
CAPACITY (EACH)	m³/h
FILTER PERFORMANCE μ	0.1
OPERATING TEMPERATURE $^{\circ}$C	9-30
OPERATING PRESSURE	barg 2-8
DESIGN TEMPERATURE $^{\circ}$C	-7.6 / 55
DESIGN PRESSURE	PSI / 18.5
DIMENSION EXITT	13.0 / 0.76 (mm/inch)
WEIGHT DRY/OPERATING/FLOODED	ton 2.4 / 5.4 / 5.4
MATERIAL VESSEL	GRE

NOTES 1. 9. 10. 17



NOTES

1. PIPING TO BE INSTALLED WITH HIGH POINT VENT AND LOW POINT DRAIN. PIPING TO HAVE NO STAGNANT REGIONS OR DEAD LEGS.
2. AIR TIGHT VALVES
3. LEVEL OF UPPER NOZZLE OF LT-1216A SHALL BE SLIGHTLY ABOVE TOP OF VESSEL UPPER PLATE.
4. CAPILLARY INSTRUMENT REMOTE SEAL DIAPHRAGM SEAL TO BE SUPPLIED WITH FLUSHING RING.
5. DELETED.
6. INJECTION POINT INCLUDES QUILL.
7. DELETED.
8. INDIVIDUAL SIGNAL IS SENT TO UCP FOR CALCULATION AND TOTALISED FLOW FQI-1104A FROM ALL UF FILTERS TO ICSS (HARDWIRED).
9. REFER TO P&ID LEGEND 168397-100-PR-PI-0001-1 TO 0012-01.
10. ALL MANUAL VALVES CAN BE LOCKED WITH PAD LOCK OR CAR SEAL.
11. THE PRESSURE DROP SHOWN IS CORRECTED ACCOUNTING TO TEMPERATURE AND FLOW (NORMALIZED TMP) ON HIGH ΔP (H2) UF FILTER IS SET TO NOT AVAILABLE AND OPERATOR TO INITIATE CIP SEQUENCE.
12. PVP INSTALLED ON PIPING TO SECURE LITTLE OR NO AIR ENTRAPMENT.
13. REFER TO P&ID 168397-200-PO-3363-MC2-012 FOR DETAILS.
14. DELETED.
15. NO BACK PRESSURE DOWNSTREAM PIPING AS GOOSENECK IS OPEN TO ATM.
16. PRESSURE AT TP1 DURING DRAINING IS 6.7 BARG. WATER IS VENTED THROUGH GOOSENECK DURING DRAINING.
17. ALL ON/OFF VALVES ARE PROVIDED WITH MANUAL SWITCHES.
18. CONTROL VALVE SUPPLIED WITH MECHANICAL MAXIMUM STOP.
19. REFER TO P&ID NO. 168397-100-PR-PI-0012-02 FOR SAMPLE CONNECTION DETAILS.
20. THE FLOW SWITCHES TO PRESSURE CONTROL. WHEN THE PRESSURE REACHES 7.8BAR WITH THE VESSEL IN NORMAL OPERATION.
21. MIN. SLOPE 1:100

SIEMENS DRW: 51PO-03733.410-H-003			SIEMENS REV: 01			
09	09/07/2013	AS-BUILT	VM	DC	MM	CB
Z5	07/10/21	AS-BUILT FOR GMOC0096	TPK	TF	JL	TR
14	10/01/20	AS-BUILT FOR GMOC0416	NE	TF	JL	TR
Z3	30.03.2018	AS-BUILT FOR GMOC0108	LM	JL	JL	TR
Z2	25.10.2017	AS-BUILT FOR GMOC0096	LM	SB	SB	TR
Z1	26.10.2016	AD-HOC AS-BUILT	LM	AH	RA	RA
REV	DATE	DESCRIPTION	DRN	CHK	APP	CL

Nexen Petroleum (U.K.) Limited Golden Eagle Area Development							
VENDOR : SIEMENS (AMEC FW)							
EQUIPMENT TITLE : PIPING & INSTRUMENT DIAGRAM (P&ID) ULTRATHIN MEMBRANE UNIT							
EQUIPMENT TAG NO(S) : F-1202 C							
GEAD Vendor Document Number							
Purchase Order Number	Doc Type	Seq. No.	Shi. No.	Rev.	DATE		
166397-200-PO-3363	WC2	003	03	7	07/10/02		
INCLUDES DOCUMENT CODES :				TOTAL SHEETS : 3 OF 7			
F	Final	Accepted (as-is) - manufacturing may proceed.					
A	Accepted	Release - review and re-submit. Manufacturing may proceed subject to incorporation of comments.					
R	Rejected	- revise and re-submit. Manufacturing may not proceed.					
		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 method 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:
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