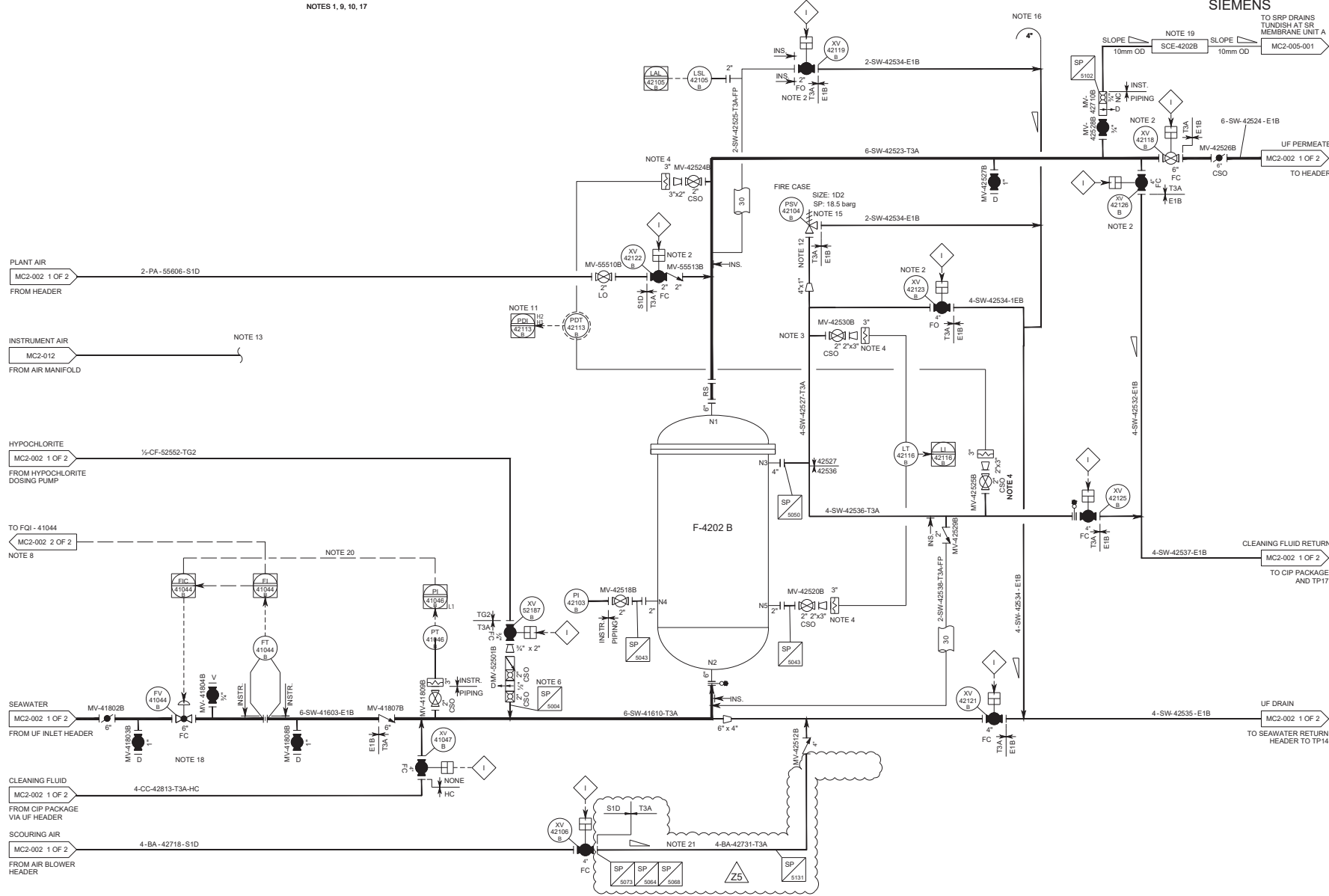


TAG NO	F-4202B
DESCRIPTION	ULTRA FILTRATION MEMBRANE UNIT VESSEL 1x20% (1 OF 7)
MEDIUM	SEA WATER
CAPACITY (EACH)	m <sup>3</sup> /h 180
FILTER PERFORMANCE	μ 0.1
OPERATING TEMPERATURE	°C 9-30
OPERATING PRESSURE	barg 2-8
DESIGN TEMPERATURE	°C -7.6 / 55
DESIGN PRESSURE	barg FV / 18.5
DIMENSION IDXTT	(mmmm) 1310 / 1775
WEIGHT DRY/OPERATING/FLOODED	ton 2.4 / 5.4 / 5.4
MATERIAL VESSEL	GRE

NOTES 1, 9, 10, 17



NEXEN  
SIEMENS

## 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-42116A 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-41044 FROM ALL UF FILTERS TO ICSS (HARDWIRED).
9. REFER TO PAID LEGEND 168397-100-PR-P1-0001-01 TO 0012-01.
10. ALL MANUAL VALVES CAN BE LOCKED WITH PAD LOCK OR CAR SEAL.
11. THE PRESSURE DROP SHOWN IS CORRECTED ACCORDING TO TEMPERATURE AND FLOW (NORMALIZED TMP). ON HIGH HP (HG) UF FILTER IS SET TO NOT AVAILABLE AND OPERATOR TO INITIATE CIP SEQUENCE.
12. PSV INSTALLED ON PIPING TO SECURE LITTLE OR NO AIR ENTRAPMENT.
13. REFER TO PAID 168397-200-PO-3363-MC2-012 FOR DETAILS.
14. DELETED.
15. NO BACK PRESSURE DOWNSTREAM PSV AS GOOSENECK IS OPEN TO ATM.
16. PRESSURE AT TP14 DURING DRAINING IS 0.7 BARG. WATER IS VENTED THROUGH GOOSENECK DURING DRAINING.
17. ALL ON/OFF VALVES ARE PROVIDED WITH LIMIT SWITCHES.
18. CONTROL VALVE SUPPLIED WITH MECHANICAL MAXIMUM STOP.
19. REFER TO PAID NO. 168397-100-PR-P1-0012-02 FOR SAMPLE CONNECTION DETAILS.
20. THE FLOW CONTROL SWITCHES TO PRESSURE CONTROL, WHEN THE PRESSURE REACHES 7.8BAR WITH THE VESSEL IN NORMAL OPERATION.
21. MIN. SLOPE 1:100

SIEMENS DRW:			SIEMENS REV:			
51PO-03733 410-H-003			09			
09	09/07/2013	AS-BUILT	VM	DC	MM	CB
Z5	07/10/21	AS-BUILT FOR GMOC0096	TPK	TF	JL	TR
Z4	10/01/20	AS-BUILT FOR GMOC0416	NE	TF	JL	TR
Z3	30/03/18	AS-BUILT FOR GMOC0108	LM	JL	JL	TR
Z2	25/10/17	AS-BUILT FOR GMOC0096	LM	SB	SB	TR
Z1	26/10/16	AD-HOC AS-BUILT	LM	AH	AH	RA
REV	DATE	DESCRIPTION	DRN	CHK	APP	CLT
Nexen Petroleum (U.K.) Limited Golden Eagle Area Development						
VENDOR : SIEMENS (AMEC FW)						
EQUIPMENT TITLE: PIPING & INSTRUMENT DIAGRAM (P&ID) ULTRAFILTRATION MEMBRANE UNIT						
EQUIPMENT TAG NO(S) : F-4202 B						
DEAD Vendor Document Number						
Purchase Order Number		Doc Type	Seq. No.	Shi. No.	Rev.	DATE
168397-200-PO-3363 -		MC2 -	003 -	02	Z5	07/10/21
INCLUDES DOCUMENT CODES :			TOTAL SHEETS : 2 OF 7			
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:	