

ITEM 115-F-102
SERVICE C4 SAND GUARD FILTER
DESIGN PRESS 240 bar g
DESIGN TEMP 85°C

ITEM 115-E-102
SERVICE C4 MOLECULAR SIEVES FEED/EFFLUENT EXCHANGER
TYPE A1 OR BEU
DUTY SURFACE 0.426 MW/20.1 m²
DESIGN PRESS 11.0 bar g
DESIGN TEMP 325°C
INSULATION H H

ITEM 115-H-101
SERVICE C4 MOLECULAR SIEVES REGENERATION ELECTRICAL HEATER
DUTY 504.2 kW
DESIGN PRESS 11.7 bar g
DESIGN TEMP 340°C

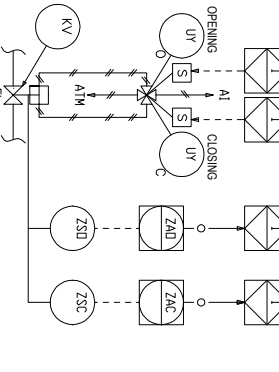
- NOTES
- 1 - INSTRUMENTS AND CONTROL SYSTEM FOR EACH HEATER PASS WILL BE FINALIZED AFTER RECEIVING VENDOR DATA.
 - 2 - RAMP OPERATION IS REQUIRED.
 - 3 - VOTING SYSTEM SCS IS ACTIVATED BY AT/FAST/NO TSH.
 - 4 - TA-0021 LOW TEMPERATURE IS ALARM ONLY.
 - 5 - FA-0021 HIGH FLOW IS ALARM ONLY.
 - 6 - IF THE ADSORPTION PHASE END, BEFORE REGENERATION PHASE IS FINISHED, THESE QUENCH IS STOPPED AND UNIT 115 WILL BE SHUTDOWN.
 - 7 - IN CASE OF HEATER TRIP, ALL VALVES IN REGENERATION CYCLE TO BE CLOSED.

HOLDS
1 - DELETED.
2 - DELETED.

GENERAL NOTES

ALL INSTRUMENT TAGS TO READ:
LETTERS NUMBER
1151 FFF NNN

DETAIL A (ON/OFF VALVE)



THIS P&ID IS BASED ON DRAWING NO. 115SPD-468 SUPPLIED BY AXENS.

EQUIPMENT LIST

EXCHANGER	FILTER	HEATER
115-E-102	115-H-101	

UTILITY PID NUMBER

FB17	PD-1718-186-0040004
DP	PD-1718-186-0040005

7	22/06/13	APPROVED FOR CONSTRUCTION	Q162	SD	SM	SM	RM
6	07/05/12	APPROVED FOR CONSTRUCTION	Q163	SM	MM	SM	RM
5	28/11/10	APPROVED FOR CONSTRUCTION	Q163	SM	MM	SM	RM
4	08/10/10	APPROVED FOR CONSTRUCTION	Q163	SM	MM	SM	RM
3	12/12/09	APPROVED FOR DESIGN	Q163	SM	MM	SM	RM
2	03/08/09	ISSUED FOR COMMENT	Q163	SM	MM	SM	RM
1	28/11/08	APPROVED FOR DESIGN	Q163	SM	MM	SM	RM
0	08/08/08	ISSUED FOR HAZOP	Q163	SM	MM	SM	RM

SOUTH PARS GAS FIELD DEVELOPMENT PHASES 17&18
ASSALUYEH-HIRAN
ONSHORE FACILITIES



PROJECT NO: POCC-SH-801-244

DOC CLASS 1

SCALE N/A



UNIT 115: BUTANE TREATMENT AND DRYING
BUTANE FILTRATION & REGENERATION ELECTRICAL HEATER
PIPING AND INSTRUMENT DIAGRAM

DRAWING No. PID-1718-115-0030-0104

REVISION 7

