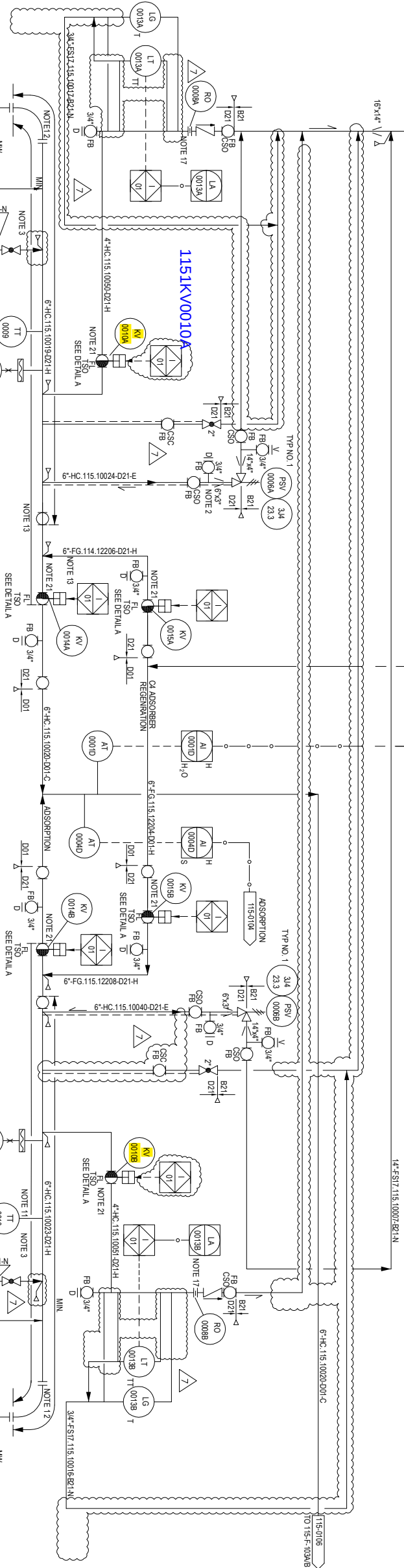


ITEM	115-R-101 AB
SERVICE	C4 MOLECULAR SIEVES ADSORBERS
ID/TL-JL	2000mm x 10650mm
MODE	ADSORPTION
DESIGN PRESS	24.0 bar g
INSULATION	107 bar g
TEMP	340°C
YES	



NOTES

- PRESERVE OF PG POSSIBILITY OF PRESSURE WAVES IN CASE OF MISOPERATION MINIMUM DISTANCE BETWEEN TWO VALVES SHALL BE 600mm
- PSV CONNECTED AT HIGH POINT AS CLOSE AS POSSIBLE TO ADSORBERS OUTLET
- LINE DIAMETER TO BE CONFIRMED BY ENGINEERING ACCORDING TO PSV RELIEF LOAD
- DELETED
- PROVIDE ENOUGH SPACE FOR ADSORBENT UNLOADING
- FOR ADSORBER FILLING UP AT START-UP
- VALVE EQUIPPED WITH AIR RESERVE
- FIRE RESISTANT VALVE, ALL INSTRUMENTS, BOX, PROTECTION TUBING, CABLES, ETC., WILL BE SELECTED AND CLASSIFIED ACCORDING TO THIS PROTECTION
- AIR RESERVE TO BE SIZED TO BE ABLE TO COMMAND FOR 4 STROKES VALVE OPERATING DURING AIR INSTRUMENT FAILURE
- VALVE TO BE LOCATED AT HIGH POINT
- MINIMUM DISTANCE FROM C4 MOLECULAR SIEVES ADSORBERS
- REMOVABLE ELBOW
- THESE LINES MUST BE INSULATED NOT USING ALL VALVES INSULATION
- CONSIDER SPACE HEATING TO OCCUR DURING START-UP
- IF PRESSURE < 8 barg DURING LIQUID FILLING PHASE CLOSE KV ON ADSORBER'S PSV BY-PASS LINE
- LINE LENGTH BETWEEN ADSORBERS AND ELECTRICAL HEATER
- TIGHTNESS TESTS OF ALL KV VALVES TO BE PERFORMED ON A REGULAR BASIS
- DETAILED ENGINEERING CONTRACTOR SHALL CHECK THAT NOT EXCEED THE FLUIDIZATION LIMIT
- NO PHASES FLOW LINES, NEEDED FOR REINFORCED ANCHORING
- BLOWDOWN LINE CAN BE SUBJECTED TO HIGH TEMPERATURE
- OPEN DRAIN CONNECTION
- RISING STEAM BALL VALVE

GENERAL NOTES

ALL INSTRUMENT TAGS TO READ:

LETTERS NUMBER

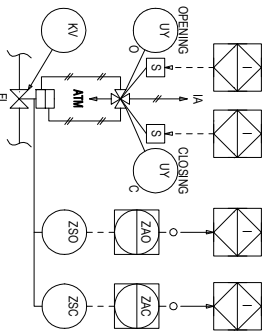
1151 FFFF NNNN

HOLDS

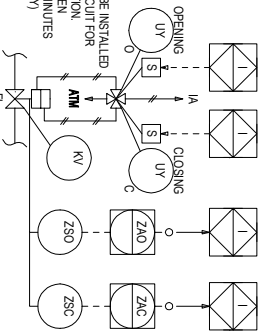
1-DELETED

2-DELETED

DETAIL A (ON/OFF VALVE)



DETAIL B (RAMP OPENING VALVE)



THIS P&ID IS BASED ON DRAWING NO. 115-SP-568 SUPPLIED BY AKENS.

EQUIPMENT LIST

ADSORBER	115-R-101AB
FS17	PD-1718-186-004-0004
DP	PD-1718-186-004-0005
UTILITY PID NUMBER	
N	PD-1718-186-004-0002

REV	DATE	DESCRIPTION	ORIG	CHKD	APPD	AUTHD
7	25/05/13	APPROVED FOR CONSTRUCTION	QIEG	SD	SM	RM
6	07/05/12	APPROVED FOR CONSTRUCTION	QIEG	SM	MM	RM
5	28/11/10	APPROVED FOR CONSTRUCTION	QIEG	SM	MM	RM
4	09/10/10	APPROVED FOR CONSTRUCTION	QIEG	SM	MM	RM
3	22/12/09	APPROVED FOR DESIGN	QIEG	SM	MM	RM
2	03/06/09	ISSUED FOR COMMENT	QIEG	SM	MM	RM
1	28/11/08	APPROVED FOR DESIGN	QIEG	SM	MM	RM
0	03/06/08	ISSUED FOR DESIGN	QIEG	SM	MM	RM

SOUTH PARS GAS FIELD DEVELOPMENT PHASES 17&18
ASSALUYEHIRANI
ONSHORE FACILITIES

PROJECT NO. POCG-SH-801-244

DOC. CLASS

SCALE

N/A

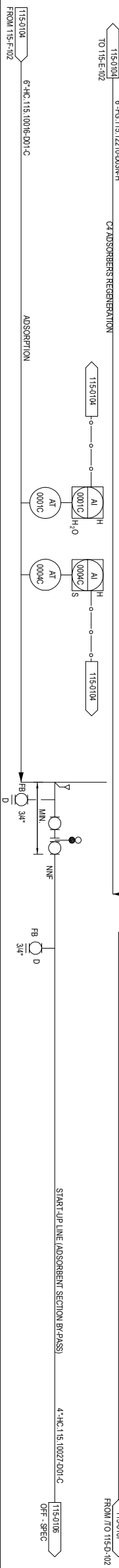


UNIT 115: BUTANE TREATMENT AND DRYING
C4 MOLECULAR SIEVES ADSORBER
PIPING AND INSTRUMENT DIAGRAM

DRAWING NO. PID-1718-115-0030-0105

REVISION

7



FROM 115-F-102

115-Q106

TO 115-E-102

6-HC.115.10016-D01-C

ADSORPTION

115-Q104

6-HC.115.10016-D01-NH

C4 ADSORBERS REGENERATION

115-Q104

AT

0001C

H₂O

AT

0001C

115-Q104

3-OP.115.10018-B23-U

DP

115-Q106

6-HC.115.10026-D21-C

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6-HC.115.10026-D21-C

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