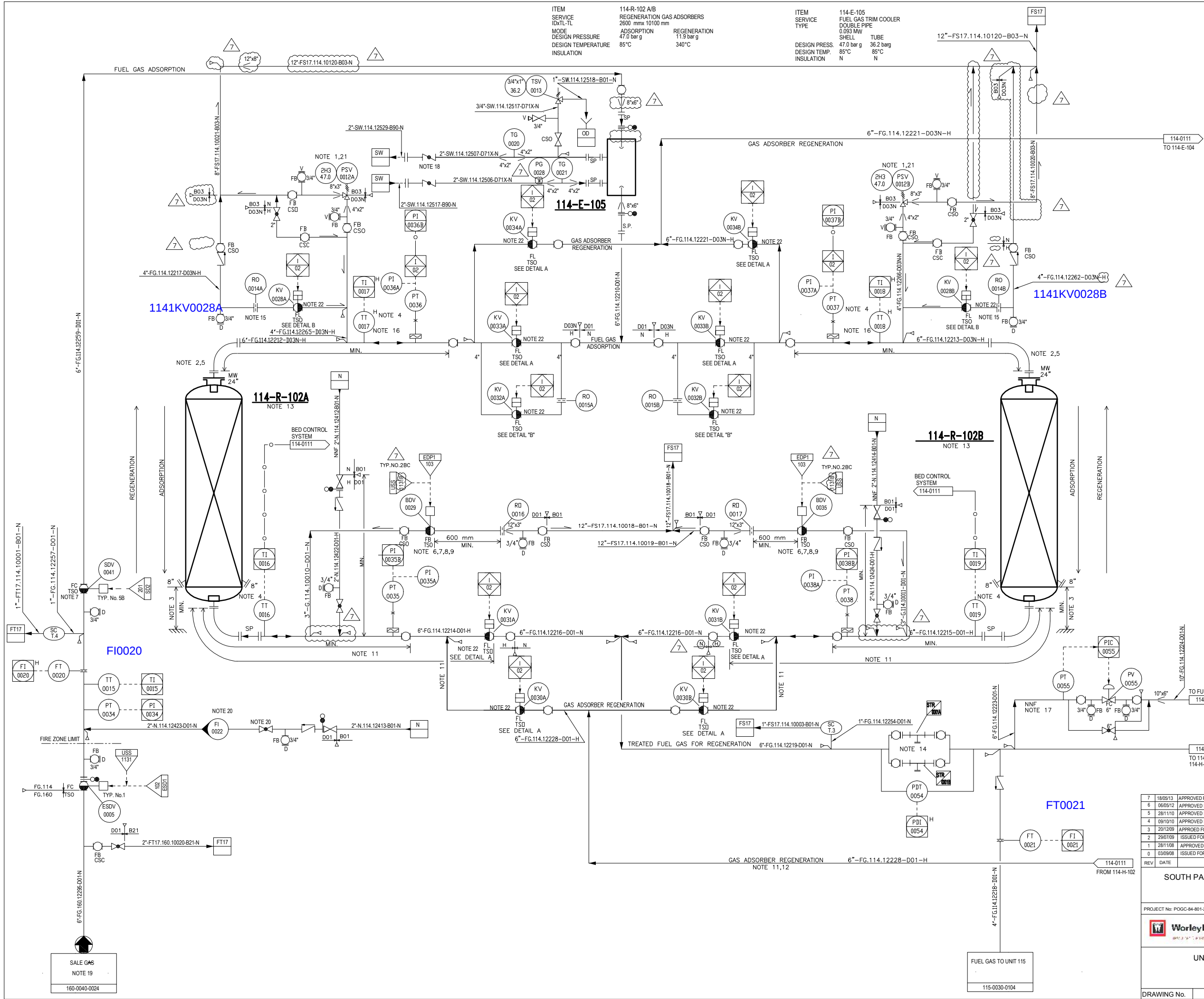




NOTES

- 1 - PSV CONNECTED AT HIGH POINT AS CLOSE AS POSSIBLE TO ADSORBERS OUTLET.
- 2 - LINE DIAMETER TO BE CONFIRMED BY ENGINEERING ACCORDING TO PSV RELIEF LOAD.
- 3 - PROVIDE ENOUGH SPACE FOR ADSORBER UNLOADING.
- 4 - MINIMUM DISTANCE FROM REGENERATION GAS ADSORBERS.
- 5 - REMOVABLE ELBOW.
- 6 - VALVE EQUIPPED WITH AIR RESERVE.
- 7 - FIRE RESISTANT VALVE (ALL INSTRUMENTS, BOX, PROTECTION, TUBING, CABLES, ETC., WILL BE SELECTED AND CLASSIFIED ACCORDING TO THIS PROTECTION).
- 8 - AIR RESERVE TO BE SIZED TO BE ABLE TO MAINTAIN THE VALVE CLOSED DURING 30 MINUTES OF INSTRUMENT AIR FAILURE.
- 9 - VALVE TO BE LOCATED AT HIGH POINT
- 10 - DELETED.
- 11 - THESE LINES MUST BE INSULATED INCLUDING ALL VALVES. INSULATION THICKNESS SHALL TAKE INTO ACCOUNT THAT HIGH TEMPERATURE IS OBTAINED BATCH WISE (NOT ON CONTINUOUS BASIS).
- 12 - LINE LENGTH BETWEEN ADSORBERS AND ELECTRICAL HEATER SHALL BE MINIMIZED (15 m MAXIMUM). NO POCKETS.
- 13 - TIGHTNESS TESTS OF ALL KV VALVES TO BE PERFORMED ON A REGULAR BASIS.
- 14 - FOR PROTECTION OF DOWNSTREAM FT'S.
- 15 - DETAILED ENGINEERING CONTRACTOR SHALL CHECK THAT WITH INSTALLED RO, FUEL GAS FLOW THROUGHOUT DOES NOT EXCEED THE FLUIDIZATION LIMIT.
- 16 - ALARM MUST BE AUTOMATICALLY SHUTDOWN DURING THE REGENERATION.
- 17 - INTERMITTENT SERVICE. LINE USED TO ENSURE CONSTANT FLOWRATE TO THE BURNERS IF NEEDED.
- 18 - IN NORMAL CONDITIONS VALVE IS NOT FULLY OPEN IN ORDER TO HAVE ENOUGH MARGIN FOR THE COOLING.
- 19 - SALE GAS FROM EXPORT COMPRESSOR SUCTION.
- 20 - FI-0022 TO BE READABLE FROM GLOBE VALVE.
- 21 - SPARE RELIEF VALVE STORED IN WAREHOUSE.
- 22 - RISING STEM BALL VALVE.

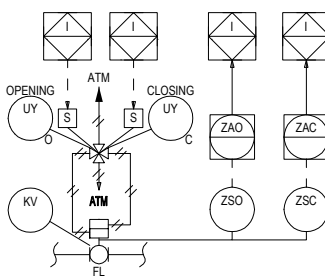
GENERAL NOTES

ALL INSTRUMENT TAGS TO READ:
LETTERS NUMBER
1141 FFFF NNNN

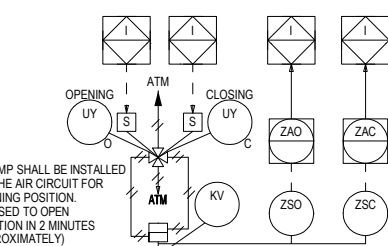
HOLDS

- 1-DELETED.
- 2-DELETED.
- 3-DELETED.

DETAIL A (ON/OFF VALVE)



DETAIL B (RAMP OPENING VALVE)



A RAMP SHALL BE INSTALLED ON THE AIR CIRCUIT FOR OPENING POSITION. CLOSED TO OPEN POSITION IN 2 MINUTES APPROXIMATELY

THIS P&ID IS BASED ON DRAWING NO. 114-5PD-10/13 SUPPLIED BY AXENS.

EQUIPMENT LIST	
EXCHANGER	ABSORBER
114-E-105	114-R-102A/B
UTILITY P&ID NUMBER	
FS17	PID-1718-186-0040-0004
N	PID-1718-186-0040-0002
FT17	PID-1718-186-0040-0004
SW	PID-1718-186-0040-0003

7	18/05/13	APPROVED FOR CONSTRUCTION	OIEC	SD	SM	SM	RM
6	06/05/12	APPROVED FOR CONSTRUCTION	OIEC	SM	MMH	MMF	RM
5	28/11/10	APPROVED FOR CONSTRUCTION	OIEC	SM	MA	MMF	AAP
4	09/10/10	APPROVED FOR CONSTRUCTION	OIEC	SM	MA	MMF	AAP
3	20/12/09	APPROVED FOR DESIGN	OIEC	SM	MA	MMF	AAP
2	29/07/09	ISSUED FOR COMMENT	OIEC	SM	MA	MMF	AAP
1	28/11/08	APPROVED FOR DESIGN	WP	SH	AJ	RPW	RC
0	03/09/08	ISSUED FOR HAZOP	WP	SH	AJ	RPW	RC
REV	DATE	DESCRIPTION	ORIGI	PRP	CHD	APPD	AUTHD

SOUTH PARS GAS FIELD DEVELOPMENT PHASES 17&18				POGC	
ASSALUYEH-IRAN				POGC	
ONSHORE FACILITIES				POGC	
PROJECT No: POGC-84-801-244		DOC CLASS		1	SCALE: N/A
WorleyParsons		IDRO		OIEC	
UNIT 114: PROPANE TREATMENT AND DRYING		REGENERATION SECTION 1/4		PIPING AND INSTRUMENT DIAGRAM	
DRAWING No.		PID-1718-114-0030-0110		REVISION	
				7	