

ITEM
SERVICE
TYPE
CAPACITY
DIFF PRESS
ABSORBED POWER

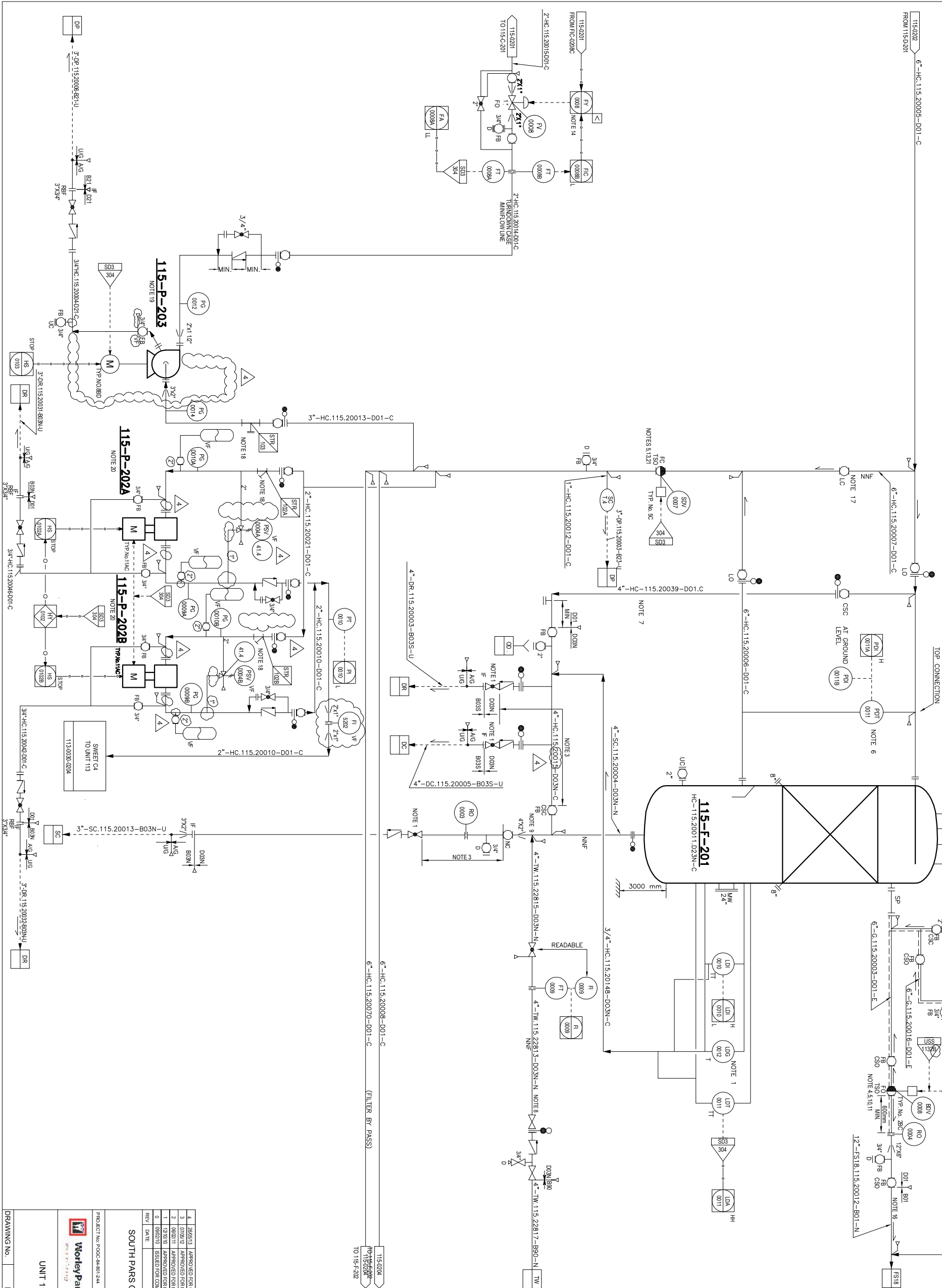
115-P-202 AB (2x100%)
SWEET CA PUMPS
RECIPROCATING
3.1 m³/h
26.4 bar
3.7 kW

ITEM
SERVICE
TYPE
CAPACITY
DESIGN TEMP
INSULATION

115-F-201
CA SAND FILTER
220 mm x 480 mm
24.0 F.V./lang
85°C
YES

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DIFF PRESS
ABSORBED POWER

115-P-203
CA TURNDOWN PUMP
CENTRIFUGAL
10.3 m³/h
6.4 bar
12.1 kW



NOTES

1. LUG ON 115-F-201 TO BE READABLE FROM GLOBE VALVES ON DRAIN LINES.
2. SAND BED.
3. PRESENCE OF CA POSSIBILITY OF FREEZING VALVES IN CASE OF MISOPERATION. MINIMUM DISTANCE BETWEEN 2 VALVES SHALL BE 800 mm.
4. VALVE EQUIPPED WITH AIR RESERVE.
5. FIRE RESISTANT VALVE. ALL INSTRUMENTS BOX PROTECTION TUBING, CABLES ETC. WILL BE SELECTED AND CLASSIFIED ACCORDING TO THIS PROTECTION.
6. LOCATE DELTA P CELL AT LOW POINT. SELF DRAINING LESS.
7. FILTER BACKWASH DRAINING.
8. FOR SAND FILTER BACKWASHING.
9. CONNECTION ON TOP OF THE LINE.
10. AIR RESERVE TO BE SIZED TO BE ABLE TO COMMAND FOR 3 STROKES VALVE OPERATING DURING AIR INSTRUMENT FAILURE.
11. VALVE LOCATED AT HIGH POINT.
12. DELETED.
13. ISOLATION VALVE TO BE LOCATED AT MINIMUM DISTANCE FROM 115-F-201.
14. SEE SPECIAL LOOP DESCRIPTION IN SECTION 4 OF PROCESS DATA BOOK.
15. SPARE RELIEF VALVE STORED IN WAREHOUSE.
16. TWO PHASES FLOW LINE NEEDED FOR REINFORCED ANCHORING.
17. SAND FILTER BY-PASS FOR MAINTENANCE.
18. FOR FILTER ARRANGEMENT REFER TO TABLE 'A' ON PID-1718-999-003-006.
19. OPERATOR TO START THE PUMP WHEN IT IS NECESSARY.
20. PSV, PLUSTON DAMPENER AND ALL REQUIRED ACCESSORIES AS PER PROJECT SPECIFICATION SHALL BE SUPPLIED BY PUMP VENDOR.
21. SDV-0007 CLOSED INDICATION TRIPS CA TURNDOWN PUMP.
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GENERAL NOTES

ALL INSTRUMENT TAGS TO READ:
LETTERS NUMBER
1152 FFFF NNNN

HOLDS

1. DELETED.
2. DELETED.
3. DELETED.
- 4.

THIS P&ID IS BASED ON DRAWING NO. 115-970.3-8 SUPPLIED BY AXENS.

EQUIPMENT LIST

ITEM	DESCRIPTION	QUANTITY	UNIT
115-F-201	SAND FILTER	1	EA
115-P-202	RECIPROCATING PUMP	2	EA
115-P-203	TURNDOWN PUMP	1	EA

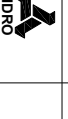
UTILITY PID NUMBER

FS18	PID-1718-186-004-0204	DC	PID-1718-186-004-0205
DP	PID-1718-186-004-0205	DR	PID-1718-186-004-0206
TW	PID-1718-186-004-0203	SC	PID-1718-186-004-0205

4	2024/11	APPROVED FOR CONSTRUCTION	QC1	SD	SM	SM	SM	SM	SM
3	2024/12	APPROVED FOR CONSTRUCTION	QC2	SM	MA	MA	MA	MA	MA
2	2024/11	APPROVED FOR CONSTRUCTION	QC3	SM	MA	MA	MA	MA	MA
1	2024/10	APPROVED FOR CONSTRUCTION	QC4	SM	MA	MA	MA	MA	MA
0	2024/10	SILED FOR COMMENT	QC5	SM	MA	MA	MA	MA	MA
REV	DATE	DESCRIPTION	QC6	SM	MA	MA	MA	MA	MA

SOUTH PARS GAS FIELD DEVELOPMENT P HASES 17&18
ASSALUYEH-IRAN
ONSHORE FACILITIES

PROJECT NO. POC-CA-801-244



UNIT 115: BUTANE TREATMENT AND DRYING - PHASE 18
FILTRATION SECTION (TRAIN 2)
PIPING AND INSTRUMENT DIAGRAM

DRAWING NO. PID-1718-115-0030-0203