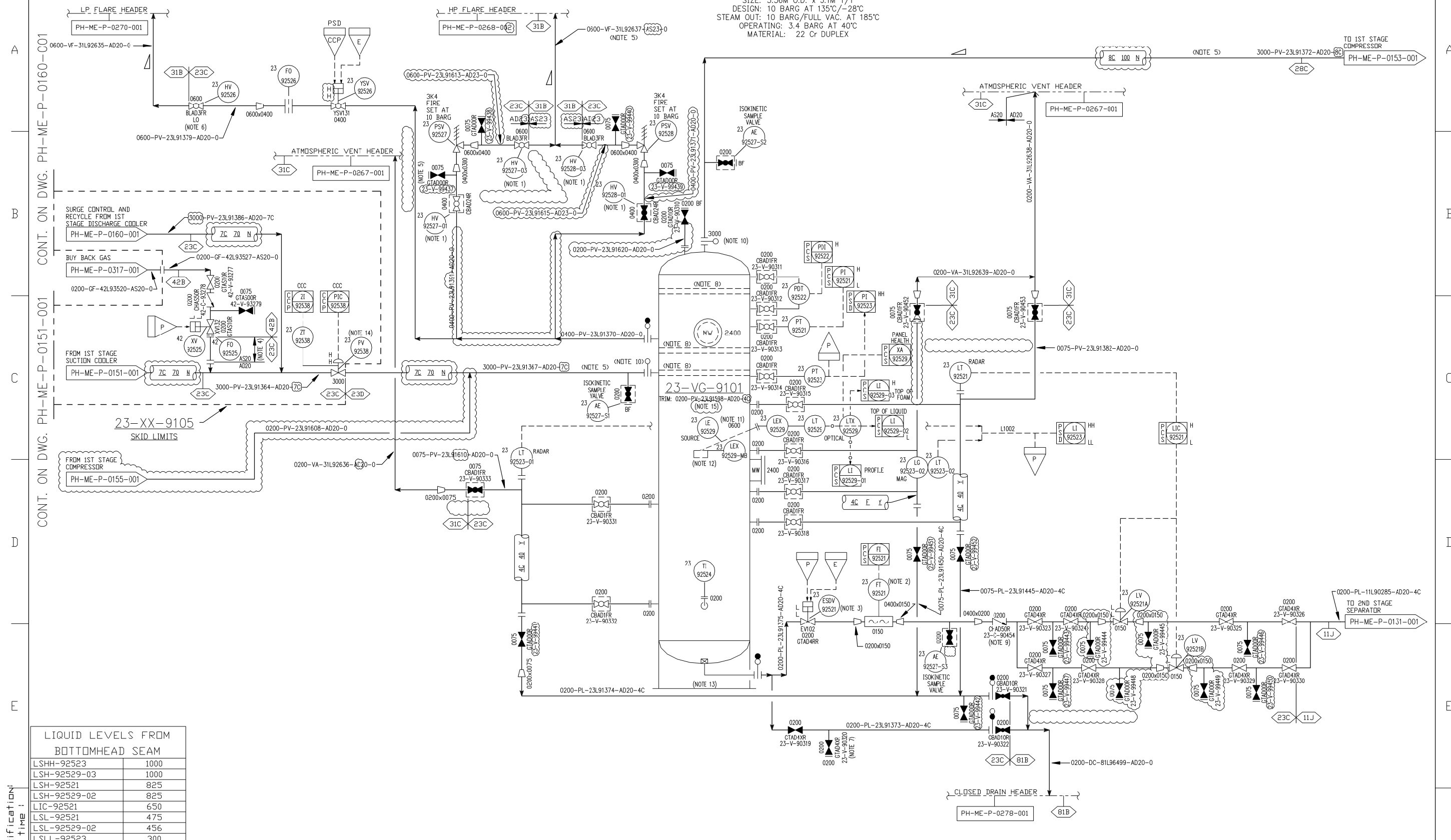


23-XX-9105
1st STAGE SUCTION/DISCHARGE COOLER SKID

23-VG-9101
1st STAGE SUCTION SCRUBBER
SIZE: 3.36M O.D. x 5.1M T/T
DESIGN: 10 BARG AT 135°C/-28°C
STEAM OUT: 10 BARG/FULL VAC. AT 185°C
OPERATING: 3.4 BARG AT 40°C
MATERIAL: 22 Cr DUPLEX



LIQUID LEVELS FROM BOTTOMHEAD SEAM

LSSH-92523	1000
LSH-92529-03	1000
LSH-92521	825
LSH-92529-02	825
LIC-92521	650
LSL-92521	475
LSL-92529-02	456
LSLL-92523	300

- NOTES:
- KEY INTERLOCKED VALVE.
 - LIQUID ULTRASONIC METER PROVIDE STRAIGHT RUN OF 10D UPSTREAM AND 5D DOWNSTREAM.
 - LOCATE AS CLOSE TO THE VESSEL AS PRACTICAL.
 - MINIMUM 1" METER SEPARATION.
 - DO NOT POCKET.
 - KEY LOCKED VALVE.
 - NE AND STEAM INJECTION AT 2" DRAIN VALVE.
 - INTERVALS
 - ANTI-SLAM DESIGN.
 - SPADE & SPACER TYPE PROVIDE SPADE STAND AT EACH LOCATION TO PREVENT MISPLACING SPADE.
 - 6" NOZZLE FOR PROFILER TO DETECT FOAMING. MOUNT NOZZLE 45° FROM THE VERTICAL.
 - SUPPORT DETAILS BY VESSEL VENDOR.
 - VESSEL SKIRT.
 - ACTUATOR TO HAVE TRAVEL STOP SET AT A POSITION EQUIVALENT TO CV=1500 (TO LIMIT CLOSURE).
 - 4C INSULATION IS NOT REQUIRED ON TRIM IN VAPOR SERVICE.

REV	DATE	BY	DESCRIPTION	CHK	ENGR	APPR	CLIENT
2	15OCT08	CDB	RE-ISSUED FOR CONSTRUCTION	RAK	RK/PS/A	RAB	
1	09MAY08	JDK	RE-ISSUED FOR CONSTRUCTION	RAK	JC/PS/A	SVS	
0	01OCT07	JDK	ISSUED FOR CONSTRUCTION	JTG	JC/ES/A	SVS	

Wood Group Engineering
(North Sea) Ltd.

bp

MUSTANG INTERNATIONAL, LP
HOUSTON, TEXAS

PROJECT NO. 10910

REGISTRATION CODE 133-02

DRAWING NO. PH ME P 0152 001

SCALE NONE

Field for file specification
Field for date and time