



Field for file specification:
Field for date and time :

NOTES:

1.	KEY INTERLOCKED VALVE.
2.	LIQUID ULTRASONIC METER, PROVIDE STRAIGHT RUN OF 100 UPSTREAM AND 50 DOWNSTREAM.
3.	LOCATED AS CLOSE TO THE VESSEL AS PRACTICAL.
4.	MINIMUM 1 METER SEPARATION.
5.	DO NOT POCKET.
6.	KEY LOCKED VALVE.
7.	N2 AND STEAM INJECTION AT 2" DRAIN VALVE.
8.	INTERNAL.
9.	ANTI-SLAM DESIGN.
10.	SPADE & SPACER TYPE, PROVIDE SPADE STAND AT EACH LOCATION TO PREVENT MISPLACING SPADE.
11.	6" NOZZLE FOR PROFILER TO DETECT FOAMING, MOUNT NOZZLE 45° FROM THE VERTICAL.
12.	ACTUATOR TO HAVE TRAVEL STOP SET AT A POSITION EQUIVALENT TO CV-1500 (TO LIMIT CLOSURE).
13.	4C INSULATION IS NOT REQUIRED ON TRIM IN VAPOR SERVICE.
14.	INSULATION LINES ARE HEAT TRACED.
15.	TRACTION DEVIATION 2016-EVENT-520989B.

REV	DATE	BY	DESCRIPTION	CHK	ENGR	APPR	CLIENT
Z5	14.04.16		AS BUILT, MW-33788				
Z4	01.04.16		AS BUILT, MW-33517				
Z3	28.01.15		AS BUILT, AFA V-4426				
Z2	26.09.14		AS BUILT, MW-25619				
Z1	30.05.14		AS BUILT, MW-19144				
Z	26.06.13		AS BUILT				

Wood Group Engineering
(North Sea) Ltd.

MUSTANG INTERNATIONAL, LP
HOUSTON, TEXAS

bp

REGISTRATION CODES

AREA	SYSTEM	TYPE	FACILITY CODE	ORIG.	DISP.	SEQ. No.	SHEET
T33-02	23	XB	PH	ME	P	0152	001

DRAWING NO.

ORIG.	DISP.	SEQ. No.	SHEET
PH	ME	P	0152 001

SCALE

NONE

REV. Z5

PROJECT NO. 10910

VALHALL
RE-DEVELOPMENT PROJECT
PIPING & INSTRUMENT DIAGRAM
1ST STAGE SUCTION SCRUBBER