

- NOTES:
1. ALL VENTS SHALL BE LOCATED AT A SAFE MIN. HEIGHT OF 3 METER ABOVE THE GROUND LEVEL WITH FLAME ARRESTOR.
 2. SKID CANOPY WILL BE PROVIDED.
 3. VALVE BELOW 2" SHALL BE SW.
 4. CANOPY THICKNESS SHALL BE 14 GAUGE = 1.99mm.
 5. VELOCITY OF UNFILTERED GAS SHALL BE 20m/s AND FILTERED GAS SHALL BE 40m/s.

LEGENDS - INSTRUMENT / EQUIPMENT

SSV+PCVM	: SLAM SHUT OFF VALVE WITH MONITOR PRESSURE CONTROL VALVE	DPG	: DIFF. PRESSURE GAUGE
PCVA	: ACTIVE PRESSURE CONTROL VALVE	PG	: PRESSURE GAUGE
PSV	: PRESSURE SAFETY VALVE	TM	: TURBINE METER
CRV	: CREEP RELIEF VALVE	EVC	: ELECTRONIC VOLUME CORRECTOR
VBF	: ISOLATION BALL VALVE FLANGED	TE	: TEMP. ELEMENT
VBS	: ISOLATION BALL VALVE SOCKETWELD	RO	: RESTRICTED ORIFICE
CF	: CARTRIDGE FILTER	JB	: JUNCTION BOX
ZSC	: LIMIT SWITCH CLOSE	ZSO	: LIMIT SWITCH OPEN
FA	: FLAME ARRESTOR		: SPECTACLE BLIND

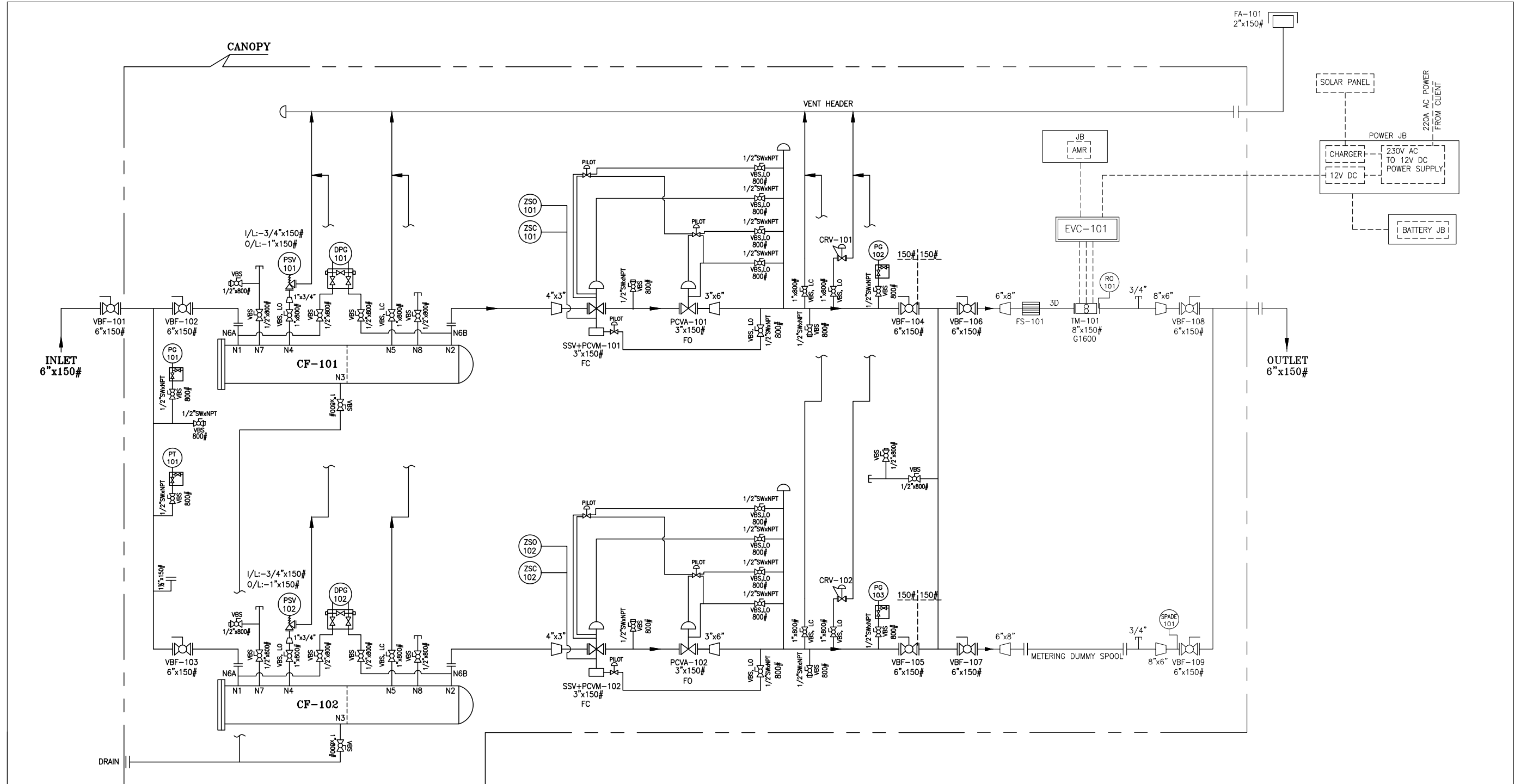
PROCESS DATA

INLET PRESSURE	: 10-19 BARG
OUTLET PRESSURE	: 4 BARG
TEMPERATURE	: -10 TO 50 °C
FLOW RATE	: 5000 SCMH
SERVICE	: NATURAL GAS
INLET SIZE	: 4"X150#
OUTLET SIZE	: 4"X150#
DESIGN CLASS	: 150#

ISSUED FOR TENDERING PURPOSE ONLY

DRS

COMPANY NAME :	M/s. MAHARASHTRA NATURAL GAS LTD.
PROJECT :	CGD PUNE.
P&ID No. :	DRS - 1
TITLE :	P & I DIAGRAM FOR FILTRATION, PRESSURE REDUCING & METERING SKID
DATE - 17/07/2023	



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1. ALL VENTS SHALL BE LOCATED AT A SAFE MIN. HEIGHT OF 3 METER ABOVE THE GROUND LEVEL WITH FLAME ARRESTOR.
 2. SKID CANOPY WILL BE PROVIDED.
 3. VALVE BELOW 2" SHALL BE SW.
 4. CANOPY THICKNESS SHALL BE 14 GAUGE = 1.99mm.
 5. VELOCITY OF UNFILTERED GAS SHALL BE 20m/s AND FILTERED GAS SHALL BE 40m/s.
 6. UPSTREAM AND DOWNSTREAM METER RUN OF TURBINE METER ARE GIVEN AS PER OEM RECOMMENDATION.

LEGENDS :- INSTRUMENT / EQUIPMENT

SSV+PCVM	: SLAM SHUT OFF VALVE WITH MONITOR PRESSURE CONTROL VALVE		DPG	: DIFF. PRESSURE GAUGE
PCVA	: ACTIVE PRESSURE CONTROL VALVE		PG	: PRESSURE GAUGE
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ZSC	: LIMIT SWITCH CLOSE		ZSO	: LIMIT SWITCH OPEN
FA	: FLAME ARRESTOR			: SPECTACLE BLIND

PROCESS DATA

INLET PRESSURE	:10-19 BARG
OUTLET PRESSURE	:4 BARG
TEMPERATURE	:-10 TO 50 °C
FLOW RATE	:10000 SCMH
SERVICE	:NATURAL GAS
INLET SIZE	:6"X150#
OUTLET SIZE	:6"X150#
DESIGN CLASS	:150#

ISSUED FOR TENDERING PURPOSE ONLY

DRS

COMPANY NAME	: M/s. MAHARASHTRA NATURAL GAS LTD.
PROJECT	: CGD PUNE.
P&ID No.	: DRS - 2
TITLE	: P & I DIAGRAM FOR FILTRATION, PRESSURE REDUCING & METERING SKID
DATE - 17/07/2023	