



- NOTES**
- DELETED.
 - PROVING SYSTEM TYPE SHALL BE SELECTED BASED ON SIZING & CALCULATION OF FLOW RATE DURING BATCHING PROCESS AND SHALL REACH MIN. 10.000 PULSE PER PASS
 - TYPICAL FOR MOV.
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- TYPE OF FLOW METER SHALL BE ACCORDING TO ETS-INS-05-0027-01-2021 FISCAL CUSTODY METERING SYSTEM
 - EPC CONTRACTOR SHALL PROVIDE DESIGN CONFIGURATION OF METERING SYSTEM DURING DETAIL ENGINEERING DESIGN PHASE.
 - FOR LIQUEFIED GAS SERVICE (LPG OR PROPYLENE), VENT & DRAIN SHALL BE LINED TO VENT & DRAIN HEADER AND PROVIDE BY VENDOR PACKAGE.
 - INPUT DATA FROM PROVER SUCH AS RUNNING/STOP INDICATION, ETC. SHALL BE SEND TO METERING SYSTEM USING HARDWARE.
 - METER PROVER (MOBILE PROVER/SWALL VOLUME PISTON TYPE IS PREFERRED. FOR OTHERS SHOULD BE VIA WITH COMPANY APPROVAL).
 - VAPOR RETURN LINE IS ONLY AVAILABLE IF IT'S REQUIRED IN PAID
 - DENSITY METER IS NOT REQUIRED IF THE FLOW METER IS CORIOLIS TYPE.
 - EPC CONTRACTOR SHALL PROVIDE MIMIC PANEL ANNUNCIATOR OF METERING SYSTEM INSTALLED TO CONSULT AUX. PANEL IN CCR.

- ACRONYM**
- DEB : DOUBLE BLOCK & BLEED
 - DPIT : DIFFERENTIAL PRESSURE INDICATING TRANSMITTER
 - FCV : FLOW CONTROL VALVE
 - FE : FLOW ELEMENT
 - FI : FLOW INDICATOR
 - FT : FLOW TRANSMITTER
 - SV : SOLENOID VALVE
 - TI : TEMPERATURE INDICATOR (GAUGE)
 - TW : THERMOWELL
 - TT : TEMPERATURE TRANSMITTER
 - XV : ON/OFF VALVE
 - ZSC/O : LIMIT SWITCH CLOSE/OPEN

REFERENCE DOC.

DOC. NO.	TITLE

INSTRUMENT ENGINEERING DRAWING
ENGINEERING TECHNICAL STANDARDS & PROCEDURES

PT KILANG PERTAMINA INTERNASIONAL
DIREKTORAT PROYEK INFRASTRUKTUR

TITLE :
INSTRUMENT SCHEMATIC DRAWING
FOR LIQUID METERING SYSTEM
WITH PROVER

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