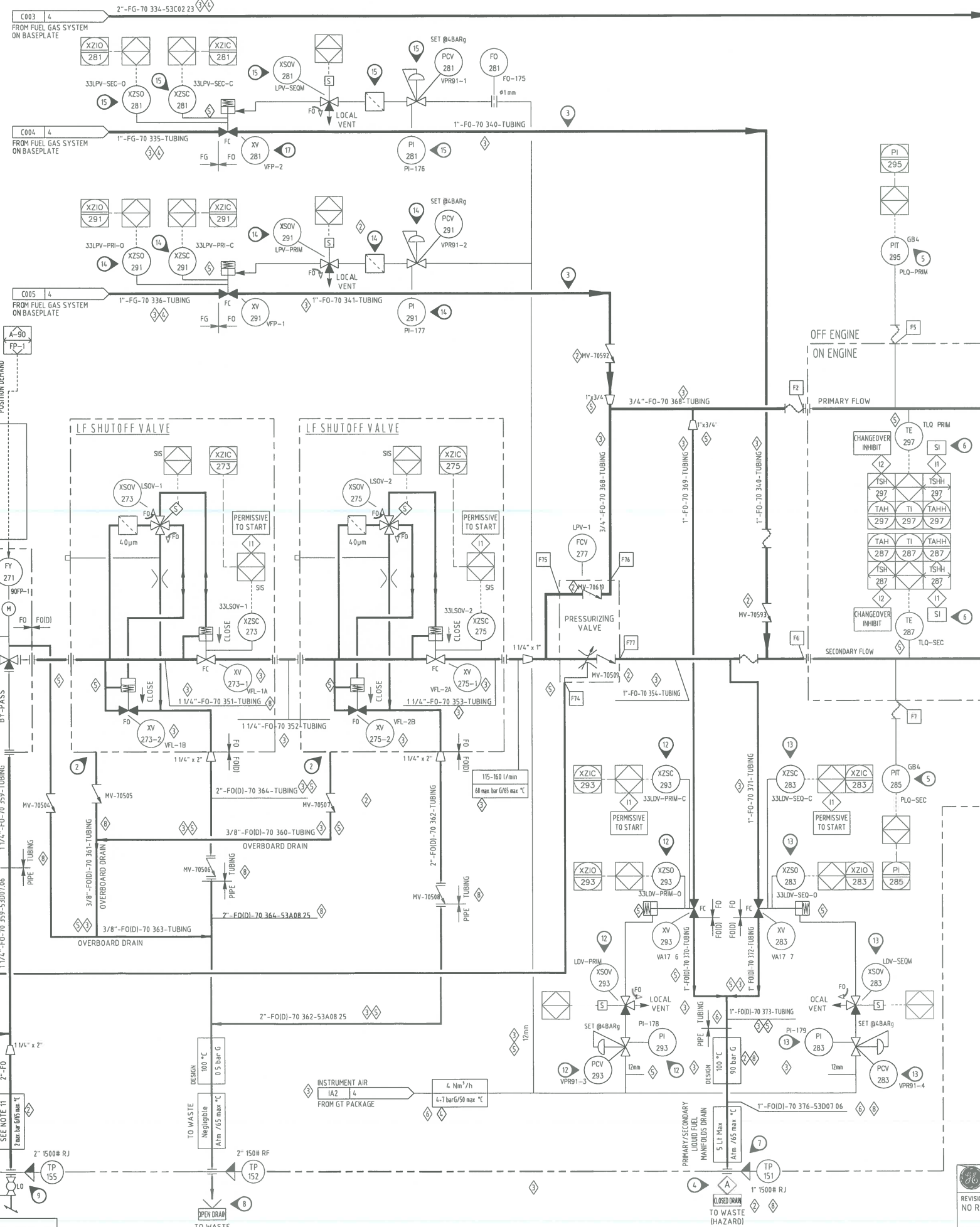


TURBOUNIT BASEPLATE/ENCLOSURE


EQUIPMENT TAG NUMBERS		
NP TAG n°	DESCRIPTION	CUSTOMER TAG n°
FF1-1	LIQUID FUEL MAIN FILTER	X-7001A X-7001B
FF1-2	LIQUID FUEL STAND-BY FILTER	F-7073A-01 F-7073B-01
		F-7073A-02 F-7073B-02



NOTES

- THE REFERENCE PRESSURE IS ESTABLISHED BY FUEL PUMP DISCHARGE PRESSURE SET BY THE BYPASS FLOW CREATED ADJUSTING THE ORIFICE PACK VALVE. THE REFERENCE PRESSURE IS SET TO START ON PRIMARY FLOW ONLY AND ALLOW SECONDARY FLOW JUST BEFORE GAS GENERATOR IDLE. THE SIZE OF ADJUSTABLE "A" IS 100 mm AND THE INITIAL SIZE OF ADJUSTABLE "B" ORIFICE IS 0.8 mm. DURING INITIAL COMMISSIONING OF THE SYSTEM, OPERATE THE ENGINE AT GAS GENERATOR IDLE (NGG=600 RPM) AND MEASURE PRIMARY FUEL MANIFOLD PRESSURE AND P53 SET ADJUSTABLE "B" ORIFICE DIAMETER TO ACHIEVE 17.2 BAR PRESSURE DIFFERENCE (FUEL MANIFOLD PRESSURE - P53), ± 103 BAR.
- LIQUID FUEL SHUTOFF VALVES MUST HAVE 100 MSEC MAX CLOSING TIME AND MUST HAVE SEAL CLASS VI.
- VOLUMES BETWEEN PURGE VALVES AND LIQUID FUEL LINES SHALL BE MINIMIZED.
- CUSTOMER DRAIN PIPING DOWNSTREAM TPs MUST BE CONTINUOUSLY SLOPED TOWARDS THE CLOSED ATMOSPHERIC DRAIN WASTE SYSTEM. DO NOT CONNECT TO ANY OTHER DRAIN. NO BACKPRESSURE IS ALLOWED. ANY BACKPRESSURE AT TP MAY RESULT IN BACKFLOW AND ENGINE FLOODING.
- THE GB4 PANEL IS INSTALLED INSIDE TURBINE ENCLOSURE (ACCESSIBLE DURING MACHINE RUNNING). THE GB4 TO BE ARRANGED WITH SUFFICIENT ROOM FOR FUTURE INSTALLATION OF PRESSURE INDICATORS FOR LIQF-2, PLOPD, PLO-PRIM, PLO-SEC.
- THE S/D (SHUT DOWN) IS ACTIVATED AFTER 10 SEC IN S1 (STEP TO IDLE CONDITION) AT PERMANENCY TEMPERATURE OF 371°C.
- DRAIN VALVES TO BE OPENED AFTER SHUTDOWN ON LIQUID FUEL OPERATION.
- THE FUEL OIL DRAIN IS A MIXTURE OF LIQUID FUEL AND NATURAL GAS EXPECTED AMOUNT.
- 5 LT MAX LIQUID FUEL IF SHUTDOWN ON DIESEL - 2 LT LIQUID FUEL PLUS 2 m3 FUEL GAS IF SHUTDOWN ON FG FOLLOWING SWITCHOVER.
- CUSTOMER DRAIN PIPING DOWNSTREAM TPs MUST BE CONTINUOUSLY SLOPED TOWARDS THE OPEN DRAIN WASTE SYSTEM. DO NOT CONNECT TO ANY OTHER DRAIN. NO BACKPRESSURE IS ALLOWED.
- MAX ALLOWED BACKPRESSURE IS 2 bar G.
- MAX FLOW FROM BOOSTER PUMP (FIRING) 240 l/min. NORMAL FLOW FROM BOOSTER PUMP (FULL LOAD) 220 l/min.
- MAX BY-PASS FLOW (FIRING) 240 l/min. NORMAL BY-PASS FLOW 53 to 80 l/min DEPENDING ON AMBIENT TEMPERATURE.
- ITEMS SUPPLIED WITH VA17-6 VALVE.
- ITEMS SUPPLIED WITH VA17-7 VALVE.
- ITEMS SUPPLIED WITH VFP-1 VALVE.
- ITEMS SUPPLIED WITH VFP-2 VALVE.
- LOCATED ON GB4.
- VALVE OPENING TIME IS MIN 30 SEC. MAX 60 SEC.
- VALVE FAILURE MODE IS LAST POSITION.
- ES IN CASE OF METERING VALVE FAULT.
- PRESENCE OF 316 S.S. TUBING IN THIS P&ID PAGE.
- NA.

Nexen Petroleum (U.K.) Limited	
VENDOR : GE Nuova Pignone (AMEC FW)	
EQUIPMENT TITLE : PIPING & INSTRUMENT DIAGRAMS	
EQUIPMENT TAG NO(S) : X-7001A/B, X-5701A/B	
Vendor Document Number	
Purchase Order No	Doc Type Seq. Sheet No
168397 - 200 - PO - 3270 - MC2 - 001 - 06	Rev. DATE
Z1	26/10/16
SUPPLIER DOCUMENT REVIEW	
Rejected (Assai Code - REJ) - Quality and content is out of conformity with Company requirements. Document shall be revised by Supplier to incorporate the necessary changes and subsequently re-submitted.	
Accepted With Comments (Assai Code - AWC) - Generally acceptable but elements require to be addressed. Document shall be revised by Supplier to incorporate the necessary changes and subsequently re-submitted.	
Accepted As Final (Assai Code - FIN) - Documents are considered acceptable, do not re-submit.	
Accepted For Information (Assai Code - AFI) - No further action required, do not re-submit.	
Review of Vendor documents does not relieve Vendor of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Vendor and does not relieve the Vendor from full compliance with the Purchase Order or any other obligations, not detract from any of the Purchaser's rights.	
Z1	26/10/16
REV	DATE
DESCRIPTION	DRN CHK APP CLT

	GE Oil & Gas	TITLE	LIQUID FUEL ENGINE P&ID DIAGRAM		DOCUMENT CODE	SOM5081932		REVISION	11
	REVISION DESCRIPTION		PAGE MARKER		SECURITY CODE				
NO REVISION IS INTRODUCED IN THIS SHEET		N/A		N					
ORIGINAL JOB		S. ZE		LANGUAGE					
1703636-37		1		A					
SHEET		6 of 21		F					

REVISE With P&ID ONLY