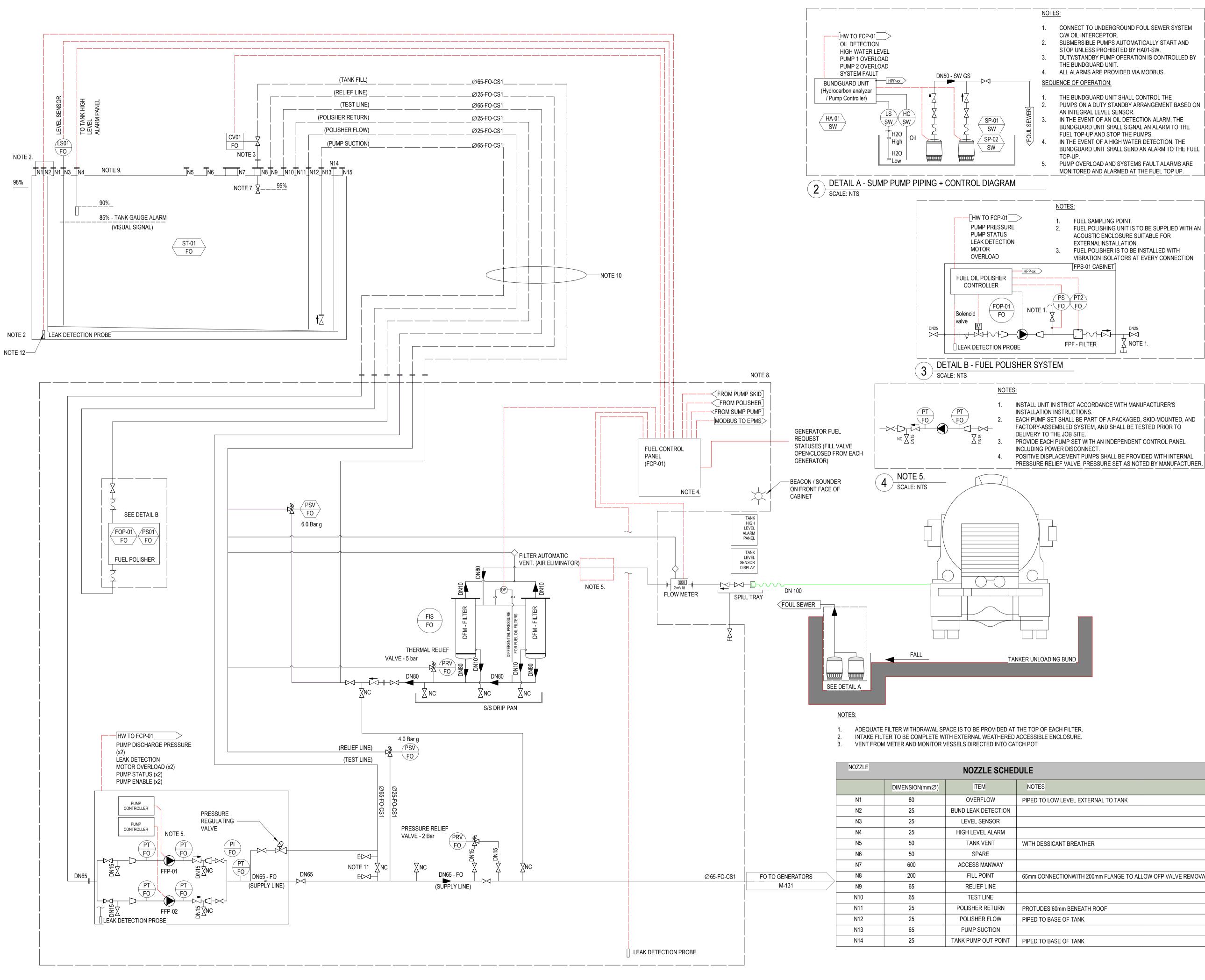
Appendix 03 – 05 Fuel Schematics



GENERAL NOTES:

## NOTES

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER
- RELEVANT DRAWINGS AND SPECIFICATIONS. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE
- PRODUCTION OF FABRICATION AND INSTALLATION DRAWINGS, SHALL BE FAMILIAR WITH OTHER WORKS PACKAGES WHICH DIRECTLY INTERFACE WITH HIS PACKAGE AND COORDINATE WITH THE
- FABRICATION AND INSTALLATION DRAWINGS ACCORDINGLY. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE
- DESIGN, SUPPLY AND INSTALLATION OF SUPPORTS, BRACKETING SYSTEMS, AND SECONDARY STEELWORK SUPPORTS REQUIRED FOR THIS WORKS PACKAGE, UNLESS OTHERWISE STATED.
- SHOULD ANY DISCREPANCIES BE APPARENT IN THIS DRAWING, THE ENGINEER SHALL BE MADE AWARE OF THIS FOR FURTHER ACTION.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF THE MECHANICAL WIRING AND CONTAINMENT BETWEEN THE PACKAGED PUMP-ROOM AND THE STORAGE TANK AND GENERATORS. INTERCONNECTING WIRING DIAGRAMS TO BE PROVIDED BY THE FUEL EQUIPMENT VENDOR.

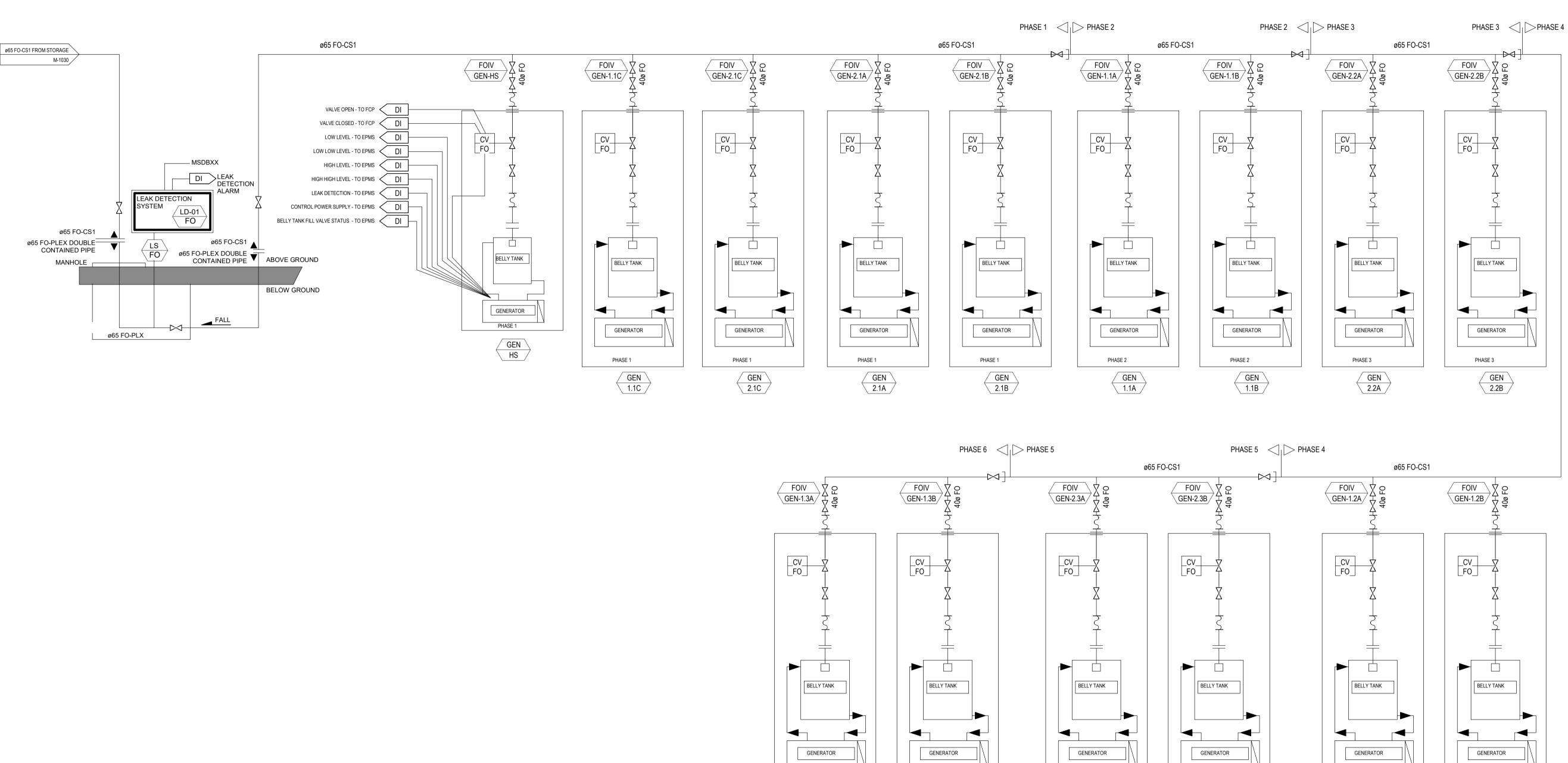
SHEET NOTES:

- SAMPLING POINT OVERFLOW TO OUTER CONTAINMENT LAYER
- FUEL OIL CONTROL PANEL TO BE LOCATED WITHIN THE CONTAINER, REMOTE HMI TO PROVIDE INFORMATION AT THE FILL POINT. ALL POINTS TO BE PRE-COMMISSIONED BEFORE THE CONTAINER IS DISPATCHED TO SITE
- PUMPS TO BE PROVIDED WITH AUTOMATIC AIR VENTS
- OPTIONAL OFFLOADING PUMP IN REGIONS WHERE TANKERS DON'T HAVE ONBOARD PUMPS - REFER TO DETAIL C
- ANTI-SIPHON DEVICES ON INLET TO STORAGE TANKS
- MECHANICAL OVERFLOW PREVENTION VALVE
- DIESEL PLANTROOM TO BE A 10ft ISO CONTAINER TANK TO BE AN ATMOSPHERIC TANK BUILT TO BS799 TYPE J AND
- UL142 CONNECTING PIPEWORK BETWEEN THE TANK AND PLATROOM TO BE INSTALLED ON SITE
- DN65 CONNECTIONS TO BE VALVED AND BLANKED TO ASSIST
- FLUSHING THE GC SHALL INSTALL A LAYER OF BITUMINIOUS FELT, SAND OR ASPHALT IMPRGNATED BOARD, OR OTHER SUITABLE MATERIAL UNDER THE TANK TO PREVENT RUBBING, SCRAPPING OF THE TANK BOTTOM WHAN INSTALLING, DUE TO EXPANSION AND CONTRACTION OF THE TANK AND TO SMOOTH OUT ANY MINOR DIFFERENCES IN TANK FOUNDATION LEVEL. EDGE OF TANK SHALL THEN BE SEALED WIYH SUITABLE MASTIC OR ADEQUATE SEALING MEMBRANE SUCH AS BELZONA 3111 TO PREVENT WATER INGRESS TO THE UNDERSIDE OF THE TANK.

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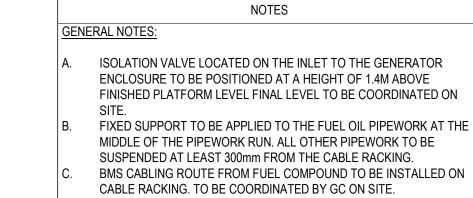
PHASE 6 GEN 1.3A

PHASE 6

GEN 1.3B

PHASE 5 PHASE 5 GEN 2.3A GEN 2.3B

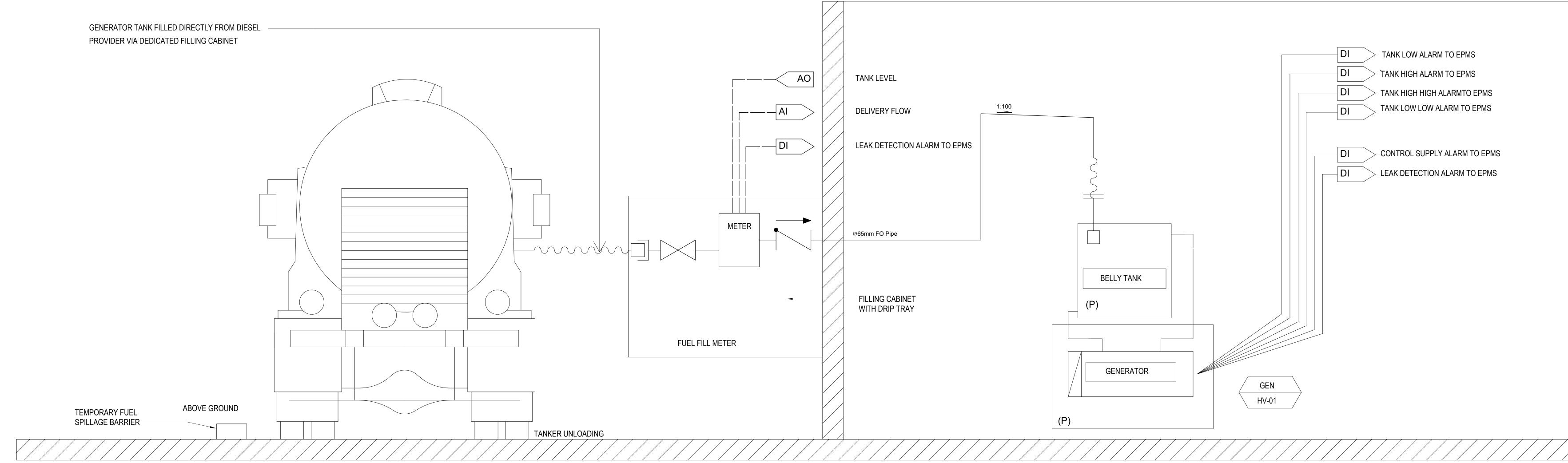
PHASE 4 GEN 1.2A



HYDROSTATIC PRESSURE TESTING TO BE CARRIED OUT FOR ALL FUEL OIL PIPEWORK. GC TO COORDINATE NECESSARY HEALTH AND SAFETY REQUIREMENTS PER LOCAL REQUIREMENTS.

FOIV GEN-1.2B
GENERATOR
PHASE 4

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BELOW GROUND

## **GENERAL NOTES:**

- 1. THIS DRAWING HAS BEEN DEVELOPED TO A DETAILED DESIGN LEVEL OF INFORMATION IN LINE WITH AWS REQUIREMENTS. 2. ALL DIMENSIONS ARE IN MILLIMETRES (MM) UNLESS NOTED
- OTHERWISE. ALL LEVELS ARE IN METRES (M) UNLESS NOTED OTHERWISE. 3. THIS DRAWING SHOULD BE PRINTED IN COLOUR AND READ IN
- CONJUNCTION WITH ALL ASSOCIATED DESIGN DOCUMENTATION, PROVIDED AS PART OF THIS DESIGN PACKAGE. 4. DO NOT SCALE FROM THIS DRAWING. REFER TO ARCHITECT'S DRAWINGS FOR BUILDING DIMENSION INFORMATION

## PARTICULAR NOTES

- DIESEL FILL VALVE AND UPSTAND TANK PART OF GENERATOR PACKAGE
- 2. REFER TO P&R MATRIX FOR OFCI EQUIPMENT . THE SCOPE OF THE GENERATOR MANUFACTURER/VENDOR'S PACKAGE SHALL ALSO ENCOMPASS THE BELLY TANK SELECTION VALVES, DAY TANK SELECTION VALVES, AND ALL
- ASSOCIATED FUEL OIL PIPING SYSTEMS AND ACCESSORIES. 4. WHEREVER POSSIBLE, PIPEWORK TO FREE DRAIN TOWARDS GENERATOR BELLY TANK.
- 5. FUEL STORAGE TO BE INSTALLED WITHIN BUND CAPABLE OF CAPTURING 110% VOLUME OF A SINGLE TANK IN THE EVENT OF A SPILL.
- 6. CONSULT THE FUEL SUPPLIER BEFORE FINALIZING THE TANK'S MINIMUM NET CAPACITY. GROSS CAPACITY MUST INCLUDE: MINIMUM FUEL DELIVERY VOLUME ADDITIONAL VOLUME (DEAD SPACE) FOR SLUDGE AND WATER AT THE BOTTOM EXTRA VOLUME (ULLAGE) AS A SAFETY MARGIN
- AGAINST OVERFILLING AND THERMAL EXPANSION SPACE FOR HEATING EQUIPMENT AND ANY OTHER INSTALLED EQUIPMENT

## HV INDOOR ROOM

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