



GENERATOR SET SIZE CHART	
GENERATOR	80KW/100KVA
VOLTAGE OUTPUT	480Y/277V, 3PH, 4W
MAIN CIR. BKR.	60A/100A
MINIMUM RUN TIME	24 HOURS

1 TYPICAL DIESEL STANDBY GENERATOR SYSTEM DIAGRAM  
NOT TO SCALE

**GENERAL NOTES**

- STANDBY GENERATOR SYSTEM SHALL CONSIST OF BUT NOT BE LIMITED TO THE FOLLOWING:
  - GENERATOR SET
  - FUEL STORAGE
  - POWER SYSTEM
  - AUTOMATIC TRANSFER SYSTEM
  - CONTROLS
  - STARTING SYSTEM
  - COOLING SYSTEM
  - EXHAUST SYSTEM
  - LUBRICATION SYSTEM
- INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), NEMA, NESC, AND NATIONAL FIRE PROTECTION AGENCY (NFPA).
- ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, FRAME, ETC., SHALL BE GROUNDED.
- ALL CLEARANCES SHALL BE MAINTAINED PER NEC AND ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION, OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVIDER. ADEQUATE WORKING SPACE, WORKING FACILITIES AND CLEARANCES, UNLESS OTHERWISE ALL CLEARANCES ARE MEASURED FROM FACE TO SURFACE.
- ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
- WIRING SYSTEMS SHALL BE IN ACCORDANCE WITH NEC AND THE FOLLOWING:
  - SEE SAME LINE DIAGRAM FOR POWER SYSTEM REQUIREMENTS.
  - CONTROL WIRING SHALL BE INSTALLED IN CONDUITS INDICATED. WIRING TO BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS FOR THE EQUIPMENT SPECIFIED. COORDINATE WITH SHOP DRAWINGS.
  - PROVIDE FLEXIBLE CONDUIT CONNECTIONS TO THE GENERATOR SET.
- FUEL AND PIPING SYSTEMS SHALL BE IN ACCORDANCE WITH ASTM, ASME, NFPA, AND THE FOLLOWING:
  - DRAIN LINES TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS.
  - PROVIDE FLEXIBLE PIPE CONNECTIONS TO THE GENERATOR SET.

**SHEET NOTES**

- FUEL STORAGE TANK IS A SUB-BASIS BELLY TYPE. TANK PART OF THE GENERATOR ASSEMBLY.
- REMOTE GENERATOR ANNUNCIATION.
- GENCY 'GENERATOR STOP' PUSH BUTTON (NEMA 4X).

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GENERATOR DETAILS

**E604**  
Sheet 1 of 1

SIMULATION LABORATORY  
BUILDING - USA JOB #16-07  
MOBILE, ALABAMA  
ABC #2017372  
GMC # AMOB160019

DRAWN BY: JTH  
CHECKED BY: TAN

Order Plans

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