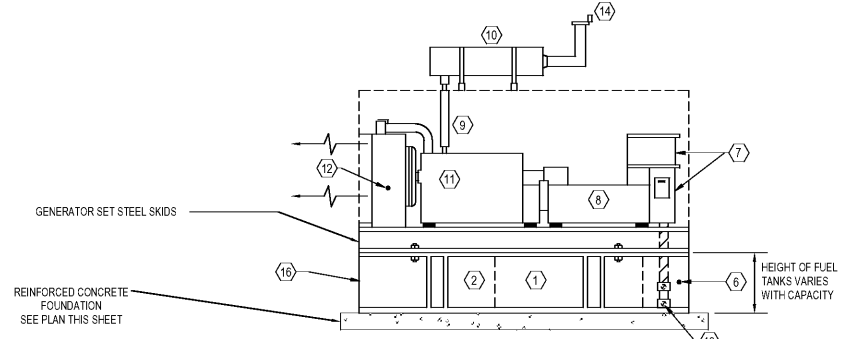


**GENERATOR GENERAL NOTES**

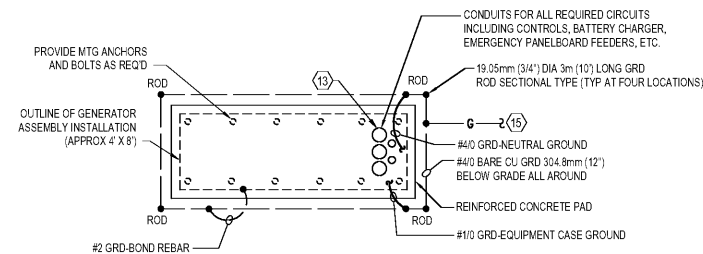
1. PROVIDE COMPLETE INSTALLATION AND CONTROLS. SEE SHEET E608.
2. ENCLOSURE AND SILENCER SHALL BE STAINLESS STEEL.

**GENERATOR SHEET NOTES**

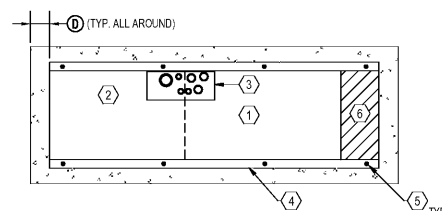
1. TANK COMPARTMENT - COLD SIDE
2. TANK COMPARTMENT - HOT SIDE
3. VARIOUS CONNECTIONS PER MANUFACTURER'S REQUIREMENTS AND APPLICABLE CODES, INCLUDING NOR AND EMERGENCY VENTS, FUEL FILL OPENING WITH CAP, FUEL LEVEL GAUGE, FUEL SUPPLY, AND RETURN AND DRAIN LINES, LOW LEVEL SWITCH, ETC.
4. STEEL RAILS
5. HOLES (8 TOTAL) FOR MOUNTING GENERATOR SKIDS. PROVIDE 5/8" ANCHOR ROD @ 6" EMBEDMENT SET IN EPOXY.
6. ELECTRICAL STUB-UP AREA. INSTALL EP SEAL-OFF FITTING IN EACH CONDUIT ENTERING THIS SPACE.
7. ELECTRICAL EQUIPMENT (CIRCUIT BREAKER, CONTROL PANEL, ETC.)
8. GENERATOR
9. FLEXIBLE EXHAUST SYSTEM
10. EXHAUST SYSTEMS SHALL BE STAINLESS STEEL
11. DIESEL ENGINE SYSTEM
12. FAN AND RADIATOR ASSEMBLY
13. CONDUIT STUB-UPS, SEAL-OFF FITTINGS AND CONVERSIONS TO WEATHER-PROOF OF FLEXIBLE CONNECTIONS TO ELECTRICAL APPARATUS.
14. RAIN CAP - STAINLESS STEEL
15. SEE SHEET E603 FOR BONDING TO BUILDING COUNTERPOISE.
16. FEMA 310CC 500, 200MPH WIND, 90MPH VERTICLE MISSILE IMPACT, 50MPH HORIZONTAL MISSILE IMPACT RATED SUB BASE FUEL TANK.



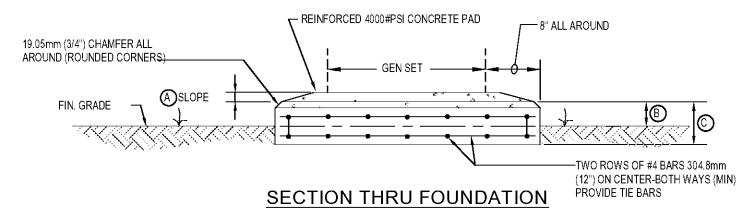
**SIDE VIEW - GENERATOR SET INSTALLED ON SUB-BASE FUEL TANK**



**FOUNDATION PLAN**



**TOP VIEW OF SUB-BASE FUEL TANK ON CONCRETE PAD**

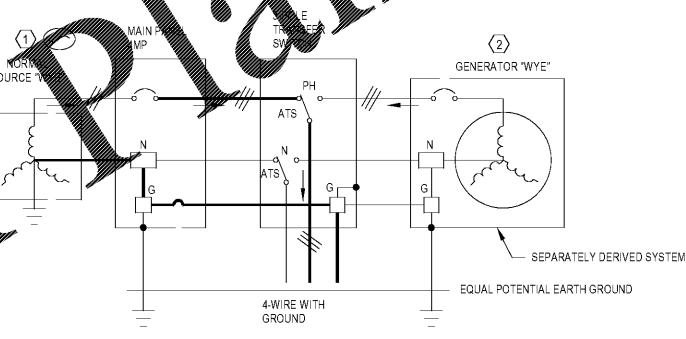


**SECTION THRU FOUNDATION**

REF	SI	ENGLISH
A	6.35mm	1/4"
B	101.6mm	0'-4"
C	254.0mm	0'-10"
D	304.8mm	1'-0"

**TYPICAL PAD MOUNTED GENERATOR PROVISIONS NOT TO SCALE**

ATS SCHEDULE			
MARK	CHARACTERISTICS	ENCLOSURE	AIC
ATSE	60A/4P/3PH 480Y/277, 3 PH, 4W	NEMA 1	22kA
ATSN	100A/4P/3PH 480Y/277, 3 PH, 4W	NEMA 1	22kA



**2 TYPICAL TRANSFER SWITCH SCHEME NOT TO SCALE**

**ATS GENERAL NOTES**

1. AUTOMATIC TRANSFER SWITCH SHALL BE CONTACTOR TYPE, HIGH SPEED OPERATION WITH AUTOMATIC AND CONTROL FEATURES SPECIFIED WITH MECHANICAL INTERLOCKS.
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NFPA, UL, AND THE NATIONAL ELECTRICAL SAFETY CODE (NESC).
3. ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, FRAMES, ETC., SHALL BE GROUNDED.
4. ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. 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 PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
6. AUTOMATIC TRANSFER SWITCH SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE DETAILS, ACCESSIBLE WITH MECHANICAL PROTECTION. EACH SWITCH SHALL CONTAIN A NAMEPLATE AND THE CONTRACTOR SHALL ENSURE THAT ALL SPECIAL PRECAUTIONS ARE MET SUCH AS PROPER CLEARANCES FOR TERMINATING CONDUCTORS, VENTILATION, OVERCURRENT PROTECTION, ETC.

**ATS SHEET NOTES**

1. NORMAL SUPPLY SYSTEM
2. STAND-BY POWER SUPPLY SYSTEM

**AUTOMATIC TRANSFER SWITCH (ATS) NOTES**

1. TRANSFER SWITCH SHALL BE OPEN-TRANSITION (BREAK-BEFORE-MAKE) TYPE IN ACCORDANCE WITH UL 1008 AND NFPA 110.
2. THE ATS SHALL PROVIDE ALL CONTROL FUNCTIONS SPECIFIED AND INDICATED. THE FOLLOWING SHALL BE PROVIDED AS A MINIMUM:
  - ADJUSTABLE TRANSFER (0-120 SECONDS)
  - ADJUSTABLE RETRANSFER (0-30 MINUTES)
  - PROGRAMMED TRANSITION DELAY (0-60 SECONDS)
  - ATS: EXERCISE AND TEST (PROGRAMMABLE EXERCISER CLOCK WITH BATTERY BACKUP)
  - ATS SHALL CONTROL GEN SET START OPERATIONS

ISSUE	DATE
ISSUE FOR BID	2018.05.25

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



**GENERATOR DETAILS**  
**E605**  
Sheet 1 of 1