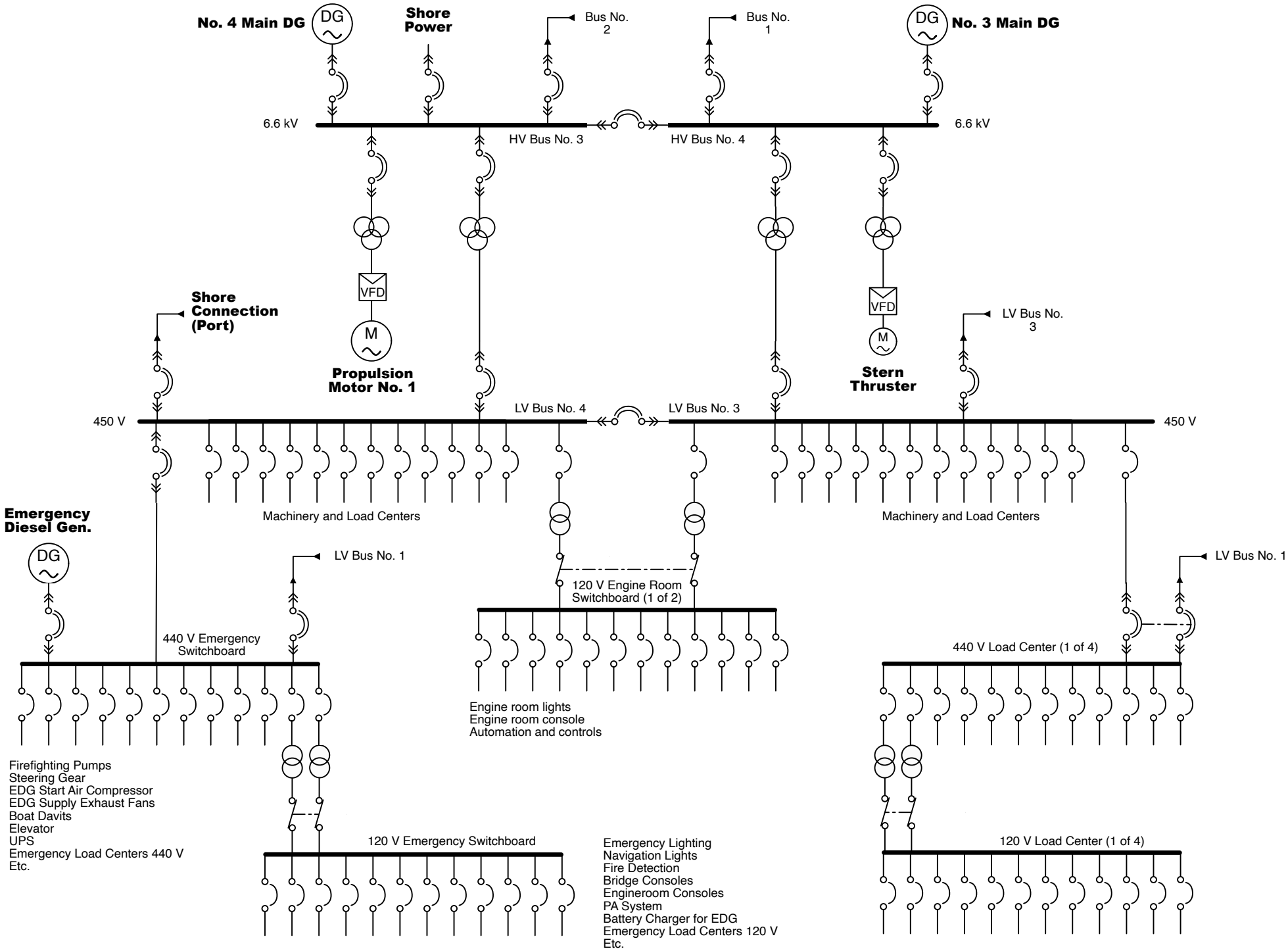
No. 4 Main DG
DG
Shore Power
Bus No. 2
Bus No. 1
DG
No. 3 Main DG
6.6 kV
HV Bus No. 3
HV Bus No. 4
6.6 kV
VFD
M
Propulsion Motor No. 1
VFD
M
Stern Thruster
Shore Connection (Port)
LV Bus No. 3
450 V
LV Bus No. 4
LV Bus No. 3
450 V
Machinery and Load Centers
Machinery and Load Centers
Emergency Diesel Gen.
DG
LV Bus No. 1
LV Bus No. 1
120 V Engine Room Switchboard (1 of 2)
440 V Emergency Switchboard
440 V Load Center (1 of 4)
Engine room lights
Engine room console
Automation and controls
Firefighting Pumps
Steering Gear
EDG Start Air Compressor
EDG Supply Exhaust Fans
Boat Davits
Elevator
UPS
Emergency Load Centers 440 V
Etc.
120 V Emergency Switchboard
Emergency Lighting
Navigation Lights
Fire Detection
Bridge Consoles
Engineroom Consoles
PA System
Battery Charger for EDG
Emergency Load Centers 120 V
Etc.
120 V Load Center (1 of 4)