

Montgomery County Public Schools Facilities Guide

DIVISION 16 – ELECTRICAL

SECTION 16230 GENERATORS

PART 1 – GENERAL

- A. Standard Generator
 - 1. Weather-protected, natural gas or propane generator. Natural gas for generator will require individual approval.
 - 2. Provide a 2 year warranty for the generator system to include parts and labor.
 - 3. Provide two generator branches: an emergency branch and an optional stand-by branch.
 - a. Emergency branch equipment:
 - i. Egress Lighting Fixtures and Exit Signs.
 - ii. Fire Alarm System
 - b. Optional stand-by branch for Elementary and Middle schools:
 - i. Telephone System
 - ii. Security System
 - iii. RTU Heater and Hot Water Heating Pump
 - iv. EMS Control Panels
 - v. Kitchen Freezers
 - vi. Kitchen Walk-in Refrigerators
 - vii. Provide optional stand-by branch receptacles at each teacher's desk as per MCPS Standard Detail. See Standard Detail E- 10 on following pages
 - viii. Provide optional stand-by branch receptacles at Main Office desk and in MDF and IDF for data racks. Provide one dedicated circuit and a quad receptacle for each data rack.
 - c. Optional stand-by branch for high schools:
 - i. Telephone System
 - ii. Security System
 - iii. RTU Heater and Pump
 - iv. EMS Control Panels
 - v. Kitchen Freezer
 - vi. Kitchen Walk-in Refrigerator
 - vii. Provide optional stand-by branch receptacles at each teacher's desk as per MCPS Standard Detail. See Standard Detail E- 10 on following pages
 - viii. Provide optional stand-by branch receptacles at Main Office desk and in MDF and IDF for data racks. Provide one dedicated circuit and a quad receptacle for each data rack.
 - ix. Assembly Area Air Handling Units for Ventilation
 - 4. Provide a second optional stand-by branch automatic transfer switch for high

THIS IS A DESIGN GUIDE NOT A SPECIFICATION

school Auditorium.

5. Manufacturers: Onan, Kohler, Generac