

The diagram illustrates a comprehensive power distribution system for a school building. At the top left, the 'Rozdzielnica nN STACJI TRANSFORMATOROWEJ' (nN transformer station distribution board) provides the initial power source. This feeds into the 'Rozdzielnica główna RG' (main distribution board), which is equipped with a PEN busbar and a PE busbar. The main board then branches out to various sub-distribution boards (RSD) for different parts of the building:

- Rozdzielnica sali sportowej RSS** (Sports hall distribution board)
- Rozdzielnica administracyjna RB1** (Administrative distribution board 1)
- Rozdzielnica administracyjna RB2** (Administrative distribution board 2)
- Rozdzielnica administracyjna RA1** (Administrative distribution board 3)
- Rozdzielnica administracyjna RA2** (Administrative distribution board 4)
- Rozdzielnica administracyjna RA3** (Administrative distribution board 5)
- Rozdzielnica wentylatorowni RW** (Fan room distribution board)
- Rozdzielnica wymiennikowni RC** (Heat exchanger room distribution board)
- Rozdzielnica przyłącza wody RPW** (Water connection distribution board)

Each sub-distribution board is designed with a 50Hz, 0.6/1kV system and includes a PEN busbar, a PE busbar, and a 'Detektor zaniku fazy' (phase loss detector). The boards are connected to various loads, including lighting ('OŚWIETLENIE'), sockets ('GNIAZDA'), and other equipment ('URZĄDZENIA BRANŻOWE').

Additionally, the 'Rozdzielnica pożarowa RPPOZ' (fire distribution board) is shown, featuring a 'Blokada mechaniczna' (mechanical block) and a 'ZASILANIE URZĄDZEŃ PPOŻ' (fire alarm system power supply). The diagram also includes a 'Kabel E90' (E90 cable) and a 'G' (generator) symbol.

