

- **Classroom PA system** needs to be replaced. In the classrooms, the existing equipment was damaged or was missing completely. The clock/speaker units appear to be in good shape and the Simplex Time Control Center panel is located in the Main Office.
- **Toilet Room Call for Aid systems** will need to be installed in single toilet rooms. Only two toilet rooms currently have a system and both toilet rooms were missing the corridor light/buzzer units.
- **Occupancy sensors** will need to be installed in the classrooms in the old portion of the school. The new classrooms have occupancy sensors already.
- **Daylight harvesting controls** for all classrooms will be required. Currently, the row of lights closest to the windows is on a separate switch from the other two rows.
- **Electrical panel infrastructure** will need to be upgraded. With the exception of the Kitchen panel, the panels throughout the building are in fair condition at best and should be replaced with new. There are two panels that are old and in poor condition with one panel having exposed lugs. The main 600A building switch located in the Basement Boiler Room should be replaced. Only one utility meter was observed. It is assumed that the distribution panels in the new addition are fed from the equipment in the Boiler Room.
- **Fire Alarm system** is a combination of a zoned and an addressable system. The systems are also by two separate manufacturers (Simplex (zoned) and FireLites (addressable)). Areas of the school are lacking protection and there are corridors that are non-compliant with horn/strobe coverage being within 15 from the end of the corridor. Classrooms and Toilet Rooms do not have notification devices. The existing control panels are located in the Vestibule by the Gymnasium. If the new main entrance for the school is going to be the Vestibule in the 1988 addition, the control panels should be relocated to that location. All wiring will need to be extended or replaced with new from the new location.
- **Exterior site lighting** is sparse. There are pole mounted light fixtures at the 1988 Vestibule entrance and in the East parking area that only serve that area. The fixtures have been retrofit with replacement corncob LED lamps that are not specifically designed for the performance of the fixtures. The Vestibule entries have inefficient recessed PAR lamp downlights that illuminate the area in front of the doors and there is no building mounted lighting in those areas that illuminate the sidewalk or driveway areas. One large HID floodlight is mounted at the top corner of the existing building and lights the parking area between the two sections. There are HID wallpacks that light the areas by the Gymnasium and the back of the Kitchen area. There is no building lighting anywhere else on the building. Emergency egress lighting was not observed at any of the exterior exit doors.
- **Interior emergency lighting** will need to be replaced throughout. The battery operated ceiling mounted units are old and inefficient and the batteries could most likely have reached the end of useful life. Numerous units were damaged and were hanging from the ceilings. The units were not tested to see if they were operational.

- **Existing interior lighting** was mostly T8 fluorescent lamps in recessed fixtures; 2x4, 3 lamp fixtures in the Offices and Media, 1x4, 2 lamp pendant mounted wraparound fixtures in the classrooms and 1x4, 2 lamp recessed fixtures along the walls in the corridors. It is our understanding that the interior lighting will be replaced completely by the utility company with more energy efficient LED light fixtures and should not be considered as part of this report.