

School Facilities Evaluation Project

Evaluation Team: Architectural Najfeldt Architect.
Mechanical Bacz Engineering Ltd.
Electrical Beaubien Glover Engineering Ltd.

Date of Tour: April 11, 2000

School Name/City, Town: **St. John Elementary School**, Edmonton, Ab.
School District: Edmonton Roman Catholic Schools, Regional Division No. 40

Executive Summary:

ARCHITECTURAL

The original building was completed in 1939 of wood frame construction with flat roofs and stucco exterior. It was expanded in 1954 by a wood frame addition with stucco exterior. In 1971 a pre-engineered steel frame structure was erected to serve as Gymnasium.

The school needs grassed athletic field to replace existing asphalt paved field. Some site re-grading is required to improve surface drainage, and section of sidewalk should be replaced to achieve the same. Parking lot should be repaired and paved.

Some sections of stucco finish on 1939 section require repair or replacement. Building envelope components require upgrading. This includes replacement of all windows, and replacement of exterior doors and frames.

Interior upgrades are required to replace all carpets, ceiling tiles, and repaint walls. Recommendations call for replacement of interior doorframes, doors and hardware, and replacement of millwork within the building. New lockers and new toilet partitions should be provided throughout. Automatic door openers and barrier free Washrooms should be provided.

Roofing inspection is recommended for the entire complex to verify condition of existing roofing materials.

MECHANICAL

Existing mechanical system in 1939 section is an old steam system served by coal fired boiler converted to gas. The ventilation system does not exist. The 1954 addition is served by same steam boiler and is provided with marginal ventilation system. Mechanical upgrade recommendations call for replacement of the entire system with new hot water heating and ventilation system, complete with new controls.

ELECTRICAL

Electrical recommendations call for upgrading of the main electrical service. Upgrading of the fire alarm system to current Code is recommended. Additional recommendations call for retrofit of existing light fixtures to new energy efficient fixtures.