

# RECAPP Facility Evaluation Report

Edmonton School District No. 7



**Menisa School**

B3219A  
Edmonton

**Facility Details**

**Building Name:** Menisa School  
**Address:** 933 Knottwood Road S.  
**Location:** Edmonton

**Building Id:** B3219A  
**Gross Area (sq. m):** 2,596.20  
**Replacement Cost:** \$7,506,000  
**Construction Year:** 1981

**Evaluation Details**

**Evaluation Company:** Francis Ng Architect Ltd.  
**Evaluation Date:** July 30 2012  
**Evaluator Name:** Francis Ng

**Total Maintenance Events Next 5 years:** **\$1,907,400**  
**5 year Facility Condition Index (FCI):** **25.41%**

**General Summary:**

This school for Grades K through 6 was originally built in Edmonton in 1981. The school faces one street - Knottwood Road South on the South. It is under the jurisdiction of Edmonton School District No.7.

The original 2188.85 square metres school was built in 1981. The first addition of 407.35 square metres was built in 1982. Total gross floor area is 2596.20 square metres. The current student population is 154.

(1981) Original Building - has carpet flooring. (installed in 2001)

ABC Group A Division 2 - School. The 1981 Original Building and 1982 Addition are single storey, have combustible and non-combustible construction and are unsprinklered.

**Structural Summary:**

(1981) Original Building (East Wing) - has concrete slab on grade and concrete grade beams on concrete piles along perimeter and interior concrete piles; Roof has steel deck on OWSJ and steel beams on concrete blocks.

(1981) Original Building (West Wing) - has concrete slab on grade and concrete grade beams on concrete piles along perimeter and interior concrete piles; Roof has steel deck on OWSJ on steel columns.

(1981) Original Building (West Wing - Library Clerestorey) - has steel deck on steel beams on steel columns.

(1982) Addition - has floor joists on HSS beams on concrete piles along perimeter and interior; Roof may have plywood roof deck, roof joists on wood studs.

Recommendations for future action include: not required.

Overall structural system rating is acceptable.

**Envelope Summary:**

(1981) Original Building - has built-up bituminous roofing, face brick, concrete blocks, aluminum windows, horizontal wood siding fascia above entrances and aluminum windows, stucco finish under aluminum windows, wood siding soffits, steel framed storefronts and doors, metal entrance doors and frames, metal exterior utility doors. Clerestorey has built-up bituminous roofing, wood siding and aluminum windows.

(1982) Addition - has built-up bituminous roofing, vertical metal siding fascia, horizontal metal cladding panels for walls, aluminum windows c/w sliders, metal exterior utility doors.

Recommendations for future action include: repair metal cladding; repair aluminum window gaskets; replace aluminum windows c/w sliders; replace exterior utility doors; replace built-up bituminous roofing; provide automatic entrance doors.

Overall envelope system rating is acceptable.

**Interior Summary:**

(1981) Original Building has metal deck, OWSJ, painted concrete block walls and wood flooring in Gymnasium; suspended T-bar ceiling system c/w acoustic ceiling tiles, painted concrete block walls, metal stud partitions and quarry tile flooring in washrooms; suspended T-bar ceiling system c/w acoustic ceiling tiles and vinyl tile flooring in Corridors; suspended T-bar ceiling system c/w acoustic ceiling tiles, painted concrete block walls, metal stud partitions with drywalls, vinyl tile flooring and carpet flooring in Classrooms; wood doors and metal frames.

(1982) Addition has suspended T-bar ceiling system c/w acoustic ceiling tiles, prefinished vinyl covered drywalls, vinyl

tile flooring and carpet flooring in Classrooms; suspended T-bar ceiling system c/w acoustic ceiling tiles, prefinished vinyl covered drywalls and vinyl tile flooring in Corridor and Link Connection; wood doors and metal frames.

Recommendations for future action include: replace wood doors; replace carpet flooring; repair vanities.

Overall interior system rating is acceptable.

**Mechanical Summary:**

The building is heated by two gas fired hot water boilers which supply a hot water distribution system serving the main (1981) building. The 1982 building addition is heated and ventilated by natural gas fired furnaces. The hot water distribution system supplies the air handling unit heating coils and various hydronic terminal units including duct mounted heating coils, unit heaters, force flow heaters and finned tube radiation cabinets. There are two air handling units (heating and ventilating units) serving the main building and gymnasium respectively. The heating and ventilating units are equipped with hot water heating coils. The fresh air supplied to the building by the air handling units is balanced by the exhaust air flow from the air handling units and from roof mounted sanitary and local exhaust fans.

Basic building HVAC controls and actuators are pneumatic, and the control air supply system includes an air compressor mounted on an air receiver tank (located in the main mechanical room). There is a Building Management and Control System (BMCS) providing control and monitoring functions for major HVAC equipment (Reliable).

Washroom plumbing fixtures include toilets, lavatories and urinals. Other plumbing fixtures in the building include drinking fountains, janitor sinks, mop sinks, and general purpose stainless steel sinks. Two natural gas fired domestic hot water heaters provide domestic hot water for the building lavatories and sinks.

Fire protection for the building consists of wall mounted fire extinguishers.

Overall mechanical system is in acceptable (4) condition.

**Electrical Summary:**

A 600 Amp 120/208 volt three phase main distribution centre, manufactured by Westinghouse and fed from an underground service has been provided in the electrical room. The pad mounted transformer is owned and maintained by the utility company, Epcor. Branch circuit panels are 90% full. Wiring is in conduit. Fluorescent light fixtures are complete with T12 lamps and magnetic ballasts. Fluorescent fixtures are not energy efficient and should be replaced with energy efficient fixtures. HPS wall packs are used for exterior lighting. Lighting is switched using line voltage switches. Exterior lighting is controlled by photo cell. Emergency lighting is provided by Kohler 20 kW emergency generator. LED lamps EXIT signs tied to emergency generator are located at required exits. Fire alarm system is obsolete, no longer supported by the manufacturer and should be replaced with a new addressable system. Security system is operational. Telephone handsets are located in offices, classrooms and library. Intercom is tied to telephone handsets located in classrooms.

Overall Rating: Acceptable.

<b>Rating Guide</b>	
<b>Condition Rating</b>	<b>Performance</b>
1 - Critical	Unsafe, high risk of injury or critical system failure.
2 - Poor	Does not meet requirements, has significant deficiencies. May have high operating/maintenance costs.
3 - Marginal	Meets minimum requirements, has significant deficiencies. May have above average operating maintenance costs.
4 - Acceptable	Meets present requirements, minor deficiencies. Average operating/maintenance costs.
5 - Good	Meets all present requirements. No deficiencies.
6 - Excellent	As new/state of the art, meets present and foreseeable requirements.

## S1 STRUCTURAL

### A1010 Standard Foundations\* - 1981 Section

(1981) Original Building (East Wing) - has concrete grade beams on concrete piles along perimeter and Corridor walls.  
 (1981) Original Building (West Wing) - has concrete grade beams on concrete piles along perimeter and interior concrete piles.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

### A1010 Standard Foundations\* - 1982 Section

(1982) Addition (Classrooms) - may have HSS beams on concrete piles along perimeter and interior.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1982	0	MAR-13

### A1030 Slab on Grade\* - 1981 Section

(1981) Original Building - has 100mm concrete slab on grade.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

### B1010.02 Structural Interior Walls Supporting Floors (or Roof)\* - 1981 Section

(1981) Original Building (East Wing) - has concrete block walls and pilasters.  
 (1981) Original Building (West Wing) - has steel columns.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

### B1010.02 Structural Interior Walls Supporting Floors (or Roof)\* - 1982 Section

(1982) Addition - has wood studs.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1982	0	MAR-13

### B1020.01 Roof Structural Frame\* - 1981 Section

(1981) Original Building (East Wing) - has steel deck on OWSJ on concrete blocks.  
 (1981) Original Building (West Wing - Library Clerestorey) - has steel deck on steel beams on steel columns.  
 (1981) Original Building (West Wing) - has steel deck on OWSJ on steel columns.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B1020.01 Roof Structural Frame\* - 1982 Section**

(1982) Addition - may have plywood roof deck, roof joists on wood studs.

<b><u>Rating</u></b>	<b><u>Installed</u></b>	<b><u>Design Life</u></b>	<b><u>Updated</u></b>
4 - Acceptable	1982	0	MAR-13

**S2 ENVELOPE****B2010.01.02 Masonry Units: Exterior Wall Skin - 1981 Section**

(1981) Original Building (East Wing - East side of Mechanical Room 35) - has 200mm concrete block.

(1981) Original Building (West Wing - North side of Computer Room 13, Boys Washroom 1, Girls Washroom 2) - has 200mm concrete block.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B2010.01.02.01 Brick Masonry: Ext. Wall Skin\* - 1981 Section**

(1981) Original Building - has 100mm face brick.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B2010.01.06.03 Metal Siding\*\* - 1982 Section**

(1982) Addition (Exterior Fascia) - has vertical metal siding.

(1982) Addition (Exterior Walls) - has vertical metal cladding panels.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1982	40	MAR-13

**Event: Repair metal siding. (approx. 50 square metres)****Concern:**

(1982) Addition - has dented vertical metal cladding panels.

**Recommendation:**

Repair metal siding. (approx. 50 square metres)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2012	\$7,500	Low

**Updated:** MAR-13

**Event: Replace metal siding. (approx. 200 square metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2022	\$30,000	Unassigned

**Updated:** MAR-13

**B2010.01.06.04 Wood Siding\*\* - 1981 Section**

(1981) Original Building (Fascia above windows, South Main Entrance, Exits, Library Clerestorey) - have painted horizontal wood siding.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	40	MAR-13

**Event: Replace wood siding. (approx. 100m<sup>2</sup>)****Recommendation:**

Replace wood siding. (Main Floor approx. 50m<sup>2</sup>; Library Clerestorey approx. 50m<sup>2</sup>)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$15,000	Unassigned

**Updated:** MAR-13

**B2010.01.09 Expansion Control: Ext. Wall\* - 1981 Section**

(1981) Original Building - face brick has control joints.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B2010.01.11 Joint Sealers (caulking): Ext. Wall\*\* - 1981 Section**

(1981) Original Building - face brick control joints have joint sealants. (approx. 100 linear metres)

(1981) Original Building - window and door openings have joint sealants. (approx. 100 linear metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	20	MAR-13

**Event: Replace joint sealants. (approx. 200 linear metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$6,000	Unassigned

**Updated:** MAR-13

**B2010.01.13 Paints (& Stains): Ext. Wall\*\* - 1981 Section**

(1981) Original Building (Fascia above windows, South Main Entrance, Exits, Library Clerestorey) - have painted horizontal wood siding.

(1981) Original Building (Soffits above windows, South Main Entrance, Exits) - have painted wood siding.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	15	MAR-13

**Event:** Paint / stain exterior wood fascia, soffits and doors.  
(approx. 150m<sup>2</sup>)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$5,000	Unassigned

**Updated:** MAR-13

**B2010.02.03 Masonry Units: Ext. Wall Const.\* - 1981 Section**

(1981) Original Building (East Wing) - has concrete block.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B2010.02.05 Wood Framing: Ext. Wall Const.\* - 1982 Section**

(1982) Addition (Exterior Walls) - has wood studs.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1982	0	MAR-13

**B2010.03 Exterior Wall Vapour Retarders, Air Barriers, and Insulation\* - 1981, 1982 Sections**

(1981) Original Building (East Wing) - has 100mm face brick, 40mm rigid insulation, concrete block.

(1981) Original Building (West Wing) - has 100mm face brick, air space, building paper, exterior plywood sheathing, 140mm steel studs at 400mm o.c., RSI 3.5 batt insulation, vapour barrier, 15.9mm drywall, 40mm rigid insulation, concrete block.

(1982) Addition - has building paper, batt insulation and vapour barrier.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B2010.06 Exterior Louvers, Grilles, and Screens\* - 1981, 1982 Sections**

(1981) Original Building (Mechanical Room 35) - has metal louvres on the East wall.

(1982) Addition (Classroom 42, 43, 44, 45) - have metal louvres.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13



**B2010.09 Exterior Soffits\* - 1981 Section**

(1981) Original Building (West Wing - Soffits above windows, South Main Entrance, Exits) - have painted cedar siding on 12mm plywood on steel studs at 400mm o.c..

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B2020.01.01.02 Aluminum Windows (Glass & Frame)\*\* - 1981 Section**

(1981) Original Building (Classroom 4, 5, 10, Computer Room 13, ECS 15, Administration 21, Infirmary 23, Staff Room 27, Science/Art 29) - have aluminum windows c/w clear glass. (11 windows)

(1981) Original Building (Library 12) - has aluminum framed clerestory windows. (32 windows)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	40	MAR-13

**Event: Replace aluminum windows - 1981 Section (Glass & Frame). (43 windows)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$43,000	Unassigned

**Updated:** MAR-13

**Event: Replace gaskets - 1981 Section. (43 windows)****Concern:**

(1981) Original Building (Classroom 4, 5, 10, Library 12, Computer Room 13, ECS 15, Administration 21, Infirmary 23, Staff Room 27, Science/Art 29) - aluminum framed windows have worn out gaskets. (approx. 43 windows)

**Recommendation:**

Replace gaskets. (43 windows)

**Consequences of Deferral:**

Inferior gaskets cause condensation and leakage along interior window sills.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2012	\$17,200	Low

**Updated:** MAR-13

**B2020.01.01.02 Aluminum Windows (Glass & Frame)\*\* - 1982 Section**

(1982) Addition (Classroom 42, 43, 44, 45) - have residential aluminum framed windows c/w sliders. (16 windows)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1982	40	MAR-13

**Event: Replace windows - 1982 Section. (16 windows)****Concern:**

(1982) Addition (Classroom 42, 43, 44, 45) - aluminum framed windows are difficult to operate. (16 windows)

**Recommendation:**

Replace windows. (16 windows)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2012	\$16,000	Low

**Updated:** MAR-13

**B2030.01.02 Steel-Framed Storefronts: Doors\*\***

(1981) Original Building (South Main Entrance F1) - has metal doors and metal framed storefront c/w wireglass sidelite. (2 doors)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace metal framed storefronts and doors. (2 doors)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$4,000	Unassigned

**Updated:** MAR-13

**B2030.02 Exterior Utility Doors\*\* - 1981 Section**

(1981) Original Building (Classroom 11) - has metal door and metal frame c/w wireglass sidelite. (1 door)  
 (1981) Original Building (ECS 14, Electrical Room 30, Meter Room 31, Mechanical Room 35, Gymnasium 41, South Exit, Southwest Exit F2, West Exit F3, North Exit F5, East Exit F6) - have metal doors and metal frames. (approx. 18 doors)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	40	MAR-13

**Event: Replace exterior utility doors - 1981 Section. (13 doors)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$13,000	Unassigned

**Updated:** MAR-13

**Event: Replace exterior utility doors - 1981 Section. (6 doors)**

**Concern:**  
 (1981) Original Building (Southwest Exit F2, West Exit F3) - metal doors have welded hinges which are not the original hardware and hinder the proper operation of doors.

**Recommendation:**  
 Replace exterior utility doors. (6 doors)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2012	\$6,000	Low

**Updated:** MAR-13



(1981) Original Building (Southwest Exit F2) - metal doors have welded hinges.

**B2030.02 Exterior Utility Doors\*\* - 1982 Section**

(1982) Addition (Classroom 42, 43, 44, 45) - have 3/4 hour fire rated metal doors and metal frames. (4 doors)  
 (1982) Addition (Northwest Exit F4) - has metal doors and metal frame. (2 doors)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1982	40	MAR-13

**Event: Replace exterior utility doors - 1982 Section. (2 doors)****Concern:**

(1982) Addition (Northwest Exit F4) - metal doors have welded hinges which are not the original hardware and hinder the proper operation of doors.

**Recommendation:**

Replace exterior utility doors. (2 doors)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2012	\$2,000	Low

**Updated:** MAR-13

**Event: Replace exterior utility doors - 1982 Section. (4 doors)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2022	\$4,000	Unassigned

**Updated:** MAR-13

**B3010.01 Deck Vapour Retarder and Insulation\* - 1981, 1982 Sections**

(1981) Original Building - has rigid insulation, steel deck.  
 (1982) Addition - has rigid insulation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B3010.04.01 Built-up Bituminous Roofing (Asphalt & Gravel)\*\* - 1981, 1982 Sections**

(1981) Original Building - has built-up roofing. (approx. 2220 square metres)  
 (1982) Addition - has built-up roofing. (approx. 410 square metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	25	MAR-13



Partial view of built-up roofing.

**Event:** Replace built-up roofing. (approx. 2610 square metres)

**Concern:**

(1981) Original Building - built-up roofing has moss, blisters and bubbles. (approx. 2220 square metres)  
 (1982) Addition - built-up roofing has blisters and bubbles. (approx. 410 square metres)

**Recommendation:**

Replace built-up roofing. (approx. 2610 square metres)



(1982) Addition - built-up roofing has blisters and bubbles. (approx. 410 square metres)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2012	\$522,000	Low

**Updated:** MAR-13

**B3010.09 Roof Specialties and Accessories\***

(1981) Original Building (Low Roof to Gym 41 Roof) - has metal cat ladder.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**B3020.02 Other Roofing Openings (Hatch, Vent, etc)\* - 1981, 1982 Sections**

(1981) Original Building (Utility 37 to Roof) - has metal cat ladder to roof hatch.  
 (1981) Original Building - has vents, roof drains.  
 (1982) Addition - has vents, roof drains.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**S3 INTERIOR****C1010.01 Interior Fixed Partitions\***

(1981) Original Building (East Wing) - has concrete block walls.  
 (1981) Original Building (West Wing) - has steel stud partitions.

(1982) Addition - has wood studs.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C1010.06 Interior Glazed Partitions and Storefronts\***

(1981) Original Building (South Main Entrance F1) - has metal doors and metal framed storefront c/w wireglass sidelite.  
 (1981) Original Building (Principal 17, Office 20) - have metal framed storefronts c/w clear glass.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C1020.01 Interior Swinging Doors (& Hardware)\***

(1981) Original Building - have wood doors and metal frames.

(1982) Addition (Classroom 42, 43, 44, 45) - have wood doors and metal frames c/w wireglass sidelites.  
 (1982) Addition (Storage 46) - have wood door and metal frame.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	0	MAR-13

**Event: Replace doors. (2 doors)****Concern:**

(1981) Original Building (Computer Room 13, Teacher's Resource Room 50) - wood doors are warped and badly chipped at their edges.

**Recommendation:**

Replace doors. (2 doors)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2013	\$1,000	Low

**Updated:** MAR-13

**C1020.03 Interior Fire Doors\***

(1981) Original Building (Gym Storage 40) - has metal doors and metal frame.  
 (1981) Original Building (Corridor C1 to C9) - has 1.5 hour fire rated metal doors and 3 hour fire rated metal frame.  
 (1981) Original Building (Corridor C6) to (1982) Addition (Corridor C7) - has 1.5 hour fire rated metal doors and 3 hour fire rated metal frame.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13



**C1030.01 Visual Display Boards\*\***

(1981) Original Building (Classroom 4, 5, 10, 11, Computer Room 13, ECS 14, 15, Copy Room 19, Administration 21, Infirmary 23, Staff Room 27, Music Room 28, Science/Art 29, Office 39, Teacher's Resource Room 50, Corridor C1, C2, C6, C9) - have 17 whiteboards, 3 blackboards and 16 tackboards.

(1982) Addition (Classroom 42, 43, 44, 45) - have 12 whiteboards, 2 blackboards and 1 tackboard.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	20	MAR-13

**Event: Replace visual display boards. (approx. 51 boards)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$51,000	Unassigned

**Updated:** MAR-13

**C1030.02 Fabricated Compartments (Toilets/Showers)\*\***

(1981) Original Building (Boys Washroom 1, 7, 51, Girls Washroom 2, 6, Men's Washroom 25, Women's Washroom 26) - have prefinished metal toilet partitions. (approx. 16 partitions)

(1981) Original Building (Office Washroom 47) - has prefinished metal shower compartment. (1 compartment)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace prefinished metal partitions. (approx. 16 partitions and 1 compartment)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$8,500	Unassigned

**Updated:** MAR-13

**C1030.08 Interior Identifying Devices\***

(1981) (1982) - all rooms have interior identifying devices.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C1030.10 Lockers\*\***

(1981) Original Building (Mechanical Room 35) - has single tier metal locker. (1 locker)  
 (1981) Original Building (Gym Storage 40) - has double tier metal lockers. (2 lockers)  
 (1982) Addition (Classroom 42, 43, 44, 45) - have single tier open wood lockers. (approx. 52 lockers)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace lockers. (approx. 55 lockers)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$27,500	Unassigned

**Updated:** MAR-13

**C1030.12 Storage Shelving\***

(1981) Original Building (Server Room 3, Utility 8, 37, Art Storage 9, Copy Room 19, Kitchen 16, Library Storage 22, Teacher's Resource Room 50) - have wood shelves.  
 (1982) Addition (Storage 46) - has wood shelves.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C1030.14 Toilet, Bath, and Laundry Accessories\***

(1981) Original Building (Boys Washroom 1, 7, 51, Girls Washroom 2, 6, 52, Men's Washroom 25, Women's Washroom 26, Office Washroom 47, ECS Washroom 48, Infirmary Washroom 49) - have toilet accessories.  
 (1981) Original Building (Office Washroom 47) - has shower accessories.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C1030.17 Other Fittings\* - Boot Racks**

(1981) Original Building (Corridor C5, C6) - have metal boot racks.  
 (1982) Addition (Corridor C7) - has metal boot racks.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C1030.17 Other Fittings\* - Coat Hooks**

(1981) Original Building (Classroom 5, 10, 11, ECS 14, 15) - have coat hooks.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13



**C2030 Interior Ramps\***

(1981) Original Building (Music Room 28) - has wood ramp c/w carpet finish. (1 ramp)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C3010.02 Wall Paneling\*\***

(1981) Original Building (Library 12 Clerestorey, Music Room 28) - have horizontal wood wall panelling. (approx. 80 square metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event:** Replace wood paneling. (approx. 80 square metres)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$8,000	Unassigned

**Updated:** MAR-13

**C3010.06 Tile Wall Finishes\*\***

(1981) Original Building (Boys Washroom 1, 7, 51, Men's Washroom 25) - have ceramic tiles around urinals. (approx. 10 square metres)

(1981) Original Building (Utility 8) - has ceramic tiles around sink. (approx. 1 square metre)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	40	MAR-13

**Event:** Replace tile wall finish. (approx. 11 square metres)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$3,000	Unassigned

**Updated:** MAR-13

**C3010.11 Interior Wall Painting\***

(1981) Original Building (East Wing) - has painted concrete block walls.

(1981) Original Building (West Wing - Washrooms, Utility 8, Art Storage 9) - have painted drywall.

(1982) Addition (Storage 46) - has painted drywall.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C3010.12 Wall Coverings\***

(1981) Original Building (Classroom 4, 5, 10, 11, Library 12, Computer Room 13, ECS 14, 15, Principal 17, Counsellor 18, Copy Room 19, Office 20, Administration 21, Staff Room 27, Music Room 28, Science/Art 29, Teacher's Resource Room 50) - have gypsum wall boards with vinyl wall finish.

(1982) Addition (Classroom 42, 43, 44, 45, Corridor C7, C8) - have gypsum wall boards with vinyl wall finish.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C3010.14 Other Wall Finishes\* - Face Brick**

(1981) Original Building (South Main Entrance F1 Vestibule) - has face brick.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C3020.01.02 Painted Concrete Floor Finishes\***

(1981) Original Building (Electrical Room 30, Meter Room 31, Mechanical Room 35) - have unpainted concrete floor.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**C3020.02 Tile Floor Finishes\*\***

(1981) Original Building (Boys Washroom 1, 7, 51, Girls Washroom 2, 6, 52, Men's Washroom 25, Women's Washroom 26, Storage 36, 38, Corridor C1) - have quarry tile flooring. (approx. 200 square metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	50	MAR-13

**Event: Replace tile flooring. (approx. 200 square metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2031	\$54,000	Unassigned

**Updated:** MAR-13

**C3020.04 Wood Flooring\*\***

(1981) Original Building (Gymnasium 41) - has wood strip flooring. (approx. 365 square metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace wood flooring. (approx. 365 square metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$92,000	Unassigned

**Updated:** MAR-13

**C3020.07 Resilient Flooring\*\* - 1981, 1982 Sections**

(1981) Original Building (Server Room 3, partial Classroom 4, 5, 10, Utility 8, 37, Art Storage 9, Computer Room 13, ECS 14, partial ECS 15, Kitchen 16, partial Administration 21, Library Storage 22, Infirmary 23, Workroom 24, partial Staff Room 27, Storage 33, Office 39, Gym Storage 40, Teacher's Resource Room 50, Office Washroom 47, ECS Washroom 48, Infirmary Washroom 49, Corridor C3, C4, C5, C6, C9) - have vinyl tile flooring. (approx. 605 square metres)

(1982) Addition (partial Classroom 42, 43, 44, 45, Storage 46) - have vinyl tile flooring. (approx. 135 square metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	20	MAR-13

**Event:** **Replace resilient flooring. (approx. 740 square metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$74,000	Unassigned

**Updated:** MAR-13

**C3020.08 Carpet Flooring\*\* - 1981 Section**

(1981) Original Building (partial Classroom 4, 5, 10, Classroom 11, Library 12, partial ECS 15, Principal 17, Counsellor 18, Copy Room 19, Office 20, partial Administration 21, partial Staff Room 27, Music Room 28, Science/Art 29, Janitor's Office 34, Corridor C2) - have carpet flooring. (approx. 790 square metres) (installed in 2001)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2001	15	MAR-13

**Event:** **Replace carpet flooring - 1981 Section. (approx. 790 square metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$79,000	Unassigned

**Updated:** MAR-13

**C3020.08 Carpet Flooring\*\* - 1982 Section**

(1982) Addition (partial Classroom 42, 43, 44, 45) - have carpet flooring. (approx. 235 square metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1982	15	MAR-13

**Event:** Replace carpet flooring - 1982 Section. (approx. 235 square metres)

**Concern:**

(1982) Addition (partial Classroom 42, 43, 44, 45) - carpet flooring has ripples and open seams. (approx. 235 square metres)

**Recommendation:**

Replace carpet flooring. (approx. 235 square metres)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2012	\$23,500	Low

**Updated:** MAR-13



(1982) Addition (partial Classroom 42) - carpet flooring has ripples and open seams.

**C3030.06 Acoustic Ceiling Treatment (Susp. T-Bar)\*\* - 1981, 1982 Sections**

(1981) Original Building (Server Room 3, Classroom 4, 5, 10, 11, Utility 8, 37, Art Storage 9, Library 12, Computer Room 13, ECS 14, 15, Kitchen 16, Principal 17, Counsellor 18, Copy Room 19, Office 20, Administration 21, Library Storage 22, Infirmary 23, Workroom 24, Staff Room 27, Music Room 28, Science/Art 29, Electrical Room 30, Meter Room 31, Janitor's Office 34, Storage 33, Office 39, Gym Storage 40, Teacher's Resource Room 50, Boys Washroom 1, 7, Girls Washroom 2, 6, Men's Washroom 25, Women's Washroom 26, Office Washroom 47, ECS Washroom 48, Infirmary Washroom 49, Corridor C1, C2, C3, C4, C5, C6, C9) - have suspended T-bar ceiling system c/w acoustic ceiling tiles. (approx. 1525 square metres)

(1982) Addition (Classroom 42, 43, 44, 45, Storage 46, Corridor C7, C8) - have suspended T-bar ceiling system c/w acoustic ceiling tiles. (approx. 370 square metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	25	MAR-13

**Event:** Replace suspended T-bar ceiling system. (approx. 1895 square metres)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$142,200	Unassigned

**Updated:** MAR-13

**C3030.07 Interior Ceiling Painting\***

(1981) Original Building (Storage 36, 38, Boys Washroom 51, Girls Washroom 52) - have painted gypsum board ceiling finish.

(1981) Original Building (Mechanical Room 35, Gymnasium 41) - have painted OWSJ and metal deck ceiling.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**S4 MECHANICAL****D2010.04 Sinks\*\***

One large 24"x36" stainless steel sink complete with swing spout.  
 One triple compartment stainless steel sink complete with 14" swing spout and metering faucet.  
 Ten stainless steel single compartment sinks complete with 8" gooseneck spout, metering faucet and drinking fountains.  
 Three Molded Stone MSB-2436 floor mounted mop sinks with backsplash and 800A valve breakers.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace Fifteen Sinks.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$17,000	Unassigned

**Updated:** MAR-13**D2010.05 Showers\*\***

One - three wall shower stalls, complete with mixing valve and shower head.  
 Eight shower heads with push valves serving Boys' and Girls' Showers, water temperature is controlled by a Symmons temperature control valve.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace nine Showers.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$15,000	Unassigned

**Updated:** MAR-13**D2010.08 Drinking Fountains/Coolers\*\***

Eight wall hung, vitreous china drinking fountains located in corridors.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event: Replace eight Drinking Fountains.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$12,000	Unassigned

**Updated:** MAR-13

**D2010.09 Other Plumbing Fixtures\***

Perimeter of the building is equipped with non-freeze hose bibs with backflow preventors.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D2010.10 Washroom Fixtures (WC, Lav, Urnl)\*\***

The School is equipped with the following Washroom fixtures:

- Three vanity top mounted, vitreous china lavatories complete with mixing faucet.
- Five wall hung, vitreous china lavatories complete with push valve faucets.
- Eleven Aristaline vanity top mounted, stainless steel, oval lavatories complete with push valve faucets.
- Two American Standard barrier free, elongated, vitreous china, floor mounted water closets complete with Teck flush valves and open front seats.
- Thirteen American Standard, elongated, vitreous china, floor mounted water closets complete with Teck flush valves and open front seats.
- Four close coupled, vitreous china, floor mounted water closets complete with seat and covers.
- Six Crane, floor mounted, stall type, top inlet, urinals complete with Teck flush valves.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event: Replace forty-four Washroom Fixtures.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$40,000	Unassigned

**Updated:** MAR-13

**D2020.01.01 Pipes and Tubes: Domestic Water\***

All Mainly copper domestic water piping throughout the school with solder fittings.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D2020.01.02 Valves: Domestic Water\*\***

Mainly ball and gate valves throughout school - isolation service.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	40	MAR-13

**Event: Replace 50 isolation valves.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$10,000	Unassigned

**Updated:** MAR-13

**D2020.01.03 Piping Specialties (Backflow Preventers)\*\***

Backflow preventors on all non freeze hose bibs located around the perimeter of the School.  
Backflow prevention valve on make up line to boilers 3/4" Watts.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1998	20	MAR-13

**Event: Replace 6 backflow preventors.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2018	\$9,000	Unassigned

**Updated:** MAR-13

**D2020.02.02 Plumbing Pumps: Domestic Water\*\***

One Bell & Gossett domestic hot water recirculation pump model PL-52B.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2003	20	MAR-13

**Event: Replace one Domestic Hot Water Circulating Pump.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2023	\$2,000	Unassigned

**Updated:** MAR-13

**D2020.02.06 Domestic Water Heaters\*\***

Two A.O. Smith domestic water heaters provide the School with domestic hot water. They are model BTRC120-110 with an input capacity of 108,000 BTUH a storage capacity of 71 gallons and 104.76 gallon per hour recovery. The School has backup capability.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2003	20	MAR-13

**Event: Replace two Domestic Water Heaters.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2023	\$10,000	Unassigned

**Updated:** MAR-13

**D2020.03 Water Supply Insulation: Domestic\***

All water supply lines are insulated throughout the school with preformed fibreglass insulation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D2030.01 Waste and Vent Piping\***

PVC and ABS piping system throughout the school. Each fixture vented to atmosphere. Traps are provided where necessary. Sanitary drainage effluent is collected into common 6" sanitary main. Flows by gravity @ 1% slope to the South.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D2040.01 Rain Water Drainage Piping Systems\***

Roof drains are connected to the 12" storm line providing the School's storm and connects to the municipal storm main to the South of the School.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D2040.02.04 Roof Drains\***

J.R. Smith roof drains (various sizes) with cast iron dome strainers.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D3010.02 Gas Supply Systems\***

Gas distribution from the Gas Metering Room on the South East corner of the School to furnaces, domestic water heaters and boilers.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	0	MAR-13

**Event: Remove rust and repaint rooftop Gas line.****Concern:**

Rooftop Gas line is rusted.

**Recommendation:**

Remove surface rust and ensure gas line is painted to protect from environment.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Preventative Maintenance	2014	\$10,000	Low

**Updated:** MAR-13



**D3020.02.01 Heating Boilers and Accessories: H.W.\*\***

Two Rheem model UB1216-2SS1A copper tube boilers with an input capacity of 1,094,400 BTUH provide heating water for the School. The boilers are complete with pressure relief valves, low water cut off, flow control valve model 3282LA, Bell & Gossett model 192 circulating pumps with a 4.2 L/s capacity and a 3hp motor and chemical pot feeder.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event: Replace two Heating Boilers and Accessories.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$80,000	Unassigned

**Updated:** MAR-13

**D3020.02.02 Chimneys (& Comb. Air): H.W. Boiler\*\***

Two domestic water heaters are connected to a single type-B vent, two boilers are connected to two type-B vents, one serving each boiler. Both vents are thermally insulated with 2" insulation, 3 meters from roof penetration. Combustion air duct to spillbox complete with a unit heater. Open ended relief air duct located on roof.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event: Replace 2 Boiler Chimneys (&Comb. Air).**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$15,000	Unassigned

**Updated:** MAR-13

**D3020.02.03 Water Treatment: H. W. Boiler\***

Chemical pot feeder serves the hot water heating system.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D3020.03.01 Furnaces\*\***

Carrier gas fired, forced air furnaces in attached Pod classrooms. Model unknown.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2004	25	MAR-13

**Event: Replace 4 Pod furnaces.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2029	\$16,000	Unassigned

**Updated:** MAR-13

**D3020.03.02 Chimneys (& Comb. Air): Furnace\***

Class 'B' metal chimneys, vented up through roof.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2004	0	MAR-13

**D3040.01.01 Air Handling Units: Air Distribution\*\***

The School is equipped with two air handling units, AHU-1 provides ventilation to the Gymnasium while AHU-2 provides ventilation to the rest of the School.

Both units are Trane air handling units complete with return and supply fans, two heating coils per unit, one for the supply and one for the return air duct both units mix in outside air that is supplied via outside air duct complete with pneumatic dampers. Airflow capacities are unknown.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace Two Air Handling Units.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$180,000	Unassigned

**Updated:** MAR-13

**D3040.01.03 Air Cleaning Devices: Air Distribution\***

Standard 2" replaceable medium filters are used in both air handling units, changed on regular intervals.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D3040.01.04 Ducts: Air Distribution\***

School is equipped with low velocity galvanized steel ducts throughout providing the supply and return air.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D3040.01.07 Air Outlets & Inlets: Air Distribution\***

Square 24"x24" ceiling diffusers located throughout the School supply air into Classrooms. Egg crate grilles serve the return air back to the air handling units.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D3040.03.01 Hot Water Distribution Systems\*\***

Insulated copper piping distribution to perimeter radiation in the Classrooms, force flow heaters in entrance vestibules, and four unit heaters. The piping is insulated throughout.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	40	MAR-13

**Event:** Replace hot water distribution system (BOE: 2596 sq. M. GFA).

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$200,000	Unassigned

**Updated:** MAR-13

**D3040.04.01 Fans: Exhaust\*\***

Five roof top mounted exhaust fans powered by Emerson SA55NXTD-4514 1/4hp motors serving the School's Locker Rooms, and Washrooms.

Two Broan model 78000 kitchen exhaust fans with a 170 CFM capacity located in Kitchens.

There are three Storage Rooms and one (1) Copy Room that do not have exhaust fans installed

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	30	MAR-13

**Event:** Install 4 new Exhaust Fans and Ducts.

**Concern:**

There are three Storage Rooms and one Copy Room in the School that do not have exhaust fans installed.

**Recommendation:**

Install exhaust fans and ductwork to Storage Rooms 9, 16, 40 and Copy Room 19.

**Consequences of Deferral:**

Continued stuffy conditions in the affected spaces.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Indoor Air Quality Upgrade	2014	\$20,000	Low

**Updated:** MAR-13

**Event:** Replace Seven Exhaust Fans.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$16,000	Unassigned

**Updated:** MAR-13

**D3040.04.03 Ducts: Exhaust\***

Exhaust air ductwork to roof and ceiling mounted fans. All ducts insulated with 1" thermal insulation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D3040.04.05 Air Outlets and Inlets: Exhaust\***

Standard egg crate grilles are provided to exhaust air ducts, grilles are in acceptable condition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D3050.02 Air Coils\*\***

Air coils are located throughout the ductwork, controlled by thermostats to attain temperature zoning of ventilation system.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace 10 Reheat Coils.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$15,000	Unassigned

**Updated:** MAR-13

**D3050.03 Humidifiers\*\***

One HB Smith model G300 steam boiler with an input capacity of 525,000 BTUH and 420,000 BTUH output is not in use but connected to both of the air handling units.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	25	MAR-13

**Event: Replace Steam Humidification Boiler.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$10,000	Unassigned

**Updated:** MAR-13

**D3050.05.01 Convectors\*\***

Three Convector heaters serving two Girls' Washrooms and one Boys' Washroom.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	40	MAR-13

**Event: Replace 3 Convector heaters.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$3,000	Unassigned

**Updated:** MAR-13

**D3050.05.02 Fan Coil Units\*\***

Five force flow heaters serving entrance vestibules.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace Five Fan Coil Units.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$10,000	Unassigned

**Updated:** MAR-13

**D3050.05.03 Finned Tube Radiation\*\***

Perimeter finned tube radiation is provided throughout the School in hallways and Classrooms.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	40	MAR-13

**Event: Replace 200 m of perimeter finned tube radiation.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$50,000	Unassigned

**Updated:** MAR-13

**D3050.05.06 Unit Heaters\*\***

Two Rosemex model R587 unit heaters serving Gymnasium.  
One Rosemex unit heater serving combustion air duct in the Mechanical Room.  
One Rosemex unit heater serving Electrical Room.

All unit heaters complete with line voltage thermostats.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace Four Unit Heaters.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$6,000	Unassigned

**Updated:** MAR-13

**D3060.02.02 Pneumatic Controls\*\***

Pneumatic control pressure controls the AHUs and heating systems in the school. The compressed air is generated by Johnson Controls pump complete with Johnson Controls compressed air dryer.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event:** Install new pneumatic control system (BOE: 2596 sq. M. GFA).

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$35,000	Unassigned

**Updated:** MAR-13

**D3060.02.05 Building Systems Controls (BMCS, EMCS)\*\***

Reliable Building automation system, controlling Heating & Ventilation systems.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2010	20	MAR-13

**Event:** Replace Building DDC system (BOE: 2596 sq. M. GFA).

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2030	\$40,000	Unassigned

**Updated:** MAR-13

**D4030.01 Fire Extinguisher, Cabinets and Accessories\***

5lbs. ABC fire extinguishers are located throughout the School.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**S5 ELECTRICAL****D5010.01.02 Main Electrical Transformers (Utility Owned)\***

Power to the school is provided from a utility-owned, pad mounted transformer located on the south side of the school, on school property.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	1981	0	MAR-13

**D5010.03 Main Electrical Switchboards (Main Distribution)\*\***

A Westinghouse 2 section switchboard has been provided, rated at 600A, 120/208V, 3 phase wire, and fed underground from an on-site pad mounted transformer that is located on the south side of the property. The switchboard is located in the electrical room. It is complete with a 600 main breaker. A surge suppressor has been provided. All feeder breakers have been well identified and there is ample spare capacity in the distribution section

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	1981	40	MAR-13

**Event: Replace 600A Main Electrical Switchboard (Main distribution Centre).**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$75,000	Unassigned

**Updated:** MAR-13

**D5010.05 Electrical Branch Circuit Panelboards (Secondary Distribution)\*\***

Branch circuit breaker panels located through out the school with bolt in type breakers. Panels are approximately 90% full.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace 6 Electrical Branch Circuit Panelboards**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$30,000	Low

**Updated:** MAR-13

**D5010.07.02 Motor Starters and Accessories\*\***

Individual magnetic motor starters have been provided for motor control. Starters are complete with pilot lights

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace 10 Motor Starters and Accessories.**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$10,000	Low

**Updated:** MAR-13

**D5020.01 Electrical Branch Wiring\***

All wiring is copper and installed in conduit.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	1981	0	MAR-13

**D5020.02.01 Lighting Accessories: Interior (Lighting Controls)\***

The lights in the classrooms and offices are controlled locally and the hallway lights are controlled in the administration office. Switches are of the line voltage type.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**D5020.02.02.02 Interior Fluorescent Fixtures\*\***

Lighting is provided by fluorescent fixtures, utilizing T12 lamps and magnetic ballasts.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	30	MAR-13

**Event: Replace 450 Fluorescent Fixtures with energy efficient fixtures****Concern:**

Fixtures are at the end of their life cycle expectancy and are not energy efficient.

**Recommendation:**

Replace fixtures with energy efficient fixtures, utilizing energy efficient T8 lamps and electronic ballasts.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2012	\$135,000	Low

**Updated:** MAR-13

**D5020.02.03.03 Exit Signs\***

Exit signs are of the LED type.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2002	0	MAR-13

**D5020.03.01.04 Exterior H.P. Sodium Fixtures\***

Wall packs located around perimeter of school.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	1981	0	MAR-13



**D5020.03.02 Lighting Accessories: Exterior (Lighting Controls)\***

All the outdoor lights are controlled by photocell

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	1981	0	MAR-08

**D5030.01 Detection and Fire Alarm\*\***

A Simplex 2001 hardwired, zoned fire alarm system, complete with detection devices and bells has been provided. Main control panel is located in the main entrance vestibule. System is monitored and tested annually.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	25	MAR-13

**Event: Replace Fire Alarm System: (2500 Sq. m )****Concern:**

System is obsolete and exceeded its theoretical life. Strobes are not available for the hearing impaired. System is no longer manufactured or supported by the manufacturer. Replacement parts are no longer available.

**Recommendation:**

Replace system with new addressable system utilizing new addressable devices, horn/strobe units.

**Consequences of Deferral:**

School would be left without a fire alarm system in the event of system failure.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2014	\$50,000	High

**Updated:** MAR-13

**D5030.02.02 Intrusion Detection\*\***

A Magnum Alert 3000 complete with IR detectors in the hallways has been provided. The system is externally monitored.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	1997	25	MAR-13

**Event: Replace Intrusion Detection: (2500 sq m GFA)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2022	\$37,500	Unassigned

**Updated:** MAR-13

**D5030.04.01 Telephone Systems\***

A Nortel Norstar system is used for the telephone system

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2001	0	MAR-13

**D5030.04.05 Local Area Network Systems\***

The LAN system was installed in 2002 and has data outlets installed throughout the entire school, including classrooms and offices.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	1997	0	MAR-13

**D5030.05 Public Address and Music Systems\*\***

A Bogen Multicom 2000 system is installed to perform Clock and Program System, Call, Paging, PA and Music functions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2001	20	MAR-13

**Event:** Replace Public Address and Music Systems: ( 2500 sq m GFA)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2021	\$62,500	Unassigned

**Updated:** MAR-13

**D5090.02 Packaged Engine Generator Systems (Emergency Power System)\*\***

20 kW Kohler emergency generator, natural gas fired engine. The system is complete with an automatic transfer switch, battery charger, and an emergency distribution panel. Selected light fixtures and some of the mechanical equipment has been connected to the emergency power system.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event:** Replace 20 kW Emergency Generator Systems.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$30,000	Unassigned

**Updated:** MAR-13

**S6 EQUIPMENT, FURNISHINGS AND SPECIAL CONSTRUCTION****E1020.02 Library Equipment\***

(1981) Original Building (Library 12) - has computer stations, magazine racks and wood bookshelves.

<b><u>Rating</u></b>	<b><u>Installed</u></b>	<b><u>Design Life</u></b>	<b><u>Updated</u></b>
4 - Acceptable	1981	0	MAR-13

**E1020.05 Audiovisual Equipment\***

(1981) Original Building (Classroom 4, 5, 10, Computer Room 13.Science/Art 29) - have 5 projection screens.

(1982) Addition (Classroom 45) - has 1 projection screen.

<b><u>Rating</u></b>	<b><u>Installed</u></b>	<b><u>Design Life</u></b>	<b><u>Updated</u></b>
4 - Acceptable	1981	0	MAR-13

**E1020.07 Laboratory Equipment\***

(1981) Original Building (Science/Art 29) - has eye wash station.

(1981) Original Building (Mechanical Room 35) - has eye wash station.

<b><u>Rating</u></b>	<b><u>Installed</u></b>	<b><u>Design Life</u></b>	<b><u>Updated</u></b>
4 - Acceptable	1981	0	MAR-13

**E1090.04 Residential Equipment\***

(1981) Original Building (Utility 8) - has washer.

(1981) Original Building (Kitchen 16) - has range.

(1981) Original Building (Administration 21) - has fridge.

(1981) Original Building (Staff Room 27) - has range, fridge, microwave and dishwasher.

<b><u>Rating</u></b>	<b><u>Installed</u></b>	<b><u>Design Life</u></b>	<b><u>Updated</u></b>
4 - Acceptable	1981	0	MAR-13

**E1090.07 Athletic, Recreational, and Therapeutic Equipment\***

(1981) Original Building (Gymnasium 41) - has 7 wall mounted basketball backstops.

<b><u>Rating</u></b>	<b><u>Installed</u></b>	<b><u>Design Life</u></b>	<b><u>Updated</u></b>
4 - Acceptable	1981	0	MAR-13

**E2010.01 Fixed Artwork\* - Murals**

(1981) Original Building (Corridor C1, C6) - have murals.

<b><u>Rating</u></b>	<b><u>Installed</u></b>	<b><u>Design Life</u></b>	<b><u>Updated</u></b>
4 - Acceptable	1981	0	MAR-13

**E2010.02 Fixed Casework\*\* - Display Case**

(1981) Original Building (Corridor C1 near Administration 21) - has display case.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event: Replace display case. (approx. 1 linear metre)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$1,000	Unassigned

**Updated:** MAR-13

**E2010.02 Fixed Casework\*\* - Millwork**

(1981) Original Building (Classroom 4, 5, 10, 11, Computer Room 13, ECS 14, 15, Kitchen 16, Infirmary 23, Workroom 24, Staff Room 27) - have millwork. (approx. 40 linear metres)

(1982) Addition (Classroom 42, 43, 44, 45) - have millwork. (approx. 16 linear metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event: Replace millwork. (approx. 56 linear metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$56,000	Unassigned

**Updated:** MAR-13

**E2010.02 Fixed Casework\*\* - Reception Counters**

(1981) Original Building (Library 12, Administration 21) - have reception counters. (approx. 5 linear metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event: Replace reception counters. (approx. 5 linear metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$5,000	Unassigned

**Updated:** MAR-13

**E2010.02 Fixed Casework\*\* - Vanities**

(1981) Original Building (Boys Washroom 1, 7, Girls Washroom 2, 6, Men's Washroom 25, Women's Washroom 26) - have plastic laminated vanities. (approx. 14 linear metres)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	35	MAR-13

**Event: Repair millwork. (approx. 2 linear metres)****Concern:**

(1981) Original Building (Women's Washroom 26) - has damaged vanity.

**Recommendation:**

Repair millwork. (approx. 2 linear metres)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2012	\$1,000	Low

**Updated:** MAR-13



(1981) Original Building (Women's Washroom 26) - has damaged vanity.

**Event: Replace millwork. (approx. 12 linear metres)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$6,000	Unassigned

**Updated:** MAR-13

**E2010.03.01 Blinds\*\***

(1981) Original Building (Principal 17, Office 20) - have venetian blinds. (4 blinds)

(1981) Original Building (Classroom 4, 5, 10, Computer Room 13, ECS 15, Administration 21, Infirmary 23, Staff Room 27, Science/Art 29) - have venetian blinds. (11 blinds)

(1981) Original Building (Library 12) - has venetian blinds. (32 blinds)

(1982) Addition (Classroom 42, 43, 44, 45) - have venetian blinds. (8 blinds)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace blinds. (approx. 55 blinds)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$22,000	Unassigned

**Updated:** MAR-13

**E2010.03.02 Interior Shutters\***

(1981) Original Building (Kitchen 16) - has aluminum roll shutter.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**E2010.05 Fixed Multiple Seating\*\***

(1981) Original Building (Music Room 28) - has raised wood platform c/w carpet finish.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	35	MAR-13

**Event: Replace platform. (1 platform)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$4,000	Unassigned

**Updated:** MAR-13**F1010.02.05 Grandstands and Bleachers\*\***

(1981) Original Building (Gymnasium 41) - has 2 tier retractable wood bleacher.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	MAR-13

**Event: Replace bleacher. (1 bleacher)**

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$4,000	Unassigned

**Updated:** MAR-13

**S8 SPECIAL ASSESSMENT****K4010.01 Barrier Free Route: Parking to Entrance\***

(1981) Original Building (South Main Entrance F1 to Parking Lot) - has barrier free route.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**K4010.02 Barrier Free Entrances\***

(1981) Original Building (South Main Entrance F1, South Main Entrance F1 Vestibule) - do not have automatic door operators.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1981	0	MAR-13

**Event: Provide automatic door operators. (2 doors)****Concern:**

(1981) Original Building (South Main Entrance F1, South Main Entrance F1 Vestibule) - do not have automatic door operators.

**Recommendation:**

Provide automatic door operators. (2 doors)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Barrier Free Access Upgrade	2012	\$20,000	Low

**Updated:** MAR-13

**K4010.03 Barrier Free Interior Circulation\***

Building corridors are wide enough for wheelchairs.

(1981) Original Building (Music Room 28) - has wood ramp c/w carpet finish. (1 ramp)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**K4010.04 Barrier Free Washrooms\***

(1981) Original Building (Boys Washroom 51) - has handicapped cubicle.

(1981) Original Building (Girls Washroom 52) - is a handicapped washroom.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**K4030.01 Asbestos\***

An asbestos survey was completed for Edmonton Public Schools in 2000.

HAZMAT Reports dated January 22, 2000 prepared by PHH Environmental Limited .

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**K4030.02 PCBs\***

No PCBs were observed or reported.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**K4030.04 Mould\***

No mould was observed or reported.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

**K4030.07 Ozone Depleting Substances (CFC's, HCFC's, Halon)\***

No ozone depleting substances were observed or reported.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	MAR-13

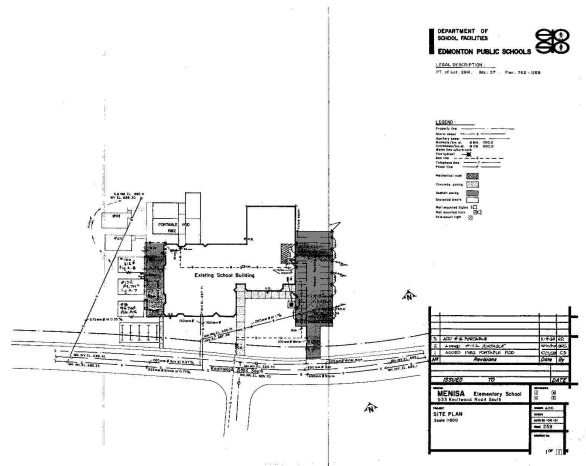
**K5010.01 Site Documentation\***

Prime Consultant Name - Francis Ng Architect Ltd.  
Date of Site Visit: July 30, 2012

(1981) Original Building - 2188.85 square metres.  
(1982) Addition - 407.35 square metres.  
Total building area is 2596.20 square metres.

Drawing attached - Site Plan.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2012	0	MAR-13



Site Plan.



**K5010.02 Building Documentation\***

Prime Consultant Name - Francis Ng Architect Ltd.  
 Date of Site Visit: July 30, 2012

(1981) Original Building - 2188.85 square metres.  
 (1982) Addition - 407.35 square metres.  
 Total building area is 2596.20 square metres.

Drawing attached - Floor Plan.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2012	0	MAR-13



Floor Plan.