

RECAPP Facility Evaluation Report

Rocky View Sch Div #41

R. J. Hawkey Elementary School

B2395A

Airdrie

Facility Details

Building Name: R. J. Hawkey Elementary Sc
Address: 233 Big Springs Drive
Location: Airdrie

Building Id: B2395A
Gross Area (sq. m): 4,058.91
Replacement Cost: \$9,288,597
Construction Year: 1980

Evaluation Details

Evaluation Company: Quinn Young Architects Ltd
Evaluation Date: July 11 2007
Evaluator Name: Sheldon Quinn

Total Maintenance Events Next 5 years: **\$1,064,911**
5 year Facility Condition Index (FCI): **11.46%**

General Summary:

This one storey K-4 Elementary school was constructed in 1980 with an area of 2965.7 sq.m. In 1993 six existing portables were retrofitted & relocated to the site and four new portables were constructed along with a connecting link for an additional area of 1097.3 sq.m. In 2000 The administration area of the school was modernized. The current total area of the school is 4063 sq.m. With 21 classrooms the school has a current capacity of approximately 420 students

Structural Summary:

The school is constructed with a slab on grade, concrete foundation walls and concrete strip footings. There are raised concrete floors over the chair storage area at the stage and at the mechanical mezzanine. Concrete block exterior walls are load bearing supporting a metal roof deck and OWSJ's . The interior structure consists of a combination of interior load bearing concrete block walls and HSS columns on concrete pedestals and pad footings.

Overall the structure is in acceptable condition.

Envelope Summary:

The exterior walls are split faced concrete block and block veneer at the gymnasium. The upper fascia band of the wall was reclad with prefinished metal cladding. Exterior doors are painted metal in pressed steel frames and windows are dark bronze anodized aluminum with double hung venting units. Recently the roof membrane has been replaced with a SBS membrane roof except for the upper mechanical room.

Overall the exterior is in acceptable condition

Interior Summary:

Interior flooring is undergoing replacement with sheet vinyl installed in exterior classrooms and new carpeting in the library, administration, computer room, staff room. The original classroom block consist of dismountable partitions and concrete block walls around the washrooms, mudrooms, and locker & gym areas. Ceilings are mostly acoustic tiles in a 'T' bar grid system except for paint drywall bulkheads and ceilings in the mudrooms, washrooms and storage areas. The gymnasium has a metal linear ceiling. In 2000 the administration area was modernized. Overall the interior is in acceptable condition.

Mechanical Summary:

The School is serviced by two indoor ventilation units located in the mechanical room. Heating is provided by two steel tube boilers located in the mechanical room and perimeter radiation cabinet and fin.

Overall the School is in acceptable condition.

Electrical Summary:

The main service is rated at 600A, 120/208V, 3-phase, 4-wire. Fluorescent lighting throughout the facility has been upgraded to T8 lamps with electronic ballasts. Exit lighting is LED. Emergency lighting is from battery packs and remote heads distributed around the school. The fire alarm panel is an Edwards ESA2000. A mix of Cat5/5e cabling provides data throughout the school.

Urgent requirements are the addition of a full-height rack for the data equipment. The PA system is also due for life cycle replacement.

Overall, the electrical systems are in Acceptable condition.

Rating Guide

Condition Rating	Performance
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*

Cast-in place reinforced concrete foundations walls on reinforced concrete strip footings. Reinforced concrete pedestals on reinforced concrete pad footings supporting HSS columns along corridors at classroom block above.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

A1030 Slab on Grade*

102mm Reinforced concrete slabs throughout.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	0	FEB-08

Event: Monitor Floor Settlement & Repair

Concern:

Wall cracking is occurring between the storage room and Staff Work Room. The floor has separated from the wall at the northwest mudroom opposite the washrooms.

Recommendation:

Review history as to how long these cracks have been visible. Make recommendations which may include:

- 1) repoint grout/mortar joints and repaint
- 2) relevel and install new quarry tile floor and base, or
- 3) mudjack floors as necessary

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Study	2008	\$17,160	Medium

Updated: FEB-08

Event: Repair florr settlement based on study results.

Concern:

Floor settlement between storage rm. and staff work room.

Recommendation:

Complete repairs based on study results. Provide cost allowance pending scope confirmation.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2009	\$17,160	Medium

Updated: APR-08

B1010.01 Floor Structural Frame (Building Frame)*

152mm concrete block walls on concrete slab with slab thickening at walls to support reinforced concrete stage floor.
204mm concrete block walls supporting mechanical room mezzanine floor

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B1010.02 Structural Interior Walls Supporting Floors (or Roof)*

204mm concrete block walls supporting roof around administration, staff work room, stage, locker rooms and east washrooms.
204mm concrete block walls forming mudrooms at north end corridors and supporting mechanical room mezzanine floor

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B1010.03 Floor Decks, Slabs, and Toppings*

Cast-in place 102mm reinforced concrete slab at stage chair storage area
Cast-in place 204mm reinforced concrete slab at mechanical room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B1010.05 Mezzanine Construction*

Metal pan with cast-in place 102mm reinforced concrete slab at stage chair storage area
Cast-in place 204mm reinforced concrete slab at mechanical room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B1010.09 Floor Construction Fireproofing*

Concrete slab on grade and concrete floor at mezzanine

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B1010.10 Floor Construction Firestopping*

No unprotected openings visible. None Reported

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B1020.01 Roof Structural Frame*

Metal roof deck supported on varying depth OWSJ's supported on concrete block or wide flange steel beams and HSS columns, throughout

Metal roof deck on 914mm deep OWSJ's at gymnasium supported on concrete block walls

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B1020.04 Canopies*

Recessed doorways at main entrance and mudrooms with metal clad canopy which is an extension of the roof system with steel angles or OWSJ's for support

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B1020.06 Roof Construction Fireproofing*

One storey building with non-combustible roof construction (not required)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

S2 ENVELOPE**B2010.01.02.02 Concrete Block: Ext. Wall Skin***

102mm concrete block veneer over concrete block structural wall at gymnasium

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	75	FEB-08

B2010.01.06.03 Metal Siding**

Prefinished metal cladding supported on wood framing.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1995	40	FEB-08

Event: Replace Metal Cladding

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2035	\$171,600	Unassigned

Updated: APR-08

B2010.01.09 Expansion Control: Exterior Wall Skin*

Expansion and control joints properly space around perimeter block walls. Joints are failing, refer to B2010.01.11 for event.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B2010.01.11 Joint Sealers (caulking): Ext. Wall**

Elastomeric joint sealers around windows at flashing transitions and at control joints

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
2 - Poor	1980	20	FEB-08

Event: Replace Joint Sealers**Concern:**

Expansion joints have no backing rods. Sealers are cracked and missing. Sealers at window frames and sills are cracked and separating

Recommendation:

Remove sealers add backer rods as necessary and install new elastomeric joint and control joint sealers

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2008	\$22,880	High

Updated: FEB-08

B2010.01.13 Paints (& Stains): Exterior Wall**

Painted exterior metal doors, railings, louvers, concrete block below windows. Upper roof ladders and louvers are in marginal condition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	15	FEB-08

Event: Repaint Doors, Block Walls & Railings

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$11,440	Unassigned

Updated: APR-08

Event: Repaint Roof Ladders & Air Intake Louver

Concern:

Roof Ladders have peeling and faded paint. Mechanical air-intake has faded paint and no longer blends in with metal cladding

Recommendation:

Repaint metal louvers and ladders. Coordinate with roofing upgrade to Mechanical room roof

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2009	\$3,432	Low

Updated: FEB-08

B2010.02.03 Masonry Units: Ext. Wall Const.*

Split faced concrete block walls around classrooms and office areas. Painted smooth faced block below windows

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B2010.02.05 Wood Framing : Ext. Wall Const.*

38x38 wood strapping to interior face of concrete blocks with 9mm plywood backing and vinyl covered fibreboard finish

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B2010.03 Exterior Wall Vapor Retarders, Air Barriers, and Insulation*

38mm batt insulation between wood strapping with poly vapour barrier

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B2010.06 Exterior Louvers, Grilles, and Screens*

Painted metal louvers at mechanical room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B2010.09 Exterior Soffits*

Prefinished metal soffits around reclad upper fascia panels. Painted plywood with wood battens at entrance door and mudroom canopies

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B2020.01.01.02 Aluminum Windows (Glass and Frame)**

Dark bronze anodized aluminum windows with double hung vented units and screens

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

Event: Replace Aluminum Windows

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$34,320	Unassigned

Updated: APR-08

B2030.01 Exterior Entrance Doors

Painted metal doors with vision lites and borrowed sidelight and clerestorey glazing

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Entrance Doors

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$6,864	Unassigned

Updated: APR-08

B2030.02 Exterior Utility Doors**

Painted metal doors in pressed steel frames to playground, at gymnasium exits and at portable connection

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

Event: Replace Exterior Utility Doors

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$16,016	Unassigned

Updated: APR-08

B3010.01 Deck Vapor Retarder and Insulation*

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

B3010.04.01 Built-up Bituminous Roofing (Asphalt & Gravel)**

Mechanical room has original tar an gravel built-up roof

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	25	FEB-08

Event: Preventative Maintenance

Concern:

Roof is badly blistered and gravel is minimal

Recommendation:

Replace with SBS membrane roofing

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2009	\$45,760	Medium

Updated: FEB-08

B3010.04.04 Modified Bituminous Membrane Roofing (SBS)**

2-Ply SBS membrane roofing

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2002	25	FEB-08

Event: Replace SBS Mebrane Roofing

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2027	\$286,000	Unassigned

Updated: APR-08

B3010.08.02 Metal Gutters and Downspouts**

No external gutters or downspouts. All roof drains are connected to building storm drainage system

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

B3020.02 Other Roofing Openings (Hatch,Vent, etc)*

Plumbing stack vents, exhaust fans, chimney

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

S3 INTERIOR**C1010.01.03 Unit Masonry Assemblies: Partitions**

Painted concrete block walls at mudrooms, at main corridor separating classroom block, between classroom and janitors room, at washrooms, locker rooms, between stage & administration offices

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

C1010.01.07 Framed Partitions (Stud) -

Counseling Offices at main entrance

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2000	0	FEB-08

C1010.02 Interior Demountable Partitions - *

Vinyl clad drywall with metal/vinyl battens, typical between classrooms and around corridors in classroom block

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

C1010.03 Interior Operable Folding Panel Partitions - **

Vinyl clad folding partition at stage

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Folding Partition

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$32,032	Unassigned

Updated: APR-08

C1010.05 Interior Windows - *

Tempered glass in painted pressed steel frame at counseling office. Glass lites in demountable partition system frames between librarians room and reading room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2000	0	FEB-08

C1010.06 Interior Glazed Partitions and Storefronts - *

Clear anodized glass storefront at administration offices

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2000	0	FEB-08

C1010.07 Interior Partition Firestopping - *

Corridor wall separating classroom block is a 2hr fire separation and drawings indicate classroom corridor walls have a 45min FRR

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

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

Painted wood doors in metal frames

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

C1020.03 Interior Fire Doors - *

Classroom doors have 20min. labels.
Corridor doors are labeled 1 1/2hr and have panic hardware and have magnetic hold open devices

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

C1030.01 Visual Display Boards - **

Tackboards and a combination of whiteboards and chalkboards throughout

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	20	FEB-08

Event: Replace Tackboards and Chalkboards

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$45,760	Unassigned

Updated: APR-08

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

Painted manufactured metal toilet compartments and shower stalls

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Toilet & Shower Compartments

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$20,592	Unassigned

Updated: APR-08

C1030.06 Handrails - *

Painted metal rectangular handrails attached to wall and centre floor mounted railing at gym staircase

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

C1030.08 Interior Identifying Devices - *

Plastic lamacoid signs attached to upper door frames or on wood doors. Simple floor plan makes

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

C1030.12 Storage Shelving - *

Metal and wood shelving in storage rooms

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

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

Typical wall mounted mirrors, soap dispensers, paper towel dispensers, toilet paper holders in boys & girls washrooms
Napkin dispenser in female staff washroom

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

C2010 Stair Construction*

Cast-in place reinforced concrete stairs to gymnasium

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	100	FEB-08

C2020.05 Resilient Stair Finishes**

Rubber nosings and risers with VAT treads

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	20	FEB-08

C2030.01 Ramp Construction*

Cast-in place reinforced concrete slab

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	100	FEB-08

C2030.02 Ramp Finishes*

Altro-20 walkway slip resistant sheet vinyl

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

C2030.03 Ramp Railings*

Painted rectangular steel railings mounted to wall

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	50	FEB-08

Event: Barrier Free Access Upgrade

Concern:

Railings do not conform to graspability requirement and because the ramp is at a slope of 1:11 control will be difficult without assistance

Recommendation:

Replace with graspable pipe railings

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Barrier Free Access Upgrade	2009	\$3,432	Low

Updated: FEB-08

C3010.02 Wall Paneling - **

Vinyl clad fibreboard wall panels on exterior wall and on demountable partitions

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Vinyl Clad Wall Panels

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$68,640	Unassigned

Updated: APR-08

C3010.06 Tile Wall Finishes - **

102x102mm glazed ceramic tiles between floor mounted urinals and floor to ceiling in shower areas and 50x50mm unglazed tiles behind custodial slop sinks

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

Event: Replace Ceramic Wall Tile

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$20,592	Unassigned

Updated: APR-08

C3010.09 Acoustical Wall Treatment - **

No acoustic wall treatment

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
2 - Poor	1980	20	FEB-08

Event: Install Acoustic Panels at Stage/Music Room

Concern:

No sound absorption in music/stage area to control noise

Recommendation:

Install sound absorbing panels to improve room acoustics

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2009	\$9,152	Medium

Updated: FEB-08

C3010.11 Interior Wall Painting - *

Painted concrete block walls and wood and metal doors.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	10	FEB-08

Event: Repair

Concern:

A few wood doors are chipped. Metal Fire door is rubbing at frame and is rusting at bottom with floor cleaning.

Recommendation:

Repair scratches and chips, adjust metal door and repaint (approx. 6 doors)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$2,288	Medium

Updated: FEB-08

C3020.01.02 Paint Concrete Floor Finishes - *

Unfinished concrete in mechanical room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
2 - Poor	1980	10	FEB-08

Event: Install Epoxy Floor Finish

Concern:

There are stained ceiling Tiles in the Gym storage room. There are significant leaks and stains on the floor in the mechanical room

Recommendation:

Install industrial epoxy floor finish with painted yellow

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2009	\$17,160	High

Updated: FEB-08

C3020.02 Tile Floor Finishes - **

102x204mm quarry tile floors and 540x50mm unglazed ceramic tiles in washrooms and janitor rooms

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	50	FEB-08

Event: Replace Tile Floor Finish

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2030	\$45,760	Unassigned

Updated: APR-08

C3020.07 Resilient Flooring - 1980**

VAT tiles in stage, staff work room, gym storage, locker rooms, corridors, custodial, storage rooms and staircases.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	20	FEB-08

Event: Replace Original Resilient Flooring

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$45,760	Unassigned

Updated: APR-08

Event: Replace missing Tiles

Concern:

VAT tiles are starting to pop and are missing in Custodial room. Tiles are missing at top of stair to mechanical room

Recommendation:

Remove VAT tiles and install industrial epoxy floor finish in Janitor room and at staircase to mechanical room

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2009	\$5,720	Medium

Updated: FEB-08

C3020.07 Resilient Flooring 2000**

Upgraded marmoleum sheetgoods in classrooms.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2000	20	FEB-08

Event: Replace vinyl flooring.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$45,760	Unassigned

Updated: APR-08

C3020.08 Carpet Flooring - **

Carpet flooring in library, computer room administration offices, staff room and part of one classroom

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2000	15	FEB-08

Event: Replace Carpet Flooring

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$22,880	Unassigned

Updated: APR-08

Event: Replace Carpet with Sheet Vinyl

Concern:

Carpet seam has failed and children are pulling at seam.
Carpet has also released from substrate

Recommendation:

Remove damaged carpet (approx 25%) and install marmoleum.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2008	\$7,436	High

Updated: FEB-08

C3030.06 Acoustic Ceiling Treatment (Susp.T-Bar) - **

Acoustic fissured mineral fibre ceiling tiles throughout except in the gymnasium, mechanical room, custodial rooms and washrooms

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	25	FEB-08

Event: Replace 40% of Acoustic Ceiling Tiles

Concern:

Ceiling tiles in administration and some classroom areas are worn and dirty

Recommendation:

Replace with new ceiling tiles

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2009	\$40,040	Low

Updated: FEB-08

Event: Replace Remaining 60% of Ceiling Tiles

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$57,200	Unassigned

Updated: APR-08

C3030.07 Interior Ceiling Painting - *

Painted drywall ceilings in washrooms and janitor rooms

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	20	FEB-08

C3030.09 Other Ceiling Finishes*

Linear metal Donn Paraline ceiling system in gymnasium

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	60	FEB-08

S4 MECHANICAL**D2010.04 Sinks - ****

Stainless steel counter top.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Sinks

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$10,850	Unassigned

Updated: APR-08**D2010.05 Showers - ****

Combination of gang showers and individual stall showers in the changer rooms. Change rooms are being used as storage space.

Single concrete shower in Gym Instructor's office, non-barrier free design.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Showers

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$22,880	Unassigned

Updated: APR-08**D2010.08 Drinking Fountains / Coolers - ****

Vitreous china, wall mount.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	35	FEB-08

Event: Replace Drinking Fountains

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2015	\$7,415	Unassigned

Updated: APR-08

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

General washrooms:
 Floor mounted, vitreous china, flush valve water closets.
 Washout stall, vitreous china, flush valve urinals.
 Counter top, vitreous china lavatories.
 Staff Washrooms:
 Floor mounted, vitreous china, flush tank water closets.
 Wall mounted, vitreous china lavatories.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Washroom Fixtures

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$57,785	Unassigned

Updated: APR-08

D2020.01.01 Pipes and Tubes: Domestic Water - *

Type 'L' copper pipe and fittings.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D2020.01.02 Valves: Domestic Water - **

Bronze body valves.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

Event: Replace Valves

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$22,502	Unassigned

Updated: APR-08

D2020.01.03 Piping Specialties (Backflow Preventors) - **

No backflow prevention installed on the domestic water service.
Reduced pressure back flow preventer for boiler feed.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
2 - Poor	1980	20	FEB-08

Event: Replace Boiler Feed Backflow Preventors

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$2,860	Unassigned

Updated: APR-08

Event: Water Service Backflow Preventer

Concern:

No backflow prevention on main water service.

Recommendation:

Install a double check valve assembly.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Code Upgrade	2008	\$6,864	High

Updated: FEB-08

D2020.01.08 Hose Bibbs*

Exterior, non-freeze.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D2020.02.02 Plumbing Pumps: Domestic Water - **

In-line, bronze body.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2005	20	FEB-08

Event: Replace Plumbing Pump

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2025	\$3,235	Unassigned

Updated: APR-08

D2020.02.06 Domestic Water Heaters - **

Single A.O. Smith model BT 65-100, gas fired, tank type.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2005	20	FEB-08
	<u>Capacity Size</u>	<u>Capacity Unit</u>	
	246	litre	

Event: Replace Domestic Water Heater

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2025	\$6,818	Unassigned

Updated: APR-08

D2020.03 Water Supply Insulation: Domestic - *

25mm fiberglass.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D2030.01 Waste and Vent Piping - *

Cast iron and DWV copper piping and fittings.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D2030.02.04 Floor Drains*

Cast iron body, nickel bronze grate.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	50	FEB-08

D2040.01 Rain Water Drainage Piping Systems - *

Cast iron piping and fittings.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D2040.02.04 Roof Drains - *

Cast iron body, aluminum dome.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

D3010.02 Gas Supply Systems - *

Black malleable piping and fittings.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	60	FEB-08

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

Two Superhot AAE-1560, steel tube boilers.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	35	FEB-08

Event: Replace Heating Boilers

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2015	\$82,583	Unassigned

Updated: APR-08

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

Common combustion air duct for mechanical room. Individual boiler chimneys.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: ReplaceChimneys &Comb. Air

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$17,705	Unassigned

Updated: APR-08

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

Chemical pot feeder and micron filter.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

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

Unit HV-1, core school, Trane Torrivent T25, 8069 L/s, in mechanical room.
 Unit Hv-2 Gymnasium, Trane Climate Changer 17, 4909 L/s, in mechanical room.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Air Handling Units

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$262,686	Unassigned

Updated: APR-08

D3040.01.04 Ducts: Air Distribution - *

Conventional low velocity ductwork.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

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

Conventional grilles and diffusers.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D3040.03.01 Hot Water Distribution Systems - **

Welded and threaded black steel piping and fittings.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

Event: Replace Hot Water Distribution System

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$278,636	Unassigned

Updated: APR-08

D3040.04.01 Fans: Exhaust - **

Multiple ceiling mounted and roof top exhaust fans, general exhaust.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08
	<u>Capacity Size</u>	<u>Capacity Unit</u>	
	Varies	N/A	

Event: Replace Fans

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$22,880	Unassigned

Updated: APR-08

D3040.04.03 Ducts: Exhaust - *

Conventional low velocity ductwork.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D3040.04.05 Air Outlets and Inlets: Exhaust - *

Conventional grilles.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D3050.02 Air Coils - **

Duct mounted, copper tube, aluminum fin reheat coils.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Reheat Coils

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$11,440	Unassigned

Updated: APR-08

D3050.03 Humidifiers - **

Units have been disabled and drained.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	25	FEB-08

Event: Replace Humidifiers

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$9,857	Unassigned

Updated: APR-08

D3050.05.02 Fan Coil Units - **

Ceiling recessed, flush mounted.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

<u>Capacity Size</u>	<u>Capacity Unit</u>
Varies	N/A

Event: Replace Fan Coil Units

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$66,161	Unassigned

Updated: APR-08

D3050.05.03 Finned Tube Radiation - **

Copper tube, aluminum fin c/w cabinet.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

Event: Replace Finned Tube Radiation

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$132,799	Unassigned

Updated: APR-08

D3060.02.02 Pneumatic Controls**

Honeywell pneumatics, controls compressor and air dryer located in mechanical room.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	40	FEB-08

Event: Replace controls

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$57,200	Unassigned

Updated: APR-08

D4010 Sprinklers: Fire Protection - *

A single sprinkler head connected to domestic water system. For portable exit requirements.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1993	60	FEB-08

D4030.01 Fire Extinguisher, Cabinets and Accessories - *

Primarily type 'A' pressurized water extinguishers with a few type 'ABC' dry chemical wall mounted extinguishers.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	30	FEB-08

<u>Capacity Size</u>	<u>Capacity Unit</u>
Varies	N/A

Event: Code Upgrade

Concern:

Type 'A' only.

Recommendation:

Replace with 4.5 kg type 'ABC' extinguishers.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Code Upgrade	2008	\$4,004	Unassigned

Updated: APR-08

S5 ELECTRICAL**D5010.03 Main Electrical Switchboards (Main Distribution) - ****

FPE 600A, 120/208V, 3-phase, 4-wire
 ~40% space
 Peak load=80kVA, so plenty of capacity.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	1980	40	FEB-08
	<u>Capacity Size</u>	<u>Capacity Unit</u>	
	600	amps	

Event: Replace Main Electrical Switchboards (Main Distribution)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$60,953	Unassigned

Updated: APR-08

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

Typical FPE 42 cct (with some 30), 225A, avg 15% space.
 Parking panels controlled.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Electrical Branch Circuit Panelboards (Secondary Distribution)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$30,670	Unassigned

Updated: APR-08

D5010.07.02 Motor Starters and Accessories - **

Separate starters (AB) fed off of splitter.
 Tycor Filter on splitter.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Motor Starters and Accessories

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$5,289	Unassigned

Updated: APR-08

D5020.01 Electrical Branch Wiring - *

Wire in conduit. Some newer runs armoured cable.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D5020.02.01 Lighting Accessories (Lighting Controls) - *

Line voltage switching throughout.
Occupancy sensors in some locations as retrofits.
Classrooms all changed to 1 level of switching.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D5020.02.02.01 Interior Incandescent Fixtures - *

In infirmary - recessed downlight.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

D5020.02.02.02 Interior Fluorescent Fixtures - **

Upgraded to T8 lamps, electronic ballasts.
Recessed lensed 1x4s in corridor, stage.
Recessed lensed 2x4s in classrooms, admin.
Recessed parabolics in Library, computer room.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5 - Good	2000	30	FEB-08

Event: Replace Interior Fluorescent Fixtures

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2030	\$182,367	Unassigned

Updated: APR-08

D5020.02.02.03 Interior Metal Halide Fixture - *

Fixtures recessed into gym ceiling.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D5020.02.03.02 Emergency Lighting Battery Packs - **

Battery packs and heads have been replaced as they have failed.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	20	FEB-08

Event: Replace Emergency Lighting Battery Packs

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$12,992	Unassigned

Updated: APR-08

D5020.02.03.03 Exit Signs - *

Upgraded with LED lamping.
Several fixtures not illuminated - require maintenance.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2000	0	FEB-08

D5020.02.05 Special Purpose Lighting - *

Theatrical lighting in gym.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

D5020.03.01.01 Exterior Incandescent Fixtures*

Some halogen fixtures with photocell/motion sensors at back of building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2000	30	FEB-08

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

Wall packs around building perimeter.
Recessed downlights at entrances.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

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

Photocell and Intermatic time switch.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1996	0	FEB-08

D5030.01 Detection and Fire Alarm - **

Edwards ESA2000.

Pull stations at exits, heat detectors in storage/cooking areas, smoke detectors at smoke doors.

Bell/strobes throughout.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1991	25	FEB-08

Event: Replace Detection and Fire Alarm

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2016	\$56,908	Unassigned

Updated: APR-08

D5030.02.02 Intrusion Detection - **

Magnum Alert, keypad for disarming.

Motion sensors throughout.

Monitored off-hours.

Cabling not in conduit.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1995	25	FEB-08

Event: Replace Intrusion Detection

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2020	\$33,476	Unassigned

Updated: APR-08

D5030.03 Clock and Program Systems - *

Rauland time clock - for class change signal only.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	25	FEB-08

D5030.04.01 Telephone Systems - *

Meridian system.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	25	FEB-08

D5030.04.05 Local Area Network Systems - *

Data cabling throughout, run free-air.

Cat 5 & 5e.

Rack space insufficient - switches on shelves, stacked loose.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	0	FEB-08

Event: Maintain Local Area Network Systems**Concern:**

Data equipment on shelves/stacked loose. Potential for damage to equipment due to fall or inadequate ventilation.

Recommendation:

Provide full-size data rack for data equipment.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Preventative Maintenance	2008	\$1,716	Unassigned

Updated: APR-08

D5030.05 Public Address and Music Systems - **

Peavey UMA 75TII amp/mixer.

Cassette, CD, radio, class change signals.

Has been upgraded with phone tie-in for paging/intercom function.

Original wall-mount speakers/intercom still remain though intercom function no longer used.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	20	FEB-08

Event: Replace Public Address and Music Systems

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$13,768	Unassigned

Updated: APR-08

D5030.06 Television Systems - *

CATV drops run to each classroom.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2000	0	FEB-08

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

Typical librarians desk and mobile book drop

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

E1020.03 Theater and Stage Equipment - *

Proscenium stage curtain and tracks for backstage curtains

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

E1090 Other Equipment

Art Kiln located in mechanical room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1990	0	FEB-08

Event: Relocate Art Kiln**Concern:**

Staff require access to mechanical room to use kiln

Recommendation:

Relocate art kiln and install proper ventilation to control heat (consider upgrading 1020A which appears to be used for storage)

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Code Repair	2008	\$17,160	Medium

Updated: FEB-08**E1090.03 Food Service Equipment***

Upright cooler with milk in staff work room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	2000	25	FEB-08

E1090.04 Residential Equipment - *

Refrigerator, stove, two microwaves and dishwasher located in staff room. microwave in PE office, old microwave, stove and Refrigerator in 1020A. Refrigerator in staff work room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

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

Fold down ceiling mounted basketball hoop in front of stage, side swing at opposite end and wall mounted hoops on sidewalls in gym. Typical volleyball and badminton courts with mats, bats and racks in gym storage room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

E2010.02 Fixed Casework - **

Painted wood cabinets with sinks located in 5 classrooms, built in lower cabinets with upper cabinets in staff work room and administration are, new birch cabinets in PE office, laminate wood vanities in washrooms. New stained birch upper cabinets installed in some classroom and staff room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	35	FEB-08

Event: Replace Fixed Casework

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2015	\$200,200	Unassigned

Updated: APR-08

E2010.03.01 Blinds - **

Plastic Vertical blinds throughout the school

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	FEB-08

Event: Replace Blinds

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$5,720	Unassigned

Updated: APR-08

F1010.02.04 Portable and Mobile Buildings P039*

Existing Portable Retrofitted and moved to site in 1993

Architectural:

Floor: sheet vinyl on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Sink: birch cabinet with sink unit
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Shares a gas fired heat/cool Lennox GCS16-953 rooftop unit with P040. Distribution ductwork is provided to both classrooms and a 7-day programmable Honeywell thermostat is located in P039. There are some comfort control issues due to a single point of control between two classrooms.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the exterior wall and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable
 Recommendation: None

Electrical:

Recessed 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 Shares a panel with P040 - FPE 125A, 120/208V, 1-phase, 3-wire, 16 circuit, 6 spaces

Condition: Acceptable
 Recommendation: None

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	FEB-08

Event: Replace Damaged Vent Caps, Gumbox & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Gum Box is drying & cracking at conduit evident
- 3) Roof drains to asphalt walk. Walkway ices over. Crawl space is buried into grade with no access

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading

in crawl space

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$2,288	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P040*

Existing Portable Retrofitted and moved to site in 1993

Architectural:

Floor: sheet vinyl on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Sink: birch cabinet with sink unit
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Shares a gas fired heat/cool Lennox GCS16-953 rooftop unit with P040. Distribution ductwork is provided to both classrooms and a 7-day programmable Honeywell thermostat is located in P039. There are some comfort control issues due to a single point of control between two classrooms.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the exterior wall and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable
 Recommendation: None

Electrical:

Recessed 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 Shares a panel with P039 - FPE 125A, 120/208V, 1-phase, 3-wire, 16 circuit, 6 spaces

Condition: Acceptable
 Recommendation: None

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	FEB-08

Event: Replace Damaged Vent Caps, Gumbox & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Gum Box is drying & cracking at conduit evident
- 3) Roof drains to asphalt walk. Walkway ices over. Crawl space is buried into grade with no access

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading

in crawl space

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$2,288	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P041*

Architectural:

Floor: sheet vinyl on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Sink: birch cabinet with sink unit
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Gas fired heat/cool Trane GRNC-015/TTA036 rooftop unit. Distribution ductwork in ceiling and a 7-day programmable Honeywell thermostat.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the exterior wall and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable
 Recommendation: None

Electrical:

Recessed, 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 fed from panels in room 1031 - FPE 120/208V 3-phase, 4-wire with several spaces

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1993	30	FEB-08

Event: Replace Damaged Vent Caps, Gumbox & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Gum Box is drying & cracking at conduit evident
- 3) Roof drains to asphalt walk. Walkway ices over. Crawl space is buried into grade with no access

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading in crawl space

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$2,288	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P042*

Architectural:

Floor: sheet vinyl and carpet on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Sink: birch cabinet with sink unit
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Gas fired heat/cool Trane GRNC-015/TTA036 rooftop unit. Distribution ductwork in ceiling and a 7-day programmable Honeywell thermostat.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the exterior wall and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable
 Recommendation: None

Electrical:

Recessed, 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 fed from panels in room 1031 - FPE 120/208V 3-phase, 4-wire with several spaces

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1993	30	FEB-08

Event: Replace Damaged Vent Caps, Gumbox & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Gum Box is drying & cracking at conduit evident
- 3) Roof drains to asphalt walk. Walkway ices over. Crawl space is buried into grade with no access

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading in crawl space

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$2,288	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P043*

Architectural:

Floor: sheet vinyl and carpet on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Gas fired heat/cool Manufactured Air PAC rooftop unit. Distribution ductwork in ceiling and a 7-day programmable Honeywell thermostat.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the exterior wall and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable
 Recommendation: None

Electrical:

Recessed, 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 fed from panels in room 1031 - FPE 120/208V 3-phase, 4-wire with several spaces

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1993	30	FEB-08

Event: Replace Damaged Vent Caps, Gumbox & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Gum Box is drying & cracking at conduit evident
- 3) Roof drains to asphalt walk. Walkway ices over. Crawl space is buried into grade with no access

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading in crawl space

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$2,288	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P044*

Architectural:

Floor: sheet vinyl and carpet on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Gas fired heat/cool Manufactured Air PAC rooftop unit. Distribution ductwork in ceiling and a 7-day programmable Honeywell thermostat.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the exterior wall and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable
 Recommendation: None

Electrical:

Recessed, 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 fed from panels in room 1031 - FPE 120/208V 3-phase, 4-wire with several spaces

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1993	30	FEB-08

Event: Replace Damaged Vent Caps, Gumbox & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Gum Box is drying & cracking at conduit evident
- 3) Roof drains to asphalt drive way. Crawl space is buried into grade with no access

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading in crawl space

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$2,288	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P045*

Architectural:

Floor: sheet vinyl and carpet on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Gas fired counter flow Lennox model G8R-10-1 in indoor closet with wall mounted distribution ductwork in ceiling and a 7-day programmable Honeywell thermostat.
 Individual wall mounted air conditioning units.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the floor and through the skirting and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable (furnaces unable to keep classrooms comfortable during cold weather)
 Recommendation: None

Electrical:

Recessed, 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 Has its own panel - FPE 12 cct, 120/208V, 3-phase, 4-wire, ~5 spaces each.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	FEB-08

Event: Replace Vent Caps, Repair Furnace Room & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Roof drains to asphalt driveway. Crawl space is buried into grade with no access
- 3) Furnace room floors are dirty and show leaks

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading in crawl space
- 4) Repair leaks at furnace, patch holes & clean floors

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$3,432	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P046*

Architectural:

Floor: sheet vinyl and carpet on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Gas fired counter flow Lennox model G8R-10-1 in indoor closet with wall mounted distribution ductwork in ceiling and a 7-day programmable Honeywell thermostat.
 Individual wall mounted air conditioning units.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the floor and through the skirting and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable (furnaces unable to keep classrooms comfortable during cold weather)
 Recommendation: None

Electrical:

Recessed, 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 Has its own panel - FPE 12 cct, 120/208V, 3-phase, 4-wire, ~5 spaces each.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	FEB-08

Event: Replace Vent Caps, Repair Furnace Room & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Roof drains to asphalt driveway. Crawl space is buried into grade with no access
- 3) Furnace room floors are dirty and show leaks

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading in crawl space
- 4) Repair leaks at furnace, patch holes & clean floors

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$3,432	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P047*

Architectural:

Floor: sheet vinyl and carpet on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Gas fired counter flow Lennox model G8R-10-1 in indoor closet with wall mounted distribution ductwork in ceiling and a 7-day programmable Honeywell thermostat.
 Individual wall mounted air conditioning units.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the floor and through the skirting and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable (furnaces unable to keep classrooms comfortable during cold weather)
 Recommendation: None

Electrical:

Recessed, 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 Has its own panel - FPE 12 cct, 120/208V, 3-phase, 4-wire, ~5 spaces each.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	30	FEB-08

Event: Replace Vent Caps, Repair Furnace Room & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Roof drains to asphalt driveway. Crawl space is buried into grade with no access
- 3) Furnace room floors are dirty and show leaks

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading in crawl space
- 4) Repair leaks at furnace, patch holes & clean floors

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$3,432	High

Updated: FEB-08

F1010.02.04 Portable and Mobile Buildings P048 *

Architectural:

Floor: sheet vinyl and carpet on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Lower Wall: Prefinished metal cladding on building paper on 9mm plywood sheathing over 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on classroom side
 Upper Wall: same as lower except Bold Rib metal cladding is attached to wall on wood nailers to provide build-out
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Visual Display Boards: Tackboards and blackboards

Condition: Acceptable
 Recommendation: Make minor repairs

Mechanical:

Gas fired counter flow Lennox model G8R-10-1 in indoor closet with wall mounted distribution ductwork in ceiling and a 7-day programmable Honeywell thermostat.
 Individual wall mounted air conditioning units.
 Roof drains connected to individual heat traced rainwater leaders that terminate through the floor and through the skirting and splash to grade.
 Stainless steel counter top sink complete with plumbing services. Domestic water lines are run in the ceiling of the link corridor for the full length of the corridor. Gas lines are run on the roof to the units.

Condition: Acceptable (furnaces unable to keep classrooms comfortable during cold weather)
 Recommendation: None

Electrical:

Recessed, 2x4s, T8s, 1 level switching, upgraded ~2000
 3D typical per classroom.
 PA speaker each.
 Has its own panel - FPE 12 cct, 120/208V, 3-phase, 4-wire, ~5 spaces each.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1981	0	FEB-08

Event: Replace Vent Caps, Repair Furnace Room & Study

Concern:

- 1) Vent Caps are dented and crushed due to vandalism
- 2) Roof drains to asphalt driveway. Crawl space is buried into grade with no access
- 4) Furnace room floors are dirty and show leaks

Recommendation:

- 1) Replace 4 Vent caps
- 2) Reseal gumbox
- 3) Remove part of concrete board panel and inspect crawl space for moisture & mould growth. Measure moisture reading in crawl space
- 4) Repair leaks at furnace, patch holes & clean floors

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$2,288	High

Updated: FEB-08

F1010.03 Other Special Structures*

273 sq. M. Portable Connecting Link

Architectural:

Floor: VCT tiles and sheet vinyl on cast-in place slab on grade with slab thickening at edge of existing building and grade beam at edge of portables. The floor at the corridor and ramp connecting the upper and lower portables is constructed with sheet vinyl on 9mm underlay over 6 Mil poly on 16mm T&G plywood subfloor supported on insulated 38x235mm wood joists with 9mm plywood bottom sheathing
 Wall: 16mm Type 'X' GWB each side of insulated wood studs with 6 mil poly vapour barrier on corridor side adjacent to existing building (note: the corridor uses the existing portables as the other wall finish)
 Ceiling: Acoustic mineral fibre ceiling tiles in a prefinished metal 'T' bar grid system with painted drywall bulkheads at two skylight conditions
 Roof: Built-up gravel roof on 16mm T&G plywood sheathing on sloped framing supported on 328x235 roof joists filled with insulation with 6 Mil poly vapour barrier underneath with 9mm plywood sheathing and 16mm Type 'X' bottom finish
 Skylights: 2 - 1200x3050mm clear anodized aluminum framed pyramidal skylights with dual glazed sealed units
 Ramp: slab on grade full width of corridor with non-slip sheet vinyl and painted metal pipe rails each side
 Washroom: Vanity with sink, toilet with grab bars, mirror, soap dispenser, paper towel dispenser, soap dispenser, fabricated toilet partition and cot

Mechanical:

Roof drains are tied into portable roof drains
 Handicapped washroom installed and tied back into existing school washroom plumbing in adjacent wall
 Fan Coil units installed in ceilings at 4 exit door locations
 Ventilation: Supply and return air fed from classrooms in ceiling Fire dampers are noted on drawings

Electrical:

Recessed, lensed 2x4s, T8s, 1 level switching, upgraded ~2000
 Battery packs in corridors.
 Bell/strobes in corridors.
 CF potlights and recessed 2x4s for corridor lighting.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1993	0	FEB-08

Event: Make repairs

Concern:

- 1) Condensation in glass lite.
- 2) Toilet out of order
- 3) Stains in ceiling tile due to leaks in fan coil drip pans
- 4) access hatch to roof has been removed and plywood cover at roof has been installed

Recommendation:

- 1) Replace glass lite and real all joints
- 2) Determine cause of toilet failure & repair
- 3) Adjust Fan Coil drip pans so that condensation does not damage ceiling tiles & replace ceiling tiles
- 4) Fill roof void with insulation, vapour barrier and drywall to complete fire separation

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$5,720	High

Updated: FEB-08

Event: Replace Door

Concern:

Wood door in metal frame requires a 45min FRR. The door is not labeled

Recommendation:

Replace with labeled door

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Code Repair	2008	\$1,144	Medium

Updated: FEB-08

F2020.01 Asbestos - *

Vinyl Asbestos tiles are referred to on the drawings and appear to still remain. They are in good condition and do not pose a health risk. However where failure occurs they should be replaced with non-asbestos materials. The piping insulation in the mechanical room may contain asbestos (elbows)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

F2020.04 Mould - *

No Mould noted or reported.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

F2020.09 Other Hazardous Materials - *

No Other Hazardous Materials where visible or reported

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	FEB-08

S8 FUNCTIONAL ASSESSMENT**K4010.02 Barrier Free Entrances - ***

Double 914mm wide entrance doors

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	0	OCT-08

Event: Install Auto door opener

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Barrier Free Access Upgrade	2009	\$11,000	Medium

Updated: OCT-08

K4010.03 Barrier Free Interior Circulation - *

Single storey with wide corridors. Interior doors on hold opens. Older hardware and recessed door opening creates some problems but is acceptable at time of construction. Full width ramps provide ease of movement for able bodies students but makes negotiation of ramp more difficult for wheelchairs since they can only use the rail on one side.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	OCT-08

K4010.04 Barrier Free Washrooms - *

Barrier free washrooms have been provided and a special handicapped toilet has been installed in the portable link. If the portables and link are removed a washroom upgrade is recommended to bring the current washrooms up to code

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	OCT-08

Event: Upgrade existing core washrooms**Concern:**

If link is removed existing washrooms do not meet current accessibility requirements

Recommendation:

When link is removed upgrade washrooms.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Barrier Free Access Upgrade	2011	\$25,000	Medium

Updated: OCT-08

K4020 Building Code -

The building is divided into three fire compartments which are all one storey in height and facing one street. It appears to conform to current code requirements

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	OCT-08

RECAPP Facility Evaluation Report



R. J. Hawkey Elementary School

S2395

Airdrie

Facility Details

Building Name: R. J. Hawkey Elementary Sch
Address:
Location: Airdrie

Building Id: S2395
Gross Area (sq. m): 0.00
Replacement Cost: \$0
Construction Year: 0

Evaluation Details

Evaluation Company: Quinn Young Architects Ltd.
Evaluation Date: December 18 2007
Evaluator Name: Barry McCallum

Total Maintenance Events Next 5 years: \$179,608
5 year Facility Condition Index (FCI): 0%

General Summary:

This approximately 2.6ha site slopes down approximately 3.6m from the northeast to the main floor of the school. A drainage swale has been constructed to divert water around the school on the east edge but there are still water ponding and ice conditions affecting use of the site. The front yard and southeast corner of the site are well landscaped. Grass does not grow well on the hill leading up to the creative play area and children with disabilities have a hard time negotiating the slope. There is an asphalt parking lot on the south side with the garbage enclosure located at the entrance and directly visible from the street and a large asphalt play area immediately adjacent to the school on the north and east sides. Overall the site is in acceptable condition.

Structural Summary:

Envelope Summary:

Interior Summary:

Mechanical Summary:

Electrical Summary:

Rating Guide

Condition Rating	Performance
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.

S7 SITE**G2010.02.02 Flexible Pavement Roadway (Asphalt) - ****

Asphalt entrance to parking area form Big Springs Drive

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	25	MAR-08

Event: Replace Asphalt Road Paving

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$3,432	Unassigned

Updated: APR-08**G2010.05 Roadway Curbs and Gutters - ***

Concrete curb cut at Big Springs Drive

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G2020.02.02 Flexible Paving Parking Lots(Asphalt) - **

Asphalt Paring area was extended in 1993

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	25	MAR-08

Event: Install 50mm Asphalt Overlay

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$28,600	Unassigned

Updated: APR-08**G2020.05 Parking Lot Curbs and Gutters - ***

Cast-in place concrete curbs

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G2020.06.01 Traffic Barriers - *

Metal pipe rail and posts along front of school with gate and pad lock to hard play on north side of school

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

Event: Install boallards at Portables

Concern:

Portable is not protected at parking area and has been previously damaged

Recommendation:

Install bollards to prevent vehicles form damaging portables

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$5,720	High

Updated: MAR-08

G2020.06.03 Parking Lot Signs - *

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G2020.06.04 Pavement Markings - *

Painted parking lot stall lines

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	0	MAR-08

Event: Repaint parking lines & Handicapped symbols

Concern:

Painted markings are worn and will not be visible shortly

Recommendation:

Repaint

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2009	\$1,144	Low

Updated: MAR-08

G2030.02.01 Gravel Pedestrian Surfacing*

Crushed brick path between sidewalks at front of school

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	10	MAR-08

G2030.02.02 Asphalt Pedestrian Pavement**

Asphalt walkway on east side of portables.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1993	20	MAR-08

Event: Replace asphalt walkway

Concern:

Slope of walkway drains water into portables crawlspace. Water freezes on walk creating a hazardous situation.

Recommendation:

Remove asphalt walkway, Options include :

- 1) regrade ground to provide cross slope towards drainage swale.
- 2) provide a trench drain along edge of portable to collect water so it does not cross walkway.
- 3) collect water in rain barrels connected to underground drip system (use it as a teaching tool?)
- 3) continue rain water leaders through floor and below asphalt walkway to drain to grade and heat trace so that RWL do not freeze up. Install new asphalt walkway with improved cross slope

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2008	\$17,160	High

Updated: APR-08

G2030.04 Rigid Pedestrian Pavement (Concrete) - **

Concrete sidewalks to main entrance and to mudroom facing Big Springs Drive. Concrete walkway along parking area to portables and smaller concrete walkway from parking area to main entrance

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	25	MAR-08

Event: Replace Concrete Sidewalks

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Lifecycle Replacement	2012	\$40,040	Unassigned

Updated: APR-08

Event: Replace Two Concrete Pads

Concern:

Concrete pads are cracked and uneven at two entrance doors

Recommendation:

Replace concrete pad at north mudroom and at entrance to portables on east side

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2008	\$5,720	High

Updated: MAR-08

G2030.06 Exterior Steps and Ramps - *

Cast-in place concrete stair in sidewalk from parking area to main entrance with painted metal pipe rail on one-side (repaint railing - maintenance item)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G2040.02.01 Chain Link Fences and Gates*

Chain link fence on north side of playground to pipe rail gate.

Chain link fence at end of parking lot with two gates

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	30	MAR-08

G2040.03 Athletic and Recreational Surfaces - **

Asphalt play area around north and east ends of school

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	25	MAR-08

Event: Replace Asphalt Hard Play Area

Concern:

Asphalt play area has settled and water ponding is occurring

Recommendation:

Remove asphalt play surfaces, adjust grades to slope towards drainage swale, repave and reapply painted play markings

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Failure Replacement	2011	\$57,200	Low

Updated: MAR-08

G2040.05 Site and Street Furnishings - *

Park benches and waste receptacle in landscaped areas. Community creative play area on north side. Garbage bins are poorly located in enclosure in the front yard near the main entrance

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

Event: Relocate Garbage Containers

Concern:

Garbage enclosures are poorly located at the main entrance to the parking lot and do not conform to current land-use requirements

Recommendation:

Relocate garbage enclosure

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2010	\$9,152	Low

Updated: MAR-08

G2040.06 Exterior Signs - *

Wall mounted lettering on metal cladding at front of school

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G2040.08 Flagpoles - *

Clear anodized aluminum flagpole on concrete base at front of school

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G2050.01 Irrigation Systems - *

19mm Hose bibs on all four side of building. There is an irrigation controller near the parking lot which probably irrigates immediately around the building (unconfirmed)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G2050.04 Lawns and Grasses - *

Grassed front yard and side yards with grassed are and landscaping on the east side around the portables. On the north side the grassed areas slope up to the playing fields and creative play area

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	0	MAR-08

Event: Add Terracing & Ramp to Play Area

Concern:

Grass will not grow on hill side leading to creative play area due to amount of traffic. This has created muddy areas

Recommendation:

Creative terracing with hard landscaping creating a gradual ramp so that the creative play area is accessible in a clean and child safe way.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2009	\$11,440	Medium

Updated: MAR-08

G2050.05 Trees, Plants and Ground Covers - *

Mature evergreens, deciduous trees and shrubs in the front yard of the school, Shrubs in planter on south side

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G2050.07 Planting Accessories - *

152x152mm pressure treated planter at edge of walkway along parking lot on south side

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G3010.02 Site Domestic Water Distribution - *

102mm cast iron water line enters water meter room in northwest corner of building

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G3010.03 Site Fire Protection Water Distribution - *

Fire Hydrant located at the property line on the south side of Big Springs Drive

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G3020.01 Sanitary Sewage Collection - *

152mm Sanitary line leaves building in northwest corner of classroom area and is connected to a 305mm municipal sanitary line in Big Springs Drive. There are 102mm sanitary are located on the north side (for future portables) and on the east side (where portables are connected)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G3030.01 Storm Water Collection - *

All roof drains of core building are connected to a 305mm storm line leaving the building on the south side to a catch basin in the parking lot which is then connected to a 1220 municipal storm line in Big Springs Drive. There is a drainage swale in the landscaped area on the east side which drains to a slotted catch basin which is connected to the catch basin in the parking lot with an 204mm line. The portables on the east side are draining to an asphalt walkway on the east side and water may be collecting in the crawl space as well as water freezes on the walkway creating a safety problem.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3 - Marginal	1980	0	MAR-08

G3060.01 Gas Distribution - *

Gas line with a capacity of 5510 CFM enters the building on the north east corner into the meter room

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G4010.02 Electrical Power Distribution Lines - *

4 #500 MCM-R90 X-link PVC Jacketed Corflex (al) underground from transformer to 600A 3Phase 4 Wire Main Disconnect & Panel

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G4010.03 Electrical Power Distribution Equipment - *

Utility supplied transformer and pad located at northeast hard play area of school

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G4010.04 Car Plugs-ins - *

13 Duplex outlets in Metal pedestals serving 26 stalls

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08

G4020.01 Area Lighting - *

Wall mounted HPS lighting around the perimeter of the building

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	1980	0	MAR-08