

RECAPP Facility Evaluation Report

Horizon School Division #67



Enchant School

B3385A

Enchant

Facility Details	
Building Name:	Enchant School
Address:	P. O. Box 3010
Location:	Enchant
Building Id:	B3385A
Gross Area (sq. m):	2,467.79
Replacement Cost:	\$4,059,210
Construction Year:	0

Evaluation Details	
Evaluation Company:	Ferrari Westwood Architects
Evaluation Date:	May 1 2004
Evaluator Name:	Mr. Ric Johnston
Evaluator Phone:	(403) 327-3113

Total Maintenance Events Next 5 years:	\$16,200
5 year Facility Condition Index (FCI):	0.40%

General Summary:

The total gross area of the school is 2455.89 sq.m. The original two story school, of 1284.34 sq.m., was built in 1952. A single story addition was built on to it in 1961 of 496.55 square meters. In 2000, the school received a 1780.89 sq.m. modernization to the 1952 original building and to the 1961 addition. Also in 2000, 675 sq.m. of masonry construction was added on to the building. Overall, the school is in good condition.

Structural Summary:

The original 1952 two story building has a perimeter foundation wall on strip footing with the lower level below grade. Exterior wall construction is wood frame and masonry with a wood roof structure. The 1961 addition has a perimeter foundation wall on strip footing with an interior slab on grade. Exterior wall construction is concrete and masonry with a wood roof structure. The 2000 additions are also perimeter foundation walls on strip footings and interior slab on grade. The exterior wall construction is concrete and masonry with a steel joist and metal deck roof structure. Overall, the structure is in good condition.

Envelope Summary:

The original 1952 two story building is complete with the original brick veneer and stucco finishes that were part of the new window installation in the 2000 modernization. The west windows installed approximately in 1970, should be replaced. The roof is a 2-ply SBS roofing system upgraded in the 2000 modernization. The 1961 masonry addition is complete with brick veneer on the north and east faces with painted block on the south face. Presence of separation crack in south wall of Gym, adjacent to concrete column, requiring frequent repair. The existing roof and the roof on the 2000 addition is a 2-ply SBS roofing system. The 2000 additions are complete with brick veneer and a 2-ply SBS roofing system. Overall, the building envelope is in good condition.

Interior Summary:

Satisfactory review of interior gypsum wall board, resilient flooring, tile flooring, wood flooring, carpeting and ceiling finishes, resulting from the 2000 Modernization. Overall, the interior is in good condition.

Mechanical Summary:

The school is heated by a hydronic heating system consisting of 2 Superhot AAE-2520 boilers with 592 kW capacity. 3 air handling units ventilate the entire school. Units are Engineered-Air LM-3 delivering 1430 L/s, LM-15 delivering 8800 L/s, and DJ-40 delivering 2850 L/s.

The mechanical systems are controlled by DDC devices through the Convergent/Inet BMCS.

Overall the mechanical systems are in good condition.

Electrical Summary:

Main service is a 400A, 208 V, 3 phase Square D service with a peak demand meter and no surge protection. Peak demand read from the meter was 80 kW and the running load is around 40 kW. The Fire Alarm system is an Edwards EST-2 addressable analog fire alarm system. Emergency / Exit lighting are powered from centralized battery packs. Lighting is primarily T-8 Fluorescents with electronic ballasts. There is a telephone / public address system operated through a All-In-One telephone switch, and a separate A/V system in the gymnasium. There is a network throughout the school as well as CATV.

Voice and Data systems are in good condition, however the wiring room in which they were located was grossly

undersized.

Electrical Systems were all recently upgraded in 2000 renovation, and are generally in good 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***

(1952) original building - Continuous concrete foundation wall with strip footing.
 (1961) addition - Continuous concrete foundation wall with strip footing.
 (2000) additions - Continuous concrete foundation wall with strip footing.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

A1030 Slab on Grade*

(1961) - addition
 (2000) - additions

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

A2020 Basement Walls*

(1952) original building - partial lower level below grade.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

B1010.01 Floor Structural Frame*(Building Frame)

(1952) original building - Upper level wood floor joists. Additional structure was provided as required and bridging replaced or repaired in 2000 modernization.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

B1010.02 Structural Interior Walls Supporting Floors*

(2000) modernization - Lower level wall construction upgraded in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

B1010.03 Floor Decks, Slabs, and Toppings*

(1952) original building - Lower level concrete slab, upper level wood floor deck
 (1961) addition - Slab on grade
 (2000) additions - Slab on grade

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

B1010.09 Floor Construction Fireproofing*

(2000) modernization - Fire proofing in upper level in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

B1010.10 Floor Construction Firestopping*

(2000) modernization - Fire stopping in upper level in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

B1010.11 Other Floor Construction*

(1961) addition - Gymnasium, hardwood flooring

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

B1020.01 Roof Structural Frame*

(1952) original building - Wood roof structure c/w wood deck.

(1961) addition - Wood roof structure c/w wood deck.

(2000) additions - Steel joist roof structure c/w metal deck (with the exception of the 2000 extension to the gymnasium which is wood structure c/w wood deck to match the existing gym.)

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

B1020.04 Canopies*

(2000) addition - Canopy over main entrance.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

B1020.06 Roof Construction Fireproofing*

(2000) modernization - Completed on 1952 original building with roof upgrade.

(2000) modernization - Completed on 1961 addition with the 2000 extension of gymnasium.

(2000) additions - Included as part of 2000 addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	25	October 2004

S2 ENVELOPE

B2010.01.02.01 Brick Masonry: Ext. Wall Skin*

(1952) original building - locations in original brick veneer require repointing, other locations required remedial repointing.
 (2000) modernization - Brick veneer on north face in 1961 addition.
 (2000) additions - Typical brick veneer throughout.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3	0	75	October 2004

Event: 1952 building - locations have been repointed.
other locations required remedial repointing.

Recommendation:

Brick Veneer requires repointing.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Repair	2004	\$1,200	Low

Updated: October 6 2004

B2010.01.02.02 Concrete Block: Ext. Wall Skin*

(1961) addition - Presence of separation crack in south wall of Gym, adjacent to concrete column, requiring frequent repair.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	75	October 2004

B2010.01.05 Exterior Insulation and Finish Systems (EIFS)*

(2000) modernization - acrylic stucco over 25 mm rigid insulation in 1952 original building.
 (2000) modernization - Brick veneer over 75 mm rigid insulation on north wall in 1961 addition.
 (2000) additions - Typical brick veneer over 75 mm rigid insulation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	75	October 2004

B2010.01.06.03 Metal Siding*

(2000) modernization - Metal fascia on typical roof parapet on 1952 original building.
 (2000) additions - Metal fascia on main entrance canopy roof parapet and clerestory roof parapet. Also metal fascia on roof parapet on 2000 addition at north east corner of 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	40	October 2004

B2010.01.09 Expansion Control: Exterior Wall Skin*

(2000) modernization - Control joints in acrylic stucco and brick veneer at pilaster locations 1952 original building.
 (2000) modernization - Control joints in south block wall and brick veneer north wall adjacent to concrete columns on 1961 addition.
 (2000) additions - Control joists in brick veneer.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

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

(2000) modernization - New caulking applied on 1952 original building.

(1961) addition - Presence of separation crack in south wall of Gym, adjacent to concrete column, requiring frequent joint sealant repair.

(2000) additions - Joint sealer applied as part of 2000 additions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	20	October 2004

B2010.02.01 Cast-in-place Concrete:Ext.Wall Const*

(1961) addition - Concrete columns in gymnasium.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

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

(1961) addition - Concrete block wall construction.

(2000) additions - Typical concrete block wall construction.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

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

(1952) original building - Wood stud framing

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

B2010.06 Exterior Louvers, Grilles, and Screens*

(2000) addition - North wall of mechanical room in south west addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

B2010.09 Exterior Soffits*

(2000) modernization - Perimeter soffit construction on 1952 original building

(2000) addition - Soffit under main entrance canopy and roof parapet, and clerestory roof parapet.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

B2020.01.01.02 Aluminum Windows*

(2000) modernization - Aluminum windows on both levels on the east face and the lower level on the west face replaced on 1952 original building.

(1952) original building - Replacement required to upper level windows on west face.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3	0	35	October 2004

Event: Replacement required to upper level windows on West face of 1952 original building.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Energy Efficiency Upgrade	2004	\$28,000	Low

Updated: October 6 2004

B2030.01.01 Aluminum-Framed Storefronts*

(2000) addition - Aluminum main entrance doors frames.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	20	October 2004

B2030.01.06 Automatic Entrance Doors*

(2000) addition - Main entrance door.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	15	October 2004

B2030.02 Exterior Utility Doors*

(2000) addition - Storage room door adjacent to main entrance vestibule.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	15	October 2004

B3010.01 Deck Vapor Retarder and Insulation*

(2000) modernization - Vapour barrier under a 3.5 R.S.I. insulation upgraded on the 1952 original building.

(2000) modernization - The upgraded existing roof of the 1961 addition and the roof on the 2000 gym extension is a Vapour barrier under a 50mm poly-iso insulation.

(2000) additions - Vapour barrier under a 3.5 R.S.I. insulation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	22	October 2004

B3010.04.04 Modified Bituminous Membrane Roofing (SBS)*

(2000) modernization - 2-ply SBS roofing system upgraded on the 1952 original building.

(2000) modernization - The existing 1961 addition roof and the roof on the 2000 gym extension is a 2-ply SBS roofing system.

(2000) additions - 2-ply SBS roofing system.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	25	October 2004

B3020.02 Other Roofing Openings*

(1952) original building - Numerous mechanical penetrations
(2000) addition - Numerous mechanical penetrations in south west addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

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

(2000) modernization - Upgrade to existing wood stud walls in 1952 original building.
 (2000) addition - All new construction in 1952 original building is steel stud.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

C1010.01.03 Unit Masonry Assemblies

(1961) addition - Concrete block walls throughout.
 (2000) additions - Concrete block walls throughout.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

C1010.03 Interior Operable Folding Panel Partitions*

(2000) modernization - One existing classroom divider and one new classroom divider in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	30	October 2004

C1010.04 Interior Balustrades and Screens, Interior Railings*

(2000) modernization - Short glazed separation screen in upper level staff lounge in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	40	October 2004

C1010.05 Interior Windows*

(1952) original building - Existing window in wall separating lower level library and computer room.
 (2000) modernization - New window in upper level principals office and administration waiting area installed in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	40	October 2004

C1010.07 Interior Partition Firestopping*

(2000) modernization - Upgraded in 1952 original building.
 (2000) modernization - Upgraded in 1961 addition.
 (2000) addition - Completed during 2000 additions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

C1020.02 Interior Entrance Doors*

(2000) modernization - Upgraded in 1952 original building.
 (2000) modernization - Refinished in 1961 addition.
 (2000) addition - Completed during 2000 additions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	50	October 2004

C1020.07 Other Interior Doors*

(2000) addition - Roll-Up shutter from Corridor to Home Economics room.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

C1030.02 Fabricated Compartments(Toilets>Showers)*

(2000) modernization - Installation of new throughout in 1952 original building.
 (2000) addition - New installation as part of 2000 addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	20	October 2004

C1030.08 Interior Identifying Devices*

(2000) modernization - Plastic room numbering and room identification signage in 1952 original building.
 (2000) modernization - Plastic room numbering and room identification signage 1961 addition.
 (2000) addition - Plastic room numbering and room identification signage.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	20	October 2004

C1030.10 Lockers*

(2000) modernization - New lockers installed in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

C1030.12 Storage Shelving*

(2000) modernization - Storage closet constructed in each classroom in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	20	October 2004

C1030.17 Other Fittings*

(2000) modernization - Installation of new throughout in 1952 original building.
 (2000) addition - New installation as part of 2000 addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

C2010 Stair Construction*

(1952) original building - Wood stair construction at north and south end of building.
 (1961) addition - Wood stair construction for two sets of stairs at south end of stage.
 (2000) addition - Wood stair construction for stairs at east side of stage.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

C2020.05 Resilient Stair Finishes*

(2000) modernization - Vinyl tile to stairs at north and south end of building upgraded in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	20	October 2004

C2020.08 Stair Railings and Balustrades*

(1952) original building - Existing handrails in stairwells at north and south end of building.
 (1961) addition - Handrails on two sets of stairs at south end of stage.
 (2000) addition - Handrails on stairs at east side of stage.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

C3010.01 Concrete Wall Finishes*

(2000) modernization - Paint to walls in 1961 addition.
 (2000) additions - Painted as part of 2000 addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	100	October 2004

C3010.04 Gypsum Board Wall Finishes*

(2000) modernization - Paint to walls in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	40	October 2004

C3010.06 Tile Wall Finishes*

(2000) modernization - Around urinals In boys washrooms in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

C3010.11 Interior Wall Painting*

(2000) modernization - Paint to walls in 1952 original building.
 (2000) modernization - Paint to walls in 1961 addition.
 (2000) addition - Painted during 2000 additions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	5	October 2004

C3020.01 Concrete Floor Finishes*

(2000) addition - Painted concrete floor in C.T.S. classroom and Electrical Room.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	20	October 2004

C3020.02.01 Ceramic Tile

(2000) additions - Porcelain tile in new entrance vestibules, lobby's, washrooms and locker rooms.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
	0	0	October 2004

C3020.04 Wood Flooring*

(1961) addition - Existing hardwood flooring in Gymnasium and Stage.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	10	October 2004

C3020.07.01 Resilient Tile Flooring

(2000) modernization - Installation upgrade in 1952 original building.
 (2000) modernization - Installation upgrade in 1961 addition.
 (2000) addition - Completed during 2000 additions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

C3020.08 Carpet Flooring*

(2000) modernization - Carpet in Library, Computer room, E.C.S. Classroom and Staff/Admin. area. Upgraded in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	10	October 2004

C3030.04 Gypsum Board Ceiling Finishes*

(2000) modernization - Areas new or existing with Gypsum Board ceiling or bulkheads painted in 1952 original building.
 (2000) addition - New areas with Gypsum Board ceiling painted during 2000 additions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	50	October 2004

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

(2000) modernization - Acoustic ceilings upgraded in 1952 original building.
 (2000) modernization - Acoustic ceilings upgraded in 1961 addition.
 (2000) addition - Acoustic ceilings completed during 2000 additions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	15	October 2004

D1010.02 Lifts*

(2000) modernization - Lift installation in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	25	October 2004

S4 MECHANICAL

D2010.01 Water Closets*

(2001)

New water closets installed throughout in renovation. Mixture of standard height and barrier free vitreous china water closets. Mixture of mechanical flush valves and flush tanks.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D2010.02 Urinals*

(2001)

Vitreous china wall hung urinals. Flushing controlled by DDC actuated motorized valve and regulated by BMCS.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D2010.03 Lavatories*

(2001)

Stainless steel self-rimming countertop basins installed throughout during renovation. Various styles of chrome trim.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D2010.04 Sinks*

(2001)

Mixture of single and double compartment stainless steel sinks with chrome plated trim. Service sinks are molded stone with exposed trim.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D2010.08 Drinking Fountains / Coolers*

(2001)

Stainless steel push button type.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D2020.01.01 Pipes and Tubes: Domestic Water*

(2001)

New plumbing installed throughout during renovation including new 100 diameter service.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	40	October 2004

D2020.01.03 Piping Specialties (Backflow Preventors)*

(2001)

Back flow prevention provided on main water supply and on boiler make-up.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D2020.02.02 Plumbing Pumps: Domestic Water*

(2001)
Domestic hot water recirculation pump provided during renovation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	20	October 2004

D2020.02.06 Domestic Water Heaters*

(2001)
Domestic water heater and recirculation system installed in renovation. Capacity is adequate.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	20	October 2004

D2030.01 Waste and Vent Piping*

(2001)
New piping throughout installed during renovation, including new 150 diameter sanitary service.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

D2040.01 Rain Water Drainage Piping Systems*

(2001)
Roof drains convey water to interior rainwater leaders which drain onto perimeter landscape.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

D3010.02 Gas Supply Systems*

(2001)
New gas piping installed throughout (low pressure) during renovation including new 170 CMH service.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

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

(2001)
2 new water tube boilers heat entire building. Units are Superhot AAE-2520 with high/low stage firing, 592 kW output.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

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

(2001)
Combustion air duct c/w cold air trap provided in renovation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

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

(2001)
Chemical pot feeder provided.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D3040.01.01 Air Handling Units: Air Distribution*

(2001)

2 air handling units provided in renovation. One indoor air handler ventilates the main portion of the building, and the second roof top unit ventilates the CTS area.

AH-1: Engineered-Air LM-15, 8800 L/s at 575 Pa supply, 11.3 kW motor, 6670 L/s at 190 kPa return, 3.75 kW motor.

AH-2: Engineered-Air model LM-3, 1430 L/s at 115 Pa supply, 1120W. Unit complete with glycol preheat coil, 48kW capacity.

One gas fired roof top air handler ventilates gymnasium and stage.

AH-3: Engineered-Air DJ-40, 2850 L/s at 150 Pa supply, 3.8 kW, 2600 L/s at 125 Pa return, 2.3 kW. 94 kW heating output.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D3040.01.02 Fans: Air Distribution*

(2001)

Ceiling suspended fans in the gymnasium.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D3040.01.04 Ducts: Air Distribution*

(2001)

New ductwork installed throughout during renovation, re-heat coils installed throughout.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

D3040.01.07 Air Outlets & Inlets:Air Distribution*

(2001)

Various types of square and round cone diffuser, registers, and grilles provided in renovation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D3040.03.01 Hot Water Distribution Systems*

(2001)

Primary pump circulates glycol to 3-way valve, secondary pumps circulate to all heating zones. Small glycol fill pump provided. Small pump provided for air handling unit pre-heat coil.

Primary pump: 16.8 L/s, 33 kPa, 1120W.

Secondary pumps:13 L/s, 180 kPa, 5630W.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D3040.04.01 Fans*: Exhaust

(2001)

Several exhaust fans throughout for washrooms, change rooms, photocopier, home economics and CTS. Photo copier fan actuated by wall switch, all others by DDC through BMCS.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D3040.04.01 Fans*: Exhaust.(dust collection)

(2001)

Dust collection system provided in CTS area. Unit is AFF Model AR-35, 740L/s at 1875 kPa, 2.25 kW.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D3050.01.02 Packaged Rooftop Air Conditioning Units (& Heating Units)*

(2001)

2 Gas heat/electric cool roof top units. One serves the office and administration areas, and another serves the computer room. Units are Manufactured Air Systems PAC-V-90N-400-363, with 10.5 kW cooling capacity and 23.7 kW heating input.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D3050.05.02 Fan Coil Units*

(2001)

5 new fan coil units provided in renovation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

D3050.05.03 Finned Tube Radiation*

(2001)

New finned tube radiation provided along perimeter during renovation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	35	October 2004

D3050.05.08 Radiant Heating (Ceiling & Floor)*

(2001)

New radiant ceiling panels provided.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	35	October 2004

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

(2001)

Convergent/Inet BMCS installed which controls the operation of the HVAC systems, boilers, and zone valves through DDC.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	25	October 2004

D4030.01 Fire Extinguisher, Cabinets and Accessories*

(2001)

Fire extinguishers provided throughout during renovation.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	30	October 2004

S5 ELECTRICAL

D5010.01 Main Electrical Transformers*

2000 - Main utility transformer is a 3 phase, 120/208 V, 150 KVA, transformer.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
6	0	40	October 2004

D5010.03 Main Electrical Switchboards (Main Distribution)*

2000 - Main electrical service is a Square D, 400A, 3 phase, 120/208V underground service. Adjacent to the service is a 400A CDP which distributes power to the MCC and the branch circuit panelboards. The service also has power monitoring equipment, which indicates average and peak load. Service has an average running load of 40KVA and a peak load of just over 80KW.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	40	October 2004

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

2000 - Branch circuit panelboards are evenly distributed through the school with panels dedicated to the computer lab and other computer equipment, and one for the parking receptacles. The space in front of the panels is insufficient and is in violation of the CEC.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
3	0	30	October 2004

Event: Electrical Panel Clearance

Concern:

Insufficient space in front of electrical panels in data wiring room.

Recommendation:

Relocate panels to location with adequate clearances.
or

Expand wiring room to allow equipment in fringing on panel clearance to be relocated.

<u>Type</u>	<u>Year</u>	<u>Cost</u>	<u>Priority</u>
Code Repair	2008	\$15,000	Low

Updated: October 6 2004

D5010.07 Motor Control Centers (Motor Control)*

2000 - MCC unit is located in the electrical room and is 80% full.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	25	October 2004

D5010.07.02 Motor Starters and Accessories*

2000 - All motor starters have pilot lights, HOA switches and are part of MCC unit.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D5020.01 Electrical Branch Wiring*

2000 - The gymnasium has several branch circuits that remain from the original wiring.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	50	October 2004

D5020.02 Interior Lighting

2000 - Interior lighting is primarily T-8 fluorescents and were all replaced.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	35	October 2004

D5020.02.01 Lighting Accessories (Lighting Controls)*

Lighting control is performed by normal switches and there are no low voltage switches in the school.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

D5020.02.02.01 Interior Incandescent Fixtures*

There are several incandescent recessed potlights in the vestibules and under exterior canopies.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

D5020.02.02.02 Interior Florescent Fixtures*

Most interior fluorescents are recessed 2X4 2-lamp T8 fixtures. Gymnasium fluorescents are surface mount T-8 fixtures which work very well in the gymnasium.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D5020.02.03.02 Emergency Lighting Battery Packs

2000 - Emergency lighting is provided by centralized emergency battery packs with remote heads.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	20	October 2004

D5020.02.03.03 Exit Signs

2000 - Exit lights in the school are DC powered exit lights tied to emergency light battery packs, and are well placed throughout the school giving a very concise path to exits.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D5020.02.05 Special Purpose Lighting*

Installation date unknown. Stage lighting was retained from previous installation and is in good condition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D5020.03.01.01 Exterior Incandescent Fixtures*

2000 - Recessed pot lights under entrance canopies.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D5020.03.01.03 Exterior Metal Halide Fixtures*

2000 - Perimeter building lights are 150W MH wall packs controlled by photocells, excessive number of fixtures is an inefficiency.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

D5030.01 Detection and Alarm Fire Alarm*

2000 - Fire Alarm system is an Edwards EST-2 addressable system. Annunciating devices are bell-strobes and signaling devices are heat and smoke detectors, the building is not sprinkled.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	25	October 2004

D5030.04 Voice and Data Systems

2000 - Voice and data systems are based in a very small wiring room located between the library and computer lab. Data system is a network consisting of Cat 5e cabling, and a network hub. The telephone system is an All-In-One system, which controls telephone, inter comm, and PA systems.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	15	October 2004

D5030.04.01 Telephone Systems*

2000 - Telephone system has a 25 pair line connecting to the school and a Rauland Borg switch controlling the telephone communications.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	15	October 2004

D5030.04.02 Paging Systems*

Part of telephone system.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	15	October 2004

D5030.04.04 Data Systems*

2000 - Network has Cat 5e cabling in conduit back to a central patch panel, which then is connected to a hub.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	15	October 2004

D5030.05 Public Address and Music Systems*

2000 - Majority of PA system is handled by the telephone system, but there is a simple stereo system located in the gym.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

D5030.06 Television Systems*

2000 - CATV run throughout the school.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

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

(2000) modernization - Library equipment upgraded in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

E1020.03 Theater and Stage Equipment*

(1961) addition - Original curtains, age unknown. Original stage lighting c/w multiple flood lights, age unknown.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

E1020.07 Laboratory Equipment*

(2000) modernization - New science room complete with new equipment in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

E1090.03 Food Service Equipment*

(2000) addition - Equipment installation in Home Ec. room completed in 2000 addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

E1090.04 Residential Equipment*

(2000) addition - Equipment installation in Home Ec. room completed in 2000 addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	10	October 2004

E1090.07 Athletic, Recreational, and Therapeutic Equipment*

(1961) addition - Original existing basketball nets and backstops.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	15	October 2004

E2010.02.05 Educational Facility Casework*

(2000) modernization - All new casework in classrooms, upgraded in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

E2010.02.07 Kitchen Casework*

(2000) addition - All new casework in Home Ec. room, installed in 2000 addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

E2010.02.08 Laboratory Casework*

(2000) modernization - All new casework installation in science room in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

E2010.02.09 Library Casework*

(2000) modernization - All new casework installation in Library in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

E2010.02.99 Other Casework*

(2000) modernization - All new casework installation in Staff Lounge / Administration area in 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

E2010.03.01 Blinds*

(2000) modernization - Upgraded in 1952 original building.

(2000) addition - Installation completed during 2000 additions.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	10	October 2004

E2020 Moveable Furnishings*

(2000) modernization - Existing furnishings, age unknown. Additional required furnishings provided in the 1952 original building.

(2000) addition - Required furnishings provided with the 2000 modernization.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	20	October 2004

S8 FUNCTIONAL ASSESSMENT

K4010 Barrier Free Access

(1961) addition - Grade level entrances to the gymnasium.

(2000) additions - The south 2000 addition entrance is at grade level, allowing for barrier free accessibility.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

K4010.01 Barrier Free Route: Parking to Entrance

Two designated stalls for barrier free parking located in the parking lot on the north end of the 1952 original building, allows moderate accessibility to the 2000 barrier free entrance.

(2000) addition - Easy accessibility for barrier free, resulting from paved drive through loop directly adjacent to main entrance for handi-cap drop off.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

K4010.02 Barrier Free Entrances

(2000) additions - Power assisted operators are installed at main north east entrance, which is a grade level. The south 2000 addition entrance is adjacent to the school grounds and is also at grade level, therefore barrier free accessibility is possible if necessary.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

K4010.03 Barrier Free Interior Circulation

(2000) modernization - A handi-cap lift in 1952 original building allows access to all levels except the stage in the Gym.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

K4010.04 Barrier Free Washrooms

(2000) addition - A single centralized unisex barrier free washroom is located adjacent to Gymnasium.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

Facility Details

Building Name: Enchant School
Address:
Location: Enchant

Building Id: S3385
Gross Area (sq. m): 0.00
Replacement Cost: \$0
Construction Year: 0

Evaluation Details

Evaluation Company: Ferrari Westwood Architects

 Evaluation Date: May 1 2004
 Evaluator Name: Mr. Ric Johnston

 Evaluator Phone: (403) 327-3113

Total Maintenance Events Next 5 years:
5 year Facility Condition Index (FCI): **0%**

General Summary:

The site is relatively flat with numerous existing trees lining the perimeter on three sides. Some of the trees are old and require replacement. There is a junior sized soccer field, a playground structure, and a paved staff parking lot on the site. The process of constructing a new baseball field, is currently underway. Recent upgrades have been made to the parking lot and corrective grading at the building perimeter. Landscaping upgrades have also been made to the south and west athletic fields and to the general playground areas. The water, sanitary and storm services were all upgraded at the time of the 2000 modernization. The gas was upgraded in 2002. Overall site is in very good 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)*

Drive through loop adjacent to the main entrance of the 2000 addition allowing for school bus drop off. Centre Street on the east side and North Avenue on the north side of the school.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2020.02.02 Flexible Paving Parking Lots(Asphalt)*

Staff parking lot on the north end of the 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2020.05 Parking Lot Curbs and Gutters*

Perimeter of the staff parking lot on the north end of the 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2020.06.03 Parking Lot Signs*

"One Way" signs at the entrance and the exit of the bus loop.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

G2020.06.04 Pavement Markings*

Handi-Cap symbol on the bus loop adjacent to the main entrance of the 2000 addition and the staff parking lot on the north end of the 1952 original building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

G2030.04 Rigid Pedestrian Pavement (Concrete)*

All sidewalks.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2040 Site Development

General overall site grading and development has been recently completed.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2040.02 Fences and Gates*

Chain link fence on the east side of the building only. Tree belt bordering on the other three sides.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

G2040.03 Athletic and Recreational Surfaces*

Upgraded playing fields to the south and to the west of the school.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2040.04.01 Play-Field Equipment and Structures*

Process of constructing a new baseball field, is currently underway.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2040.04.01.02 Playground Equipment*

Playground area recently upgraded with a new playground structure.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2040.05 Site and Street Furnishings*

Benches adjacent to playground structure.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

G2040.06 Exterior Signs*

Recent upgrade to the school and site signage.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	15	October 2004

G2040.08 Flagpoles*

Recently constructed to the east of the main entrance.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2040.09 Covers and Shelters*

Masonry wind wall at the west end of the asphalt playground directly adjacent to the 2000 addition.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2050 Landscaping

Recent grading and landscaping upgrades to entire site.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2050.01 Irrigation Systems*

30mm irrigation line to single zone at the front of building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

G2050.04 Lawns and Grasses*

Recent grading and landscaping upgrades to entire site.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G2050.05 Trees, Plants and Ground Covers*

Numerous existing trees, in tree belts bordering site, that are old and require replacement.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

G3010.02 Site Domestic Water Distribution*

(2002) - 100mm diameter water service provided.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G3020.01.01 Sanitary Piping

(2002) - 150mm diameter sanitary sewer.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G3020.01.02 Sanitary Manholes

(2002) - Provided on south end of school.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G3030.01 Storm Water Collection*

Surface drainage conditions. Recently completed developments to the site grading and leveling.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G3030.02 Storm Water Equipment*

Site drainage systems. Recent upgrades to roof drains and underground systems in 2000 modernization, draining water away from building.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G3060.01 Gas Distribution*

(2002) - 170 CMH gas service provided.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G4010.02 Electrical Power Distribution Lines*

(2000) modernization - Underground service run from north alley to transformer west of school.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G4010.03 Electrical Power Distribution Equipment*

(2000) modernization - 150 KVA, pad mount, utility transformer.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
5	0	0	October 2004

G4010.04 Car Plugs-ins*

There are currently only 2 vehicle plug-ins for 15 staff. It is currently a Board policy to not provide staff plug-in parking.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004

G4020 Site Lighting

Exterior lights are HID lighting mounted on building primarily by exits.

<u>Rating</u>	<u>Installed</u>	<u>Design Life</u>	<u>Updated</u>
4	0	0	October 2004