School: Knobhill School Date: March 07, 2000

Region: South  Jurisdiction: Calgary  Grades: K - 6  Year of Compl. Floors  Original Building  1959  1 plus walk-out bsmt.  Additions/  None  Superindendent: Dr. Donna Michaels  Contact Person: Leanne Soligo  (403) 214-1123  Description of Mechanical Systems (incl. major upgrades)  Comments  Steam heating to unit ventilation.  One building. Good of the structural beams and columns. Floors are concrete slab with some wooden floors over nine runs  None	School Name:	Knobhill S	School			School Code:	9107
Jurisdiction: Calgary Contact Person: Leanne Soligo Telephone: (403) 214-1123  Grades: K - 6 School Capacity: Total - 225  Building Section Compl. Floors (Sq.M.) Type of Construction (i.e., structure, roof, cladding) (incl. major upgrades) Comments Original Building 1959 1 plus walk-out bsmt. School Capacity: Total - 225  Additions/ None None	Location:	2036 - 20	th Aven	ue S.W.		Facility Code:	1436
Jurisdiction: Calgary Contact Person: Leanne Soligo Telephone: (403) 214-1123  Grades: K - 6 School Capacity: Total - 225  Year of Compl. Floors (Sq.M.) Type of Construction (i.e., structure, roof, cladding) (incl. major upgrades) Comments Original Building 1959 1 plus walk-out bsmt. School Capacity: Total - 225  Additions/ None None	Region:	South				Superindendent:	Dr. Donna Michaels
Grades: K - 6  Vear of Compl. Floors (Sq.M.)  Type of Construction (i.e., structure, roof, cladding)  Total - 225  School Capacity: Total - 225  Description of Mechanical Systems (incl. major upgrades)  Type of Construction (i.e., structure, roof, cladding)  Type of Construction (i.e., structure, roof, cladding)  Total - 225  Comments  Compl. Frame construction with masonry, wood and stucco cladding. Low slope and flat rooves on wood deck on concrete structural beams and columns. Floors are concrete slab with some wooden floors over nine runs  Additions/  None  None							
Grades: K - 6  Year of Compl. Floors Gross Bldg Area (Sq.M.)  Original Building  1959  1 plus walk-out bsmt.  Additions/  No. of Compl. Floors Gross Bldg Area (Sq.M.)  No. of Compl. Floors (Sq.M.)  Type of Construction (i.e., structure, roof, cladding)  Type of Construction (i.e., structure, roof, cladding)  Frame construction with masonry, wood and stucco cladding. Low slope and flat rooves on wood deck on concrete structural beams and columns. Floors are concrete slab with some wooden floors over nine runs  None  None  School Capacity:  Total - 225  Comments  Comments  Steam heating to unit ventilation.  One building. Good of the construction of Mechanical Systems (incl. major upgrades)  Comments  None	ouriodiotion.	Caigary					
Year of Compl. Floors (Sq.M.) Type of Construction (i.e., structure, roof, cladding) (incl. major upgrades) Comments  Original Building 1959 1 plus walk-out bsmt. Smt. Smt. Smt. Smt. Smt. Smt. Smt. S						теюриене.	(100) 211 1120
Additions/  Compl. Floors (Sq.M.) roof, cladding) (incl. major upgrades) Comments  Comments  Compl. Floors (Sq.M.) roof, cladding) (incl. major upgrades) Comments  Comments  Comments  Compl. Floors (Sq.M.) roof, cladding)  Frame construction with masonry, wood and stucco cladding. Low slope and flat rooves on wood deck on concrete structural beams and columns. Floors are concrete slab with some wooden floors over price runs  None  None  Comments  Comme	Grades:	K - 6				School Capacity:	Total - 225
Driginal Building 1959 1 plus walk- out bsmt. 2270.6 Frame construction with masonry, wood and stucco cladding. Low slope and flat rooves on wood deck on concrete structural beams and columns. Floors are concrete slab with some wooden floors over nine runs  None None							
walk- out bsmt.  wood and stucco cladding. Low slope and flat rooves on wood deck on concrete structural beams and columns. Floors are concrete slab with some wooden floors over pine runs None None							Comments/Notes
Additions/ None None	iginal Building	1959	walk- out		wood and stucco cladding. Low slope and flat rooves on wood deck on concrete structural beams and columns. Floors are concrete	-	One building. Good overall condition.
Additions/ None None							
	dditions/			None	None		
	pansions						
Evaluator's Name: Harvey Bernbaum		<del>                                     </del>				Evaluator's Name	Harvey Bernhaum
							Bernbaum Architect Ltd.

Upgrading/ Modernization (identify whether minor or major)	None		
Portable Struct. (identify whether attached/perman. or free-standing/ relocatable)	None		
List of Reports/ Supplementary Information	No reports a     Assistance	provided by:	
	(a) Mr. Dennis (b) Mr. Ian Wel	Larson, Principal, Knobhill lington, Custodian, Knobhill	

Evaluation Components	Summary Assessment	Estim. Cost					
1 Site Conditions	Some drainage problems at parking lots; redo some signage; barrier free ramps, parking, etc.						
2 Building Exterior	Concrete foundation in very good shape. Some minor repairs necessary to exterior facings. Allowance for repairs related to boiler replacement, and replacement of windows, doors, etc.						
3 Building Interior	Numerous minor maintenance items to be attended to, and upgrading of floors, black boards, and barrier free access.	\$133,000					
4 Mechanical Systems	Older mechanical system at end of life cycle and recommended for replacement.	\$284,82					
5 Electrical Systems	Older electrical system. Need to replace fire alarm and needs to be upgraded to current standards.	\$98,324					
6 Portable Buildings	None.	\$0					
7 Space Adequacy:							
7.1 Classrooms	Excess of general classroom space.						
7.2 Science Rooms/Labs	Science area equates to required. 27.9						
7.3 Ancillary Areas	Lack of special program areas163.4						
7.4 Gymnasium	Small gym with open stage144						
7.5 Library/Resource Areas	Library small, school has good library resources; could use a larger space20						
7.6 Administration/Staff Areas	Administration area small; resources are spread throughout the school221.8						
7.7 CTS Areas	None. n/a						
7.8 Other Non-Instructional Areas (incl. gross-up)	Excess circulation. 450.8						
Overall School Conditions & Estim. Costs		\$786,64					

Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.1	General Site Condions			
1.1.1	Overall site size.	4	Good size for inner city school.	
1.1.2	Outdoor athletic areas.	4	Play fields.	
1.1.3	Outdoor playground areas, including condition of equipment and base.	4	Two creative play areas (Parent Council support) plus day care equipment.	
1.1.4	Site landscaping.	4	Mature and in good condition but rather sparse in quantity and grouping.	
1.1.5	Site accessories (i.e., perimeter and other fencing, guard rails, bike stands, flag poles).	4	Perimeter chain link fence around playground, pipe rails at front grass.	
1.1.6	Surface drainage conditions (i.e., drains away from building, signs of ponding).	2	Gravel parking tends to collect run-off - sloped site. Re-grade, re-gravel.	\$15,000
1.1.7	Evidence of sub-soil problems.	4	None.	
1.1.8	Safety and security concerns due to site conditions.	4	Very safe site.	
Other				

Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.2	Access/Drop-Off Areas/Roadways/Bus Lanes			
1.2.1	Vehicular and pedestrian access points (i.e., size, number, visibility, safety).	4	City streets; parking lot used as streets are very busy.	
1.2.2	Surfacing of on-site road network (note whether asphalt or gravel).	2	Gravel service area to south of school. See 1.1.6 for cost.	
1.2.3	Bus lanes/drop-off areas (note whether on-site or off-site).	4	On city street.	
1.2.4	Fire vehicle access.	4	On city street or they can drive into parking lot.	
1.2.5	Signage.	3	Doubling of signage, and not at main entry - confusing - redo signage. Remove both sets and redo over central entry door.	\$4,000
Other				

Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.3	Parking Lots and Sidewalks			
1.3.1	Number of parking spaces for staff, students and visitors (including stalls for disabled persons).	3	Approximately 20 stalls - appears inadequate to accommodate teachers, day care and visitors. No other space available, other than on street. Provide barrier free stall c/w paving and signage.	\$3,000
1.3.2	Layout and safety of parking lots.	4	Fenced from play areas, pedestrian traffic through parking area is unsafe, though sidewalk at west side not used much.	
1.3.3	Surfacing and drainage of parking lots (note whether asphalt or gravel).	2	Ponds during heavy rainfall or run-off. See Item 1.1.6 for cost.	
1.3.4	Layout and safety of sidewalks.	4	Adequate.	
1.3.5	Surfacing and drainage of sidewalks (note type of material).	4	Concrete, slippery (exposed to melting from building).	
1.3.6	Curb cuts and ramps for barrier free access.	3	Ramp at south end of school allowing access from public sidewalk into school. Gravel parking lot is prohibitive to wheel chair access (see 1.3.1). Will require some upgrading of handrails, etc., and some provision to get to playground and lower level entrance from main level.	\$15,000
Other		1	Garbage bin at front of school - unsightly. If no other alternative, an enclosure should be built.	\$5,000
	Overall Site Conditions & Estimated Costs			\$42,000

Section	n 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
	2.1	Overall Structure		Bldg.		
				Section		
1	2.1.1	Floor structure and beams (i.e., signs of bending, cracking, heaving, settlement, voids, rust, stains).	4		Very sound. No indication of problems.	
		cracking, neaving, settlement, voids, rust, stains).				
:	2.1.2	Wall structure and columns (i.e., signs of bending,	4		No indication of problems.	
		cracking, settlement, voids, rust, stains).				
	213	Roof structure (i.e., signs of bending, cracking, voids,	4		No indication of problems.	
		rust, stains).	-		The indication of problems.	
		Controllor and in the inte	,			
1 '	2.1.4	Control/expansion joints.	n/a			
	Other					

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
2.2	Roofing and Skylights Identify the availability of an up-to-date inspection report or roofing program. Note if roof sections are of different ages and/or in varying		Bldg. Section or Roof		
2.2.1	Based on the inspection report (and to the extent possible, direct observation), assess and rate roof conditions and estimate costs for required improvements (i.e., covering materials, membrane, insulation, other components).	F.I.	Section	Fred Drugmeyer - roofer for Board could be contacted. Roof does not appear to be leaking anywhere. Skylights have been roofed over (all except one in corridor by office). Roofing report should be done if a recent report is not in existence.	
2.2.2	Roof accessories (i.e., ladders, stairs, hatches, masts, exhaust hoods, chimneys, gutters, downspouts, splashpads).	F.I.		1 wooden ladder - no sign of problem. Other items could not be observed and should be investigated along with 2.2.1.	
2.2.3	Control of ice and snow falling from roof.	4		Flat roof - low pitch. No sign of problem.	
2.2.4	Skylights (i.e., signs of distress, leaks, ice build-up, condensation, deteriorated materials/seals).	F.I.		Skylights - all closed off except for one in hall by office - no problems. Some clear storey lites in main corridor - great illumination. We recommend that the skylights be opened again, unless they were closed off due to major problems.	
Other					

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
2.3	Exterior Walls/Building Envelope		Bldg.	<u>Description/Condition</u>	
2.3.1	Exterior wall finishes (i.e., signs of deterioration, cracks, brick spalling, effluorescence, water stains).	2	Section	Very good stucco, brick and wood. Wood should be restained.	\$5,000
2.3.2	Fascias, soffits, parapets (i.e., signs of looseness, stains, rust, peeling paint).	2		No apparent problems over most of building except:	<b>#</b> 500
				(a) Gym Fascia: East side - paint damage (from roofers torch?).	\$500
				(b) School Fascia & Soffit: East side - moisture; sign of some leakage.	\$5,000
				(c) Soffit: East entry - shows moisture problem - should be repaired.	\$8,000
2.3.3	Building envelope (i.e., evidence of air infiltration/ exfiltration through the exterior wall or ice build up on wall, eaves, canopy).	3		Stucco: Several areas stained. Shows some moisture at windowsill onto stucco and some slight cracking. Stucco is dirty, stained, faded and uneven colour. Stucco stained from moisture off portico rooves - especially on south side and entrances. Stucco should be cleaned.	\$7,000
2.3.4	Interface of roof drainage and ground drainage systems.	4		No apparent problems.	
2.3.5	Inside faces of exterior walls (i.e., signs of cracks, water stains, dust spots).	4		No apparent problems.	
Other		3		Allowance for renovations related to boiler replacement.	\$30,000

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
2.4	Exterior Doors and Windows		Bldg. Section	<u>Description/Condition</u>	
2.4.1	Doors (i.e., signs of deterioration, rusting metal, glass cracks, peeling paint, damaged seals, sealed unit failure).	3	Gection	Doors and hardware original to building. All functioning, but should at least be painted before problems are created (\$4,500). Doors are reaching the end of their life cycle. Allowance for replacement and associated repairs.	\$10,000
2.4.2	Door accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	3		Working condition. Reaching the end of their life cycle. Allowance for replacement at same time as 2.4.1.	\$10,000
2.4.3	Exit door hardware (i.e., safety and/or code concerns).	3		Good working condition. Allowance for some upgrading.	\$3,000
2.4.4	Windows (i.e., signs of deterioration, rusting metal, glass cracks, peeling paint, damaged seals, sealed unit failure).	3		As a minimum, to curtail further deterioration, window stops need paint and restaining - part of Item 2.4.1. Windows are original to building and at the end of their life cycle. Replacement should be done in the style of the original building. Repair surrounding trim.	\$150,000
2.4.5	Window accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	3		Original hardware should be maintained or reused as possible with any window replacement. Replace inoperable hardware with appropriate pieces. See 2.4.4 for costs.	
2.4.6	Building envelope (i.e., signs of heavy condensation on doors or windows).	4		Good.	
Other					
	Overall Bldg Exterior Condition & Estim Costs				\$228,500

Section 3	Building Interior - Overall Conditions	Rating		Comments/Concerns	Estim. Cost
3.1	Interior Structure		Bldg.		
3.1.1	Interior walls and partitions (i.e., signs of cracks, spalling, paint peeling).	1	Section	<u>Description/Condition</u> Gypsum board/framed walls, concrete block. No apparent problems. There is, however, a hole into basement foundation that must be repaired.	\$2,500
3.1.2	Floors (i.e., signs of cracks, heaving, settlement).	4		Concrete; wood floors only in office area.	
Other					
3.2	Materials and Finishes		Bldg. Section	Description/Condition	
3.2.1	Floor materials and finishes.	2	<u> </u>	Original V/A tile in corridor, carpet and battleship linoleum in classrooms, ceramic tile in washrooms. Vestibules have inset foot matt and V/A tile. All in reasonable condition except 5' x 8' area in gym that needs to have verathane put on (\$500). Replace V/A tile in 3 to 5 years, as well as old carpet and battleship linoleum. Refinish and seal gym floor.	\$50,000
3.2.2	Wall materials and finishes.	3		Plaster walls primarily; concrete block (painted) in washroom; ply wainscott in gym; painted metal in storage. Repaint 80% of interior in 3 to 5 years.	\$40,000
		2		Repaint upper gymnasium walls. Repaint corridor walls. Repaint girls' and boys' washrooms.	\$18,000
3.2.3	Ceiling materials and finishes.	F.I.		Mix of ceiling tile (acoustic), sprayed plaster and gyproc. Could be high content of asbestos. Hazardous materials report should be done if one does not exist.	

Section 3	Building Interior - Overall Conditions	Rating		Comments/Concerns	Estim. Cost
3.2	Materials and Finishes (cont'd)		Bldg.		
3.2.4	Interior doors and hardware.	2	Section	<u>Description/Condition</u> Some doors bind when being opened, but generally very good. Repair (plane down) binding doors.	\$3,000
3.2.5	Millwork	3		Millwork original. Generally in very good condition and is part of the character of the school. Allowance for repairing of counter tops, doors, etc.	\$1,500
3.2.6	Fixed/wall mounted equipment (i.e., writing boards, tackboards, display boards, signs).	3		Chalk board, tack boards adequate, but black boards should be replaced with white board to bring school to CBE standard.	\$8,000
3.2.7	Any other fixed/mounted specialty items (i.e., CTS equipment, gymnasium equipment).	2		Gym equipment adequate. Drapes in gymnasium are likely fire hazard and are original to building. Allowance for replacement.	\$10,000
3.2.8	Washroom materials and finishes.	4		Wall hung sinks and toilets in good condition. Toilet partitions - metal - very good. Walls to be repainted. See Item 3.2.2 for cost.	
Other					

Section 3	Building Interior - Overall Conditions	Rating		Comments/Concerns	Estim. Cost
3.3	Health and Safety Concerns Intent is to identify renovations considered necessary to meet applicable codes, primarily due to safety		Bldg. <u>Section</u>	Description/Condition	
	meet applicable codes, primarily due to safety concerns. Basis of evaluation should be an up-to-date inspection report from the authority having jurisdiction together with direct observations as appropriate. Evaluator should note if in his opinion a comprehensive code evaluation is				
3.3.1	Building construction type - combustible or non- combustible, sprinklered or non-sprinklered.	4		Non-combustible construction except combustible roof and floor of office. Building is not sprinklered.	
3.3.2	Fire separations (i.e., between buildings, wings, zones if non-sprinklered).	4		None.	
3.3.3	Fire resistance rating of materials (i.e., corridor walls and doors).	4		Adequate/concrete block, plaster, etc.	
3.3.4	Exiting distances and access to exits.	4		No apparent problems.	
3.3.5	Barrier-free access.	3		School itself is very accessible from outside, though one cannot get from main floor to basement floor without going outside. Basement is not used by school at present and there is not a lot of space for use. Stair to basement also provides access to playground. See 1.3.6 for costs of accessing playground from main level of school.	
3.3.6	Availability of hazardous materials audit (i.e., evidence of safety concerns with respect to asbestos, PCB's, chemicals).	F.I.		Expected in finishes, insulation and ballasts. Hazardous materials report should be done if one does not exist.	
3.3.7	Other health and safety concerns (i.e., evidence of excessive noise conditions, air quality problems)	4		None.	
Other					
	Overall Bldg Interior Condition & Estim Costs				\$133,000

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.1	Mechanical Site Services				
	Site drainage systems (i.e., surface and underground systems, catch basins).	4		Slopes to street and playground.	
	Exterior plumbing systems (i.e., irrigation systems, hose bibs).	3		No irrigation, no back-flow prevention on hose bibs.	\$500
4.1.3	Outside storage tanks.	n/a			
Other		n/a			
4.2	Fire Suppression Systems		Bldg. Section	Description/Condition	
4.2.1	Fire hydrants and siamese connections.	4	<u>Section</u>	Hydrant on 20 Avenue adjacent to school.	
	Fire suppression systems (i.e., pumps, sprinklers, piping, reservoirs, hoses, stand pipes, CO2 systems).	4		Stand pipe and hose, no sprinklers.	
4.2.3	Hand extinguishers, blankets and showers (i.e., in CTS areas).	4		Extinguishers inspected June 1999.	
4.2.4	Other special situations (e.g., flammable storage areas, science labs, CTS areas).	n/a			
Other		n/a			

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.3	Water Supply and Plumbing Systems		Bldg.		
4.3.1	Domestic water supply (i.e., pressure, volume, quality note whether municipal or well supply).	5	Section	Description/Condition City of Calgary.	
4.3.2	Water treatment system(s).	n/a			
4.3.3	Pumps and valves (including backflow prevention valves).	5		Back-flow prevention done.	
4.3.4	Piping and fittings.	4		Mix of galvanized and copper, no leaks.	
4.3.5	Plumbing fixtures (i.e., toilets, urinals, sinks)	5		Good condition - no leaks. Handicap fixtures do not comply but okay.	
4.3.6	Domestic hot water system (i.e., heater, storage tanks, failure alarms, pressure, volume, recirculation).	5		Domestic hot water John Wood (new) 33.3 gallon 38,000 BTU/hr.	
4.3.7	Sanitary and storm sewers, including sumps and pits (note whether sewage system is municipal or septic).	4		City of Calgary.	
Other		n/a			

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.4	Heating Systems		Bldg.		
4.4.1	Heating capacity and reliability (including backup capacity).	3	Section	<u>Description/Condition</u> Steam Liberty 966.2 KW reported as inspected this summer, new condensate tank and pump installed this summer. Do a major mechanical upgrade.	\$102,177
4.4.2	Heating controls (including use of current energy management technology.	4		Pneumatic thermostats to unit ventilators.	
4.4.3	Fresh air for combustion and condition of the combustion chimney.	3		Combustion air, no relief air.	\$500
4.4.4	Treatment of water used in heating systems.	4		Treatment by CBE.	
4.4.5	Low water cutoff/pressure relief valves and failure alarms (i.e., hot water heating).	4		Adequate.	
4.4.6	Heating air filtration systems and filters.	4		Part of unit ventilators.	
4.4.7	Heating humidification systems and components.	n/a			

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.5	Ventilation Systems		Bldg.		
			Section	<u>Description/Condition</u>	
4.5.1	Air handling units capacity and condition.	3		Unit ventilators. Do major ventilation upgrade at the same time as 4.4.1.	\$113,530
	Outside air for the occupant load (if possible, reference CFM/occupant).	4		Appears okay.	
	Air distribution system (if possible, reference number of air changes/hour).	4		Appears okay.	
4.5.4	Exhaust systems capacity and condition.	4		Appears okay.	
4.5.5	Separation of out flow from air intakes.	5		Good.	
4.5.6	Special/dedicated ventilation and/or exhaust systems (i.e., kitchen, labs, CTS areas).	4		Small residential kitchen stove, etc.	
Other		n/a			

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.5	Ventilation Systems (cont'd)		Bldg.		
	Note: Only complete the following items if there		Section	<u>Description/Condition</u>	
	are separate ventilation and heating systems.				
4.5.7	Ventilation controls (including use of current energy	4		Part of unit ventilators.	
	management technology).				
4.5.0	A. Girai				
4.5.8	Air filtration systems and filters.	4		Part of unit ventilators.	
4.5.9	Humidification system and components.	n/a			
4.5.10	Heat exchangers.	n/a			
4.5.11	Ventilation distribution system and components (i.e.,	4		Part of unit ventilators.	
	ductwork, diffusers, mixing boxes, dampers,				
	linkages).				
Other		n/a			7

	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.6	Cooling Systems		Bldg.		
4.6.1	Cooling system capacity and condition (i.e., chillers, cooling towers, condensers).	n/a	Section	<u>Description/Condition</u>	
4.6.2	Cooling distribution system and components (i.e., ductwork, diffusers, mixing boxes, dampers, linkages)	n/a			
4.6.3	Cooling system controls (including use of current energy management technology).	n/a			
4.6.4	Special/dedicated cooling systems (i.e., labs, CTS areas).	n/a			
Other		n/a			
4.7	Building Control Systems		Bldg.		
4.7.1	Building wide/system wide control systems and/or energy management systems.	3	Section	Do major upgrade at the same time as 4.4.1 and 4.5.1.	
					\$68,118
	Overall Mech Systems Condition & Estim. Costs				\$284,825

ection 5	Electrical Systems	Rating		Comments/Concerns	Estim. Cos
	Site Services				
5.1.1	Primary service capacity and reliability (i.e., access, location, components, installation, bus sizes - note whether overhead or underground).	4		Two services 400A/120/208/60/1 and 120/208/60/3.	
5.1.2	Site and building exterior lighting (i.e., safety concerns).	4		HID wall packs.	
5.1.3	Vehicle plug-ins (i.e., number, capacity, condition).	4		Four only. Need new cover plate.	
Other		n/a			
	Life Safety Systems		Bldg. Section	Description/Condition	
5.2.1	Fire and smoke alarm systems (i.e., safety concerns, up-to-date technology, regularly tested).	3		120 volt system should be upgraded.	\$7,50
5.2.2	Emergency lighting systems (i.e., safety concerns, condition).	4		Battery packs and remote heads.	
5.2.3	Exit lighting and signage (i.e., safety concerns, condition).	4		Exit lights reported as tied into battery packs.	
Other		n/a			

Section 5	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.3	Power Supply and Distribution		Bldg.		
			Section	Description/Condition	
5.3.1	Power service surge protection.	n/a			
5.3.2	Panels and wireways capacity and condition.	4		Replacement parts will become a problem.	
		•		Topiasonioni pane niii 2000nio a prozionii	
5.3.3	Emergency generator capacity and condition and/or	n/a			
	UPS (if applicable).				
534	General wiring devices and methods.	4		Adequate.	
0.0	Contract Hinning Contract Contract Historical	7		Adoquato.	
5.3.5	Motor controls.	4		Replacement parts may become a problem.	
Other		n/a			
Carlor		11/4			

Section 5	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.4	Lighting Systems		Bldg.		
5.4.1	Interior lighting systems and components (i.e., illumination levels, conditions, controls).	3		<u>Description/Condition</u> Corridor 5-20 FC (high contrast fluorescent), gym 25 FC (fluorescent), classroom 70-85 FC (fluorescent), office 80-100 FC (fluorescent). Do a lighting upgrade to T-8 lamps and energy efficient ballasts.	\$90,824
5.4.2	Replacement of ballasts (i.e., health and safety concerns).	4		Only as ballast fail.	
5.4.3	Implementation of energy efficiency measures and recommendations.	3		T-12 technology. See 5.4.1 for costs to replace with T-8's.	
Other		n/a			

	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.5	Network and Communication Systems		Bldg.		
5.5.1	Telephone system and components (i.e., capacity, reliability, condition).	4	Section	<u>Description/Condition</u> Nortel Norstar phone/classroom.	
5.5.2	Other communication systems (i.e., public address, intercom, CCTV, satellite or cable TV).	4		Public address (old).	
5.5.3	Network cabling (if available, should be category 5 or better).	4		Limited category 5.	
5.5.4	Network cabling installation (i.e., in conduit, secured to walls or tables).	4		Limited but acceptable.	
5.5.5	Wiring and telecommunication closets (i.e., size, security, ventilation/cooling, capacity for growth).	4		Adequate.	
5.5.6	Provision for dedicated circuits for network equipment (i.e., hubs, switches, computers).	4		Appears enough.	
Other		n/a			

	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.6	Miscellaneous Systems		Bldg.		
F G 1	Site and building auryaillance ayatam (if applicable)	2/2	Section	<u>Description/Condition</u>	
5.0.1	Site and building surveillance system (if applicable).	n/a			
5.6.2	Intrusion alarms (if applicable).	4		Security system.	
563	Master clock system (if applicable).	4		Telequartz.	
0.0.0	master clock system (ii applicable).	4		1 elequalitz.	
Other		n/a			
5.7	Elevators/Disabled Lifts (If applicable)				
	Elevator/lift size, access and operating features (i.e.,	n/a			
	sensing devices, buttons, phones, detectors).	.,			
5.7.2	Condition of elevators/lifts.	n/a		No elevator - single storey building with minor basement.	
5.7.3	Lighting and ventilation of elevators/lifts.	n/a			
Other		n/a			
Salici		11/4			
	Overall Elect. Systems Condition & Estim Costs				\$98,324

School:	<b>Knobhill School</b>
Date:	March 07, 2000

Section 6	Portable Buildings	Rating	Comments/Concerns	Estim. Cost
	Note: Separate sheets can be completed, if necessary, for portable buildings of different ages and/or conditions.		No portables.	
	Foundation and structure (i.e., signs of bending, cracking, settlement, rust, voids, stains).	n/a		
	Roof materials and components (i.e., signs of deterioration, leaks, ice build-up).	n/a		
	Exterior wall finishes (i.e., signs of deterioration, cracks, water stains).	n/a		
	Doors and windows (i.e., signs of deterioration, rusting hardware, glass cracks, peeling paint, damaged seals).	n/a		
6.1.5	Interior finishes (i.e., floors, walls, ceiling).	n/a		
6.1.6	Millwork (i.e., counters, shelving, vanities, cabinets).	n/a		
6.1.7	Fixed/wall mounted equipment (i.e., writing boards, tackboards, display boards, signs)	n/a		
6.1.8	Heating system.	n/a		
6.1.9	Ventilation system.	n/a		
6.1.10	Electrical, communication and data network systems.	n/a		
	Health and safety concerns (i.e., fire and smoke alarms, fire protection systems, exiting, fire resistance rating of materials).	n/a		
6.1.12	Barrier-free access.	n/a		
	Overall Portable Bldgs Condition & Estim Costs			\$0

7.7.4 Other CTS Programs 7.8 Other Non-Instructional Areas (i.e.,

circulation, wall area, crush space, wc

Overall Space Adequacy Assessment

1,058.8

2,270.6

12

12

	Space Adequacy - Capacity: 225	This Facility			Equiv. New Facility			Surplus/	
Section 7		No.	Size	Total Area	No.	Size	Total Area	Deficiency	Comments/Concerns
7.1	Classrooms	6	79	562.3	6	80	480	82.3	There are no portables.
		1	88.3						
7.2	Science Rooms/Labs	1	67.1	67.1	1	95	95	-27.9	
	Ancillary Areas (i.e., Art, Computer Labs, Drama, Music) - Total	2		146.6	3		310	-163.4	
	Computer								Computer lab is part of library.
	Drama (stage area)		73						
	Art		73.6						No specific room for music, art, drama. Gymnasium is generally used. Old art area is now day care (basement).
	Music								
7.4	Gymnasium (incl. gym storage)	1		260.6	1		275	-14.4	
			250.6						
	Storage		10						
7.5	Library/Resource Areas/Computer	1	100	100	1		120	-20	
	Administration/Staff, Physical Education, Storage Areas		75.2	75.2			297	-221.8	
	CTS Areas								N/A
	7.7.1 Business Education								
	7.7.2 Home Economics								
	7.7.3 Industrial Arts								

450.8

85.6

Wide corridors typical of older schools.

608

2,185

School: Knobhill School

Date: March 07, 2000