School : Bonanza
Date: March 8/00

School Name:					School Code:	1302
Location:	Bonanza				Facility Code:	1835
Region:	North				Superintendent:	Mr. Gerry Mazar
Jurisdiction:	Peace Wa	apiti Rec	ional		Contact Person:	Mr. Al Mcewan
- Carroalettern	Division N		Jona		Telephone:	(780) 532-8133
Grades:	I - VIII				School Capacity:	125
Building Section	Year of Compl.	No. of Floors	Gross Bldg Area (Sq.M.)	Type of Construction (i.e., structure, roof, cladding)	Description of Mechanical Systems (incl. major upgrades)	Comments/Notes
Original Building	1957	1	499.2	Wood frame, pitched roof, metal industrial siding -pre-finished.	The heating system consists of four (4) American Standard gas fired furnaces, one for each classroom.	The existing heating and ventilation system can meet ASHRAE 62-1989 Standards.
Additions/ Expansions	1963	1	124.8	Wood frame, flat roof, metal industrial siding - pre-finised.	The heating system consists of two (2) American Standard gas fired furnaces. One furnace is serving the staff area and the other is serving the Washrooms.	The existing heating and ventilation system can meet ASHRAE 62-1989 Standards.
	1965	1	185.40	Wood frame, flat roof, metal industrial siding - pre-finished.		
	1986	1	459.92	Masonry, flat roof, painted.	The heating system consists of five (5) American Standard gas fired furnaces. There is one furnace for each classroom two (2) furnaces serving the Gym and one serving the Shower Rooms.	The existing heating and ventilation system for this addition can meet ASHRAE 62-1989 Standards.
					Evaluator's Name: & Company:	Tomas O'Scolai M.A.A.A.,M.R.A.I.( Tomas Anton O'Scolai Architect

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Upgrading/ Modernization (identify whether minor or major)	1986	1	758.1	Major. Modernization.	The existing furnace system was replaced. The new furnaces were installed to serve entire school.	Gym storage space is small and inadequate for requirements.
Portable Struct. (identify whether attached/perman. or free-standing/ relocatable)	N/A			No modernization.		
List of Reports/ Supplementary Information	Updated Updated					

Evaluation Components	Summary Assessment	Estim. Cost
1 Site Conditions	Relocation of parking. Secondary access. Repaving. New equipment. Regrading. Signage.	\$66,300
2 Building Exterior	Basement walls repairs. Provide splashpads. Door hardware replacement.	\$25,750
3 Building Interior	Replace gym. base board. Install fire stopping. Replace basement stairs.	\$13,300
4 Mechanical Systems	The existing heating and ventilation furnace system can meet ASHRAE 62-1989 Standards as well as present ventilation code requirements. There is no modification necessary.	
5 Electrical Systems	The electrical systems are generally in unsatisfactory conditions. Upgrading is required for lighting, intercommunications and fire alarm systems.	\$63,800
6 Portable Buildings	N/A	
7 Space Adequacy:		
7.1 Classrooms	Surplus + 58.04 m sq.	
7.2 Science Rooms/Labs		
7.3 Ancillary Areas	Deficient - 147.67 m sq.	
7.4 Gymnasium	Surplus + 13.00 m sq.	
7.5 Library/Resource Areas	Surplus + 2.50 m sq.	
7.6 Administration/Staff Areas	Deficient - 7200 m sq.	
7.7 CTS Areas		
7.8 Other Non-Instructional Areas (incl. gross-up)	Surplus + 77.45 m sq.	
Overall School Conditions & Estim. Costs	Deficient - 68.68 m sq.	\$169,150

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Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.1	General Site Condions			
1.1.1	Overall site size.	4	Shared with local fire department, concern with the amount of space left over for the school - too little.	
1.1.2	Outdoor athletic areas.		Rough grass and hard surface. Requires topsoil, seeding and repaving.	\$3,000
1.1.3	Outdoor playground areas, including condition of equipment and base.	2	Equipment is poor and inadequate. Sand base.	\$15,000
1.1.4	Site landscaping.	3	Grassed on north and east side. On west side soil requires topsoil and seeding.	\$800
1.1.5	Site accessories (i.e., perimeter and other fencing, guard rails, bike stands, flag poles).	4	Fenced.	
1.1.6	Surface drainage conditions (i.e., drains away from building, signs of ponding).	1	Site drains to building - 1957 addition on the west side - Regrade. Site drains to building - 1957 and 1963 on the east side should drain to ditch by road - Regrade. Paved area ponds in front of school entrance - Regrade and pave (cost in 1.2.2).	\$8,000
1.1.7	Evidence of sub-soil problems.		There is water in the basement. sump Is wet. Refer to (2.1.2) and (2.2.2). Dampness in crawl space also.	cost in 2.1.2
1.1.8	Safety and security concerns due to site conditions.		School buses park bumper to bumper in front of school entrance is in conflict with other vehicular and pedestrian traffic and parking area.  Relocation of parking area is suggested.	\$7,000
Other				

#### Part II - Physical Condition

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).		One access from road way. Another access to the school be considered.	\$2,000
1.2.2	Surfacing of on-site road network (note whether asphalt or gravel).	1	Asphalt is heaved, rutted and pot holed. Front yard is paved - condition is very bad, repaving with proper base is required.	\$25,000
1.2.3	Bus lanes/drop-off areas (note whether on-site or off-site).	4	On-site.	
1.2.4	Fire vehicle access.	4	To front and side only (east) from road way. Access to west and rear from road way through field.	
1.2.5	Signage.	3	No parking signage. No fire lane signage. Building - signed.	\$500
Other				

### Part II - Physical Condition

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).	4	6 parking stall - Adequate.	
1.3.2	Layout and safety of parking lots.	2	Parking area should be relocated.	cost in 1.2.2
1.3.3	Surfacing and drainage of parking lots (note whether asphalt or gravel).	1	Refer to (1.2.2)	cost in 1.2.2
1.3.4	Layout and safety of sidewalks.	4	No problem with layout of sidewalk.	
1.3.5	Surfacing and drainage of sidewalks (note type of material).		Sidewalks are concrete. Front entry stoop and part of west side sidewalk require replacing (front - damaged, west side - drains to building).	\$4,800
1.3.6	Curb cuts and ramps for barrier free access.	3	Asphalt paving from parking lot could be built up to level of sidewalk to provide proper access.	\$200
Other				
	Overall Site Conditions & Estimated Costs			\$66,300

### Part II - Physical Condition

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
2.1	Overall Structure		Bldg. Section	Description/Condition	
2.1.1	Floor structure and beams (i.e., signs of bending, cracking, heaving, settlement, voids, rust, stains).	4	1957 1963 1965 1986	Suspended wood. Suspended wood. Slab on grade. Slab on grade. No apparent problems.	
2.1.2	Wall structure and columns (i.e., signs of bending, cracking, settlement, voids, rust, stains).	2	1963 1965 1986 1957	Wood frame. Wood frame. Masonry. Masonry. Basement wall, cast in place concrete is badly cracked on the east side (cold joints). It is braced with telepost which are rusting out. There are also settlement cracks on the west wall which leaks water into the basement also.	\$20,000
2.1.3	Roof structure (i.e., signs of bending, cracking, voids, rust, stains).	4	1963 1965	Wood trusses - Wood deck. Wood trusses - Wood deck. Steel trusses - Metal deck. Steel trusses - Metal deck.	
Other					

### Part II - Physical Condition

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
	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 Section	Description/Condition/Age	
	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).				
		4	1957 1963 1965 1986	Torched on bitumenous roofing - No reported problems. Torched on bitumenous roofing - No reported problems. Torched on bitumenous roofing - No reported problems. Built-up bitumenous roofing - No reported problems.	
	Roof accessories (i.e., ladders, stairs, hatches, masts, exhaust hoods, chimneys, gutters, downspouts, splashpads).	4	All	Good condition.	
2.2.3	Control of ice and snow falling from roof.	4	All	No considered and a second a second and a second a second and a second a second and	
		4	All	No reported concerns.	
	Skylights (i.e., signs of distress, leaks, ice build-up, condensation, deteriorated materials/seals).			N/A	
Other					

Part II - Physical Condition

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
2.3	Exterior Walls/Building Envelope		Bldg. Section	Description/Condition	
2.3.1	Exterior wall finishes (i.e., signs of deterioration, cracks, brick spalling, effluorescence, water stains).	4	All	No observed or reported problems.	
2.3.2	Fascias, soffits, parapets (i.e., signs of looseness, stains, rust, peeling paint).	4	All	No observed or reported problems.	
2.3.3	Building envelope (i.e., evidence of air infiltration/ exfiltration through the exterior wall or ice build up on wall, eaves, canopy).	4	All	No observed or reported problems.	
2.3.4	Interface of roof drainage and ground drainage systems.	2	1957 1963 1965 1957 1963	There is a problem with the drainage once it gets to the ground, particularly on the west side of the 1957 section.  There are no splashpads. This condition contributes to the condition of water in the basement and to the deterioration of the east basement wall.	\$300
2.3.5	Inside faces of exterior walls (i.e., signs of cracks, water stains, dust spots).	4	All	No observed or reported problems.	
Other					

### Part II - Physical Condition

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
2.4	Exterior Doors and Windows		Bldg. Section	<u>Description/Condition</u>	
	Doors (i.e., signs of deterioration, rusting metal, glass cracks, peeling paint, damaged seals, sealed unit failure).	2	1986	Exterior door to gym. require weather stripping	\$200
2.4.2	Door accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	2		Door closer required on storage room # 117. Door hardware is poor generally. Could be upgraded.	\$250
2.4.3	Exit door hardware (i.e., safety and/or code concerns).	3	All	In poor condition - Replace.	\$5,000
	Windows (i.e., signs of deterioration, rusting metal, glass cracks, peeling paint, damaged seals, sealed unit failure).	4	I All	Aluminum windows. No overall concerns.	
2.4.5	Window accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	4	All	No overall concerns.	
	Building envelope (i.e., signs of heavy condensation on doors or windows).	4	All	Generally no concerns.  Refer to 2.4.1. Exterior door is showing signs of consistent condensation on the interior - door is starting to rust.	
Other					
	Overall Bldg Exterior Condition & Estim Costs				\$25,750

Part II - Physical Condition

Section 3	Building Interior - Overall Conditions	Rating		Comments/Concerns	Estim. Cost
3.1	Interior Structure		Bldg. Section	Description/Condition	
	Interior walls and partitions (i.e., signs of cracks, spalling, paint peeling).	4	All	No observed concerns.	
3.1.2	Floors (i.e., signs of cracks, heaving, settlement).	4	All	No observed concerns.	
Other					
3.2	Materials and Finishes		Bldg. Section	Description/Condition	
3.2.1	Floor materials and finishes.	2	1986	Wood strip to gym. Wood baseboard (2x8) is dangerous and should be replaced with a vented base.  Quarry floor tiles at west entrance - Good condition.  Lino generally throughout. Underlayment is suspect to be problematic.	10,000
3.2.2	Wall materials and finishes.	4	All	Vinyl covered gypsum board - Good condition.	
3.2.3	Ceiling materials and finishes.	4	All	Gypsum board and suspended acoustic tiles - Good condition.	

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	Building Interior - Overall Conditions	Rating		Comments/Concerns	Estim. Cost
3.2	Materials and Finishes (cont'd)		Bldg.	Description/Condition	
3.2.4	Interior doors and hardware.	4		Pressed steel frames, solid wood doors - Good condition.	
3.2.5	Millwork	4	All	No concerns.	
3.2.6	Fixed/wall mounted equipment (i.e., writing boards, tackboards, display boards, signs).	4	All	Green boards, tack board and white board are in good condition.	
3.2.7	Any other fixed/mounted specialty items (i.e., CTS equipment, gymnasium equipment).	4	1986	In good condition. No concerns.	
3.2.8	Washroom materials and finishes.	4	All	Mosaic and quarry floor tiles. Ceramic wall tiles. Gypsum board ceiling painted. Composite plastic laminate partitions. All in good condition.	
Other					

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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		Bldg.	D 111 (0 111)	
	meet applicable codes, primarily due to safety		Section	<u>Description/Condition</u>	
	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		Combustible no sprinklered.	
3.3.2	Fire separations (i.e., between buildings, wings,				
	zones if non-sprinklered).	3	1986	There is no fire stopping between wall corridor and roof metal deck.	\$1,500
					. ,
3.3.3	Fire resistance rating of materials (i.e., corridor walls				
	and doors).	4		Appear to be in place.	
3.3.4	Exiting distances and access to exits.				
		4		Appear to be compliant.	
335	Barrier-free access.				
0.0.0	Samor nos assess.	4		Appear to be compliant.	
		7		Appear to be compliant.	
3.3.6	Availability of hazardous materials audit (i.e.,				
	evidence of safety concerns with respect to asbestos, PCB's, chemicals).	4		No reported concerns.	
	. 02 6, 6.161.1164.15).				
3.3.7	Other health and safety concerns (i.e., evidence of excessive noise conditions, air quality problems)				
	excessive noise conditions, all quality problems)	4		None Apparent.	
Other	Exit stairs.				
		2	1957	The stairs to the basement is wood, open riser and unstable. The handrail is loose and dangerous.  All should be replaced.	\$1,800
				'	
	Overall Bldg Interior Condition & Estim Costs				\$13,300

Part II - Physical Condition

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).	3		The site drainage system is surface type system and is in poor condition. There is water accumulation around the building.	cost in 1.1.6 1.2.2
	Exterior plumbing systems (i.e., irrigation systems, hose bibs).			N/A	
4.1.3	Outside storage tanks.				
				N/A	
Other					
4.0	Fin Owner size Out to the				
4.2	Fire Suppression Systems		Bldg. Section	Description/Condition	
4.2.1	Fire hydrants and Siamese connections.				
				N/A	
4.2.2	Fire suppression systems (i.e., pumps, sprinklers, piping, reservoirs, hoses, stand pipes, CO2 systems).			N/A	
423	Hand extinguishers, blankets and showers (i.e., in				
1.2.0	CTS areas).	4	All	Fire extinguishers throughout the building are in fair condition.	
	Other special situations (e.g., flammable storage areas, science labs, CTS areas).			N/A	
Other					

Part II - Physical Condition

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.3	Water Supply and Plumbing Systems		Bldg. Section	Description/Condition	
4.3.1	Domestic water supply (i.e., pressure, volume, quality - note whether municipal or well supply).	5	All	Domestic water supply is from a dugout to a holding tank. The water pressure and volume is fine.	
4.3.2	Water treatment system(s).	5	All	There is a water filtration system that is very good.	
4.3.3	Pumps and valves (including Backflow prevention valves).	5	All	The domestic water circulation pumps and valves are in good condition.	
4.3.4	Piping and fittings.	4	All	All piping and fittings are in fair condition.	
4.3.5	Plumbing fixtures (i.e., toilets, urinals, sinks)	4		All plumbing fixtures have individual isolation valves, meet all code requirements and are in fair condition.	
	Domestic hot water system (i.e., heater, storage tanks, failure alarms, pressure, volume, recirculation).	4		The domestic hot water system consists of one (1) John Wood natural gas fired heater. The capacity and conditions are good.	
	Sanitary and storm sewers, including sumps and pits (note whether sewage system is municipal or septic).	4	All	The sanitary sewer system including sumps and pits is to septic tanks then to a lagoon and is in fair condition.	
Other					

#### Part II - Physical Condition

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.4	Heating Systems		Bldg.	Description/Condition	
4.4.1	Heating capacity and reliability (including backup capacity).	4	All	The existing heating system consists of three (3) American Standard furnaces serving the Gym and Shower Room. There are eight (8) American Standard Furnaces, one for each classroom, one for the washrooms, and one for the staff area. All have good capacities and are in good condition.	
4.4.2	Heating controls (including use of current energy management technology.	4	All	Each furnace is individually controlled by a thermostat.	
4.4.3	Fresh air for combustion and condition of the combustion chimney.	4	All	The existing combustion air is sufficient and the chimneys are in good condition.	
4.4.4	Treatment of water used in heating systems.	4	All	There is a water filtration system that is in very good condition.	
4.4.5	Low water cutoff/pressure relief valves and failure alarms (i.e., hot water heating).			N/A	
4.4.6	Heating air filtration systems and filters.	4	All	All cartridge filters are clean and in fair condition.	
4.4.7	Heating humidification systems and components.	N/A	All	There is no humidification system.	

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Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.4	Heating Systems (cont'd)		Bldg. Section	Description/Condition	
	Heating distribution systems (i.e., piping, ductwork) and associated components (i.e., diffusers, radiators).	4		There is some ductwork in the crawl space from the original building that is questionable, but not in immediate need of replacement at this time. The rest of the heating distribution system is in good condition.	
4.4.9	Heating piping, valve and/or duct insulation.	4	All	The thermal insulation on the existing ductwork and piping system is in good condition.	
4.4.10	Heat exchangers.			N/A	
4.4.11	Heating mixing boxes, dampers and linkages.			N/A	
4.4.12	Heating distribution/circulation in larger spaces (i.e., user comfort, temperature of outside wall surfaces).	4	All	The heating distribution system and circulation serving the gym is in good condition.	
4.4.13	Zone/unit heaters and controls.	4		All unit heaters and entrance forced flow heaters are complete with thermostats and are in good condition	
Other					

### Part II - Physical Condition

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.5	Ventilation Systems		Bldg.		
4.5.1	Air handling units capacity and condition.		Section	<u>Description/Condition</u>	
		4		The existing ventilation system consists of three (3) American Standard furnaces serving the Gym and Shower Room. There are eight (8) American Standard Furnaces, one for each classroom, one for the washrooms, and one for the staff area. All have good capacities and are in good condition.	
4.5.2	Outside air for the occupant load (if possible, reference CFM/occupant).	4	All	The existing furnaces are able to meet minimum 15CFM/ person of outside air.	
	Air distribution system (if possible, reference number of air changes/hour).	4		The air distribution system is via crawl space. The air changes provided to each classroom are set at minimum 6 and for the Gym are set at 4. All air changes are fine.	
4.5.4	Exhaust systems capacity and condition.	4	All	All exhaust fans have sufficient capacity and are in good condition.	
4.5.5	Separation of out flow from air intakes.	4	All	Are set at min. 10 Ft. which is acceptable.	
4.5.6	Special/dedicated ventilation and/or exhaust systems (i.e., kitchen, labs, CTS areas).			N/A	
Other				N/A	

Part II - Physical Condition

Section 4	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.5	Ventilation Systems (cont'd)		Bldg.	Description/Condition	
	Note: Only complete the following items if there are separate ventilation and heating systems.		Section	Description/Condition	
4.5.7	Ventilation controls (including use of current energy management technology).				
				N/A	
4.5.8	Air filtration systems and filters.				
				N/A	
4.5.9	Humidification system and components.				
				N/A	
4540					
4.5.10	Heat exchangers.			N/A	
				N/A	
	Ventilation distribution system and components (i.e., ductwork, diffusers, mixing boxes, dampers, linkages).				
	mnagos).			N/A	
Other					

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	Mechanical Systems	Rating		Comments/Concerns	Estim. Cost
4.6	Cooling Systems		Bldg. Section	Description/Condition	
4.6.1	Cooling system capacity and condition (i.e., chillers, cooling towers, condensers).			N/A	
	Cooling distribution system and components (i.e., ductwork, diffusers, mixing boxes, dampers, linkages)			N/A	
	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					
4.7	Building Control Systems		Bldg.	Description/Condition	
	Building wide/system wide control systems and/or energy management systems.		Section	N/A	
	Overall Mech. Systems Condition & Estim. Costs				

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	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.1	Site Services				
5.1.1	Primary service capacity and reliability (i.e., access, location, components, installation, bus sizes - note whether overhead or underground).	4		Overhead secondary service from pole mounted transformer located east of the school.	
5.1.2	Site and building exterior lighting (i.e., safety concerns).	2		Incandescent canopy lights at the entrances. Pole mounted luminaires in the parking lot and playground. Poor security lighting.	\$3,500
5.1.3	Vehicle plug-ins (i.e., number, capacity, condition).	2		6 energized parking stalls. Receptacles mounted in metal post. Posts are rusted, in poor condition.	\$1,800
Other					
5.2	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).	2	All	Edwards 1527, single zone, fire alarm control panel, located in the corridor storage room. Pull stations, fire detectors and bells throughout school. System does not meet building code.	\$10,000
5.2.2	Emergency lighting systems (i.e., safety concerns, condition).	4	All	Battery packs c/w integral and remote heads.	
5.2.3	Exit lighting and signage (i.e., safety concerns, condition).	4	All	Metal stencil face EXIT lights. Incandescent lamps. EXITS tied into battery packs.	
Other					

### Part II - Physical Condition

	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.3	Power Supply and Distribution		Bldg. Section	Description/Condition	
5.3.1	Power service surge protection.	3	All	Main distribution panel in the corridor storage room. Square D - 400 amp - 120/208 volt - 3 phase, 4 wire. Molded case main breaker (400 amp) and sub-breakers. Maximum demand 20KVA (56 amp).  Adequate capacity. No surge protection.	\$3,500
5.3.2	Panels and wireways capacity and condition.	4	All	Square D 120/208V - 3 phase, 4 wire panels throughout school. Panels have spaces available, except for panel A which is full.	
5.3.3	Emergency generator capacity and condition and/or UPS (if applicable).			N/A	
5.3.4	General wiring devices and methods.	4	All	Adequate amount of duplex receptacles.	
5.3.5	Motor controls.	4	All	Loose motor starters throughout school.	
Other					

### Part II - Physical Condition

Section 5	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.4	Lighting Systems		Bldg. Section	Description/Condition	
5.4.1	Interior lighting systems and components (i.e., illumination levels, conditions, controls).	3	All	Fluorescent lighting throughout school. Recessed, 2x4, 2 lamp and 4 lamps, acrylic lenses in corridors, offices, general office and library.  Gymnasium has 2 lamp, surface mounted, gym. liter fixtures. Change rooms have 2 lamp, 4 foot wraparound fixtures.  Lighting levels in the gymnasium and corridors are low. Classrooms and offices are within recommendations.	See 5.4.3
	Replacement of ballasts (i.e., health and safety concerns).	4	All	Ballasts are Electro-magnetic, T-12 types.	
5.4.3	Implementation of energy efficiency measures and recommendations.	3	All	Replace lamps with T-8 lamps and ballasts with T-8 electronic types.	\$35,000
Other					

### Part II - Physical Condition

Section 5	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.5	Network and Communication Systems		Bldg. Section	Description/Condition	
5.5.1	Telephone system and components (i.e., capacity, reliability, condition).	4	All	The telephone system is a NEC Electro-Elite 48 phone system and is adequate. Equipment located in the basement storage room.	
5.5.2	Other communication systems (i.e., public address, intercom, CCTV, satellite or cable TV).	3	All	Rauland MCI 350 Analog system. Console in the general office. Return call switches in the classrooms.  System is obselete and not functional.  System to be replaced with micro processor type.	\$10,000
5.5.3	Network cabling (if available, should be category 5 or better).	4	All	DATA cabling is category 5 in classrooms, library and computer room.	
5.5.4	Network cabling installation (i.e., in conduit, secured to walls or tables).	4	All	DATA cabling in conduit and free air.	
5.5.5	Wiring and telecommunication closets (i.e., size, security, ventilation/cooling, capacity for growth).	4	All	Server located in the library. Adequate capacity.	
5.5.6	Provision for dedicated circuits for network equipment (i.e., hubs, switches, computers).	4	All	Dedicated circuits for computers and server.	
Other					

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	Electrical Systems	Rating		Comments/Concerns	Estim. Cost
5.6	Miscellaneous Systems		Bldg.		
561	Site and building surveillance system (if applicable).		Section	<u>Description/Condition</u>	
3.0.1	one and building surveillance system (if applicable).				
				N/A	
5.6.2	Intrusion alarms (if applicable).				
		4	All	A magnum alert security panel located in the corridor storage room adjacent fire alarm panel. Keypad located at the main entrance. PIR detectors throughout school.	
				Troppad located at the main oritance. The decoders throughout consol.	
5.6.3	Master clock system (if applicable).				
				N/A	
Other					
	Elevators/Disabled Lifts (If applicable)				
5.7.1	Elevator/lift size, access and operating features (i.e., sensing devices, buttons, phones, detectors).				
	,			N/A	
5.7.2	Condition of elevators/lifts.				
5.7.3	Lighting and ventilation of elevators/lifts.				
Other					
]					
	Overall Elect. Systems Condition & Estim Costs				\$63,800

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.			
	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	
	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			

			This Fa	acility	Equiv. New Facility			Surplus/		
Section 7	Space Adequacy	No.	Size	Total Area	No.	Size	Total Area	Deficiency	Comments/Concerns	
7.1	Classrooms	4	74.51	298.04	3	80	240	58.04		
7.2	Science Rooms/Labs									
	Ancillary Areas (i.e., Art, Computer Labs, Drama, Music,)	1		72.33	1	130	220	-147.67		
7.4	Gymnasium (incl. gym storage)	1		288	1	25 250	275	13		
7.5	Library/Resource Areas	1		82.5	1	80	80	2.5		
	Administration/Staff, Physical Education, Storage Areas			98			170	-72		
	CTS Areas 7.7.1 Business Education									
	7.7.2 Home Economics									
	7.7.3 Industrial Arts									
	7.7.4 Other CTS Programs									
	Other Non-Instructional Areas (i.e., circulation, wall area, crush space, wc area)			430.45			353	77.45		
	Overall Space Adequacy Assessment			1269.32			1338	-68.68		

Evaluation Component/ Sub-Component	Additional Notes and Comments

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Schoo	I : Bonanza
Date :	March 8/00

Evaluation Component/ Sub-Component	Additional Notes and Comments

Evaluation Component/ Sub-Component	Additional Notes and Comments

;	Scho	0	۱:	Bon	anz	a
	Date	:	M	arch	8/0	0

Evaluation Component/ Sub-Component	Additional Notes and Comments

Alberta Infrastructure School Facilities Branch

# School Facility Evaluation Project Part II - Physical Condition

Additional Notes and Comments
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