# School Facility Evaluation Project

Sc	chool Name:	Schuler S	School			School Code:	6807
Lo	Location: Schuler School			Facility Code:	194		
	egion:	South					Mr. Keith Jones
Ju	urisdiction:	Prairie Ro		onal			Mr. Brian Frey
		Division N	No. 8			Telephone:	(403) 527-5516
Gr	rades:	1 - 9				School Capacity:	175
Building Se	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 B		1949	2	682.3	Wood frame floors & roof. Masonry exterior walls with stucco finish. Basement	Upgrade hot water heating system.	
Additions/ Expansions		1955	1		Wood frame floor & roof. Wood frame exterior walls with stucco finish. Crawlspace.	Same as above.	
		1960	1		Wood frame floor & roof. Wood frame exterior walls with stucco finish. Crawlspace.	Same as above.	
		1986	1		Wood frame roof. Wood frame exterior walls with stucco finish. Concrete slab-on-grade floor.	Same as above.	
 Total Building Area				2048.3			
						Evaluator's Name:	David R. Coupland
						& Company:	CJC Architects Inc.

Upgrading/ Modernization (identify whether minor or major)	1986	2	144.9	No change		Classrooms 05 and 06 changed to one ancillary. (This information obtained from "Standard Assessment & Utilization Report, dated November 5, 1999). Not shown on mini plans.
Portable Struct. (identify whether attached/perman. or free-standing/ relocatable)	N/A					
List of Reports/ Supplementary Information			diction: Fire Ala erials Reports.		tion Report, dated August 19, 1999.	No Roof Inspection Report. No Code

# School Facility Evaluation Project

Part III -	Space	Adequacy
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Evaluation Components	Summary Assessment	Estim. Cost
1 Site Conditions	Landscape maintenance, drainage concerns, additional car plug-ins and sidewalk repairs and replacement.	\$91,000.00
2 Building Exterior	Seepage at Basement and crawlspace, repairs to exterior finishes, minor door and window repairs. N.B.: Further investigation recommended for seepage problems and roof inspection.	\$168,500.00
3 Building Interior	Repairs to floor, wall and ceiling finishes, minor door and millwork upgrades and stair guardrail upgrades. N.B.: Further investigation recommended for Code compliance and hazardous material.	\$85,500.0
4 Mechanical Systems	Mechanical is generally good. The heating system has been retrofitted. No ventilation or air conditioning in the school. Ventilation needs to be added.	\$102,415.0
5 Electrical Systems	School generally acceptable. School due for lighting retrofit. Some panels need upgrading. The lighting retrofit cost is not included in this price.	\$11,400.0
6 Portable Buildings		N/A
7 Space Adequacy:		
7.1 Classrooms	36.2 s.m. surplus	
7.2 Science Rooms/Labs	22.3 s.m. surplus	
7.3 Ancillary Areas	114.4 s.m. surplus	
7.4 Gymnasium	66.9 s.m. deficiency	
7.5 Library/Resource Areas	23.1 s.m. deficiency	
7.6 Administration/Staff Areas	41.5 s.m. deficiency	
7.7 CTS Areas	4.2 s.m. surplus	
7.8 Other Non-Instructional Areas (incl. gross-up)	65.7 s.m. surplus	
Overall School Conditions & Estim. Costs		\$458,815.00

Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.1	General Site Conditions			
1.1.1	Overall site size.	4	Adequate for Educational/Functional needs. Expansion possible.	
1.1.2	Outdoor athletic areas.	4	Soccer Field, two (2) Tennis Courts - asphalt paved, with two (2) Basketball "Half Courts" - asphalt paved.  Grass running track around soccer field. Two (2) Baseball Diamonds on West side of school. One (1)  Baseball Diamond c/w chain link fence on North side of school.	
1.1.3	Outdoor playground areas, including condition of equipment and base.	4	Adventure playground equipment with 6" x 6" treated timber surrounding it, with pea gravel base.	
1.1.4	Site landscaping.	3	Grassed areas only. Grassed areas require maintenance. Does not have an underground irrigation system.	\$10,000.00
1.1.5	Site accessories (i.e., perimeter and other fencing, guard rails, bike stands, flag poles).	4	Chain link fencing around basketball/tennis courts. Painted metal pipe flagpole that can be lowered for maintenance work.	
1.1.6	Surface drainage conditions (i.e., drains away from building, signs of ponding).	3	Surface drainage drains towards building. Sidewalk on South and East sides of building prevent water from draining away from building. Sidewalks should be removed, site re-graded, and sidewalks replaced so as not to block drainage away from building.	\$50,000.00
1.1.7	Evidence of sub-soil problems.	-	No problems noted.	
1.1.8	Safety and security concerns due to site conditions.	-	None identified.	
Other		3	24' x 26' Storage Garage - asphalt shingles - good condition. Some broken vinyl siding. 8' x 10' Storage Shed - asphalt shingles - good condition. Painted plywood requires work.	\$2,000.00
12	Access/Drop-Off Areas/Roadways/Bus Lanes	1	Refer to 1.2.2	

Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.2.1	Vehicular and pedestrian access points (i.e., size, number, visibility, safety).	4	Two (2) vehicle access points for gravel road. One (1) public pedestrian access point. Circulation on site & bus drop off out of way of parking area. Pedestrian sidewalk crosses on site bus drop off road. No evidence of congestion	
1.2.2	Surfacing of on-site road network (note whether asphalt or gravel).	3	Gravel parking and roadways - acceptable, but minor regrading required to eliminate ponding.	\$15,000.00
1.2.3	Bus lanes/drop-off areas (note whether on-site or off-site).	4	On-site - does not block parking areas and does not conflict with pedestrian circulation.	
1.2.4	Fire vehicle access.	4	Gravel on-site road - acceptable. Fire vehicle access not marked.	
1.2.5	Signage.	4	School name on building - clear and visible from street.	
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	Ten (10) staff parking stalls - (estimate) no lines provided. Parking area is very large & could accommodate twice as many cars. Gravel surface does not provide for disabled persons. Five (5) stalls with car plug-ins provided. Five (5) more should be provided.	\$5,000.00
1.3.2	Layout and safety of parking lots.	4	Single loaded - could be double loaded if required for additional stalls. No safety problems.	
1.3.3	Surfacing and drainage of parking lots (note whether asphalt or gravel).	3	Gravel Drains to low spots on site and to ditch at perimeter of site. Some ponding. Refer to Item 1.2.2.	
1.3.4	Layout and safety of sidewalks.	4	Concrete sidewalks on North, South and East sides of building. Concrete sidewalk from South-west side of building to public street. Bus drop off route crosses this main sidewalk connection.	
1.3.5	Surfacing and drainage of sidewalks (note type of material).	3	Concrete sidewalk drains to low spots on site and prevents surface drainage away from building. North side of building downspouts drain under grates in sidewalk, but ground surface does not allow proper drainage onto grassed areas - troughs cut into ground which only pools water on North side of sidewalk. Refer to Item 1.1.6. Cracked sidewalk at Main Entrance should be replaced.	\$3,000.00
1.3.6	Curb cuts and ramps for barrier free access.	3	No curb cuts. Barrier-free access not provided. Concrete sidewalk would have to be extended to Main Entrance.	\$6,000.00
Other				
	Overall Site Conditions & Estimated Costs			\$91,000.00

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
2.1	Overall Structure		Bldg.	<u>Description/Condition</u>	
2.1.1	Floor structure and beams (i.e., signs of bending, cracking, heaving, settlement, voids, rust, stains).	3	Section 1949	Main floor - wood frame. Second floor - wood frame. Basement - slab on grade - alkali damage. Concrete slab to be replaced with sulphate resistant concrete.	\$35,000.00
			1955	Main floor - wood frame over crawl space. Dirt crawlspace requires damp-proofing with 150 um poly covered with 50 mm sand. Gets wet in spring.	\$50,000.00
			1960	Main floor - wood frame over crawl space. Dirt crawlspace requires damp-proofing with 150 um poly covered with 50 mm sand. Gets wet in spring.	\$30,000.00
2.1.2	Wall structure and columns (i.e., signs of bending, cracking, settlement, voids, rust, stains).	F.I.	1949	No signs of structural damage to walls & columns other than 1949 alkali damage to basement foundation walls. Further investigation required to basement foundation walls to assess structural integrity and method of correction.	
		3	1949	Room 101 - moisture problem, needs paint.	\$1,000.00
2.1.3	Roof structure (i.e., signs of bending, cracking, voids, rust, stains).	4	All	Built-up flat roof wood frame for all sections. Roof investigation report required.	
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 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).	F.I.		Roof inspection report required. Roof is supposedly in good condition. Eight (8) to ten (10) years old.	
	Roof accessories (i.e., ladders, stairs, hatches, masts, exhaust hoods, chimneys, gutters, downspouts, splashpads).	з	All	PVC Downspouts connected to roof scuppers. Concrete splashpads not provided at all locations. Roof not accessed at this time.	\$500.00
2.2.3	Control of ice and snow falling from roof.	N/A	All	Not applicable, flat roof.	
	Skylights (i.e., signs of distress, leaks, ice build-up, condensation, deteriorated materials/seals).	N/A	All	None.	
Other					

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).	3	All	All exterior walls stucco finished on concrete block or wood frame construction. Stucco finish damaged on all sections. 1949 Section has a lot of damage.	\$40,000.00
2.3.2	Fascias, soffits, parapets (i.e., signs of looseness, stains, rust, peeling paint).	4	All		
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 problems noted.	
2.3.4	Interface of roof drainage and ground drainage systems.	3	All	None. Roof Drainage handled with downspouts from scuppers emptying onto ground. Spalsh pads not provided. Ground surface does not drain away from building. Refer to Items 1.1.6 and 2.2.2.	
2.3.5	Inside faces of exterior walls (i.e., signs of cracks, water stains, dust spots).	3	1949	Peeling paint and cracks in drywall and plaster requiring patching and re-painting.	\$5,000.00
Other					
2.4	Exterior Doors and Windows		Bldg. Section	Description/Condition	
2.4.1	Doors (i.e., signs of deterioration, rusting metal, glass cracks, peeling paint, damaged seals, sealed unit failure).	3	All	Exterior doors require painting.	\$3,000.00

Section 2	Building Exterior	Rating		Comments/Concerns	Estim. Cost
2.4.2	Door accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	4	All	Good condition.	
2.4.3	Exit door hardware (i.e., safety and/or code concerns).	4	All	Good condition.	
2.4.4	Windows (i.e., signs of deterioration, rusting metal, glass cracks, peeling paint, damaged seals, sealed unit failure).	3	1949	Ten (10) sealed units to be replaced. Aluminum framed windows in good condition.	\$3,000.00
2.4.5	Window accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	3	1955	Library - wood casing around window opening to be replaced and painted.	\$1,000.00
2.4.6	Building envelope (i.e., signs of heavy condensation on doors or windows).	4	All	None noted.	
Other					
	Overall Bldg Exterior Condition & Estim Costs				\$168,500.00

Section 3	Building Interior - Overall Conditions	Rating		Comments/Concerns	Estim. Cost
3.1	Interior Structure		Bldg. Section	<u>Description/Condition</u>	
	Interior walls and partitions (i.e., signs of cracks, spalling, paint peeling).	3	1949	Paint severly peeling, especially at chimney enclosure. Walls need patching and re-painting. Wall very poorly plastered - many uneven areas.	\$15,000.00
			1955	Minor cracking in some walls. Kitchen - large crack in South-east corner of Room 116.	\$3,000.00
3.1.2	Floors (i.e., signs of cracks, heaving, settlement).	3	1949	Upper Floor - okay. Lower floor - all floor finishes to be removed. Alkali remediation required to concrete slab and new floor finishes applied. All other floors appear to be sound. Refer to Item 2.1.1.	
Other		4	1949	Basement - all conduits & plumbing exposed and painted.	
3.2	Materials and Finishes		Bldg. Section	Description/Condition	
3.2.1	Floor materials and finishes.	3	1949	Upper floor - Marmoleum finish. Basement - alkali damage to concrete floor requires new floor finish.	\$10,000.00

Section 3	Building Interior - Overall Conditions	Rating		Comments/Concerns	Estim. Cost
		4	1955	Marmoleum throughout, except carpet in Library. Gymnasium floors - hardwood with wood base.	
			1960	Marmoleum throughout. Vestibules - painted concrete slab.	
			1986	Ceramic tiles - Girls and Boys Shower/Change Rooms.	
			All	All corridors are marmoleum with wood base.	
3.2.2	Wall materials and finishes.	3	1949	Upper level - drywall and plaster, painted, paint peeling. Lower floor - alkali damage to concrete walls, require repainting when problem resolved. Refer to Items 2.1.2 and 3.1.1.	\$5,000.0
			1955	Painted drywall and prefinished wall board. Some re-painting required, especially on the painted prefinished wallboard. Gymnasium walls peeling - require repainting.	\$8,000.0
			1960	Painted drywall and prefinished wall board. Some re-painting required, especially on the painted prefinished wallboard.	\$5,000.0
		4	1986	Ceramic tiles - Girls and Boys Shower/Change Rooms.	
		3	All	All corridors are painted drywall and painted pre-finished wallboard. Repainting required, especially on pre-finished wallboard.	\$5,000.0
3.2.3	Ceiling materials and finishes.	3	1949	Upper level - acoustic tile. Lower floor - suspended drywall with joint tape bubbled, repairs are required.	\$5,000.0
			1955	Painted suspended drywall. Gym ceiling is 300 x 300 mm acoustic tile, adhered to substrate. Minor repairs required. North-west corridor sealing - some water damage.	\$5,000.0
			1960	$300 \times 300$ mm surface applied acoustic panels to drywall. A few acoustic tiles need to be reglued in place.	\$1,000.0
		4	1986	Painted suspended drywall.	
		3	All	All corridors painted suspended drywall. Some minor repairs.	\$2,000.0
3.2	Materials and Finishes (cont'd)		Bldg. Section	Description/Condition	
3.2.4	Interior doors and hardware.	3	1949	Doors 003 and 004 needs painting	\$1,000.0
			1955	Room 116, Kitchen door rubbing frame on top strike side of door. Hinge sprung.	\$1,000.0
			1955	Door to Gymnasium Storage Room needs repairing and requires new lockset.	\$1,000.0

Part III -	Space	Adequacy
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Section 3	Building Interior - Overall Conditions	Rating		Comments/Concerns	Estim. Cost
3.2.5	Millwork	3	1949	Room 102, ECS and Room 101, Grades 5 & 6 - millwork counters old and need replacing.	\$5,000.00
			1955	Old millwork in Room 116, Kitchen should be replaced.	\$3,000.00
			1960	Room 123 - cupboard doors need repair.	\$500.00
3.2.6	Fixed/wall mounted equipment (i.e., writing boards, tackboards, display boards, signs).	3	1955	Room 118 - chalkboard to be replaced.	\$1,000.00
3.2.7	Any other fixed/mounted specialty items (i.e., CTS equipment, gymnasium equipment).	4	1955	Basketball backboards are height adjustable.	
3.2.8	Washroom materials and finishes.	4	1986	Good condition. Boys and Girls Shower/Change Rooms have ceramic tile floors and walls, with painted drywall ceilings.	
		3	1986	Boys shower is gang type. This should be changed to individual stalls.	\$6,000.00
Other					
3.3	Health and Safety Concerns Intent is to		Bldg.	Description/Condition	
	identify renovations considered necessary to 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 required.	F.I.	All	No reports available. Building Code should be reviewed as to exiting from basement classrooms.	
3.3.1	Building construction type - combustible or non- combustible, sprinklered or non-sprinklered.	4	All	Combustible construction - non sprinklered.	

Section 3	Building Interior - Overall Conditions  Pire separations (i.e., between buildings, wings, zones if non-sprinklered).	Rating	Comments/Concerns			
3.3.2		4	All	Appear to be present.		
3.3.3	Fire resistance rating of materials (i.e., corridor walls and doors).	4	All	Appear to be provided.		
3.3.4	Exiting distances and access to exits.	4	All	Appears to be adequate.		
3.3.5	Barrier-free access.	3		Barrier-free access available at main entrance, but access from car or street is through a gravel yard. Refer to Item 1.3.6.		
3.3.6	Availability of hazardous materials audit (i.e., evidence of safety concerns with respect to asbestos, PCB's, chemicals).	F.I.	All	Report not available.		
3.3.7	Other health and safety concerns (i.e., evidence of excessive noise conditions, air quality problems)	F.I.		No ventilation at all.		
Other		2		Guardrails to two (2) interior stairs not 1140 mm high. Guardrails to be raised.	\$3,000.00	
	Overall Bldg Interior Condition & Estim Costs				\$85,500.00	

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.	N/A	No portables.	
	Foundation and structure (i.e., signs of bending, cracking, settlement, rust, voids, stains).			
	Roof materials and components (i.e., signs of deterioration, leaks, ice build-up).			
	Exterior wall finishes (i.e., signs of deterioration, cracks, water stains).			
	Doors and windows (i.e., signs of deterioration, rusting hardware, glass cracks, peeling paint, damaged seals).			
6.1.5	Interior finishes (i.e., floors, walls, ceiling).			
6.1.6	Millwork (i.e., counters, shelving, vanities, cabinets).			
	Fixed/wall mounted equipment (i.e., writing boards, tackboards, display boards, signs)			
6.1.8	Heating system.			
6.1.9	Ventilation system.			
6.1.10	Electrical, communication and data network systems.			
	Health and safety concerns (i.e., fire and smoke alarms, fire protection systems, exiting, fire resistance rating of materials).			
6.1.12	Barrier-free access.			
	Overall Portable Bldgs Condition & Estim Costs			

	Space Adequacy		This Fa	acility	Ed	uiv. Nev	v Facility	Surplus/ Deficiency	Comments/Concerns	
ection 7		No.	Size	Total Area	No.	Size	Total Area			
7.1	Classrooms	5.0		356.2	4.0	80.0	320.0	36.2	All areas are in square meters.	
7.2	Science Rooms/Labs	1.0		128.5	1.0		106.2	22.3		
7.3	Ancillary Areas (i.e., Art, Computer Labs, Drama, Music,)	5.0		379.4			265.0	114.4		
7.4	Gymnasium (incl. gym storage)	1.0		297.1			364.0	-66.9		
7.5	Library/Resource Areas	1.0	75.9	75.9	1.0		99.0	-23.1		
7.6	Administration/Staff, Physical Education, Storage Areas	-		241.6			283.1	-41.5		
7.7	CTS Areas									
	7.7.1 Business Education	1.0		56.2	1.0		52.0	4.2		
	7.7.2 Home Economics	-	-	-			-	-		
	7.7.3 Industrial Arts	-		-			-	-		
	7.7.4 Other CTS Programs	-		-			-	-		
7.8	Other Non-Instructional Areas (i.e., circulation, wall area, crush space, wc area)			513.4			447.7	65.7		
	Overall Space Adequacy Assessment	İ		2048.3			1937.0	111.3	Based on 55% Elementary and 45% Junior High enrollment.	