

School Name: RICHMOND ROAD
 Location: 2701 22 ST. S.W.
 Region: CALGARY SOUTH
 Jurisdiction: CALGARY SCHOOL DISTRICT #19
 Grades: K - 6

School Code: 9100
 Facility Code: 1429
 Superintendent: DR. DONNA MICHAELS
 Contact Person: LEANNE SOLIGO
 Telephone: (403) 214-1123
 School Capacity: 350

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	1950	1	2148.40	Frame, flat roof, stucco, metal siding, plywood panels	Steam heating system to unit ventiaaltors. Genreal exhaust system provided.	
Additions/ Expansions	1954	1	607.80	Frame, flat roof, stucco, metal siding, plywood panels	Served from base building system. An office renovation was recently completed.	
Total:			2756.20			

Evaluator's Name: NORMAN DOBELL
 & Company: NORMAN DOBELL & ASSOC. ARCH.

Upgrading/ Modernization (identify whether minor or major)	N/A					
Portable Struct. (identify whether attached/perman. or free-standing/ relocatable)	N/A					

List of Reports/ Supplementary Information	Facility Asbestos Manual
---	--------------------------

	Evaluation Components	Summary Assessment	Estim. Cost
1	Site Conditions	Pave parking lot and rehabilitate play areas	\$32,325
2	Building Exterior	Replace windows and hardware	\$273,000
3	Building Interior	Repaint interior, provide handicap washroom, replace accoustic tile	\$234,900
4	Mechanical Systems	While systems are generally in good working order, systems are 50 years old and past life expectancy.	\$395,000
5	Electrical Systems	Install surge protection on the electrical system. Install more receptacles in the corridors. Retrofit lighting throughout to improve colour rendition and efficiency. Door contacts need to be installed on all exterior doors.	\$166,000
6	Portable Buildings	N/A	\$0
7	Space Adequacy:		
	7.1 Classrooms	Surplus 91	
	7.2 Science Rooms/Labs	Surplus 6	
	7.3 Ancillary Areas	Deficient -170	
	7.4 Gymnasium	Deficient 162	
	7.5 Library/Resource Areas	N/A 0	
	7.6 Administration/Staff Areas	Deficient -254	
	7.7 CTS Areas	N/A 0	
	7.8 Other Non-Instructional Areas (incl. gross-up)	Deficient -192	
	Overall School Conditions & Estim. Costs	Deficient -681	\$1,101,225

Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.1	General Site Conditions			
1.1.1	Overall site size.	4	Adequate	
1.1.2	Outdoor athletic areas.	3	Rehabilitation required	\$10,000
1.1.3	Outdoor playground areas, including condition of equipment and base.	3	Water ponding in several areas of playfield (see 1.1.2)	
1.1.4	Site landscaping.	4	Trees and sod acceptable - mature	
1.1.5	Site accessories (i.e., perimeter and other fencing, guard rails, bike stands, flag poles).	4	Chain link fencing - perimeter of site	
1.1.6	Surface drainage conditions (i.e., drains away from building, signs of ponding).	4	Water drains away from building	
1.1.7	Evidence of sub-soil problems.	4	None noted	
1.1.8	Safety and security concerns due to site conditions.	4	None noted	
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	Access from main street, south side of building	
1.2.2	Surfacing of on-site road network (note whether asphalt or gravel).	4	Gravel approach from lane (see 1.3.1)	
1.2.3	Bus lanes/drop-off areas (note whether on-site or off-site).	4	Off-site	
1.2.4	Fire vehicle access.	4	From main street and parking lot	
1.2.5	Signage.	4	Metal - visible	
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 30 parking stalls; provide for handicap stall	\$17,325
1.3.2	Layout and safety of parking lots.	3	Requires upgrade (see 1.3.1)	
1.3.3	Surfacing and drainage of parking lots (note whether asphalt or gravel).	3	Gravel (see 1.3.1)	
1.3.4	Layout and safety of sidewalks.	4	Layout appears adequate	
1.3.5	Surfacing and drainage of sidewalks (note type of material).	4	Combination concrete and asphalt	
1.3.6	Curb cuts and ramps for barrier free access.	2	Provide curb cut and ramp	\$5,000
	Other			
	Overall Site Conditions & Estimated Costs			\$32,325

Section 2	Building Exterior	Rating	Comments/Concerns		Estim. Cost
			Bldg. Section	Description/Condition	
2.1	Overall Structure				
2.1.1	Floor structure and beams (i.e., signs of bending, cracking, heaving, settlement, voids, rust, stains).	FI		Wavy floor - Investigate for levelling	
2.1.2	Wall structure and columns (i.e., signs of bending, cracking, settlement, voids, rust, stains).	4		No apparent problems	
2.1.3	Roof structure (i.e., signs of bending, cracking, voids, rust, stains).	FI		Roof leaks noted on some tiles	
Other		3		Allowance for renovations required for boiler replacement	\$10,000

Section 2	Building Exterior	Rating	Comments/Concerns	Estim. Cost
2.2	Roofing and Skylights <i>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 states of repair.</i>			
			Bldg. Section or Roof Section	
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).	FI	See 2.1.3	
2.2.2	Roof accessories (i.e., ladders, stairs, hatches, masts, exhaust hoods, chimneys, gutters, downspouts, splashpads).	4	Masonry chimney - Review condition	
2.2.3	Control of ice and snow falling from roof.	4	Did not appear to be an issue	
2.2.4	Skylights (i.e., signs of distress, leaks, ice build-up, condensation, deteriorated materials/seals).	N/A		
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).	4		Combination stucco, metal siding, plywood panels, brick	
	2.3.2 Fascias, soffits, parapets (i.e., signs of looseness, stains, rust, peeling paint).	FI		Galvanized iron metal - requires further investigation	
	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		Acceptable	
	2.3.4 Interface of roof drainage and ground drainage systems.	4		Internal roof drain to municipal system	
	2.3.5 Inside faces of exterior walls (i.e., signs of cracks, water stains, dust spots).	4		No signs of stain or dusting	
	Other				

Section 2	Building Exterior	Rating	Comments/Concerns		Estim. Cost
	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		Original wood doors and frames - Replace	\$18,000
	2.4.2 Door accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	3		See 2.4.1	
	2.4.3 Exit door hardware (i.e., safety and/or code concerns).	3		See 2.4.1	
	2.4.4 Windows (i.e., signs of deterioration, rusting metal, glass cracks, peeling paint, damaged seals, sealed unit failure).	3		Original wood windows and frames - Replace	\$245,000
	2.4.5 Window accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	3		See 2.4.4	
	2.4.6 Building envelope (i.e., signs of heavy condensation on doors or windows).	3		Original wood windows with single glazing; storm windows mounted on exterior (see 2.4.4)	
	Other				
	Overall Bldg Exterior Condition & Estim Costs				\$273,000

Section 3 Building Interior - Overall Conditions		Rating	Comments/Concerns		Estim. Cost
3.1 Interior Structure			Bldg. Section	Description/Condition	
3.1.1	Interior walls and partitions (i.e., signs of cracks, spalling, paint peeling).	3		All walls require painting and/or refinishing (see 3.2.2)	
3.1.2	Floors (i.e., signs of cracks, heaving, settlement).	FI		Floor is wavy in several areas (see 2.1.1)	
Other					
3.2 Materials and Finishes			Bldg. Section	Description/Condition	
3.2.1	Floor materials and finishes.	4		Carpet and sheet vinyl in classrooms; hardwood floor in gym	
3.2.2	Wall materials and finishes.	3		Paint on plaster - requires refinishing	\$33,100
3.2.3	Ceiling materials and finishes.	2		Acoustic tile ceilings - replace	\$82,600

Section 3	Building Interior - Overall Conditions	Rating	Comments/Concerns		Estim. Cost
3.2	Materials and Finishes (cont'd)		Bldg. Section	Description/Condition	
3.2.4	Interior doors and hardware.	3		Wood doors and hardware original - Replace	\$36,900
3.2.5	Millwork	3		Original shelving and cabinets - Replace	\$38,300
3.2.6	Fixed/wall mounted equipment (i.e., writing boards, tackboards, display boards, signs).	4		Blackboards - replace with whiteboards	\$34,000
3.2.7	Any other fixed/mounted specialty items (i.e., CTS equipment, gymnasium equipment).	4		Gym equipment - Good	
3.2.8	Washroom materials and finishes.	4		Ceramic tile floor; painted walls and ceilings; metal toilet partitions	
Other					

Section 3 Building Interior - Overall Conditions		Rating	Comments/Concerns		Estim. Cost
3.3 Health and Safety Concerns --- <i>Intent is to 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.</i>			<u>Bldg. Section</u>	<u>Description/Condition</u>	
	3.3.1	4		Combustible, non-sprinklered	
	3.3.2	4		Doors provide separation by compartments	
	3.3.3	4		Appears to be compliant	
	3.3.4	4		Compliant	
	3.3.5	2		Provide handicap washroom	\$10,000
	3.3.6	FI		Further investigation due to age of building - review owner's manual	
	3.3.7	4		None evident	
	Other				
	Overall Bldg Interior Condition & Estim Costs				

Section 4	Mechanical Systems	Rating	Comments/Concerns		Estim. Cost
4.1	Mechanical Site Services				
4.1.1	Site drainage systems (i.e., surface and underground systems, catch basins).	4		Site drainage consists of grading to swales to run-off to streets.	
4.1.2	Exterior plumbing systems (i.e., irrigation systems, hose bibs).	4		Building has exterior hose bibbs.	
4.1.3	Outside storage tanks.	NA		Not applicable.	
	Other				
4.2	Fire Suppression Systems		Bldg. Section	Description/Condition	
4.2.1	Fire hydrants and siamese connections.	4		Street fire hydrant is located adjacent to school.	
4.2.2	Fire suppression systems (i.e., pumps, sprinklers, piping, reservoirs, hoses, stand pipes, CO2 systems).	4		Fire protection consists of 40 mm hose and hose reels tied to building service.	
4.2.3	Hand extinguishers, blankets and showers (i.e., in CTS areas).	4		Hand extinguishers located throughout.	
4.2.4	Other special situations (e.g., flammable storage areas, science labs, CTS areas).	NA		Not applicable.	
	Other				

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).	4		100 mm service from street, service runs to 50 mm meter. Service to building tied to municipal service.	
4.3.2	Water treatment system(s).	NA		Not applicable.	
4.3.3	Pumps and valves (including backflow prevention valves).	5		Backflow protection on all services recently completed.	
4.3.4	Piping and fittings.	4		All piping on domestic is reported to be in good shape for age of the facility. Lines are not insulated.	
4.3.5	Plumbing fixtures (i.e., toilets, urinals, sinks)	4		Fixtures are adequate. Require on going maintenance as necessary.	
4.3.6	Domestic hot water system (i.e., heater, storage tanks, failure alarms, pressure, volume, recirculation).	4		One new self contained hot water gas fired.	
4.3.7	Sanitary and storm sewers, including sumps and pits (note whether sewage system is municipal or septic).	4		Services tied to municipal mains.	
Other					

Section 4	Mechanical Systems	Rating	Comments/Concerns		Estim. Cost
4.4	Heating Systems		Bldg. Section	Description/Condition	
4.4.1	Heating capacity and reliability (including backup capacity).	2		Single Watrous low pressure boiler installed in 1950. Unit supplies heat for entire school. Unit operates well, but due to age, boiler should be considered for replacement.	\$130,000
4.4.2	Heating controls (including use of current energy management technology).	3		Controls are all pneumatic and to a large extent original. No current energy technology is employed. See controls item 4.7.1..	
4.4.3	Fresh air for combustion and condition of the combustion chimney.	4		Combustion air is in place and acceptable.	
4.4.4	Treatment of water used in heating systems.	4		Treatment systems are current.	
4.4.5	Low water cutoff/pressure relief valves and failure alarms (i.e., hot water heating).	4		Acceptable.	
4.4.6	Heating air filtration systems and filters.	NA		Not applicable.	
4.4.7	Heating humidification systems and components.	NA		Not applicable.	

Section 4	Mechanical Systems	Rating	Comments/Concerns		Estim. Cost
4.4	Heating Systems (cont'd)		Bldg. Section	Description/Condition	
4.4.8	Heating distribution systems (i.e., piping, ductwork) and associated components	2		School is all steam distribution and should be considered for replacement along with boiler. Piping is generally good. See heating. Refer to item 4.4.1.	
4.4.9	Heating piping, valve and/or duct insulation.	2		Generally steam piping insulated throughout, condensate lines are not and should be done if system is kept.	\$10,000
4.4.10	Heat exchangers.	NA		Not applicable.	
4.4.11	Heating mixing boxes, dampers and linkages.	3		Unit ventilators have mixing sections throughout and are prone to problems related to fresh air operations as well as proper distribution in rooms. See heating. Refer to item 4.4.1.	
4.4.12	Heating distribution/circulation in larger spaces (i.e., user comfort, temperature of outside wall surfaces).	3		Subject to some areas of discomfort due to unit ventilator performance and lack of any air in some areas. Refer to item 4.4.1.	
4.4.13	Zone/unit heaters and controls.	4		Generally ok.	
	Other				

Section 4	Mechanical Systems	Rating	Comments/Concerns		Estim. Cost
4.5	Ventilation Systems		Bldg. Section	Description/Condition	
4.5.1	Air handling units capacity and condition.	2		Has no air supply system, depends on unit ventilators in both classrooms and gym. Gym has gravity vents for summer use.	\$140,000
4.5.2	Outside air for the occupant load (if possible, reference CFM/occupant).	2		Could be acceptable if unit ventilators actually maintain outside air minimum. Refer to item 4.5.1.	
4.5.3	Air distribution system (if possible, reference number of air changes/hour).	2		Design of unit ventilators would give 6 to 7 air changes. This is less likely now due to age of equipment. Refer to item 4.5.1.	
4.5.4	Exhaust systems capacity and condition.	2		School has one central exhaust fan which exhausts classrooms, storage areas, and washrooms through common system. Gym has separate exhaust fan.	\$30,000
4.5.5	Separation of out flow from air intakes	4		Separation of exhaust and intakes is acceptable.	
4.5.6	Special/dedicated ventilation and/or exhaust systems (i.e., kitchen, labs, CTS areas).	NA		Not applicable.	
Other					

Section 4	Mechanical Systems	Rating	Comments/Concerns		Estim. Cost
4.5	Ventilation Systems (cont'd)		Bldg. Section	Description/Condition	
	<i>Note: Only complete the following items if there are separate ventilation and heating systems.</i>				
4.5.7	Ventilation controls (including use of current energy management technology).	3		School has no ventilation controls Refer to item 4.7.1..	
4.5.8	Air filtration systems and filters.	4		Unit ventilators have fiberglass filters.	
4.5.9	Humidification system and components.	NA		Not applicable.	
4.5.10	Heat exchangers.	NA		Not applicable.	
4.5.11	Ventilation distribution system and components (i.e., ductwork, diffusers, mixing boxes, dampers, linkages).	4		Exhaust distribution ductwork is good shape.	
Other					

Section 4 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).	NA		Not applicable.	
4.6.2	Cooling distribution system and components (i.e., ductwork, diffusers, mixing boxes, dampers, linkages)	NA		Not applicable.	
4.6.3	Cooling system controls (including use of current energy management technology).	NA		Not applicable.	
4.6.4	Special/dedicated cooling systems (i.e., labs, CTS areas).	NA		Not applicable.	
	Other				
4.7	Building Control Systems		Bldg. Section	Description/Condition	
4.7.1	Building wide/system wide control systems and/or energy management systems.	3		Building controls are pneumatic, no energy management, getting old. Major alarms are tied to off site monitoring.	\$85,000
Overall Mech Systems Condition & Estim. Costs					\$395,000

Section 5	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).	3	There are 2 existing main services. The primary service is 400A, 115/230 volt, 1 phase, 3 wire which supplies all the lighting and power receptacles. The second service is 60A, 208 volt, 3 phase, 3 wire which supplies some 3 phase pumps and fans. Both services are near the end of their lifecycle.	\$25,000
5.1.2	Site and building exterior lighting (i.e., safety concerns).	4	Exterior lighting is in good condition and also street lighting assists dark areas in compound area and west side do not seem to be a problem according to on site personnel.	
5.1.3	Vehicle plug-ins (i.e., number, capacity, condition).	4	Existing staff car stalls with power plugs are sufficient for school needs.	
	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).	1	Existing fire alarm system is old and does not meet requirements. Complete new system must be installed. No evidence of system audits.	\$35,000
5.2.2	Emergency lighting systems (i.e., safety concerns, condition).	1	Existing emergency lighting system does not meet current code requirements. Install new system as required.	\$13,000
5.2.3	Exit lighting and signage (i.e., safety concerns, condition).	1	Existing lighting system does not meet code. Install new exit lighting throughout as required.	\$5,000
	Other			

Section 5 Electrical Systems		Rating	Comments/Concerns		Estim. Cost
			Bldg. Section	Description/Condition	
5.3	Power Supply and Distribution				
5.3.1	Power service surge protection.	1		None present. Installation recommended.	\$1,500
5.3.2	Panels and wireways capacity and condition.	4		Panels and wireways are nearly 50 years old and close to capacity. Addition or replacement will be necessary for future additions. See item 5.1.1.	
5.3.3	Emergency generator capacity and condition and/or UPS (if applicable).	N/A			
5.3.4	General wiring devices and methods.	3		Existing wiring devices are in fair condition. Some areas require more devices (corridors).	\$1,000
5.3.5	Motor controls.	4		Loose starters are in good condition.	
Other					

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		Existing lighting system is in good condition and most light levels are acceptable. The system still uses T12 lamps. Levels are as follows: classroom +44 - +67, corridors +5 (not sufficient), gym +30, administration +76. More lighting required for corridors.	\$24,000
5.4.2	Replacement of ballasts (i.e., health and safety concerns).	4		Replacement of ballasts is done as required. Some may still have PCB content.	
5.4.3	Implementation of energy efficiency measures and recommendations.	3		Recommend existing fixtures to be retrofitted with T8 lamp technology.	\$60,000
Other					

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		Existing phone system is in good condition.	
5.5.2	Other communication systems (i.e., public address, intercom, CCTV, satellite or cable TV).	4		Existing P.A. system is in good condition.	
5.5.3	Network cabling (if available, should be category 5 or better).	4		All existing cabling is category 5 cabling.	
5.5.4	Network cabling installation (i.e., in conduit, secured to walls or tables).	4		Cabling has been installed in conduit.	
5.5.5	Wiring and telecommunication closets (i.e., size, security, ventilation/cooling, capacity for growth).	4		Equipment is installed in library storage room and even without ventilation size of room for the equipment is sufficient. No heating problems evident.	
5.5.6	Provision for dedicated circuits for network equipment (i.e., hubs, switches, computers).	4		Equipment is supplied with dedicated circuits.	
Other					

Section 5 Electrical Systems		Rating	Comments/Concerns		Estim. Cost
5.6	Miscellaneous Systems		Bldg. Section	Description/Condition	
5.6.1	Site and building surveillance system (if applicable).	N/A		None present.	
5.6.2	Intrusion alarms (if applicable).	3		Existing system is in good condition but there are no door contacts installed.	\$1,500
5.6.3	Master clock system (if applicable).	N/A			
	Other				
5.7 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.	N/A			
5.7.3	Lighting and ventilation of elevators/lifts.	N/A			
	Other				
Overall Elect. Systems Condition & Estim Costs					\$166,000

Section 6	Portable Buildings	Rating	Comments/Concerns	Estim. Cost
	<i>Note: Separate sheets can be completed, if necessary, for portable buildings of different ages and/or conditions.</i>	N/A		
6.1.1	Foundation and structure (i.e., signs of bending, cracking, settlement, rust, voids, stains).			
6.1.2	Roof materials and components (i.e., signs of deterioration, leaks, ice build-up).			
6.1.3	Exterior wall finishes (i.e., signs of deterioration, cracks, water stains).			
6.1.4	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).			
6.1.7	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.			
6.1.11	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			\$0

Section 7	Space Adequacy	This Facility			Equiv. New Facility			Surplus/ Deficiency	Comments/Concerns
		No.	Size	Total Area	No.	Size	Total Area		
7.1	Classrooms	12	VAR.	891	10	80	800	91	
7.2	Science Rooms/Labs	1		101	1		95	6	
7.3	Ancillary Areas (i.e., Art, Computer Labs, Drama, Music,)	2	VAR.	140	1 2	130 90	310	-170	
7.4	Gymnasium (incl. gym storage)	1		311	1		473	-162	
7.5	Library/Resource Areas	1		160	1		160	0	
7.6	Administration/Staff, Physical Education, Storage Areas			127			381	-254	
7.7	CTS Areas								
	7.7.1 Business Education								
	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)			615			807	-192	
	Overall Space Adequacy Assessment	17		2345	15		3026	-681	