

School Facility Evaluation Project
Part III - Space Adequacy

School Name:	MIDSUN JR. HIGH SCHOOL			School Code:	348	
Location:	660 SUNMILLS DR. S.E.			Facility Code:	105	
Region:	CALGARY SOUTH			Superintendent:	DR. DONNA MICHAELS	
Jurisdiction:	CALGARY SCHOOL DISTRICT #19			Contact Person:	LEANNE SOLIGO	
				Telephone:	(403) 214-1123	
Grades:	7-9			School Capacity:	815	
Building Section	NA	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	1998	2	7171.82	Masonry, Built-up flat roof, Brick and stucco exterior.	Perimeter hot water heating system with rooftop units and low velocity duct distribution. Mechanical cooling is provided.	
Additions/ Expansions						
Total:			7171.82			
				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 Report					

School Facility Evaluation Project
Part III - Space Adequacy

	Evaluation Components	Summary Assessment			Estim. Cost
1	Site Conditions	Site development excellent.			\$0
2	Building Exterior	No problems or deficiencies encountered.			\$0
3	Building Interior	Interior excellent - no upgrading or replacement necessary.			\$0
4	Mechanical Systems	School is less than 3 years old. All mechanical systems are current design and well maintained. No upgrades are recommended.			\$10,000
5	Electrical Systems	Install surge protection on the electrical system. Door contacts should be installed on all exterior doors. Exterior lighting could be upgraded to improve security. Corridor doors should have automatic hold open devices that release on the fire alarm.			\$6,700
6	Portable Buildings	NA			\$0
7	Space Adequacy:				
	7.1 Classrooms	Surplus	175		
	7.2 Science Rooms/Labs	Deficient	-61		
	7.3 Ancillary Areas	Surplus	25		
	7.4 Gymnasium	Surplus	57		
	7.5 Library/Resource Areas	Deficient	-90		
	7.6 Administration/Staff Areas	Deficient	-310		
	7.7 CTS Areas	Deficient	-523		
	7.8 Other Non-Instructional Areas (incl. gross-up)	Surplus	91		
	Overall School Conditions & Estim. Costs	Deficient	-636		\$16,700

Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.1	General Site Conditions			
1.1.1	Overall site size.	4	Shared with Elementary School. Adequate	
1.1.2	Outdoor athletic areas.	4	Play field - well grassed	
1.1.3	Outdoor playground areas, including condition of equipment and base.	N/A		
1.1.4	Site landscaping.	4	Well landscaped	
1.1.5	Site accessories (i.e., perimeter and other fencing, guard rails, bike stands, flag poles).	4	New - in good repair.	
1.1.6	Surface drainage conditions (i.e., drains away from building, signs of ponding).	4	No signs of ponding	
1.1.7	Evidence of sub-soil problems.	4	None	
1.1.8	Safety and security concerns due to site conditions.	4	No concerns	
Other		NA		

Section 1	Site Conditions	Rating	Comments/Concerns	Estim. Cost
1.2	Access/Drop-Off Areas/Roadways/Bus			
1.2.1	Vehicular and pedestrian access points (i.e., size, number, visibility, safety).	4	Access from public street. On site access available for handicapped.	
1.2.2	Surfacing of on-site road network (note whether asphalt or gravel).	4	Asphalt - good repair.	
1.2.3	Bus lanes/drop-off areas (note whether on-site or off-site).		Off-site on public street	
1.2.4	Fire vehicle access.	4	Good access - building totally accessible.	
1.2.5	Signage.	4	Adequately signed - Front of building.	
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).	4	52 Stalls - adequate parking for staff, visitors, handicap, etc.	
1.3.2	Layout and safety of parking lots.	4	Appear safe. Away from playground areas.	
1.3.3	Surfacing and drainage of parking lots (note whether asphalt or gravel).	4	Asphalt - good drainage.	
1.3.4	Layout and safety of sidewalks.	4	No apparent problems with sidewalks on site.	
1.3.5	Surfacing and drainage of sidewalks (note type of material).	4	Concrete - new - good drainage.	
1.3.6	Curb cuts and ramps for barrier free access.	4	Curb cuts and ramp provided for barrier free access.	
Other				
	Overall Site Conditions & Estimated Costs			\$0

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		Concrete slab on grade - no apparent problems	
2.1.2	Wall structure and columns (i.e., signs of bending, cracking, settlement, voids, rust, stains).	4		Concrete block - no apparent problems.	
2.1.3	Roof structure (i.e., signs of bending, cracking, voids, rust, stains).	4		No evidence of problems.	
Other					

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	Description/Condition/Age	
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).	4		New roof - Initial problems with minor leaks have been resolved.	
2.2.2	Roof accessories (i.e., ladders, stairs, hatches, masts, exhaust hoods, chimneys, gutters, downspouts, splashpads).	5		Excellent repair.	
2.2.3	Control of ice and snow falling from roof.	N/A		Flat roof - no problems.	
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).			Brick and stucco - good repair except for minor joint crack noted in stucco at rear of building.	
2.3.2	Fascias, soffits, parapets (i.e., signs of looseness, stains, rust, peeling paint).	5		New building - excellent condition.	
2.3.3	Building envelope (i.e., evidence of air infiltration/ exfiltration through the exterior wall or ice build up on wall, eaves, canopy).	5		No problems evident.	
2.3.4	Interface of roof drainage and ground drainage systems.	5		Internal roof drainage to municipal system.	
2.3.5	Inside faces of exterior walls (i.e., signs of cracks, water stains, dust spots).	5		New building - no signs of deterioration.	
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).	5		Good repair.	
2.4.2	Door accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	5		Good working order.	
2.4.3	Exit door hardware (i.e., safety and/or code concerns).	5		Appears compliant.	
2.4.4	Windows (i.e., signs of deterioration, rusting metal, glass cracks, peeling paint, damaged seals, sealed unit failure).	5		Windows in good repair.	
2.4.5	Window accessories (i.e., latches, hardware, screens, locks, alarms, holders, closers, security devices).	5		Good repair.	
2.4.6	Building envelope (i.e., signs of heavy condensation on doors or windows).	5		No evidence of problems.	
Other					
	Overall Bldg Exterior Condition & Estim Costs				\$0

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).	5		No evidence of deterioration.	
	3.1.2 Floors (i.e., signs of cracks, heaving, settlement).	5		None evident.	
	Other				
3.2	Materials and Finishes		Bldg. Section	Description/Condition	
	3.2.1 Floor materials and finishes.	5		12/12 Vinyl tile.	
	3.2.2 Wall materials and finishes.	4		Painted block and drywall.	
	3.2.3 Ceiling materials and finishes.	5		Lay-in acoustic tile.	

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.	NA		Excellent condition.	
3.2.5	Millwork	5		Excellent condition.	
3.2.6	Fixed/wall mounted equipment (i.e., writing boards, tackboards, display boards, signs).	5		White boards, tackboards, etc. - adequate and in excellent condition.	
3.2.7	Any other fixed/mounted specialty items (i.e., CTS equipment, gymnasium equipment).	4		Gym equipment in good condition.	
3.2.8	Washroom materials and finishes.			Floors - ceramic tiles. Walls - concrete block painted. Ceiling - drywall painted.	
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 valuation is required.</i>				
			Bldg. Section	Description/Condition	
3.3.1	Building construction type - combustible or non-combustible, sprinklered or non-sprinklered.	5		Non-combustible, sprinklered.	
3.3.2	Fire separations (i.e., between buildings, wings, zones if non-sprinklered).	5		Appear to be in place.	
3.3.3	Fire resistance rating of materials (i.e., corridor walls and doors).	5		Appear to be in place.	
3.3.4	Exiting distances and access to exits.	5		Appear to be compliant.	
3.3.5	Barrier-free access.	5		Excellent. Handicap washrooms for staff and student on both floors with elevator access.	
3.3.6	Availability of hazardous materials audit (i.e., evidence of safety concerns with respect to asbestos, PCB's, chemicals).	5		New building with no evidence of asbestos concerns.	
3.3.7	Other health and safety concerns (i.e., evidence of excessive noise conditions, air quality problems)	5		None.	
Other					
	Overall Bldg Interior Condition & Estim Costs				\$0

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 and catch basins tied to City services.	
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. A siamese connection is present.	
4.2.2	Fire suppression systems (i.e., pumps, sprinklers, piping, reservoirs, hoses, stand pipes, CO2 systems).	4		Building is fully sprinklered throughout.	
4.2.3	Hand extinguishers, blankets and showers (i.e., in CTS areas).	4		Hand extinguishers located throughout in cabinets.	
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 50mm meter. Separate irrigation service provided. Service to building tied to municipal service.	
4.3.2	Water treatment system(s).			Not applicable.	
4.3.3	Pumps and valves (including backflow prevention valves).	4		Backflow preventors are current.	
4.3.4	Piping and fittings.	4		All piping on domestic is copper and is in good shape.	
4.3.5	Plumbing fixtures (i.e., toilets, urinals, sinks)	4		Fixtures are in good service condition.	
4.3.6	Domestic hot water system (i.e., heater, storage tanks, failure alarms, pressure, volume, recirculation).	4		Two self contained AO Smith hot water heaters, gas fired, c/w recirc pump.	
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).	4		Two Superhot hot water boilers supply heat for entire school. Units operate well and are in good shape. Boilers distribute hot water to perimeter radiation, reheat coils, and glycol heat exchanger.	
4.4.2	Heating controls (including use of current energy management technology).	4		Controls are DDC based.	
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. A pot feeder is provided for the hot waer system, and a glycol feed tank/pump for the glycol system.	
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.			Not applicable.	
4.4.7	Heating humidification systems and components.			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	4		Hot water distribution is in good shape and well maintained.	
4.4.9	Heating piping, valve and/or duct insulation.	4		Piping is insulated throughout.	
4.4.10	Heat exchangers.	4		Hot water to glycol heat exchanger provided for ventilation air heating.	
4.4.11	Heating mixing boxes, dampers and linkages.			Not applicable.	
4.4.12	Heating distribution/circulation in larger spaces (i.e., user comfort, temperature of outside wall surfaces).	4		Control and distribution is reported to be good	
4.4.13	Zone/unit heaters and controls.	4		Zone and hating control is reported to be good.	
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.	4		The school has three Systemaire rooftop air supply systems complete with service aisles serving classrooms, the administration/common areas. The classroom units supply and return fans, full mixed air control, D/X cooling coil, preheat coils, and wet media humidifiers. Systems are in good shape. A fourth unit serving the gymnasium is complete with mixing section and preheat coil.	
4.5.2	Outside air for the occupant load (if possible, reference CFM/occupant).	4		Based on system design outside air quantities are being met.	
4.5.3	Air distribution system (if possible, reference number of air changes/hour).	4		Design of the air system would give 6 to 8 air changes.	
4.5.4	Exhaust systems capacity and condition.	4		Exhaust systems are acceptable and properly operating.	
4.5.5	Separation of out flow from air intakes	4		Acceptable.	
4.5.6	Special/dedicated ventilation and/or exhaust systems (i.e., kitchen, labs, CTS areas).	3		Range hood in staff area is ducted to outdoors. The Art room has a kiln/ wall vent. The IA area has welding arms and a swadust collection system. Ranges in the Food/ Nutrition area are not vented. Hoods should be provided.	\$10,000
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).	4		Ventilation controls are DDC based.	
	4.5.8 Air filtration systems and filters.	4		Systems has fiberglass filters.	
	4.5.9 Humidification system and components.	4		Air units are provided with wet media humidification.	
	4.5.10 Heat exchangers.	4		Hot water to glycol heat exchanger for air heating. Good condition.	
	4.5.11 Ventilation distribution system and components (i.e., ductwork, diffusers, mixing boxes, dampers, linkages).	4		Distribution ductwork is in good condition.	
	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).	4		Cooling is provided by DX systems within 3 of the air handling units. Systems are in good condition.	
4.6.2	Cooling distribution system and components (i.e., ductwork, diffusers, mixing boxes, dampers, linkages)	4		Cooling distribution is through ventilation systems.	
4.6.3	Cooling system controls (including use of current energy management technology).	4		System control tied to in house controls.	
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.	4		Building controls are DDC based and current. Upgrade of the system to current software releases may be required.	
	Overall Mech Systems Condition & Estim. Costs				\$10,000

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).	5		Main service - u/g - 1000A. 347/600V, 3 phase, 4 wire is in good condition. Installed in 1997.	
5.1.2	Site and building exterior lighting (i.e., safety concerns).	3		The only exterior lighting is at the main entrance. Site and street lighting helps light up approximately 60% of the perimeter. Recommend approximately 5 lights for back areas.	\$3,000.00
5.1.3	Vehicle plug-ins (i.e., number, capacity, condition).	5		Existing stalls (52) have sufficient car plugs.	
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		Existing F.A. system in good condition. There are no door hold-opens presnt on 2 centre corridor set of doors on main floor.	\$1,200.00
5.2.2	Emergency lighting systems (i.e., safety concerns, condition).	5		Existing system is in good condition.	
5.2.3	Exit lighting and signage (i.e., safety concerns, condition).	5		Existing system is in good condition.	
Other					

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.	1		None exists and should be installed.	\$1,500.00
5.3.2	Panels and wireways capacity and condition.	4		Panels are in good condition and have approximately 20% space available.	
5.3.3	Emergency generator capacity and condition and/or UPS (if applicable).			None present.	
5.3.4	General wiring devices and methods.	4		Overall condition is good to excellent.	
5.3.5	Motor controls.	4		Motor controls 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).	5		All lighting systems are in good condition and are above acceptable levels: classroom +79, gym +51, corridors +28, administration +98.	
5.4.2	Replacement of ballasts (i.e., health and safety concerns).	N/A		All lights are only approximately 3 years old.	
5.4.3	Implementation of energy efficiency measures and recommendations.	N/A		No recommendations required.	
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).	5		Meridian system in good condition.	
5.5.2	Other communication systems (i.e., public address, intercom, CCTV, satellite or cable TV).	4		P.A. system in good condition.	
5.5.3	Network cabling (if available, should be category 5 or better).	5		All network cabling in good condition.	
5.5.4	Network cabling installation (i.e., in conduit, secured to walls or tables).			All cabling done in cable tray and conduit.	
5.5.5	Wiring and telecommunication closets (i.e., size, security, ventilation/cooling, capacity for growth).			Equipment located in 2 secured rooms complete with ventilation/cooling systems.	
5.5.6	Provision for dedicated circuits for network equipment (i.e., hubs, switches, computers).	4		Dedicated circuits installed to equipment.	
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).			Security system (Regency 4660C) in good condition. No door contacts or cameras installed.	\$1,000.00
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).	4		System installed to code. (Three years old.)	
5.7.2	Condition of elevators/lifts.	4		Elevator in good condition. (Three years old.)	
5.7.3	Lighting and ventilation of elevators/lifts.	4		Lighting and ventilation present. (Three years old.)	
Other					
	Overall Elect. Systems Condition & Estim Costs				\$6,700.00

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		
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

School Facility Evaluation Project
Part III - Space Adequacy

Section 7	Space Adequacy	This Facility			Equiv. New Facility			Surplus/ Deficiency	Comments/Concerns
		No.	Size	Total Area	No.	Size	Total Area		
7.1	Classrooms	22	var.	1695	19	80	1520	175	
7.2	Science Rooms/Labs	4	var.	419	4	120	480	-61	
7.3	Ancillary Areas (i.e., Art, Computer Labs, Drama, Music,)	5	var.	555	2 3	130 90	530	25	
7.4	Gymnasium (incl. gym storage)	2	801 140	954	1		897	57	
7.5	Library/Resource Areas	1		260	1		350	-90	
7.6	Administration/Staff, Physical Education, Storage Areas		0	451			761	-310	
7.7	CTS Areas								
	7.7.1 Business Education	0			3	115	345	-345	
	7.7.2 Home Economics	1		129	1		160	-31	
	7.7.3 Industrial Arts	1		133	1		280	-147	
	7.7.4 Other CTS Programs	0			0				
7.8	Other Non-Instructional Areas (i.e., circulation, wall area, crush space, wc area)			1904			1813	91	
	Overall Space Adequacy Assessment			6500	35		7136	-636	