Dawson Rec Centre - Schematic Design Phase Final Functional Program Options

Room Name	Option 1 (Concept Phase)	Schematic Option A	Schematic Option B	Notes
RECREATION AMENITIES				
Ice Rink (Hockey, Ringette, Skating)	2,041.5	2,041.5	2,041.5	Area includes circulation
Ice Rink Viewing Area (unheated)	74.6	74.6	74.6	
Ice Rink Viewing Area (heated)	-	-	-	Option 1B will have combined heated viewing area for Ice Rink and Curling. Refer to Lounge/MPR.
Team Dressing Rooms	244.7	240	240	60sm/room
Change Rooms	-	110	110	1 toilet, 2 showers, compliant with CSA 30 per shower room
Ref Change Room	36.6	35.0	35.0	
Skate Sharpening	17.9	-	-	Co-locate with skate rental for 30m2 total. Refer to 'Equipment Rentals & Sharpening'
Skate Rental	-	-	-	Existing skate storage is 11.5m2.Co-located with skate sharpening and ski rentals. Refer to 'Equipment Rentals & Sharpening'
Zamboni Room	111.3	100	100	area to accommodate zamboni & pit, small tool bench.
Ice Plant/Mechanical Room	209.8	200	200	
Storage	76.4	60	60	
Additional Rink Equip. Storage	-	25	25	Added based on facility tour. Used for jersey, equipment storage, etc.
Curling Rink	858.2	- 655	655	Width of ice reduced but includes 2 sheets with 4' space along both sides.
Changing Area/Lockers	- 75.0		15	Option 1B on main floor to accommodate 4 - 6 occupants
Lounge/MPR (2nd floor)	75.0	100 510	100 675	Accommodate 35 occupants, with area for bar
Gym/Flex Space Gym Viewing Area	510.0	510	0/5	Option 1B larger to account for area for track above No designated space, will be part of circulation. Option 1B potential to have
Gynn viewing Area	-	-	-	connected viewing space from above
Gym Storage		65	65	Original option includes 65m2 of storage adjacent to gym
Change Rooms	156.8	158	158	Increased area to suit architectural building features
Walking Track	-	-	-	Option 1A: included as signage throughout facility noting distance walked.
Ŭ				Option 1B: suspended walking track on 2nd Floor, area included in larger gym size.
Sauna	_	10	10	accommodate 6 individuals
Fitness Centre (2nd floor)			185	Larger than existing location
Showers/Washrooms (2nd floor)			55	3 rooms with showers, toilets & sinks, 3 rooms with toilet and sink only
Indoor Playground	52.5	90	90	Similar to size of CGC
Climbing/Boulder Wall	-	20.0	20.0	designated storage in one of program storage cages
Sub-Total	4,465.3	4,494.1	4,914.1	
COMMUNITY AMENITIES				
Common Lounge/Entry	75.0	-	-	Option 1A and 1B: lounge area would be included w/in wider circulation corridors.
Entry	-	50	50	entry vestibule only
Program Storage	60.6	35	35	Added based on facility tour. Includes 5 storage cages @ 4.5m2 each
Canteen/Servery	68.6	65	65	
Equipment Rentals/Skate Sharpening Multipurpose/Flex Space	-	40	40	ski & skate rental, skake sharpening, near entrance.
Full Team Office	152.8	50 150	50 150	Includes private office. CoD to confirm no. of workstations reg'd.
Sub-Total	221.4	390.0	390.0	includes private office. cob to commit no. of workstations req d.
LOGISTICS				
Washrooms	145	90	95	Washroom counts have been reduced to code requirements based on calculations to support each occupancy.
Janitor Room	-	10	10	Janitor Area w/in Ice Rink Area
Janitor Room	23.5	10	10	Janitor Area to serve remainder of building
Janitor Room (2nd Floor)	23.5	-	10	Required only in Option 1B
Workshop	-	40	40	Area for repairs/maintenance to equipment and assets. Include work
				benches, hand tools, open area for picnic table repairs. Direct access to
Loundry Epsilition	11.7	10	10	exterior req'd.
Laundry Facilities	11.2 873.4	10 873.4	10 873.4	Associated Engineering to confirm area is sufficient
Mechanical Electrical	873.4 incl. above	873.4 incl. above	873.4 incl. above	Associated Engineering to confirm area is sufficient. Associated Engineering to confirm area is sufficient.
Telecom	incl. above	incl. above	incl. above	Associated Engineering to confirm area is sufficient.
Elevator/Lift	-	-	12	
General Storage	108	45	45	General building, seasonal storage. Refer to above for dedicated storage.
Sub-Total	1,185.0	1,078.4	1,105.4	
Net Total	5,871.7	5,962.5	6,409.5	
Gross Up (35%)	1,174.3	1,371.4	1,281.9	
USABLE AREA	7,046.0	7,333.9	7,691.4	



SITE PLAN

REPUBLIC ARCHITECTURE INC



SCHEMATIC DESIGN OPTION A TOTAL BUILDING AREA: 7361 SM



REPUBLIC ARCHITECTURE INC



SCHEMATIC DESIGN OPTION B TOTAL BUILDING AREA: 8097 SM

COMMON AMENITIES

- C1 Multi Purpose Room
- C2 Indoor Playground
- C3 Canteen
- C4 Equipment Rentals & Skate Sharpening
- C5 Office
- Janitor 6
- C7 Program Storage
- C8 Workshop
- C9 Laundry
- C10 Outdoor Playground
- C11 General Storage
- C12 Mechanical/Electrical

ICE

- R1 Ice Rink
- R2 Curling Rink
- R3 Viewing
- R4 Curling Lounge
- R5 Zamboni
- R6 Ice Plant
- R7 Rink Storage
- R8 Change Room
- R9 Ref Change

FITNESS

- F1 Gymnasium
- F2 Shower / Change Room
- F3 Storage
- F4 Boulder Wall
- F5 Sauna





SCHEMATIC DESIGN OPTION A TOTAL BUILDING AREA: 7361 SM





AXONOMETRIC VIEW







SCHEMATIC DESIGN OPTION A TOTAL BUILDING AREA: 7361 SM





SCHEMATIC DESIGN OPTION A TOTAL BUILDING AREA: 7361 SM

ELEVATIONS



















REPUBLIC ARCHITECTURE INC



SCHEMATIC DESIGN OPTION B TOTAL BUILDING AREA: 8097 SM



MAIN FLOOR PLAN





SCHEMATIC DESIGN OPTION B TOTAL BUILDING AREA: 8097 SM

COMMON AMENITIES

- C1 Multi Purpose Room
- C2 Indoor Playground
- C3 Canteen
- C4 Equipment Rentals & Skate Sharpening
- Office
- C6 Program Storage
- Workshop
- C8 Storage
- Janitor
- C10 Outdoor Playground
- C11 Mechanical/Electrical

- R1 Ice Rink
- R2 Curling Rink
- R3 Viewing
- R4 Rink Storage
- R5 Zamboni
- R6 Ice Plant
- R8 Change Room
- R9 Curling Change Room

FITNESS

- F1 Gymnasium
- F2 Shower / Change Room
- F3 Storage
- F4 Sauna



SCHEMATIC DESIGN OPTION B TOTAL BUILDING AREA: 8097 SM

COMMON AMENITIES

- C6 Janitor
- C11 Storage
- C12 Mechanical/Electrical
- C13 Corridor Viewing

ICE

- R3 Corridor/Viewing R7 Curling Lounge

FITNESS

- F2 Shower / Change Room
- F5 Fitness Centre
- F7 Walking Track



AXONOMETRIC VIEW







SCHEMATIC DESIGN OPTION B TOTAL BUILDING AREA: 8097 SM







ELEVATIONS



SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION

