

2014 Exhibition of School Planning and Architecture

Quarry Park Corporate Child Care Facility

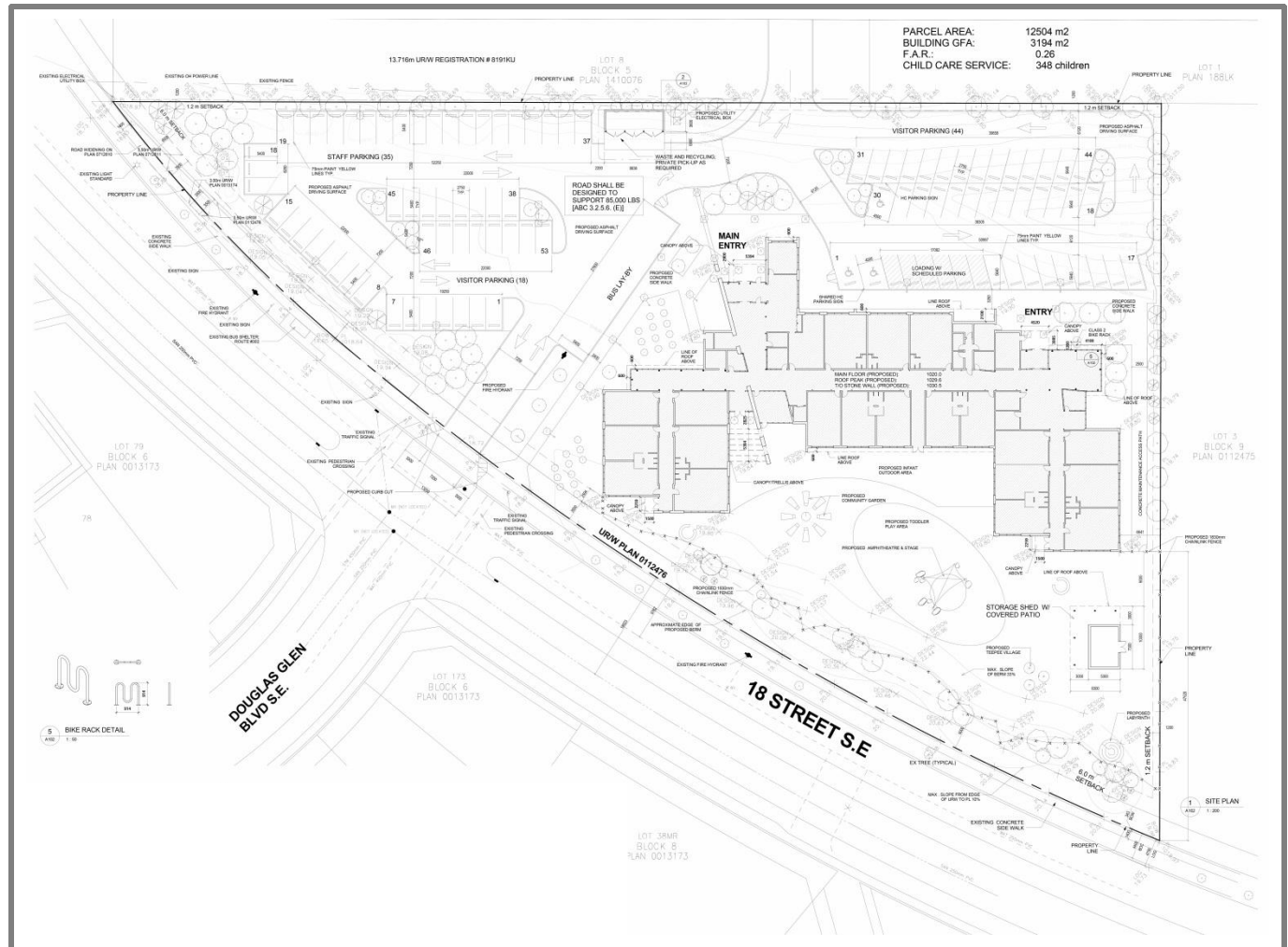
Private development

Calgary, Alberta

Quarry Park Corporate Child Care Facility



Quarry Park Corporate Child Care Facility_Site Plan



An eclectic urban community

Located within the Quarry Park community; an eclectic development boasting a live, work play ethos. The facility seeks to further the goal of integrating various building typologies such as residential, office and recreational amenities into a single harmonious community.

The site entry is positioned in direct axis to Douglas Glen Blvd at the intersection of 18th Street SE (main thoroughfare). The site entry is also takes into account the existing City of Calgary transit access routes to ensure easy access to the site by public transit. This new development reflects the needs of the Quarry Park community striving to serve the need for corporate child care.



An eclectic urban community

The Quarry Park Child Care facility will operate in partnership with the YMCA and will employ design guidelines that create a facility that will serve the Quarry Park Community. This learning facility boasts strong residential aesthetics that promote activity and play.

Pedestrian movement through the site has been carefully organized to ensure pedestrian safety and convenience. The proposed walkways connect to the existing urban walkways in the adjacent residential community. The proximity to transit and easy access to the site create a pedestrian friendly environment that encourages the use of public transit and walking. Our pedestrian route also creates a synergy with existing amenities such as the recreation center.



A dynamic Learning Environment

Realizing the importance of the relationship between interior and exterior space in child care planning, the facility employs a formal strategy with a strong diagonal entry exit axis that connects the North and South portions of the land parcel. This axial connection creates a strong visual relationship between interior and exterior spaces as well as circulation through the site.

The facility also uses a horizontal circulation axis, flanked by child care rooms on the main and second floor to encourage interaction as well as optimize day lighting into the child care spaces. In addition, all child care spaces have been carefully laid out to ensure stimulating environments for children as well as maximum natural daylight.



A dynamic Learning Environment

Quarry Park Child care spaces have been carefully programmed to create a creative environment for child development. The two classroom floors are grouped in thematic colors that help foster recognition for the children users. The thematic schemes are developed relate to the natural Alberta landscape and encompass the prairie scheme and the Banff mountain landscape.

Each classroom has also been expertly programmed with learning areas, flexible activity areas, as well as scale appropriate windows to ensure the children maintain a strong connection to their surroundings, as well as to maximize lighting within the spaces.

The building has strived to work mostly with sustainable materials such as the use of natural wood in the hybrid curtain wall system as well as the use of energy saving LED lighting.

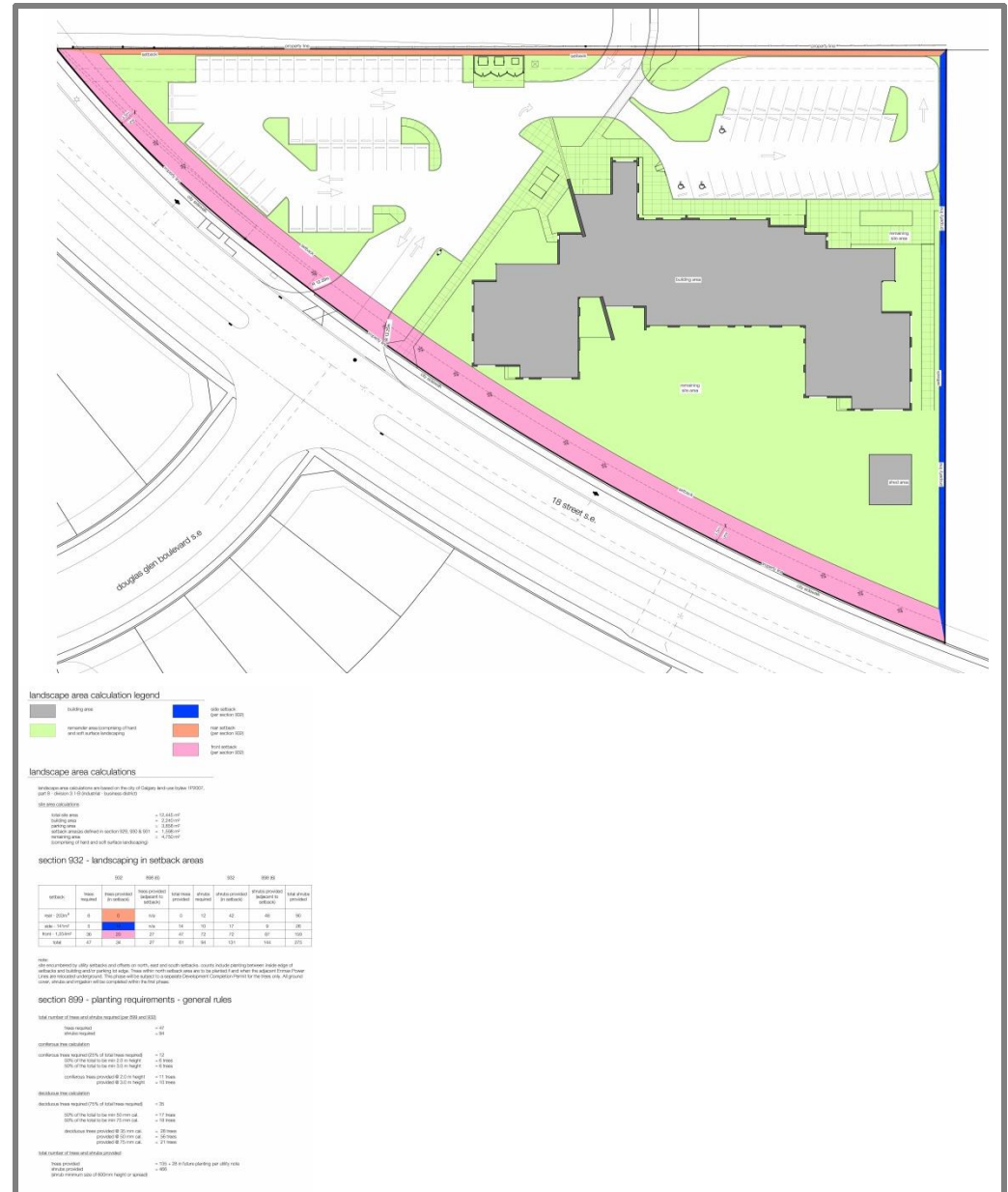


Physical environment

The landscape design of the Quarry Park child care facility has been thoughtfully designed to provide experiential spaces for children, as well as to provide sound attenuation and visual screening from the main traffic thoroughfare on 18th Street SE. The landscaping within the setback area along 18th primarily shields the daycare from traffic on the main thoroughfare (18th Street SE) as well as screen on-site parking from the public.

The proposed berms and the 1830 mm tall chain link fencing shield the internal play areas from traffic to the south of the parcel creating a safe enclosed environment. Through the use of trees, shrubs as well as various surface materials, the landscaping emphasizes the architectural elements of the building as well as outdoor spaces.

The outdoor play area consists of three distinct play areas and experiences for children of different age groups. These three distinct play areas are contained within the fenced off area and provide a secure and compelling play environment within an urban setting.



Physical environment

The Quarry Park Corporate Child Care facility relates to its surrounding environment primarily through scale and materiality. The facility is sensitive to scale and ensures it respects the scale and design aesthetic of the Quarry Park community.

Through design elements that relate to residential construction such as engineered wood exterior walls (longboard), and a stone accent wall, through this materiality the project creates a visual transition between the office park and the residential community of Riverdale.



Planning process

The Planning process for the Quarry Park Child care facility involved various shareholders such as the YMCA who will be operating the facility, as well as the client.

Through design charrettes and various meetings with the shareholders and design team multiple strategies were proposed both from a perspective of the users, operators and the community as a whole. The design for the Quarry Park Child care center will be the largest child care development in Canada.

Design kick off charrettes (Start up)

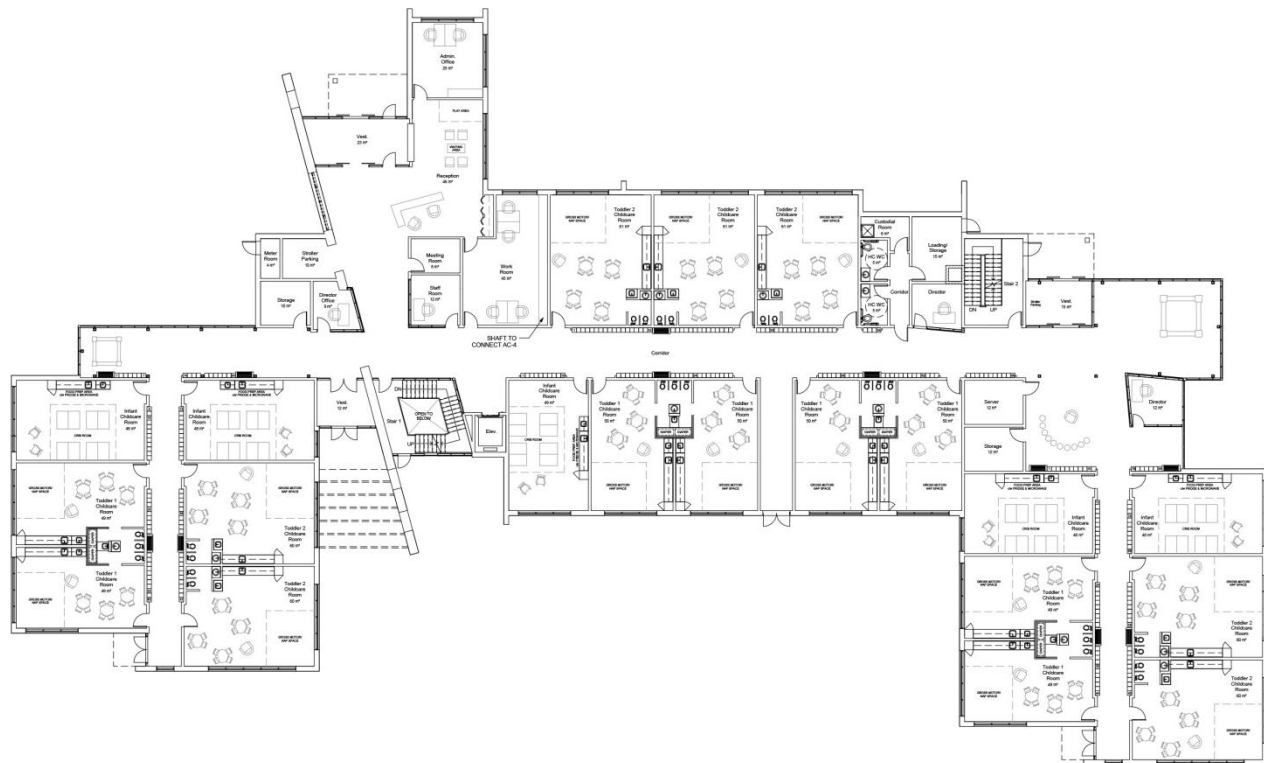
Participants_ YMCA, Client, Design group

Intermediate design charrettes (every week)

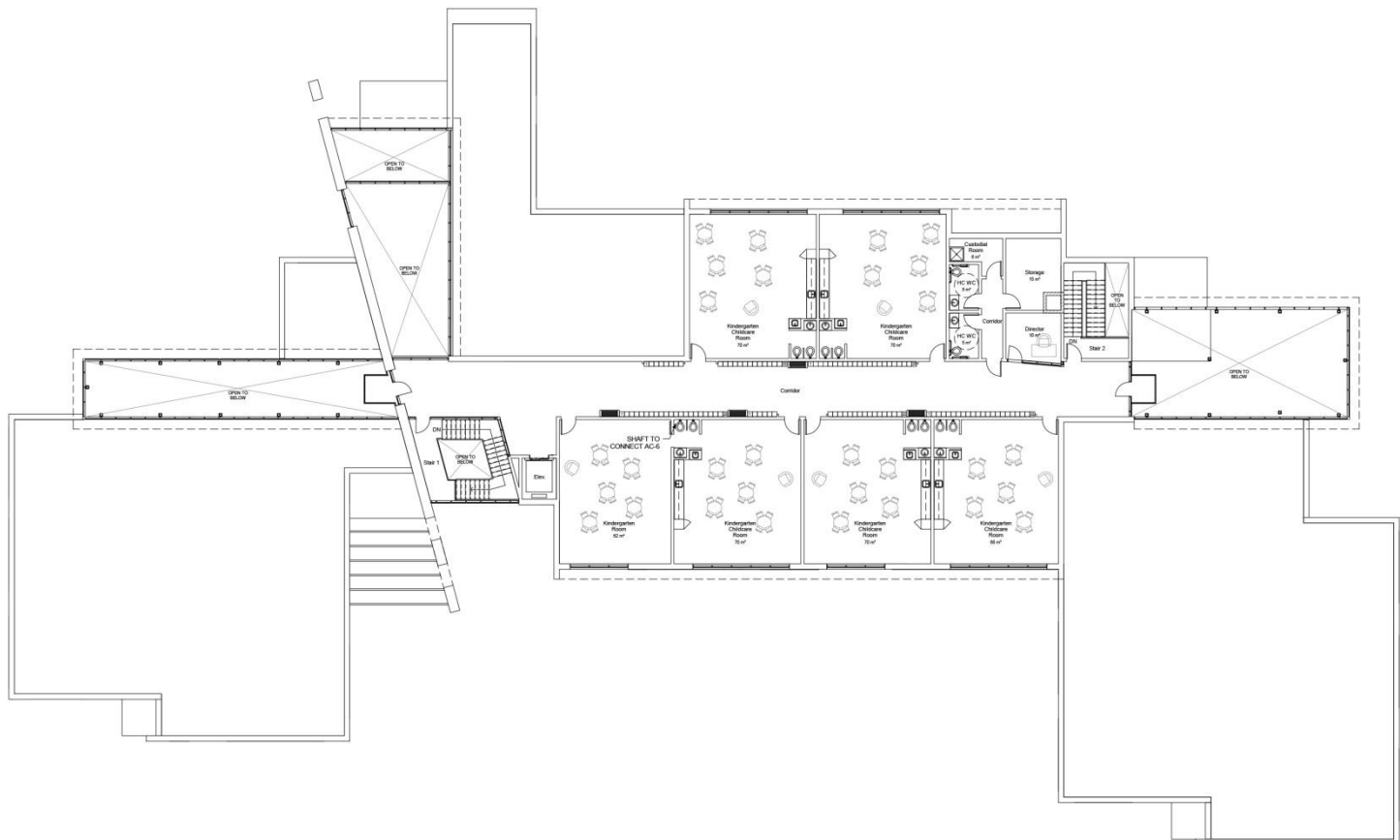
Participants_ YMCA, Client, Design group



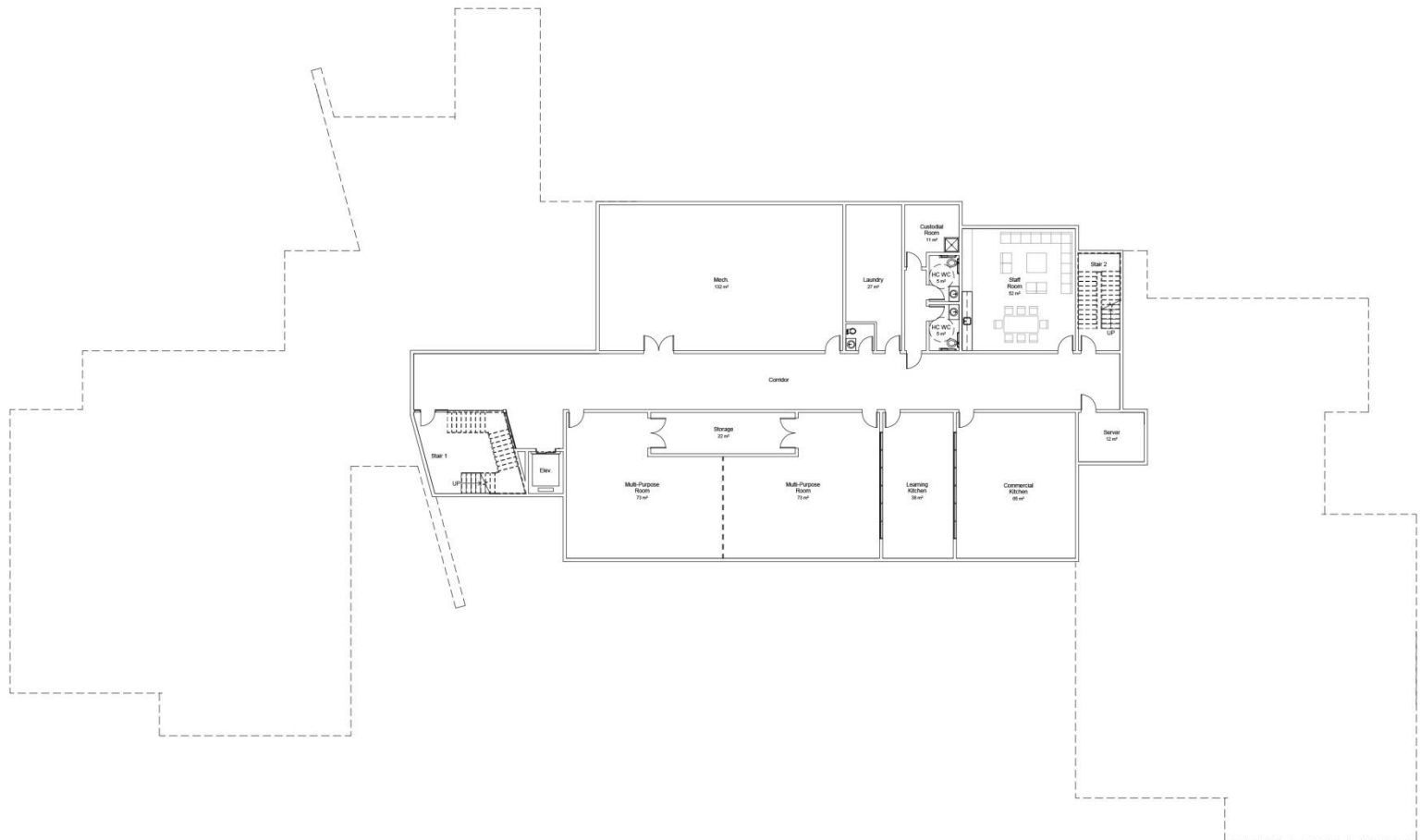
Main Floor Plan



Second Floor Plan



Basement Floor Plan



Exhibition of School Planning and Architecture

Project Data

Submitting Firm :	Zeidler Partnership Architects
Project Role	Design Architects
Project Contact	Michael Cojocar
Title	Principal
Address	300 - 640 8 Avenue SW
City, State or Province, Country	Calgary, Alberta
Phone	403-233-2525
Joint Partner Firm:	
Project Role	n/a
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Other Firm:	
Project Role	n/a
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Construction Firm:	Remington Development Corporation
Project Role	Developer
Project Contact	Developer
Title	Developer
Address	200 Quarry Park Blvd SE
City, State or Province, Country	Calgary, Canada
Phone	403 255 7003

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Project Details

Project Name	Quarry Park Child Care Facility
City	Calgary, Alberta
State	Alberta
District Name	private district
Supt/President	n/a
Occupancy Date	
Grades Housed	infant-kindergarten
Capacity(Students)	350
Site Size (acres)	3.9 acres
Gross Area (sq. ft.)	8 525 sf
Per Occupant(pupil)	24.35 sf
gross/net please indicate	8 525 sf
Design and Build?	Design bid build
If yes, Total Cost:	27 million
Includes:	All site works
If no,	n/a
Site Development:	
Building Construction:	
Fixed Equipment:	
Other:	
Total:	27 million