



**Catalina
Bernal**
catalog

2023

chile.
colombia.
canada.

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hello@justcatcat.com

catalina bernal
B.Arc.Sci M.Arch
IAP-OAA

cat short version for
Catalina

log a register of the
operation of a machine

catalog a descriptive list
of works of art in an
exhibition or collection
giving detailed comments
and explanations

[unofficial definition]
list of ideas and
works completed during
architectural school and
professional career by
Catalina



resume

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professional experience

2019-2021 Weiss A+U

IAP (Internship in Architecture Program part of the Ontario Association of Architects)
Toronto, Canada

WAU is a Toronto-based firm that focuses on institutional work with the Toronto District School Board and has a keen interest on materiality, heritage and innovation.

activities performed

- Providing support to contractors and main Architect.
- Ensuring the projects were delivered on time.
- Quality assurance in terms of graphic language, and cohesiveness in nomenclature, labels, dimensions, as well as following the required parameters for different clients.
- Preparation of drawings to be submitted for approval to the city of Toronto and/or TDSB.
- Understanding, learning and applying the Ontario Building Code and TDSB design guidelines.
- Getting familiar with the different phases of design and construction such as Schematic Design, Construction Documents, and Programming.

achievements

For the period I worked at WAU, I was involved in different scales of projects from house additions, house renovations, to school window replacement and general improvement of institutional spaces.



2016-now Freelance Studio - JCC

Self-employed
Canada, Colombia, Chile

Freelance projects, ranging from addition to residential spaces to interior renovation for a Canadian consulting office in Chile, Colombia and Canada.

activities performed

- Direct contact with clients to understand, propose and implement the optimal design solution.
- Renovation and redistribution of spaces to best accommodate programming.
- Material selection.
- Coordination with suppliers and contractors.
- Budget management.
- Project coordination to deliver projects on time

achievements

During this period, I have had the opportunity to work on seven office renovations (two in Chile, four in Colombia and one in Canada), which includes work-space solutions and furniture design, in order to accommodate meeting rooms and maximize the use for workstations.

Academic background

2016-2018 Ryerson University
Master of Architecture
Toronto, Canada

2012-2016 Ryerson University
Bachelor of Architectural Science
Toronto, Canada

Awards

2018 RAIC Student Honour Roll

Certificates

04/2019 Housing and the
Modernization of Latin America
(1900-1980)
Prof. Francisco Liernur
Universidad Catolica de Chile (Catholic University
of Chile)

04/2019 The invention of the
American: Crisis of Identity and
Identity of Crisis
Prof. Alberto Sato
Universidad Catolica de Chile (Catholic University
of Chile)

Languages

English • Spanish

Volunteering

2020-2021 Graphic Design
The Architectural Lobby - Tkaronto Chapter
02/2018 Haiti - site analysis
Toronto Alliance Church

Digital and technical skill

Rhino + Vray • SketchUp • AutoCAD
Adobe Suite • Revit

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IAP-OAA

Cerro el Plomo 5930,
Of. 1301
Las Condes, RM
Chile

My current interests in architecture seek to distill, expand and define Latin American architecture in this age of globalization and homogeneity. Based on my own experiences and upbringing in Colombia and Canada, this constant research takes into account the blend of the cultural values, idiosyncrasies and the overall elements of cities in Latin America and North America, through the lens of concepts like sacred and profane, home and housing, and reconciliation.

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hybritopia: seeking an architecture of reconciliation

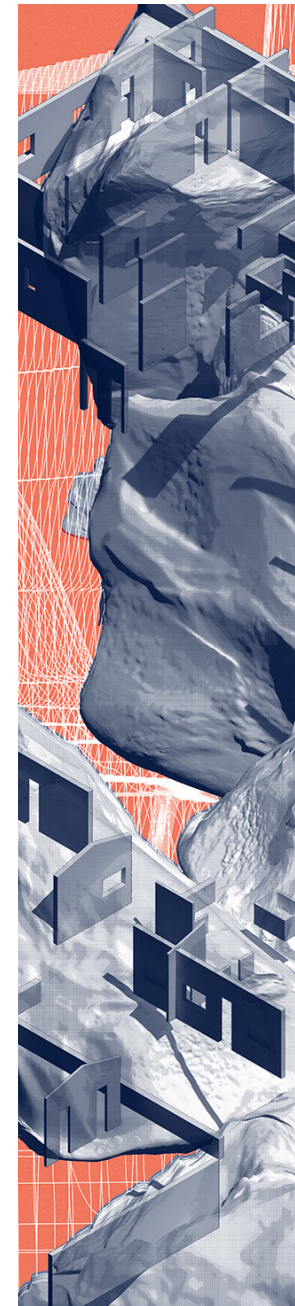
The rural landscape in the global south has become the subjectivation of ruthless economies and the demand for detachment and independence has been building up since the time of Discovery. As contemporary colonization is slowly reaching a rupture point between the corporation and minorities, governments and locals, urban and rural, developed and developing, architecture can mitigate the impacts as an agent of reconciliation. A space designated for the revitalization of land degradation, not in the sense of making land fertile again, but from the standpoint of a new foundation of cultures, communities and traditions, and more importantly, a setting for celebrating rural human existence, from life to death and infinity.

A sacred space, or a rural hybritopia, embodies the epitome of redemption, reconciliation and renewal for villages, towns, minorities and displaced communities.

This new hybritopia, shaped by the site's past, by the hauntology of neo-colonialism, as seen in displacement, relocation and the scarring of the land from mining activities, combines dichotomies that might have been seen as estranged, but its union creates a new understanding and view of the world.

Hybritopia allows for the re-structuration of the social fabric, without losing its original values, and for the creation of a space for reconciliation.

Seeking an architecture of reconciliation is seeking an architecture of the home, where space becomes place and the profane becomes sacred, and where a new symbiosis is born.



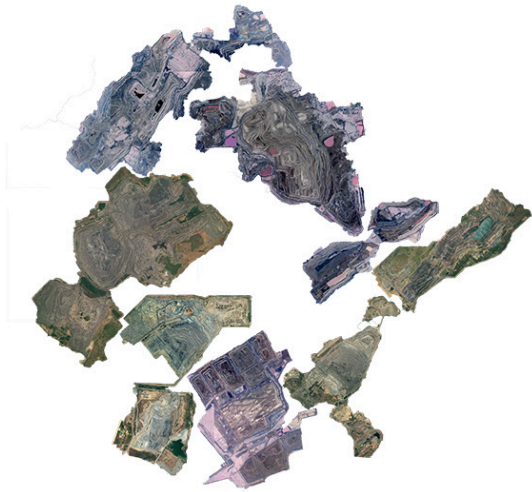
life

trance

death

sacred
profane

reconciliation



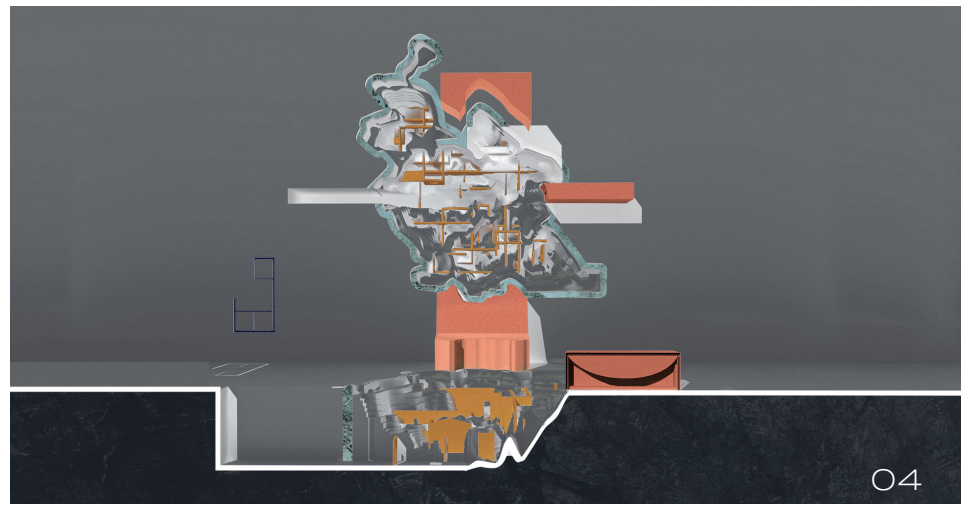
01



02



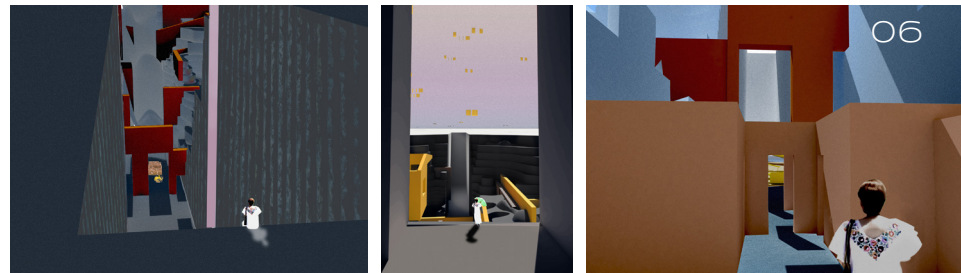
03



04



05



06

01. Real mining sites as independent archipelagos
02. The Creation of Mining
03. Hybritopia exists in a world between the real and the imaginary
04. Relationship between housing and home within the mine
05. Home as the heart of the site
06. Journey sequence within different spots at the mine

new davisville elementary school

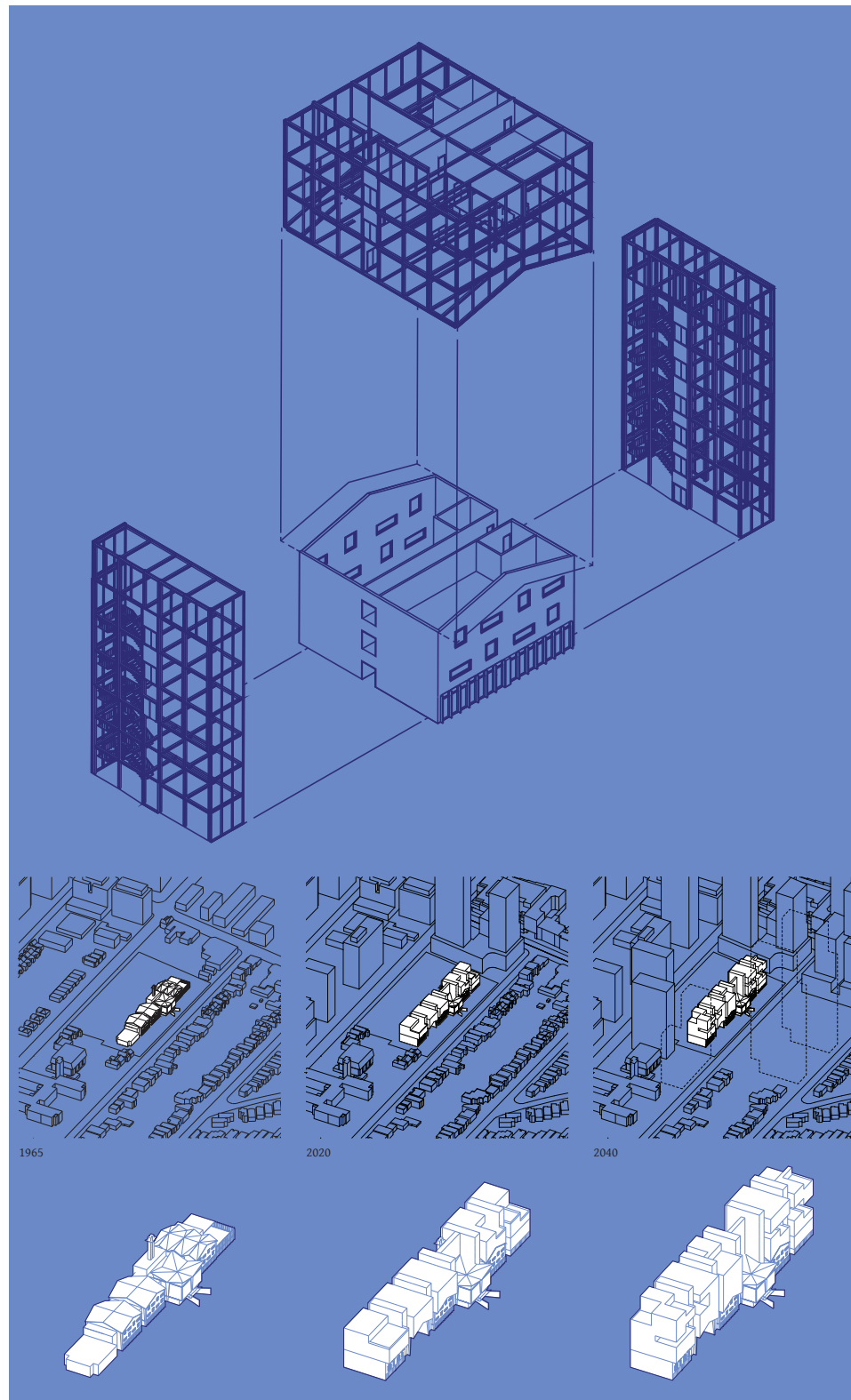
Built at the peak of modernism in Canada, during the mid-1960s, the Davisville Junior Public School is characterized by the innovative thinking of the time. Through rich architectural expressions such as the roof origami-like form, the playfulness of the windows, the rhythm of the bays, the in-betweenness of the stair cores, and the clear geometry. Regardless of all these qualities, the school fell short of student capacity, maintenance budget and a general discomfort of the school facilities.

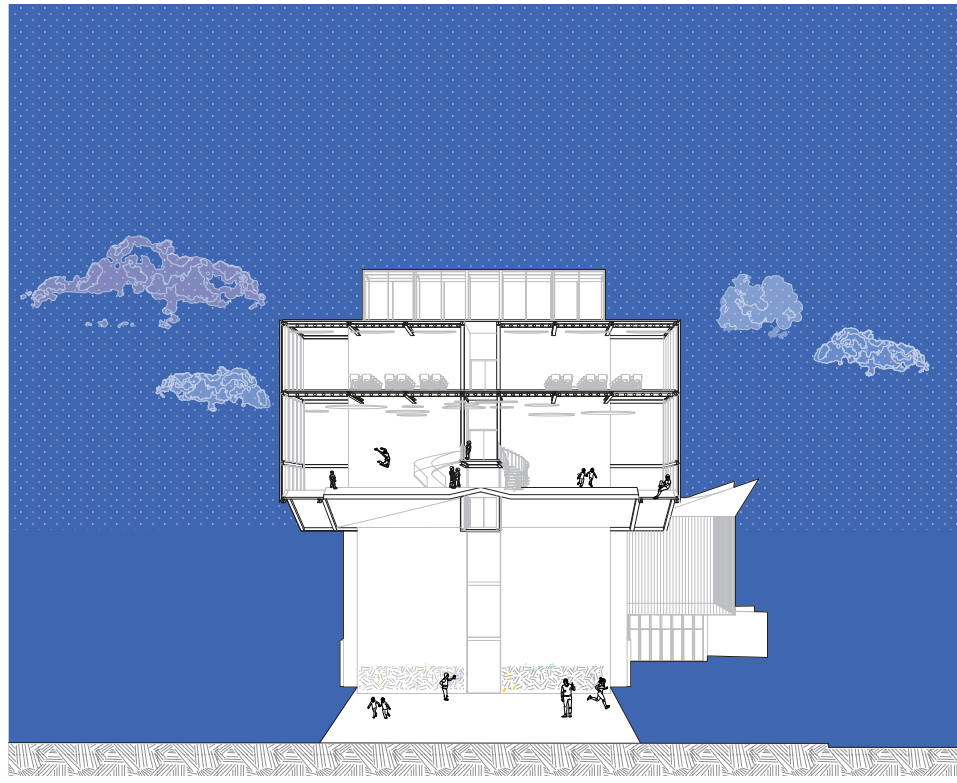
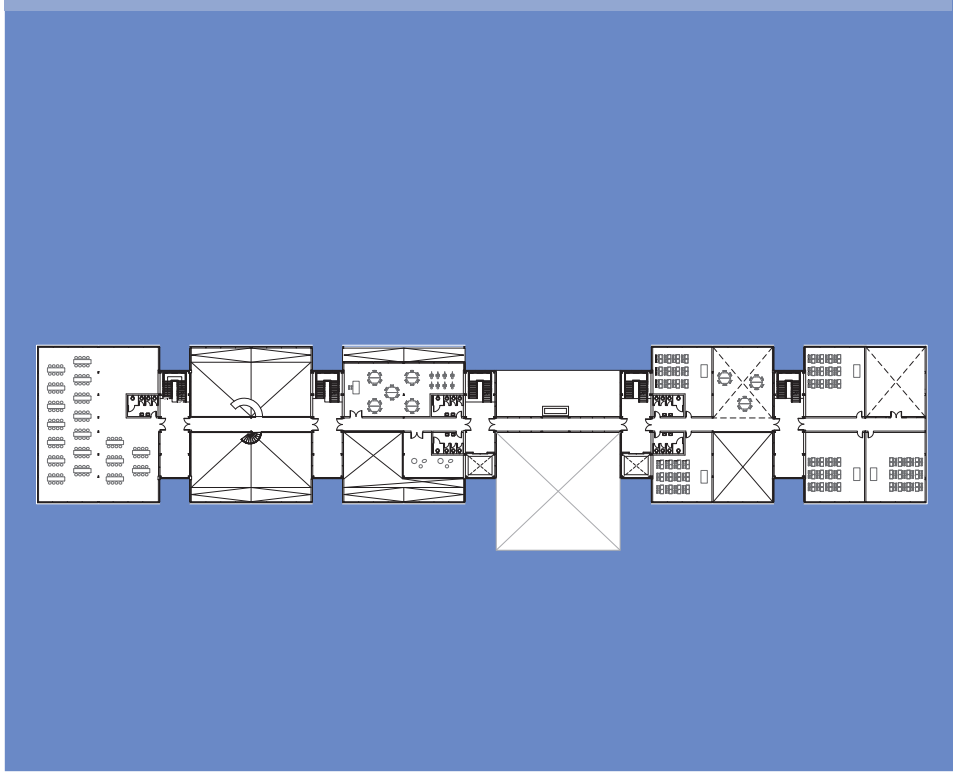
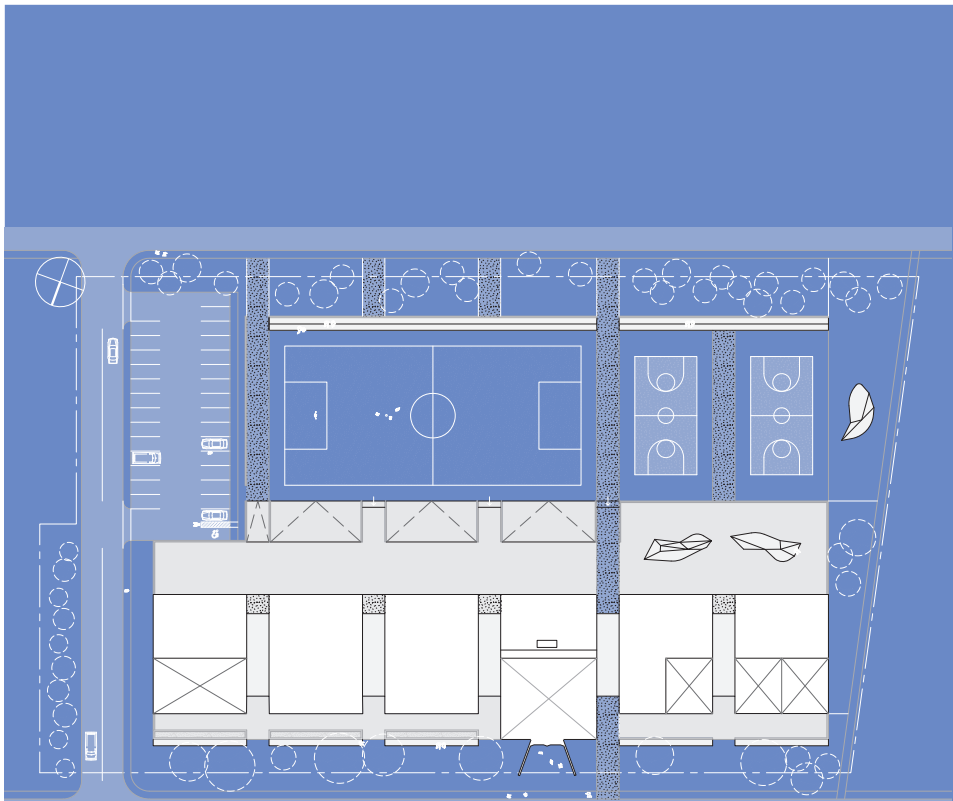
Davisville Junior Public School, undergoing the negative impact of contemporary modernization, began its demolition in the summer of 2018.

As part of a preservation initiative, this project was approached to keep its original characteristics while adapting to future and unforeseeable demands.

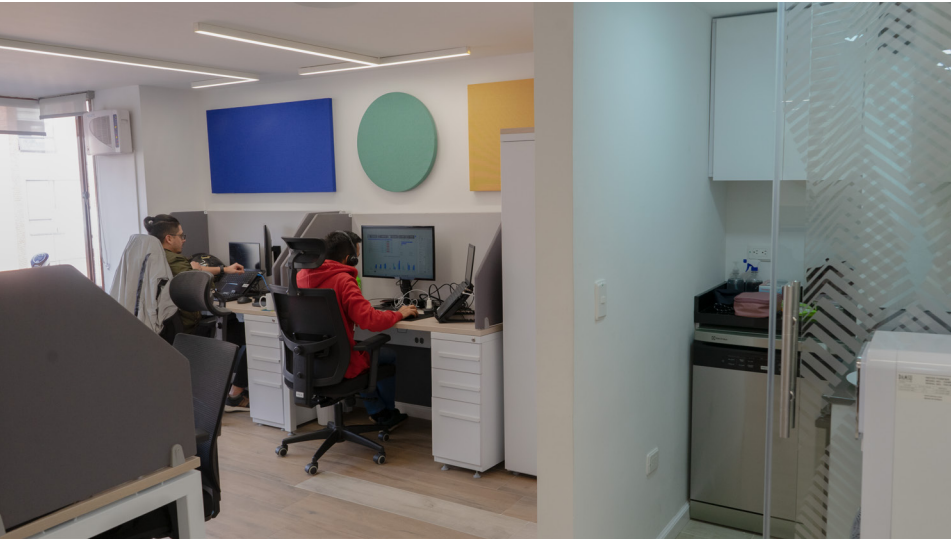
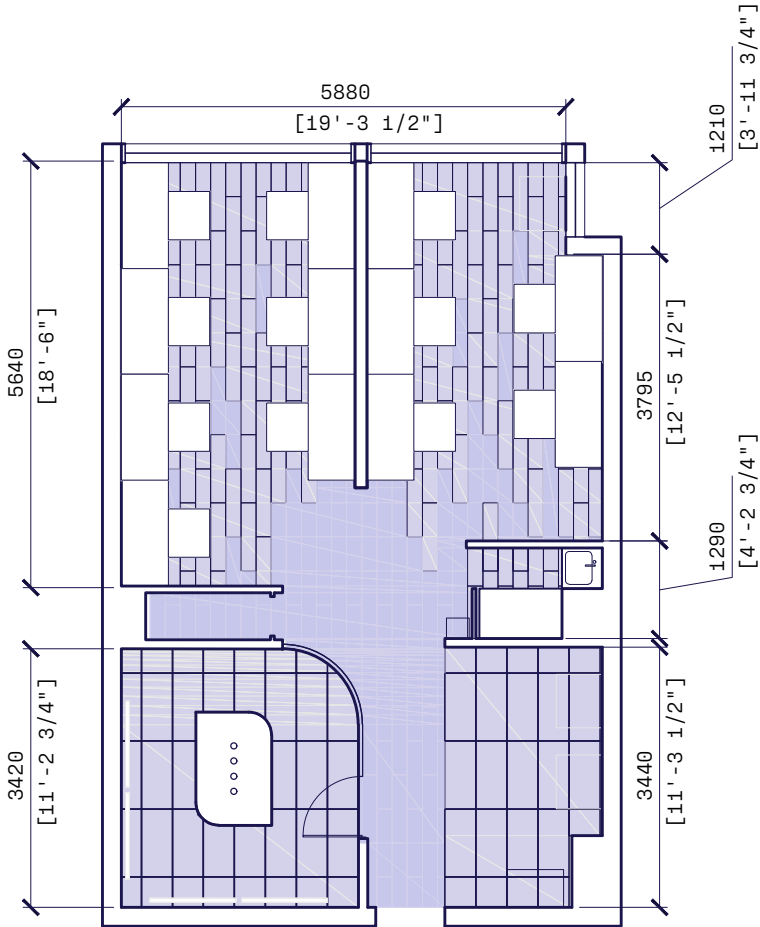
The whimsical expressions of the overall details uncovered the modernist approach to design. A 'new' school is proposed as an evolving architecture that responds to the demands of the time, while adjusting the mid-century masterpiece to contemporary requirements.

The school of the future will layer ideas, interests and the overall zeitgeist in which it is evolving.

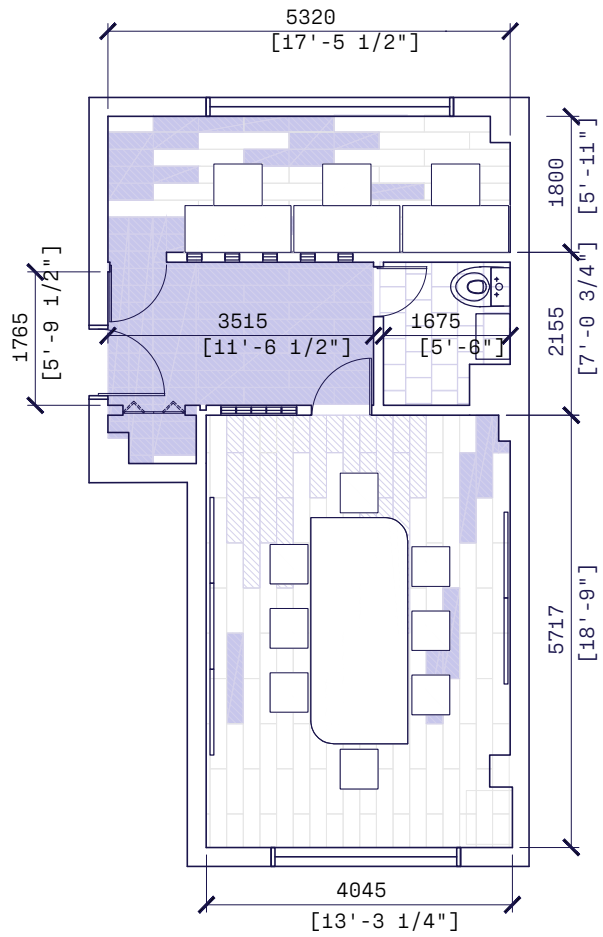




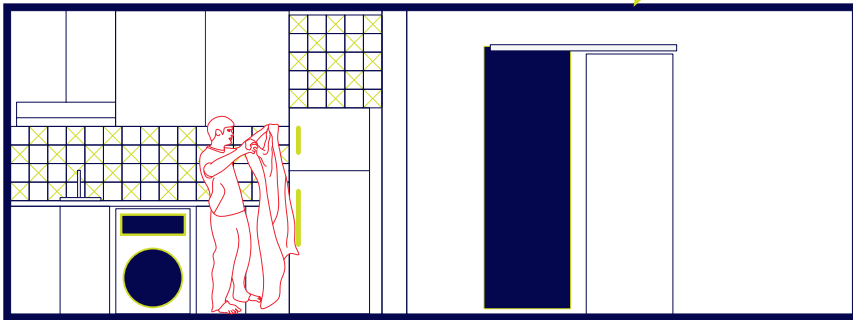
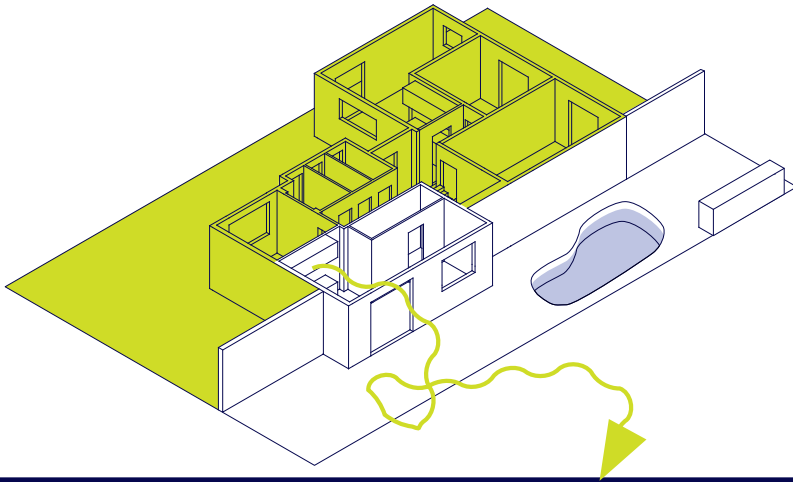
office renovation



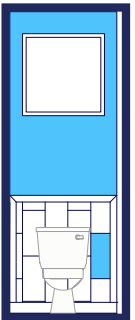
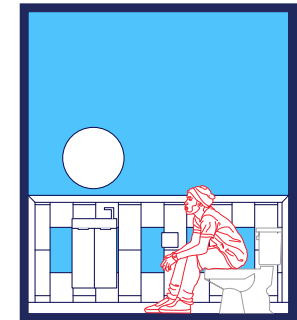
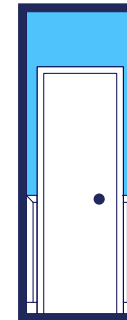
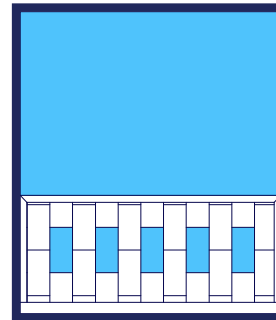
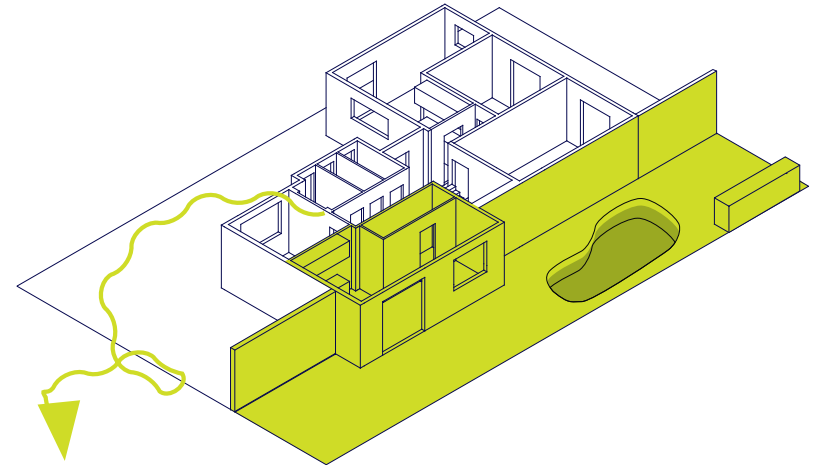
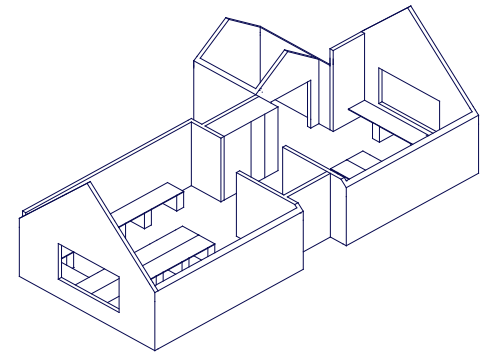
office renovation



home-office reno

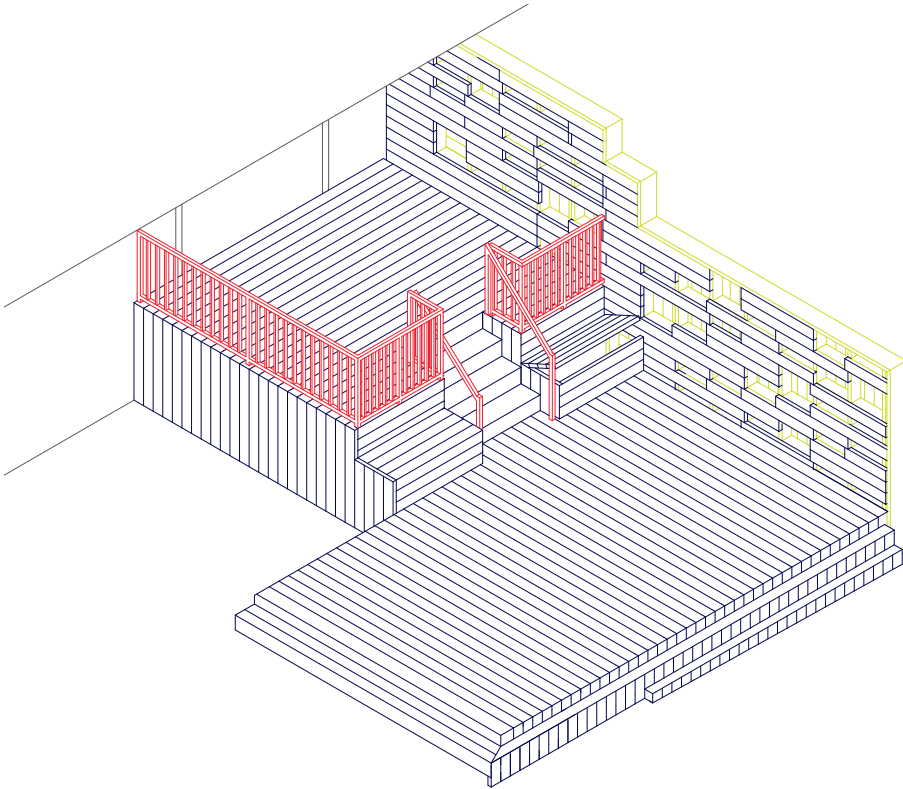


How spaces are assigned and how much space they occupy tend to vary and adapt to one's needs overtime. Constant change, always reinterpreting. With these statements in mind, the client was looking for the convenience of living- working in the same place, while keeping privacy and separation from work.

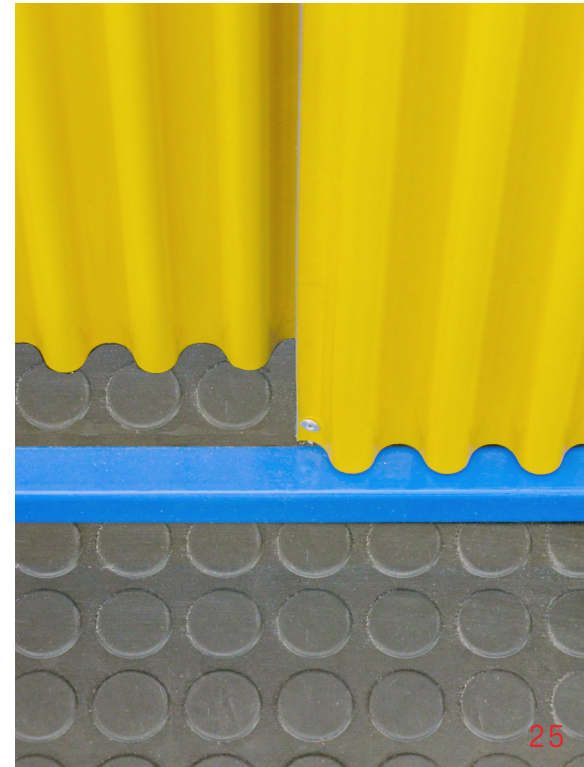
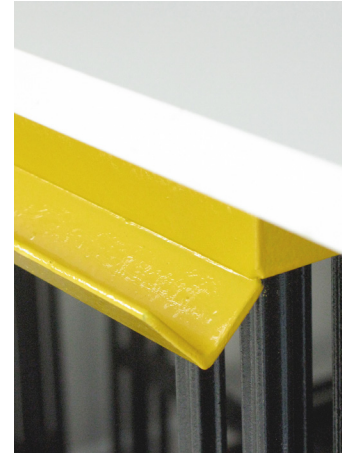
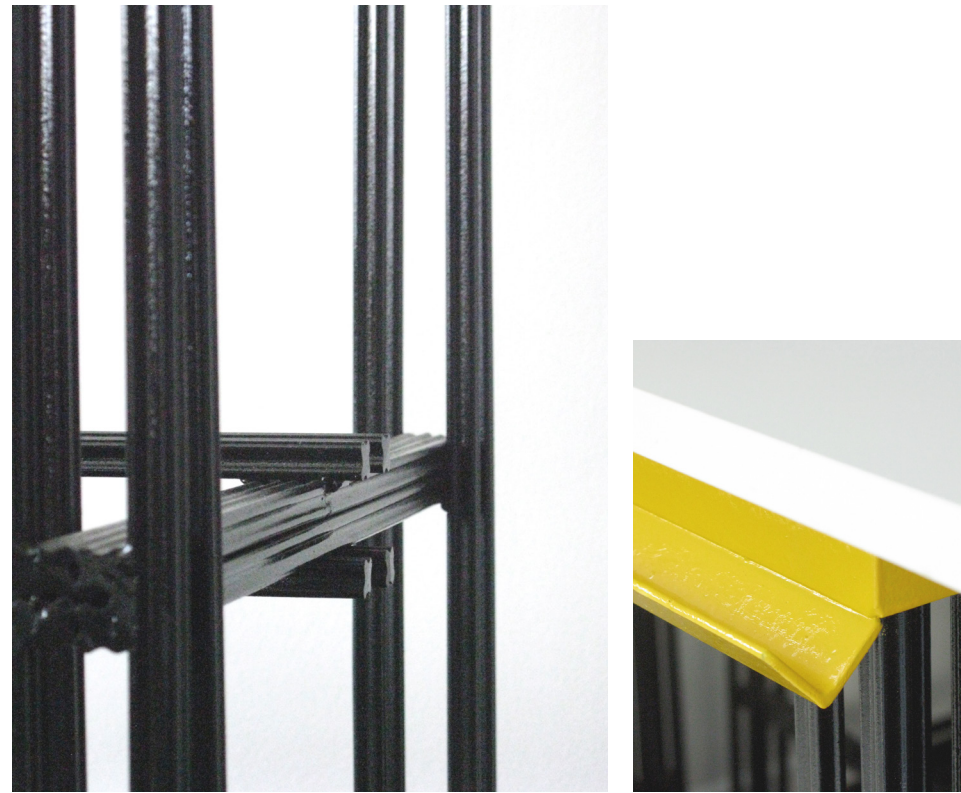
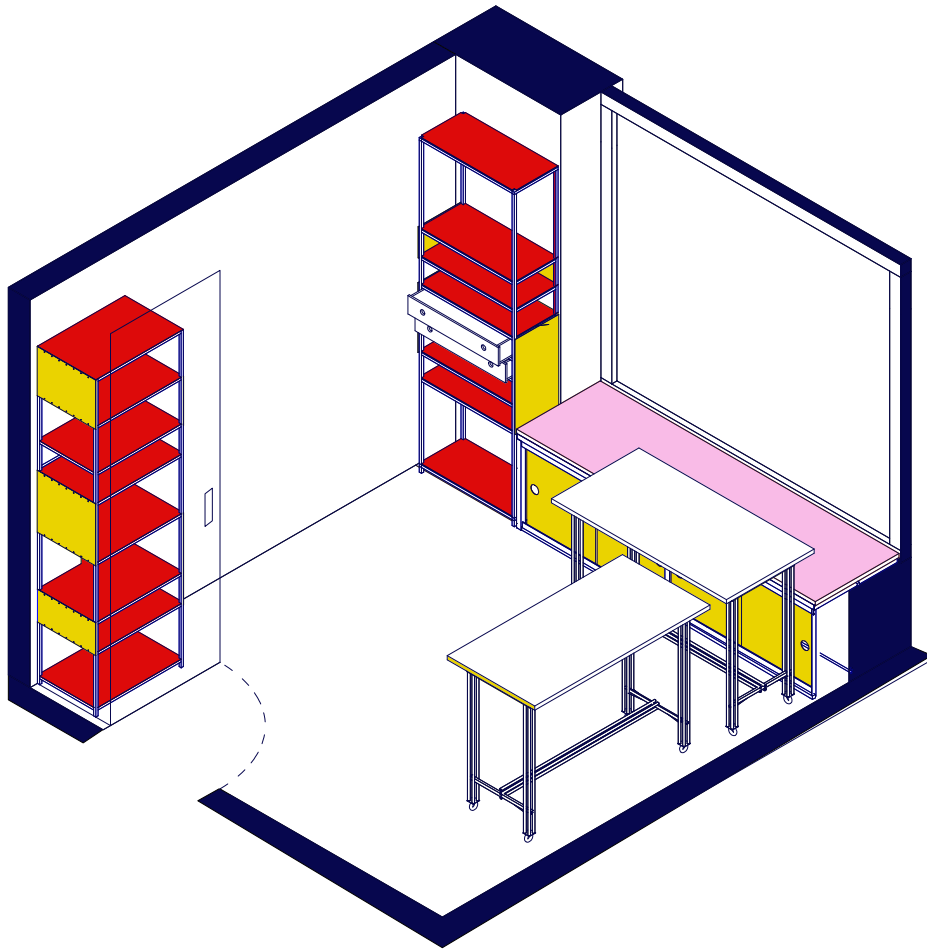


This project consisted of renovating an existing house (used primarily for living) to provide office spaces (four meeting rooms, three new washrooms, working area, and kitchenette) and a residential space (new washroom and kitchen). The main objective was to work within the existing parameters and conditions of the house, avoiding demolishing walls.

deck



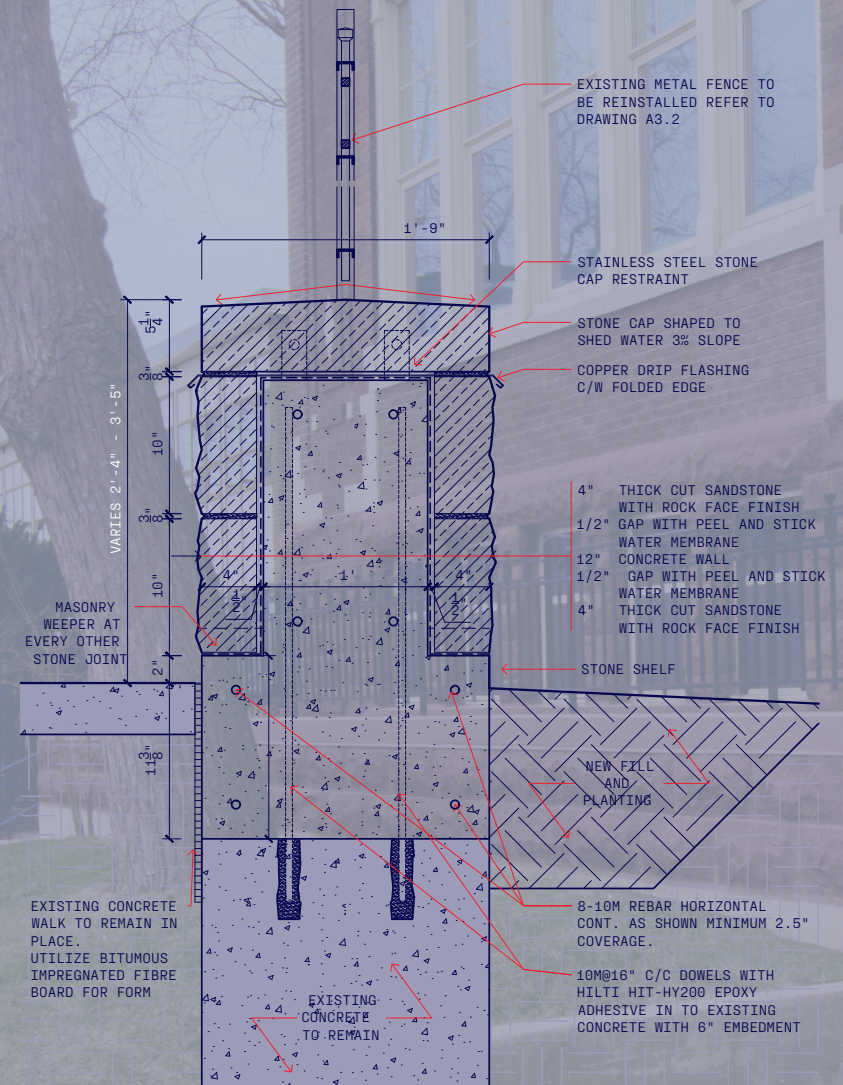
furniture



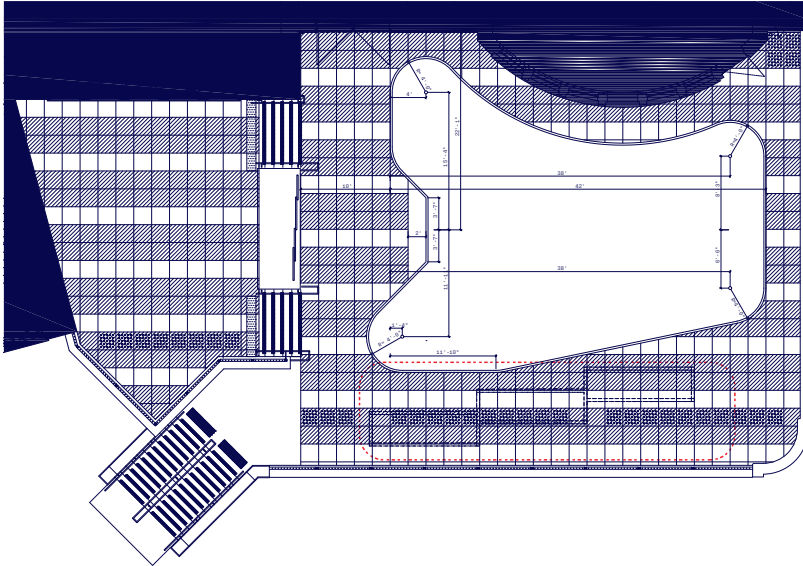
pape jps retaining wall



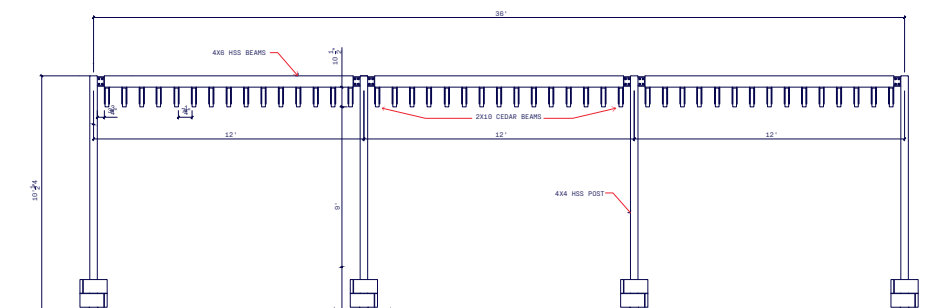
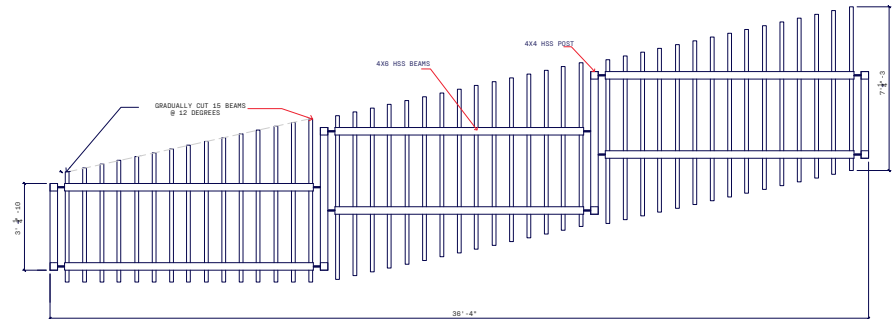
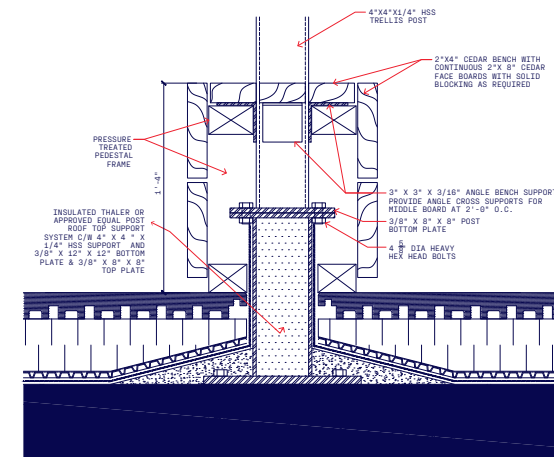
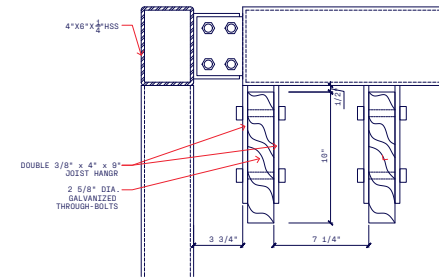
Small in scale, but large in detail and attention, the existing retaining wall of a public heritage school had the challenge of keeping its original elements, preserving its heritage values, and meeting the new building standards. The original retaining wall was demolished and rebuilt with new structural and thermal parameters, the existing metal guardrail was restored, and since the stone originally used in the main building as well as the old retaining wall was the heart of this site, it was needed to maintain its essence.



niagara st. PS – playground

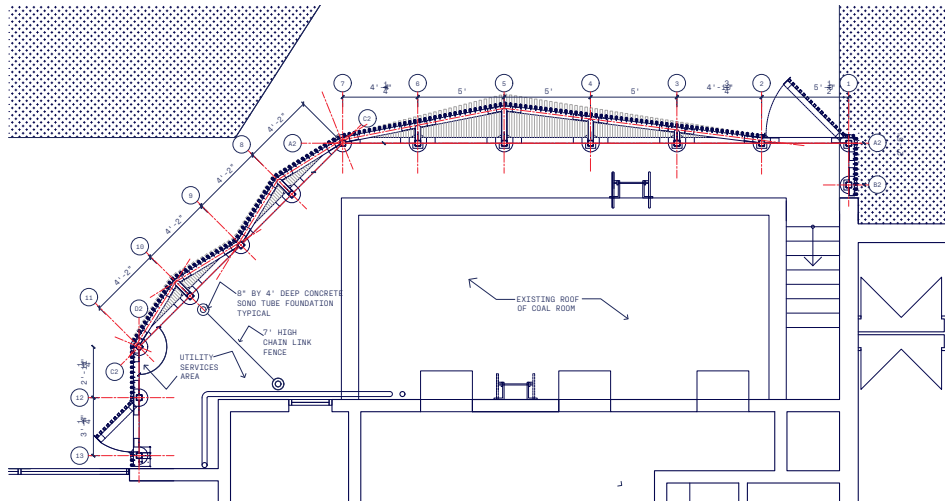


This 1970s junior public school was in need of a playground area that reponded to the current volume of children. It consisted of maximizing the existing conditions, by creating different ambiances within the boundaries of the playground: a new artificial turf that allows for a softer surface, a storage shed that contrasts the rigidy of the school, and a trellis with benches as a sunshading device. All the surface was upgraded with two-tone rubber tiles. From a technical perspective, the playground was also designed to meet the new Building Code standards, through the implementation of a new guardrail along the perimeter of the building, and handrails on the existing stairs, as well as rubber tiles with a drainage system.





ionview ps – fence



Located in Scarborough, Ontario, Ionview PS is a mid-century school characterized by its strong qualities of geometry, rhythms and materiality. Built in different phases throughout the last three decades, this one-storey-high building has the problem of its open and easy accessibility to the roof. To solve this issue, the design proposed a fence-like structure aimed to break the rigidity of the school's existing conditions through the use of tubular pipes, bright colored, that follows an irregular and dynamic plan.

