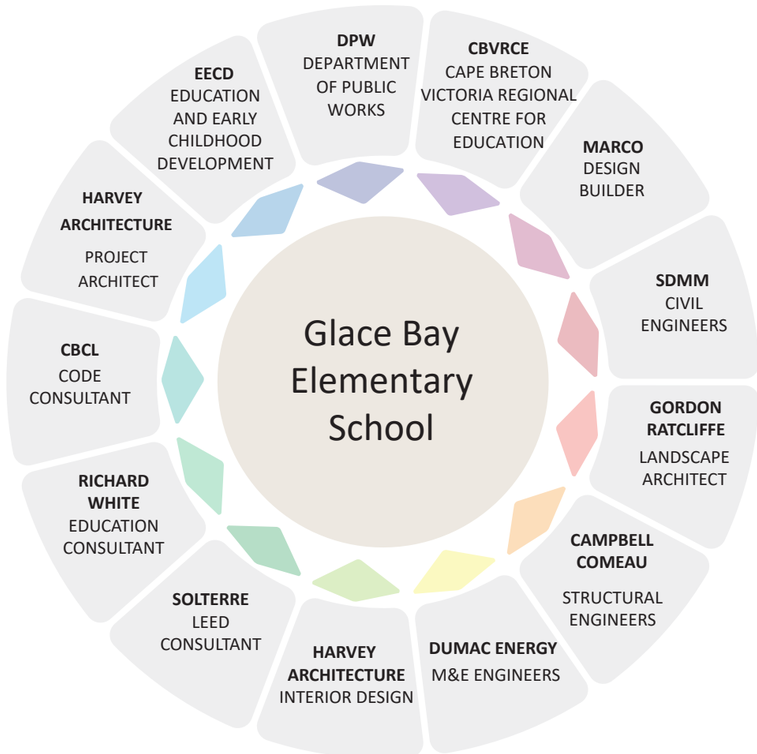
harvey Architecture

MARCO
BUILDERS OF ATLANTIC CANADA

GLACE BAY
ELEMENTARY SCHOOL

SCHEMATIC DESIGN
PRESENTATION

CONTENTS



SITE LAYOUT

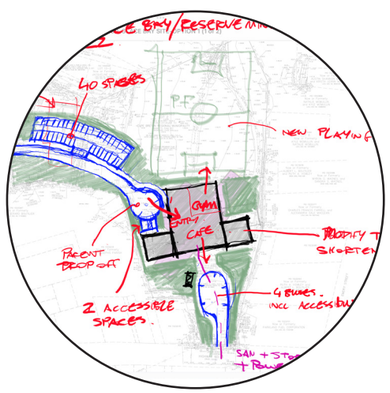
SITE CHALLENGES & OPPORTUNITIES:

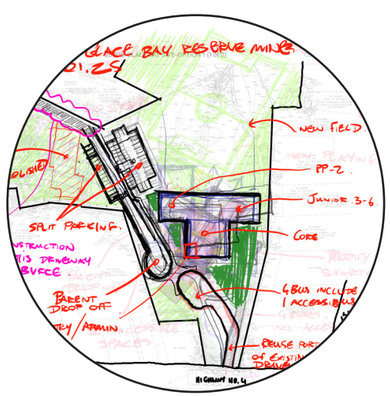
- Grade
- Existing School
- Property lines

DESIGN RESPONSE:

Test varioius building forms and configurations to create the optimum point of arrival to support multiple objectives:

- Welcome and open
- Central location on site
- Service both parent and bus drop off





SITE LAYOUT

BUILDING & SURROUNDING LANDSCAPE:

Position/orientation & relationship to natural and built landscape was guided by the following priorities:

- separation between outdoor play/circulation and vehicular travel, parking and service.
- lighting
- visibility and ease of access

DESIGN ELEMENTS:

- Planters and precast
- utilize natural daylighting, minimize travel distances and maximize visibility
- views and building access strengthen relationship between the core hub area and key outdoor spaces

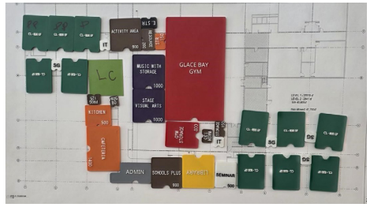
BUILDING DESIGN: LAYOUT

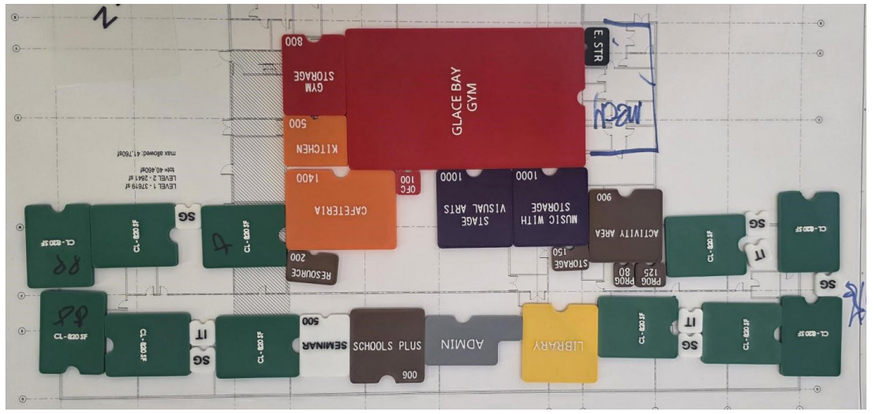
BUILDING LAYOUT GUIDING PRINCIPLES:

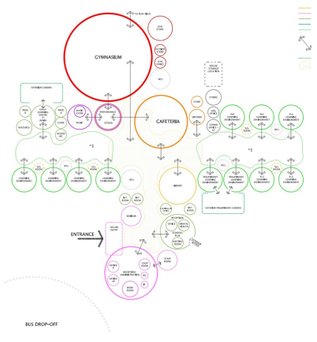
- Steam Approach: Collaborative, inclusive, flexible
- EECD standards/adaptability
- spaces that create synergy, optimal learning opportunities, and connectivity to the overall site.

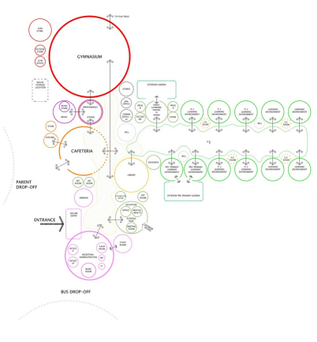
ADJACENCIES:

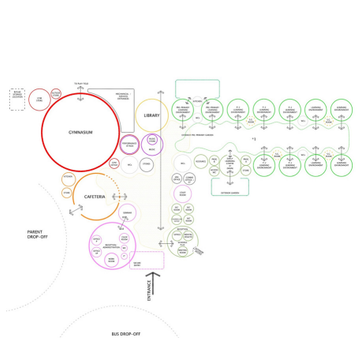
- Diagrammatic exploration
- Workshop session

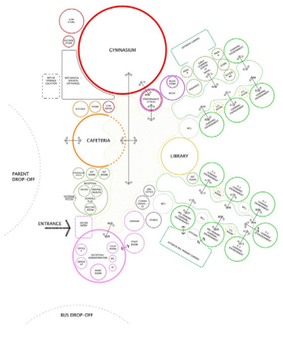


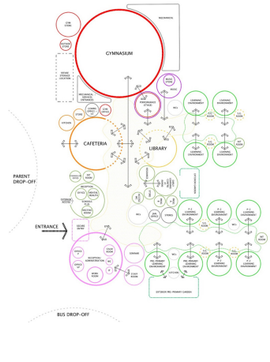


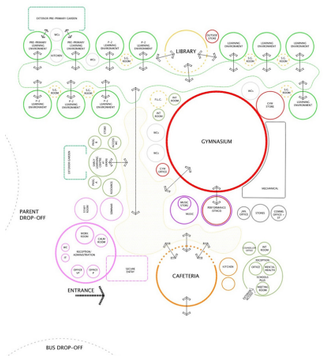










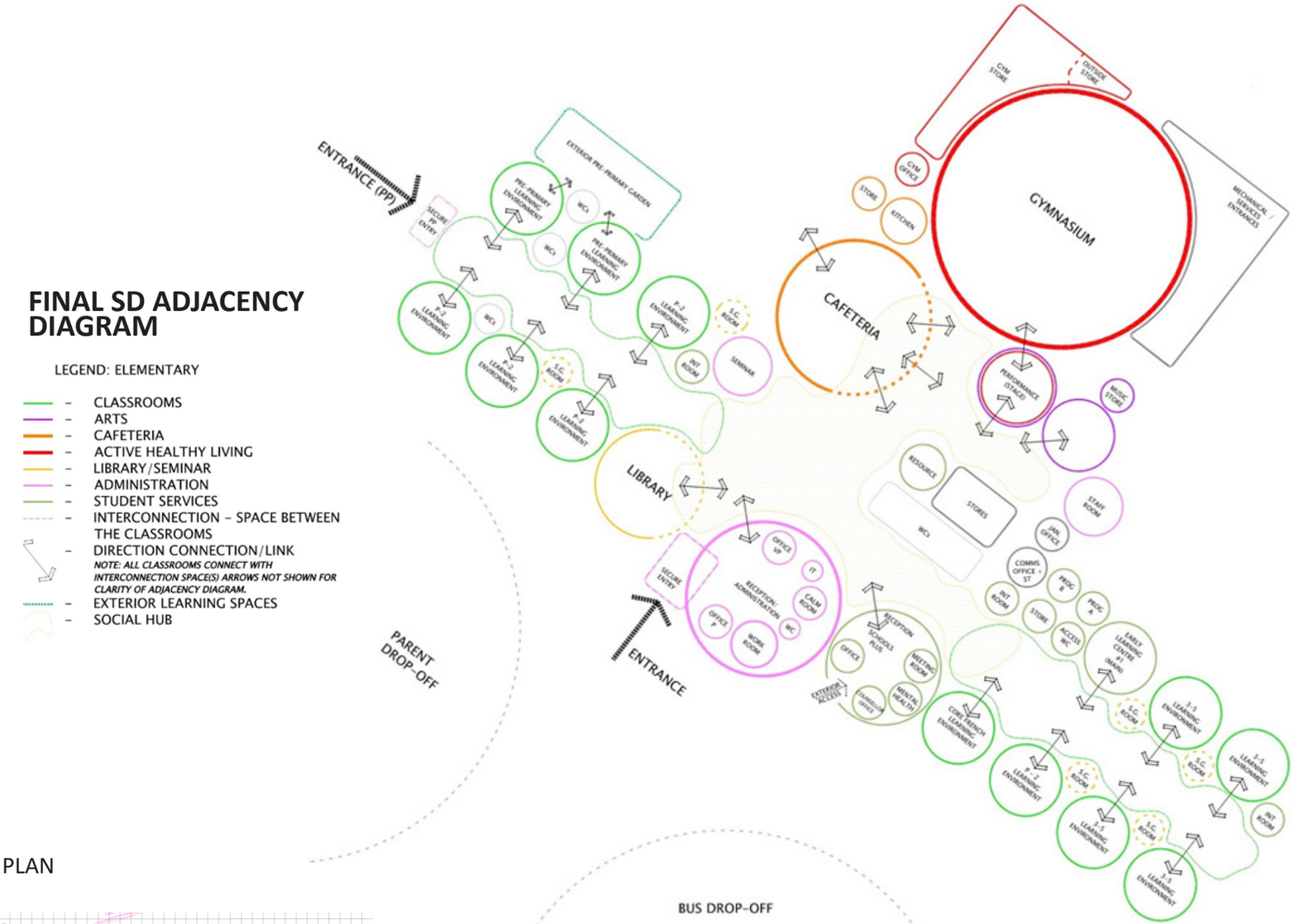


BUILDING DESIGN: LAYOUT

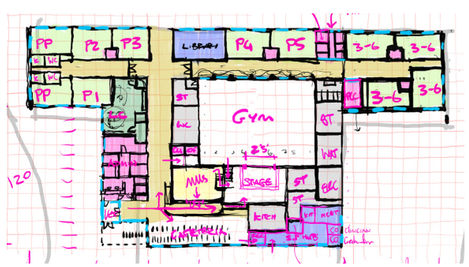
ATTRIBUTES:

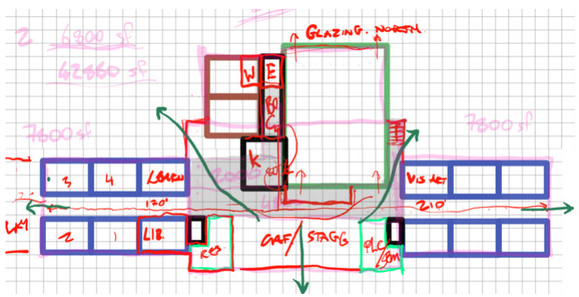
- effective security and supervision
- optimized daylighting
- universal design, circulation wayfinding
- inclusive and supportive learning
- flexible, supportive, collaborative and inclusive learning

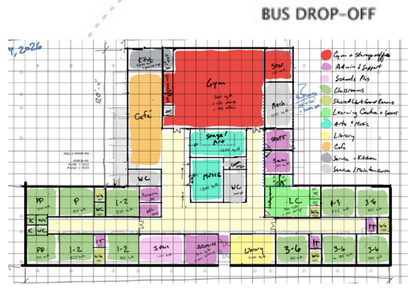
FINAL SD ADJACENCY DIAGRAM



SAP > ADJACENCY >> BLOCK LAYOUTS >>> FLOOR PLAN

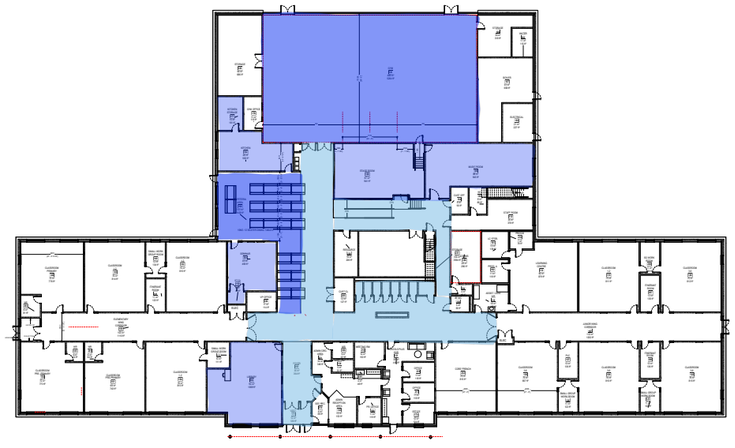






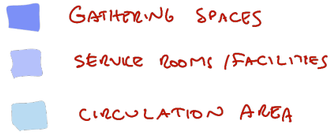
DESIGN ATTRIBUTES:

- Strong central axis
- Open core area
- Corridor wings
- Stage/Music/Cafe/Gym
- Secondary circulation
- Indoor / Outdoor adjacency
- Admin/Staff visibility



Program Layout

Community Events



BUILDING DESIGN CONCEPTS

DESIGN INSPIRATION:
Colour, Texture & Materiality

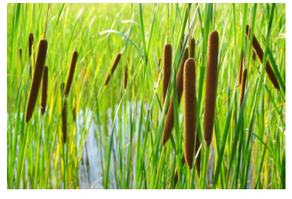
> Legacy of community collaboration
> Natural Landscape

<u>Sea & the Sky</u>
The epic sunrise and sunsets of Cape Breton

<u>Local Flora of Reserve Mines</u>
Beauty found in the natural environment, local species provide a source of inspiration for interior colours.

<u>Geology</u>
Local types found (outside of the coal seams) are sandstone, shale and sedimentary.



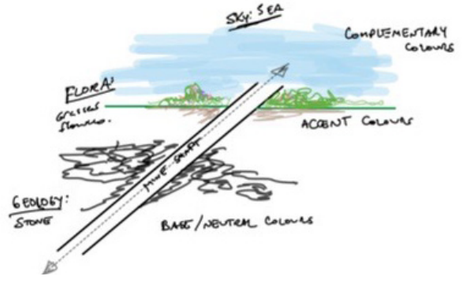



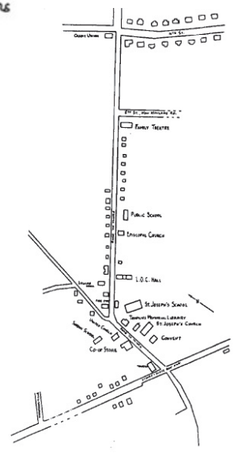
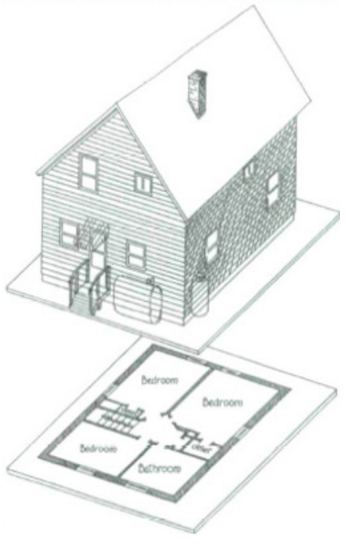











BUILDING DESIGN CONCEPTS

DESIGN INSPIRATION:
Colour & Material Palettes


580 Mineral White

51812 Lemon Yellow


57516 Screamin Pumpkin

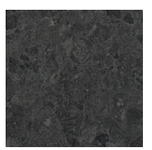

57517 Bodacious Blue


1298 Clover


00271 Blackstone


9307 Silver Shalestone


3450 Mineral Jet

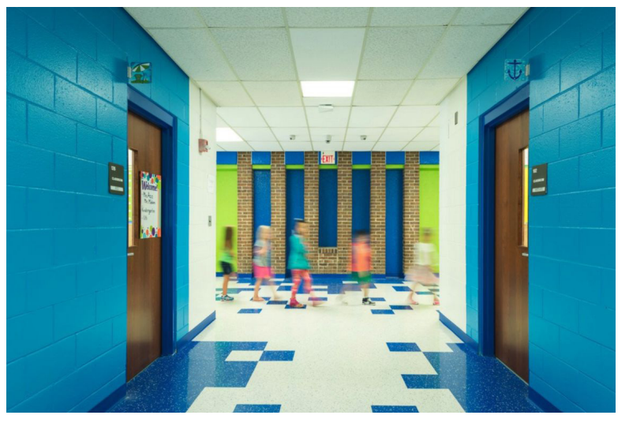

3450 Mineral Jet

Vinyl Composition Tile (VCT)
- main lobby, classrooms, corridor

Laminate
- counter tops
- corian at reception/library
- wood in learning centre

Tile:
- washrooms, kitchen
- material accent in key areas (administration, core area, etc.)

Colourful interiors for inspiration

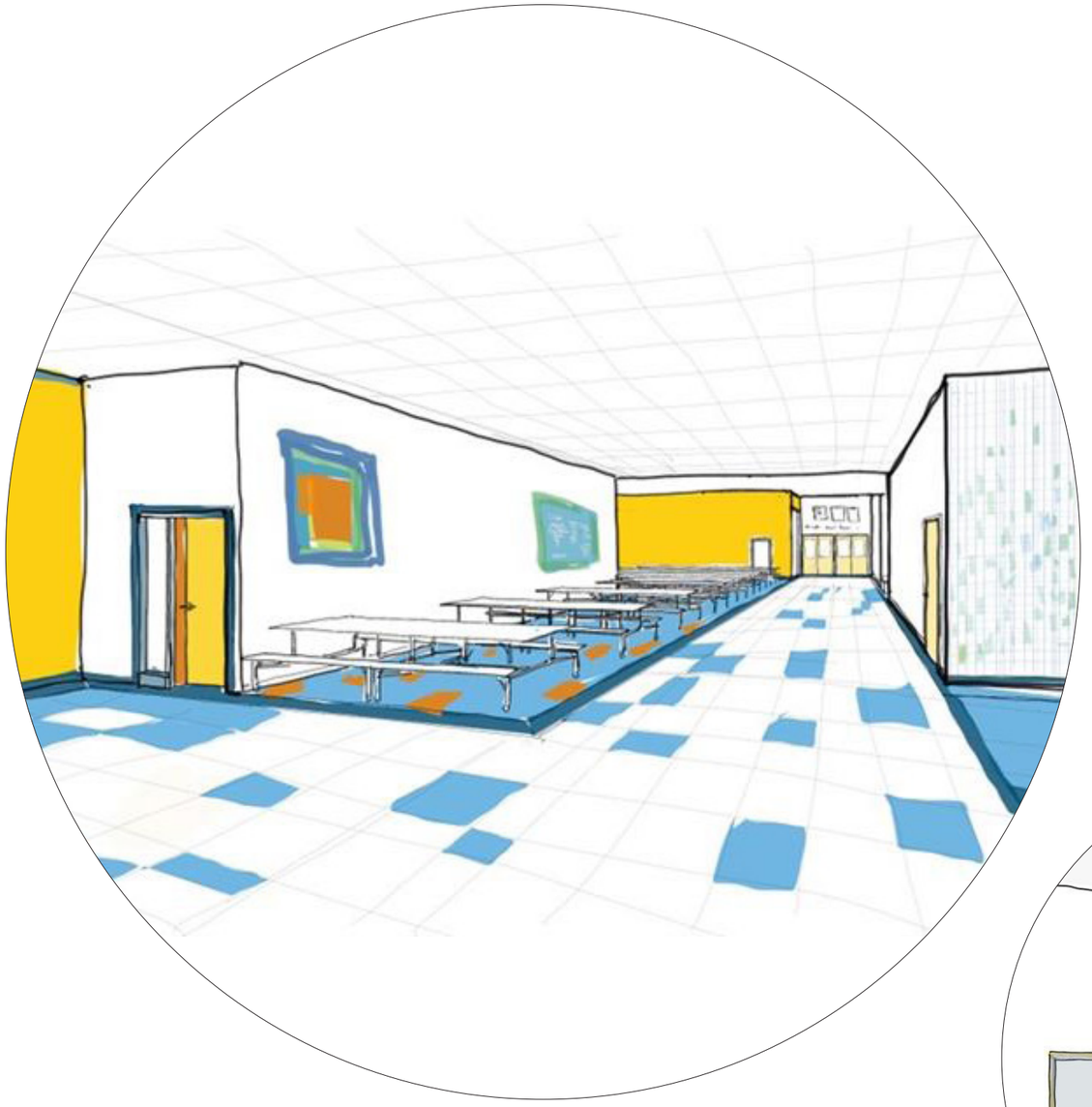


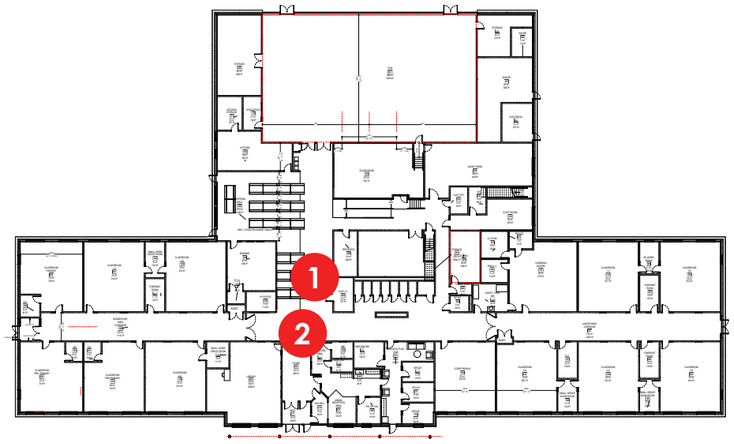
DESIGN CONCEPTS:

INTERIOR PERSPECTIVES

(For illustration purpose only and may not be reflective of final design)

> Entrance / Cafeteria





DESIGN CONCEPTS:

INTERIOR PERSPECTIVES

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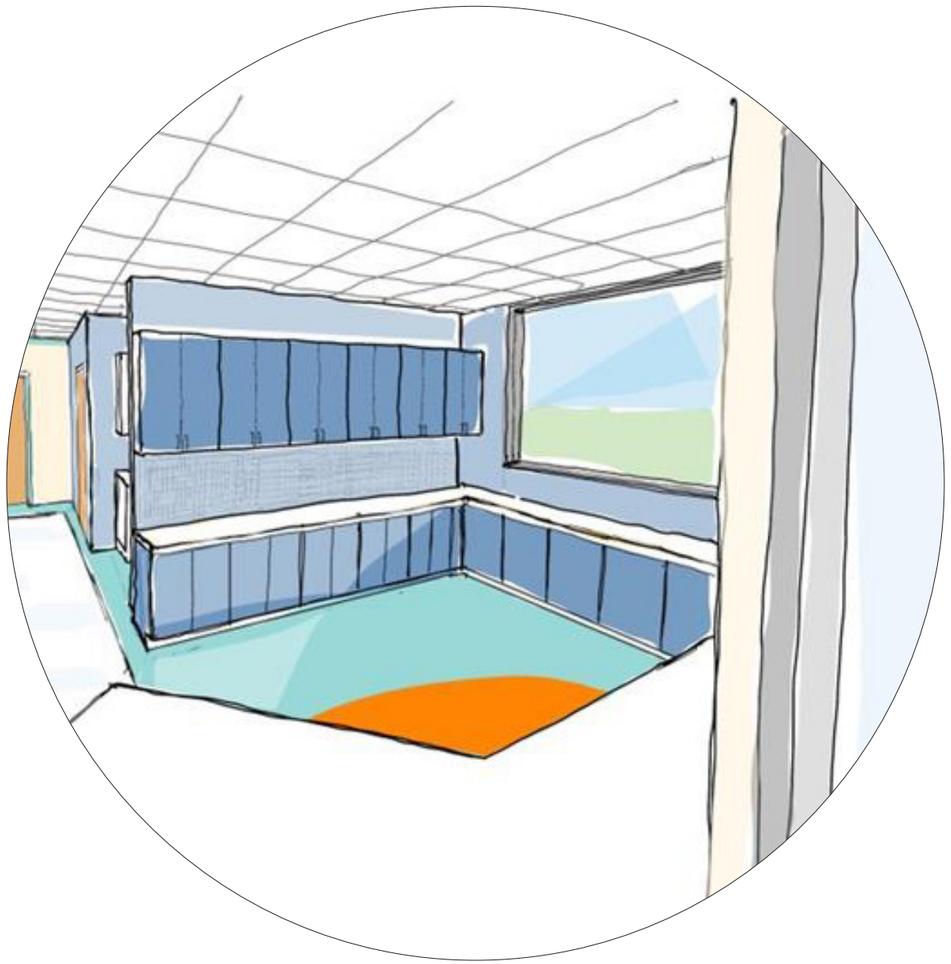
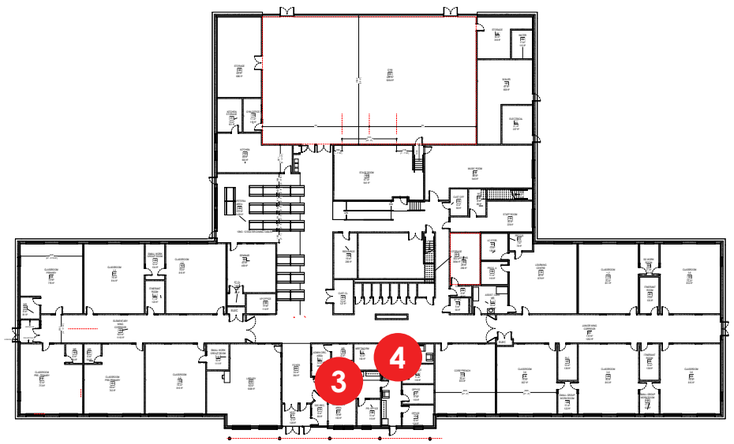
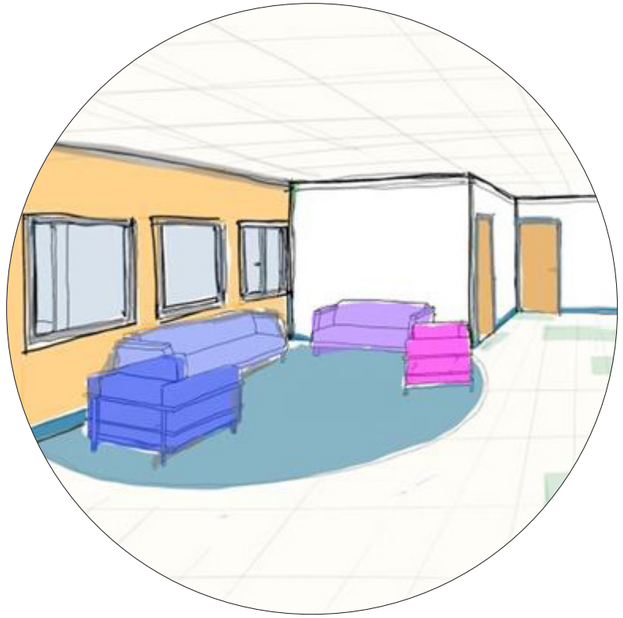
> Administration / Schools Plus







DESIGN CONCEPTS:

INTERIOR PERSPECTIVES

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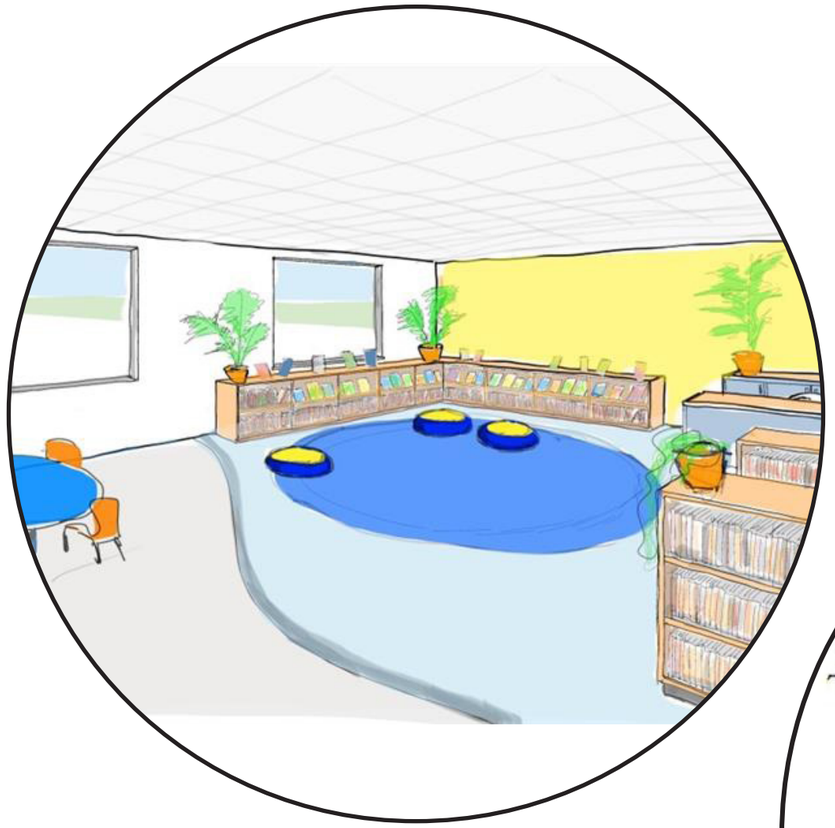
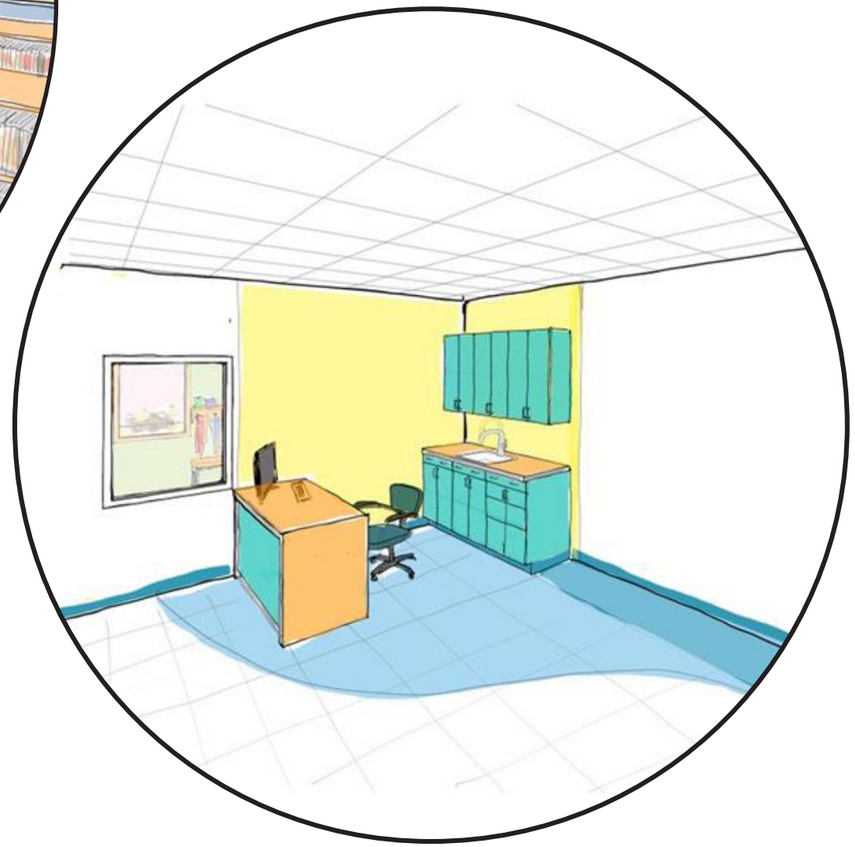
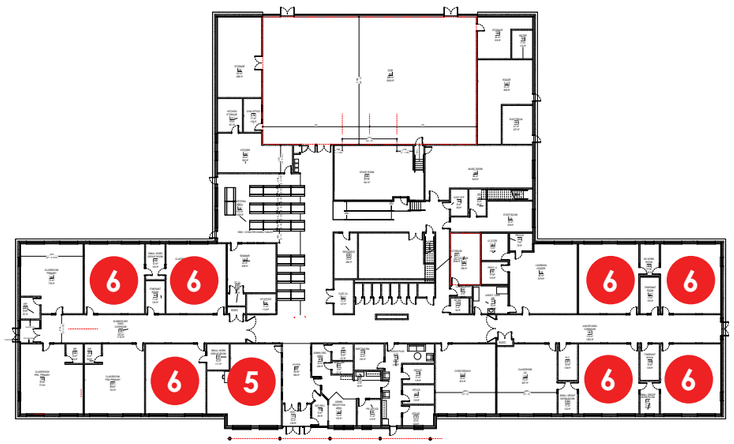
> Library

> Typical Classroom







DESIGN CONCEPTS:

EXTERIOR CONCEPTS

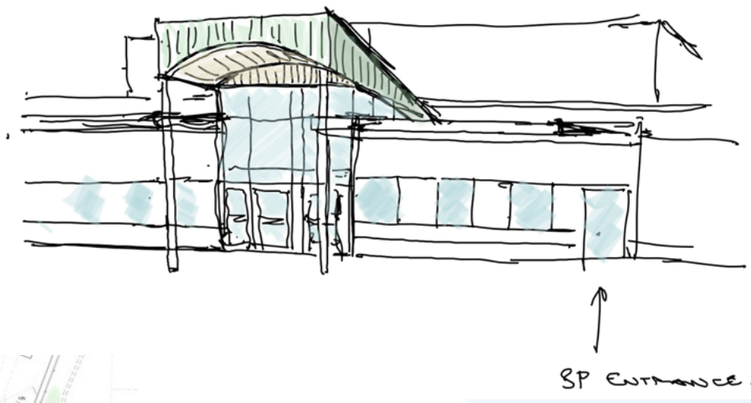
(Renderings for illustration purpose only and may not be reflective of final design)

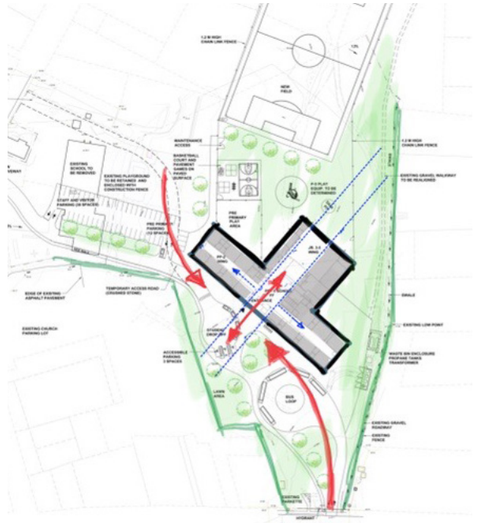
Precast insulated sandwich panels:

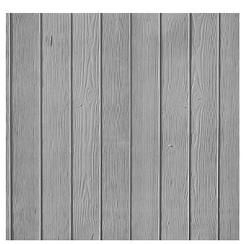
- finishes and customization
- signature community features
- performance

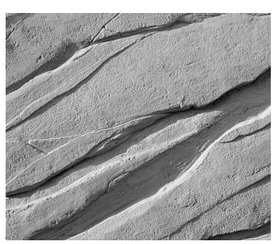
Non-combustible cladding:

- Standard colour metals,
- through-colour fibre cement large format panels,
- wood fibre integrated phenolic panels,
- porecelain tile and extruded aluminum plan.
- fire retardant treated wood for soffits/fascias
- Unit Masonry at the lower portion of walls









BUILDING MASSING

MAIN COMPONENTS:

1. **Entrance / Main Axis**
   - Library + Admin + Schools Plus
2. **Classroom Wings**
3. **Gymnasium**
4. **Building Core**
   - Stage & Music (main floor)
   - Mechanical Penthouse (second floor)
5. **Raised Corridor**
   - Mechanical service chase

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