AGENDA ITEM or FINAL CONTRACT REVIEW SUBMITTAL FORM

Agenda Item: Library Project Update & DRAFT Concept Design Package

Action Requested:

Parties to the Agreement:

Term Begins: **Term Ends:** **Grant Contract #:**

Summary:

Gunnison County Library Project Update; DRAFT Concept Design Package

Fiscal Impact:

Submitted by: Liz Mense **Submitter's Email Address:** EMense@gunnisoncounty.org

Finance Review: ○ Required ◉ Not Required

Comments:

Reviewed by: Discharge Date:

County Attorney Review: ○ Required ◉ Not Required

Comments:

Reveiwed by: Discharge Date: Certificate of Insurance Required

Yes ○ No ○

County Manager Review:

Comments:

Reveiwed by: GUNCOUNTY1\emense Discharge Date: 11/8/2019

○ Consent Agenda ○ Regular Agenda ○ Worksession Time Allotted: 30

Agenda Date: 11/12/2019

Revised April 2015

ANDERSON
HALLAS
ARCHITECTS

Gunnison County Library

Conceptual Design Package

Gunnison, Colorado
October 10, 2019

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Contents

The Conceptual Design Package includes the following:

1. Building Summary
2. Architectural Features
3. Site Features
4. Architectural Materials
5. Architectural Plans, Elevations, and Perspectives
6. Civil Narrative and Existing Survey with Utilities
7. Landscape – Preliminary Parking Sketch and Site Precedent Images
8. Structural Narrative and Preliminary Framing Plan
9. Mechanical and Plumbing Narrative
10. Electrical Narrative
11. Product Information Cut Sheets

Building Summary

The Gunnison County Library District is constructing a new Library building (pending approval of a Bond in upcoming election) to be located on an undeveloped site, approximately 5 acres in area, on the NW corner of the town of Gunnison, Colorado. The building is proposed to be a single story and approximately 13,800 GSF. The building's primary use is as a Public Library with multi-purpose rooms available to the community. The building is basically two volumes, connected via a lobby with (3) exterior doors with vestibules. The western building volume will include a custom circulation desk; enclosed social lobby with fireplace; adult stacks and reading room with fireplace; young adult space with book stacks and booth seating; flexible meeting spaces (one large room divisible into 4 private meeting rooms, see plans); a children's library with bookshelves and book bins, activity area, restroom, and playful story time area with soft tiered seating; library staff admin area including private offices, staff break room, book processing areas, staff workstations, and restroom; mechanical spaces are distributed throughout this volume in raised floor areas (children's and adult area) and within dropped ceilings (above the lobby and admin area). The eastern building volume includes a lobby with flexible seating areas; women's and men's restrooms (with mechanical areas above); warming kitchen; a large flexible meeting room with storage, divisible into two separate rooms; and mechanical and electrical rooms.

Codes: 2015 IBC
2015 IECC
Occupancy: A-3 Assembly – Library
Construction Type: VB (preliminary), with automatic sprinkler system
Gross Square Footage: 13,800

Assume construction beginning summer 2020, through end of year 2021.

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Architectural Features

The building's architectural character is reflective of the small mountain community in which it resides and is responsive to its large, relatively flat site. Beyond program adjacencies, the driving factors for the building and roof form are snow management and bringing light into interior spaces. The two building volumes have shed roofs with low slopes that are able to hold snow and direct snow to the outside eastern and western edges. Roof pop-ups on the west building volume create the appearance of a butterfly roof from the south and the north; clerestory windows along the east edge of this volume bring in additional light. The building is tucked up to the existing cottonwood trees along the western property line, with large expanses of west-facing glazing that open to the trees and views of the Palisade Mountain beyond. The adult and children areas feature ramps or steps to a raised floor; full glazing on two sides of these rooms creates a treehouse feeling. The low roof on the east side of the eastern building is a lower scale to face the adjacent residential neighborhood. The central lobby area which connects the two buildings has a lower flat roof with internal roof drains.

The exterior materials are a simple palette: board-formed concrete comprises the east elevations of both building forms, and metal "wood" slats in two tones clad the rest of the forms (alternates for the metal siding follow).

Site Features

The site is former ranch land, donated to the Gunnison County Library District by a local rancher and zoned specifically as a library. Site survey is pending; there is a fall of several feet from the NE end of the property to the SW corner; a ditch and county-maintained trail run along the west edge. This project proposes connecting the existing trail and the library via a small bridge and path for direct trail access. Gravel and hardscape are to be at exterior building areas for snow piling/storage in the winter and community events in the summer. 46 parking spaces are required, with pedestrian access from the SE corner of the site at Spencer Avenue and North 11th Street. The existing flora on the site will largely remain undisturbed; sage brush and wet areas are on the north part of the site, with mature cottonwood trees to the west. Walking paths will be added to connect the library to existing paths and to provide a "library loop;" some planting buffering and landscape rocks will be added to shield parking areas from view. Hardscape gathering areas will be located south of the children's area and north of the flex rooms for community gathering spaces, with cast concrete seating walls or stone boulder seating.

Refer to the following architectural material specifications, plans, and elevations for more information, as well as engineering narratives describing the proposed systems to be utilized throughout the building.

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Architectural Materials

Exterior Materials

- W1.2: Board formed concrete, horizontal forms with visible wood texture, see plans for heights and extents
- Exterior Siding:
  - Option 1:
    - W1.0: Alura Panel, horizonal application, woodgrain finish, with reveals
    - W4.1: Alura Panel, vertical application, dark prepainted finish
      - Alura Panel cutsheet follows
  - Option 2:
    - W1.0: horizontal redwood siding with reveals; with concrete base, integral color to match redwood siding
    - W4.1: concrete in form liner, dark integral color
- Roofing:
  - Snow guards, heat tape in gutters and through inset/integrated downspouts
  - Option 1: Metal standing seam roofing, double crimp seams
  - Option 2: Asphalt roll roofing
  - Flat roof between buildings: EPDM

Windows

- Storefront; 2 ½" x 4 ½" thermally broken aluminum storefront with Low-E insulated glazing, combination of fixed and operable for stack ventilation
- Internal storefront to be aluminum with single pane glazing; tempered

Interior Materials

- Hardwood flooring throughout lobby and flex room
- Porcelain floor tile in restrooms, warming kitchen, and break area
- Carpet tiles throughout stack areas, reading room, meeting room, and walk off mats
- Interior walls are to be 5/8" GWB, level 4 smooth finish, painted
- Bathroom tile and partitions to be mid-grade
- Dropped grid ceilings to be Armstrong Lyra High CAC (cutsheet follows)
- GWB ceiling above circulation desk; acoustic mineral fiber panels over lobby
- Room partitions are mobile acoustical partitions on sliding tracks
- Rubber flooring throughout children's area, with soft rubber surfacing at tiered reading area

FFE

- Architectural millwork includes custom circulation desk of wood veneer (solid wood alternate); casework in admin areas, break room, and warming kitchen to be P-Lam; stacks, casework, and book bins in children's area to be wood
- Standard book stacks with some custom wood shelving
- Flexible seating for lobbies, tables and chairs for flexible meeting rooms, reading chairs throughout building

Signage

- Large local granite or other stone slab, engraved, at SE corner of site

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Gunnison Library
Project No.: 19.1201
September 18, 2019

Concept Pricing Narrative - Civil

GENERAL

- Our understanding of the Site and Utilities is based on the Survey prepared by Timothy Pearson, dated December 19, 2008, site photos from the Architect and Google Earth views.
- Grade elevations on the survey are relative to 100 at a sanitary manhole near the intersection of Quartz Street and Spencer Ave. and are not at actual elevation.
- Per the survey, the site is 5.33 acres.
- No on-site easements are shown on the survey.
- A PDF of the Pearson Survey is attached for reference.

DRAINAGE/STORM

- Drainage generally flows from northeast to west/southwest. Existing drainage patterns will be maintained.
- No storm piping is proposed as the drainage is proposed to sheet flow per existing drainage patterns. Fill material may be required to accomplish this. Alternatively, storm piping and inlets may be required within the parking lot to collect and convey drainage. The parking lot layout has not been developed to date.
- Water quality and detention are assumed to be required and is anticipated to be provided in the form of an open pond on the west side of the site. The pond would have a concrete outlet structure with 12-18-inch RCP pipe outlet to the west with flared end section and riprap armoring at the outlet.
- It is assumed that no off-site storm improvements are required

EARTHWORK/EROSION CONTROL/STABILIZATION

- A Geotechnical report is forthcoming.
- Fill material may be required to raise the site to drain at a minimum slope.
- Due to the relatively flat nature of the site, it is assumed that retaining walls will not be required.
- Wet utility trenching is expected to be approximately 5-6ft of cover on top of utilities. Dry utilities will likely be approximately 3ft of cover (refer also to MEP).

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LAKEWOOD, COLORADO 80215
MAIN 303.431.6100
MARTINMARTIN.COM

- Provide allowance for erosion control. Potential erosion and sediment control measures to be used might include silt fence, sediment control logs, curb socks, concrete washout area, designated material storage areas.

WATER

- There are water mains in Quartz Street and Spencer Avenue, however, line sizing and material are currently unknown. We assume that the line in Quartz continues to the north (not shown on survey) such that the line in Quartz Street is a looped line.
- Based on preliminary input from MEP, the proposed service is estimated to be 2-inch with underground/outdoor 2-inch meter and meter manhole. Routing would likely be approximately 200LF from the main in Quartz street. Assume copper material with 5-6ft cover for burial.
- The available water pressure and volume is currently unknown, however, there are assumed to be adequate to serve the project.
- It is assumed that no off-site water improvements are required.

FIRE

- The building is proposed to be sprinkled, therefore, a new 6-inch fire service line will need to be installed.
- It is assumed that adequate fire suppression volume and pressure can be delivered to the site, however, the available water pressure and volume is currently unknown.
- The Fire service is anticipated to be 6-inch DIP with appropriate restraint and thrust blocks. The service length could be approximately 200LF with routing likely tapped from the main in Quartz Street.
- The size and material of the existing water main is currently unknown.
- There are two existing fire hydrants to the east of the side in Quartz Street. One is near the intersection of County Road No. 2 and Quartz and the other hydrants it approximately 400ft north of the intersection of County Road No. 2 and Quartz.
- One or two new fire hydrants may be required pending AHJ coordination, actual building location and required fire flow. Based on the current fire hydrant locations, it appears that 250ft hose pull (if allowed; 150ft may be required) may not be feasible. For concept pricing, assume that one new fire hydrant with extended lateral (150 ft) is required. Volume and pressure through the extended lateral may need to be evaluated during upcoming design phases.

SANITARY

- There is a sanitary main in Quartz Street, however, line sizing and material are currently unknown. The line in Quartz flows to the south based on the invert elevations shown on the survey.
- Based on preliminary input from MEP, the proposed service is estimated to be 4-inch. Routing would likely be approximately 200LF from the main in Quartz street. Assume SDR 35, PVC material with 5-6ft cover for burial.
- It is assumed that there are no capacity issues with the existing sanitary main or City treatment system. It is assumed that no off-site sanitary improvements are required.

WALKWAYS, PAVEMENT, PARKING

- Refer also to Landscaping.
- Concrete: Provide 6-inch thick concrete walks. Refer to Landscaping for layout.
- Assume a half dozen or so accessible ramps will be required for pedestrian access.
- Asphalt: Assume 6-inch thick for parking areas and 9-inch thick for drives and roads (to support emergency vehicles).
- An alternate of pavers and/or porous paving could be considered to reduce stormwater runoff.
- Curb and gutter: assume curb and gutter around parking and drives.
- Signage Striping: Provide allowance to provide new signage & striping for the parking lot and accessible parking spaces.
- It is understood that the site will have access off of both County Road No. 15 and Quartz Street such that two curb entries will be required.
- Since the majority of County Road No. 15 does not currently have curb and gutter or sidewalk, it is suspected that approximately 200 LF of curb and gutter and (5-8ft wide) sidewalk will need to be installed along the south edge of the site. Assume that approximately 2ft of the existing asphalt will need to be sawcut and replaced.
- It is assumed that no other off-site road improvements are required. Future widening of County Road No. 15 is understood to be funded separately.

GAS, ELECTRIC/POWER, TELEPHONE

- Gas: There is an existing gas line in County Road No. 15, however, line size, material and pressure are currently unknown. Refer to Mechanical for additional gas discussion or improvements.
- Electric: There is an existing overhead power line on the south side of County Road No. 15.
- Telephone: There is an existing telephone line on the south side of County Road No. 15 adjacent to a portion of the site.
- Refer to Electrical for additional power and/or communication discussion or improvements.

Gunnison Library
September 19, 2019

GENERAL

The project includes construction of a new library facility consisting of a single story above grade building with three distinct sloping roof areas. The southern area contains the flex room and kitchen, while the north and east areas contain the Children's and Young Adult programs. Proposed building location is at the Library-owned Van Tuyl site.

FOUNDATIONS

1. **Foundation Type:**
   A soils report has not been performed for the site. From experience in the area we anticipate the foundation system will be shallow spread footings. Building perimeter walls are expected to be supported on foundation walls above continuous strip footings placed 36 inches below exterior grade for frost protection. Total perimeter foundation depth will be 36 inch minimum to top of foundation stem wall. Stem wall width will equal the exterior wall assembly width but will not be less than 8".
2. **Interior Slab:**
   The interior slab consists of traditionally reinforced 4" concrete slab-on-grade supported on compacted subgrade.

SUPERSTRUCTURE

1. **Roof Structure:**
   A heavy timber option and a structural steel option are provided for the roof structure. For the heavy timber option, the three mono-sloped roofs will be supported on a combination of load bearing wood framed 2x6 walls and in-wall posts. The roof's distinct features are the large eave overhangs, roof plane at an angle to the exterior walls, and dormered roof corners that project vertically above the plane of the mono-slope roofs.

   - **Heavy Timber Option (See Attached Concept Drawing):**
     - Glulam Beams & Cross Laminated Timber (CLT) panels
     - 5-ply (105V) CLT Panel (Grade V2M1.1) - Typical Interior Roof
     - 8 ¾"x36" 24F-V8 DF Glulam beams at 10'-0" max on-centers spanning up to 50'. The top of the beams will be factory cut to achieve the roof cross slope. The ends of the beams will be notched to a shallower depth to support the roof eave.

and that both are true and correct to the best of my knowledge. Monuments have been set or found as shown hereon.

Dated this _____ day of December, 2008.

Timothy E. Pearson
Colorado L.S. No. 34979

PROPERTY DESCRIPTION – RECEPTION # 572456

Township 50 North, Range 1 West, N.M.P.M.

A tract of land within the NW1/4NE1/4 of Section 35, said township and range, being more particularly described as follows:

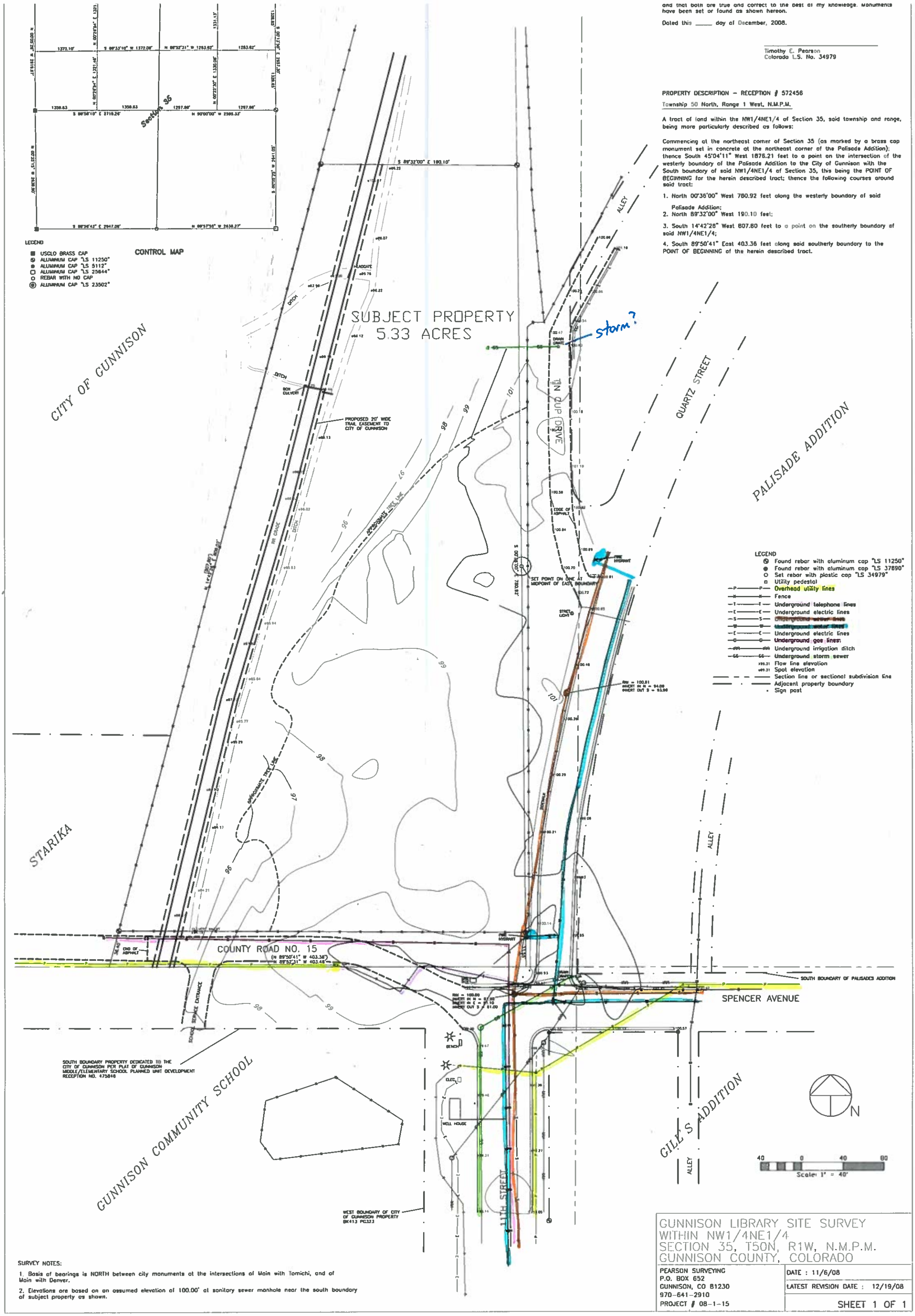
Commencing at the northeast corner of Section 35 (as marked by a brass cap monument set in concrete at the northeast corner of the Palisade Addition); thence South 45°04'11" West 1876.21 feet to a point on the intersection of the westerly boundary of the Palisade Addition to the City of Gunnison with the South boundary of said NW1/4NE1/4 of Section 35, this being the POINT OF BEGINNING for the herein described tract; thence the following courses around said tract:

1. North 00°36'00" West 780.92 feet along the westerly boundary of said Palisade Addition;
2. North 89°32'00" West 190.10 feet;
3. South 14°42'28" West 807.80 feet to a point on the southerly boundary of said NW1/4NE1/4;
4. South 89°50'41" East 403.36 feet along said southerly boundary to the POINT OF BEGINNING of the herein described tract.

LEGEND

- USGLO BRASS CAP
- ALUMINUM CAP "LS 11250"
- ALUMINUM CAP "LS 5112"
- ALUMINUM CAP "LS 25844"
- REBAR WITH NO CAP
- ALUMINUM CAP "LS 23502"

CONTROL MAP

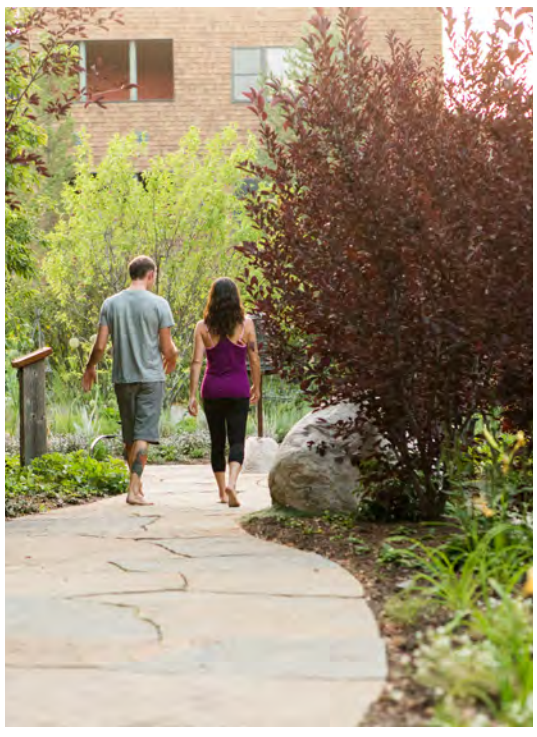


SURVEY NOTES:

1. Basis of bearings is NORTH between city monuments at the intersections of Main with Tomichi, and of Main with Denver.
2. Elevations are based on an assumed elevation of 100.00' at sanitary sewer manhole near the south boundary of subject property as shown.

GUNNISON LIBRARY SITE SURVEY
WITHIN NW1/4NE1/4
SECTION 35, T50N, R1W, N.M.P.M.
GUNNISON COUNTY, COLORADO

PEARSON SURVEYING P.O. BOX 652 GUNNISON, CO 81230 970-641-2910 PROJECT # 08-1-15	DATE : 11/6/08 LATEST REVISION DATE : 12/19/08 SHEET 1 OF 1



CONCEPT IMAGERY/ Native Plant Material & Trails

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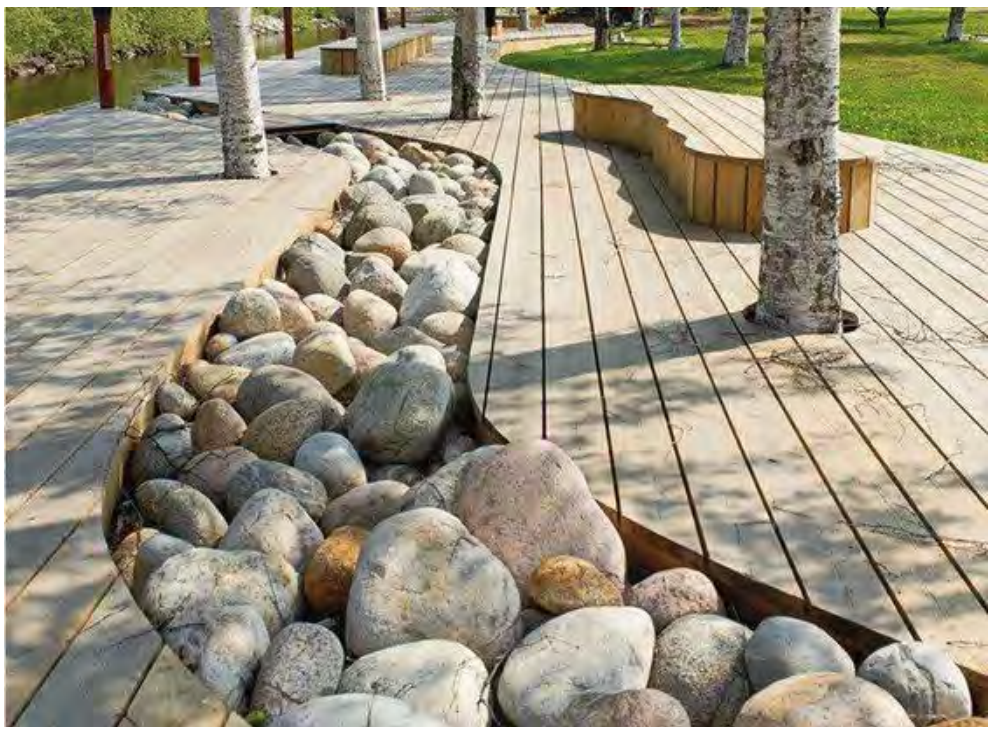
DHM DESIGN



CONCEPT IMAGERY/ Outdoor Gathering & Seating

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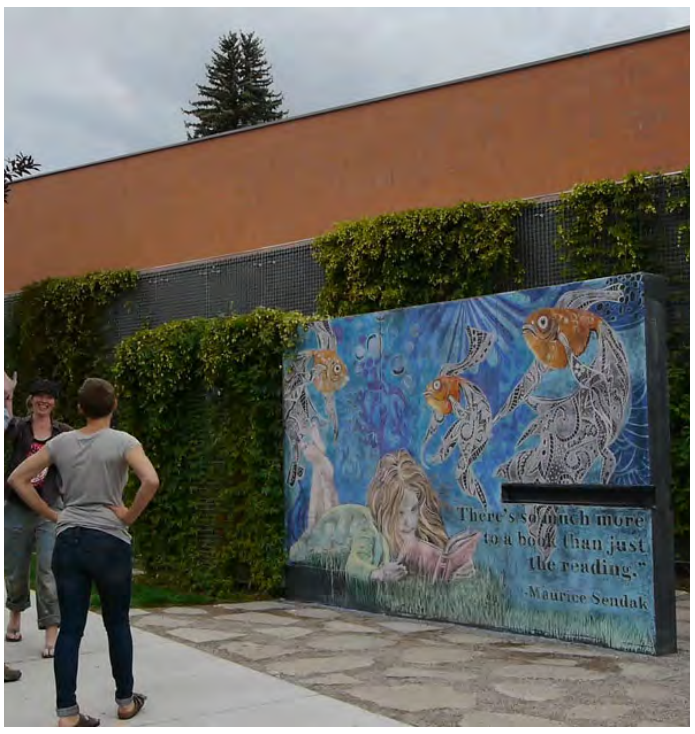
ANDERSON HALLAS ARCHITECTS

DHM DESIGN



CONCEPT IMAGERY/ Outdoor Education & Children's Area

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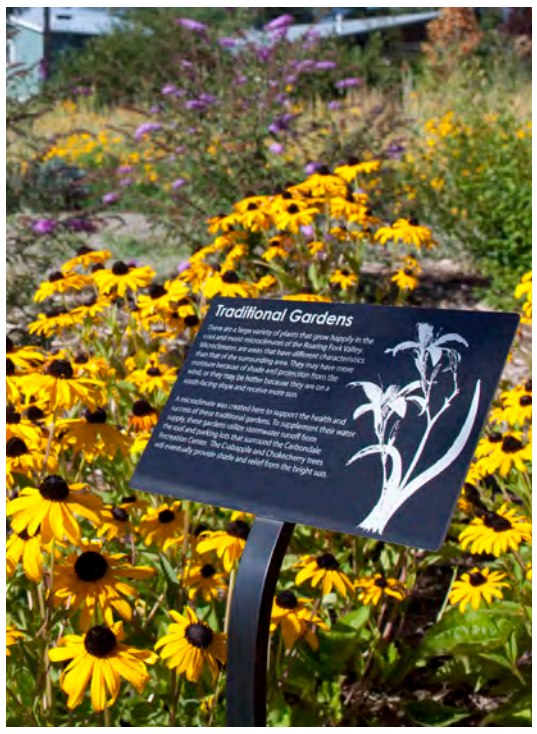
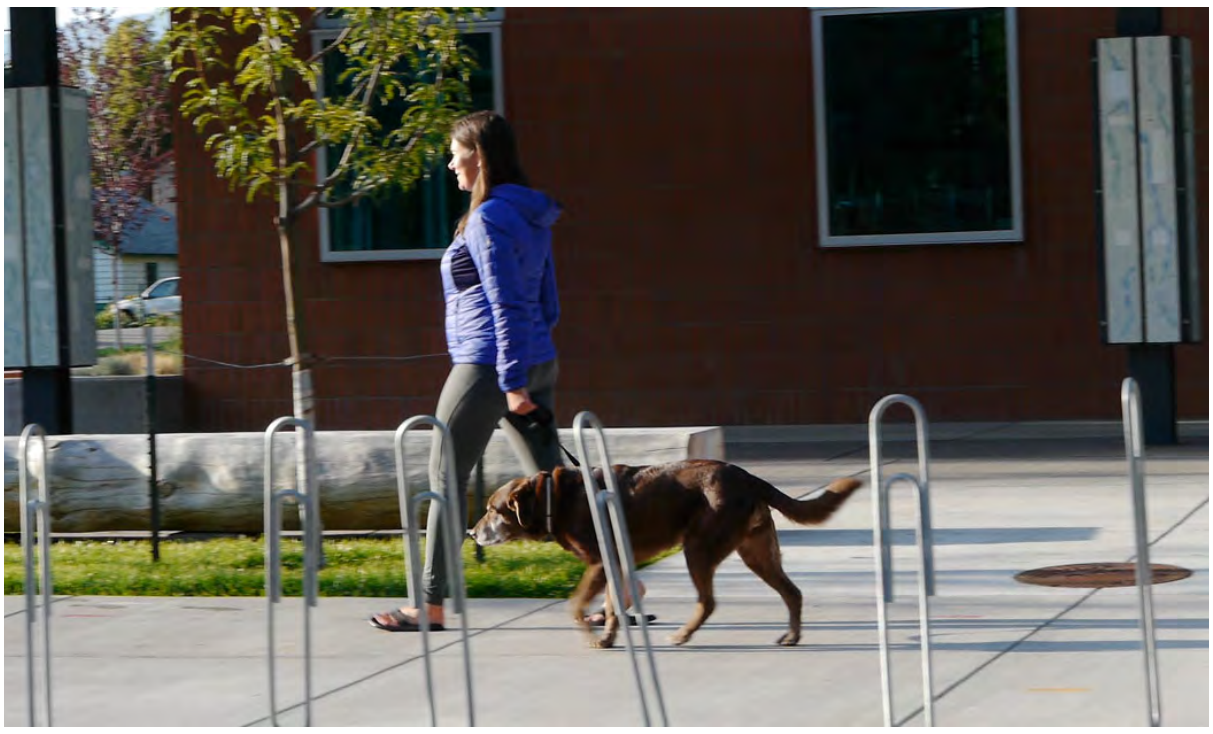
ANDERSON HALLAS ARCHITECTS

DHM DESIGN





CONCEPT IMAGERY/ Site Amenities

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DHM DESIGN

- **Steel Beams & CLT Panel Option (See Attached Concept Drawing):**
  - 5-ply (105V) CLT Panel (Grade V2M1.1) - Typical Interior Roof
  - W24x94 Steel Beams at 10'-0" max on-center spanning up to 50'. A bent plate will be provided at the top of the steel beams to achieve the roof cross slope. Beams will be notched at eave to a shallower depth.

- **Steel Bar Joist & Metal Roof Deck Option (See Attached Concept Drawing):**
  - 3N, 18 Gauge Steel Deck - Typical Roof
  - 32LH10 Steel Joists at 10'-0" max on-center spanning up to 50' with joist tail extension at roof eaves. A bent plate will be provided at the top of the steel beams to achieve the roof cross slope.
  - Edge girders will be steel beams supported on steel tube posts.
  - The roof rake will be supported by the deck cantilevering off the edge beam and/or hidden steel channels reinforcing the deck.

LATERAL SYSTEM

1. **Description:**
   The building roof structure will be laterally supported by 2x6 shear walls with OSB or plywood sheathing. The CLT roof in the heavy timber option or roof metal deck in the steel option will be the primary diaphragm distributing lateral loads to the supporting shear walls. In the conventional steel framing scheme, a roof steel deck will be used as the primary diaphragm for lateral load distribution to the supporting shear walls.

EXTERIOR WALL

The architectural design envisions glazed exterior walls to let light into the building as well as durable finishes.

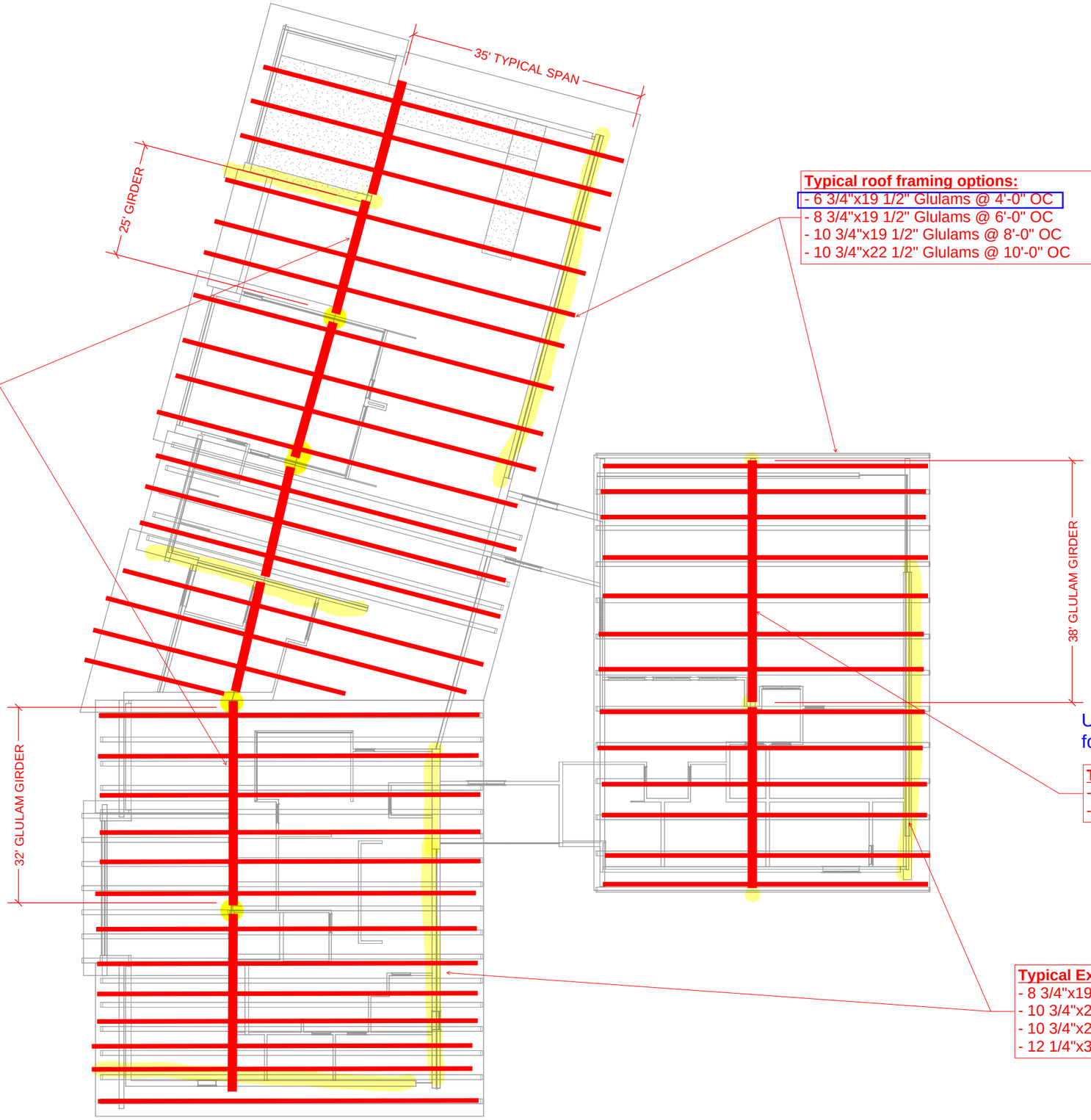
1. **Exterior Structural Shear Wall Framing:**
   Wood-sheathed, wood-framed shear will be utilized to resist lateral wind and seismic forces.
   - Wood walls will be framed with 2x6 Douglas-Fir (D.F) studs typically @ 16" on-center.
   - All load bearing shear walls will the D.F. #2 Grade.
   - Shear wall sheathing will consist of 1/2" C-D APA-Rated Plywood or OSB sheathing.
   - Struct 1 APA-Rated sheathing, and/or double-sided shear walls, may be used at highly loaded shear walls.
   - Simpson tiedowns will be used at the end of each shear wall segment to provide overturning resistance.

DESIGN CRITERIA

1. **Building Code:**
   The project will be designed in accordance with the 2015 International Building Code with City of Gunnison Design Standards:
   - Risk Category II
2. **Gravity Design Loads**
   - Roofs: LL_r=20psf
   - Floors: LL=100psf
   - Snow: SL=40psf
   - Eave loads (ice dams) SL= 64psf
3. **Wind Criteria**
   - Va=90 mph
4. **Seismic Criteria**
   - Expected Seismic Design Category is B
   - Expected Ss=0.31 and S_1=0.086.
5. **Deflection criteria**

- Roof beams will be designed for snow load deflection criteria of L/360 and total load deflection criteria of L/240. Deflection criteria for beams over storefront systems and sliding doors will be set by the product manufacturer.

All preliminary member sizes are sized for CLT roof structure. For steel roof deck reduce the typical framing depth by 2" on average.



Typical roof framing options:
- 6 3/4"x19 1/2" Glulams @ 4'-0" OC
- 8 3/4"x19 1/2" Glulams @ 6'-0" OC
- 10 3/4"x19 1/2" Glulams @ 8'-0" OC
- 10 3/4"x22 1/2" Glulams @ 10'-0" OC

Typical Interior Dropped Girder Options:
- 8 3/4"x24" Glulam 25' span
- 8 3/4"x30" Glulam 32' span
- 10 1/4"x27" Glulam 32' Span

Using Steel wide flange for girders - typ

Typical Interior Dropped Girder Options:
- 10 1/4"x33" Glulam 38' Span
- 12 1/4"x31 1/2" Glulam 38' Span

Typical Exterior Girder Options:
- 8 3/4"x19 1/2" Glulam 20' Span
- 10 3/4"x21" Glulam 25' Span
- 10 3/4"x27" Glulam 30' Span
- 12 1/4"x30" Glulam 35' Span

13 September 2019

Gunnison County Library
Mechanical Conceptual Narrative

Background

Owner goals/priorities

- Sustainability is a high priority for both the county and the community.
- Building performance and maintenance is more important than building certifications.
- Preliminary EUI goal is 30 kBTU/SF/yr.
- Desire to minimize carbon footprint, which may mean avoiding/minimizing use of fossil fuels.
- Site location is remote from metro areas, so resiliency and redundancy are important, as well as ease of maintainability and serviceability.
- Desire for CO_2 sensors to control ventilation because of variable schedule of occupancy.
- Desire to minimize outdoor mechanical equipment.
- Geothermal systems are common in the area and typically have short payback periods.
- Possibility of radiant floor heat.
- Acoustics are also important, as it is a library.
- Potential for interactive display for education and community engagement displaying real-time energy and water usage and conservation strategies.

Mechanical System Concepts

- Geothermal heat pump system is preliminary concept for primary heating and cooling of space.
- Geothermal water-to-water heat pumps could be used for radiant floor heating.
- Distributed units provide resiliency to building heating and cooling and multiple geothermal loop pumps provides redundancy.
- There is a concern of heating to cooling imbalance over long-term for geothermal field. Supplemental boiler will be necessary.
- Outside air economizers can be utilized for cool, sunny days, which are common in the area.
- Passive cooling for nights and evenings could be utilized as well.
- Mechanical commissioning will be incorporated to ensure system is operating properly at turnover and long term.
- Alternative mechanical systems could be packaged VAV, split VAV air handling units, variable refrigerant flow units with dedicated outside air system.

Plumbing System Concepts

- Low flow plumbing fixtures will be specified throughout.
- Geothermal water-to-water heat pump could provide hot water through heat exchanger.

Fire Protection

- Provide fire sprinkler system throughout building.

ELECTRICAL ENGINEERING CONCEPTUAL DESIGN NARRATIVE

Gunnison County Library
Gunnison, CO

September 20, 2019

1. Electrical Distribution System

The electrical design criteria is based on allowances for interior lighting, exterior lighting, mechanical systems, kitchen equipment, and miscellaneous power systems. The estimates are based on historical data for similar facilities. The following power density estimates are used for preliminary electrical service sizing. It is anticipated that this facility will be designed with efficient mechanical and electrical systems causing these preliminary estimates to be on the high side and specific equipment sizing is to be adjusted as the design progresses.

The anticipated electrical density load estimates are as follows:

Load Type	System Sizing Load (VA/SQFT)
Mechanical Equipment Loads	15.0
Interior Lighting Loads	2.0
General Purpose Loads	6.0

Based on a the overall building use and the associated electrical loading, at a voltage of 208/120 volts, three phase, the estimated service size shall be **1000 amps**.

The following codes are the basis of this design:

A. International Building Code 2015
B. International Energy Conservation Code 2015
C. NFPA 72, IFC 2015
D. National Electric Code 2017

2. ELECTRICAL DISTRIBUTION SYSTEM

The electrical distribution shall be through a new pad mounted utility transformer by the City of Gunnison. It is anticipated that a new three phase pad mounted transformer will be located at the southwest side of the building. All utility and power requirements shall be coordinated through the City of Gunnison, (970)-641-8330. Contractor to confirm exact Euserc and disconnecting requirements prior to installation. The main electrical equipment is to be located at the building exterior, likely on the west side of the building. Location of sub distribution and general power panels to be fully coordinated with architect, mechanical/plumbing engineer as the design progresses. One utility meter is to be provided for the entire structure. The Contractor shall install the secondary feeders to the main distribution center located at the exterior. The ampacity and overall feeder distribution of the electrical equipment will be revised as the design moves forward and the loads are better defined. The Main Distribution Center is anticipated to include a 1000 amp main, integral CT's for metering, transient voltage surge suppression, a 400 amp feed to a

dedicated 400 amp 84 ckt. mechanical equipment panel, and (2) 225 amp feeds to (2) 225 amp 84 ckt. general power/lighting panels.

Provide add alternate pricing for the inclusion of a 60kW, 208V, 3-phase, natural gas powered stand-by generator. Generator will be used to provide stand-by power to Owner specified loads within the building. Anticipate (1) automatic transfer switch and (1) 200A, 42 circuit electrical panel. This generator will not be used to provide life safety power to the emergency systems.

Refer to the mechanical system design narrative for a further understanding of the anticipated mechanical systems.

3. **Emergency Power**

   a. Emergency battery packs integral to the main light fixtures will be used in throughout the building. As an alternative, the design team may explore the feasibility of backing up these fixtures using a centrally-located, battery-powered lighting inverter located in the electrical room(s).

   b. All egress light fixtures, battery packs and/or central inverters, will be specified with automatic self-testing / self-diagnostics, in addition to the code-required manual test switch.

   c. Fire alarm systems will have self-contained integral batteries to operate equipment for a code-mandated minimum time duration, during the event of a power outage.

4. **Lighting Systems Summary**

   a. For preliminary pricing associated with this library facility, the contractor shall carry budget pricing for lighting and controls (materials only) costs as follows:
      i. Exterior Lighting: $0.75/SF
      ii. Interior Lighting: $10.00/SF
      iii. Lighting Controls: $2.00/SF

   b. The following standards are proposed:
      i. LED light sources are to be used throughout.
      ii. All fixtures will be specified with correlated color temperature (CCT) of either 3500 or 4000-4100 degrees Kelvin. (One or the other throughout project; not both.)
      iii. All interior fixtures will be specified with a minimum color rending index (CRI) rating of 80. (Exterior fixtures will be specified with a minimum CRI rating of 70.)
      iv. Exterior lighting will be downcast, avoiding wasted energy and light shining up into the sky. This is also an important aspect of exterior lighting design to comply with standard “dark sky” lighting design requirements.
      v. Keyed switches will be used within public circulation areas (corridors, lobbies, vestibules, etc) for after-hours override of the programmed on/off lighting control schedule.
      vi. Controls hardware will be by a single manufacturer throughout.

c. Lighting design will consider ease of maintenance, energy efficiency and suitability for the environment. Fixture types for each application and room type are yet to be finalized, pending the programming of each room/space which will guide the selection of the most suitable type(s) of fixtures to be used therein.

5. Sustainability Measures

a. As mentioned above in the lighting section, energy efficient, extended long-life LED fixtures will be used throughout to achieve the greatest lumen/watt values as well as reducing the maintenance and replacement costs over the lifetime of the fixtures.
b. A building wide Energy Use Intensity goal of 30 has been established.
c. Advanced lighting controls will be used throughout the building to provide complete building automation capabilities. Current energy codes do provide extensive requirements for energy reduction however additional strategies beyond code minimums will be explored to push the boundaries of energy efficiency even further. The following strategies will be looked at throughout the building:
    i. Vacancy/occupancy sensors will be used in all smaller, enclosed spaces to only allow the fixtures to be "ON" when the space is occupied.
    ii. Dimming controls will be used as required to meet programming needs.
    iii. The use of daylight-harvesting controls by means of indoor photo-cell sensors – with continuous full-range dimming down to 10% – will be incorporated in areas with daylight zones (near windows and skylights).
    iv. A centralized lighting control system that has the flexibility to extinguish light fixtures in areas that may not be used at various times of the day or when daylight is providing adequate illumination.
    v. Exterior fixtures are controlled by an astronomical timeclock in the centralized lighting controls system that automatically adjusts the lighting control to coincide with the sunset times throughout the year. Additional techniques such as late night dimming and/or motion sensing fixtures will be used to further reduce the electrical usage of luminaires overnight.

d. A 25kW Photovoltaic (PV) system will be designed for the building. It is anticipated that the PV array will be free standing, located on the site directly north of the building, however rooftop options will be explored as well. Further investigation will be required to determine if the array type will be fixed or have tracking capabilities.
    i. A graphic user interface will be provided within the library to be used as an educational item showing PV production, energy savings, building performance, etc.

6. Fire Alarm System

a. The occupancy type for this building is 'A'. For the base bid building construction type VB, the building is sprinklered. According to the 2015 IBC, a fire alarm system shall be provided to monitor the sprinklers, and notify occupants of an emergency.

b. Provide pricing for a fully engineered fire alarm system. The fire alarm system shall be a fully-addressable fire detection and alarm system per the requirements of 2015 International Fire Code, NFPA 72, and the Gunnison Fire Department. The system initiation devices shall include pull stations at each exterior door; duct detection per the requirement of the applicable mechanical codes; smoke / thermal detection at the fire alarm panel, annunciator, and mechanical room; and flow and tamper switches monitored by a central fire alarm panel and remote fire alarm annunciator. Notification devices shall include horns and strobes located per NFPA 72 and the Americans with Disabilities Act.

7. Voice/Data and Cable Systems – A/V – Security – Paging / Intercom

a. The Owner shall provide all low voltage systems including the voice/data & cables systems, the public address & music system, and security systems. The contractor shall be responsible for the conduit and 120V connections at head-end equipment as required as well as all conduit and backbox rough-in per the requirements of the low-voltage contractors. The electrical contractor shall be responsible for furnishing conduit and wire to powered junction boxes identified by the low voltage contractors.

b. The Contractor shall be responsible for the service conduits from the phone and cable company pedestals to the system backboards in the main IT room. Service entrance requirements are anticipated to be (2) 4" conduit with 'inner-duct' for voice/data, and (1) 2-1/2" conduit for CATV, equipped with pull-string, and the backboard shall be 4'x8' fire-treated plywood, with #6 CU grounding.

8. Commissioning (CxA)

c. Commissioning of the Lighting and Lighting controls systems shall be provided throughout the design and construction process. Develop and coordinate the execution of a design review and functional testing plan, and observe and document performance - that is, determine whether systems are functioning in accordance with the documented design intent and in accordance with the contract documents. Review of the design concept, design criteria, compliance with codes, as well as coordination review for construction scheduling, cost estimating, and construction management shall be completed by the CxA.

d. As part of the commissioning plan, the following electrical systems shall be commissioned (Fundamental and Enhanced Commissioning):
   i. Lighting Fixtures
   ii. Lighting Controls:
      1. Control panel and scheduling
      2. Occupancy/vacancy sensors
      3. Daylighting harvesting control devices.

9. Lightning Protection System

a. A lightning protection system for the building will be provided in the form of a performance specification provided by AE Design. AE Design will provide risk assessment for review and approval by owner. Contractor is to provide a line item add alternate cost associated with providing and installing a UL Master Label Lightning Protection system for this building. AE Design to assist Owner in reviewing these costs and associated risks of installing or not installing a lightning protection system in order to decide if such a system is appropriate for this building. Factors such as damage from snow and ice shall be considered when looking at this design.

ALURA PANEL
PRODUCT GUIDE

IMARK
ARCHITECTURAL METALS

PANEL REVEAL SPECIFICATIONS

6″ Reveal

5.75″ Coverage, Concealed Fasteners

A commercial grade panel installed with a built-in fastening method. Ideal for feature walls, long spans and areas of distinction. With a .75" reveal this panel can span up to 12' to provide a contemporary look similar to other siding materials such as metal cladding.

Narrow

4″ Coverage, Concealed Fasteners

A very popular panel for siding, the 4" Narrow utilizes a built-in fastening method. Utilizing hidden fasteners, this panel provides long, clean lines and works well in any environment.

6.4″ Coverage, Concealed Fasteners

The "Narrow" profile can be extended to a 6.4" coverage metal siding panel for maximum exposure. For a clean repeatable look the 6.4" Narrow profile provide modern lines and a nice balance that works well in commercial applications increasing the visual appeal of the wall.

APPLICATIONS

Metal siding is an increasingly popular option for residential and commercial buildings. The diverse variety of panel options has helped drive this trend, matched with metal's longevity and minimal maintenance.

Horizontal

Horizontally run panels are currently very popular when going for a modern look. The horizontally run wall panels are often used for their ability to be run in longer lengths, creating a seamless line the length of a building.

Vertical

A popular option in commercial, residential and agricultural applications, vertically run metal siding provides clean lines and and draws the eye upward.

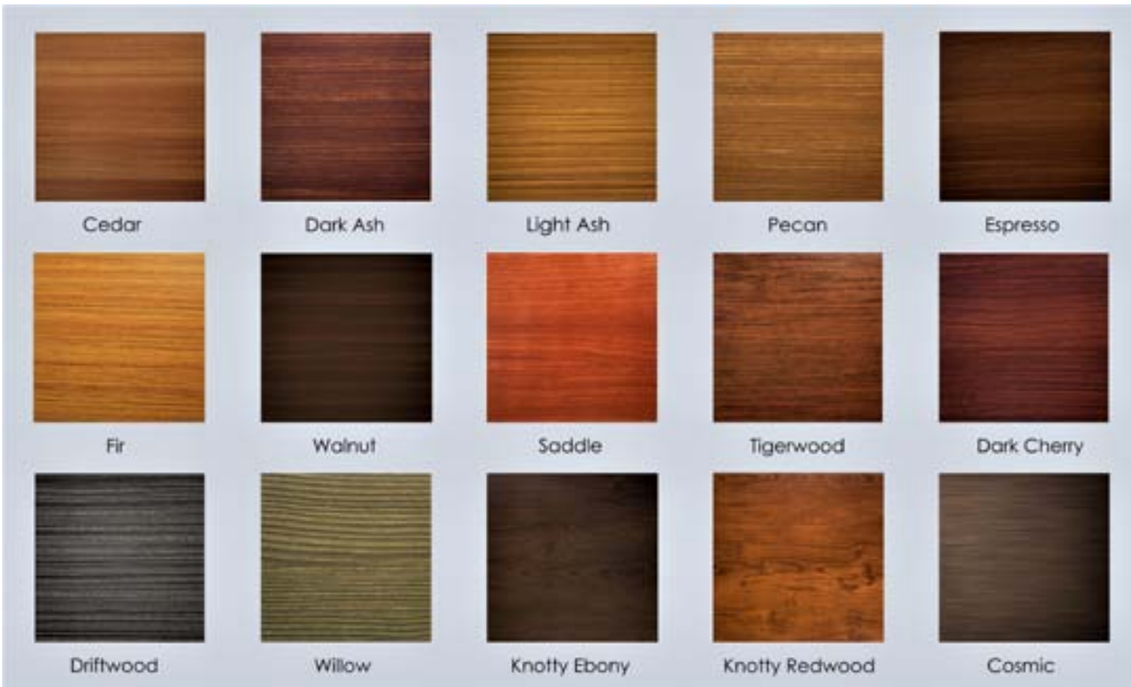
Soffit

Ensuring a complete look, soffit panels can be installed using the Narrow profile which can be ventilated for increased air flow capacity.

PANEL FINISHES

Our Alura line of metal panel siding creates the ultimate shield for your home. Pounding rain, severe wind, freezing cold and blistering heat are no match for the commanding strength of steel. Each pretreated galvanized steel panel is virtually "weather-sealed" with a resilient Kynar PVDF finish, ensuring long-lasting beauty and protection.

WOODGRAIN FINISHES



METALLIC FINISHES

PREPAINTED FINISHES

Custom colours available upon request.

Disclaimer: Colours shown on these charts may differ slightly from true colours on material.

Uncomplicated Design. Effortless Installation.

Designed by trade professionals for effortless installation to maximize jobsite productivity, our Alura line of metal siding panels slide together quickly with hidden fasteners for a timeless modern look.

With experienced representatives ready to help equip you with a complete package of Alura Panel, trims and fasteners we have made ordering and installation of Alura Panel as seamless as possible.

IMARK
ARCHITECTURAL METALS

PHONE: + 1.780.448.8997
EMAIL: INFO@IMARKMETAL.COM
WWW.IMARKMETAL.COM

LYRA® High CAC LYRA®

with Plant-based Binder

Square Lay-in

smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC) + Sound Blocking (CAC)

SUSTAIN®
High Performance Sustainable Ceiling Systems

DESIGNFlex™
A New World of Choice for Ceiling Systems

Lyra® Square Lay-in panels with Suprafine® XL® 9/16" suspension system (Pgs. 466-467)

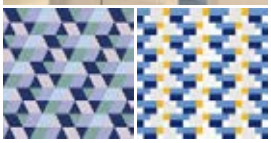
DESIGNFlex™ CEILING SYSTEMS

SHAPES SIZES COLOR

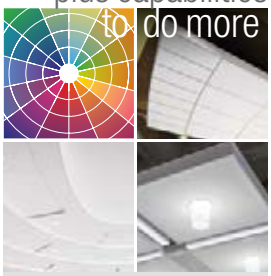
See Lyra® Shapes Page 138-141

Personalize Your Design!

Mix and match different sizes, shapes, colors and materials to reinvent your ceiling. More at:
armstrongceilings.com/designflex



plus capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

These smoothest fiberglass ceiling available with both Total Acoustics® and Sustain® performance.

KEY SELECTION ATTRIBUTES

- DESIGNFlex™ options include shapes, made-to-order sizes, and colors available to ship in 3 weeks
- Get total noise control and floor plan versatility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics Performance™
- Lyra® PB High CAC panels are part of the Sustain® portfolio, and meet the most stringent sustainability compliance standards today
- High acoustics (NRC 0.95, AC 200, CAC up to 44)
- Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- All items are manufactured with a plant-based binder
- Smooth drywall-like ceiling visual
- Sag-resistant panels
- Compatible with the TechZone® Ceiling Systems
- Product can be recycled through the Armstrong Ceilings Recycling Program
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- Available with factory-cut holes for USAI® trimless downlight fixture integration. For details, refer to the Center Cut Panels for Recessed Downlighting data page.

COLORS AVAILABLE

Due to printing limitations, shade may vary from actual product.

White (WH) Black Available in any color!

DETAILS

Lyra® PB Square Lay-in

LYRA® High CAC LYRA®

Now in Shapes!

with Plant-based Binder

Square Lay-in

smooth texture

GREENGUARD Gold Certified (details below)

Declare℠ Living Building Challenge Compliant

SUSTAIN® High Performance Sustainable Ceiling Systems

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 474-478 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	UL Classified Acoustics CAC	Total Acoustics[1] NRC+CAC	Articulation Class AC	Fire Performance	Light Reflect	Mold & Mildew Protection (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Wash (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
LYRA® with Plant-based Binder High CAC Square Lay-in																			
15/16" Square Lay-in	1	**8732PB**	24 x 24 x 1-3/4"	0.95* •	42* •	BEST	200* •	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•
	1	**8752PB**	24 x 48 x 1-3/4"	0.95* •	44* •	BEST	200* •	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•

Size Capabilities		Width	Length
15/16" Square Lay-in	1 CTN MIN Made-to-Order Sizes & Colors (3 Wks)	**1-3/4" Thick**	
		4"– 6"	12" – 60"
		6-1/2" – 24"	4" – 60"
		24-1/2" – 30"	4" – 30"
		30-1/2" – 48"	4" – 24"

N/A	N/A	–	N/A	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

* These items are not UL classified.

ACCESSORIES (must be ordered separately)

435 Stabilizer Clip (3/4" & 1") – for panels 60" and longer

7870 Spring Border Clip (For installations with the panel resting on the wall molding)

SUSPENSION SYSTEMS

15/16"

Prelude®

PHYSICAL DATA

Material
Fiberglass with acoustically transparent membrane

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled – excludes item 8732 and 8752).

ASTM E1264 Classification
Type XII, Form 2, Pattern E; Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
GREENGUARD Gold Certified
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS UL.COM/GG UL 2818

GREENGUARD GOLD

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770. Excludes Lyra PB High CAC.

Insulation Value
Lyra: R Factor – 4.4 (BTU units); R Factor – 0.76 (Watts units)

Design Consideration
Combining materials with different run dates may result in shade variations. Order attic stock for any anticipated future needs.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8732, 8752 – 1.77 lbs/SF; 24 SF/ctn

Minimum Order Quantity
1 carton

LYRA® High CAC LYRA®

Now in Shapes!

with Plant-based Binder
Square Lay-in
smooth texture

GREENGUARD Gold Certified (details below)

Declare℠ Living Building Challenge Compliant

SUSTAIN® High Performance Sustainable Ceiling Systems

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® — energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 474-478 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC + CAC	Articulation Class AC	Fire Performance	Light Reflect	Mold & Mildew Protection Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Wash (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
LYRA with Plant-based Binder Square Lay-in																			
15/16" Square Lay-in	1	**8372PB**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1	new **8372PBBK**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	N/A	•	•	•	•	•	•	•	•	•	•
	1	**8373PB**	24 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1	**8450PB**	24 x 72 x 1"	0.95* •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1	**8452PB**	30 x 30 x 1"	0.95* •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1	**8453PB**	30 x 60 x 1"	0.95* •	N/A	–	190* •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1	**8370PB**	48 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1, 23	**8334PB**	4 x 48 x 1"	N/A	N/A	–	N/A	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1, 23	**8335PB**	4 x 60 x 1"	N/A	N/A	–	N/A	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1, 23	**8336PB**	6 x 48 x 1"	N/A	N/A	–	N/A	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1, 23	**8337PB**	6 x 60 x 1"	N/A	N/A	–	N/A	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
15/16" Square Lay-in	1CTN MIN Made-to-Order Sizes & Colors (3 Wks)			N/A	N/A	–	N/A	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•

Size Capabilities

	Width	Length
	1" Thick	
	4"– 6"	9" – 72"
	6-1/2" – 24"	4" – 96"
	24-1/2" – 48"	4" – 60"

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
* These items are not UL classified.

ACCESSORIES (must be ordered separately)

435 Stabilizer Clip (3/4" & 1") – for panels 60" and longer

7870 Spring Border Clip (For installations with the panel resting on the wall molding)

SUSPENSION SYSTEMS

15/16"

Prelude®

PHYSICAL DATA

Material
Fiberglass with acoustically transparent membrane

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled – excludes item 8732 and 8752).

ASTM E1264 Classification
Type XII, Form 2, Pattern E; Fire Class A

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PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS UL.COM/GG UL 2818

GREENGUARD GOLD

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Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770. Excludes Lyra PB High CAC.

Insulation Value
Lyra: R Factor – 4.4 (BTU units); R Factor – 0.76 (Watts units)

Design Consideration
Combining materials with different run dates may result in shade variations. Order attic stock for any anticipated future needs.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8372, 8372BK, 8373 – 0.44 lbs/SF; 96 SF/ctn
8370 – 0.44 lbs/SF; 96 SF/ctn
8450 – 0.46 lbs/SF; 72 SF/ctn
8452 – 0.46 lbs/SF; 75 SF/ctn
8453 – 0.46 lbs/SF; 100 SF/ctn
8336 – 0.44 lbs/SF; 24 SF/ctn
8337 – 0.44 lbs/SF; 30 SF/ctn
8334 – 0.44 lbs/SF; 16 SF/ctn
8335 – 0.44 lbs/SF; 20 SF/ctn

Minimum Order Quantity
1 carton

FIBERGLASS

FIBERGLASS

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armstrongceilings.com/commercial

Armstrong® CEILING & WALL SOLUTIONS

LYRA® High CAC LYRA®

with Plant-based Binder

Tegular

smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC) + Sound Blocking (CAC)

SUSTAIN®
High Performance Sustainable Ceiling Systems

DESIGNFlex™
A New World of Choice for Ceiling Systems

Lyra® Square Tegular panels with Suprafine® XL® 9/16" suspension system (Pgs. 466-467)

DESIGNFlex™ CEILING SYSTEMS

SHAPES SIZES COLOR

See Lyra® Shapes Page 138-141

Personalize Your Design!

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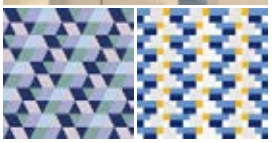
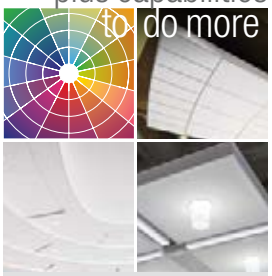


plus capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

These smoothest fiberglass ceiling available with both Total Acoustics® and Sustain® performance.

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- Lyra® PB High CAC panels are part of the Sustain® portfolio, and meet the most stringent sustainability compliance standards today
- High acoustics (NRC 0.95, AC 200, CAC up to 45)
- Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- All items are manufactured with a plant-based binder
- Smooth drywall-like ceiling visual
- Sag-resistant panels
- Compatible with the TechZone® Ceiling Systems
- Product can be recycled through the Armstrong Ceilings Recycling Program
- 30-Year Limited System Warranty against visible sag, mold, and mildew

COLORS AVAILABLE

Due to printing limitations, shade may vary from actual product.

White (WH) Black Available in any color!

DETAILS

Lyra® PB Square Tegular

LYRA® High CAC LYRA®

Now in Shapes!

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Tegular

smooth texture

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Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 474-478 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	UL Classified Acoustics CAC	Total Acoustics[1] NRC+CAC	Articulation Class AC	Fire Performance	Light Reflect	Mold & Mildew Protection (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Wash (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
LYRA® with Plant-based Binder High CAC Square Tegular																			
15/16" Square Tegular	8	**8730PB**	24 x 24 x 1-3/4"	0.95* •	42*	BEST	200 •	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•
	8	**8751PB**	24 x 48 x 1-3/4"	0.95* •	44* •	BEST	200 •	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•
9/16" Square Tegular	26, 43, 47, 51, 55	**8731PB**	24 x 24 x 1-3/4"	0.95* •	42* •	BEST	200 •	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•
	26, 43, 47, 51, 55	**8748PB**	24 x 48 x 1-3/4"	0.95* •	44* •	BEST	200 •	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•
	26, 43, 47, 51, 55	**8749PB**	24 x 60 x 1-3/4"	0.95* •	45* •	BEST	200 •	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•
	26, 43, 47, 51, 55	**8750PB**	30 x 30 x 1-3/4"	0.95* •	44* •	BEST	200 •	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•
Size Capabilities			**Width** / **Length**																
15/16" & 9/16" Square Tegular	1CTN MIN Made-to-Order Sizes & Colors (3 Wks)		**1-3/4" Thick**	N/A	N/A	–	N/A	Class A	0.88 •	•	•	•	•	–	•	•	•	•	•
			4"– 6" / 12" – 60"																
			6-1/2" – 24" / 4" – 60"																
			24-1/2" – 30" / 4" – 30"																
			30-1/2" – 48" / 4" – 24"																

MORE ITEMS ▶

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

* These items are not UL classified.

ACCESSORIES (must be ordered separately)

435

Stabilizer Clip (3/4" & 1")

Recommended for panels 60" and greater in length

NOTE: Panels 60" up to 96" – One clip near mid-point of each long edge.
Panels 96" and over – Two clips at 1/3 points of each long edge.

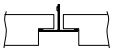
7870

Spring Border Clip

(For installations with the panel resting on the wall molding)

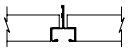
SUSPENSION SYSTEMS

15/16"

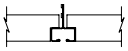


Prelude®

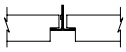
9/16"



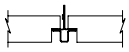
Silhouette® 1/4" Reveal



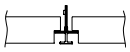
Silhouette 1/8" Reveal



Suprafine®



Interlude® XL® HRC



Sonata® XL®*

PHYSICAL DATA

Material
Lyra® PB: Fiberglass with acoustically transparent membrane

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled – excludes items 8730, 8731 8751, 8748, 8749, and 8750).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® resist the growth of mold and mildew.

VOC Emissions
GREENGUARD Gold Certified
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS UL.COM/GG UL 2818

GREENGUARD GOLD

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770. Excludes Lyra PB High CAC.

Insulation Value
Lyra: R Factor – 4.4 (BTU units);
R Factor – 0.76 (Watts units)

Design Consideration
Combining materials with different run dates may result in shade variations. Order attic stock for any anticipated future needs.

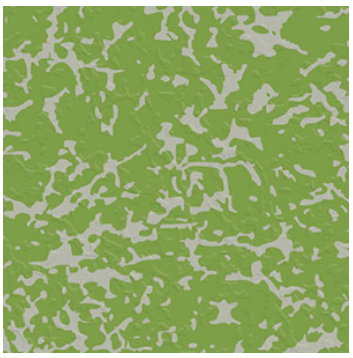
30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8730, 8731, 8751, 8748, 8749, 8750 – 1.77 lbs/SF; 24 SF/ctn

Minimum Order Quantity
1 carton

noraplan® **Iona**
SHEET

Rubber flooring in a filigree design with contrasting colors and accents in a lightly structured surface for heavy traffic areas.



- Good for heavy traffic
- Superior footfall sound absorption
- Excellent slip resistance
- Increased safety thanks to high fire-retardant properties
- Seamless installation
- No coatings needed

Product Data

Product	noraplan® Iona 3.0 mm sheet resilient floor covering, Article 167B
Description	nora® vulcanized rubber compound 913 with environmentally compatible color pigments that are free of toxic heavy metals like lead, cadmium or mercury.
Characteristics	Material Dimensions: 39.37 feet x 48 inches (12 m x 1.22 m) Thickness: 0.12 inches (3.0 mm) Dimensional Stability: Meets requirements Composition: Homogeneous rubber compound with a random scattered design Colors: 24 Standard Surface: Textured

Technical Data

Static Load Limit	ASTM F970, Residual compression of 0.003” with 800 lbs. ≤ 0.005” with 250 lbs. is required
Rolling Load Limit	≤ 450 lbs. /sq. inch, no forklift traffic
Slip Resistance	ASTM D2047 Static coefficient of friction, Neolite dry 0.93 Neolite wet 0.90 ≥ 0.5 is required (not recommended for ramps),
Flammability	ASTM E648; NFPA 253; NBSIR 75 950, 1.09 Class 1, ≥ 0.45 watts/sq. cm is required
Smoke Density	ASTM E662; NFPA 256; NBS, 150 (flaming) and 246 (non-flaming) < 450 is required
Bacteria Resistance	ASTM E2180 and ASTM G21, resistant to bacteria, fungi, and micro-organism activity
Sound Absorption	ASTM E2179;ISO 140, Δ IIC 14, Lw10dB (compare only Δ values)
Hardness	ASTM D2240, Shore type “A”, 92 achieved, ≥ 85 is required
CAN/ULC-S102.2	Surface Burning, FSC1 of 125 and SD of 370

Environmental Attributes

Transparency	Environmental Product Declarations (EPD), Health Product Declarations (HPD) and Cradle (C2C) documentation is available for standard norament® and noraplan® floor coverings; for information visit www.nora.com/us
Manufactured Without	PVC (polyvinyl chloride) Plasticizers (phthalates) Halogens (chlorine)
Production Plant Certifications	ISO 9001:2000 ISO 14001
VOC Emissions	GREENGUARD Gold Certified for Low VOC Emissions CA 01350 Compliant

Installation

Site Conditions	The installation area must be fully enclosed, weather tight, and climate controlled between 63°F and 75°F and 40% to 60% ambient relative humidity (RH) for at least 48 hours prior, during and 72 hours after installation.
Adhesive	Absorptive substrates: use nora® AC 100 or dryfix 750 adhesives Non-absorptive substrates: use nora® dryfix 750 adhesive
Unique Characteristics	Welding not required. To better appreciate the products beauty and seamless design, it is recommended for use in applications where welding is not necessary.

For complete installation instructions, refer to the nora® Installation Guide.

Care and Cleaning

Refer to the noraplan® Maintenance Guides.

Wheel Types

No metal or hard plastic wheels, the shape of the contact surface of wheels must be flat with round edges. The shore hardness must be ≤ 90 type A.

Storage

nora® flooring can be stored within a temperature range of -5˚F (-21˚C) to 120˚F (49˚C) under the following conditions: Pallets shall remain intact, undamaged, not be stacked, be in a permanently dry environment, and with no direct sunlight. However, all adhesives and cold weld must remain at room temperature without freezing.

Warranty

Limited 5-year warranty. See nora® Limited Warranty.

For current nora® Installation Guides, Guide Specifications, Maintenance Guides, and Limited Warranties, please visit www.nora.com/us.

Updated: November 2018

nora systems, Inc.
9 Northeastern Blvd.
Salem, NH 03079
Toll free: 800-332-NORA
Phone: (603) 894-1021
Fax: (603) 894-6615
E-mail: info-us@nora.com
www.nora.com/us

nora® by Interface®

LYRA® High CAC LYRA®

Now in Shapes!

with Plant-based Binder

Tegular

smooth texture

GREENGUARD Gold Certified (details below)

Declare℠ Living Building Challenge Compliant

SUSTAIN® High Performance Sustainable Ceiling Systems

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® — energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 474-478 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC+CAC	Articulation Class AC	Fire Performance	Light Reflect	Mold & Mildew Protection (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Wash (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
LYRA with Plant-based Binder Square Tegular																			
15/16" Square Tegular	8	**8360PB**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	8 new	**8360PBBK**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	N/A	•	•	•	•	•	•	•	•	•	•
	8	**8352PB**	24 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	8	**8355PB**	48 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
9/16" Square Tegular	26, 43, 47, 51, 55	**8344PB**	4 x 48 x 1"	N/A	N/A	–	NA	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8345PB**	4 x 60 x 1"	N/A	N/A	–	NA	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8346PB**	6 x 48 x 1"	N/A	N/A	–	NA	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8347PB**	6 x 60 x 1"	N/A	N/A	–	NA	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8377PB**	12 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8379PB**	12 x 96 x 1"	0.95* •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8361PB**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55 new	**8361PBBK**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	N/A	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8357PB**	24 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8365PB**	24 x 60 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8381PB**	24 x 72 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8382PB**	24 x 96 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8461PB**	28 x 30 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8359PB**	30 x 30 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

* These items are not UL classified.

FIBERGLASS

ANDERSON
HALLAS
ARCHITECTS

Gunnison Library District

VOLUME 2

PROGRAMMING REPORT & CONCEPTUAL DESIGN *DRAFT*

NOVEMBER 1ST, 2019 / FINAL TO BE ISSUED NOVEMBER 12TH, 2019

gunnison county
Libraries
connect discover imagine learn

715 14th Street
Golden, Colorado 80401
303 278 4378

ANDARCH.COM

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Executive Summary

ANALYSIS & VISIONING

PROGRAM & CONCEPTUAL DESIGN

This report is intended to summarize the programming, preliminary design, and conceptual design process that Gunnison County Library District has undertaken to address the needs of the future library facility. This report is based on consolidated community input, staff questionnaires, program data gathering, and feedback from the Gunnison County Library Board of Trustees.

PROGRAMMING

The programming effort consisted of gathering community voices and preferences, staff needs and wants, and an inventory of overall functional spaces in order to inform the preliminary and conceptual design phases. Each piece of information was then vetted and compared against the needs and wants of the Library District to provide a road map for the design to follow, ensuring that subsequent design efforts reflected the needs and wants of the Library District, the Staff, and the Community.

The Gunnison County Library District's goal is to "strengthen our communities, our residents and visitors, by creating opportunities to connect, discover, imagine, and learn." The purpose of the following program is to help identify programmatic ways to meet that goal: to find ways for the building and site to provide opportunities for users to connect through various meeting and gathering spaces: to create spaces that allow the patrons to discover different worlds while perusing through the nonfiction; to imagine different worlds while curled up in the fiction section; and to learn about their local history in the Western Section. The ultimate design should not only facilitate these goals but provide spaces for these ideals to flourish.

While the Library's primary function is to serve its community and patrons, it will be essential that the new spaces and site meet the needs and wants of the staff as well. The program evaluates their workflows, tasks, and responsibilities to inform the design; curating spaces which provide shortened paths for specific workflows, places for the staff to connect with nature, and workspaces which make their workday more enjoyable.

Throughout community outreach efforts, clear direction on the communities' needs and wants were expressed and collected. Functional spaces for studying, small meetings, gathering areas, social areas, quiet reading areas, and places for children to be children were all identified as priorities. Descriptive words, light qualities, and amenities were gathered to further inform the types of spaces desired: quiet nooks to escape into with their favorite books; being immersed in books while meandering through the stacks; a comfortable living room to socialize with

neighbors and visitors; and the flexibility of these spaces to change with the needs and wants of the community.

SITE

During the Preliminary Design phase the Site was further analyzed and explored. Parking needs/requirements, setbacks/ local jurisdictional site requirements, possible building locations, and pedestrian interactions were evaluated. The Van Tuyl property, generously given to the Library District by rancher Raymond Van Tuyl, is a beautiful site with incredible views, local flora and fauna, and abundant space for the community to enjoy. The site lends itself to safe paths from schools, direct trail access for visitors, and abundant ways to directly connect with nature.

Parking and its impact, not only visually, but to the native character of the site, is one of the community's and staff's apprehensions. There are concerns with having adequate parking, the visual impact of the parking, the current site's parking for trail access, and the resulting pedestrian interaction. The site requirement to balance having enough spaces to serve the patrons, while eliminating the feeling of a "sea of parking," is a strong design directive of the community, as well as providing safe and compelling pedestrian access. Convenient and inviting walking paths, safe biking access with secure bike storage, and safe walking paths for the youth are high priorities. The interaction between vehicular and pedestrian traffic will need to be safely laid out and identified, making access encouraging for pedestrians with an easy and predictable vehicular flow.

CONCEPTS

The site sits at the Northwest corner of the main portion of the town of Gunnison. There is a strong dichotomy between the town to the east and south and Van Tuyl ranch to the north and west, with the site in a transitional space between the built and the natural environments. As the physical layout of the spaces progressed the conceptual parti, the main concept was developed celebrating that transition; the site draws the Southeast corner of the town into the natural site of the Library, further connecting the Library with the town. The building and site acts as a transition or threshold, between the built and the natural environment.

Four conceptual layouts were created to explore the different possibilities of the site. Each layout examined the different ways to interact with the site through program. The four main programmatic spaces- Adult, Young Adult, Children's Area, and Flex space- were arranged on the site in different scenarios which met different design criteria priorities. These concepts were presented to the Community and the Library Board. Through comments, evaluations, and further prioritization, a preferred alternative was created. This preferred alternative addressed the programmatic criteria collected throughout this phase, highlighting the uniqueness of the site, the desired adjacencies, the environmental considerations, and the necessary workflows.

PRELIMINARY DESIGN

The following preliminary design phase massaged and further developed the preferred alternative, exploring floor plan layouts, building massing, and site layouts. The building massing prioritized

light, snow shedding and storage; the plans focused on sightlines, workflows, and adjacencies. The site evaluated ways to balance the frequent pedestrian with vehicular traffic. Materials were selected through community and Library District input regarding preferred textures, materials, aesthetics, durability needs, and vernacular language.

The phase completes with a preliminary floor plan, massing, and site design. This preliminary design captures the functional spaces desired by the community, considers the workflows of the staff, promotes connection with the outside, creates flexibile spaces for growth and change, and complements the Gunnison aesthetic. As the design progresses into the final phase of Schematic Design, this programmatic report will act as a sounding board to check design decisions against to ensure the needs and the wants of the Library District, community, and staff are being upheld and celebrated.

Precedent photos throughout this report are popular images from community outreach events and presentations with the Library Board; images are cited at the end of the report.

Library Goals & Values

GOAL

Gunnison County Libraries strengthens our communities, our residents and visitors, by creating opportunities to connect, discover, imagine, and learn.

VISION

Gunnison County Libraries' vision is to foster imagination and life-long learning and be a trusted and valued resource, welcome and open to all, in our community.

CORE VALUES

Service: Expert staff providing excellent customer service.
Access: Offering equitable, equal access to information.
Caring: Maintaining respectful relationships in partnership with each other and others.
Collaboration: Engaging in partnership with each other and others.
Accountability: Providing our communities with careful stewardship of resources and materials.

CUSTOMER SERVICE PHILOSOPHY

Treating our patrons and one another with respect and kindness. Listening to and working towards fulfilling our communities' needs. Providing a **safe** and **welcoming** space for **multiple uses**. Being **flexible** and **adaptable** to the changing needs of our communities. Putting the right materials into the hands of our users.

Staff Workflows

Workflows illustrate the day-to-day activities of different staff members. The diagrams highlight main responsibilities and tasks, as well as external forces that impact the workflow and influence workspace design and flow.

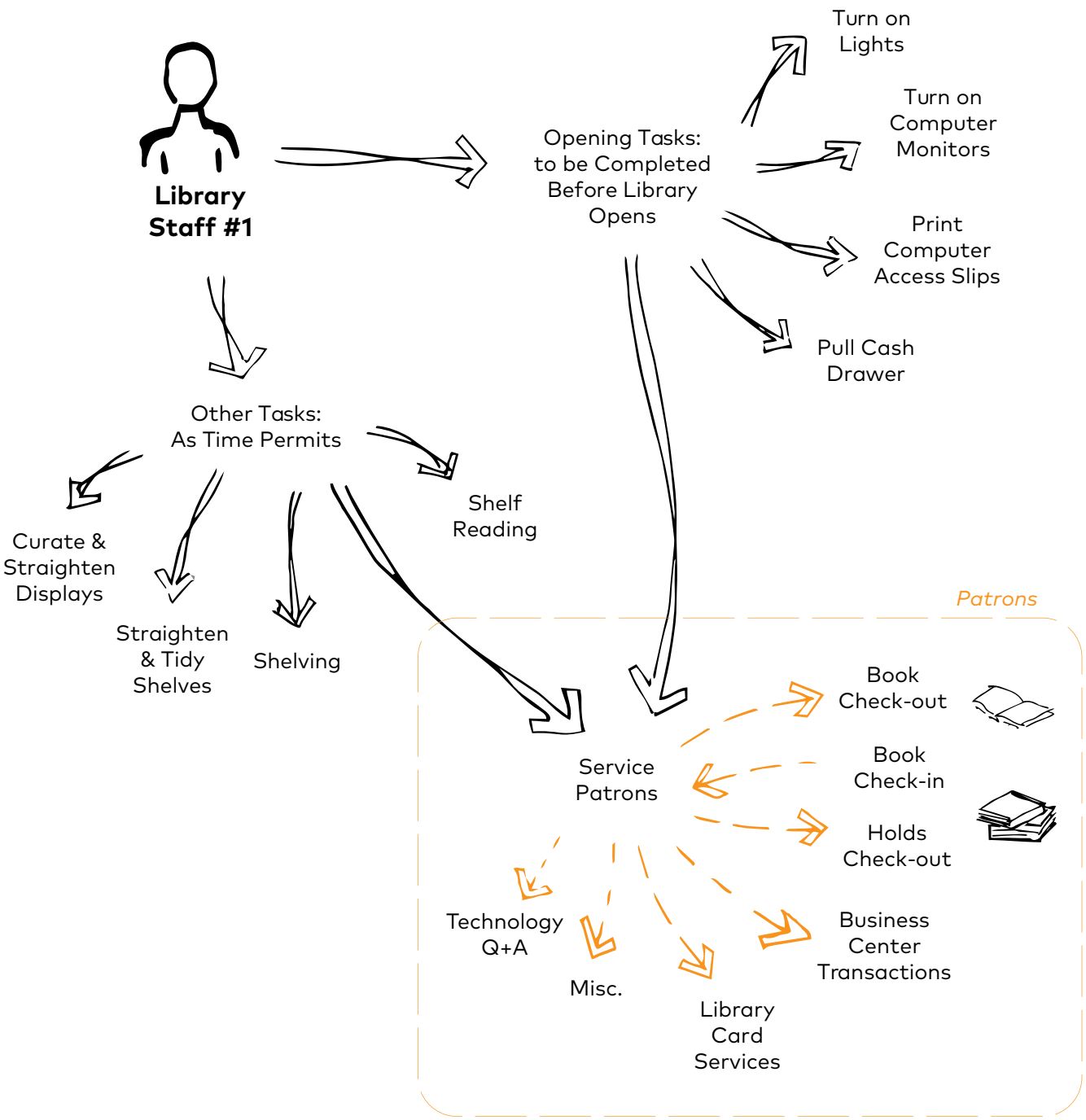
The library staff currently share opening and courier responsibilities. There is a staff member who opens and provides services for patrons then switches in the afternoon to work on specialized services while the second staff member works on courier and their specialized services and switches to patron services in the afternoon. With the design of a new space the staff evaluated how the divisions of tasks are working and how they could function better and more efficiently through adjacencies, sightlines, and workspace set up. The following workflow diagrams outline two staff members' tasks within the day.

The workflow for Library Staff #1 begins with the opening tasks of the Library. Tasks include turning on lights, turning on computers, setting up the cash drawer, and printing computer access slips. Currently, the opener is also responsible for the book drop and collecting the items for the courier. Having the ability for the second staff member to be working on the book drop and courier frees up Staff #1 to curate, straighten and tidy, perform shelf reading, and reshelve, which are tasks currently not completed to the satisfaction of the staff due to lack of time and poor efficiencies.

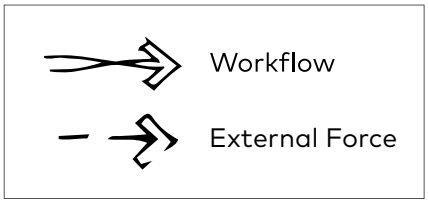
As patrons arrive, the Library Staff #1 can switch to Patron Services, providing the crucial services to the local community: technology questions, library card services, holds, and book check-in and outs.

Design Considerations:

- Book drop direct collection into Staff Back of House
- Computer stations within proximity to circulation desk for easy access
- Business Center adjacent to Circulation Desk
- Space at Circulation Desk for courier requests and Crested Butte bin
- Space for ticket printing for each item, printing supplies, and rubber band storage


Library Staff #1
Opening Tasks: to be Completed Before Library Opens
Turn on Lights
Turn on Computer Monitors
Print Computer Access Slips
Pull Cash Drawer
Other Tasks: As Time Permits
Curate & Straighten Displays
Straighten & Tidy Shelves
Shelving
Shelf Reading
Patrons
Service Patrons
Book Check-out
Book Check-in
Holds Check-out
Business Center Transactions
Library Card Services
Misc.
Technology Q+A

Legend


Workflow
External Force

Staff Workflows

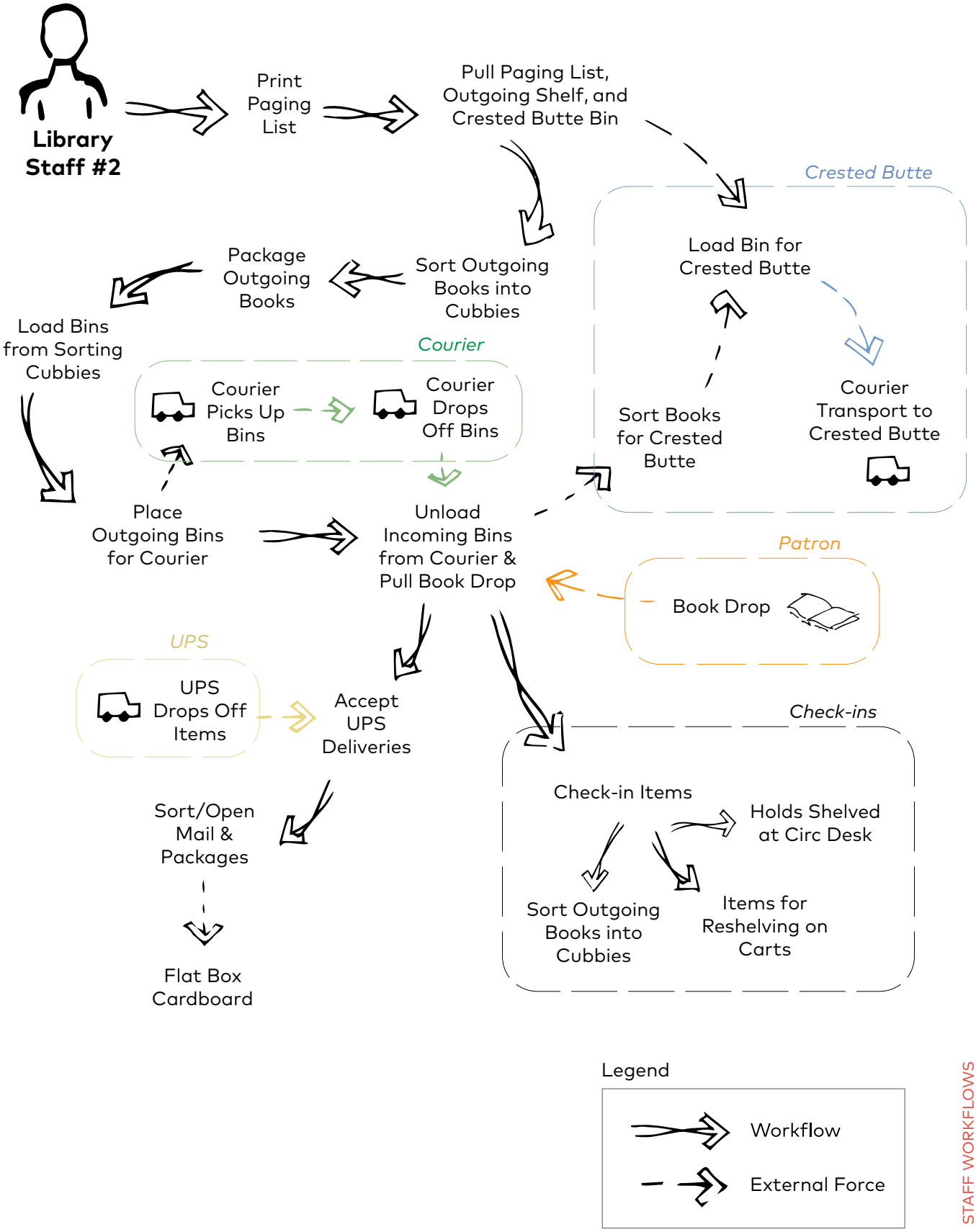
The workflow for Library Staff #2 starts in the Admin Back of House area with the daily Paging List. The list is printed and the items are pulled from throughout the library, as well as the courier books and Crested Butte bin from the Circulation Desk. The items are then sorted, processed, and put in dedicated cubbies for different locations. The cubbies are emptied into the courier bins from an empty bin storage location and placed in the courier outgoing items location. The courier drops off the items for both Gunnison and Crested Butte and picks up the outgoing courier bins; there is a separate local courier for the Crested Butte items.

Currently the new bins are then emptied, sorted, and taken to the circulation desk to be checked in. Having the ability to immediately check in items and sort them onto the appropriate re-shelving cart would help with the overall workflow.

In addition to the courier, there are also UPS deliveries, new purchase deliveries, and donations. Having space to receive and sort these items is a necessity for the staff. A dedicated donations area would help keep the back of house tidier; donations are the responsibility of a single staff member, and based on scheduling and when the donations are dropped off, the donations may sit and stack up until tended to. The donations staff member is also the GED proctor, so strong adjacency with sightlines between the donation area and the testing room would facilitate multitasking and an easier workflow for that staff member.

Design Considerations:

- Dedicated bin locations for empty, outgoing, and incoming bins
- Adjacencies of bins for easy sorting, filling, and moving
- Dedicated cubby spaces for at least 10 frequent locations and 5 miscellaneous locations
- Sorting worksurface with check-in capabilities
- Physical adjacency between the donation workstation and GED testing room, with a direct sightline into the room from the workstation
- Adequate undercounter storage for donation drop-offs as well as adequate shelving for sorted donations



STAFF WORKFLOWS

Program Matrix

The Program Matrix is a tool used to compare and identify size, qualities, and impact on the overall design by each of the desired functional spaces. The Functional Spaces Matrix is an easily referenceable document to evaluate the spatial organization based on the square footage needs and hierarchies, designates the spaces with desired view or daylighting elements, providing or inhibiting privacy, identifying acoustic levels adjacencies or separations to create acoustic comfort, locating plumbing in an efficient manner, and providing exterior access to spaces needing or wanting direct passage to the outdoors.

The matrix breaks down each space by approximate square footage to act as a starting point for special layout and to assign hierarchical identification. These sizes include basic circulation and give an approximate size comparison between the spaces needing to fit within the footprint. These spaces are then created in three dimensions to facilitate multiple arrangements which explore different layouts of the spaces within the footprint and in relation to the site.

View vs. Daylight identifies which spaces desire a view out of the building, which need daylighting but not necessarily a view, and which spaces do not require either; which allow them to be placed more flexibly within the footprint. The spaces with views are then given priority of primary views or simply overall views of the outdoors. For example, the reading room's high priority for daylight and view would be given a primary view and would be located along the buildings perimeter, allowing for the view to the outside and daylighting, where the Digital Media stacks with their lower priority for both could be placed internally within the building.

Privacy speaks to spaces needing special considerations due to visual, physical, and/or acoustic privacy, as well as spaces where privacy wouldn't be desirable. For example, the GED testing room requires high privacy for testing security purposes, while the Young Adult area requires sightlines from the circulation desk and lower privacy levels. This prioritizing affects sightlines, whether encouraged or restricted through design, as well as enclosed or open spaces.

Acoustic Level highlights spaces which are naturally quieter or louder based on their function and user group. Evaluating a spaces' acoustic level facilitates spatial organization by acoustic groupings, and identifies necessary acoustic separations for program which need physical adjacency while maintaining acoustic separation. The community requested an acoustic separation between the Adult and Children's Areas, allowing patrons to read in a quiet environment while children are able to use and enjoy their space without the competing sound levels that are produced in the current Library. Acoustic separation of the Adult and Children's Areas is a strong design consideration and spatial organizational factor within the design.

Functional Spaces	Square Footages	View	Daylight	Privacy	Acoustic Level	Plumbing	Exterior Access
Lobby	**300**	**M**	**M**	**L**	**M**	✗	✓
Book Return (Interior)		L	L	L	L		
"Living Room"		M	M	L	M		
Vestibule		M	H	L	M		✓
Circulation Desk	**200**	**L**	**H**	**M**	**M**	✗	✗
Workstations		M	H	M	M		
Hold / Request Shelving		L	H	M	L		
Book Kiosk - Look-up Station		L	M	M	L		
Return Stacks		L	M	L	L		
New Releases/Recommendations		L	H	L	L		
Print/Copy	**150**	**L**	**L**	**L**	**L**	✗	✗
Storage		L	M	L	L		
Print/Copy/Fax		L	L	L	M		
Dedicated computer(s)		L	L	L	L		
Staff Restroom	**60**	**L**	**L**	**H**	**M**	✓	✗
Staff Back-of-House	**1000**	**M**	**M**	**M**	**M**	✗	✓
Private Offices		M	M	M	M		
Workstations		M	M	M	M		
Lockers "Mud Room"		M	L	M	M		✓
Processing & Repair		L	M	L	M		
Ins/Outs		L	L	L	M		✓
Donation		L	L	L	M		✓
Courier/mail		L	M	L	M		✓
Break Room		M	M	M	M	✓	✓
GED secured storage		L	L	H	L		
GED Station		L	L	M	M		
Storage		L	L	M	L		
Adult Stacks	**1500**	**H**	**H**	**L**	**L**	✗	✓
Stacks		M	H	L	L		
General Reading Spaces		H	H	L	L		✓
Group Work		M	H	M	M		
"Living Room"		H	H	L	L		
Computer stations		L	L	L	L		
Periodicals	**400**	**H**	**H**	**M**	**L**	✓	✗
Stacks / Displays		M	H	M	L		
"Living Room"		H	H	M	L		
Young Adult	**1000**	**H**	**H**	**L**	**M**	✗	✓
Stacks		M	M	L	L		
General Reading Space / Lounge		H	H	L	L		✓
Study		M	H	M	L		
Collaboration Space		M	M	L	H		
Computer stations		L	L	L	L		
Storage		L	L	M	L		
Children's area	**1500**	**H**	**H**	**L**	**M**	✓	✓
Stacks		M	H	L	M		
Cubbies		L	H	L	M		
Reading Space		H	H	L	M		
Storytime		H	H	L	H		
Activity Space		H	H	L	H	✓	✓
Computer stations		L	L	L	M		
Storage		L	L	M	L		
Children's Restroom	**60**	**L**	**L**	**M**	**M**	✓	✗
Flex Small Meeting Rooms	**800**	**M**	**M**	**L**	**M**	✗	✗
Study Rooms/Meeting Rooms		M	M	M	M		
Digital Media	**200**	**L**	**L**	**L**	**L**	✗	✗
DVDs		L	L	L	L		
CDs		L	L	L	L		
Books on tape		L	L	L	L		
Kindle Kiosk		L	L	L	L		
Record listening library		L	L	L	L		
Restrooms	**400**	**L**	**L**	**H**	**M**	✓	✗
Warming Kitchen	**400**	**M**	**M**	**L**	**H**	✓	✓
Warming Kitchen		M	M	M	H	✓	✓
Pantry		L	L	L	L		
Flex Room	**1700**	**H**	**H**	**M**	**H**	✗	✓
Chair/Table Storage		L	L	L	L		
Flex Room		H	H	L	H		✓
Lobby		H	H	L	H		✓
Janitor Closet	**50**	**L**	**L**	**L**	**L**	✗	✗
Utility Room	**400**	**L**	**L**	**M**	**M**	✗	✓
	10120	*Square footages are estimations to be further developed in SD					

Adjacencies

Overall Library

COZY FLEXIBLE VARIETY OF SPACES

QUIET WELCOMING NATURAL LIGHT RELAXING

While the preceding Program Matrix describes the qualities of the spaces within the library, the following adjacency diagrams illustrate the relationships that spaces have with each other. The lines representing Primary, Secondary, and Tertiary Adjacencies rank the level of physical connection between the spaces; the dashed lines designate a required visual connection between spaces while preventing the transfer of sound.

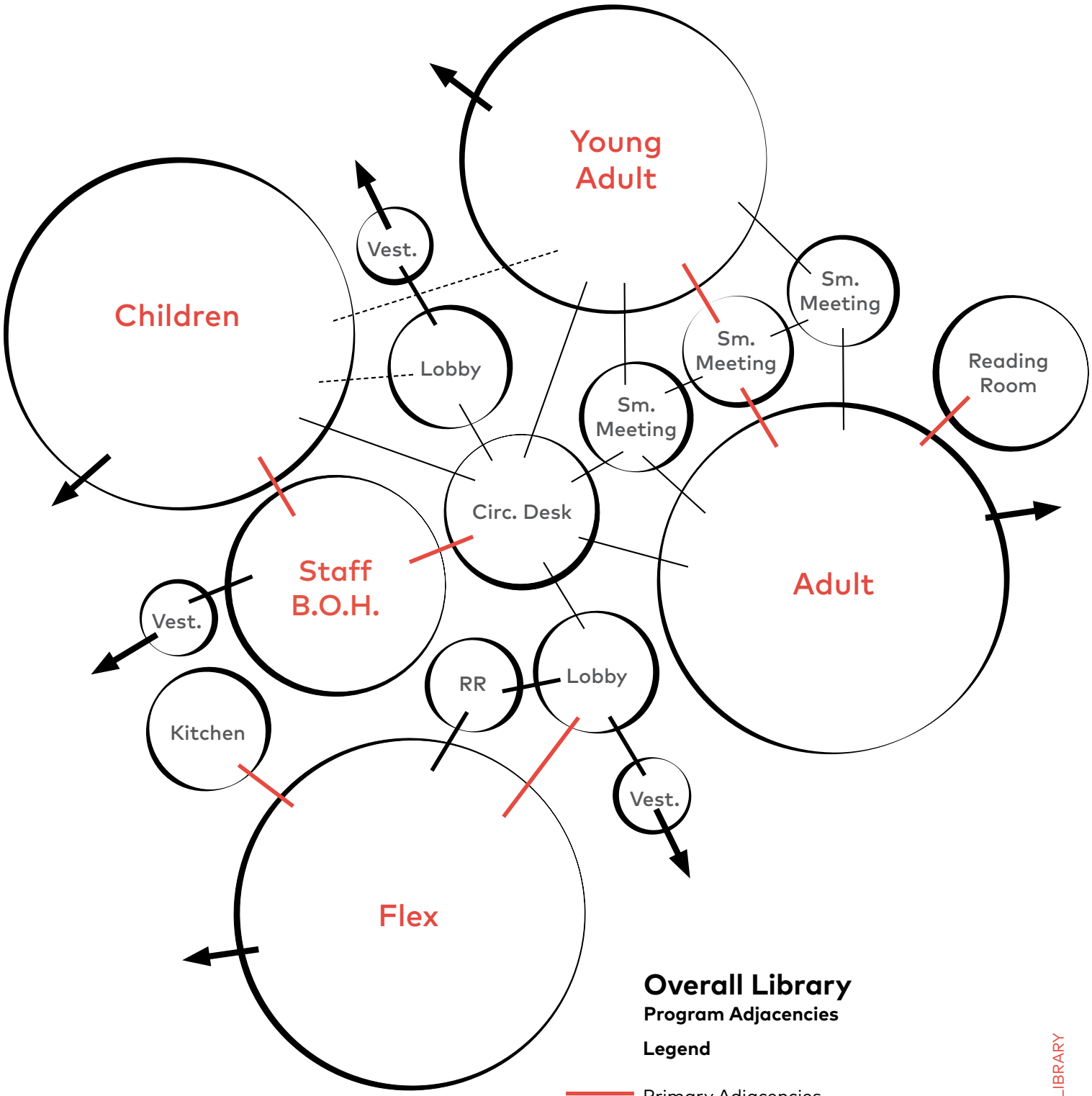
Some of the important themes that emerged in the community outreach exercise, which are summarized in the Volume 1 report, are having flexible meeting spaces and expanded spaces for Children, Youth, and Adults. These four elements, along with the essential Staff Back of House area, form the foundation of the library; the Circulation Desk and its associated Lobbies are the hub from which the major program areas radiate.

AREAS

- Adult
- Young Adult
- Children
- Flex
- Staff B.O.H.
- Circ. Desk
- Lobbies
- Vestibules
- Kitchen
- Restrooms
- Meeting Rooms
- Reading Room

DESIGN CONSIDERATIONS

- Variety of spaces for self-selection
- Acoustically separate spaces from Adult area
- Self-selection of acoustic level
- Connection to nature
- Variety of reading areas



Overall Library

Program Adjacencies

Legend

- Primary Adjacencies
- Secondary Adjacencies
- Tertiary Adjacencies
- Visual Connection, Not Auditory
- Exterior Access

Adjacencies

Staff Back of House

COLORFUL ORGANIZED ENGAGING

EFFICIENT WELCOMING NATURAL LIGHT INVITING

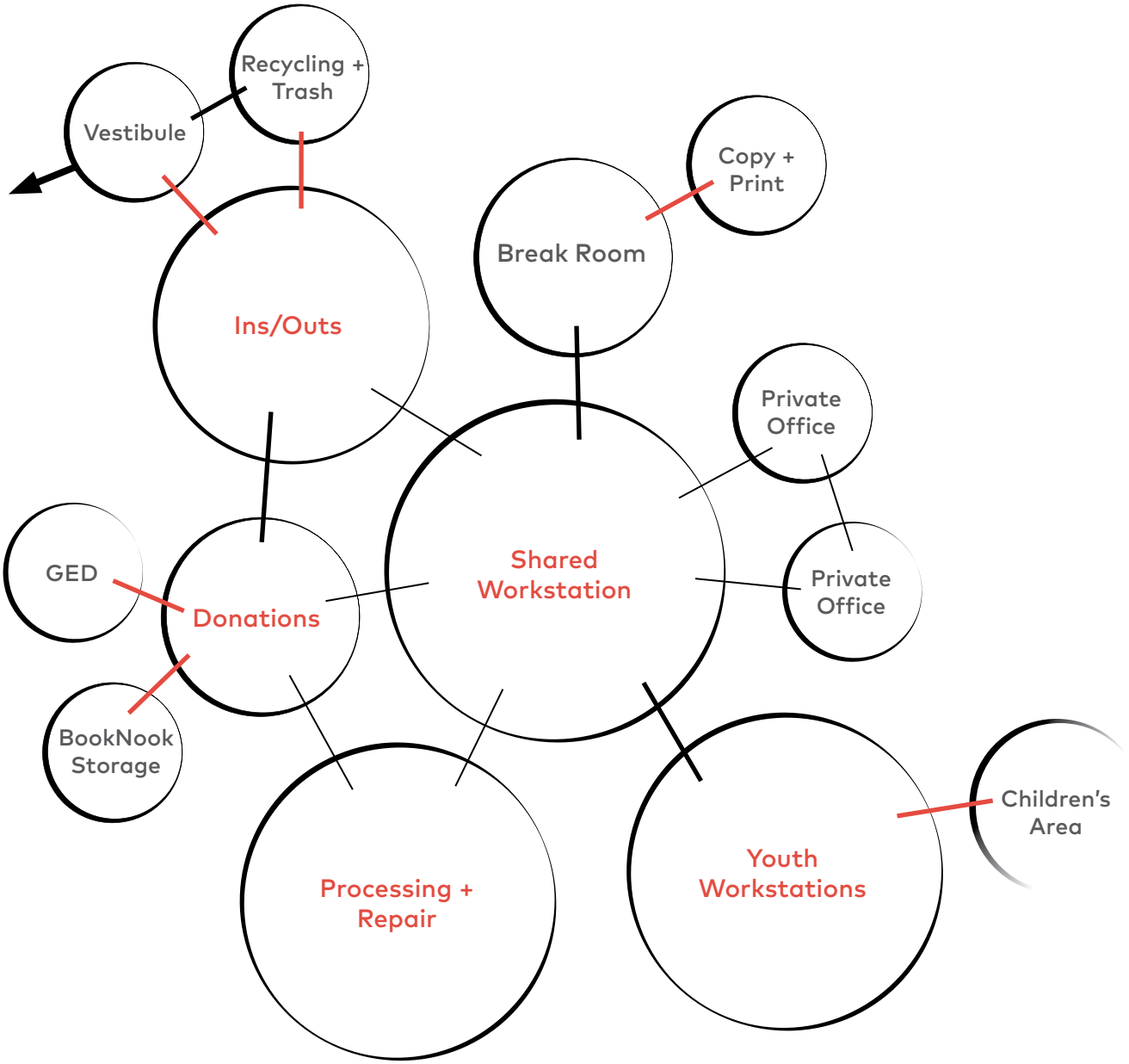
Expanding the Staff Back of House is necessary for addressing the basic needs of the Gunnison County Library operations and is also essential for supporting the expressed community desires for expanded library programming. Staff workflow diagrams on pages 8-11 illustrate the progress of two staff members through their day; the adjacencies of the Staff Back of House supports the staff members by providing spaces logically arranged for the tasks of receiving, processing, and sorting books, and by also providing appropriate workspace for program planning.

AREAS

- Youth Workstations
- Donations
- Book Nook Storage
- GED
- Ins/Outs
- Processing + Repair
- Break Room
- Director's Office
- Private Office
- Dedicated Restroom
- Staff Workstations

DESIGN CONSIDERATIONS

- Dedicated staff entrance with vestibule and lockers
- Donations and GED strong adjacency with visual connection
- Courier area near entrance with clear and unobstructed path for deliveries and sorting
- Direct access into Children's Area
- Washer and Dryer



Staff Back of House

Program Adjacencies

Legend

- Primary Adjacencies
- Secondary Adjacencies
- Tertiary Adjacencies
- Visual Connection, Not Auditory
- Exterior Access

Adjacencies

Children's Area

PLAYFUL	LIGHT FILLED	DURABLE	DISCOVERY
BRIGHT	INVITING	IMAGINATIVE	ENGAGING

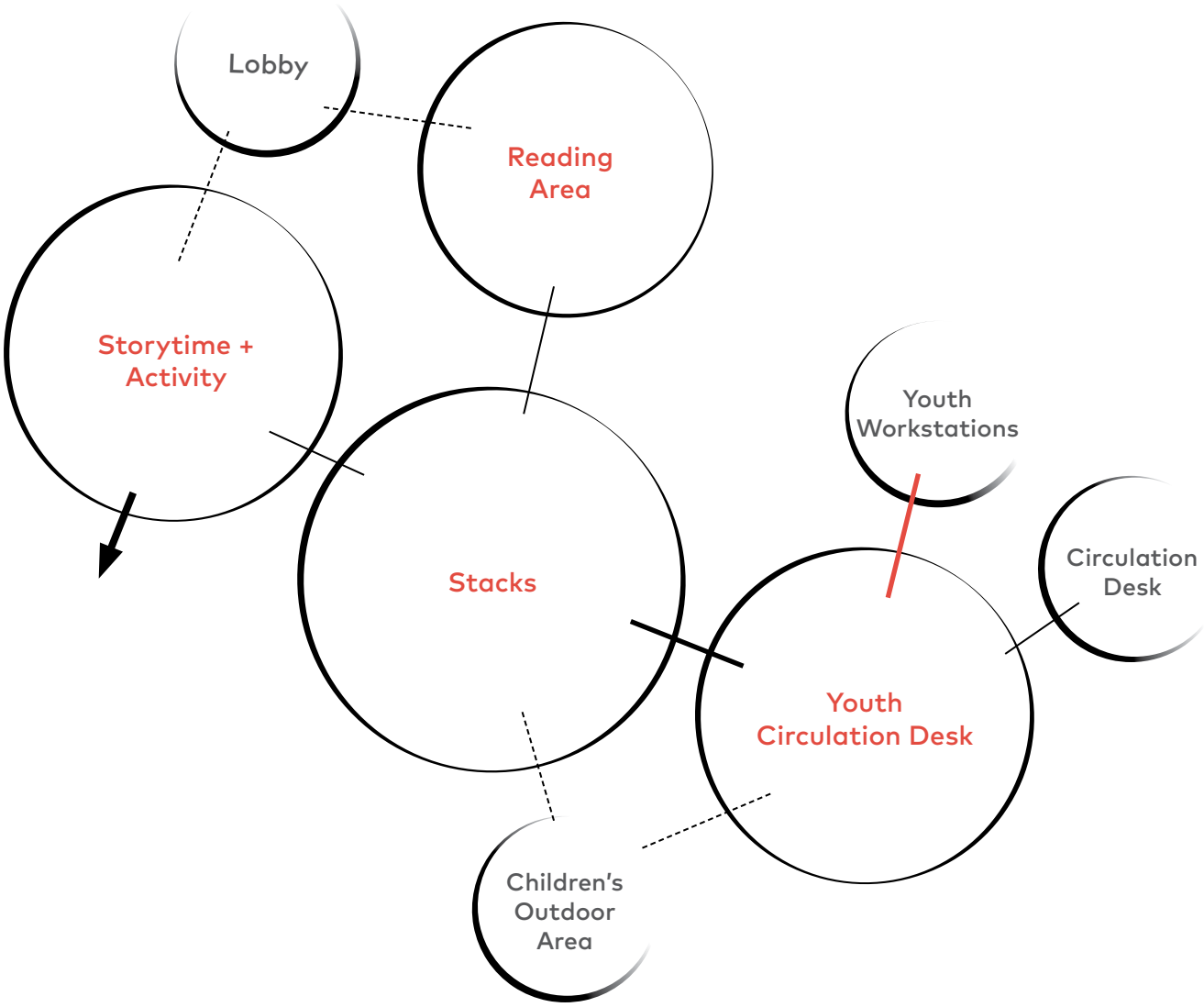
The Children's Area addresses the widely expressed community desire to create expanded and dedicated children's space inside and outside of the library building. A dedicated Youth Circulation Desk in the Children's Area has a direct connection with the youth workstations and allows a librarian to specifically oversee this space; the building Lobby provides a quieter space for adults to gather while also keeping an eye on the children's reading and activity areas.

AREAS

- Stacks
- Reading areas
- Storytime
- Activity space
- Computer stations
- Storage
- Dedicated Restroom
- Dedicated Circulation Desk

DESIGN CONSIDERATIONS

- Acoustically separate from Adult area
- Sightlines from social lobby
- Cubbies for winter season
- Space for kids to be kids
- Flexible and Adaptable
- Cozy reading spaces
- Promotes learning and activities



Children's Area

Program Adjacencies

Legend

- Primary Adjacencies
- Secondary Adjacencies
- Tertiary Adjacencies
- Visual Connection, Not Auditory
- Exterior Access

Adjacencies

Young Adult Area

INSPIRATIONAL	ENERGETIC	APPROACHABLE	DURABLE
SOCIAL	STUDIOUS	WELCOMING	GATHERING

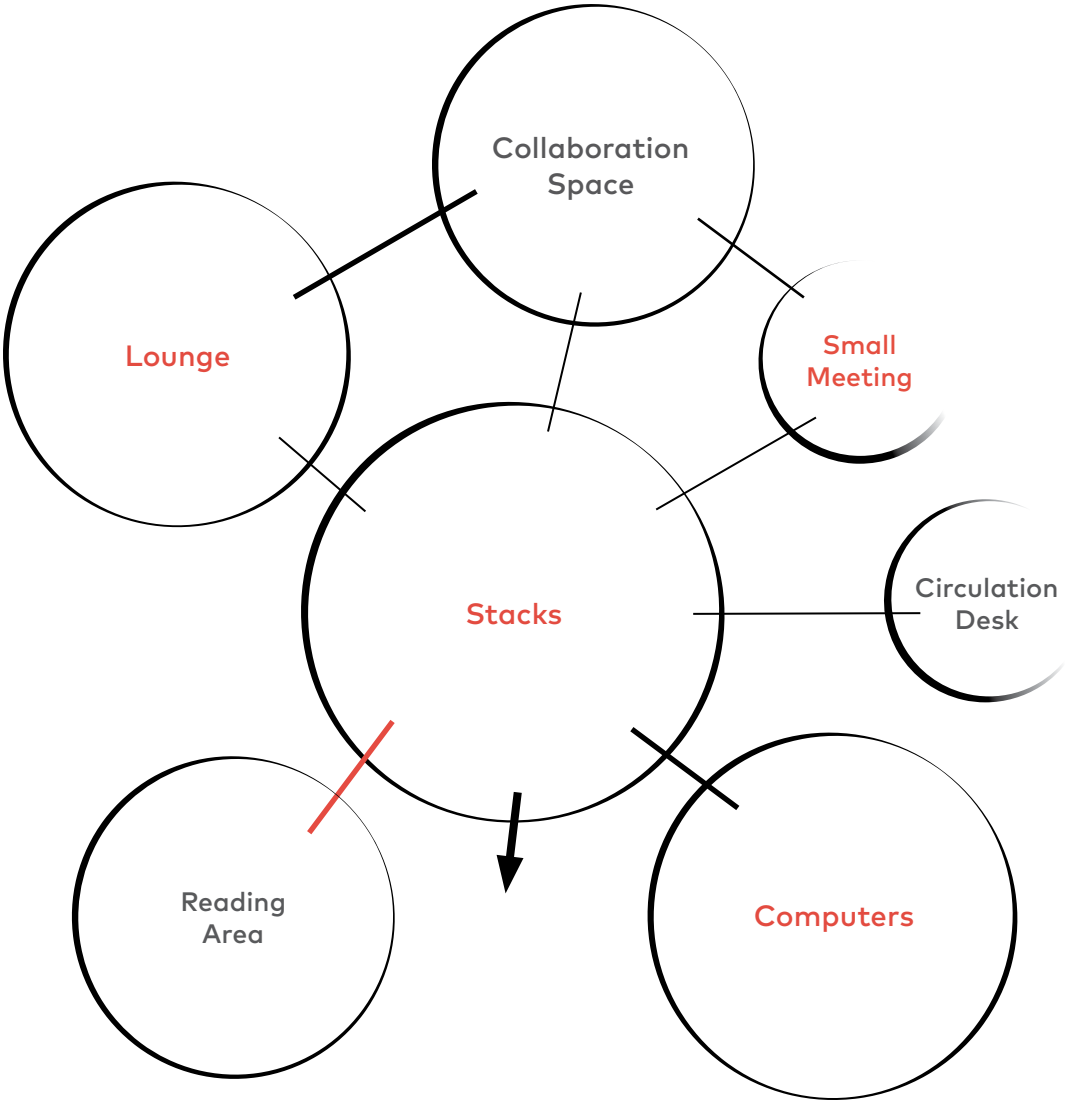
The Young Adult Area addresses the request for dedicated space for Gunnison County youth who otherwise lack their own gathering spaces in the community. This space provides book stacks, computer stations, collaboration and meeting space, reading areas, and an important spot to hang out.

AREAS

- Stacks
- Reading Space
- Lounge
- Collaboration Space
- Computer Stations
- Study space
- Group work

DESIGN CONSIDERATIONS

- Proximity to Adult Collection
- Quiet areas for studying, tutoring sessions, and group work
- Collaboration and lounge area for socializing
- Proximity for gaming activities
- Storage for technology equipment
- Unique collections & maker space



Young Adult Area

Program Adjacencies

Legend

- Primary Adjacencies
- Secondary Adjacencies
- Tertiary Adjacencies
- Visual Connection, Not Auditory
- Exterior Access

Adjacencies

Adult Area

COZY	RELAXING	SELF-SELECTION
QUIET	WELCOMING	NATURAL LIGHT

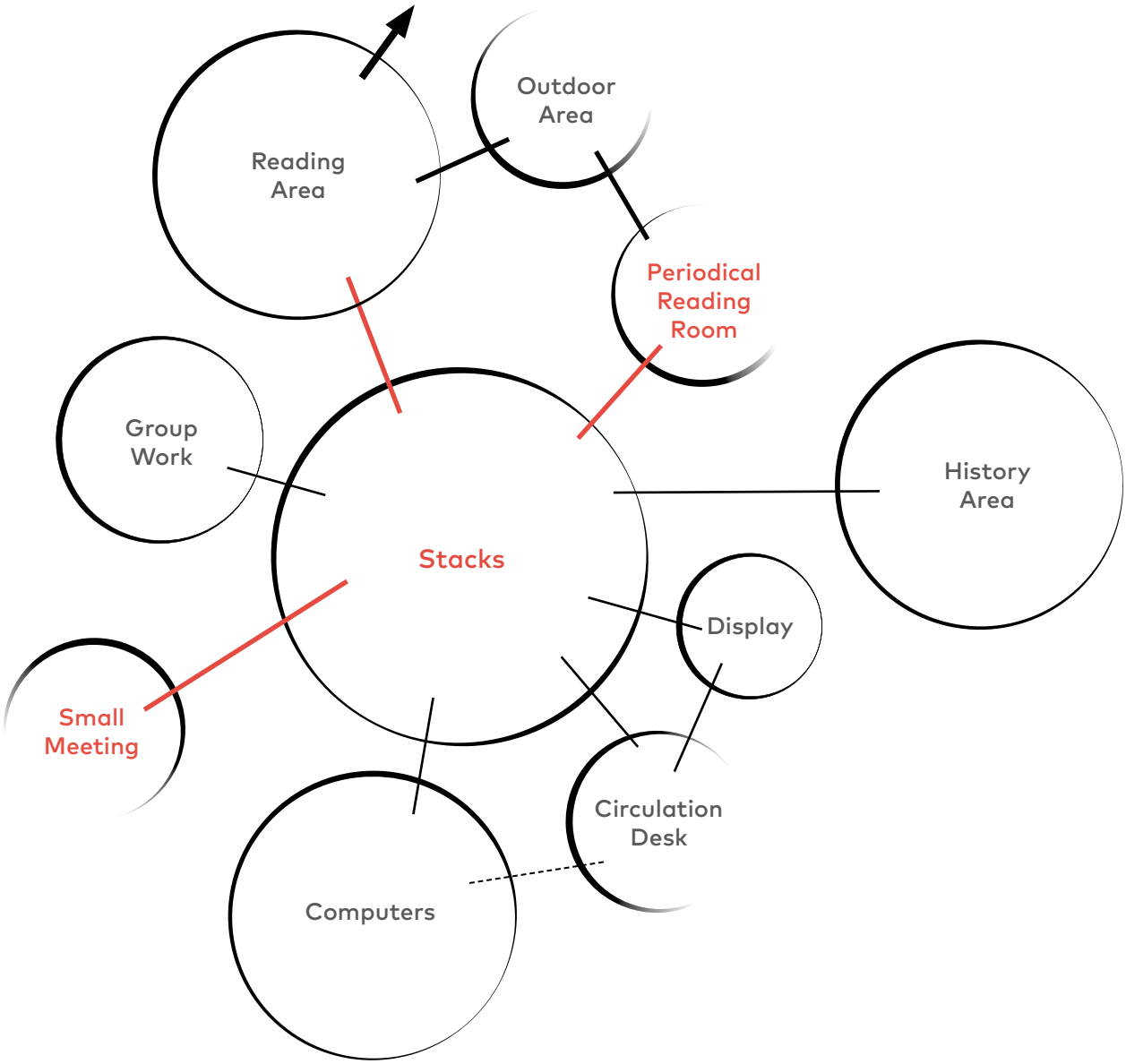
The Adult Area is the primary space for most of the book stacks within the library and also provides dedicated computers, meeting space, and the desired Adult Reading Area.

SPACES

- Computer Stations
- Reading Space
- Stacks
- Meeting Rooms
- Group work

DESIGN CONSIDERATIONS

- Acoustic separation from Children's area
- Computer and group work located as to not disrupt reading area
- Reading Nooks
- Acoustic Comfort
- Views and an abundance of daylighting
- Comfortable reading chairs
- Charging stations for electronics
- Assorted small tables and chairs
- High number of outlets and USB ports



Adult Area

Program Adjacencies

Legend

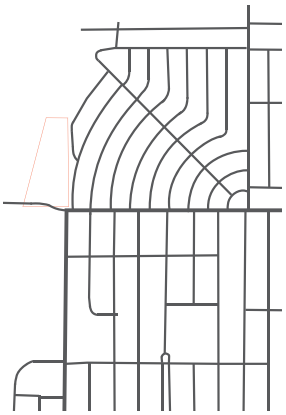
- Primary Adjacencies
- Secondary Adjacencies
- Tertiary Adjacencies
- Visual Connection, Not Auditory
- Exterior Access

Site

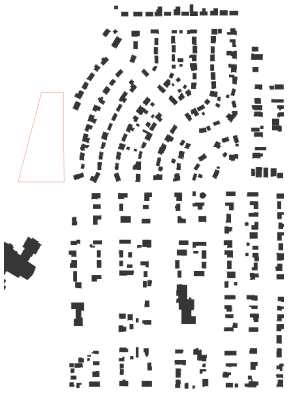
OPPORTUNITIES

The proposed site for the new Gunnison County Library is a 5.32-acre parcel on the corner of Spencer Ave and North 11th located in Gunnison, Colorado. The site was given to the Library District by Ray Van Tuyl and designated for a new Library. Adjacent to the open fields of the Van Tuyl Ranch, the site boarders the Van Tuyl Trail, a local gem used for walking, running, and skiing along the West edge of Gunnison. Cottonwood trees run along the site's Northern and Wester edges following the trail and irrigation system. The remainder of the site is covered in natural vegetation including native grasses and sage.

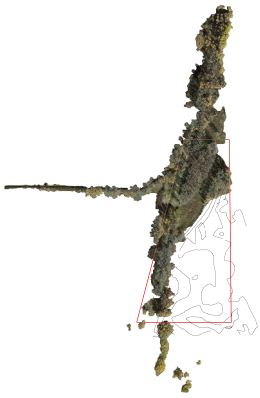
- Predominant winds from the West with occasional Northern wind from the Ohio Creek Valley and Southernly wind coming up the Gunnison Valley
- Short summer season with shoulder seasons regarded as "Mud Season," and long cold winters
- Sustained colder than average temperatures



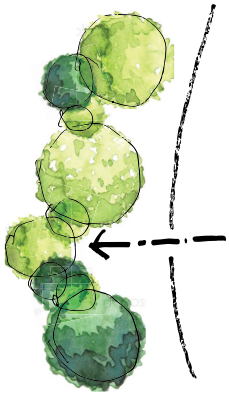
STREETS



STRUCTURES



TREE LINE



PARTI

PARTI

A Parti, or overall concept, was formed from an examination of the site, surrounding context, acoustics, and built environment. Van Tuyl Ranch sits at the edge of town, separating the urban, built environment, from the natural grasslands, river, and Palisades. In celebration of this unique and beautiful site, the Library structure began to develop as a threshold, or transition, from the urban edge to nature. A place to bring the community into the site and enjoy, explore, and surround themselves with nature, discovering a connection to the site through the building by way of circulation, views, and outdoor areas.

LEGEND
WIND
SUN PATH
WALKING PATH
PROPERTY LINE
CHARMAR PARK
ALLEY
VAN TUYL RANCH
VAN TUYL TRAIL
QUARTZ HILL RD.
CNTY RD 15
SPENCER AVE.
COMMUNITY SCHOOL
N 11TH ST.

SITE

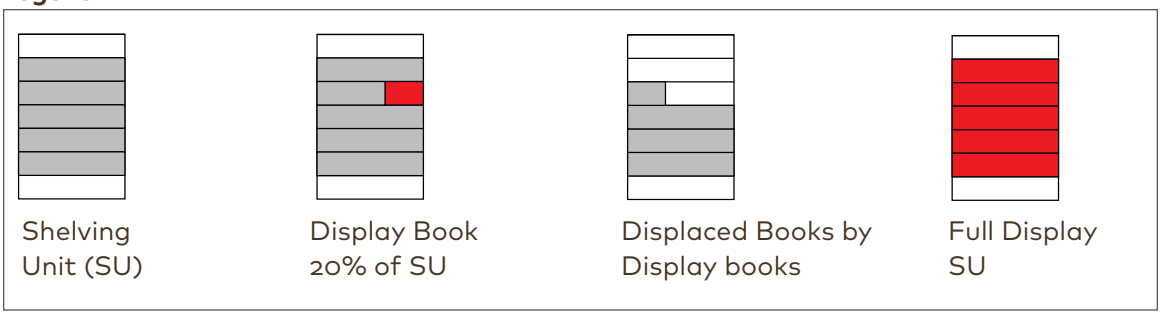
Stack Assessment

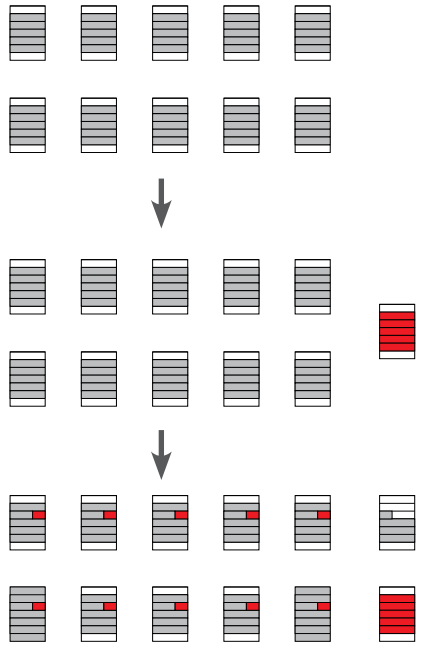
COLLECTION ASSESSMENT

The following Stack Assessment analyzes the current Gunnison Library Collection broken into three categories: Adult, Young Adult, and Children. The assessment calculates the desired growth rates, display and comfort factors, and the volumes out to patrons. The second assessment analyzes the annual growth and its effect on the collection by volume, linear feet, and shelving units needed.

The following graphic illustrates the Opening LNFT Shelving, Display Factor and Full Display Factor using (10) Shelving Units.

Legend





Opening Day Shelving Units
(10) Shelving Units with 7 shelves, collection occupying all shelves except the top and bottom shelves.

SU + 10% Full Display Factor
(10) Shelving Units with the addition of the 10% Full Display Factor: adding (1) Shelving Unit of all display books

SU + 10% Full Display & 20% Display Factors
(10) Shelving Units with the addition of the 10% Full Display Factor: adding (1) Shelving Unit of all display books. The addition of the Display Factor: One display book per 20% of shelves plus the additional shelving needed for the displaced books.

Type	Current Count Volumes	Width Factor in Volumes per Foot	Desired Growth in Volumes	Current LNFT Shelving	Opening LNFT Shelving Opening Day	Display Factor in LNFT 20% of shelves	Total LNFT	Full Display LNFT 10% of LNFT	Maximum Capacity	Shelving Capacity 85% Comfort	Volumes Checked-Out 20% Out
Adult			25% Growth								
Biography	184	10	230	18.40	23.00	1.53	24.53	2.30	26.83	31.57	25.25
Fiction	4693	10	5866.25	469.30	586.63	39.11	625.73	58.66	684.40	805.17	644.14
Non Fiction	4170	10	5212.5	417.00	521.25	34.75	556.00	52.13	608.13	715.44	572.35
New Books	1771	10	2213.75	177.10	221.38	14.76	236.13	22.14	258.27	303.85	243.08
Genealogy	129	10	161.25	12.90	16.13	1.08	17.20	1.61	18.81	22.13	17.71
Foreign Language	452	10	565	45.20	56.50	3.77	60.27	5.65	65.92	77.55	62.04
Large Print	123	10	153.75	12.30	15.38	1.03	16.40	1.54	17.94	21.10	16.88
Western History	963	10	1203.75	96.30	120.38	8.03	128.40	12.04	140.44	165.22	132.18
Misc. books (oversize, reference, etc)	23	7	28.75	3.29	4.11	0.27	4.38	0.41	4.79	5.64	4.51
Magazines	1394	40	1742.5	34.85	43.56	2.90	46.47	4.36	50.82	59.79	47.83
Audibooks	1736	27	2170	64.30	80.37	5.36	85.73	8.04	93.77	110.31	88.25
Video	2232	18	6696	124.00	372.00	24.80	396.80	37.20	434.00	510.59	408.47
Adult Total	**17870**		**26243.50**	**1474.93**	**2060.67**	**137.38**	**2198.04**	**206.07**	**2404.11**	**2828.36**	**2262.69**
										SQFT	**1357.61**
Children's			Double Current								
Chapter Books	517	10	1034	51.70	103.40	6.89	110.29	10.34	120.63	141.92	113.54
Easy Readers	3484	23	6968	151.48	302.96	20.20	323.15	30.30	353.45	415.82	332.66
Juv Audiobooks	135	27	270	5.00	10.00	0.67	10.67	1.00	11.67	13.73	10.98
Juv Fiction	1948	10	3896	194.80	389.60	25.97	415.57	38.96	454.53	534.75	427.80
Juv NonFic	1776	12	3552	148.00	296.00	19.73	315.73	29.60	345.33	406.27	325.02
Children's Total	**7860**		**15720**	**550.98**	**1101.96**	**73.46**	**1175.42**	**110.20**	**1285.62**	**1512.49**	**1209.99**
										SQFT	**725.99**
Young Adult			Double Current								
Young Adult Fiction	951	10	1902	95.10	190.20	12.68	202.88	19.02	221.90	261.06	208.85
Young Adult Non Fiction	37	11	74	3.36	6.73	0.45	7.18	0.67	7.85	9.23	7.39
Graphic Novels	100	30	200	3.33	6.67	0.44	7.11	0.67	7.78	9.15	7.32
Young Adult Total	**1088**		**2176**	**101.80**	**203.59**	**13.57**	**217.17**	**20.36**	**237.53**	**279.44**	**223.55**
										SQFT	**134.13**

Current Count Volumes indicates the volumes for each type the Library currently has.

The Width Factor is an industry standard volume per foot for each typical type of collection item. Example: You can fit an average of (30) graphic novels per (1) linear foot.

The Desired Growth accounts for the desired growth by the Library District for this type of collection before Opening Day.

The linear feet of shelving needed for Opening Day is calculated by taking the Volume Count divided by the Growth Factor. Example: 200 volumes / 30 volumes per linear foot = 6.67 linear feet.

The Comfort Factor reduces over stuffed shelves. The factor adds 15% to the overall linear feet needed in order to create "breathing room" for the shelves.

The Check-out Factor accounts for the books that are checked-out at any given time.

Legend

Blue = Volumes
Black = SQFT or LNFT
Green = Shelving Unit Count

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Type	2020 Volumes	2020 LNFT	2025 Volumes	2025 LNFT	2030 Volumes	2030 LNFT	2035 Volumes	2035 LNFT	2040 Volumes	2040 LNFT
	Opening		5.00		10.00		15.00		20.00	
Adult										
Biography	230.00	25.25	293.54	29.35	374.65	37.46	478.15	47.82	610.26	61.03
Fiction	5866.25	644.14	7486.99	748.70	9555.50	955.55	12195.51	1219.55	15564.91	1556.49
Non Fiction	5212.50	572.35	6652.62	665.26	8490.61	849.06	10836.41	1083.64	13830.31	1383.03
New Books	2213.75	243.08	2825.37	282.54	3605.97	360.60	4602.23	460.22	5873.74	587.37
Genealogy	161.25	17.71	205.80	20.58	262.66	26.27	335.23	33.52	427.84	42.78
Foreign Language	565.00	62.04	721.10	72.11	920.33	92.03	1174.59	117.46	1499.11	149.91
Large Print	153.75	16.88	196.23	19.62	250.44	25.04	319.64	31.96	407.94	40.79
Western History	1203.75	132.18	1536.32	153.63	1960.78	196.08	2502.51	250.25	3193.91	319.39
Misc. books (oversize, reference, etc)	28.75	4.51	36.69	5.24	46.83	4.68	59.77	5.98	76.28	7.63
Magazines	1742.50	47.83	2223.92	55.60	2838.35	283.83	3622.53	362.25	4623.37	462.34
Audibooks	2170.00	88.25	2769.53	102.58	3534.70	353.47	4511.27	451.13	5757.66	575.77
Video	6696.00	408.47	8545.98	474.78	10907.08	1090.71	13920.50	1392.05	17766.48	1776.65
Adult Total	**26243.50**	**2262.69**	**33494.10**	**2629.99**	**42747.90**	**4274.79**	**54558.35**	**5455.84**	**69631.82**	**6963.18**
Adult Growth	**8373.50**	**787.76**	**15624.10**	**1155.06**	**24877.90**	**2799.86**	**36688.35**	**3980.90**	**51761.82**	**5488.25**
Adult 3' Units		**150.85**		**175.33**		**284.99**		**363.72**		**464.21**
Children's										
Chapter Books	1034.00	113.54	1319.68	131.97	1684.28	168.43	2149.61	214.96	2743.51	274.35
Easy Readers	6968.00	332.66	8893.13	386.66	11350.14	1135.01	14485.97	1448.60	18488.18	1848.82
Juv Audiobooks	270.00	10.98	344.60	12.76	439.80	43.98	561.31	56.13	716.39	71.64
Juv Fiction	3896.00	427.80	4972.39	497.24	6346.17	634.62	8099.50	809.95	10337.25	1033.72
Juv NonFic	3552.00	325.02	4533.35	377.78	5785.83	578.58	7384.35	738.44	9424.51	942.45
Children's Total	**15720.00**	**1209.99**	**20063.15**	**1406.41**	**25606.22**	**2560.62**	**32680.75**	**3268.08**	**41709.84**	**4170.98**
Children's Growth	**7860.00**	**659.01**	**12203.15**	**855.43**	**17746.22**	**2009.64**	**24820.75**	**2717.10**	**33849.84**	**3620.01**
Children's 3' Units		**80.67**		**93.76**		**170.71**		**217.87**		**278.07**
Young Adult										
Young Adult Fiction	1902.00	208.85	2427.49	242.75	3098.16	309.82	3954.12	395.41	5046.57	504.66
Young Adult Non Fiction	74.00	7.39	94.44	8.59	120.54	12.05	153.84	15.38	196.34	19.63
Graphic Novels	200.00	7.32	255.26	8.51	325.78	32.58	415.79	41.58	530.66	53.07
Young Adult Total	**2176.00**	**223.55**	**55106.63**	**259.84**	**72503.15**	**354.45**	**94706.00**	**452.37**	**123043.10**	**577.36**
Young Adult Growth	**1088.00**	**121.76**	**54018.63**	**158.05**	**71415.15**	**252.65**	**93618.00**	**350.58**	**121955.10**	**475.56**
Young Adult 3' Units		**14.90**		**17.32**		**23.63**		**30.16**		**38.49**
Total Collection	**44139.50**	**3696.24**	**108663.87**	**4296.24**	**140857.26**	**7189.86**	**181945.10**	**9176.29**	**234384.75**	**11711.52**
Total 3' Units		**246.42**		**286.42**		**479.32**		**611.75**		**780.77**

Annual Growth Rate 5%

LNFT needed to accommodated annual growth

Number of Shelving Units to house the growth in the Collection

Legend

Blue = Volumes
Black = SQFT or LNFT
Green = Shelving Unit Count

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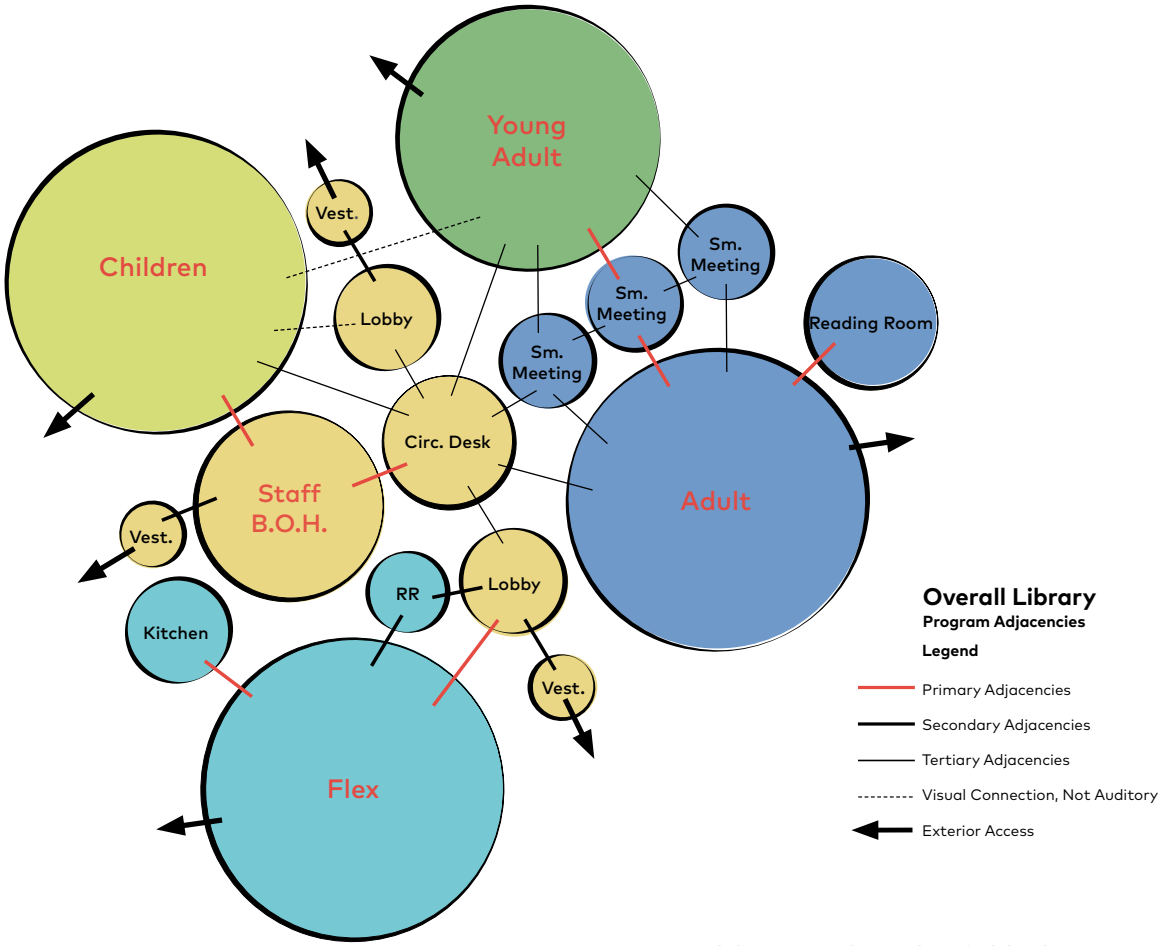
Preliminary Concepts

SITED PROGRAM

The following concepts are derived from an exploration of the Adjacency Diagram laid out on the Van Tuyl Property. The primary functional spaces are given different preferences in each concept, which allows an examination of the different opportunities each layout creates.

The concepts were presented to the Gunnison County Library Board, Mayors and Managers, and to the Public during an outreach event. The comments recieved from those presentations are included along with each conceptual layout.



PRELIMINARY CONCEPTS

Concept 01
"Valley"

COMMUNITY REACTIONS

Library Board
Mayors & Managers

PROS:
- Circulation sightlines
- Energy efficient
- E-W entry connects to primary parking

CONS:
- Adult interaction with trees is missing
- Reading room location is exposed, near parking

Public Outreach

PROS:
- View along circulation
- Separate reading room
- Treehouse oppotunity for children's area
- Condensed
- Clear circulation

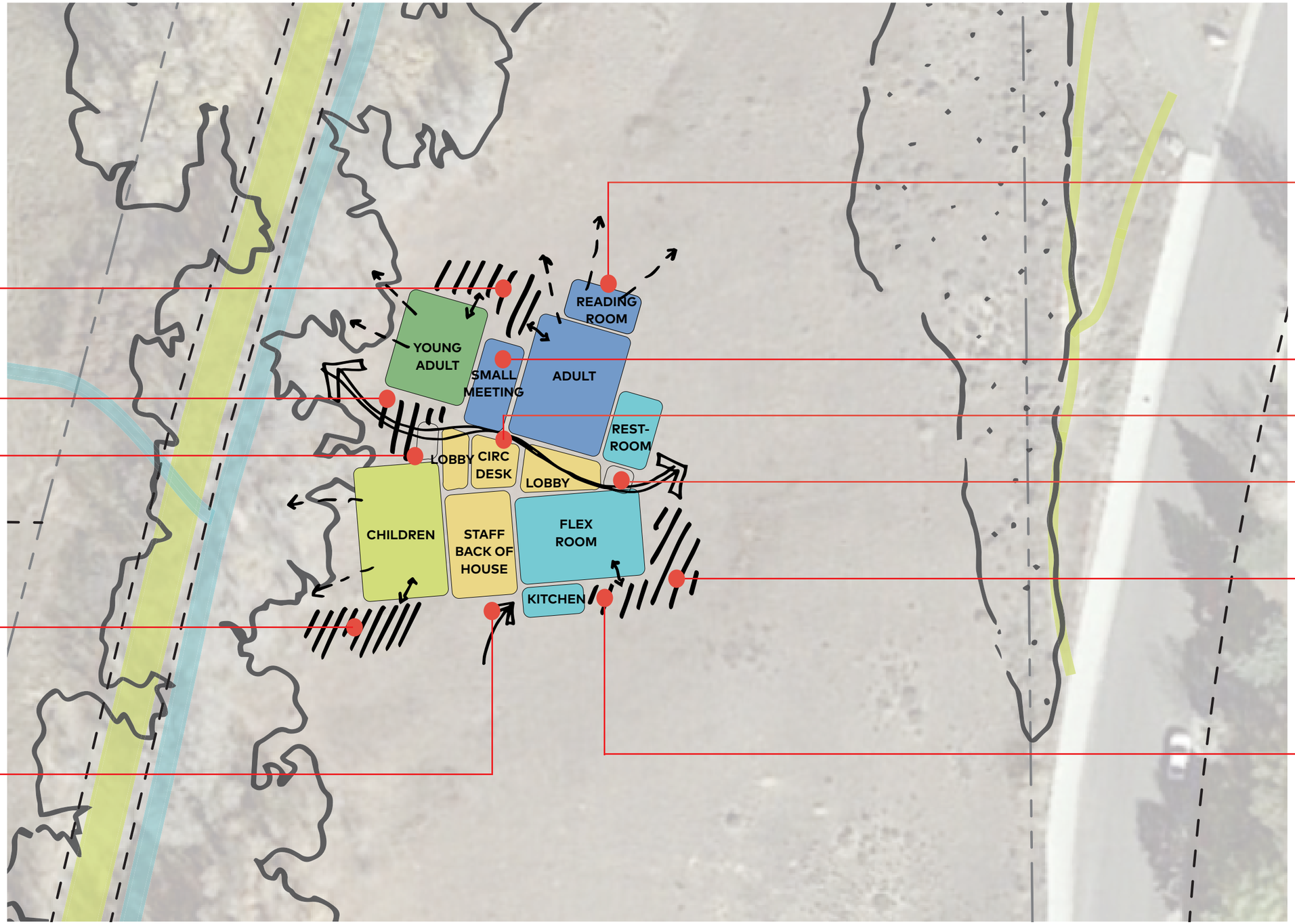
Interactive outdoor activity area with direct connection to Teen and Adult, with the outdoor space opening up to the grasslands and views.

Outdoor Classroom and space for Youth programming while connecting to nature.

Secondary entrance promoting trail connectivity and a safe walking path for Youth. Lobby with "Living Room" feel with supervising sightlines into Teen and Children's area in an acoustically separate, more social gathering area.

Children's outdoor activity area tucked into the trees for shady summer activities and spanning out into the winter sun for extended use. Acoustically separated from the quieter outdoor space to the North.

Staff entrance, courier drop off, and year round outdoor area for staff enjoyment. Entrance also acts as access to kitchen during catered events.



Quiet, light filled Reading Room with sweeping views of grasslands, wetlands, and tree canopy. Acoustic separation from louder programming.

Flexible Small Meeting rooms accessible from Adult and Teen area. Meeting rooms create an acoustic barrier between the adult and Teen programs.

Sightlines from Circulation Desk to Childrens, Teen, and Adult Areas.

Main entrance facing neighborhood and visibly shielded parking

Outdoor event areas create an inviting and energizing place to gather and enjoy nature. Facing the residential neighborhood, the area draws and welcomes the community to join in on library programs and events.

Kitchen and outdoor event area potential connection. Activating the kitchen and outdoor area interaction to encourage and facilite use of outdoor spaces.

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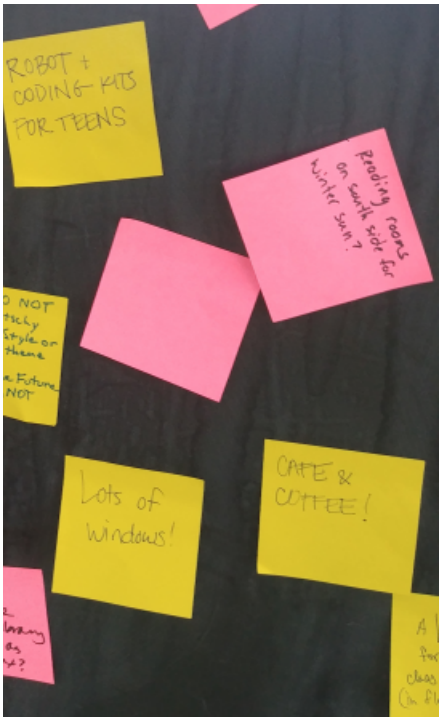
Community Outreach Event

08/01/2019



Concept 02
"Edge"

COMMUNITY REACTIONS

Library Board
Mayors & Managers

PROS:
- Southern entrance
- Back gathering area
- Solar exposure
- Interaction with edge
- East outdoor space gives opportunity for small community gathering space
- Reading room in the trees

CONS:
- More exterior walls = $
- Not SE entrance
- Circulation sightlines

Public Outreach

PROS:
- Outdoor shared space
- Programming and nature interaction

CONS:
- Spread out
- Circulation concerns
- Restrooms on south

Quiet indoor and outdoor Reading Room nestled in the trees, acoustically separated from louder programming.

Flexible Small Meeting rooms accessible from Adult and Teen area. Meeting rooms create an acoustic barrier between the Adult and Teen programs.

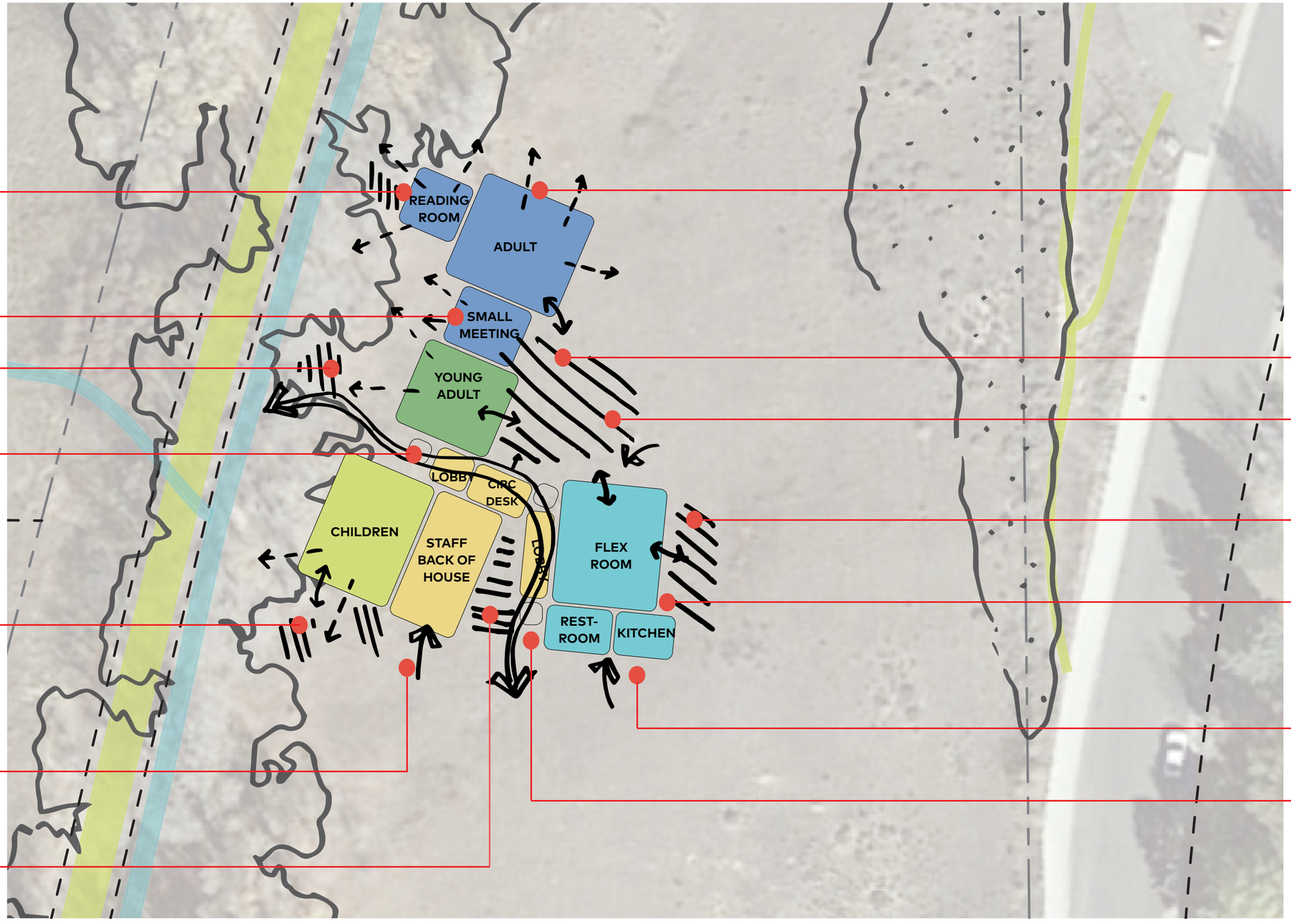
Outdoor Classroom and space for Youth programming while connecting to nature.

Secondary entrance promoting trail connectivity and a safe walking path for Youth. Lobby with "Living Room" feel with supervising sightlines into Teen and Children's area in an acoustically separate, more social gathering area.

Children's outdoor activity area tucked into the trees for shady summer activities and spanning out into the winter sun for extended use. Acoustically separated from the quieter outdoor space to the North.

Staff entrance, courier drop off, and year round outdoor area for staff enjoyment.

Shady summer and sunny winter outdoor reading area, "first flowers" garden, and gathering area with Circulation Desk sightlines.



Sweeping views of grasslands, wetlands, and tree canopy from light-filled Adult stack and reading area.

Interactive outdoor activity area with sightlines from the Circulation Desk and direct connection to Teen, Adult, and Flex Room; the outdoor space opens up to the grasslands and views.

Outdoor event areas create an inviting and energizing place to gather and enjoy nature. Facing the residential neighborhood, the area draws and welcomes the community to join in on library programs and events while enjoying the beautiful views.

Kitchen and outdoor event area potential connection. Activates the kitchen and outdoor area interaction to encourage and facilite use of outdoor spaces.

Separate access to kitchen during catered events.

Sunny Southern Main Entrance for year round access

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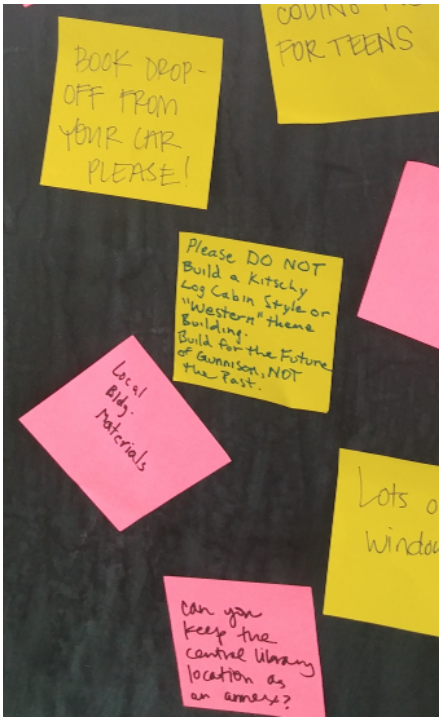
Maintain trail parking and encourage trail connectivity and access.
Libraries

Imagine a playful space for kids to be kids, without interrupting other library patrons.
Imagine


BOOK DROP-OFF FROM YOUR CAR PLEASE!
FOR TEENS
Please DO NOT Build a Kitschy Log Cabin Style or "Western" theme Building. Build for the Future of Gunnison, NOT the Past.
Local Bldg. Materials
Lots o
windo
Can you keep the central library location as an annex?

Concept 03
"Fan"

COMMUNITY REACTIONS

Library Board
Mayors & Managers

PROS:
- Outdoor spaces
- Solar exposure
- Straight entrance procession
- Reading room in the trees

CONS:
- E-W entrance connection to primary parking
- Parking split
- Sightlines
- Snow concern at east entrance

Public Outreach

CONS:
- East entrance
- Circulation concerns

Sweeping views of grasslands, wetlands, and tree canopy from light-filled Adult stack and reading area.

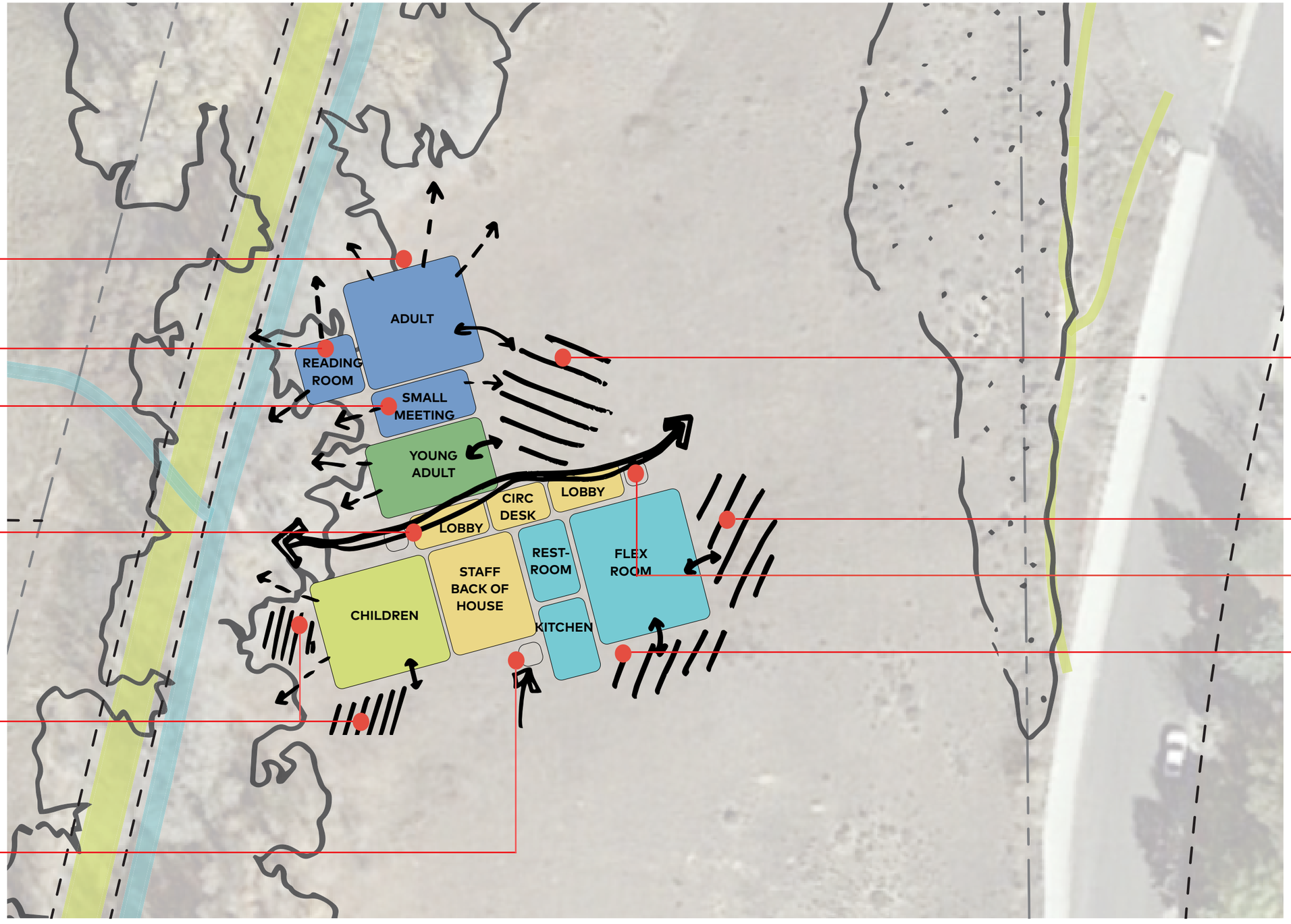
Quiet Reading Room nestled in the trees, acoustically separated from louder programming.

Flexible Small Meeting rooms accessible from Adult and Teen area. Meeting rooms create an acoustic barrier between the Adult and Teen programs.

Secondary entrance promoting trail connectivity and a safe walking path for Youth. Lobby with "Living Room" feel with supervising sightlines into Teen and Children's area in an acoustically separate, more social gathering area.

Children's outdoor activity area tucked into the trees for shady summer activities and spanning out into the winter sun for extended use. Acoustically separated from the quieter outdoor space to the North.

Staff entrance, courier drop off, and year round outdoor area for staff enjoyment.



Interactive outdoor activity area with sightlines from the Circulation Desk, direct connection to Teen, Adult, and Flex Room; the outdoor space opens up to the grasslands and views.

Outdoor event areas create an inviting and energizing place to gather and enjoy nature. Facing the residential neighborhood, the area draws and welcomes the community to join in on library programs and events while enjoying the beautiful views.

Main entrance facing neighborhood and visibly shielded parking

Kitchen and outdoor event area potential connection. Activates the kitchen and outdoor area interaction to encourage and facilite use of outdoor spaces.

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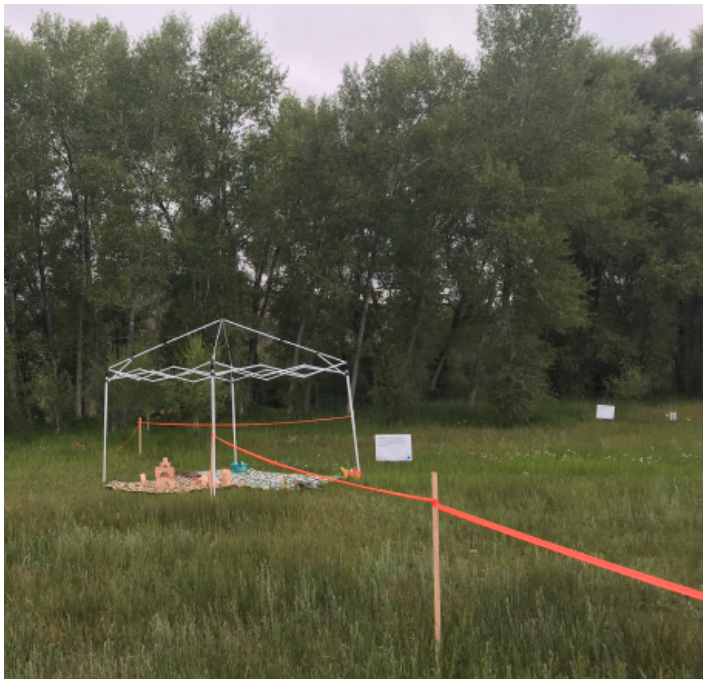
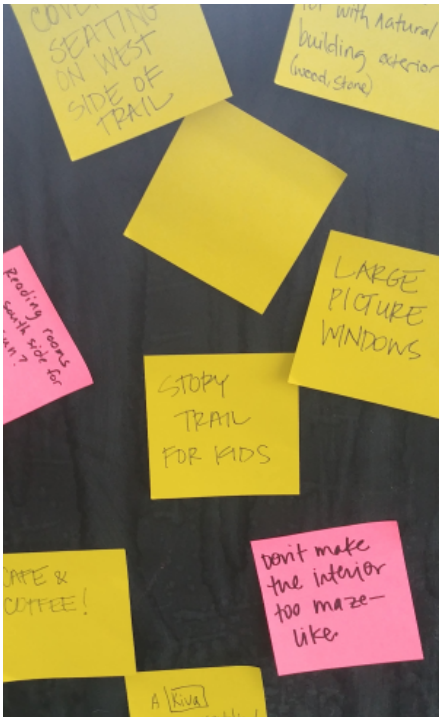



SEATING
ON WEST
SIDE OF
TRAIL
with natural
building exterior
(wood, stone)
LARGE
PICTURE
WINDOWS
STORY
TRAIL
FOR KIDS
Don't make
the interior
too maze-
like
COFFEE!

Concept 04 "Shift"

COMMUNITY REACTIONS

Library Board
Mayors & Managers

PROS:
- SE entrance and proximity for pedestrians
- Flex Room near trees
- Adult and Children proximity (parents' sight lines)
- Reading room in the trees
- Parking layout

CONS:
- Circulation sightlines
- Children's Area in shade
- B.O.H. Access
- Adult and Children proximity (auditory)

Public Outreach

PROS:
- Like flow
- Symmetry
- Adult and children in eye sight
- South entrance

CONS:
- Circulation concerns
- Solar concerns

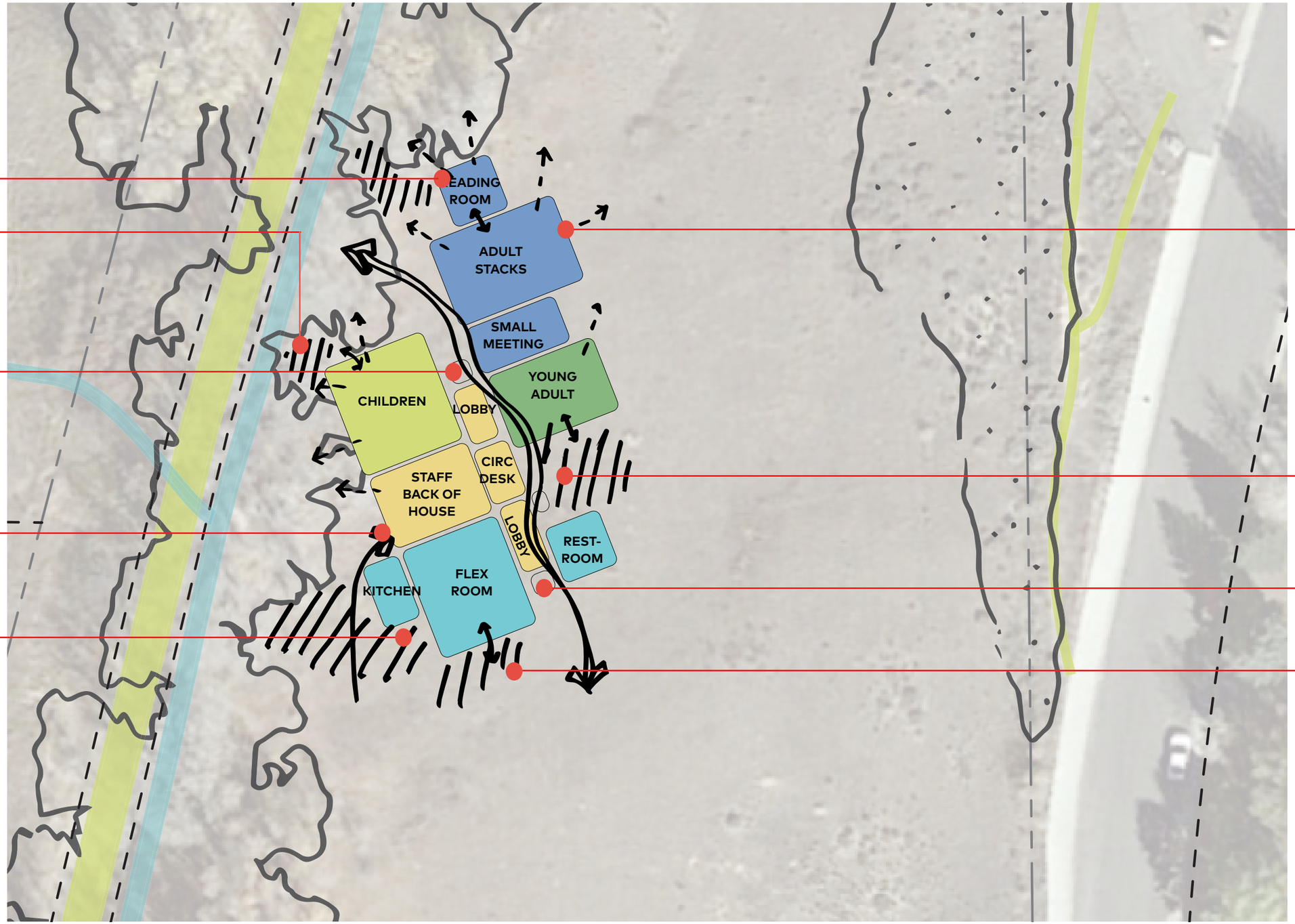
Quiet indoor and outdoor Reading Room nestled in the trees, acoustically separated from louder programming.

Children's outdoor activity area tucked into the trees for shady summer activities. Acoustically separated from the quieter outdoor space to the North.

Secondary entrance promoting trail connectivity and a safe walking path for Youth. Lobby with "Living Room" feel with supervising sightlines into Teen and Children's area in an acoustically separate, more social gathering area.

Staff entrance, courier drop off, and shady summer outdoor area for staff enjoyment.

Kitchen and outdoor event area potential connection. Activates the kitchen and outdoor area interaction to encourage and facilite use of outdoor spaces.



Sweeping views of grasslands, wetlands, and tree canopy from light-filled Adult stack and reading area.

Interactive outdoor activity area with sightlines from the Circulation Desk, direct connection to Teen, Adult, and Flex Room; the outdoor space opens up to the grasslands.

Sunny Southern Main Entrance for year round access

Outdoor event areas create an inviting and energizing place to gather and enjoy nature. Facing the residential neighborhood, the area draws and welcomes the community to join in on library programs and events while enjoying the beautiful views.

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Materials

- Ramping up to corners for floor-to-ceiling glazing feel while having protected surfaces near ground for snow drifts
- Glazing placement for light, view, and facade protection
- Durable finishes for snow adjacency

Preferred Alternative

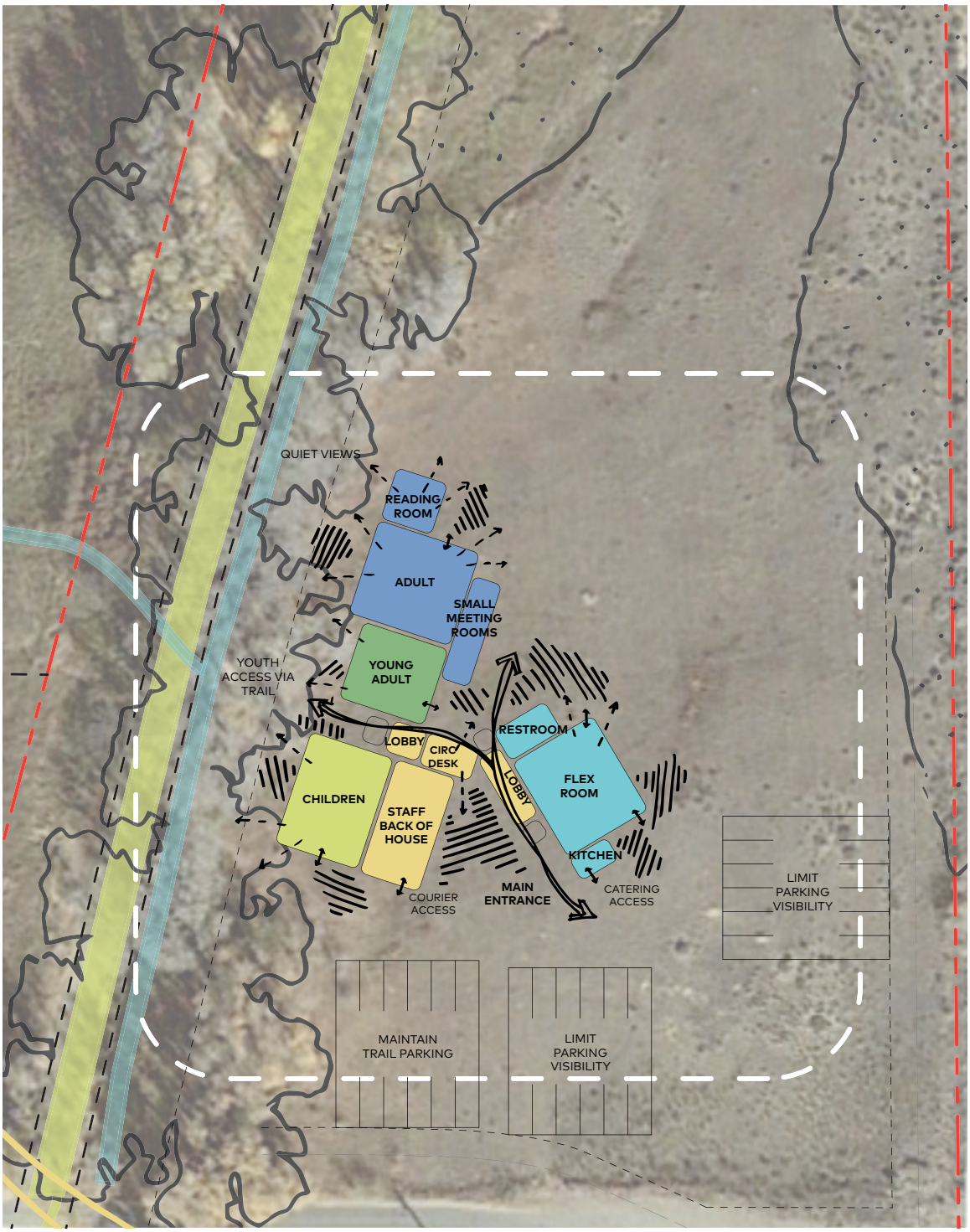
The preferred alternative was a reconciliation of the advantages and disadvantages and Community input of the four conceptual layouts. The preferred alternative included the positive attributes of the four conceptual layouts and addressed the concerns voiced by the District and Community on the entrance direction, consolidation, sightlines, and preferred parking location.

PROS:

- SE entrance and proximity for pedestrians
- Parking layout
- Southeast entrance
- Back gathering area
- Solar Exposure
- Interaction with edge
- Gives opportunity for outdoor gathering
- Reading Room in the trees
- More condensed
- Sightline improvements
- Programming interaction with nature
- Central Restrooms

CONS:

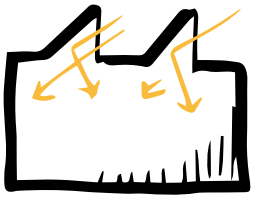
- Circulation sightlines
- Spread out
- Exterior exposure



PREFERRED ALTERNATIVE

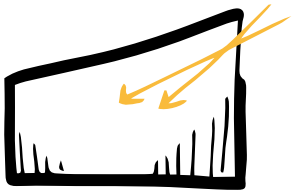
Light Diagrams

WORDMAP

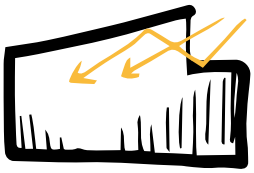


MONITOR
Winter: Indirect
Summer: Direct

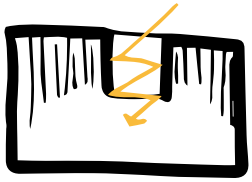
LIGHT SHELF
Winter: Direct
Summer: Indirect



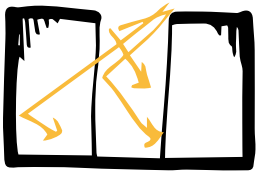
CLERESTORY
Winter: Direct
Summer: Direct



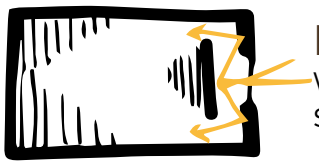
CLERESTORY
Winter: Direct
Summer: Indirect



LIGHT TUBE
Diffuse
Indirect

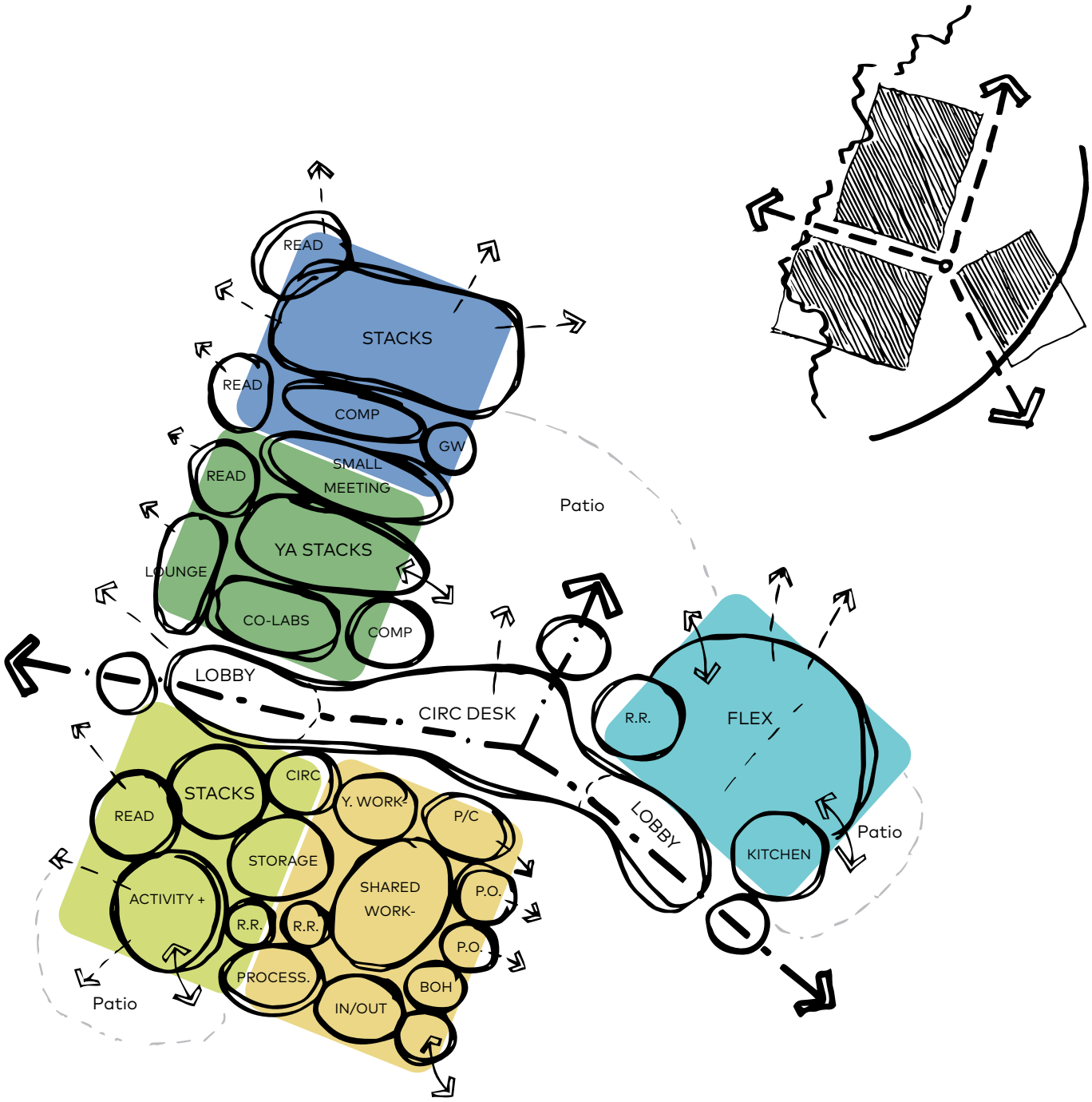


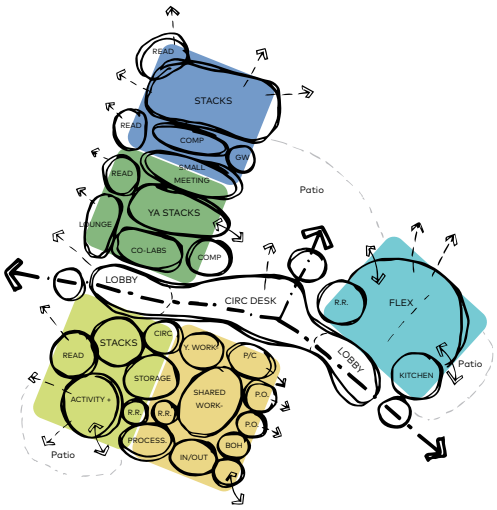
LIGHT WELL
Winter: Direct
Summer: Indirect

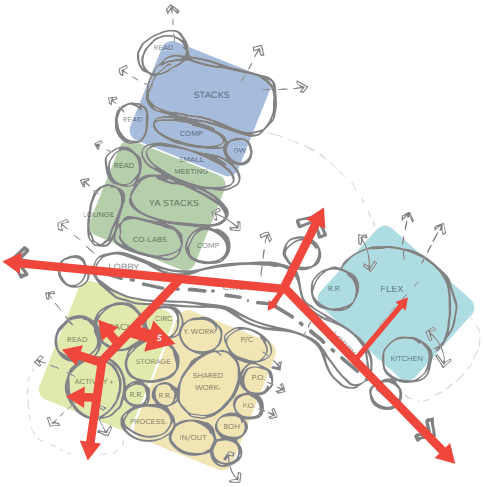


HIDDEN SOURCE
Winter: Indirect
Summer: Indirect

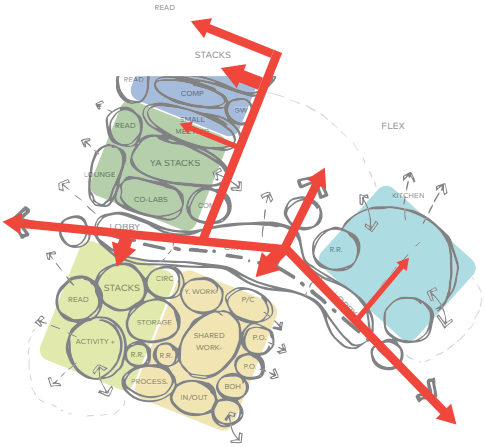
Alternative 01



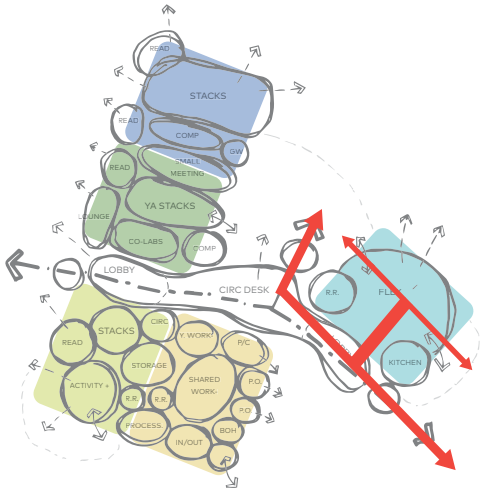




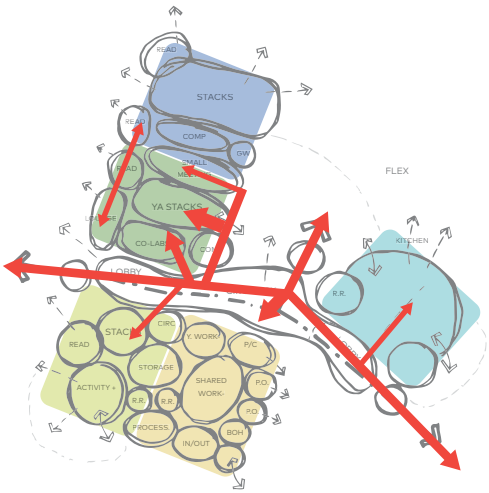
CHILDREN



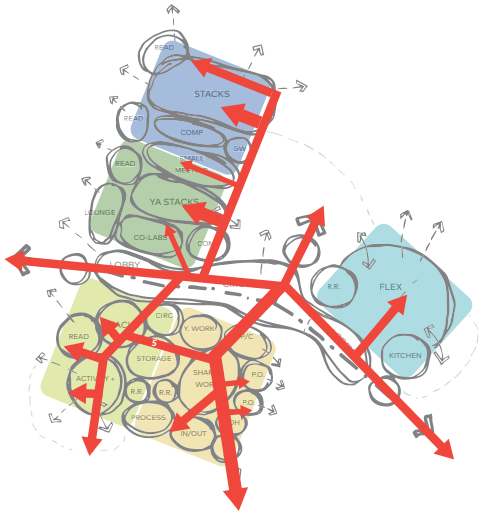
ADULT



FLEX



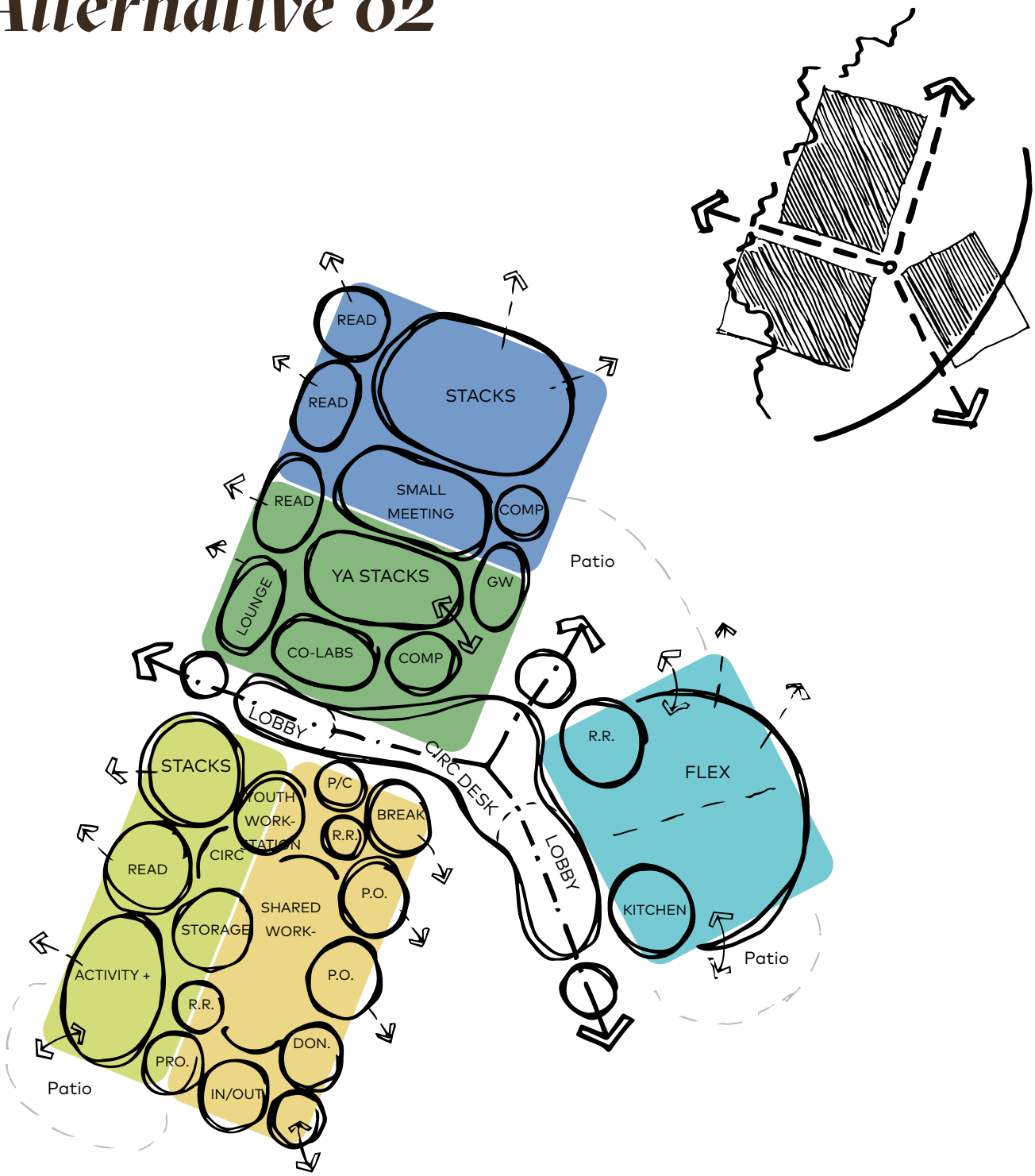
YOUNG ADULT

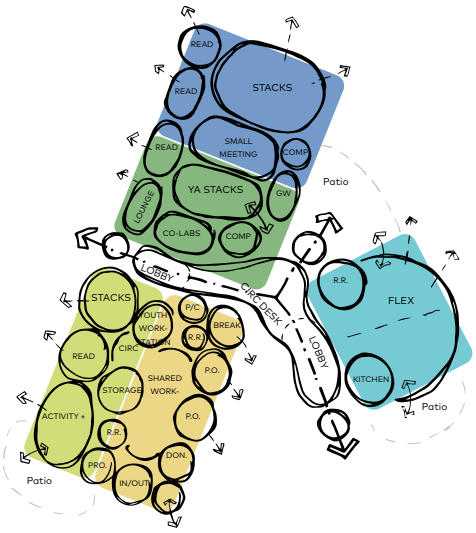


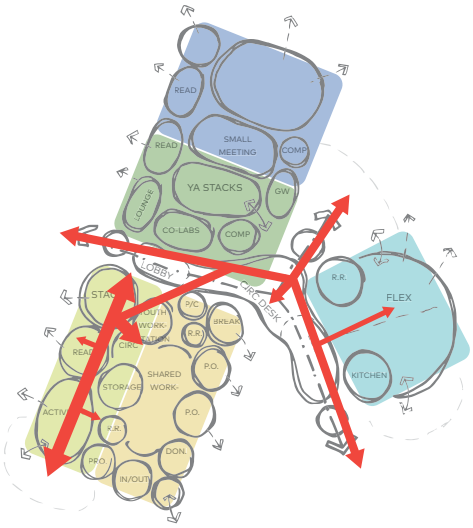
STAFF

ALTERNATIVE 01

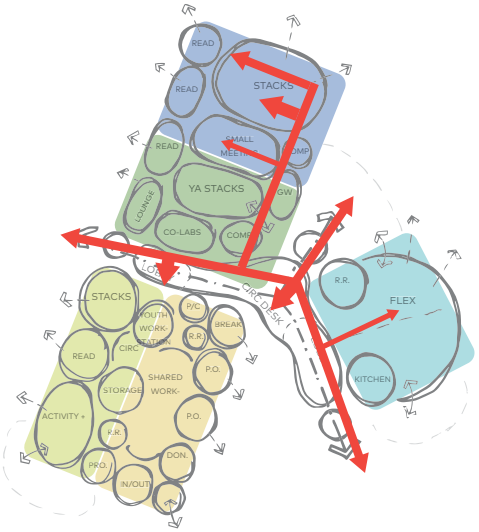
Alternative 02





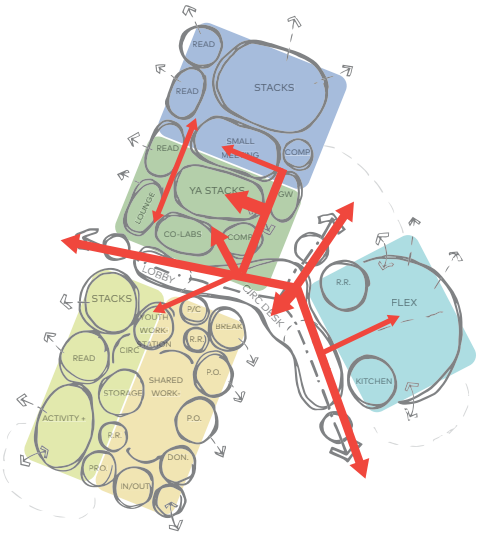


CHILDREN

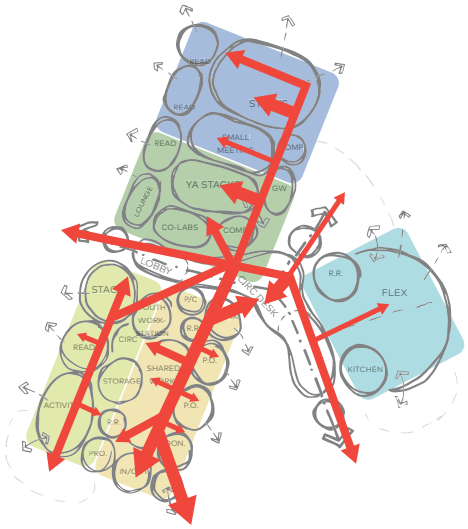


ADULT

FLEX



YOUNG ADULT

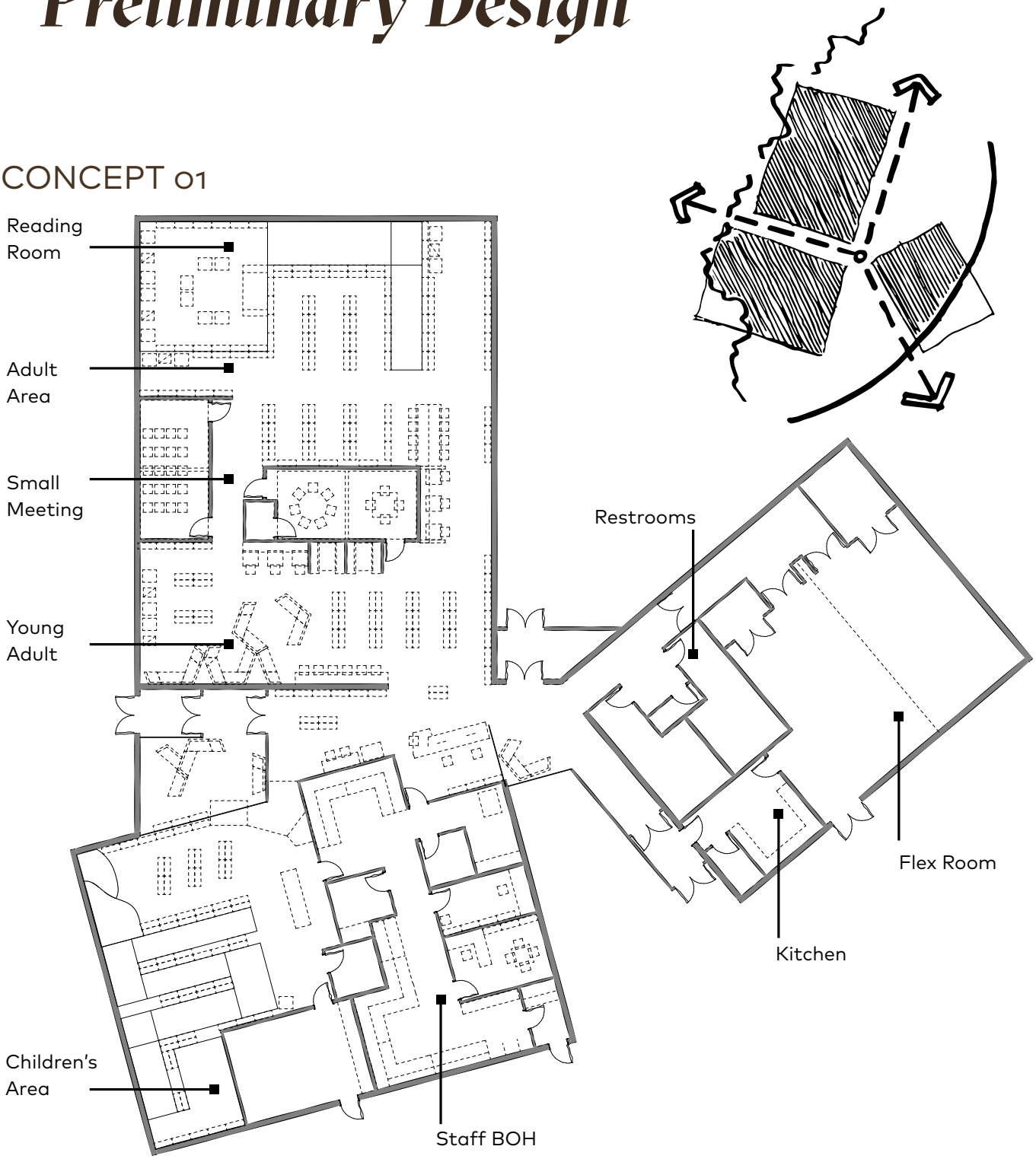


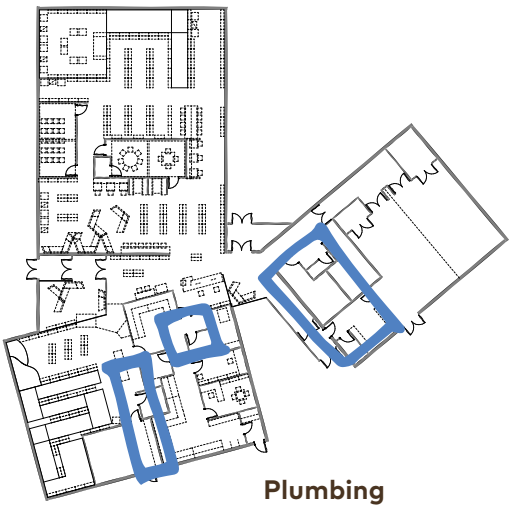
STAFF

ALTERNATIVE 02

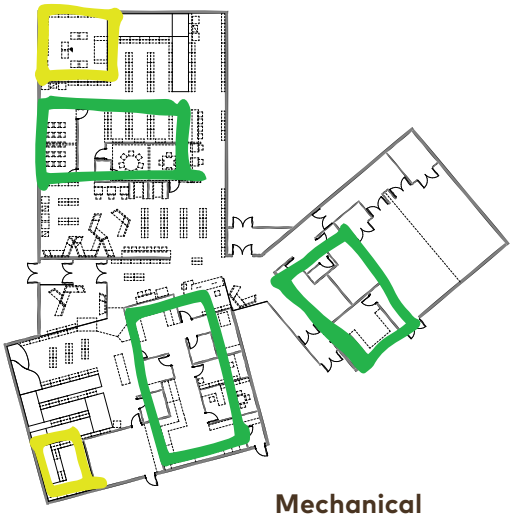
Preliminary Design

CONCEPT 01

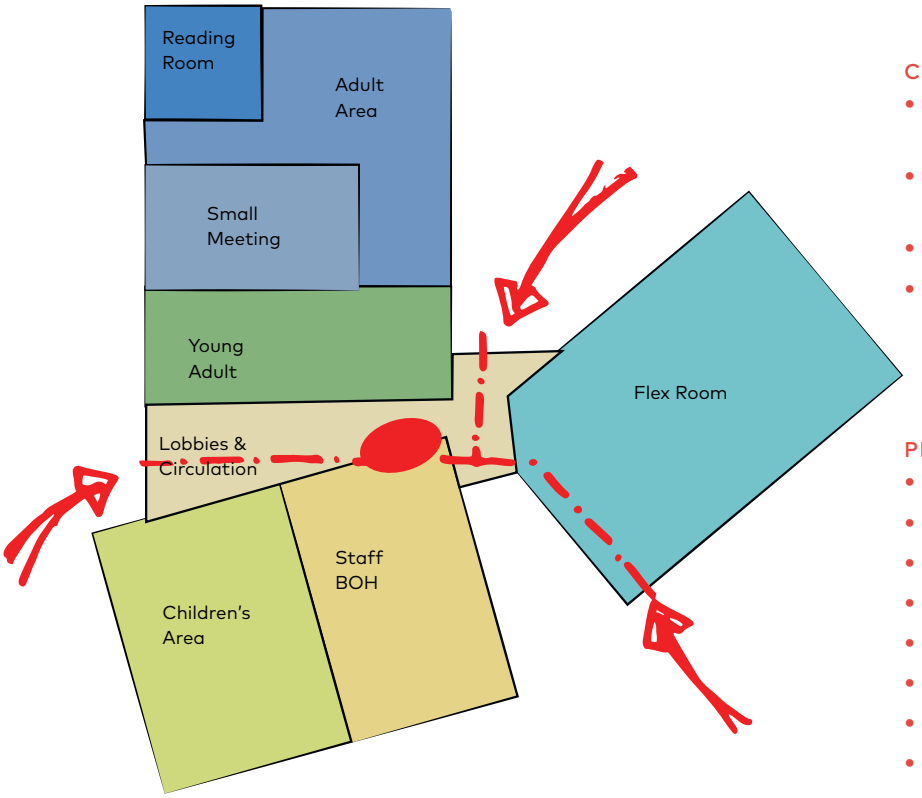




Plumbing



Mechanical



CONS

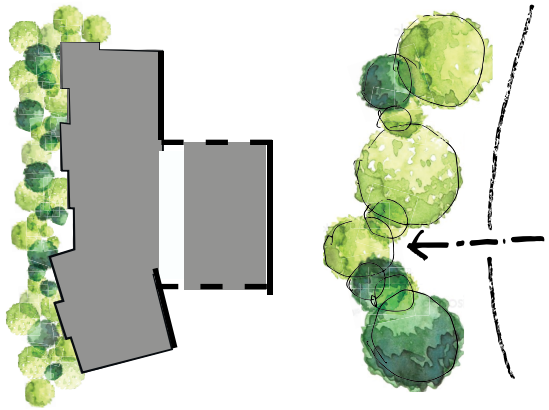
- Circulation sightlines at entrances & flex areas
- Exterior exposure = Life cycle cost concerns
- Entrance Flow
- Spread Out

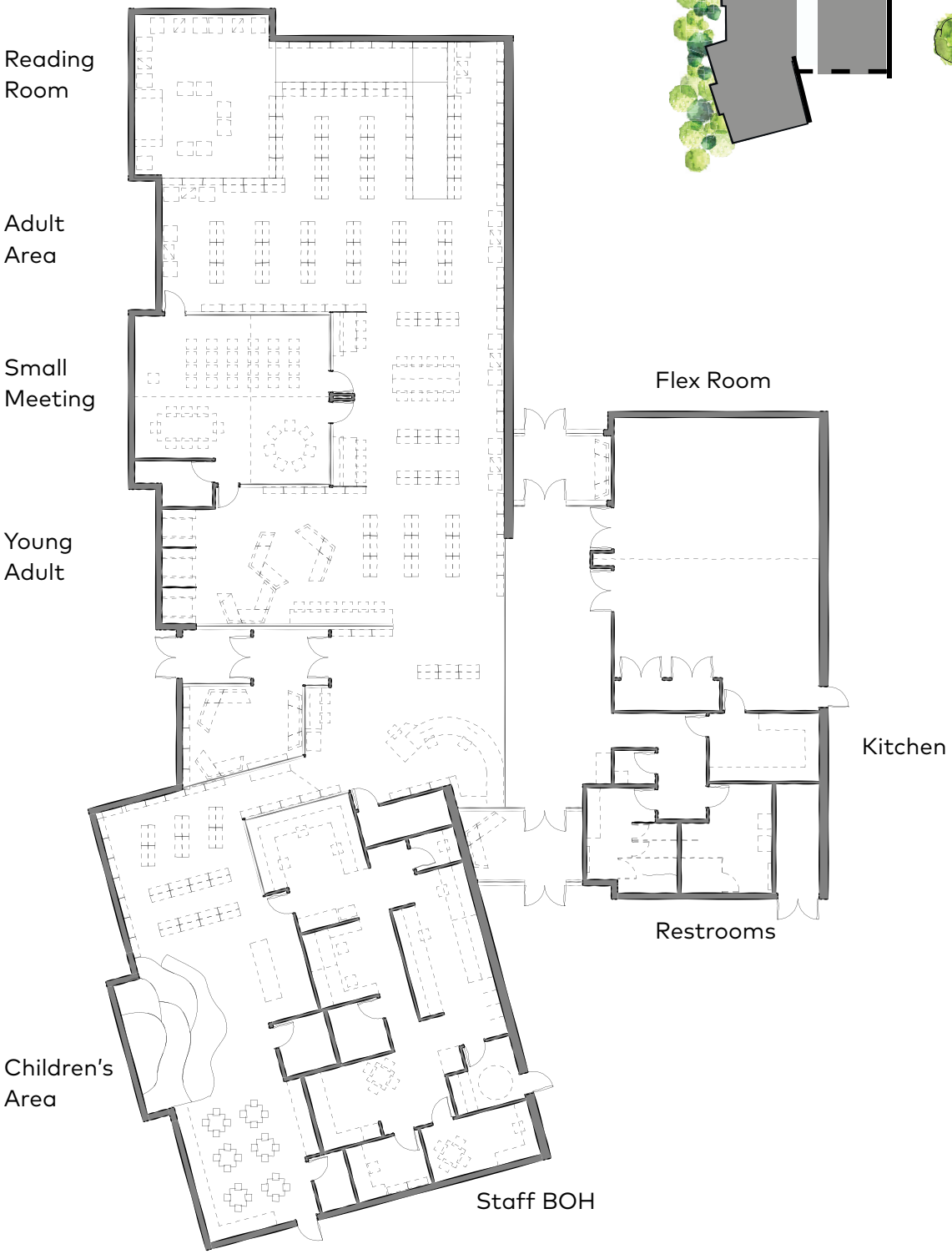
PROS:

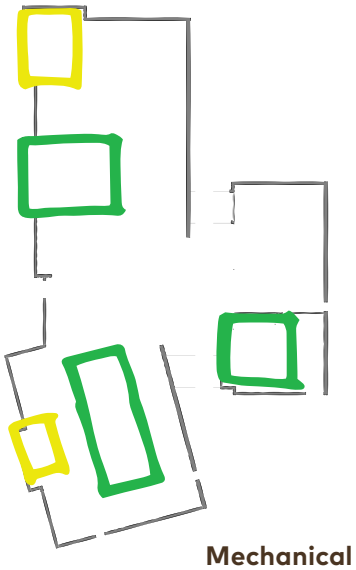
- SE entrance and pedestrian focused
- Parking layout
- Southeast entrance
- Back gathering area
- Solar exposure
- Interaction with edge
- Outdoor gathering area
- Reading room in the trees
- Sightlines improvements
- Programming / nature
- Restrooms central

PRELIMINARY DESIGN

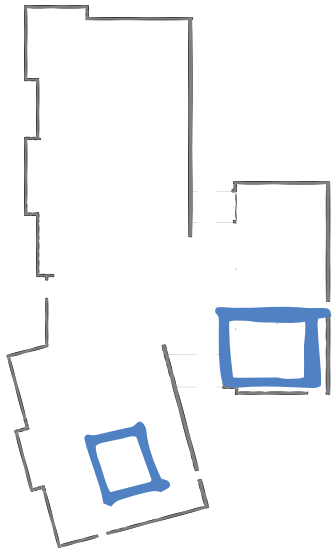
CONCEPT 02



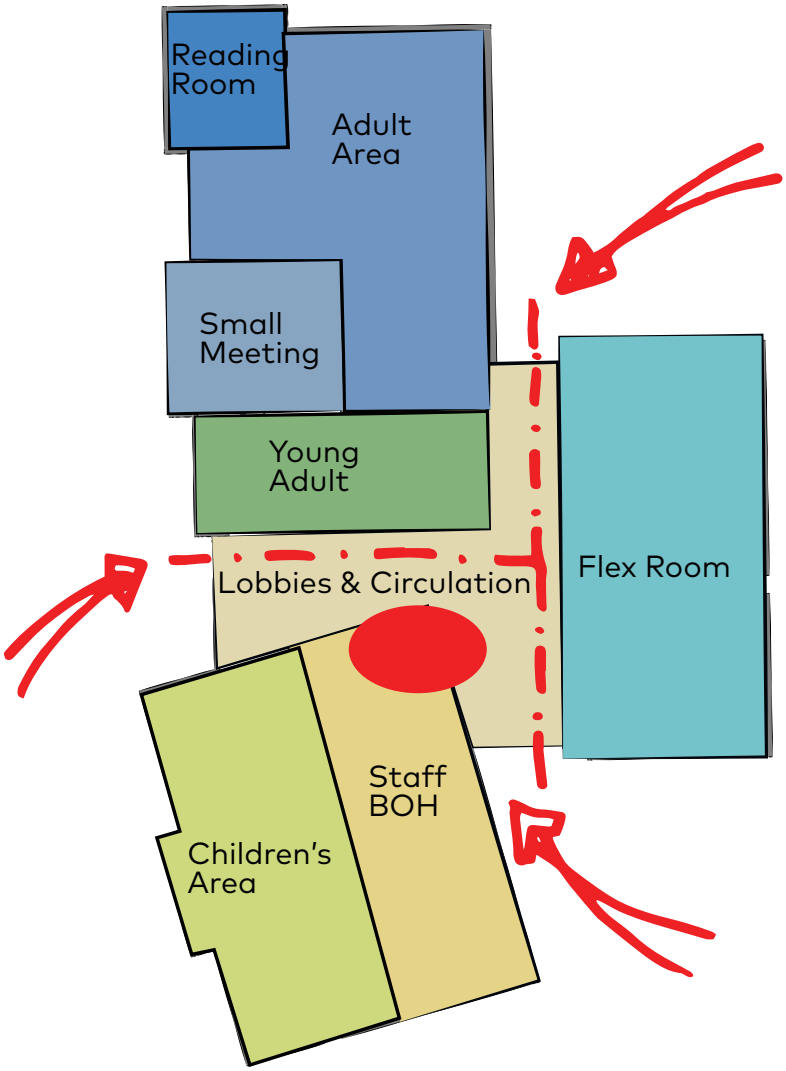

Reading Room
Adult Area
Small Meeting
Young Adult
Flex Room
Kitchen
Restrooms
Children's Area
Staff BOH



Mechanical



Plumbing



PROS:

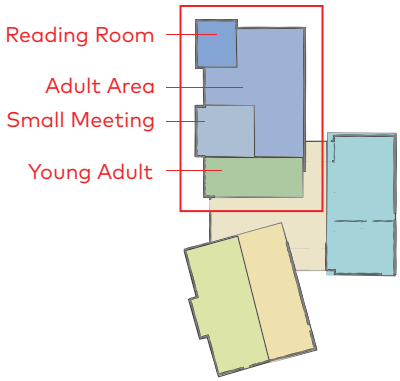
- SE entrance and pedestrian focused
- Parking layout
- Southeast entrance
- Back gathering area
- Solar exposure
- Interaction with edge
- Outdoor gathering area
- Reading room in the trees
- Sightlines improvements
- Programming / nature
- Restrooms central

CONS ADDRESSED

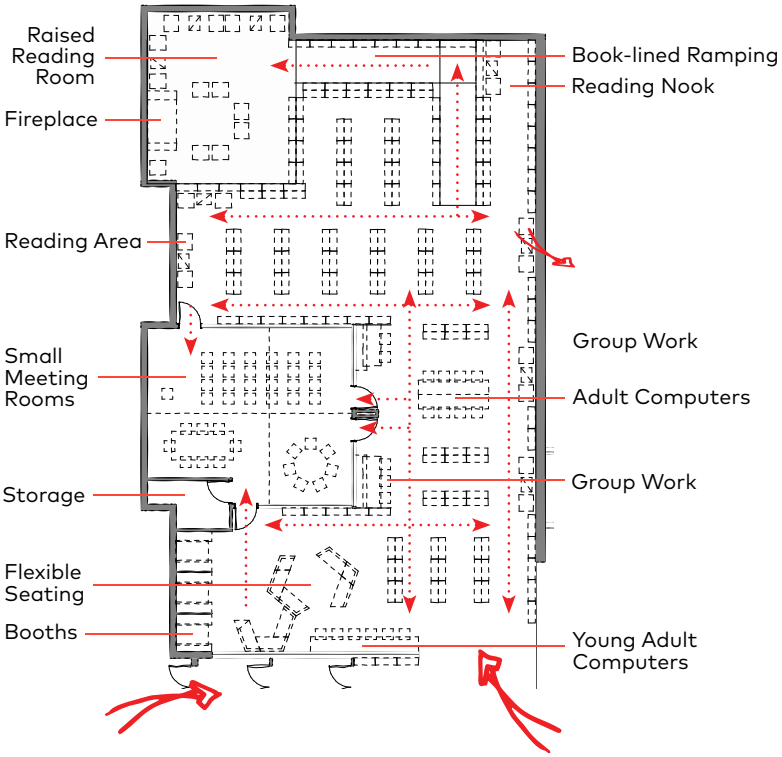
- Circulation sightlines
- More condensed
- Reduction of Exterior exposure
- Entry Sightlines

PRELIMINARY DESIGN

CONCEPT 02
ADULT & YOUNG ADULT

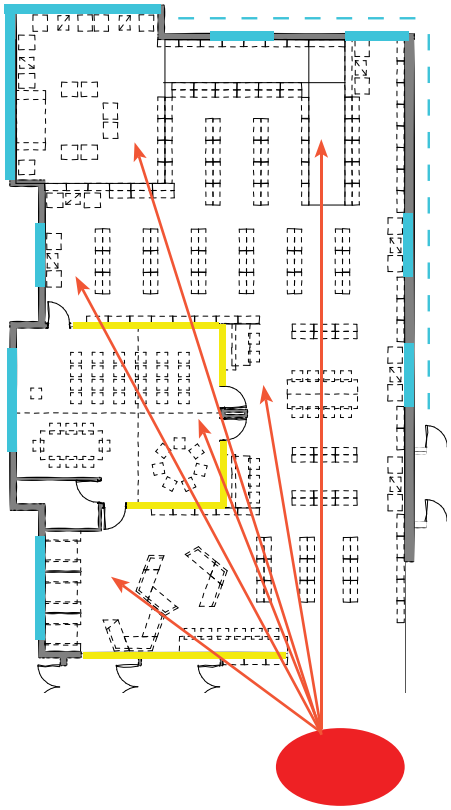


OVERALL PLAN



CIRCULATION

GLAZING & SIGHTLINES



LEGEND

View

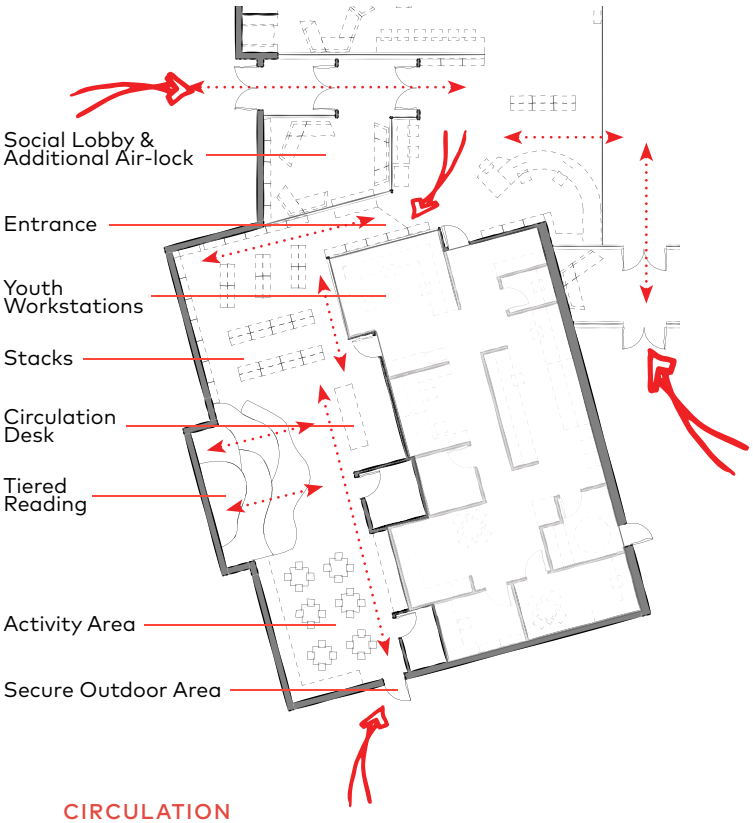
Clerestory

Interior Glazing

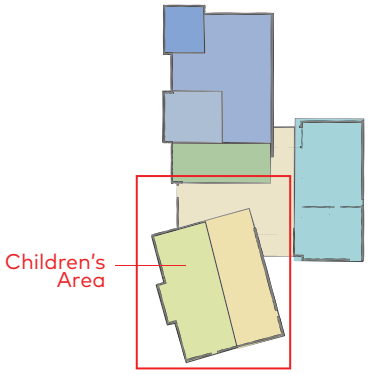
Circulation Route

Staff Sightlines

CONCEPT 02
CHILDREN'S AREA

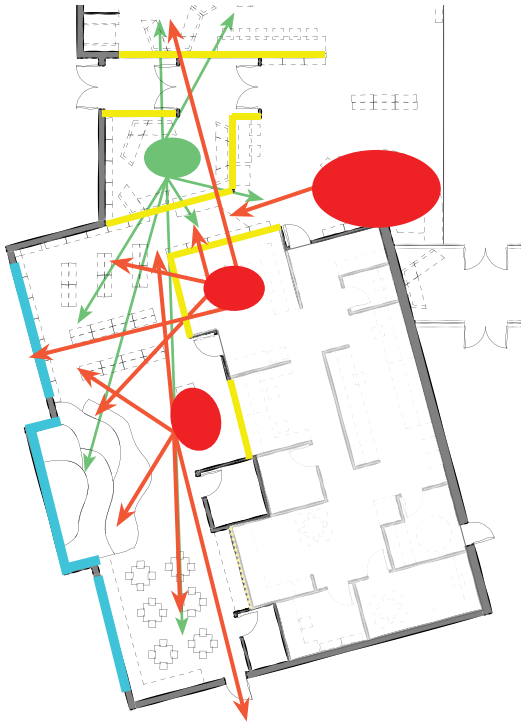


CIRCULATION



OVERALL PLAN

GLAZING &
SIGHTLINES

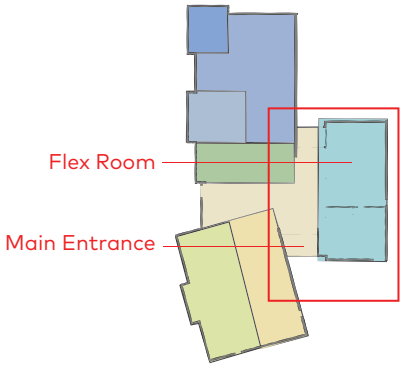


LEGEND

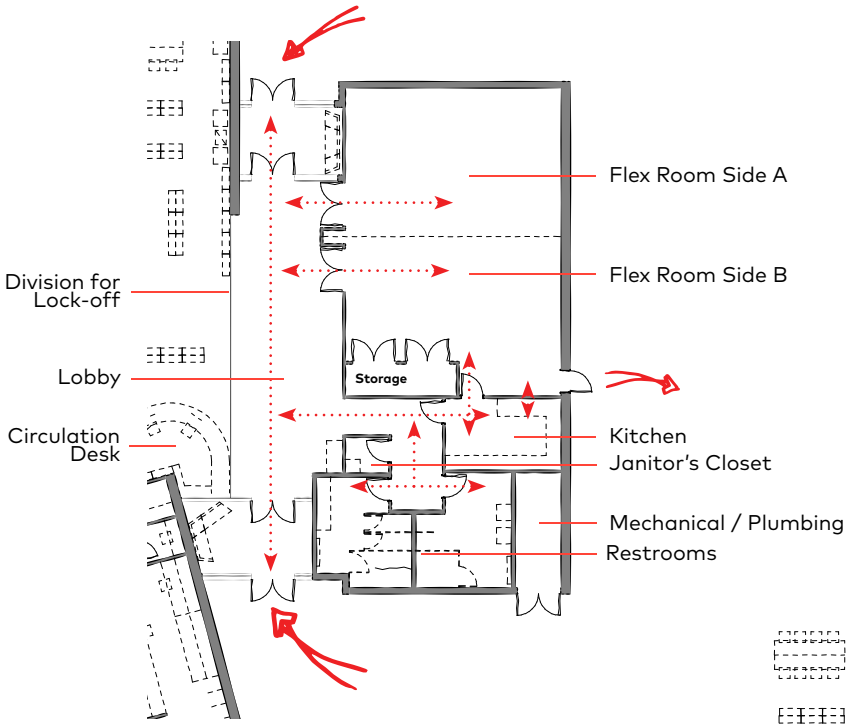
- View
- Clerestory
- Interior Glazing
- Circulation Route
- Parent Sightlines
- Staff Sightlines

PRELIMINARY DESIGN

CONCEPT 02
FLEX ROOM / MAIN ENTRANCE

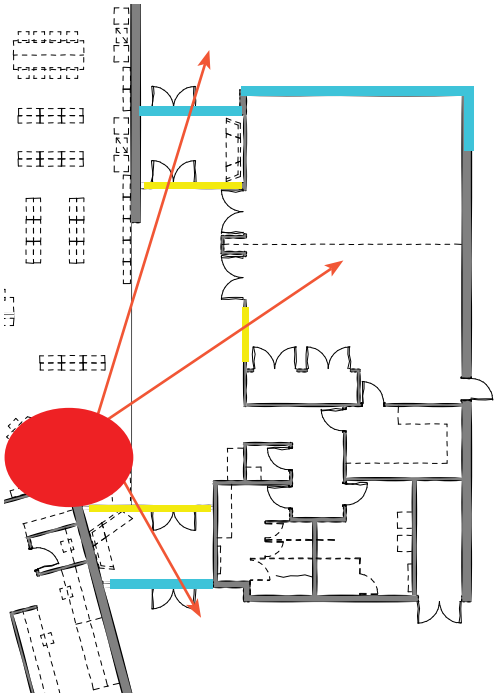


OVERALL PLAN



CIRCULATION

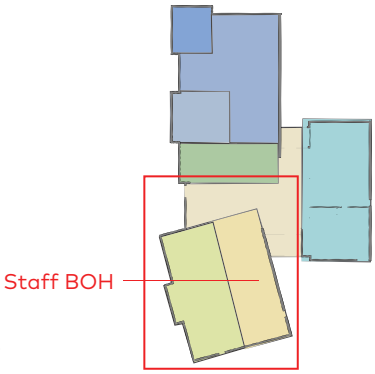
GLAZING & STAFF SIGHTLINES



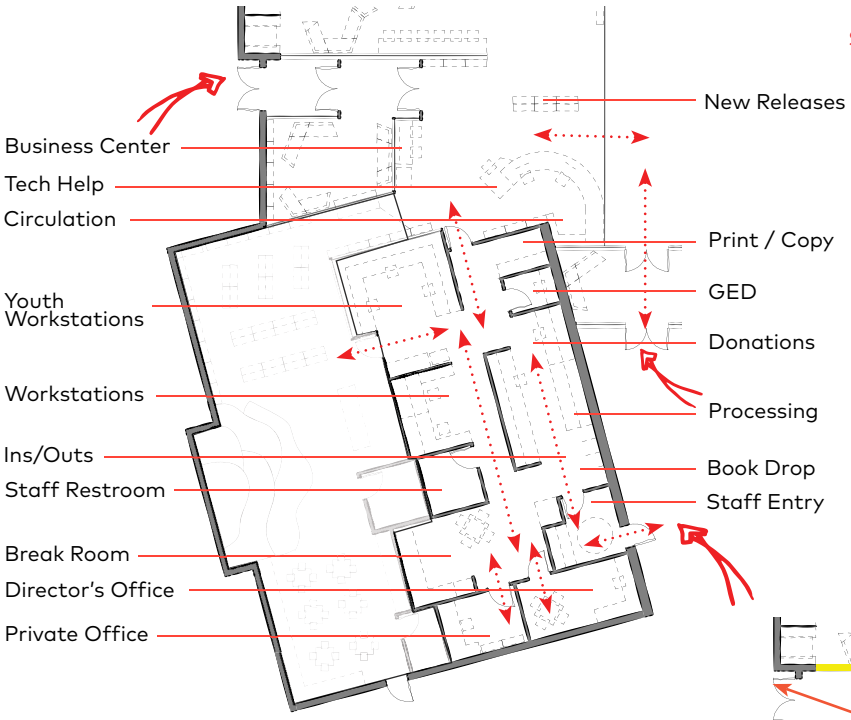
LEGEND

- View
- Clerestory
- Interior Glazing
- Circulation Route
- Parent Sightlines
- Staff Sightlines

CONCEPT 02
STAFF BACK-OF-HOUSE

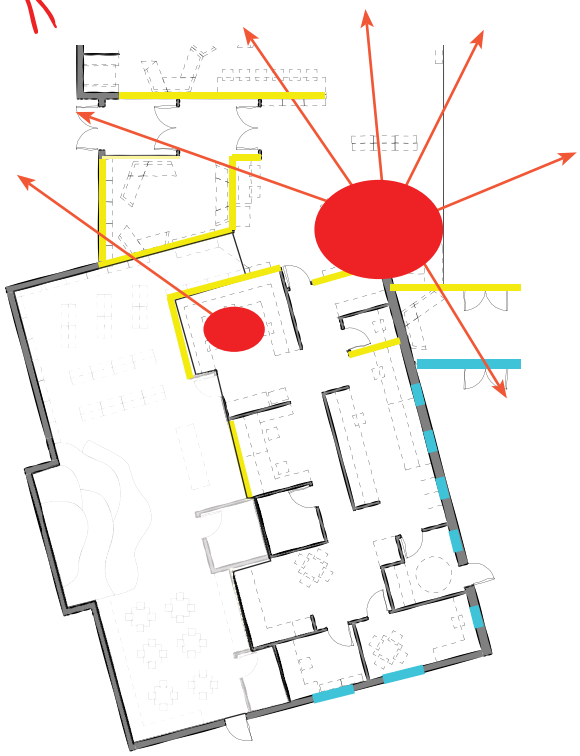


OVERALL PLAN



CIRCULATION

GLAZING & SIGHTLINES



LEGEND

View

Clerestory

Interior Glazing

Circulation Route

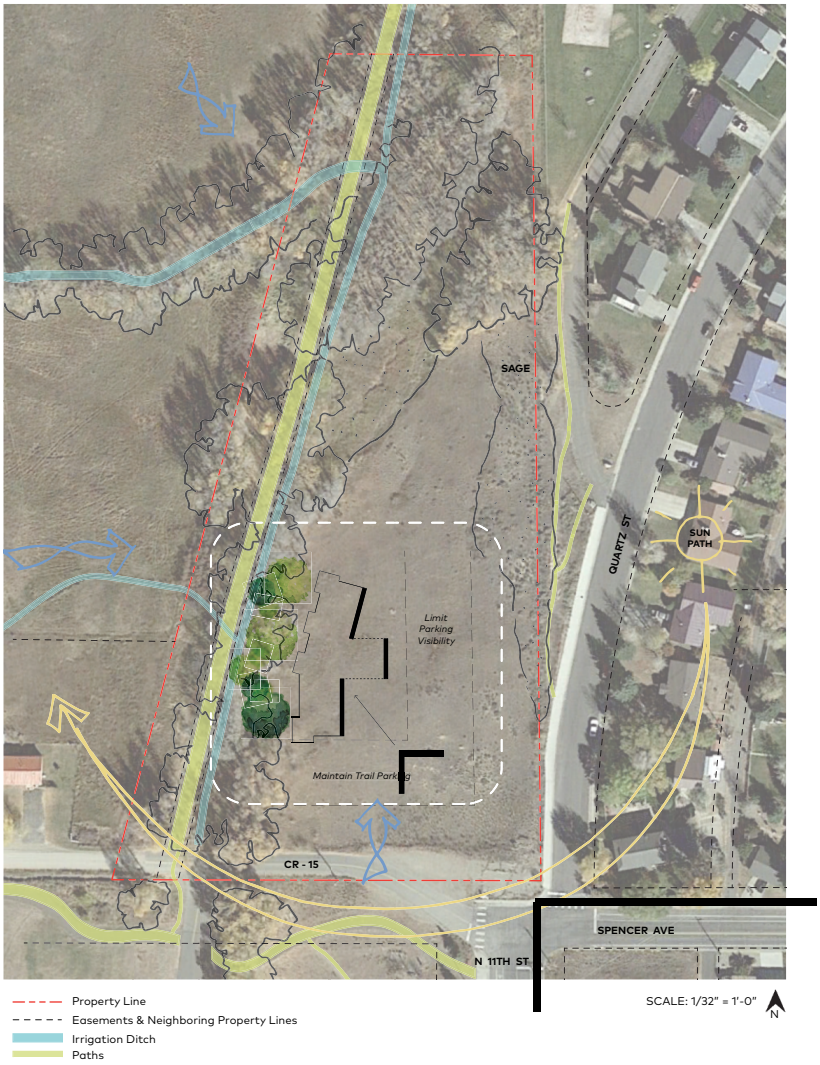
Staff Sightlines

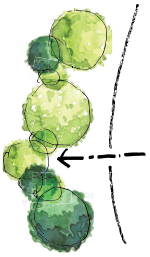
PRELIMINARY DESIGN

Preliminary Design

The preferred alternative was presented to the Gunnison County Library Board of Directors for review and feedback. Concept 02 was selected as the path forward as it addressed the concerns of exterior walls, cohesiveness, and sightlines identified in Concept 01.

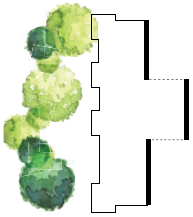
The Preliminary Design footprint and layout was then furthered developed by addressing the concerns brought by the board, exploring the identified opportunities, and reacting further to the site characteristics and design layout.





PARTI

Threshold between built and natural

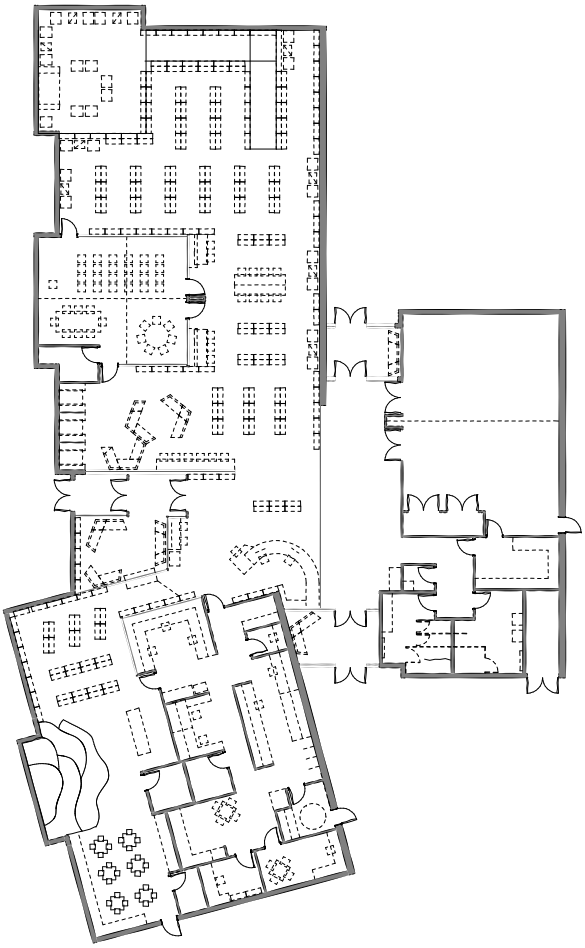


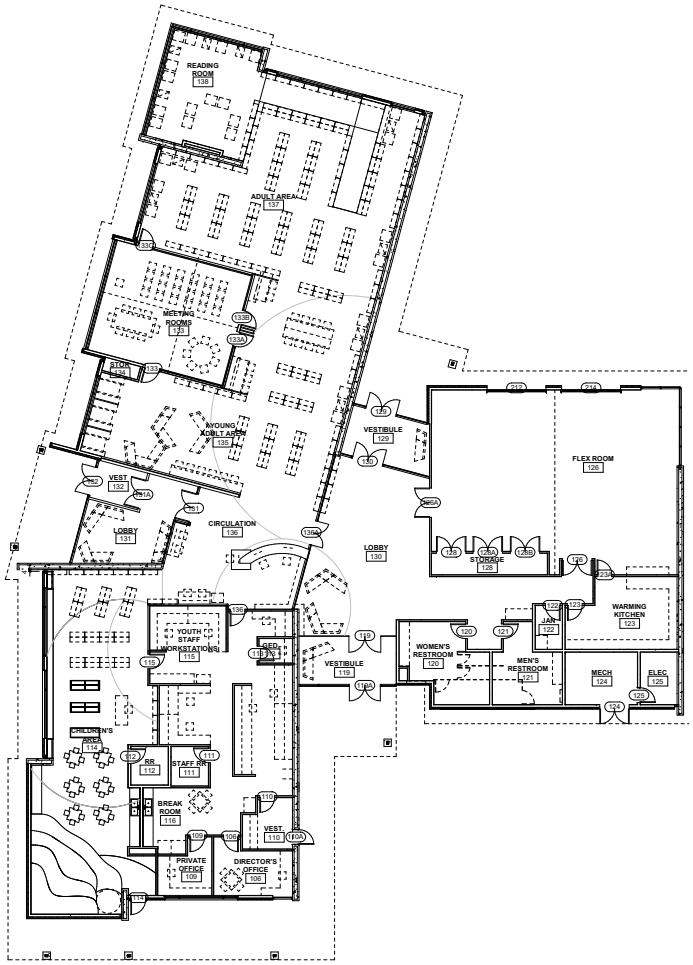
Building's Reaction to PARTI

Engaging Edge
Pulling apart for entry

Building's Reaction to SITE

Rotation
Bringing the corner of town into the Library





Concept 02

PROS:

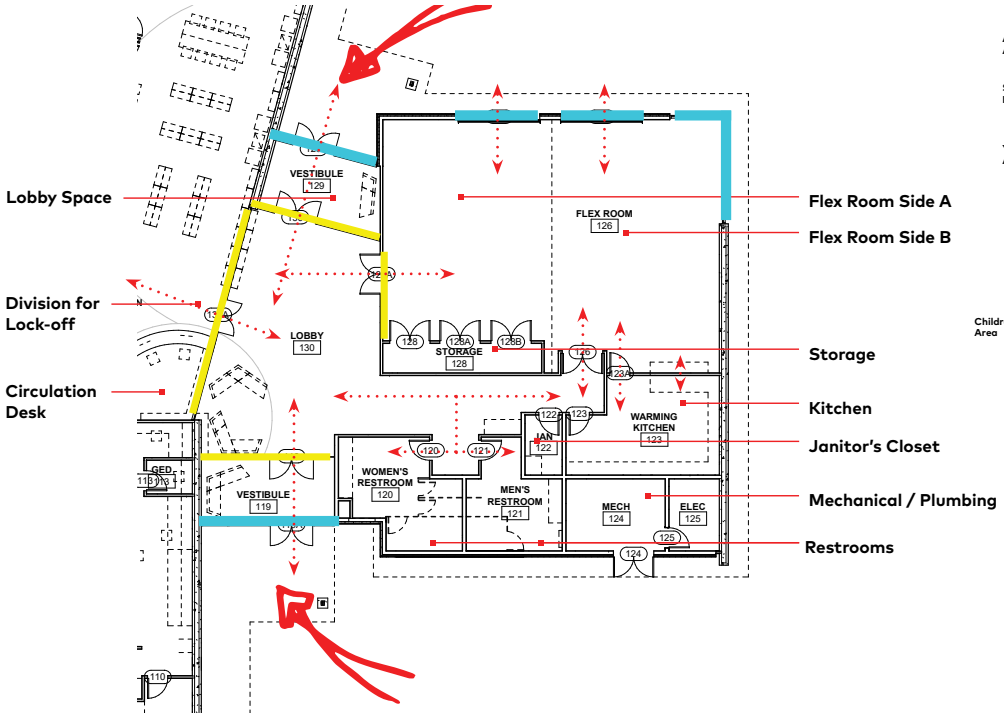
- Overall Layout
- Circulation Desk sightlines
- Playfulness of Children's Area
- Small Meeting room access and layout

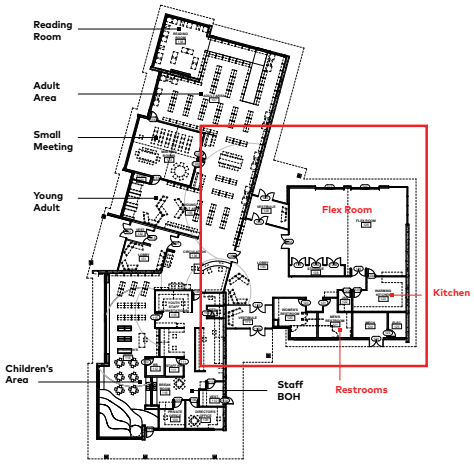
CONS:

- Dividing location for the Flex room
- Constriction of the Main Entrance
- Restrictions of flexibility in Children's Area

Preliminary Design

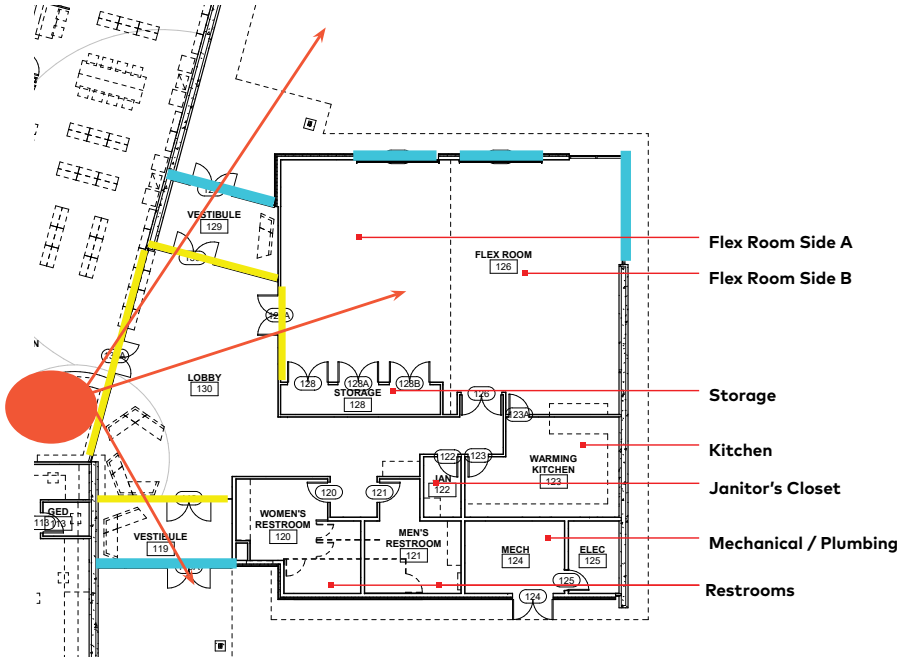
CONCEPT 02
FLEX ROOM / MAIN ENTRANCE



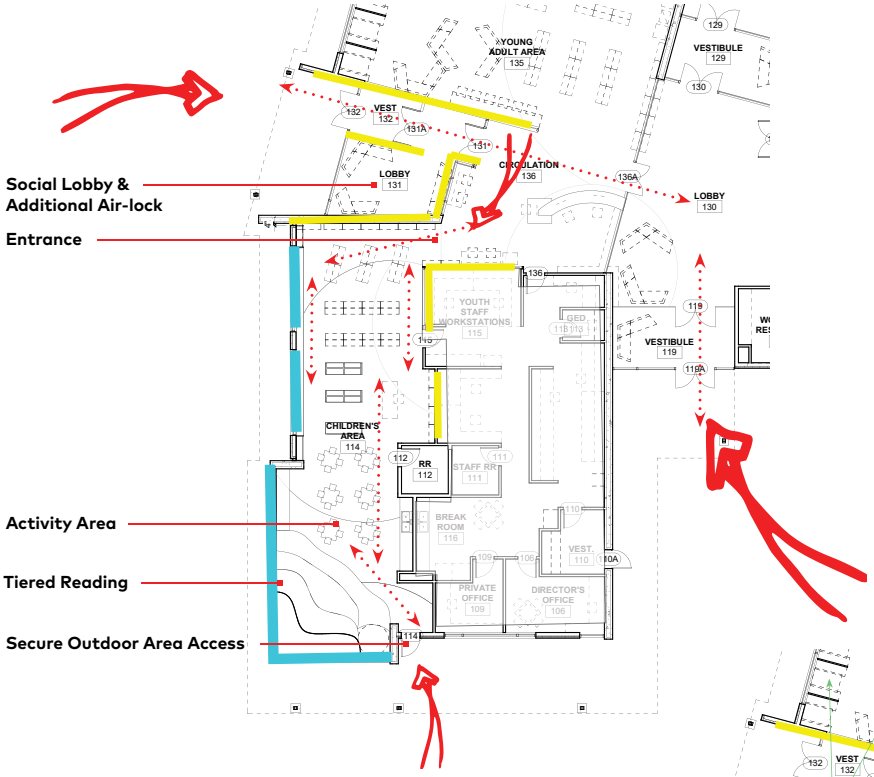


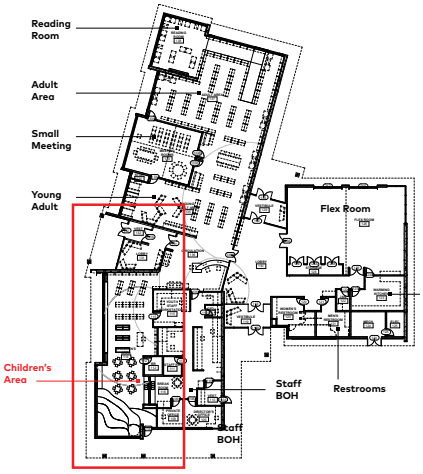
Glazing Legend

- View
- Clerestory
- Interior Glazing
- Staff Sightlines
- Sightlines



CONCEPT 02
CHILDREN'S AREA





Glazing Legend

- View
- Clerestory
- Interior Glazing
- Staff Sightlines
- Sightlines

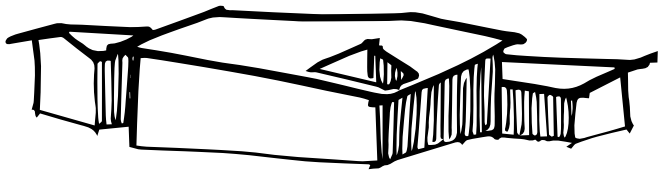
PRELIMINARY DESIGN

Massing

The building massing for the preferred alternative's layout and site orientation focused on light and snow. Exploring the ability of the building to let natural light into areas through different techniques with glazing and roof forms, capturing primary views, and snow management, created a series of massings. The different iterations explore diverse volumes, orientations, roof slopes, and light and snow strategies.

Following are sketches of the first two massing studies evaluating the opprotunities and constraits of a more organic planar roof form and a more regimented split roof form.

After exploring hand sketching, the massings were taking into the computer to explore different iterations by altering minor elements for composition, scale, and proportion. An example of an iteration sequence for one of the massing studies follows the hand sketches.



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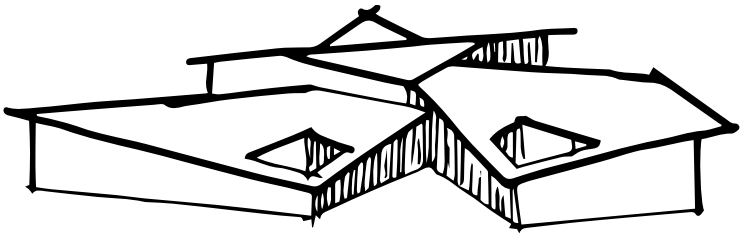

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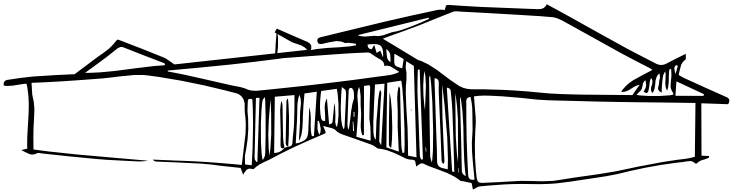

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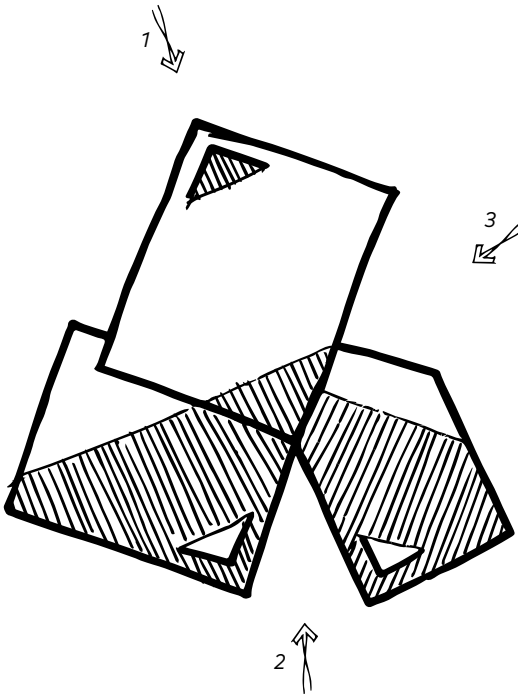
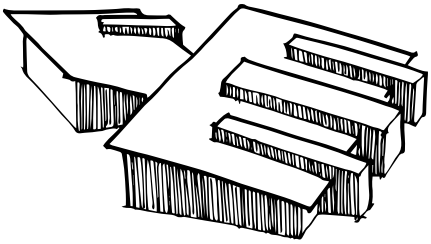


ORGANIC



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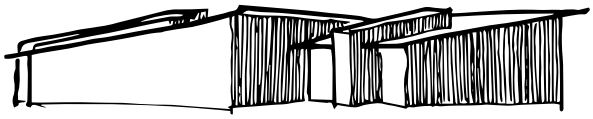

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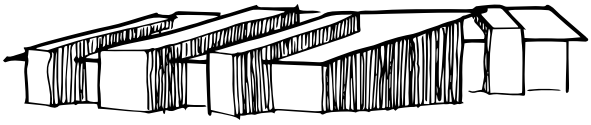

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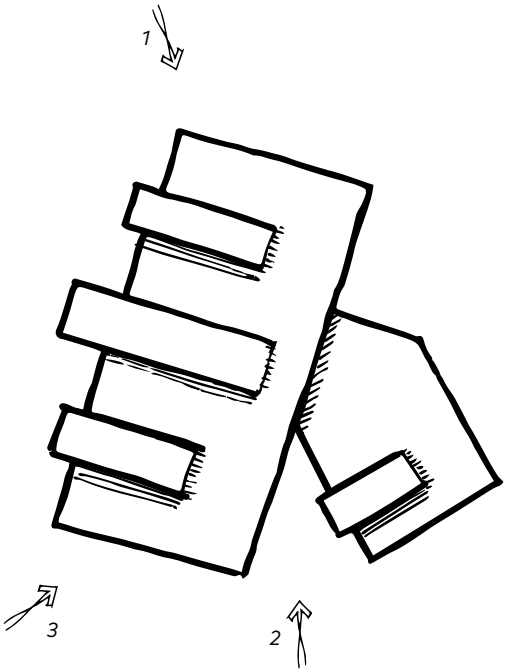
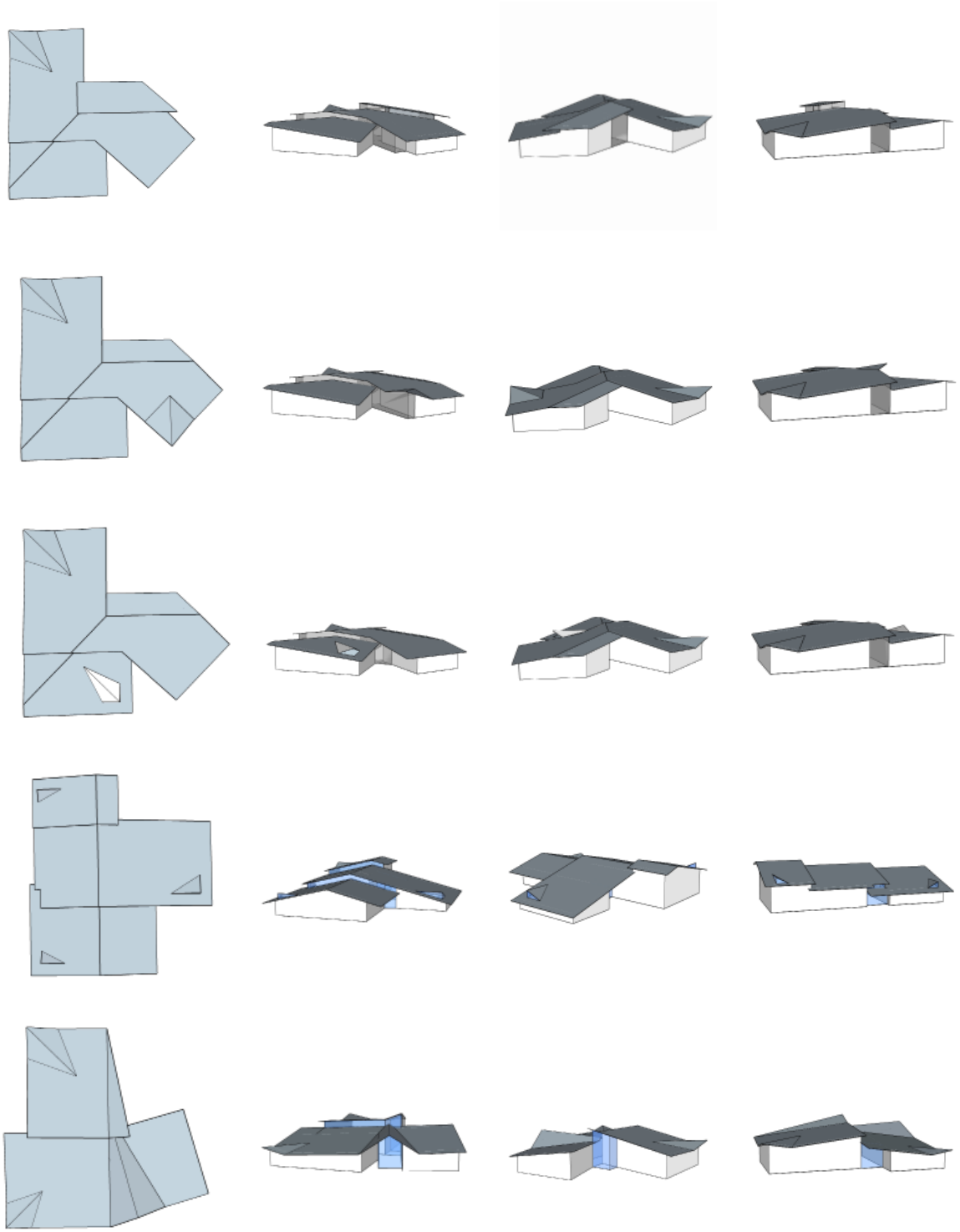


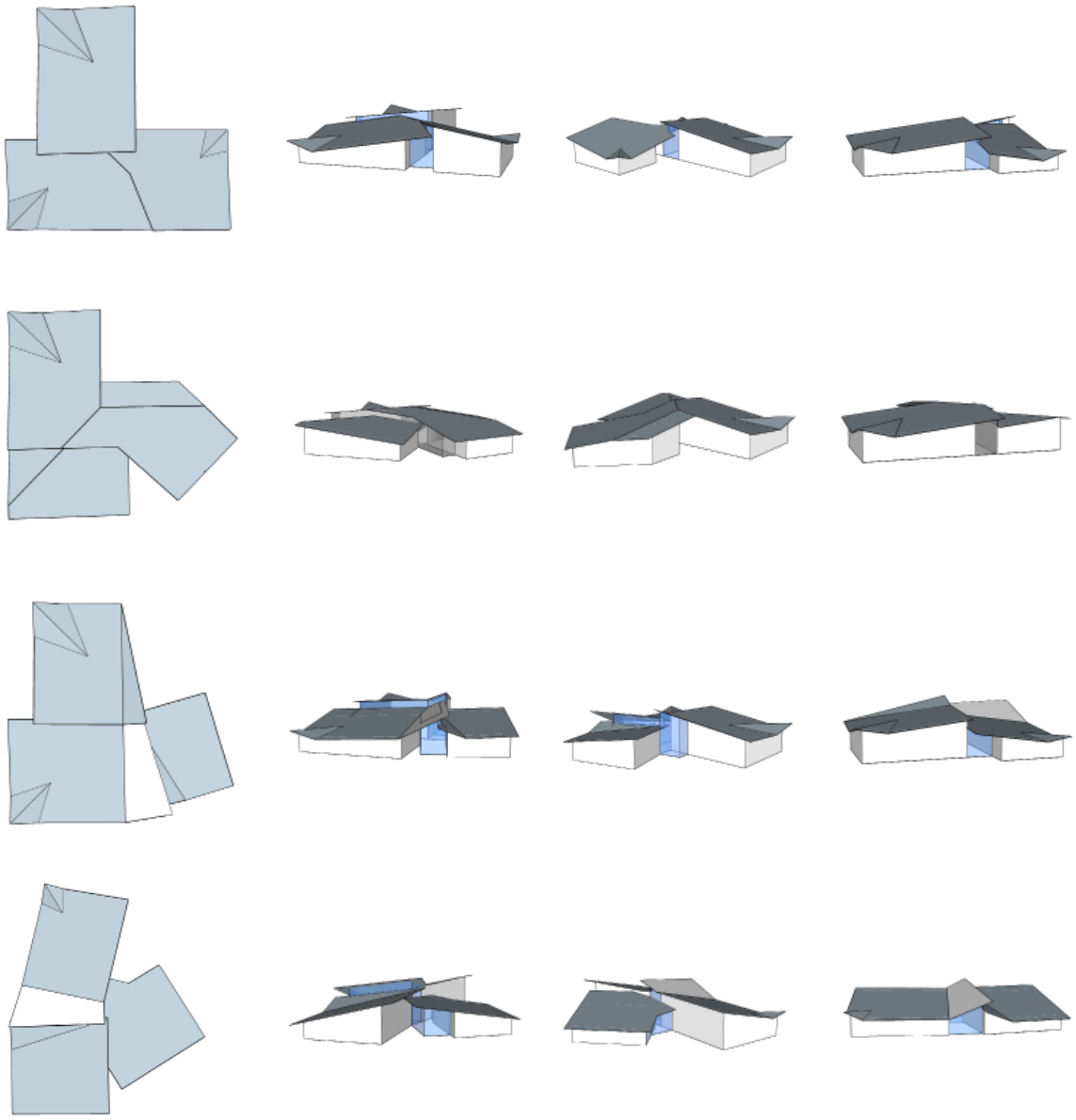
REGIMENTED

ITERATIONS



ROOF PLAN | MAIN ENTRY | NORTH ENTRY | WEST ENTRY

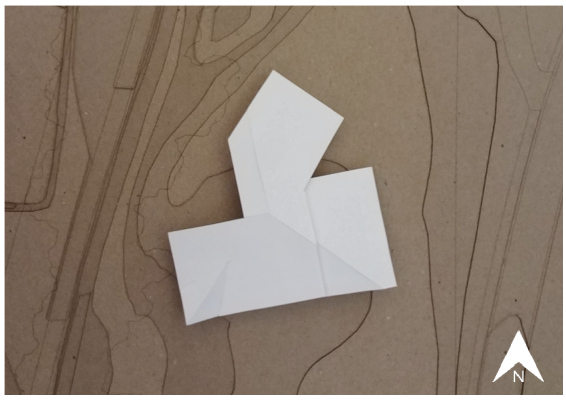
ITERATIONS



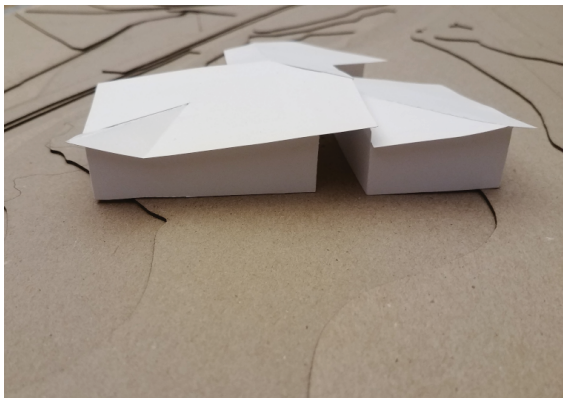
ROOF PLAN | MAIN ENTRY | NORTH ENTRY | WEST ENTRY

Modeling

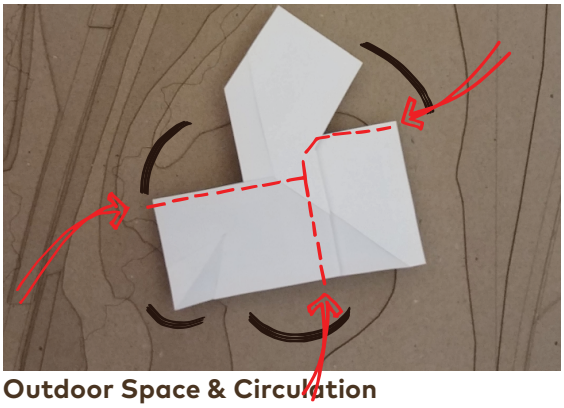
Following the computer modeling, hand paper models were created to evaluate form, sunpaths, snow shedding, views and light, as well as main circulation paths and how each of those elements were working together to identify opportunities and constraints.



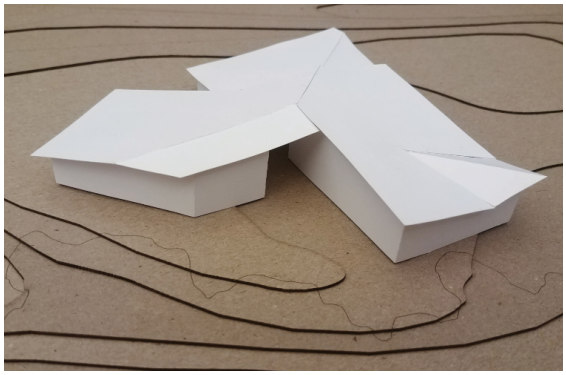
Roof Plan



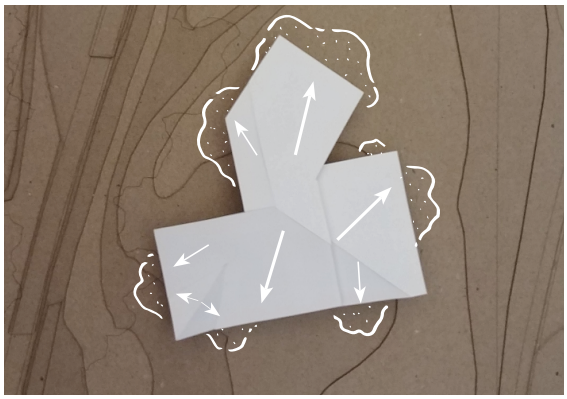
Main Entry



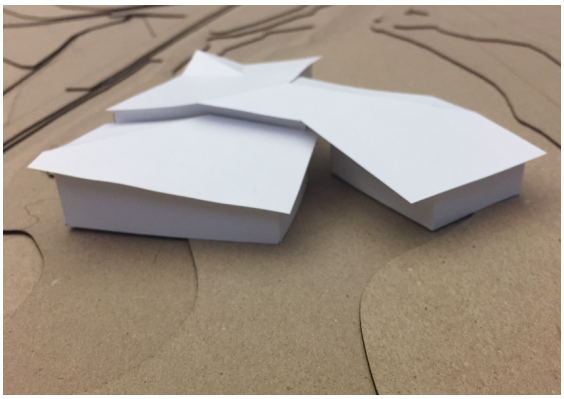
Outdoor Space & Circulation



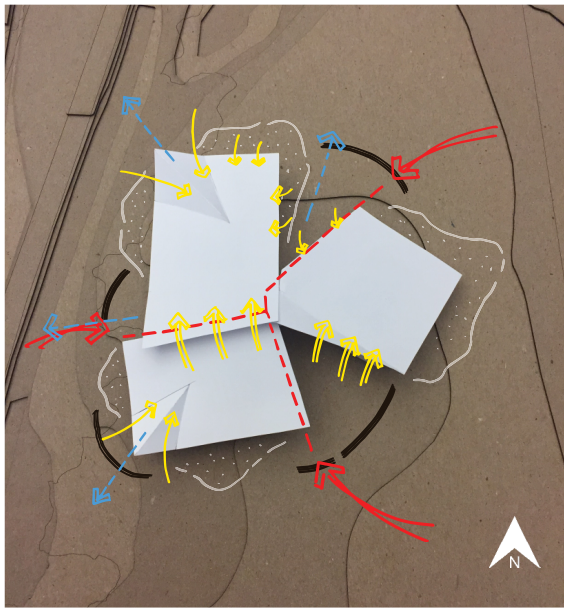
West Entry



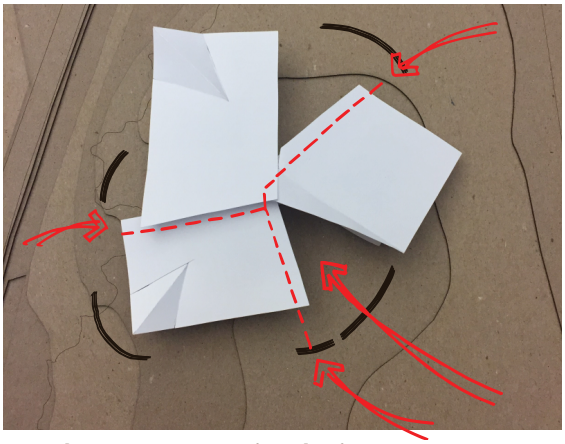
Snow Shed



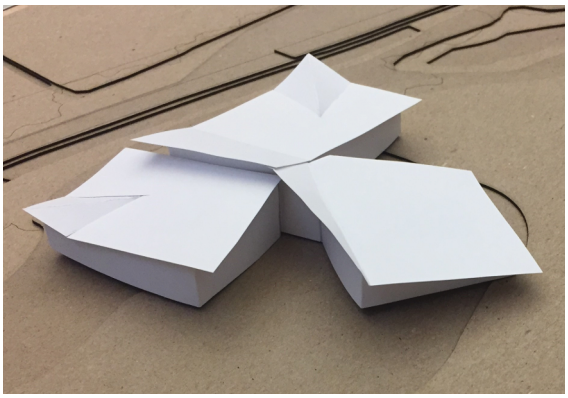
North Entry



Roof Plan



Outdoor Space & Circulation



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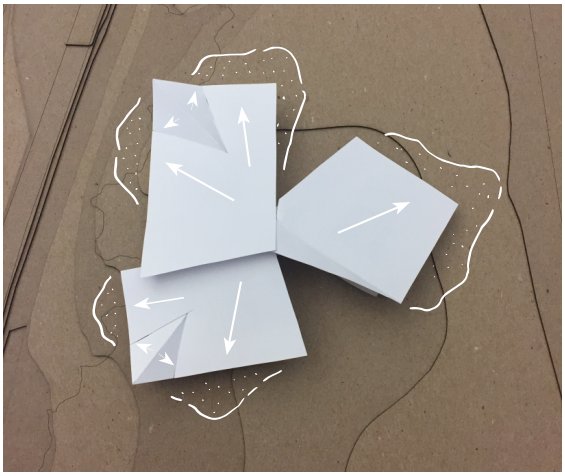
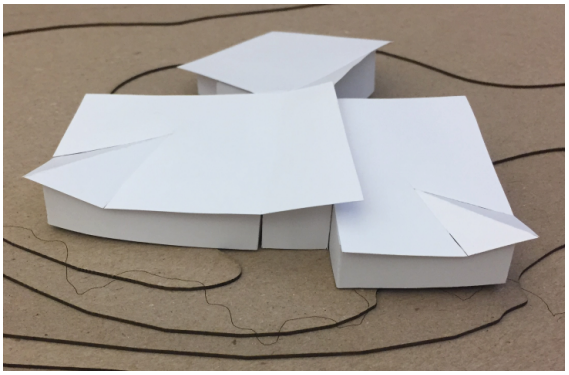


Snow Shed



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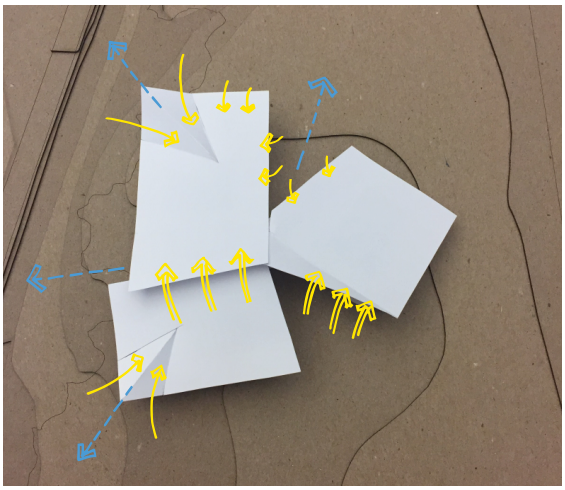


View & Light Diagrams

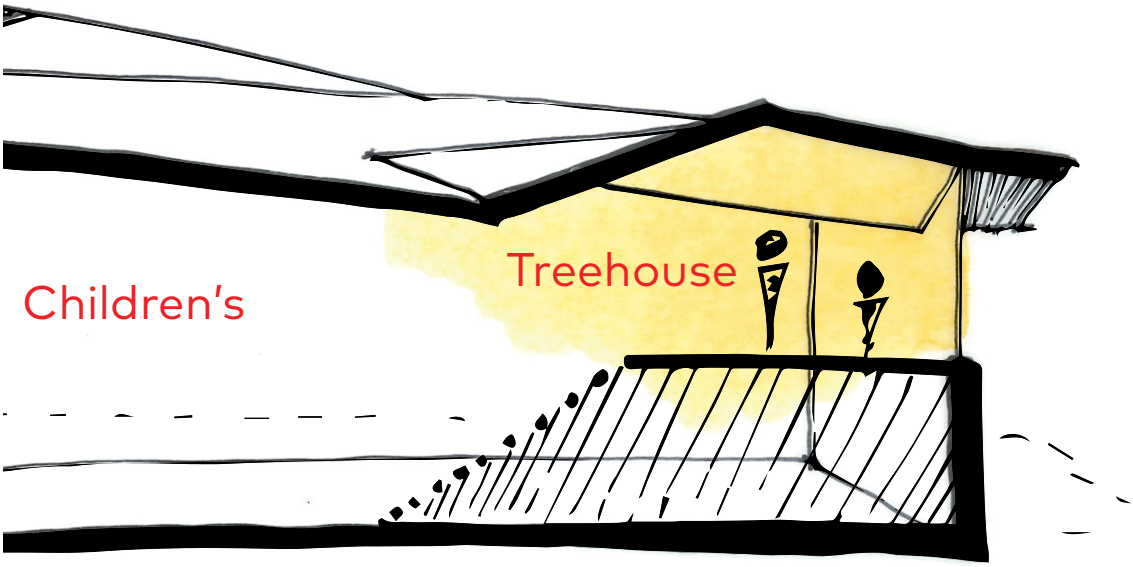
SNOW:

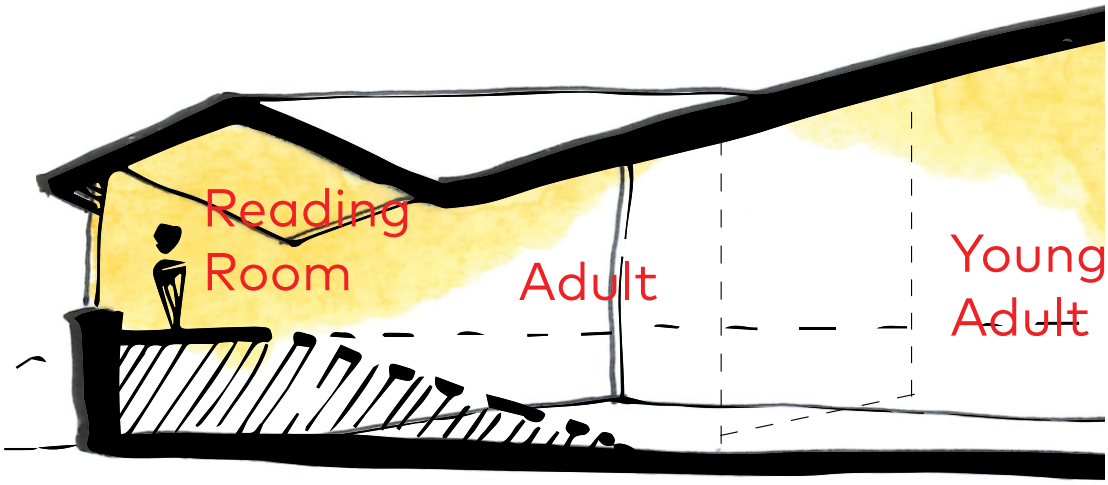
- Protected entries & circulation
- Outdoor areas protected from majority of snow
- Landscaping & drainage for southern exposure snow areas
- Easy paths for snow removal & relocation

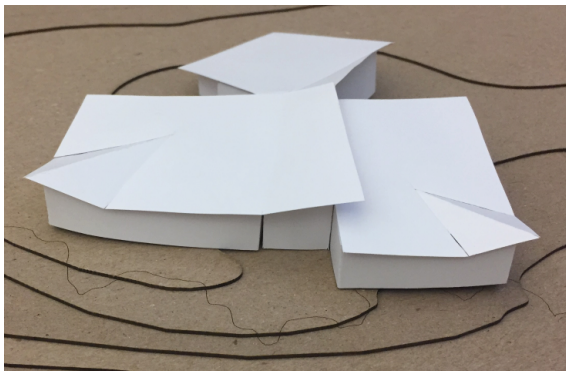
LIGHT:

- Soft northern light
- Southern clerestory
- Opening views & driving light inward

Sectional Diagrams







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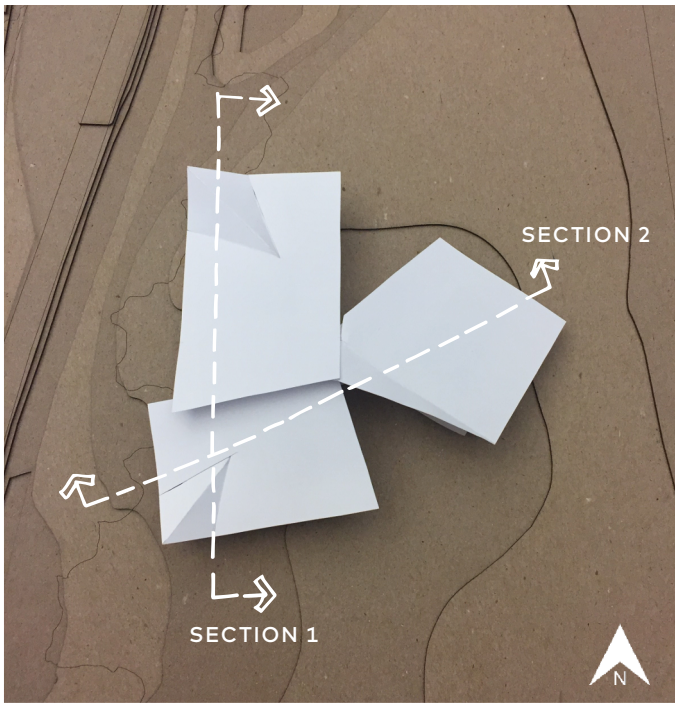
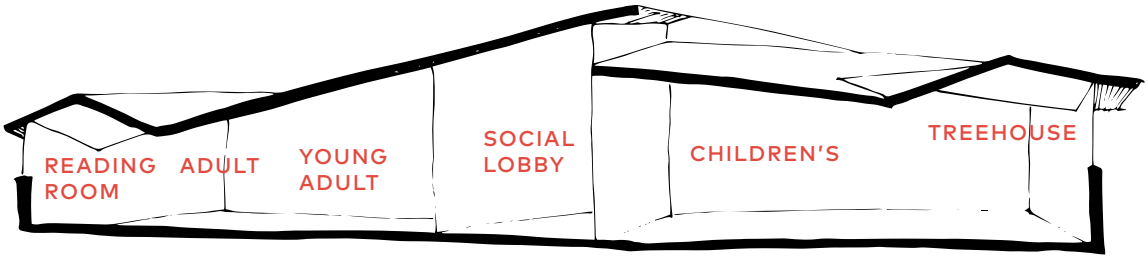


FACADE

- Ramping up to the corners for floor-to-ceiling experience while having protected surfaces near the ground for snow drift
- Glazing placement for light, view, and facade protection
- Durable finishes for snow adjacency



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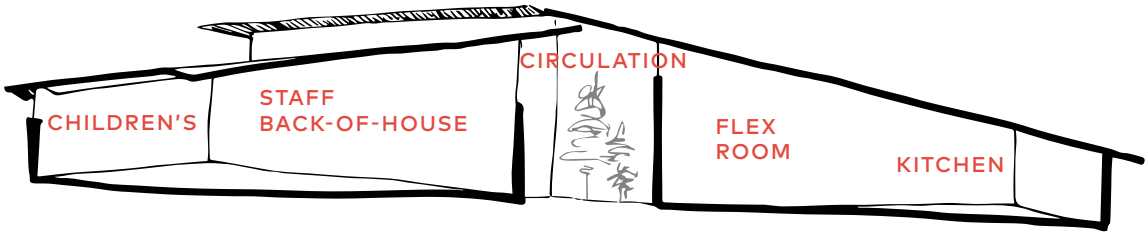
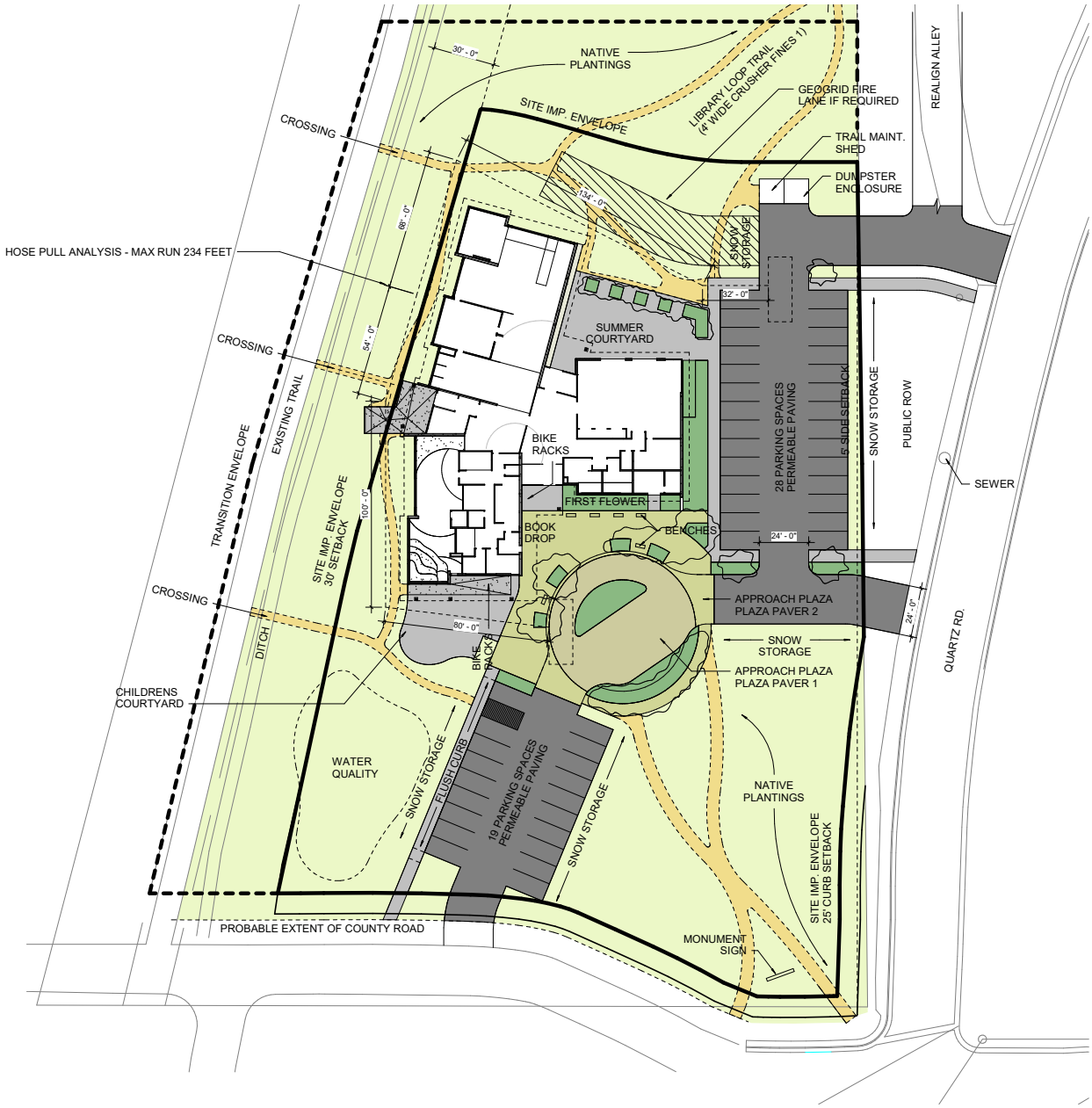
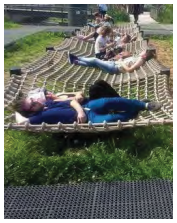


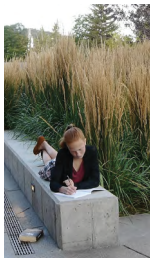
SECTION 2

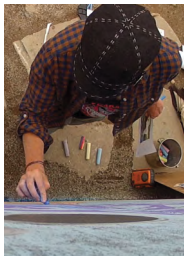
SECTIONAL DIAGRAMS

Preliminary Site Design



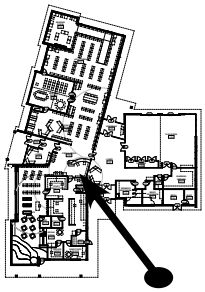




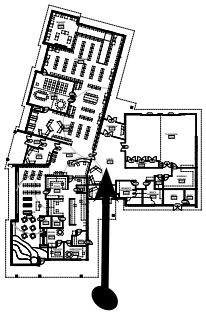


PRELIMINARY SITE DESIGN

Preliminary Imaging



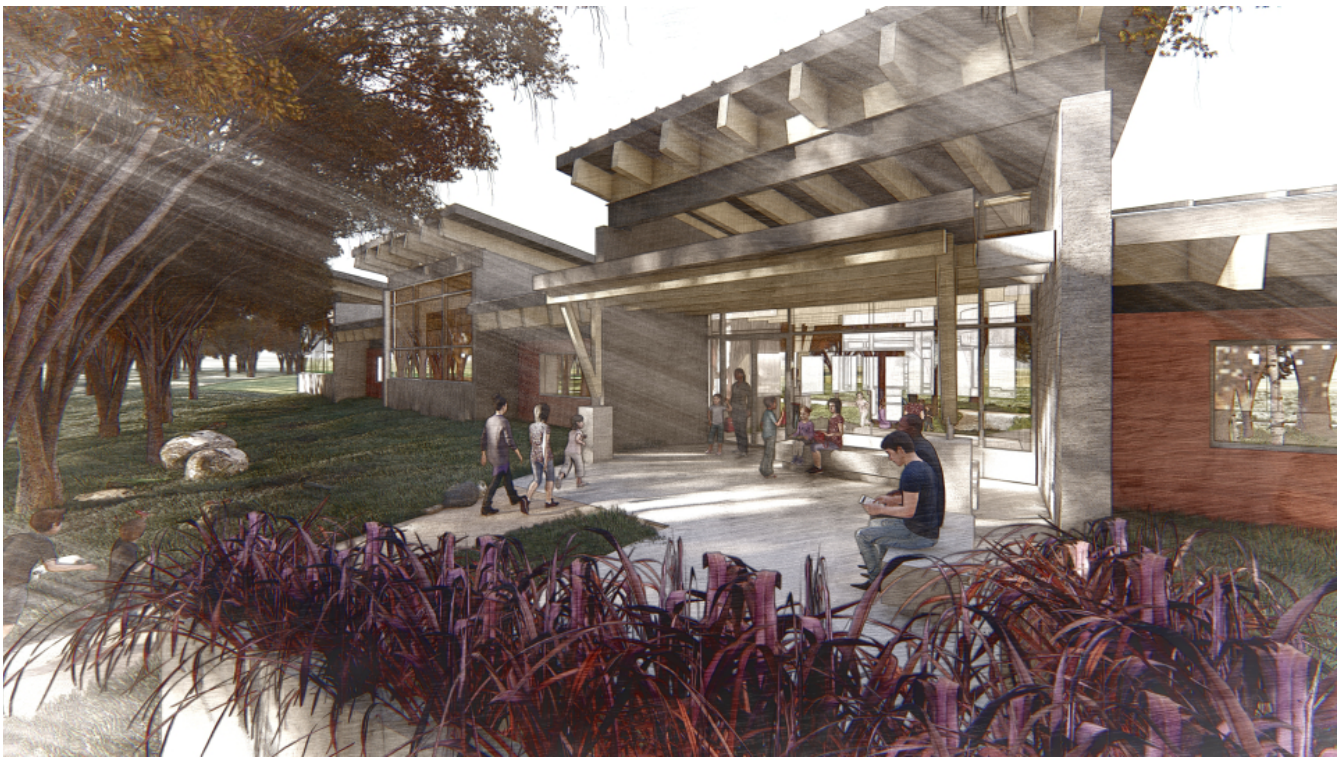
VIEWS
Entrance

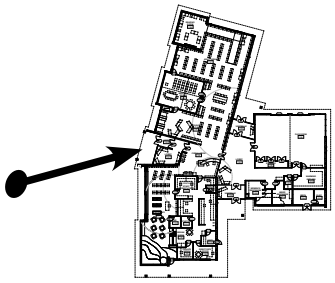


VIEWS
Main Entrance

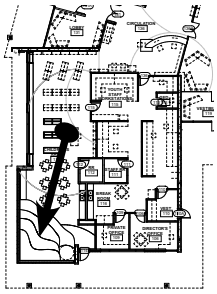
PRELIMINARY IMAGING

Preliminary Imaging





VIEWS
Trail Entrance



VIEWS
Children's Area

PRELIMINARY IMAGING

GUNNISON COUNTY LIBRARY

PRELIMINARY DESIGN

NOVEMBER 1ST, 2019

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COVER SHEET

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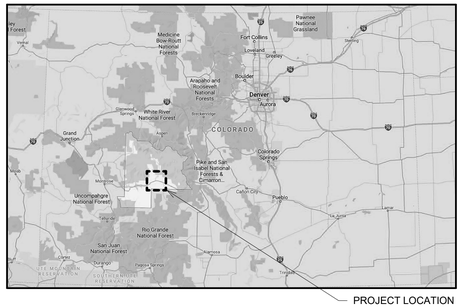
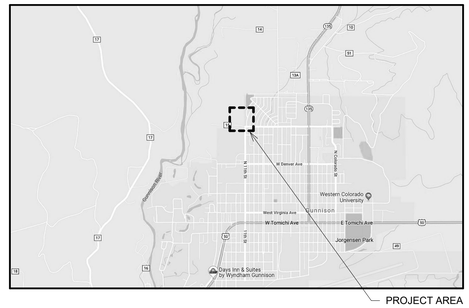


VICINITY MAP

NTS

N



LOCATION MAP

NTS

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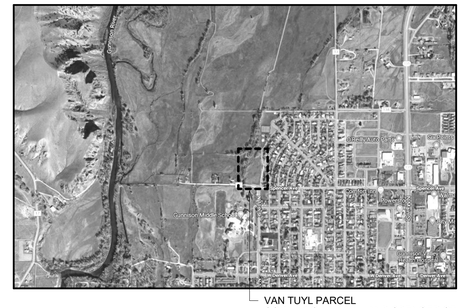

AREA MAP

NTS

N

WALL TYPES

TYPE #	GRAPHIC REPRESENTATION	FIRE RATING
1.	4 7/8" — 5/8" GWB; 3 5/8" METAL STUDS AT 16" OC; FULL DEPTH BATT INSULATION, R-13; 5/8" GWB	NA

ABBREVIATIONS

#	POUND(S) or NUMBER	EXT	EXTERIOR	OD	OUTSIDE DIAMETER
&	AND	FACP	FIRE ALARM CONTROL PANEL	OH	OPPOSITE HAND
<	ANGLE	FD	FLOOR DRAIN	OPNG	OPENING
@	AT	FE	FIRE EXTINGUISHER	OPP	OPPOSITE
A/V	AUDIO VISUAL	FEC	FIRE EXTINGUISHER CABINET	OSB	ORIENTED STRAND BOARD
ABV	ABOVE	FIN	FINISH(ED)	PLAM	PLASTIC LAMINATE
ACM	ASBESTOS CONTAINING MATERIAL	FIXT	FIXTURE	PLAS	PLASTER
ACT	ACCOUSTICAL CEILING TILE	FLR	FLOOR(ING)	PLUMB	PLUMBING
ADA	AMERICANS WITH DISABILITIES ACT	FO	FACE OF	PT	PAINT
ADD	ADDENDUM	FP	FIRE PROTECTION	PTD	PAINTED
ADJ	ADJACENT or ADJUSTABLE	FRP	FIBERGLASS REINFORCED PANEL(ING)	PWD	PLYWOOD
AFF	ABOVE FINISHED FLOOR	FT	FEET	QT	QUARRY TILE
AHU	AIR HANDLING UNIT	FTG	FOOTING	RAD	RADIUS
AL	ALUMINUM	FURR	FURRING	RB	RUBBER BASE
ALT	ALTERNATE	GA	GAUGE OR GYPSUM ASSOCIATION	RCP	REFLECTED CEILING PLAN
APPROX	APPROXIMATE(LY)	GALV	GLAVANIZED	RD	ROOF DRAIN
ARCH	ARCHITECTURAL	GC	GENERAL CONTRACTOR	REF	REFER TO or REFERENCE
ASPH	ASPHALT	GD	GRADE	REINF	REINFORCED
B.O.	BOTTOM OF	GL	GLASS or GLAZING	RELOC	RELOCATE(D)
BLDG	BUILDING	GND	GROUND	REQ	REQUIRED
BLKG	BLOCKING	GWB	GYPSUM WALLBOARD	REV	REVISE, REVISED or REVISION
BR	BACKER ROD	HM	HOLLOW METAL	RM	ROOM
BTWN	BETWEEN	HAZMAT	HAZARDOUS MATERIAL	RO	ROUGH OPENING
CAB	CABINET	HDR	HEADER	RS	ROUGH SAWN
CJ	CONTROL JOINT	HDW	HARDWARE	(S)	SEALANT
CL	CENTERLINE	HORIZ	HORIZONTAL	S	SOUTH
CLG	CEILING	HT	HEIGHT	SCHED	SCHEDULE
CLR	CLEAR	HVAC	HEATING, VENTILATION and AIR CONDITIONING	SF	SQUARE FEET
CMU	CONCRETE MASONRY UNIT			SHTG	SHEATHING
COL	COLUMN	IBC	INTERNATIONAL BUILDING CODE	SIM	SIMILAR
CONC	CONCRETE	ID	INSIDE DIAMETER	SOG	SLAB ON GRADE
CONST	CONSTRUCTION	INFO	INFORMATION	SPEC	SPECIFICATION(S)
CONT	CONTINUOUS	INS	INSULATION or INSULATED	SQ	SQUARE
CORR	CORRIDOR	INT	INTERIOR	SS	STAINLESS STEEL
CPT	CARPET	JT	JOINT	STD	STANDARD
CT	CERAMIC TILE	LAV	LAVATORY	STL	STEEL
CTBB	CEMENTITIOUS TILE BACKER BOARD	LIN	LINOLEUM	STN	STAIN
CTR	CENTER	MATL	MATERIAL	STRUC	STRUCTURE or STRUCTURAL
DBL	DOUBLE	MAX	MAXIMUM	(T)	TEMPERED
DEMO	DEMOLITION	MECH	MECHANICAL	T&G	TONGUE AND GROOVE
DET	DETAIL	MEP	MECHANICAL, ELECTRICAL and PLUMBING	T.O.	TOP OF
DF	DRINKING FOUNTAIN			TD	THRESHOLD
DIAM	DIAMETER	MFG	MANUFACTURING	TYP	TYPICAL
DIM	DIMENSION	MFR	MANUFACTURER	UON	UNLESS OTHERWISE NOTED
DN	DOWN	MIN	MINIMUM	VB	VAPOR BARRIER
DS	DOWNSPOUT	MISC	MISCELLANEOUS	VCT	VINYL COMPOSITION TILE
<E>	EXISTING	MO	MASONRY OPENING	VERT	VERTICAL
E	EAST	MTD	MOUNTED	VIF	VERIFY IN FIELD
EA	EACH	MTL	METAL	VIN	VINYL
EG	FOR EXAMPLE	<N>	NEW	VTR	VENT THROUGH ROOF
ELEC	ELECTRICAL	N	NORTH	W	WEST
ELEV	ELEVATION	NA	NOT APPLICABLE	W/	WITH
EMER	EMERGENCY	NIC	NOT IN CONTRACT	W/O	WITHOUT
ENGR	ENGINEER	NO.	NUMBER	WD	WOOD
EQ	EQUAL	NOM	NOMINAL	WIN	WINDOW
EQP	EQUIPMENT	NTS	NOT TO SCALE		
ETR	EXISTING TO REMAIN	OC	ON CENTER		

GENERAL NOTES

1. DO NOT SCALE DRAWINGS
2. ALL WORK TO BE PERFORMED TO APPLICABLE BUILDING CODES.
3. ALL DIMENSIONS ARE TO FACE OF STRUCTURE UNLESS OTHERWISE NOTED. ALL DIMENSIONS INDICATING REQUIRED CLEARANCES ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIM OR HERSELF WITH THE CONTRACT DOCUMENTS, VERIFYING FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCY WITHIN THE CONTRACT DOCUMENTS AND REQUEST CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION.
5. SHOULD THERE BE ANY QUESTIONS CONCERNING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK, OR RELATED WORK IN QUESTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE PROJECT SCOPE OF WORK, SCHEDULE, AND DEADLINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVISING THE ARCHITECT OF ALL ITEMS REQUIRING A LONG LEAD TIME UPON NOTICE TO PROCEED THAT WILL AFFECT THE SCHEDULE, AND SHALL SUBMIT ORDER CONFIRMATIONS AND DELIVERY DATES FOR THE ITEMS IN QUESTION TO THE OWNER.
7. INSTALL ALL MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT. ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH TO THE OWNER ALL WARRANTIES AND GUARANTEES REQUIRED AT THE CONCLUSION OF THE PROJECT.
8. ALL CONTRACTOR OR SUPPLIER REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT WITHIN 14 DAYS OF NOTICE TO PROCEED, AND BE ACCOMPANIED WITH THE ALTERNATIVE PRODUCT INFORMATION. SUBSTITUTIONS WILL BE CONSIDERED ONLY IF IT DOES NOT SACRIFICE QUALITY, APPEARANCE, DELIVERY TIME, OR FUNCTION.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HOOK UPS / UTILITY CONNECTIONS, ETC. TO TEMPORARY TRAILERS.

INDEX

GENERAL

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G0.1	INDEX & GENERAL INFORMATION
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ARCHITECTURAL

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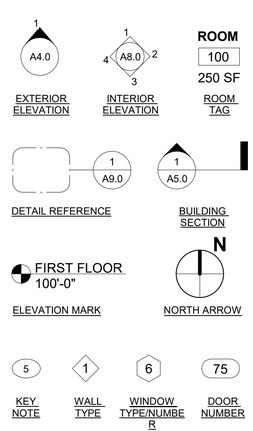
A1.1	ROOF PLAN
A2.0	OVERALL RCP
A4.0	EXTERIOR ELEVATIONS
A4.1	EXTERIOR ELEVATIONS
A4.2	EXTERIOR ELEVATIONS
A4.3	EXTERIOR ELEVATIONS

SYMBOLS



PROJECT TEAM

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jbrooks@aedesign-inc.com

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Contact

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Checked by Checker

INDEX & GENERAL INFORMATION

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1 **CONCEPTUAL SITE PLAN**
1" = 30'-0"

GENERAL NOTES

PEDESTRIAN INFRASTRUCTURE

1. ALL TRAILS TO BE 4' CRUSHER FINES TRAILS WITH FLARING INTERSECTIONS SO AS TO PROVIDE 5' MINIMUM DIAMETER TURNING CIRCLE AT ALL INTERSECTIONS.
2. ASSUME ADDITIONAL 650 LF OF CRUSHER FINES TRAIL IMPROVEMENTS TO NORTH TO CONNECT TO CHARMAR PARK. ROUTE OF TRAIL TO FOLLOW EXISTING SOCIAL TRAIL.
3. PEDESTRIAN CROSSINGS NOT OTHERWISE INDICATED BY THE PRESENCE OF PLAZA PAVERS ARE TO HAVE STRIPED CROSSWALK.
4. ALL SIDEWALKS TO BE 6' WIDE UON. ALL CONCRETE HARDSCAPE ELEMENTS INCLUDING SIDEWALKS, PATIOS, AND COURTYARDS TO BE CDOT CLASS B CONC UON.
5. APPROACH PLAZA TO CONSIST OF TWO TYPES OF PLAZA PAVERS TO DISTINGUISH AREA AS PRIMARILLY PEDESTRIAN IN NATURE.
6. CHILDRENS COURTYARD TO CONSIST OF CRUSHER FINES DISTINCT IN COLOR FROM SURROUNDING TRAIL SYSTEM AND CONTAINED WITHIN 1' WIDE CONCRETE COLLAR.

VEHICULAR INFRASTRUCTURE

1. ALL PARKING AREAS AND DRIVE AISLES TO BE PERMEABLE PAVING.
2. VEHICLE STALLS TO BE STRIPED.

PLANTINGS

1. ORNAMETAL PLANTING AREAS ARE INDICATED IN DARK GREEN. THESE AREAS INCLUDE MORE FORMAL PLANTING ARRANGEMENTS AND ELEMENTS THAT DEFINE THE APPROACH PLAZA AND SUMMER COURTYARD.
2. NATIVE PLANTING AREAS ARE INDICATED IN LIGHT GREEN. THESE AREAS ARE INTENDED TO HAVE NATIVES GRASSES AND PLANTINGS THROUGHOUT. ANY AREAS DISTURBED DURING CONSTRUCTION/GRADING SHALL BE RESEEDED.

FIRE ACCESS

1. PROPOSED PLAN INCLUDES 234LF MAX HOSE RUN FOR FIRE ENGINES PARKED AT THE SOUTH AND NORTH SIDES OF THE SITE PENDING AHJ APPROVAL.
2. IF MAX HOSE RUN IS EXCEEDED PROVIDE 100 LF GEOGRID TO PROVIDE ADEQUATE SUPPORT FOR FIRE LANE. PROVIDE NATIVE GRASSES AND CRUSHERFINE TRAIL WHERE INDICATED. MINIMUM WIDTH 24'

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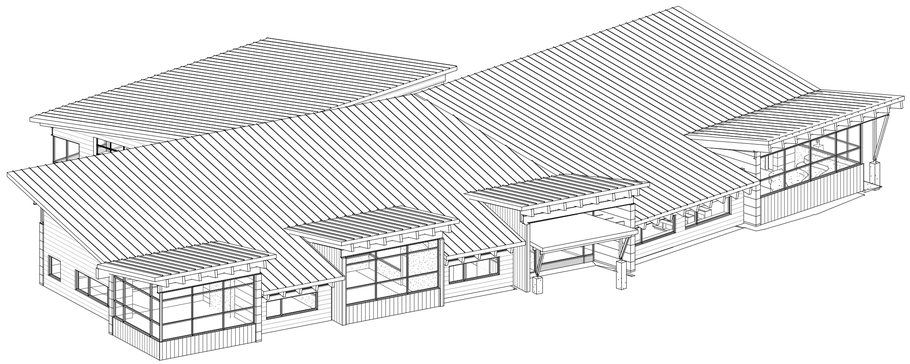
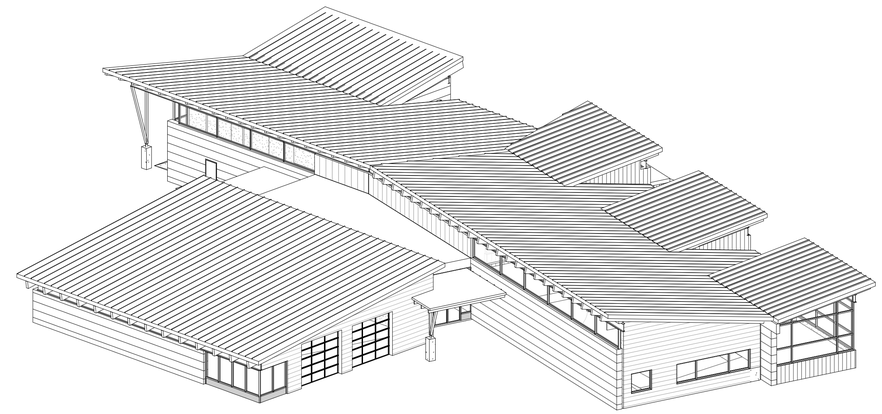
SITE PLAN

G0.2

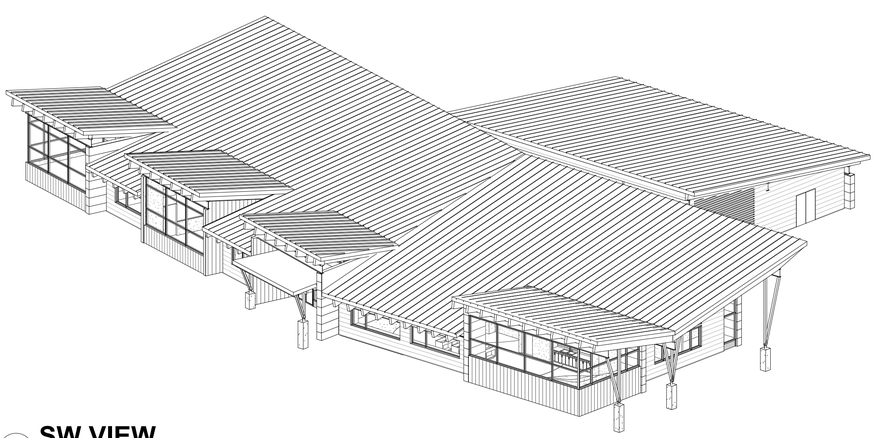
11/1/2019 2:35:22 PM



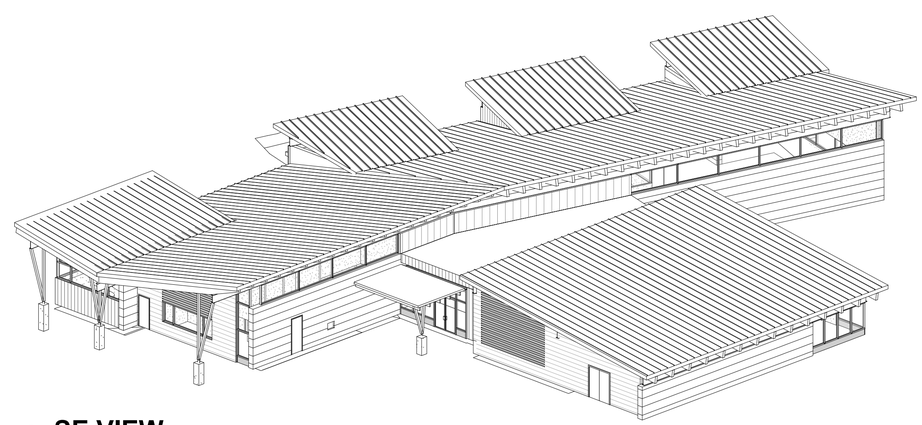
4 **NW VIEW**



3 **NE VIEW**



2 **SW VIEW**



1 **SE VIEW**

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ISOMETRICS

G0.3

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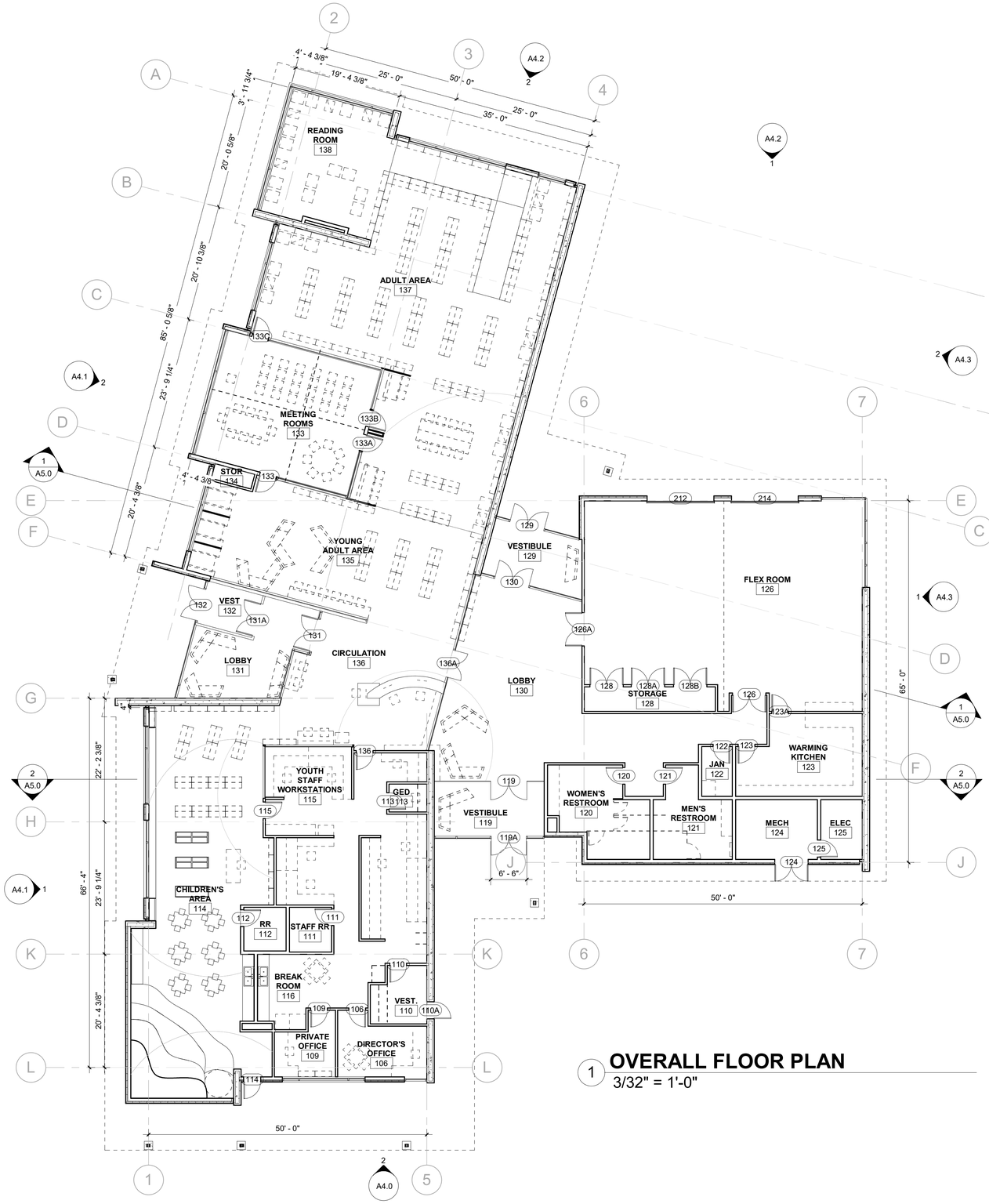

1 **OVERALL FLOOR PLAN**
3/32" = 1'-0"

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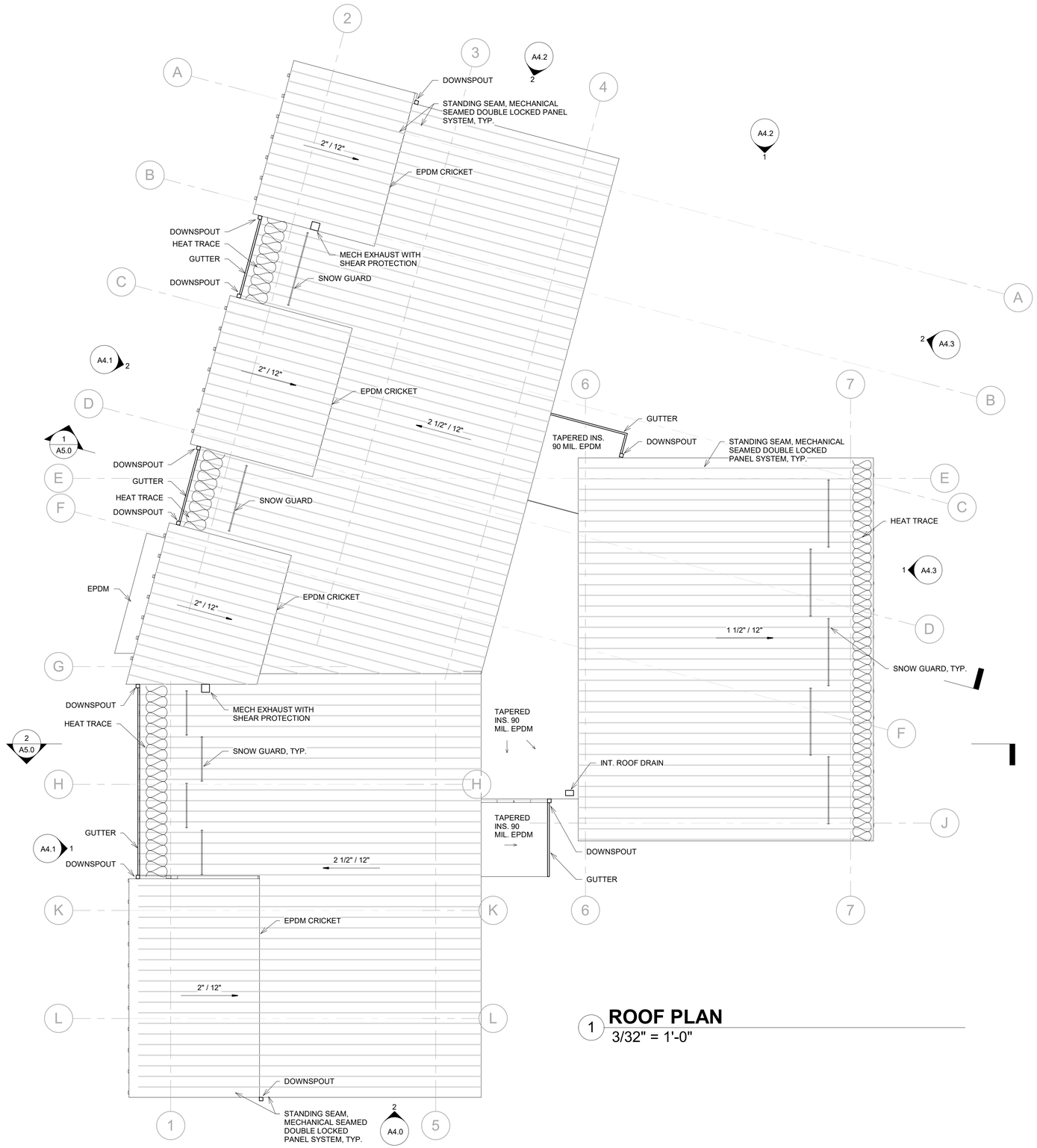
OVERALL FLOOR PLAN

A1.0

11/1/2019 2:35:08 PM



1 **ROOF PLAN**
3/32" = 1'-0"

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ROOF PLAN

A1.1

11/1/2019 2:35:08 PM

1 **FIRST FLOOR RCP**
3/32" = 1'-0"

LEGEND:

- 2x2 ACT
- GYP. CEILING
- ACOUSTIC MINERAL FIBER PANELS
- WD SLATS OVER ACOUSTIC FELT WITH SLOT DIFFUSERS & STRIP LIGHTS
- GLULAM BEAMS WITH CLT ENGINEERED WD PANELS
- MECHANICAL MEZZANINE

N

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OVERALL RCP

A2.0

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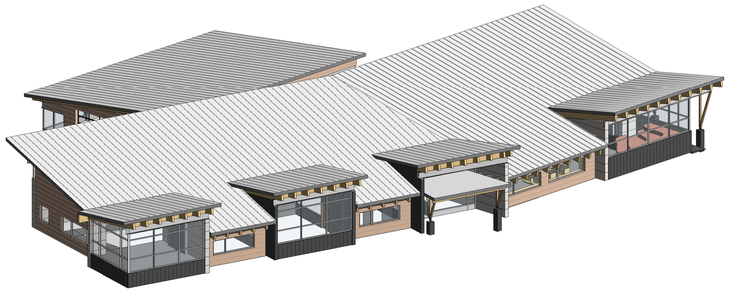
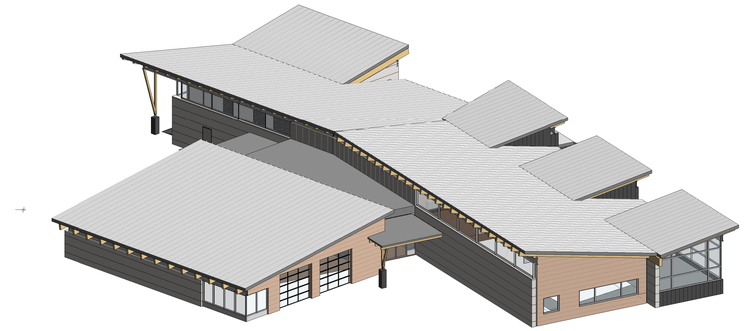
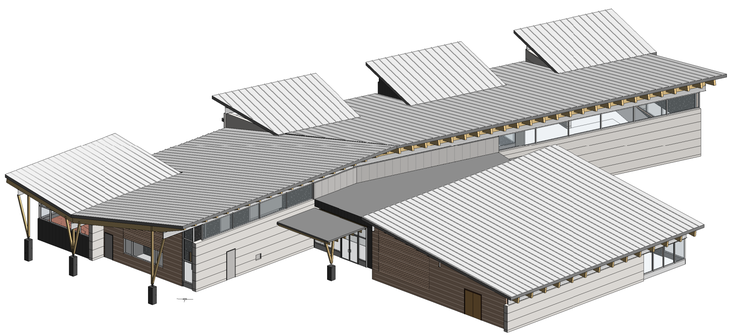


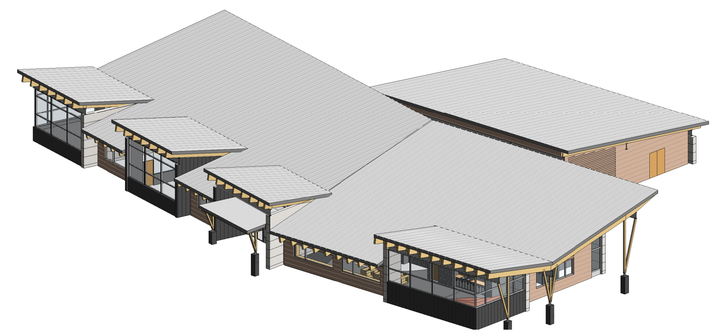
3 **NW EDGE VIEW**



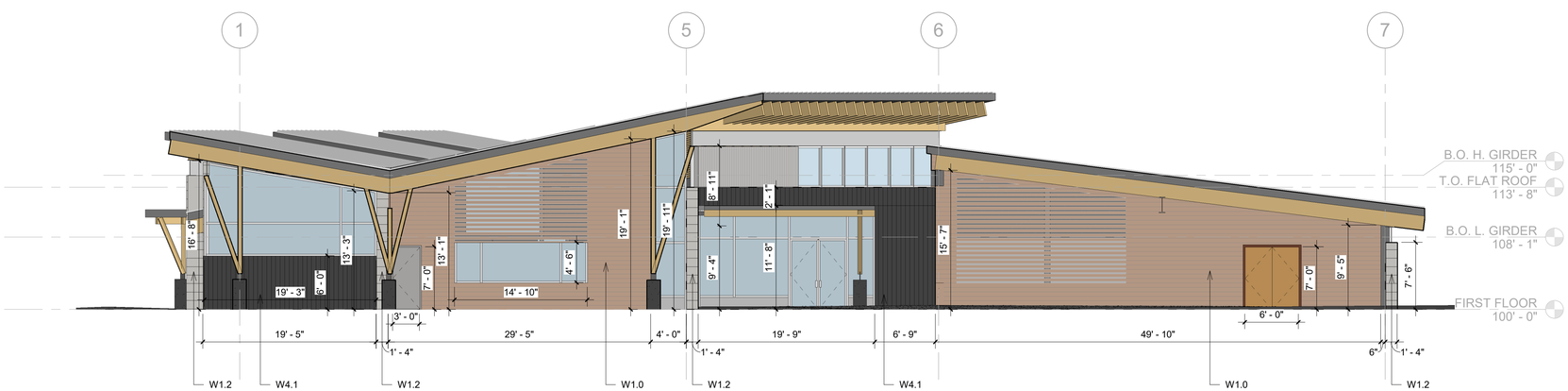
1 **NE FLEX VIEW**



4 **SE ENTRY VIEW**



5 **SW TRAIL VIEW**



2 **SOUTH ELEVATION**
1/8" = 1'-0"

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EXTERIOR ELEVATIONS

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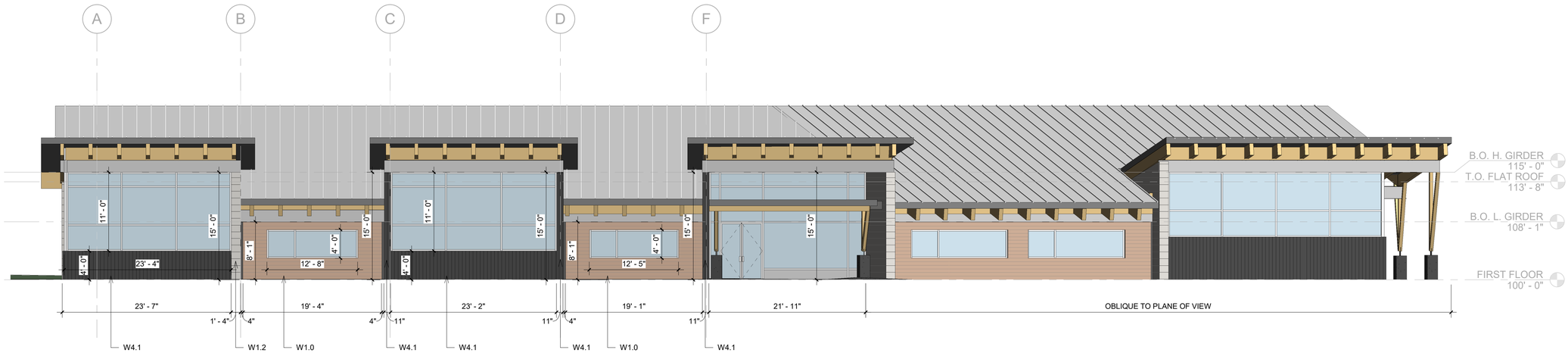
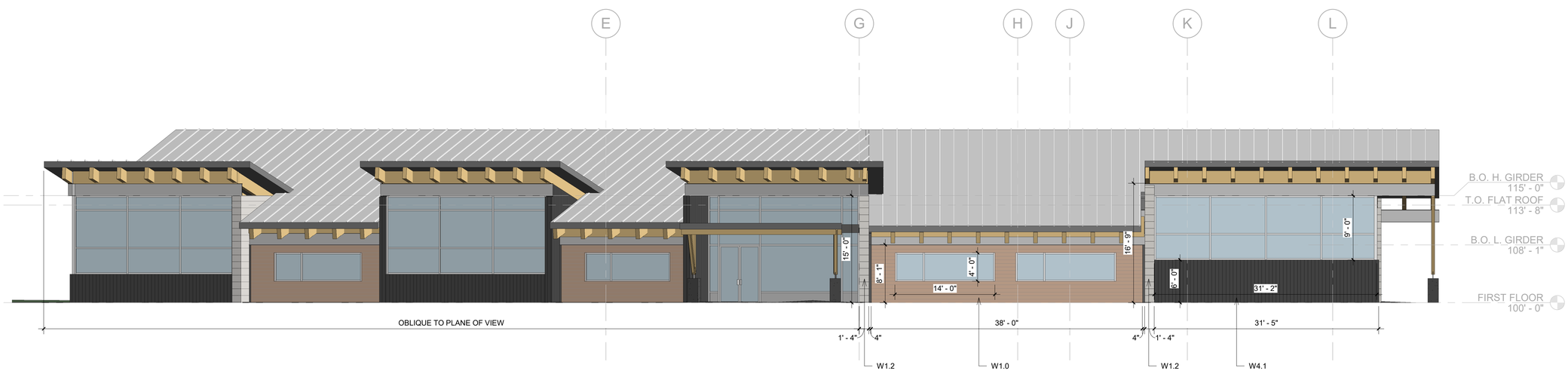


2 **WEST ELEVATION**
1/8" = 1'-0"



1 **SOUTHWEST ELEVATION**
1/8" = 1'-0"

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EXTERIOR ELEVATIONS

A4.1

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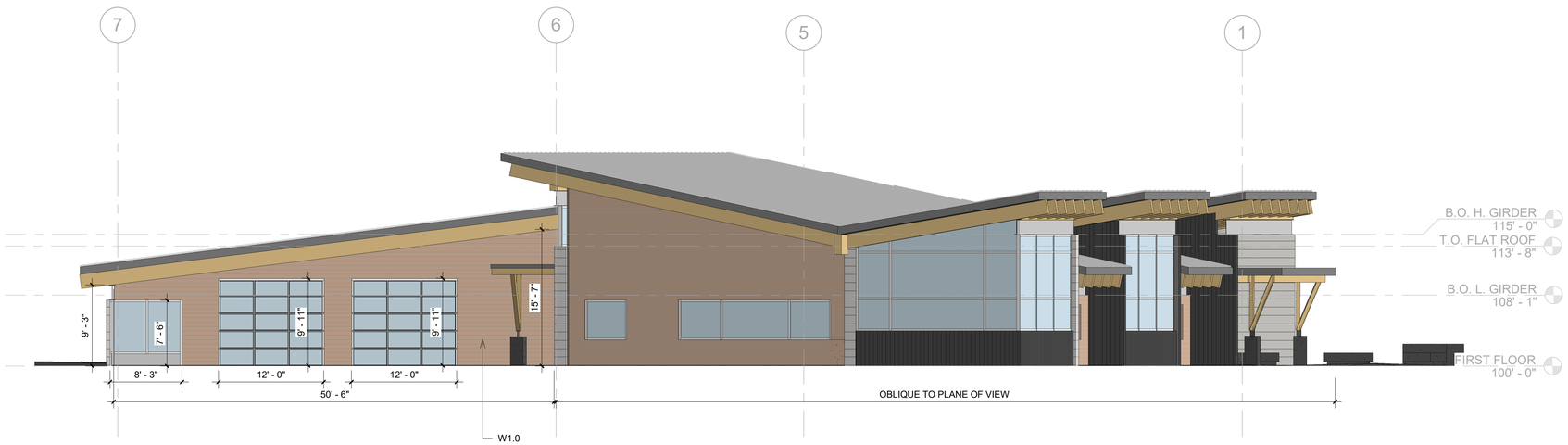
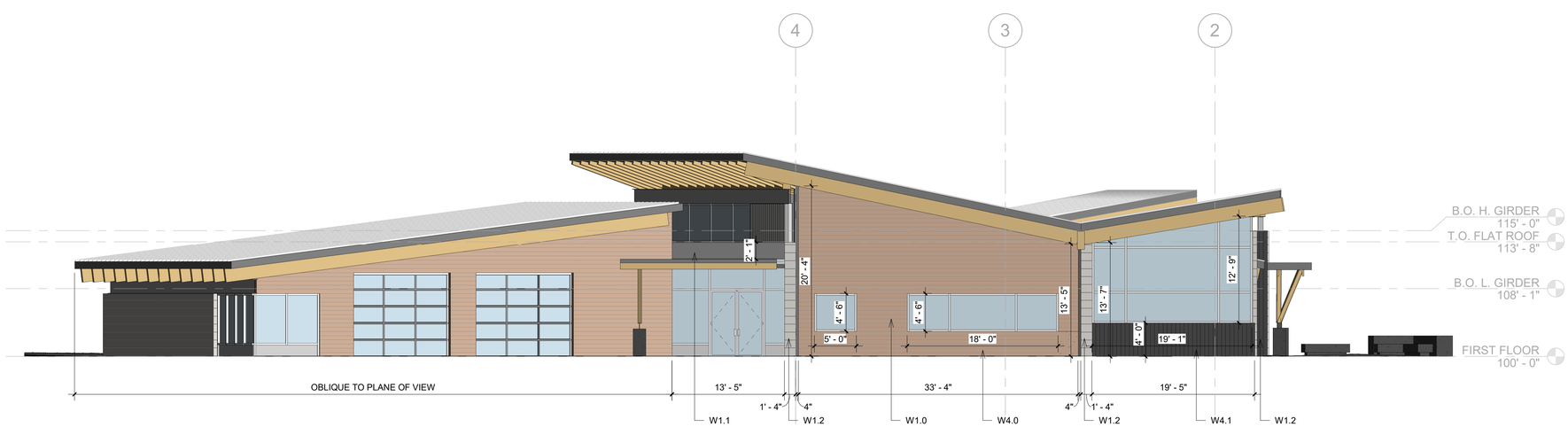


1 **NORTHWEST ELEVATION**
1/8" = 1'-0"



2 **NORTH ELEVATION**
1/8" = 1'-0"

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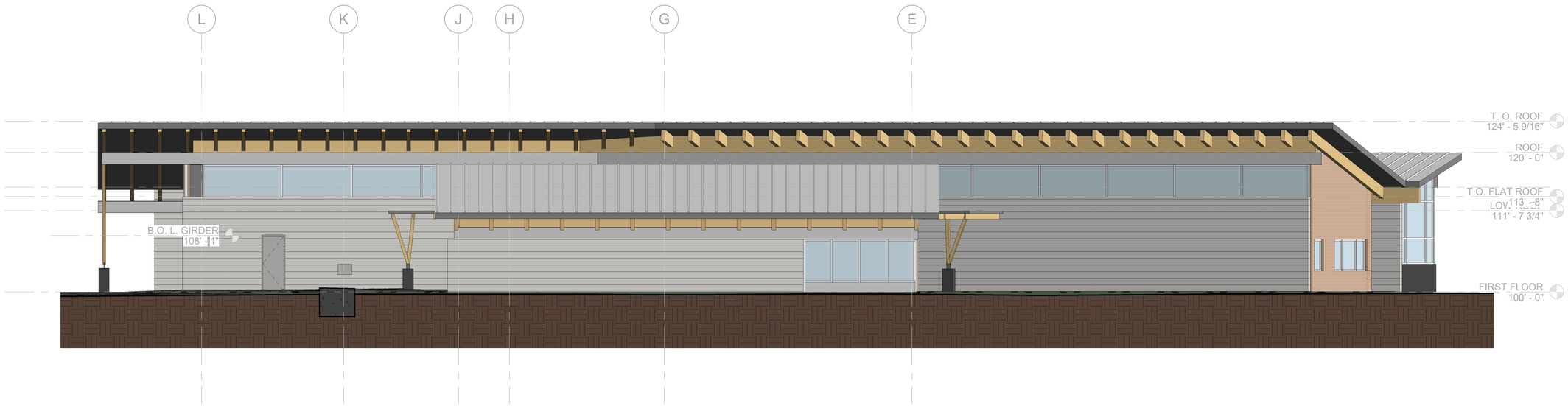
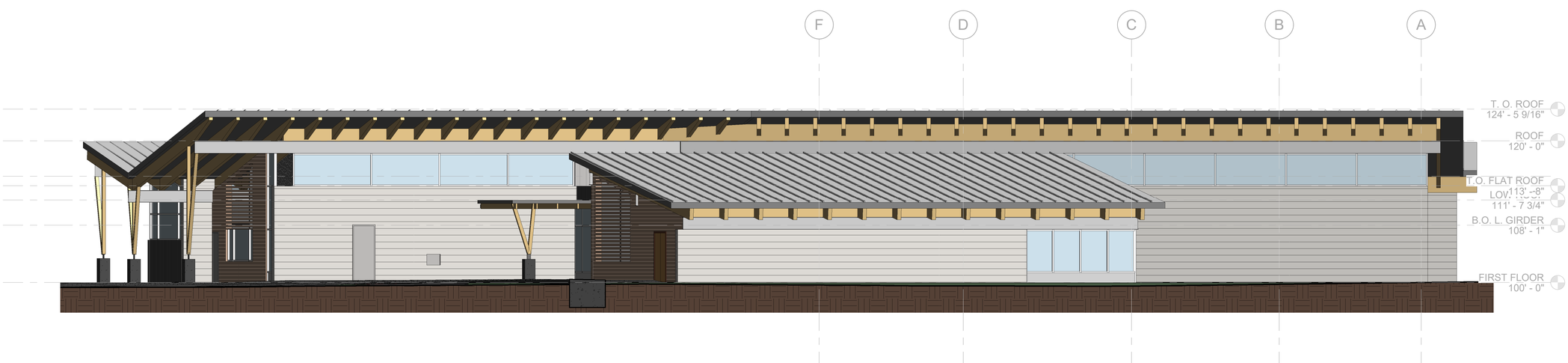


1 **EAST ELEVATION**
1/8" = 1'-0"



2 **NORTHEAST ELEVATION**
1/8" = 1'-0"

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