Riverstone Transit

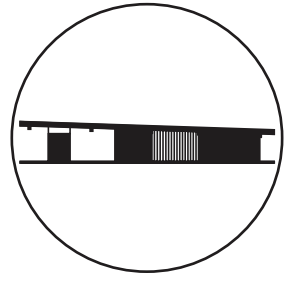
Client: Kootenai County

Coeur d'Alene, Idaho

4 Acres
2,500 SF

Year: 2019

Regional Design Citation Award: AIA Northwest and Pacific Region 2021
Merit Award: AIA Spokane 2020
People's Choice Award: AIA Spokane 2020

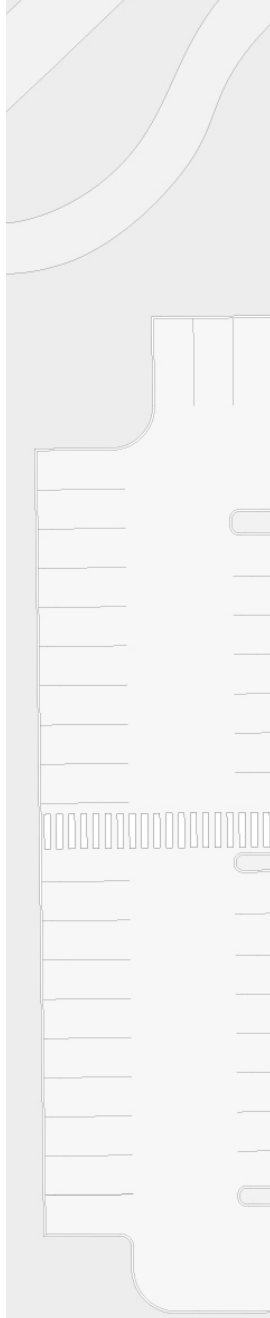


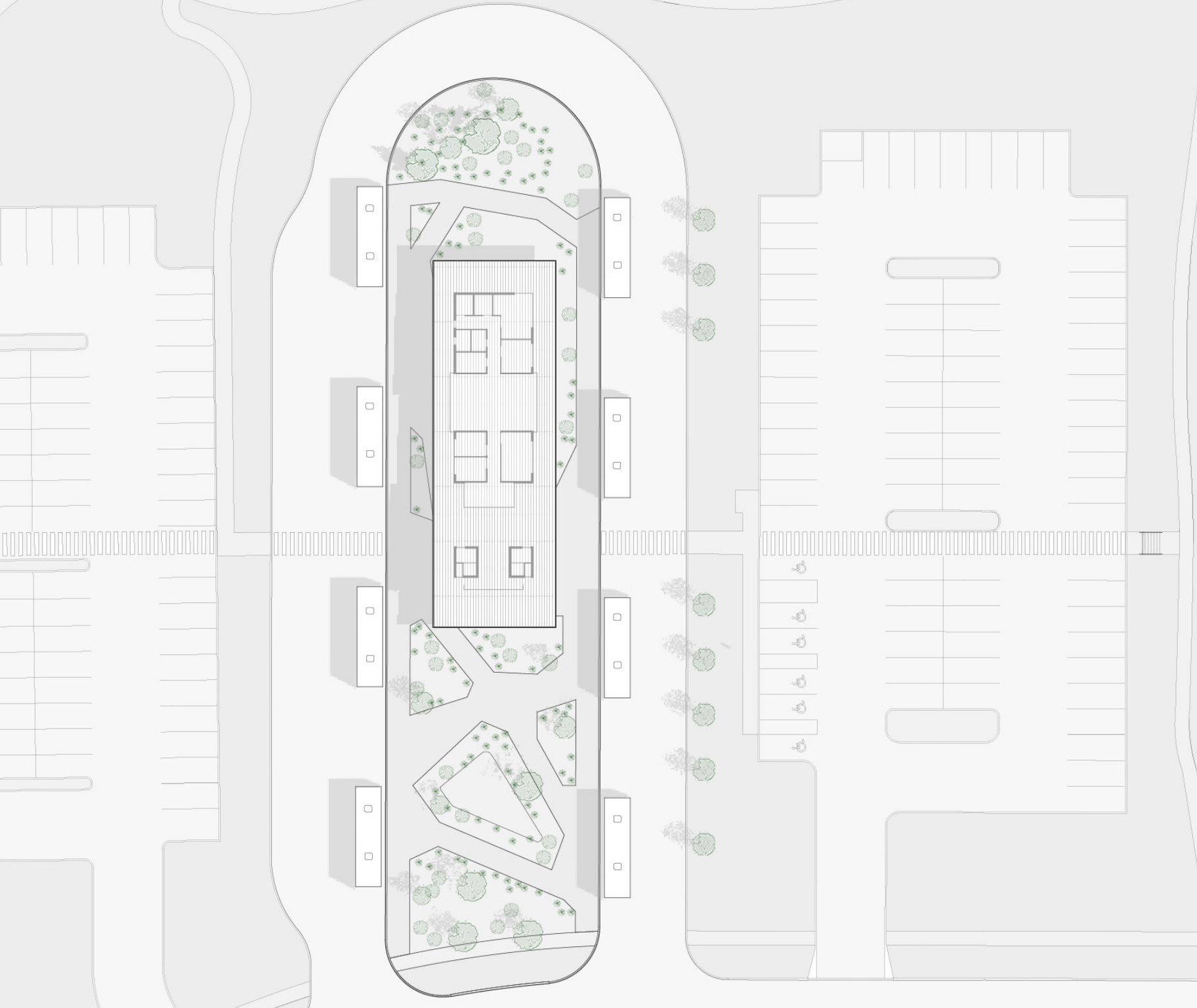
The new Riverstone Transit Center brings the administrative staff and bus services for Citylink and Paratransit to a central hub location to provide riders with a safe, clean, and convenient experience.

The project includes an Administrative Building, outdoor public restrooms, and a covered waiting shelter for riders.

Similar projects of this type typically separate the restroom from bus shelters. When combined, the administration, restroom, and waiting shelters exist under a single roof, large enough to announce Citylink's brand.

The site includes landscaped pathways to each of the eight bus loading areas, as well as 80 parking stalls and additional space for future growth.



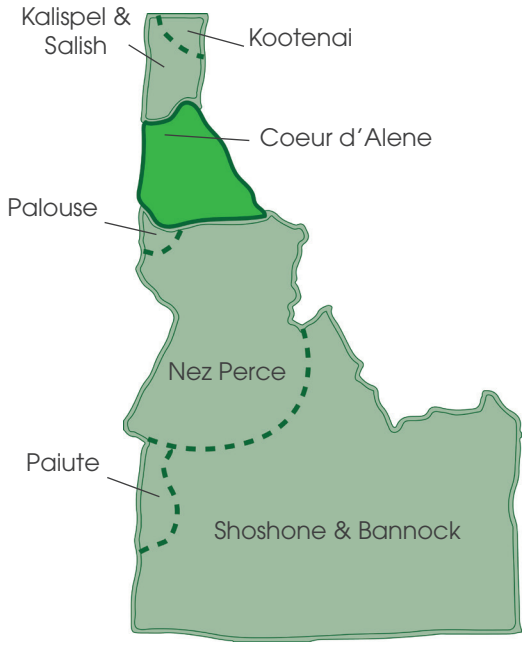



2400

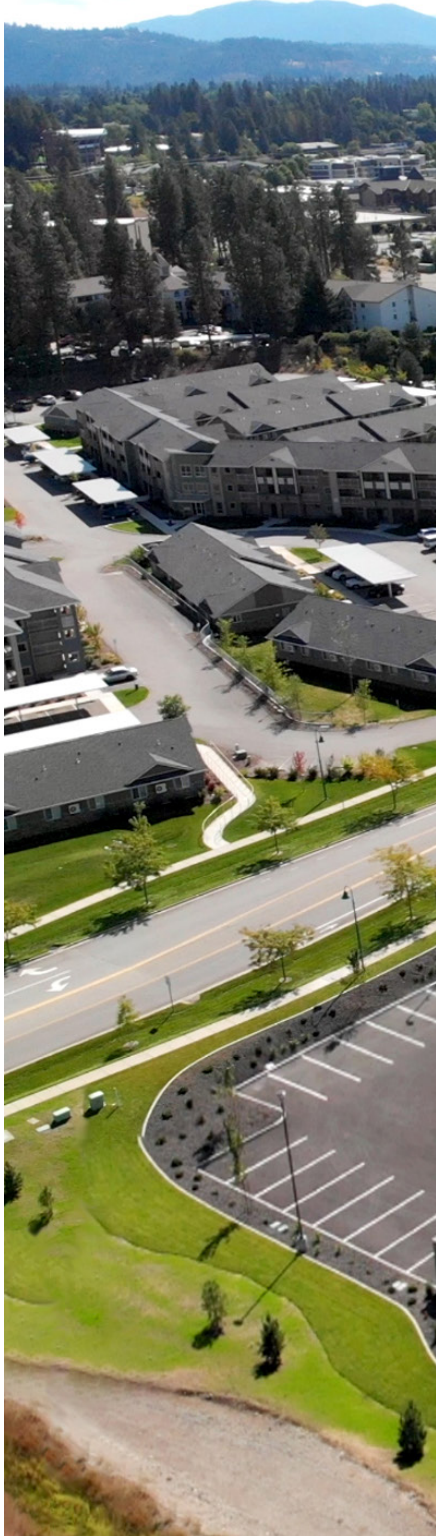
Regional **Inspiration**

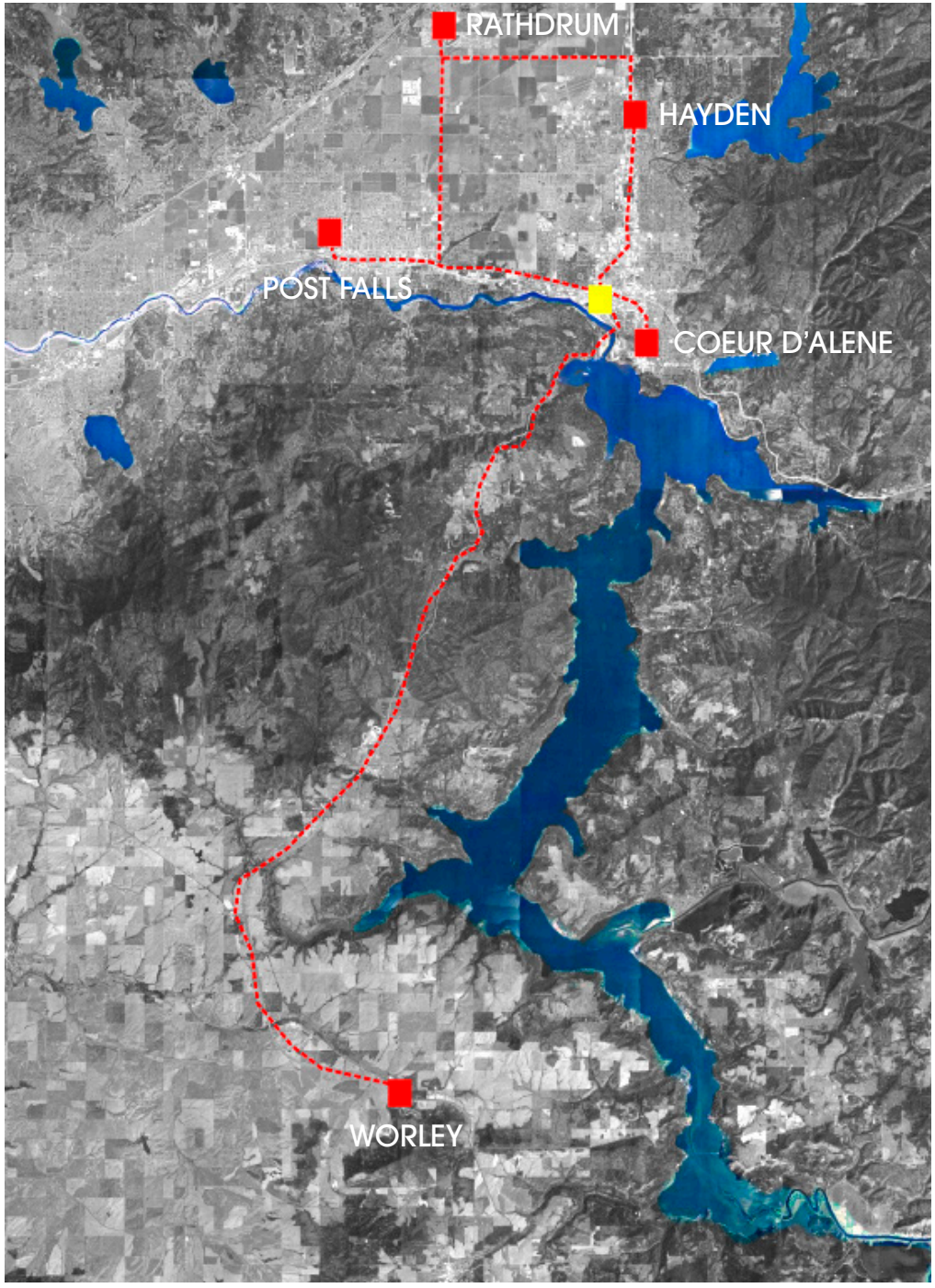
Centuries ago, this site was encompassed by the heart of the original, vast territory of the Coeur d'Alene Tribe and served as a hub for regional trading and traveling Tribal factions.

Today, the Transit Center's analogous function provides a multimodal transportation hub with regional reach via the adjacent pedestrian trail, interstate highway, state route, riverway, and county-wide bus transit system.



Native Tribes of Idaho





Five communities connected through the transit hub.

Multimodal site collecting four types of transportation: bicycle, pedestrian, automobile, and public transit.


2400

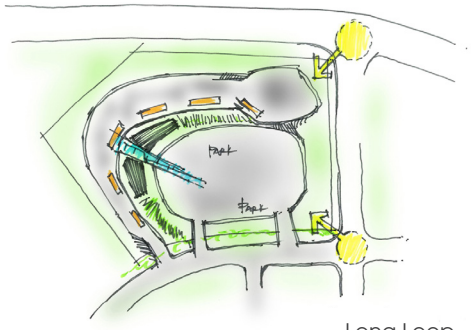
Regional **Connections**

Pre-design explorations quickly indicated placing the transit hub central between parking; lessening pedestrian walking distance.

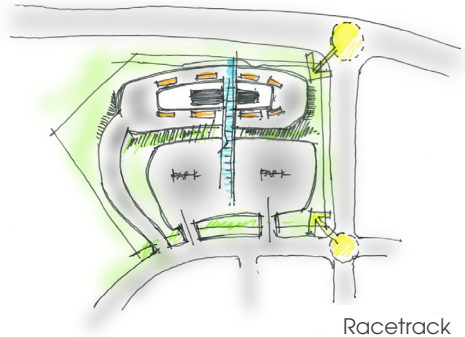
In support of the mission to remove barriers that prevent people with disabilities from using the transportation system, the previously used gravel lot in this location was upgraded significantly.

Accessible parking, pathways, restrooms, and Paratransit support services all promote rider equity.

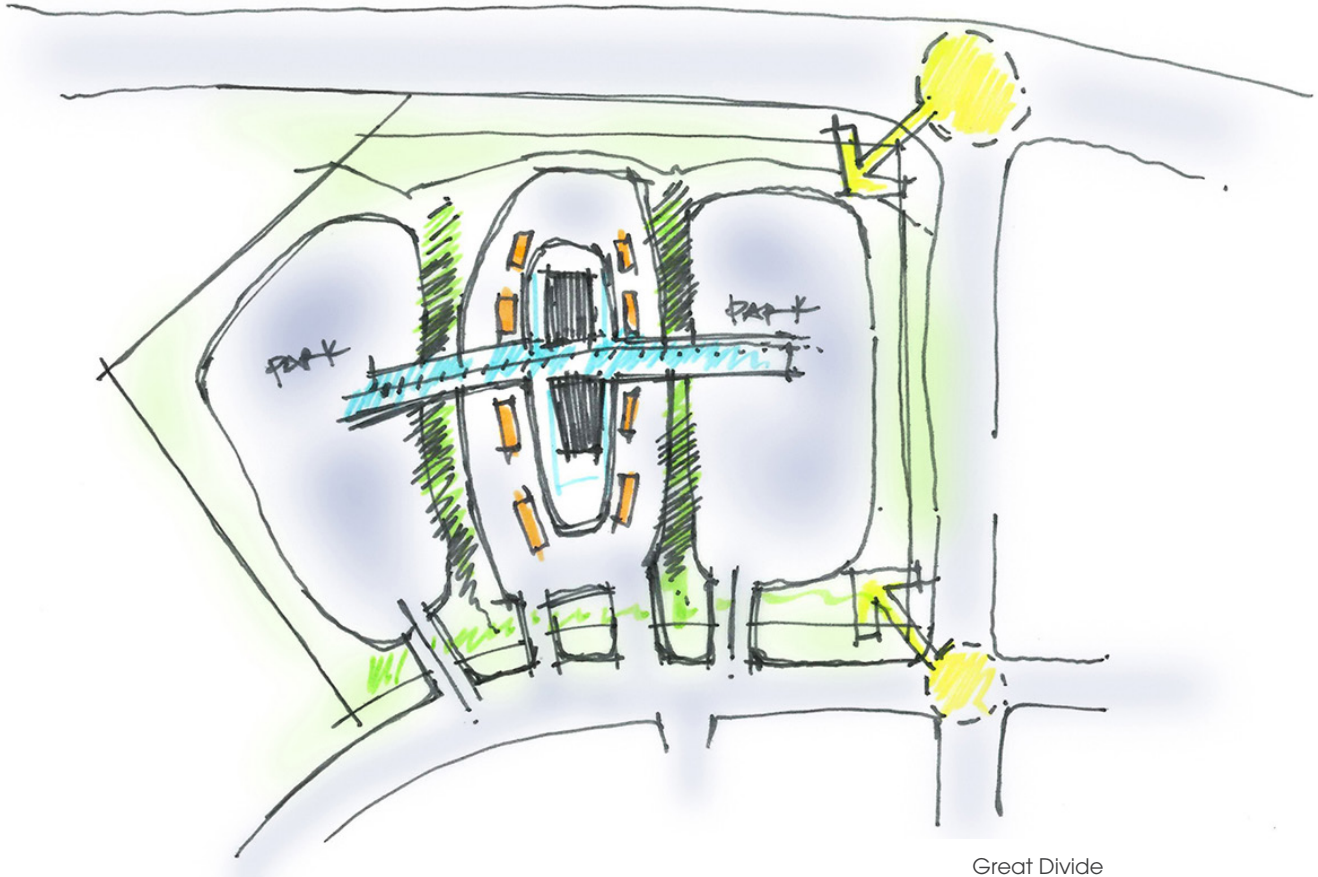
Pre-Design Explorations



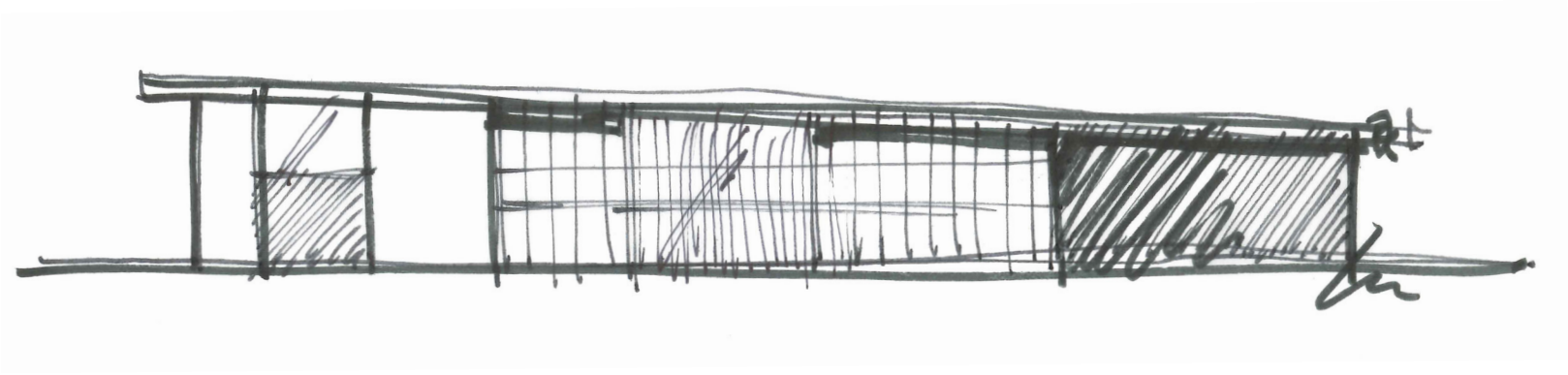
Long Loop

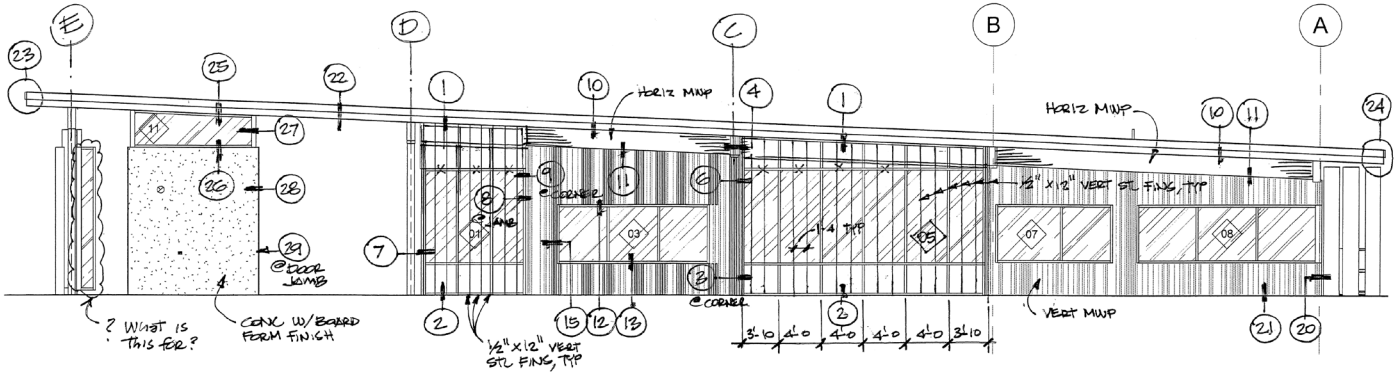


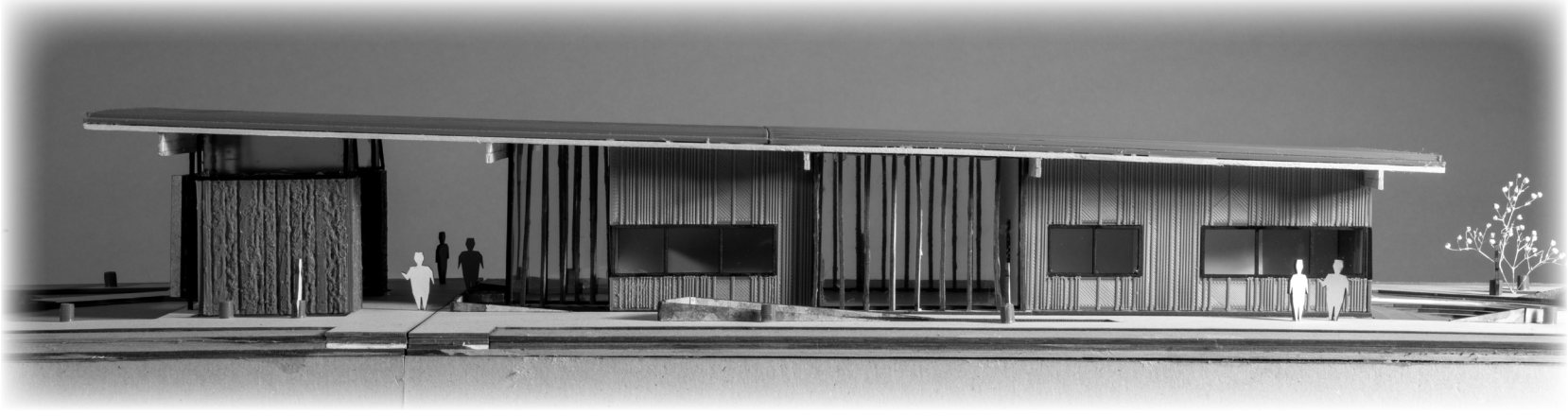
Racetrack



Great Divide




E
D
C
B
A
HORIZ MULL
HORIZ MULL
½" x 12" VERT STL FIN, TYP
@ CORNER
@ JAMB
@ DOOR JAMB
@ CORNER
1-4 TYP
? WHAT IS THIS FOR?
CONC W/ BOARD FORM FINISH
½" x 12" VERT STL FIN, TYP
VERT MULL
3'-10
4'-0
4'-0
4'-0
4'-0
3'-10



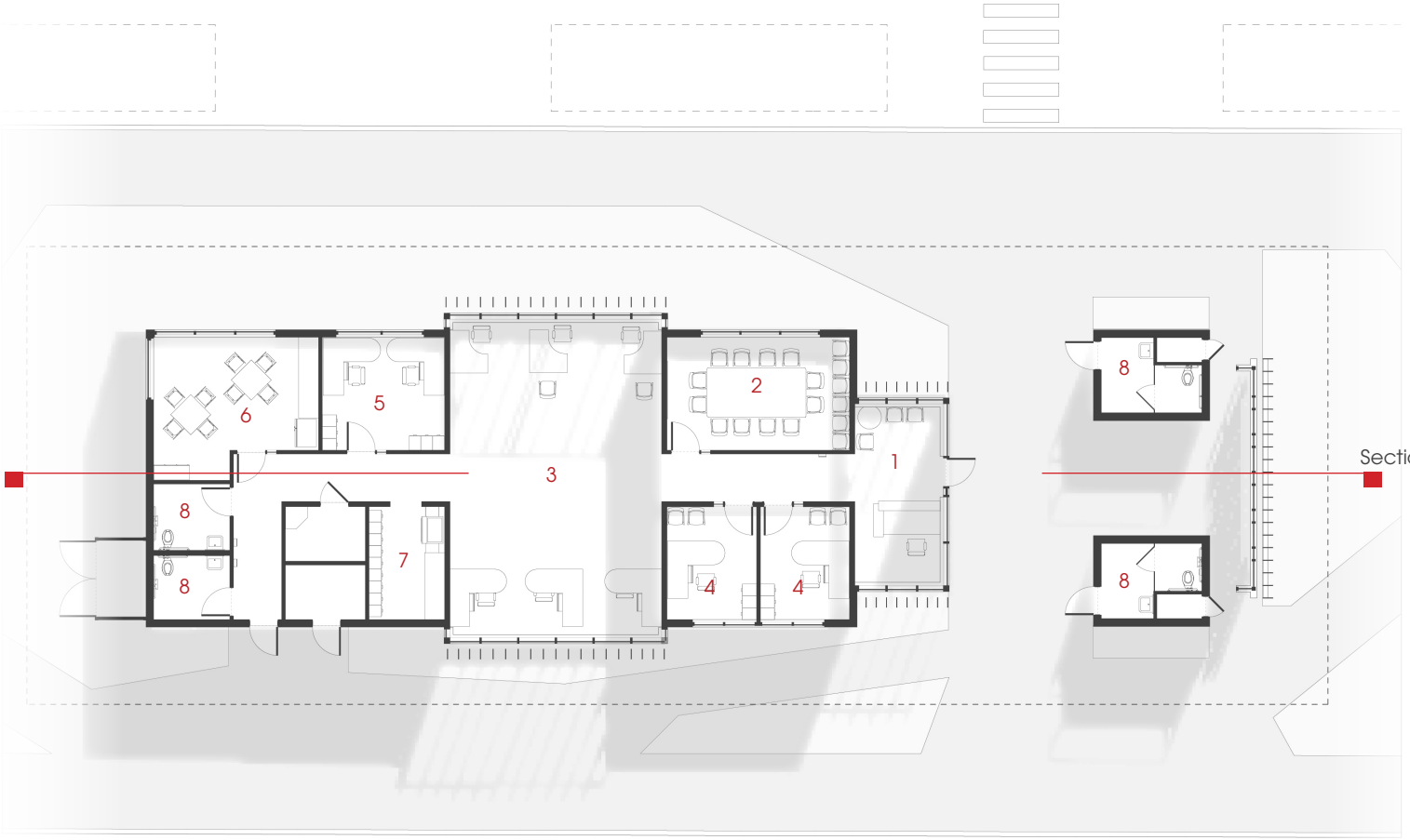
Simple Elegance

The simple structure allows free flow of riders and employees around the facility with ease.

The roof unifies all spaces while protecting riders from wind-driven rain blowing off Lake Coeur d'Alene and the Spokane River.

The all-encompassing roof also affords a well lit, protected zone with passive observation for vulnerable riders.

1 Reception
2 Training
3 Open Work Area
4 Office
5 Dispatch
6 Break Room
7 Files
8 Toilet Room



Section A

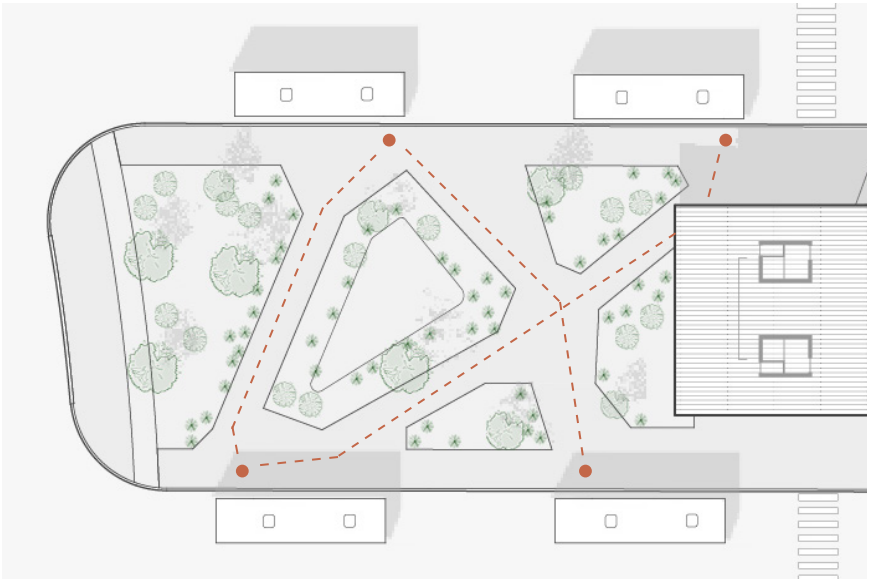
Collecting People & Water

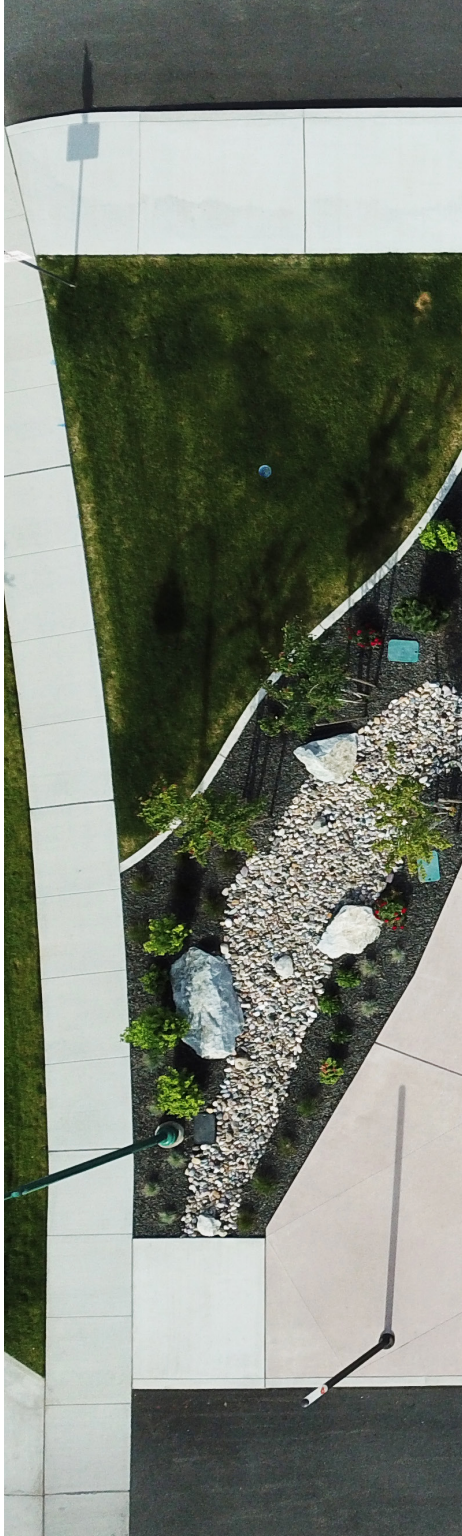
Starting with the rider's movement between buses, dynamic paths were created keeping in mind expedience and experience.

The pathways create a landscape framework to house a bioswale for water filtration. The bioswale is designed to be reminiscent of the surrounding region's geography.

The nearby Selkirk Mountains' granite outcroppings and waterway channels are one of the regions defining characteristics.

Landscape design incorporates a celebration of water events, prolonging runoff in the swale to enhance the viewer's understanding of the purpose of the swale.





Indoor/Outdoor Connections

Defensible space is fundamental to the design.

Strategies for safe ridership are masked through the use of local materials and landscape architecture.

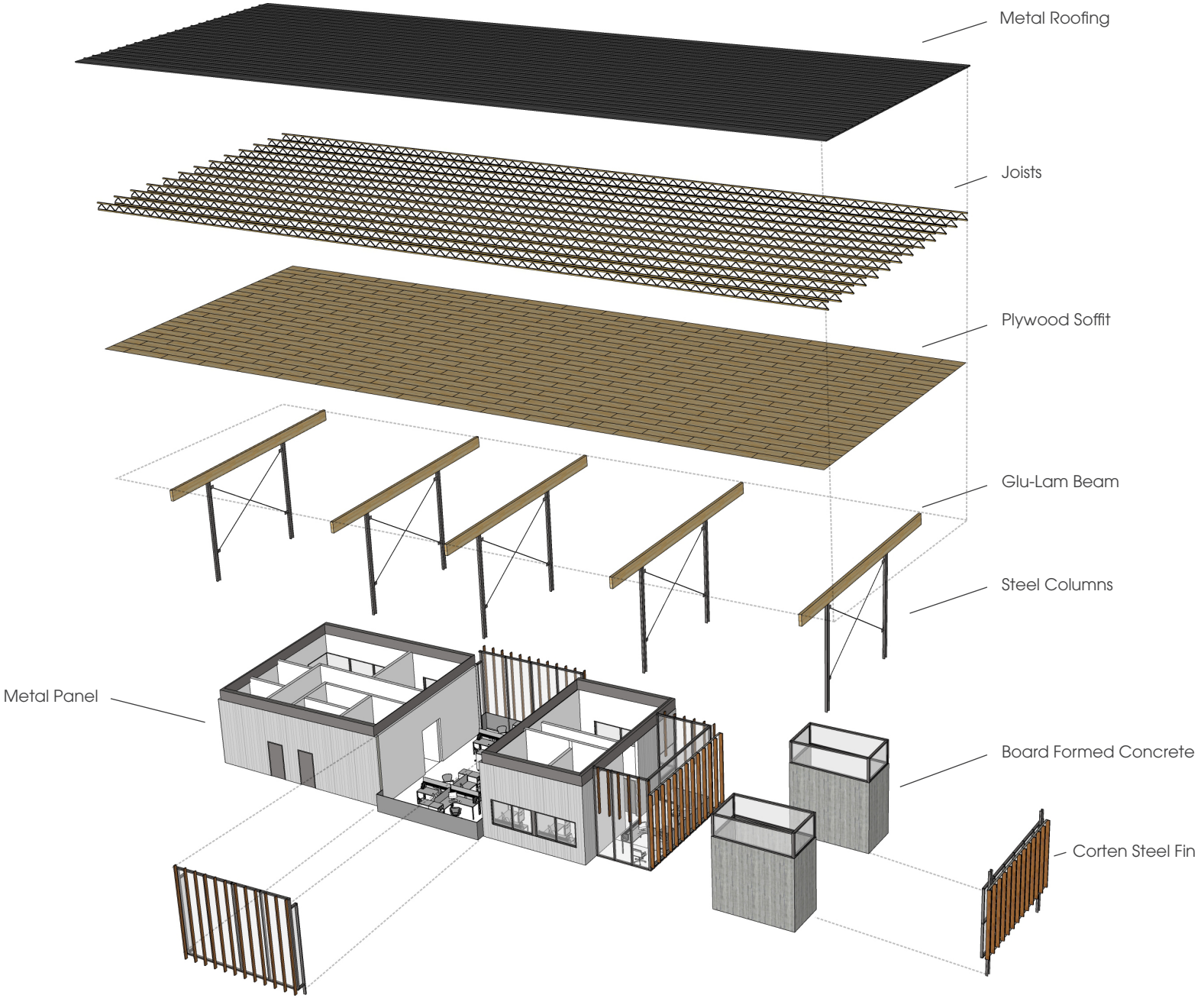
Seeing and being seen ensures minimal disruption from one rider to the next.

Regional **Materiality**

The facility's unique composition of material, space, and landscaping instills a sense of ownership in the community and inspires newcomers to utilize the transit system.

Knitting together the threefold program under one roof enables adequate separation, yet essential connectivity.

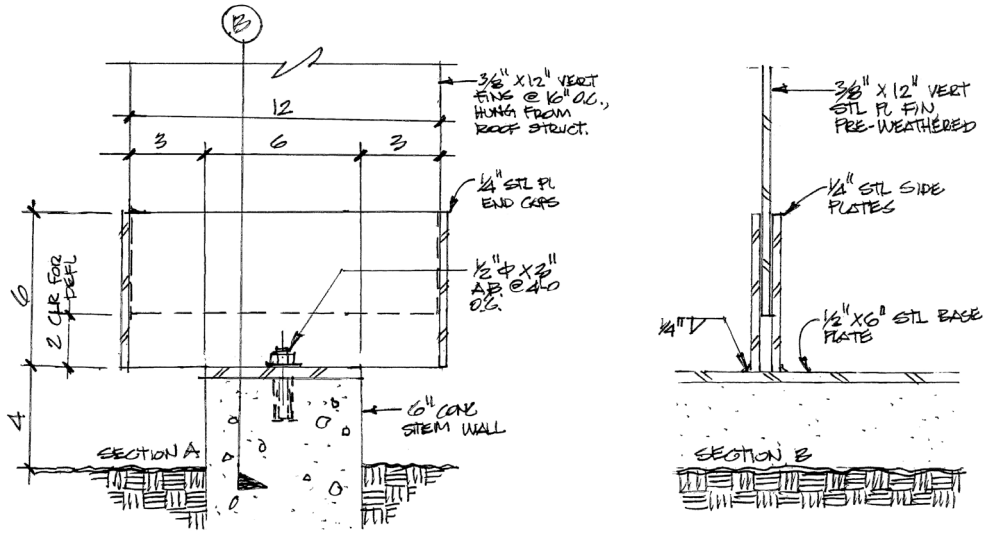
The passenger shelter has a delicate balance of needs, providing refuge from elements and cold southerly winds while encouraging only brief rider stays.


Metal Roofing
Joists
Plywood Soffit
Glu-Lam Beam
Steel Columns
Metal Panel
Board Formed Concrete
Corten Steel Fin

Honesty in Materials

Every material on the project has a purpose whether for rider safety, solar glare for administration office space, or weather shelter.

Expression of architectural elements brings these utilitarian devices to life and creates the aesthetic.



Corten steel has a twofold quality; rich earth tone and changing patina through time.

The durable material helps separate users between riders and administration. It also decreases thermal load, knocking down solar glare prior to hitting the glass of the interior.

The durable concrete restroom masses contribute to the open shelter, receiving daylight from clerestories above.

Passive Observation

Within the Administration Building, the Transit Operations Offices remain separated from daily ridership while enjoying ample views to monitor outdoor activity.

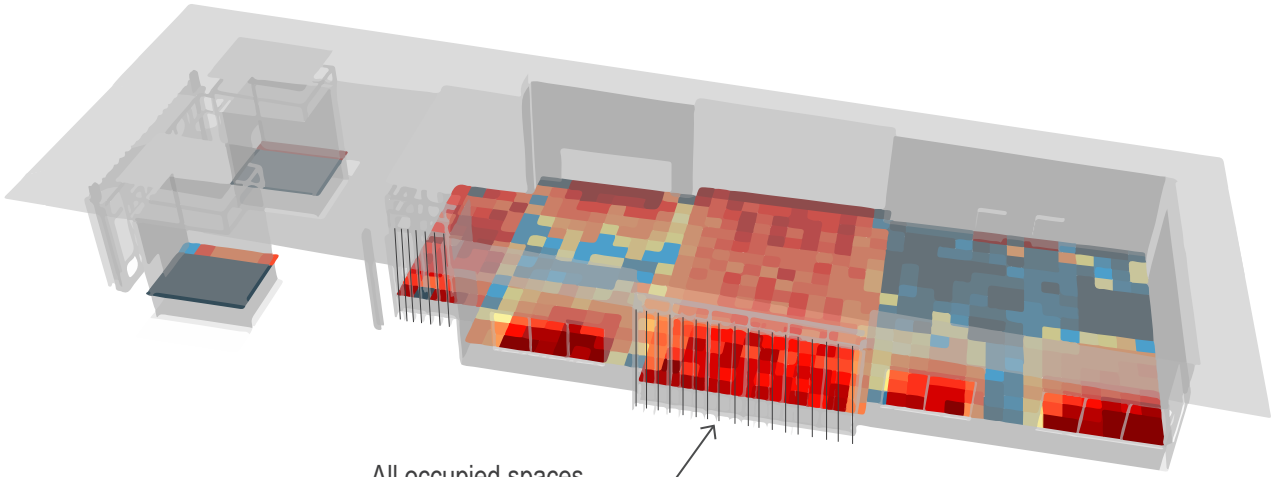
Corten steel fins provide solar shading and serve as a mechanism for defensible space.

Daylight Analysis

Large expanses of glazing offer significant view opportunities and natural daylighting for all workstations in the facility.

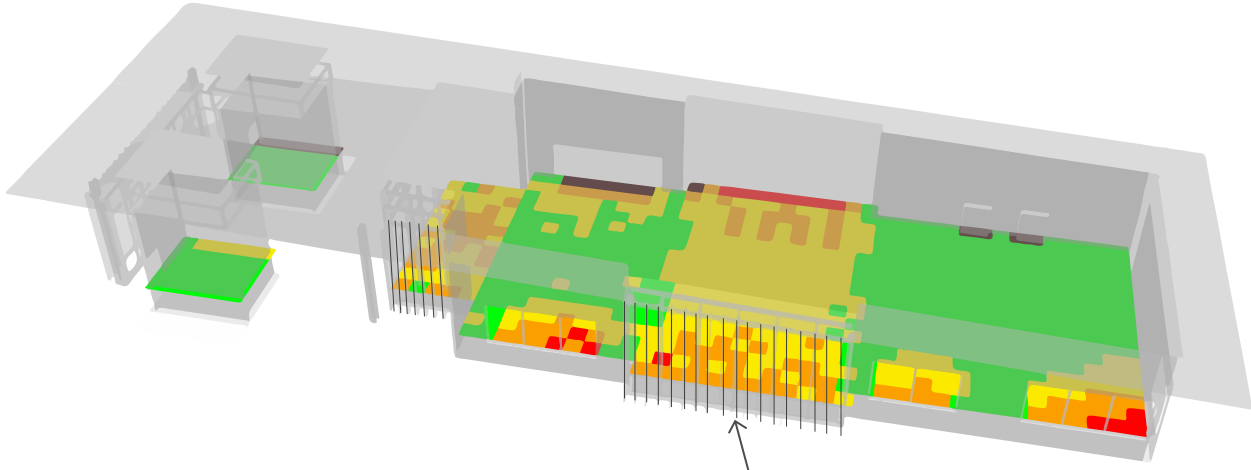
Steel shading fins are situated in order to balance an ideal amount of daylight while minimizing uncomfortable glare and solar heat gain.

Daylight Study with Fins



All occupied spaces throughout the building are receiving ample daylight (as shown in red). This contributes to a healthy work environment and lowers lighting costs and energy use.

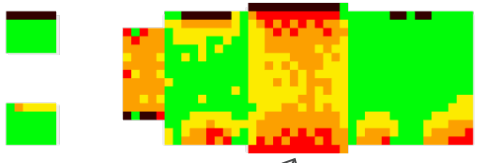
Glare Study with Fins



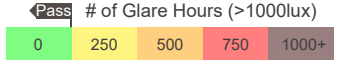
The addition of steel shading fins reduces workspace glare and mitigates solar heat gain without significantly impacting daylight in the space.

Reducing solar heat gain lowers the cooling load and building's energy use during the summer.

Glare Study No Fins

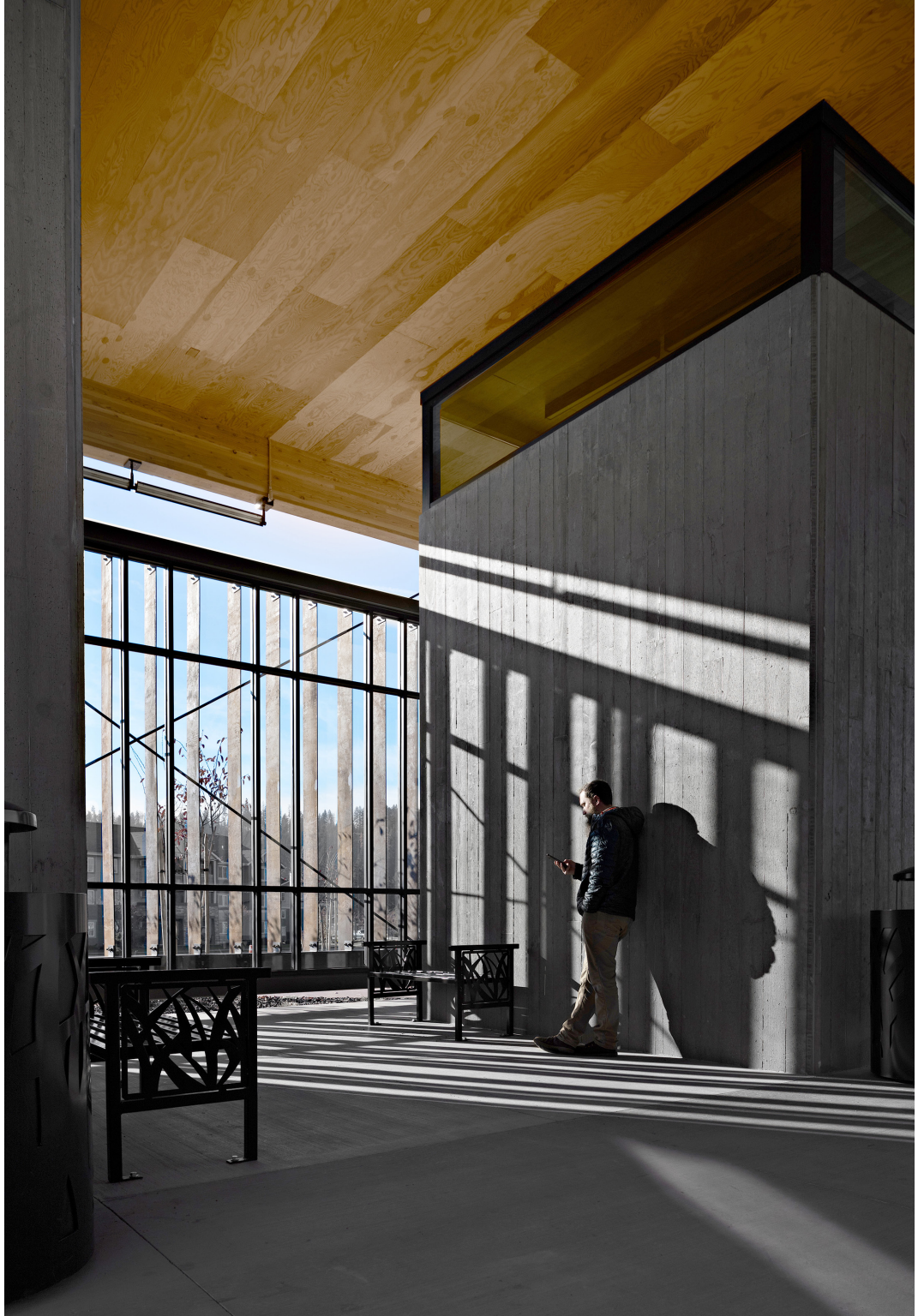


Workspaces near large expanses of glass would receive undesirable levels of glare and solar heat gain without the steel shading fins.




CAUTION
For Buses
citylink
TIGER

Inspired by the region and the needs of its patrons, Riverstone Transit aims to be part of the landscape where functional design and community come together.



ALSC ARCHITECTS

We bring our clients' stories to life.™

Our Studio Design Principles

Culture ALSC's culture thrives on collaboration, open communication, mutual respect, and personal connection within the office and in support of our community; enhancing our collective quality of life.

Design Every project is innovative in how we craft a vision with the client to create an outcome that is greater than they had ever envisioned. We tell our clients' stories in a visionary way.

Practice We continually find ways to improve our craft through defined processes, quality control, and an interdisciplinary approach to the practice of architecture.

Communication ALSC pushes the boundaries of how we communicate, collaborate, and market our brand using a collective approach that engages the entire office.

Mentorship ALSC empowers everyone by providing learning experiences and promoting the sharing of knowledge through mentorship and professional development.

Project Credits

Client: **Kootenai County**
Contractor: **LaRiviere Inc.**
Civil Engineer: **Coffman Engineers**
Structural Engineer: **Coffman Engineers**
Electrical Engineer: **Coffman Engineers**
Mechanical Engineer: **Coffman Engineers**
Landscape Architect: **SPVV Landscape Architects**
Photographer: **Tony Roslund**

Special Thanks: **Coeur d'Alene Tribe, Citylink Transit Systems**