



— Mount Vernon Library Commons —

Monthly Update
 August, 2021

Importance of Daylighting

Creating opportunities for balanced and controlled natural daylight is important for a number of reasons. First, naturally daylit spaces are more pleasant to the user and it increases productivity and performance. Second, it reduces the amount of artificial lighting needed during the day, reducing power usage. And third, controlling glare reduces visual stress. HKP is working with the Integrated Design Lab to study daylighting optimization.



Preliminary Massing Models without lighting and with placeholder screening to be developed

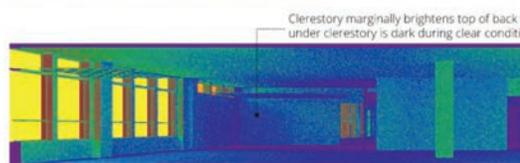
Schematic Design Update

The first phase of design, known as Schematic Design, is wrapping up with a deadline of September 8th. The design team is busy finalizing drawings and narratives with the goal of defining the scope of work with enough accuracy to produce the first detailed cost estimate for the project. Placeholder materials, screening, furnishings, and other items are included in the model to provide a Basis of Design.

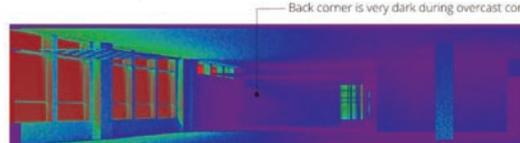
What's Next?

Once the review is complete on the Schematic Design, the next three months will be spent in Design Development, refining plans, materials, furnishings, systems, and equipment. A Community Update will be provided in October.

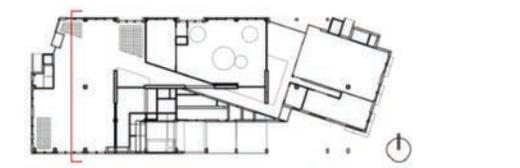
Analysis 2: Luminance Section | September 21st @ noon - clear sky



Luminance Section: September 21st @ noon - clear sky



Luminance Section: September 21st @ noon - overcast sky



Partial view of the Daylighting and Sunshade study by the Integrated Design Lab. These studies inform how we can change the design to provide the best daylighting balance.



Preliminary Interior Views (shown without lighting or final materials or furnishings)

Month in focus

The **75 Electric Vehicle (EV) Charging Stations** that will be provided in the Parking Garage will make this facility the **largest** in Washington State. It will **double the capacity** of EV public charging along the Interstate 5 corridor between Seattle and Vancouver, BC. Not only will this provide critical infrastructure to the region for **clean, efficient, emission-reducing transportation alternatives**, but it will bring millions of dollars to our **local economy** by attracting motorists to the downtown while charging their vehicles.

The facility will also have a number of **Electric Bike Charging Stations** available in the garage, with elevator access, for additional alternative transportation options for residents and visitors.



August 2021 Activities.

- City Council Project Update Presentation
- Weekly Owner Meetings
- In-Pipe Energy Discussions with PUD
- Sustainability Charette
- Photo voltaic Angle and Efficiency Study
- Daylighting Sunshade Studies
- Carbon Reduction Material Options Matrix Developed
- Plan Revisions based on Owner Review
- Acoustical Design Review
- Audio-Visual Design Review
- Stormwater Analysis
- Vehicle Turning Analysis (Entry and Alley)
- Cost Estimate Started
- Preparation of 100% Schematic Design (Sept. 8)



Preliminary View from Garage Entry at 3rd Street

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