

PATRICK FINUCANE

Architecture & Urban Design Portfolio

Projects

Roadside Chapel

Carthusian Monastery

Vert District

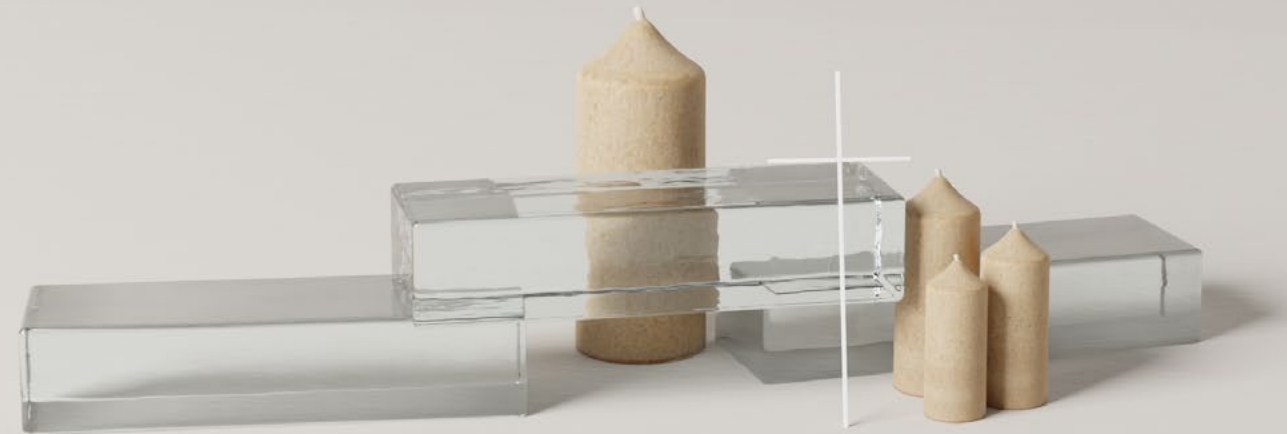
Metal on Laminated Timber

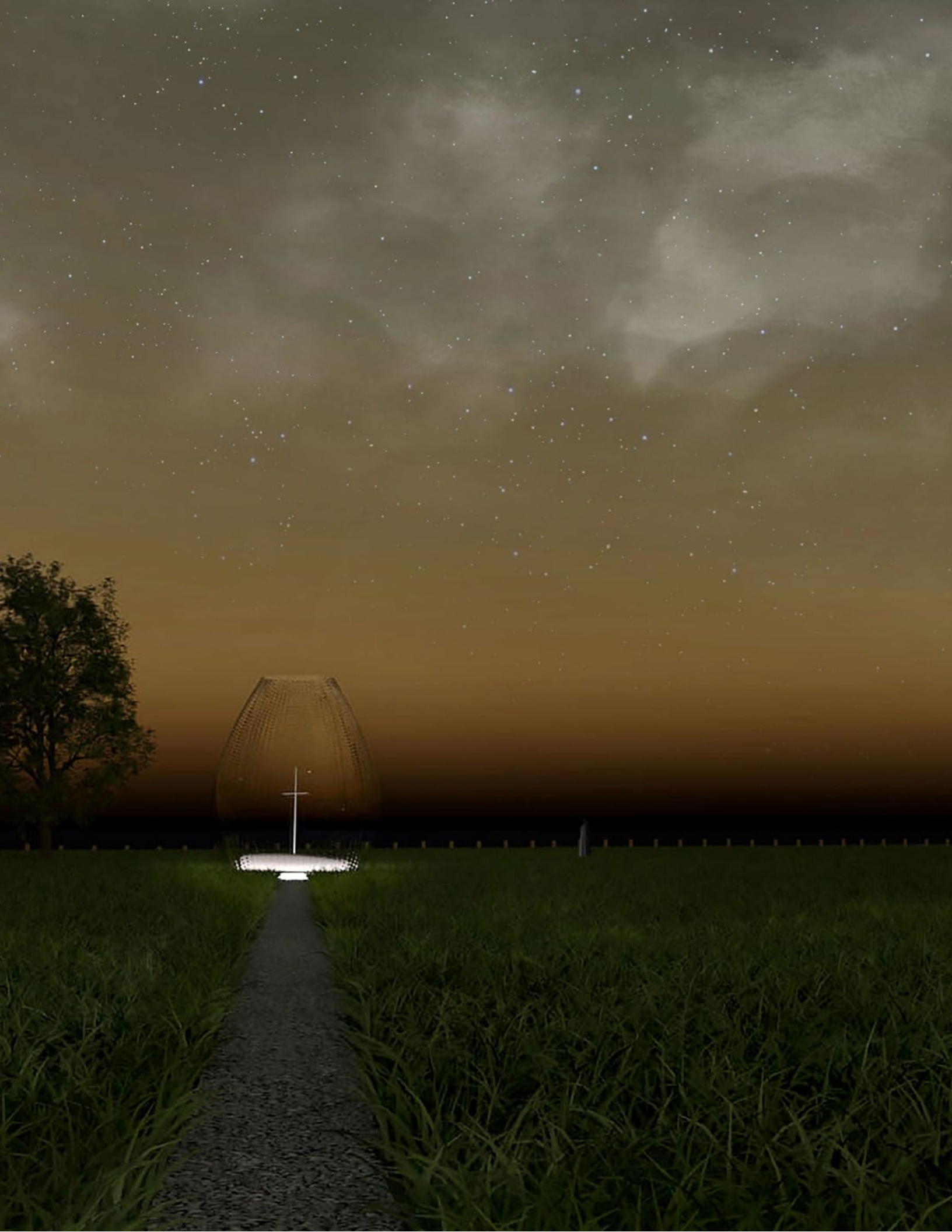
Harbor District Riverfront Signage

Roadside Chapel

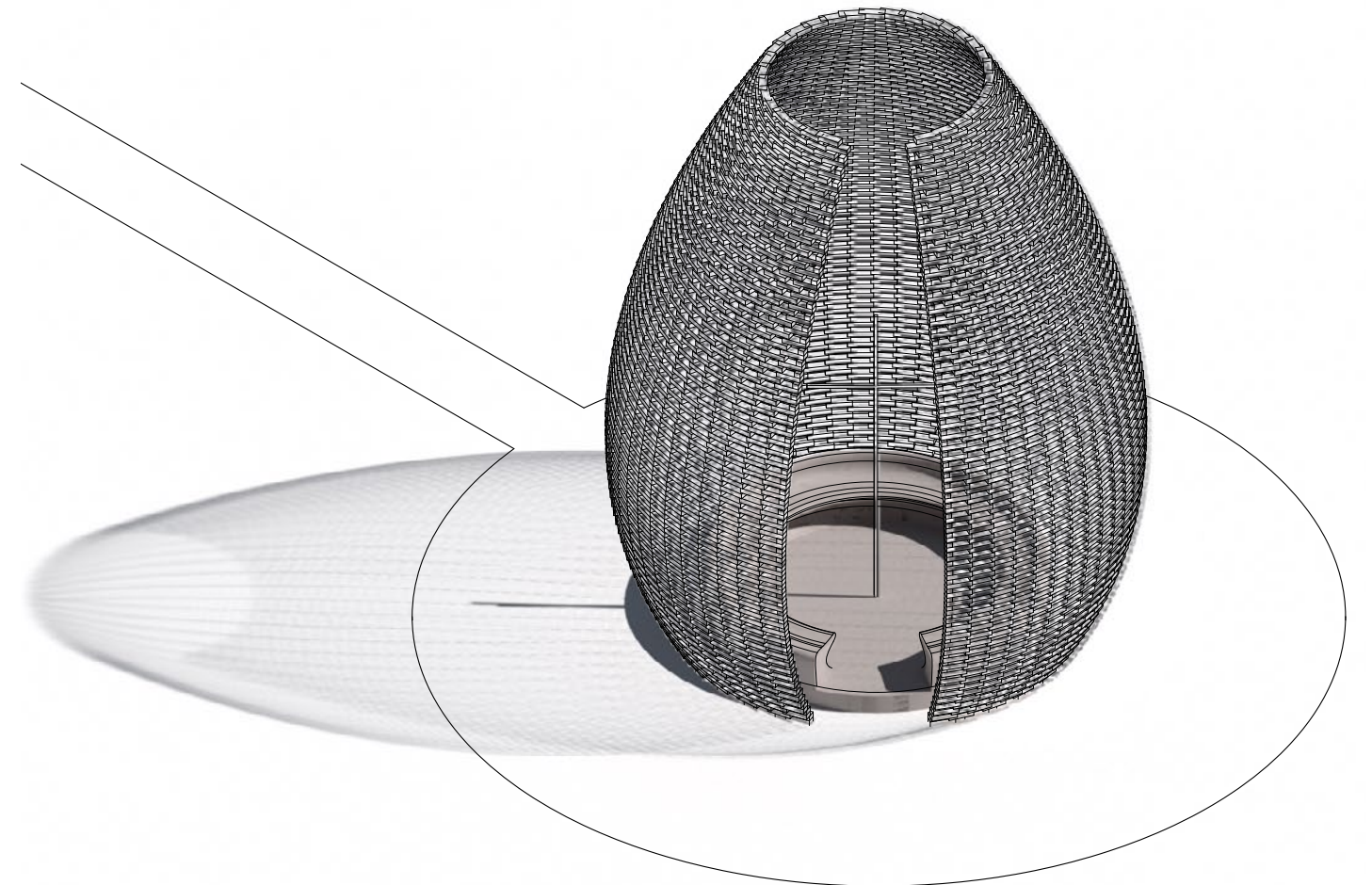
The roadside chapel is an ancient typology created to service those traveling on long journeys in need of quiet spaces to pray and meditate in solitude. The roadside chapel is situated a short distance off a country road in central North Dakota. The glass brick structure is designed to provide a surreal experience while approaching. When sitting within the structure, the glass brick walls distort the view of the landscape but never fully disconnect the person from their context.

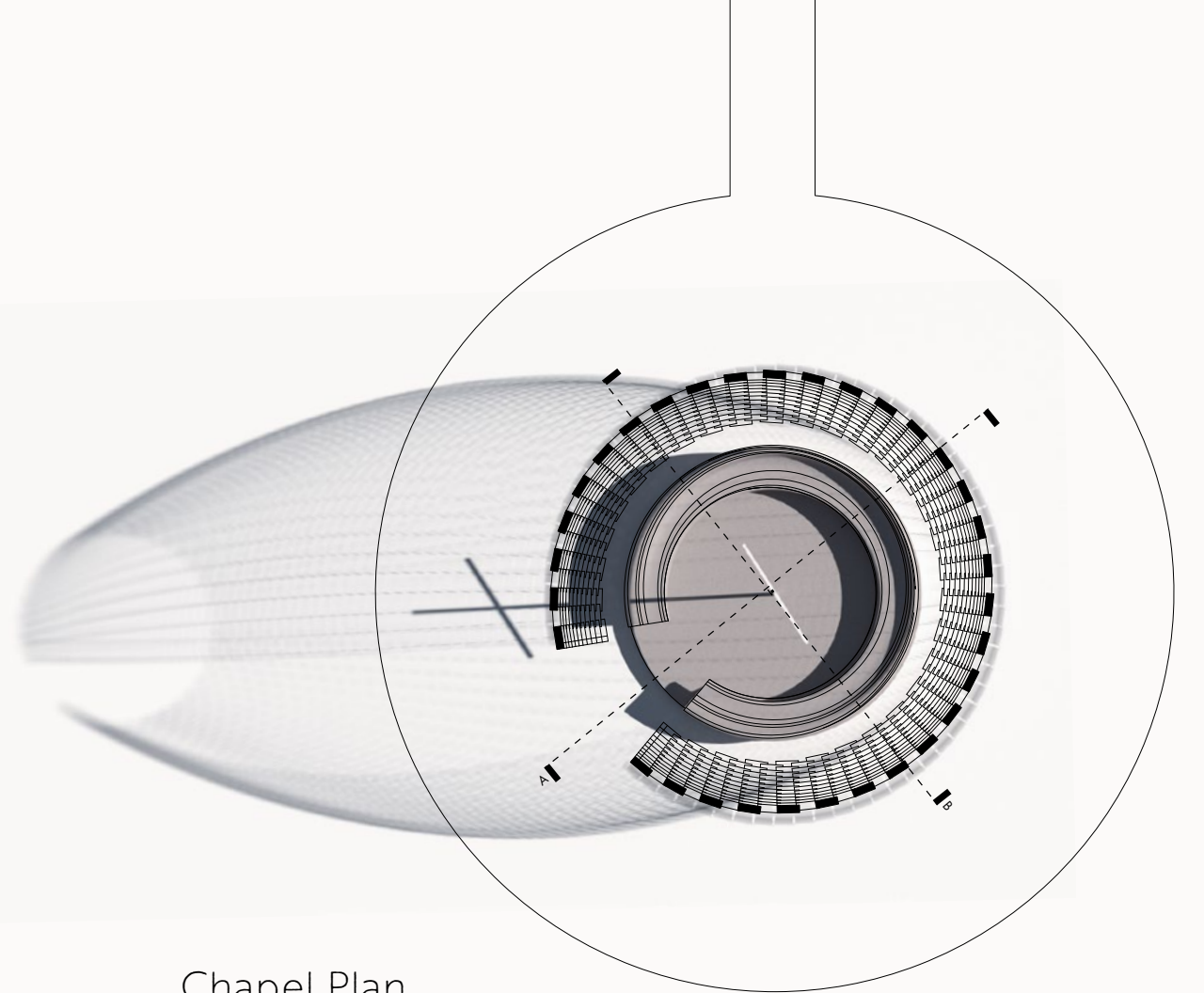
*Professors | Sebastian Schmaling & Brian Johnsen
Fall 2020*



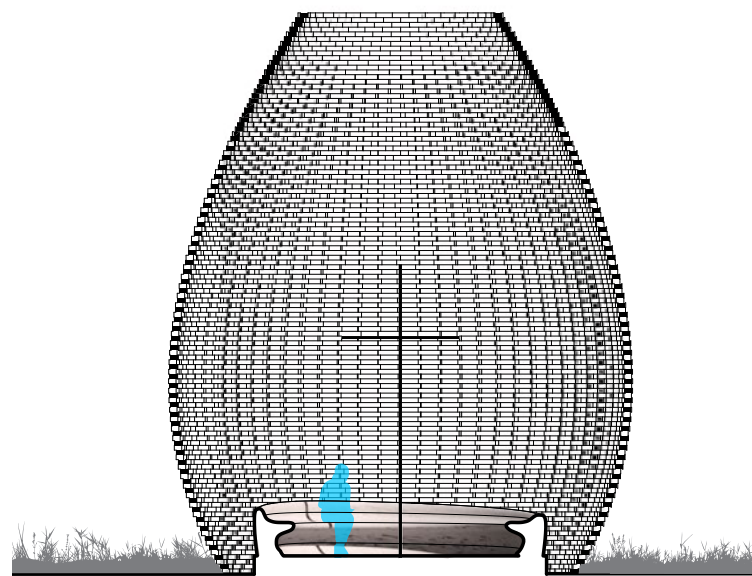


The glass bricks distort people's perspective of the landscape. When viewed through the glass block, refraction, reflection, and opacity slightly shift how we interpret our context. The chapel's refractive distortion of the site nudges the worshiper into deep meditation.

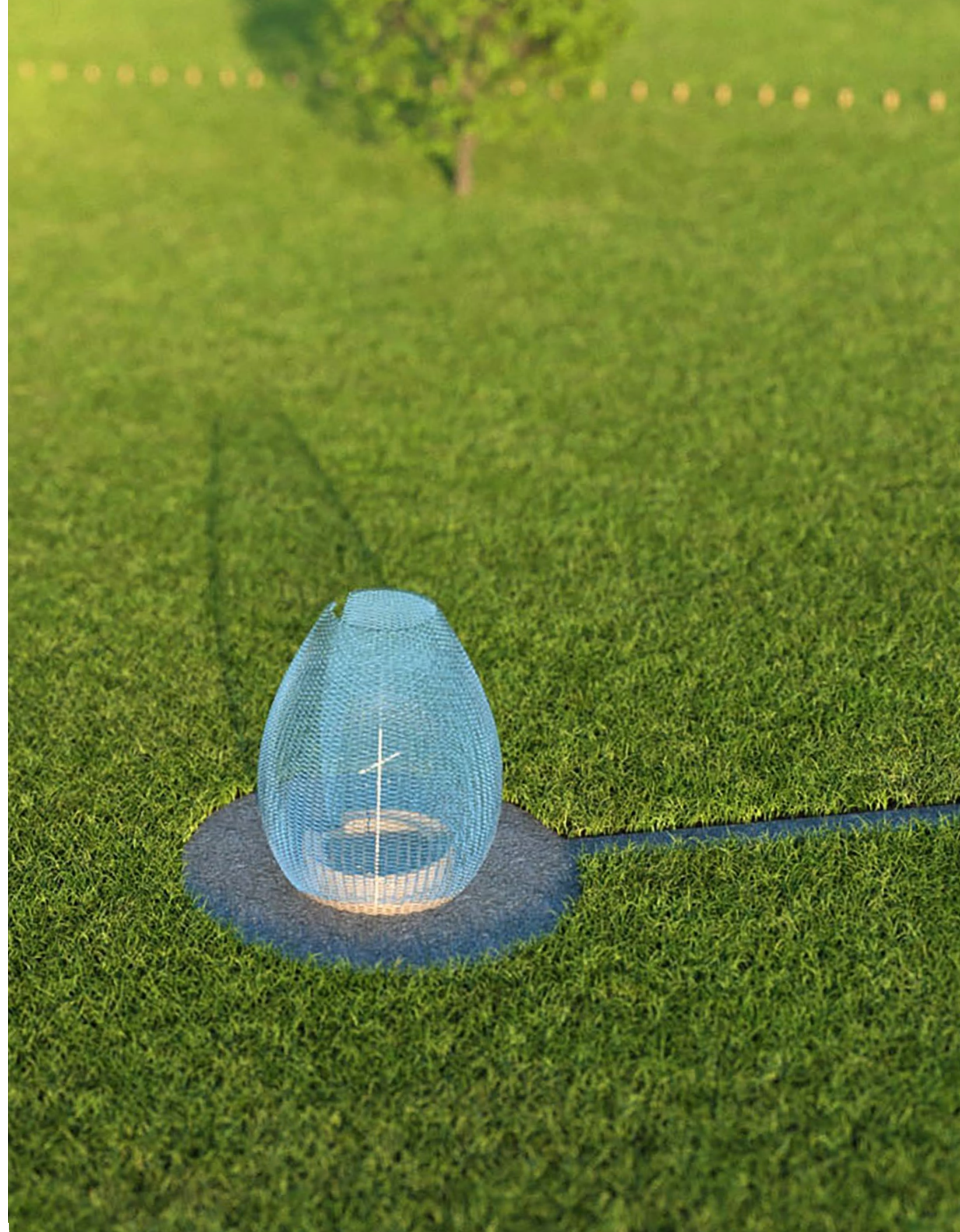




Chapel Plan



Chapel Section



Carthusian Monastery

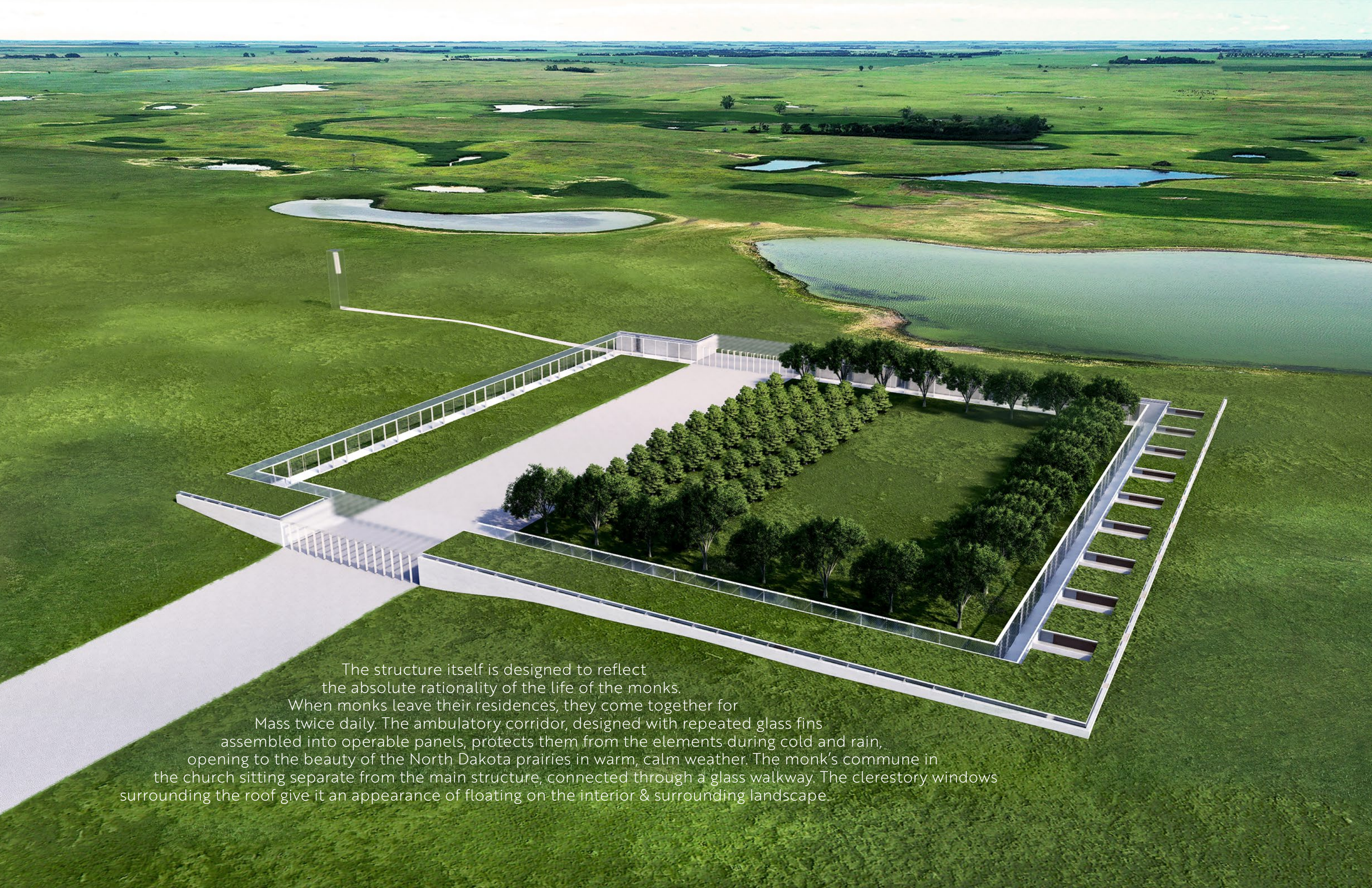
The Carthusians are a Catholic order of monks, brothers, and nuns who spend most of their time in silence. While they live in the community, the Carthusian monks take their meals in their own rooms while they study and pray. This Carthusian monastery resides in central North Dakota and houses eighteen monks and ten brothers. The monk's rooms also referred to as hermitages provide precisely what they need, nestled into a wall, including a bed and access to personal cloisters. These cloisters are smaller courtyards attached to the monk's rooms where monks can grow and tend crops or flowers. Both monks and brothers are committed to lives of simplicity which is reflected in their lives of farming and practicing traditional craftsmanship.

Professors | Sebastian Schmaling & Brian Johnsen

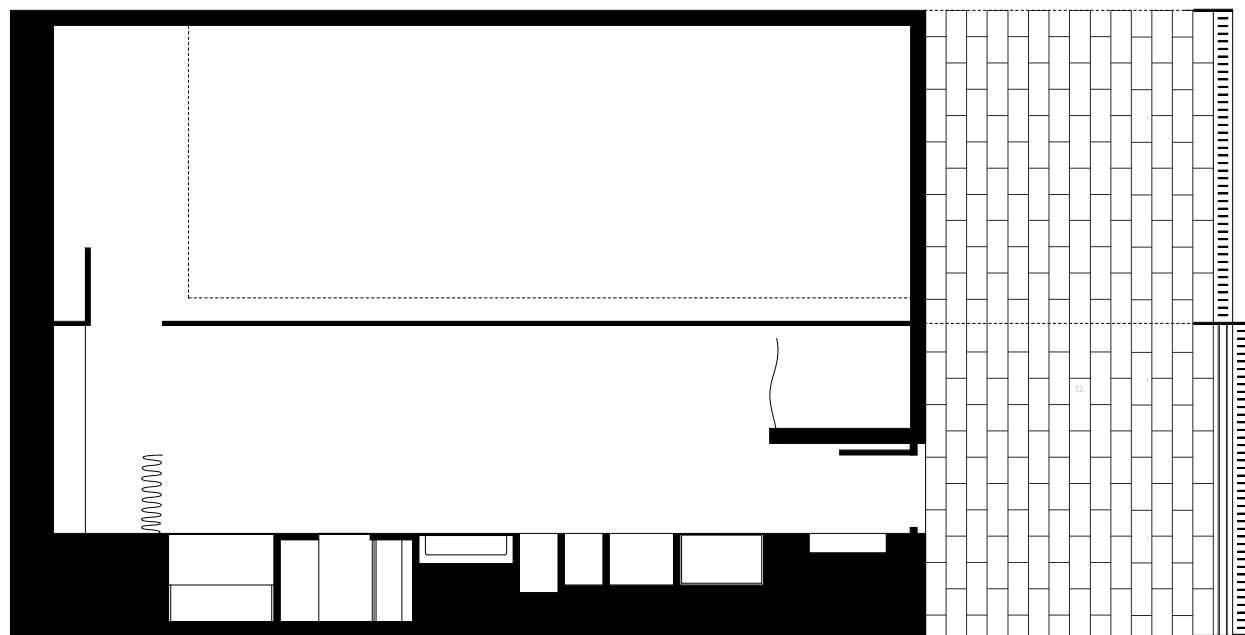
Fall 2020

Partner: Steven Rasmussen - Orthographic Drawings & Models





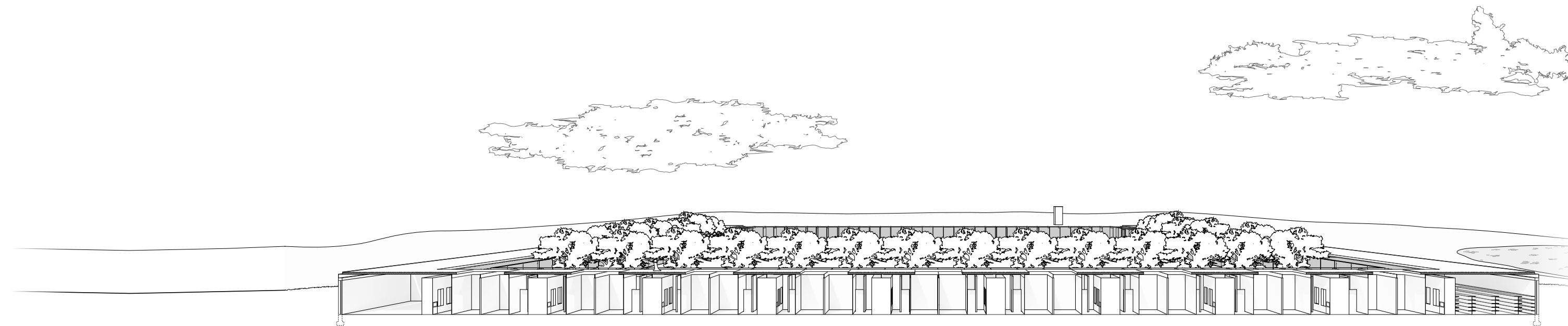
The structure itself is designed to reflect the absolute rationality of the life of the monks. When monks leave their residences, they come together for Mass twice daily. The ambulatory corridor, designed with repeated glass fins assembled into operable panels, protects them from the elements during cold and rain, opening to the beauty of the North Dakota prairies in warm, calm weather. The monk's commune in the church sitting separate from the main structure, connected through a glass walkway. The clerestory windows surrounding the roof give it an appearance of floating on the interior & surrounding landscape.



Hermitage Plan

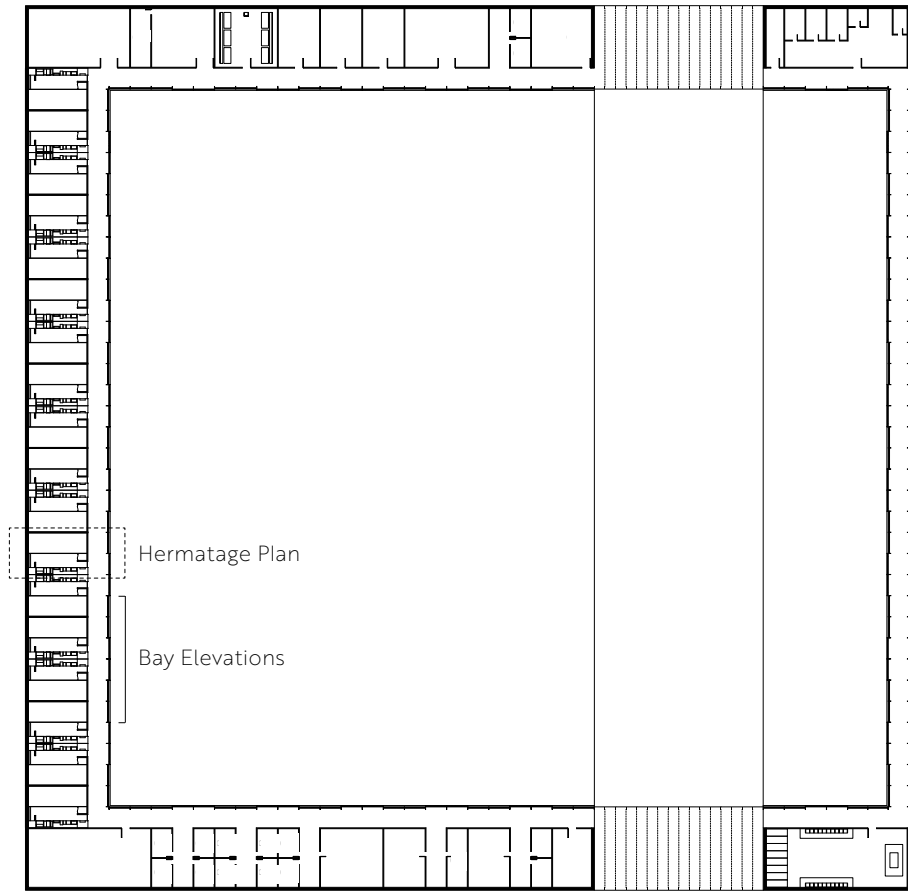


Hermitage Interior

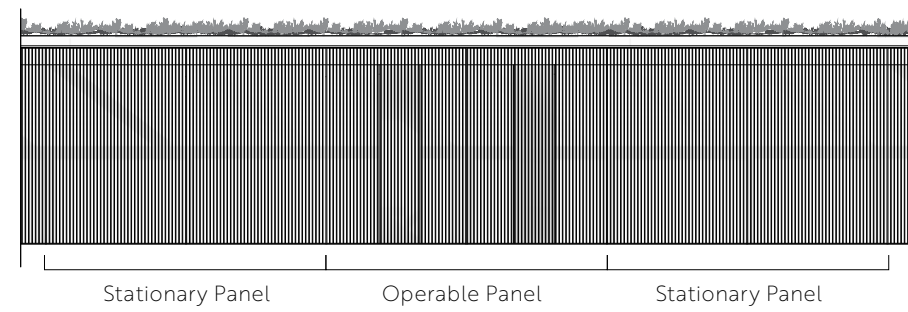


—“Their rooms provide them with exactly what they need, nestled into a wall, including beds and access to personal cloisters.”

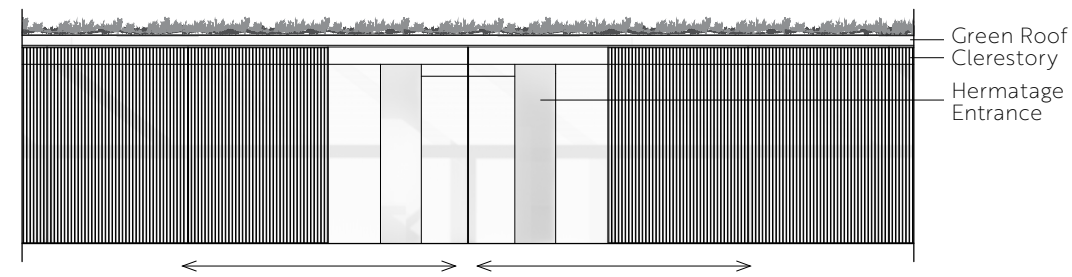
Perspective Section 01 - Hermitages



Floor Plan

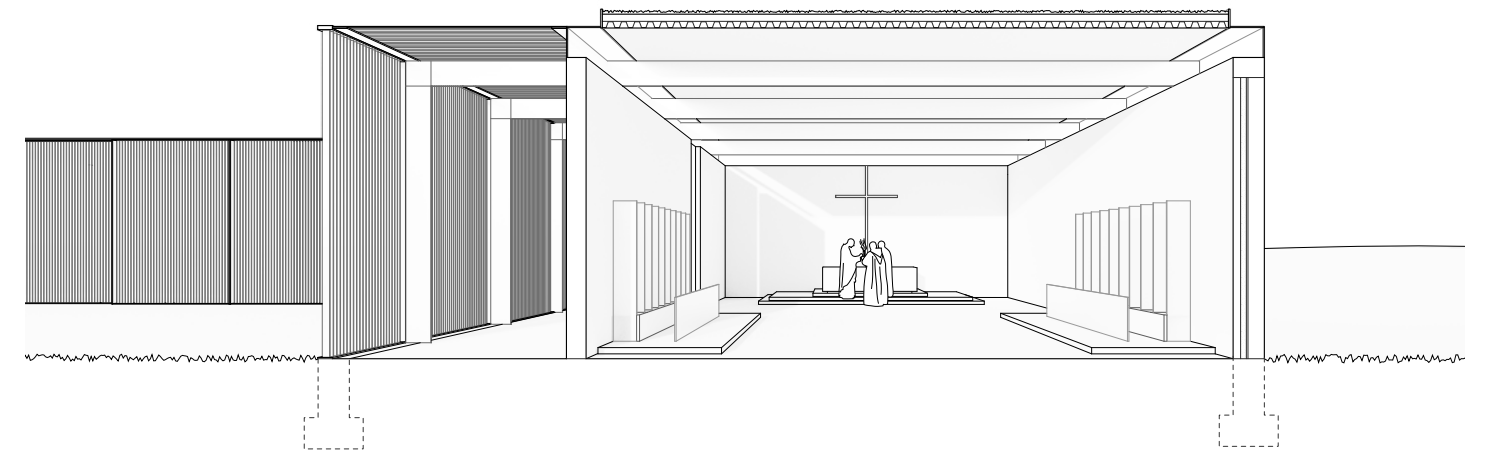


Bay Elevation-Closed Ambulatory

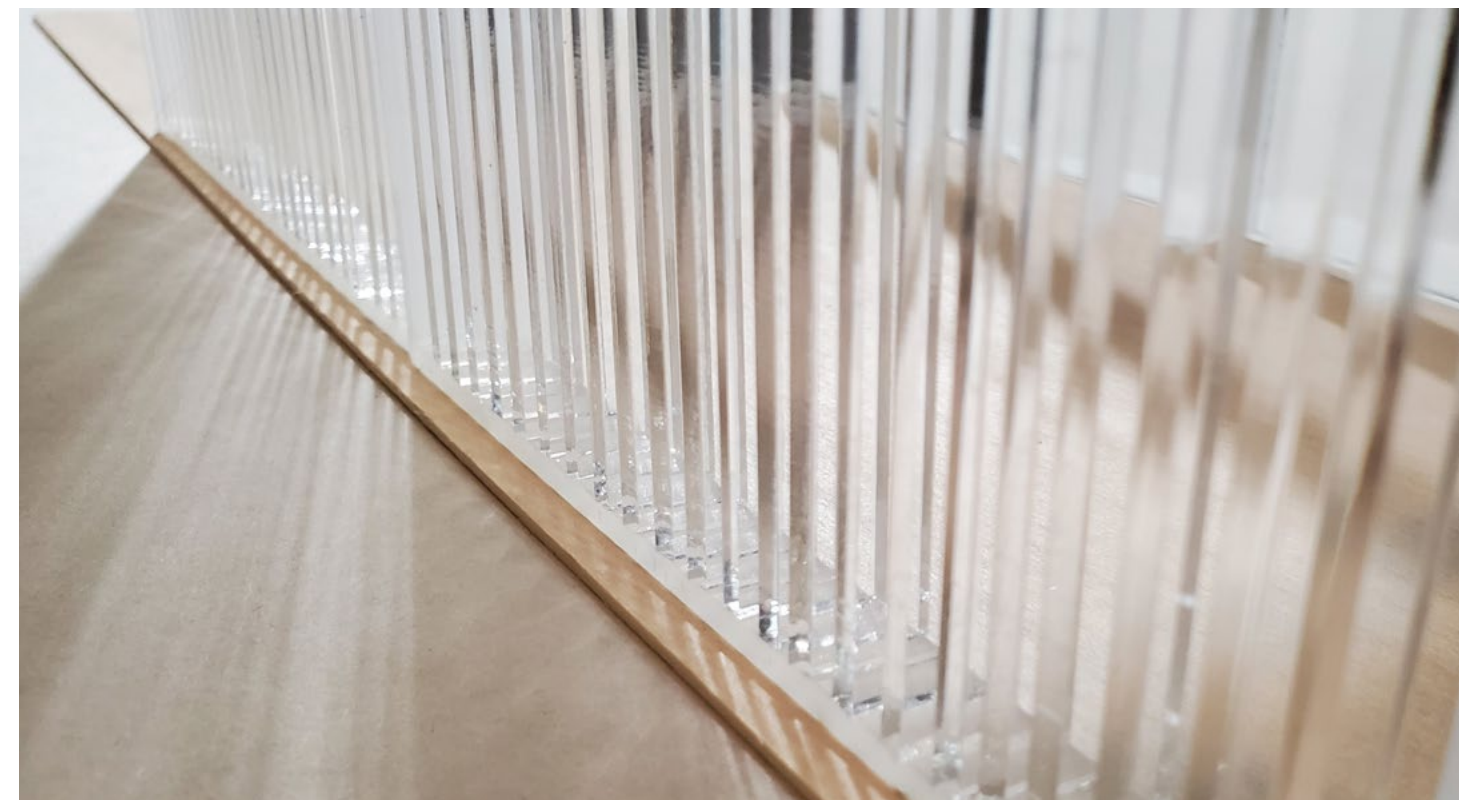


Bay Elevation- Open Ambulatory





Perspective Section 02 - Chapel



Ambulatory Operable Wall Model

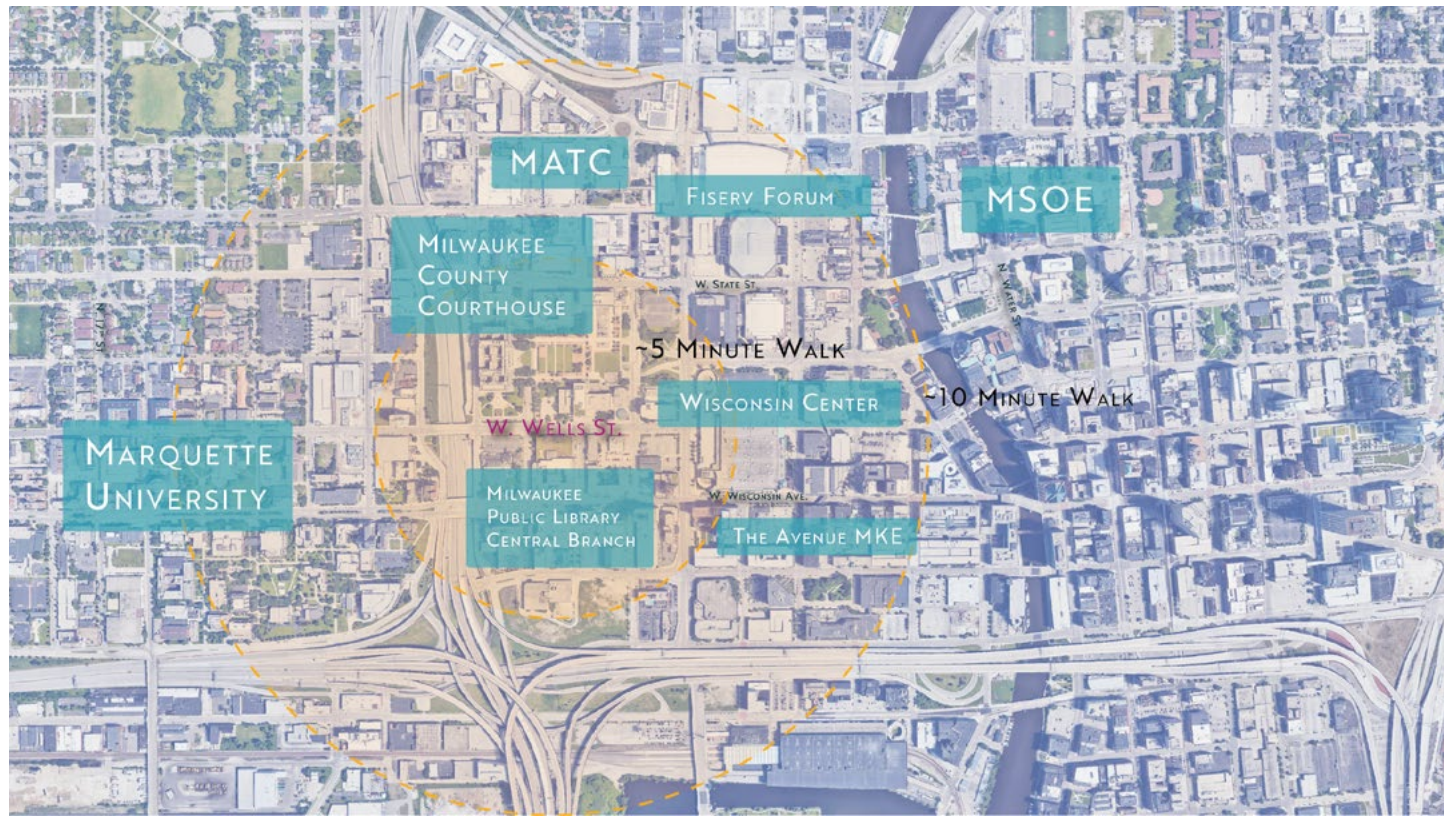
Vert District

The Vert District is a proposal to redesign West Wells Street in West-town Milwaukee. The Vert district will be a vibrant, walkable community rooted in the growing desire of urban residents to access urban farms and fresh produce. New public spaces on Wells Street bridge & a redesigned Clas Park will provide new recreation options for everyone who visits. There are limited grocery options for neighborhood residents and students. An addition of a large chain grocery store to the neighborhood will increase food access for West Milwaukee.

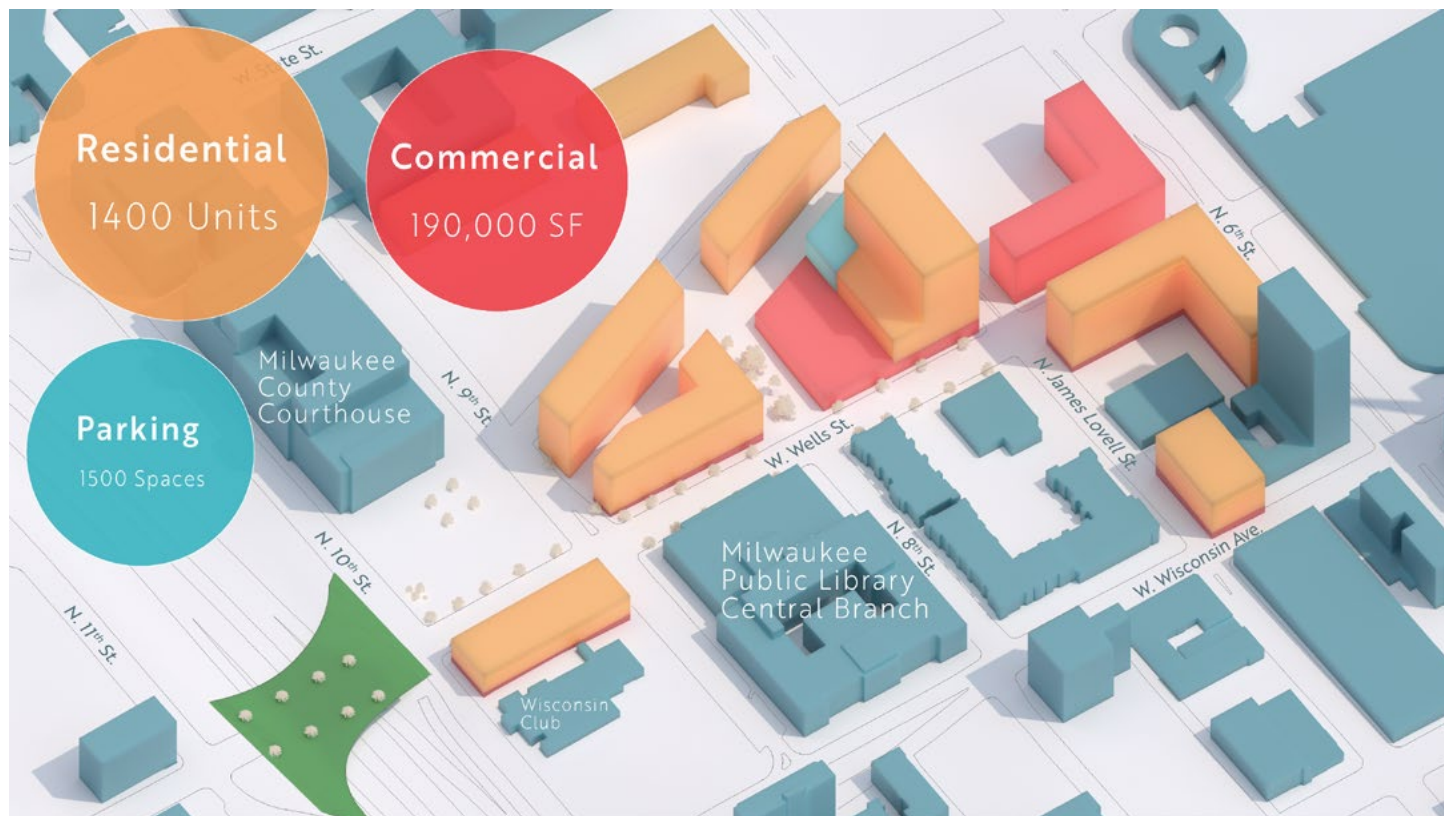
The expanded Wells St. Bridge connects Marquette to West town & the future renovation of MacArthur Square. Since the bridge is a crucial connection over the I-95 freeway, the expansion looks to add new safety & traffic calming measures. The bridge adds green space to the area where farmer's markets and night markets are held throughout the season. The bridge features swings, picnic areas, chess tables, and walls where murals by local artists will be displayed.

*Professor | Carolyn Esswein AICP Fellow CNU-A
Spring 2021*

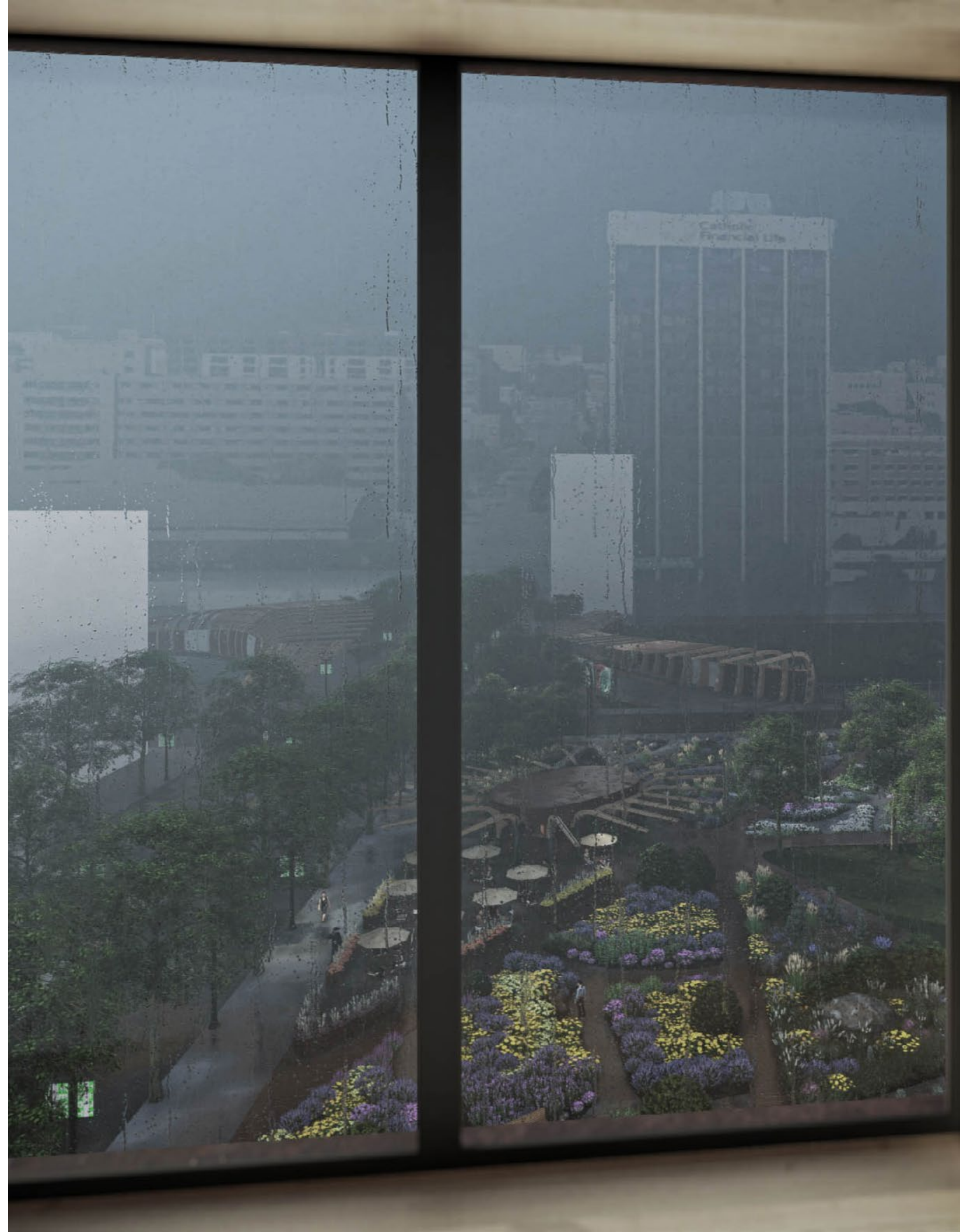


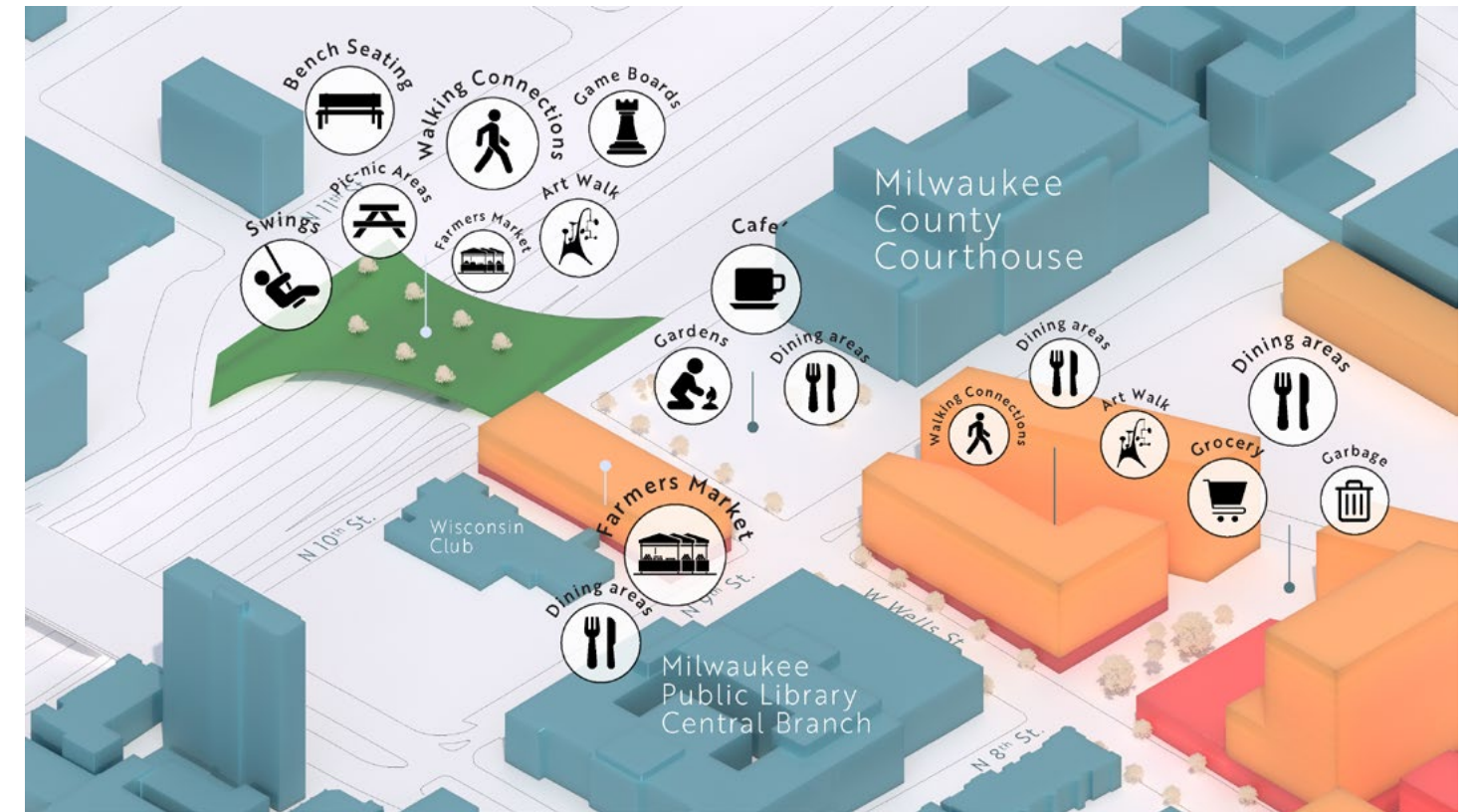


Project location + Important places



Project Massing + Land Use

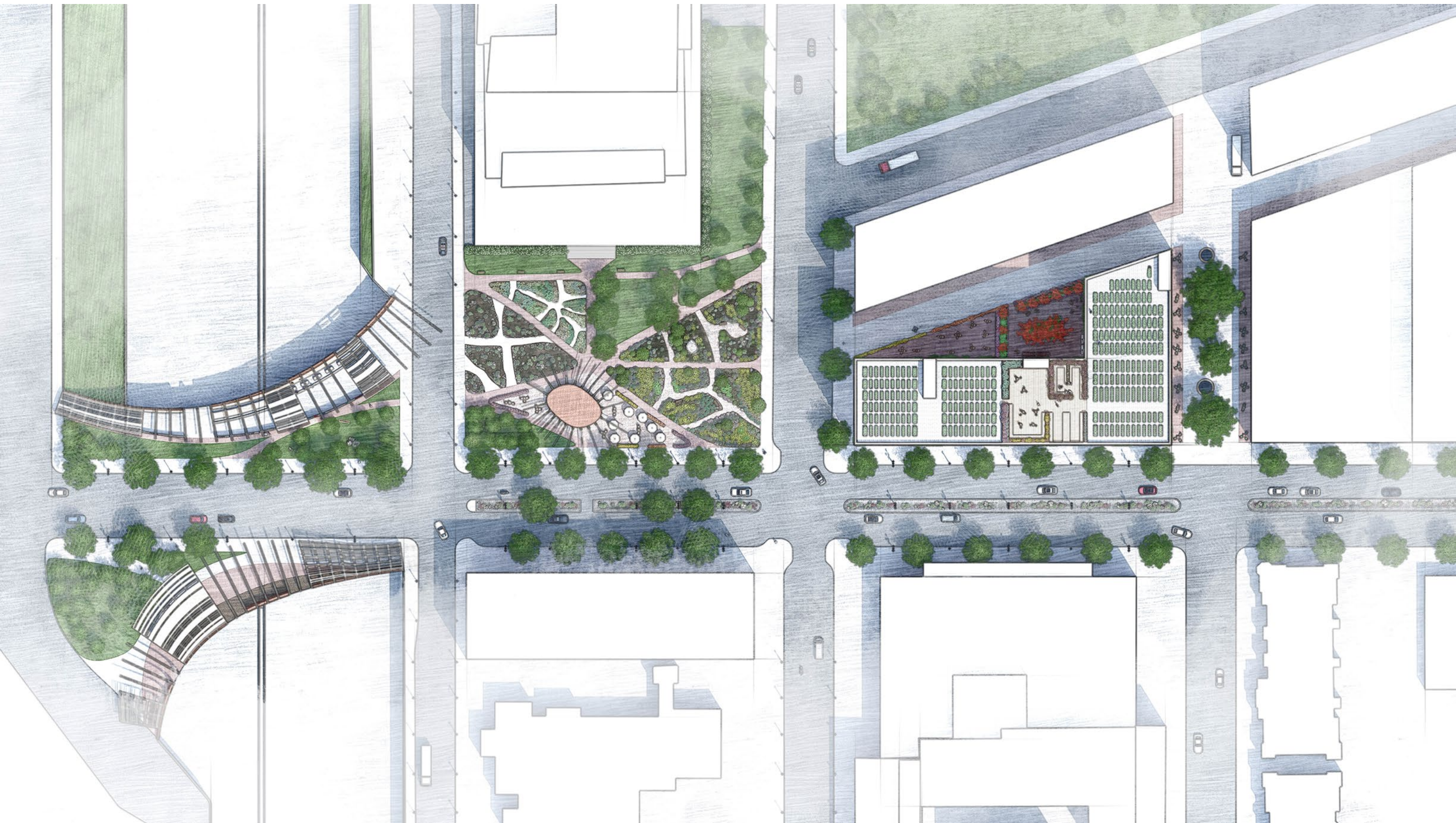




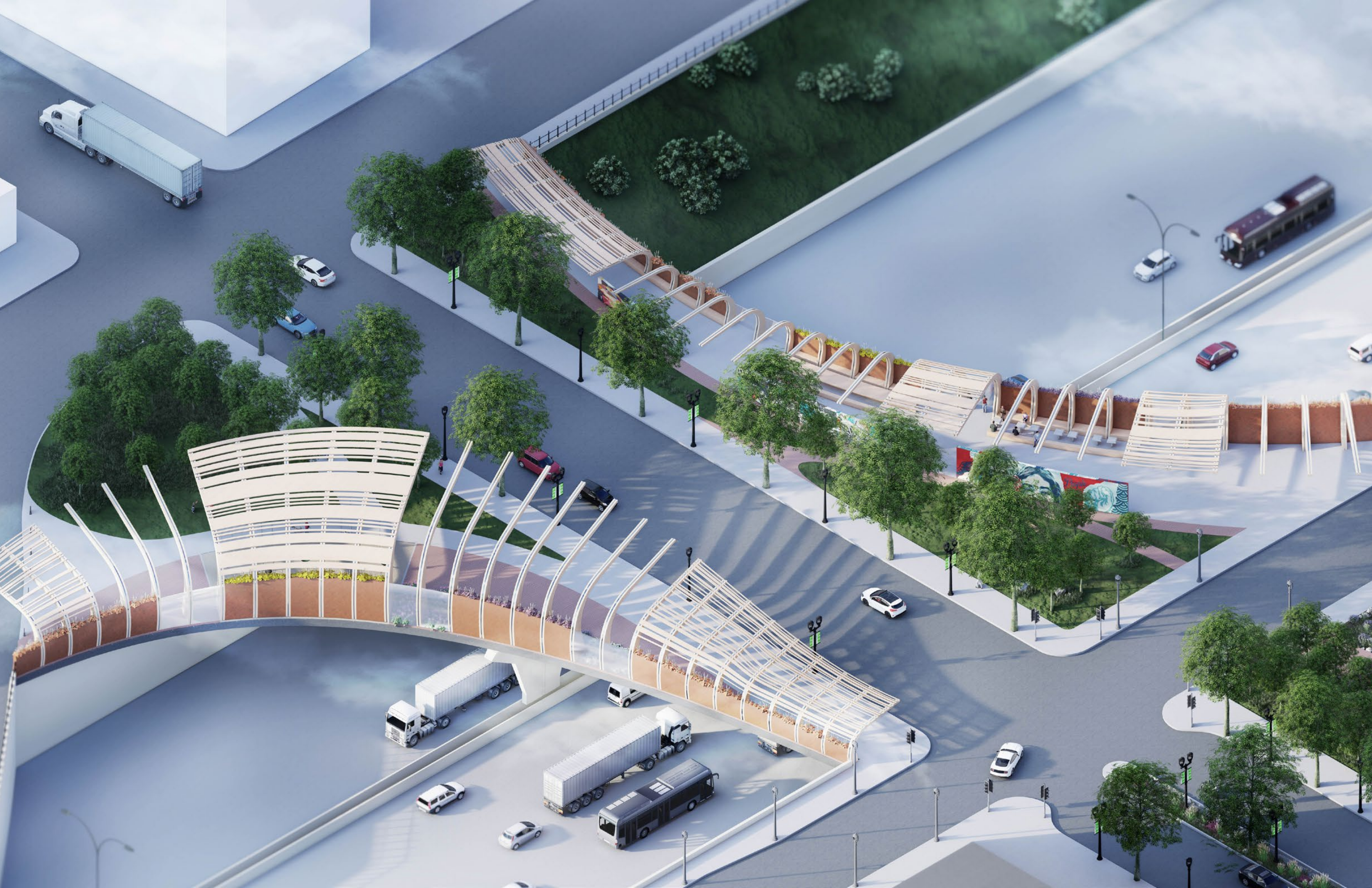
Activity Diagram

A few blocks down the street, Clas Park lies at the steps of the Milwaukee County Courthouse. A redesigned Clas park features a Café sponsoring local coffee roasters and a bakery. Gardens within the park will educate visitors on wildlife and plant species native to the area. The park can offer programs to the Milwaukee Public Library.

Representatives from Milwaukee’s Department of City Development and the downtown BID commented on the proposed district’s vibrancy and feasibility regarding bridge construction and greater access to various food options.



Vert District Site Plan

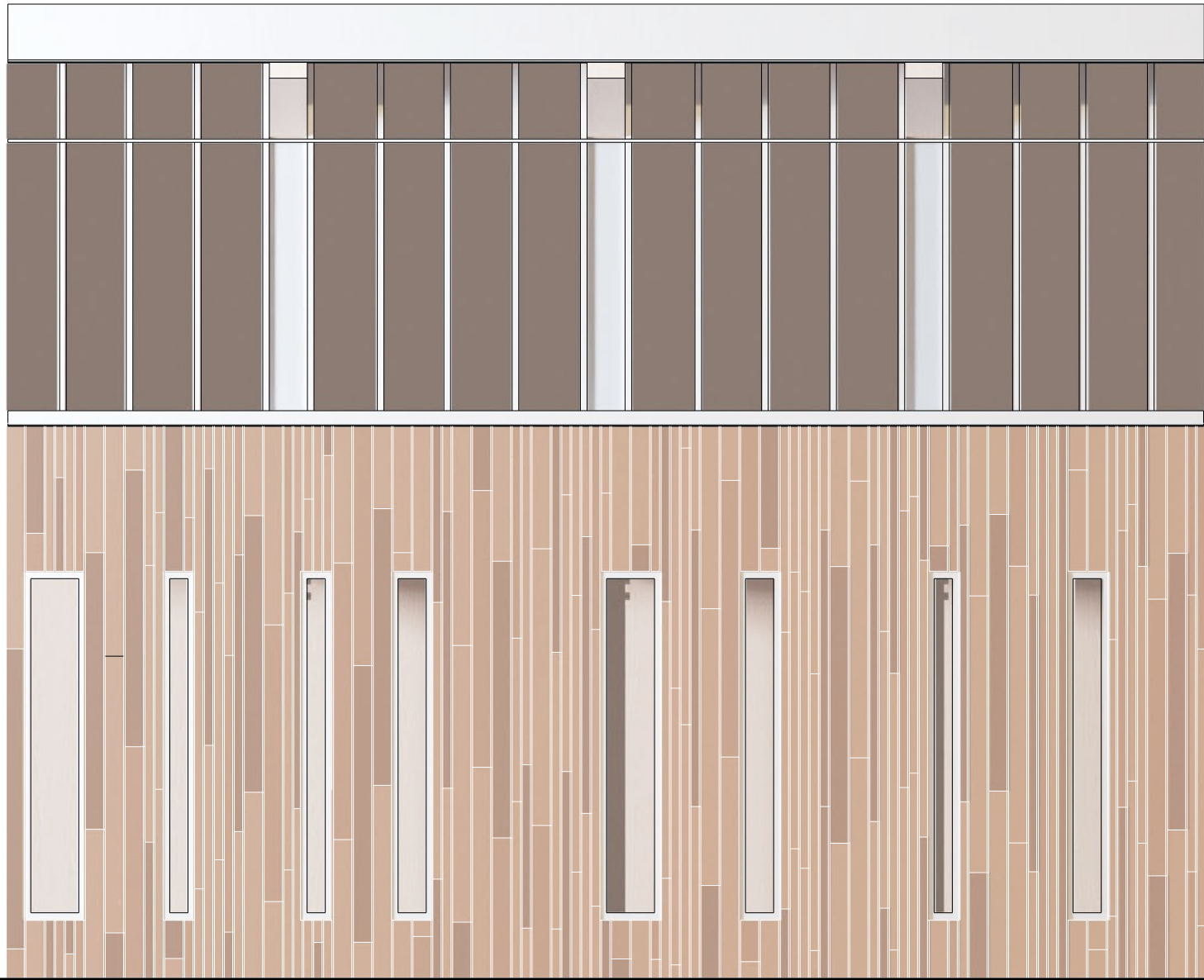


Metal on Laminated Timber Frame

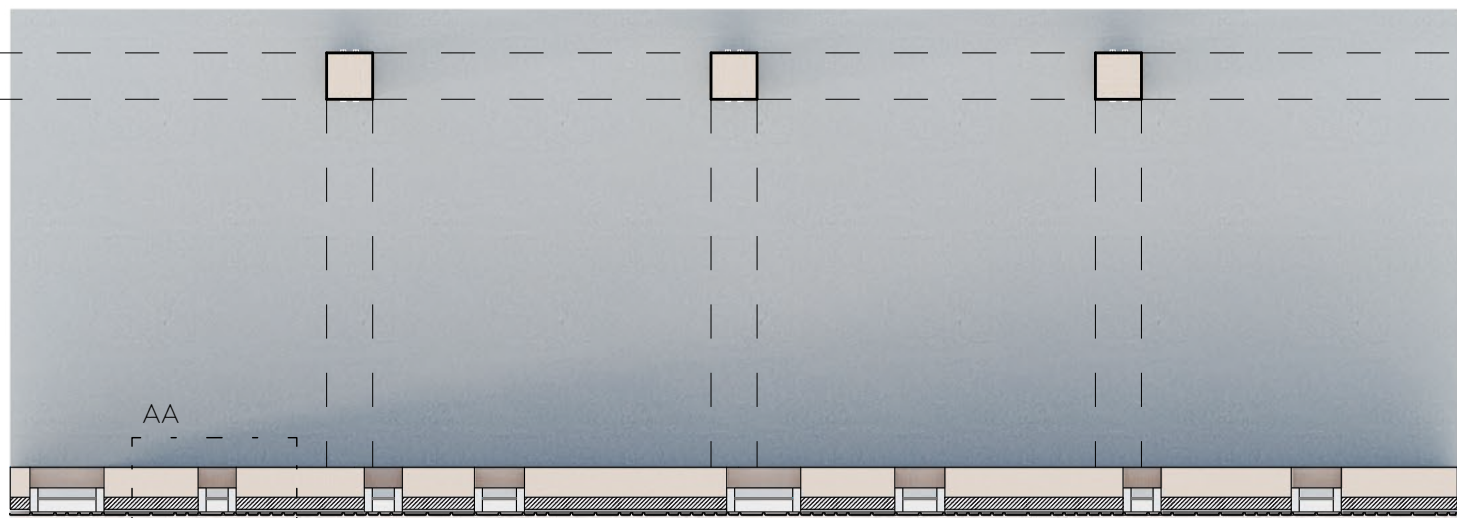
This exercise demonstrates a practice of building tectonics and construction. The project details a bay of a church constructed from Cross Laminated Timber and Glu-lam beams, clad in copper metal return and reveal panels.

*Professors | Jim Shields
Fall 2021*

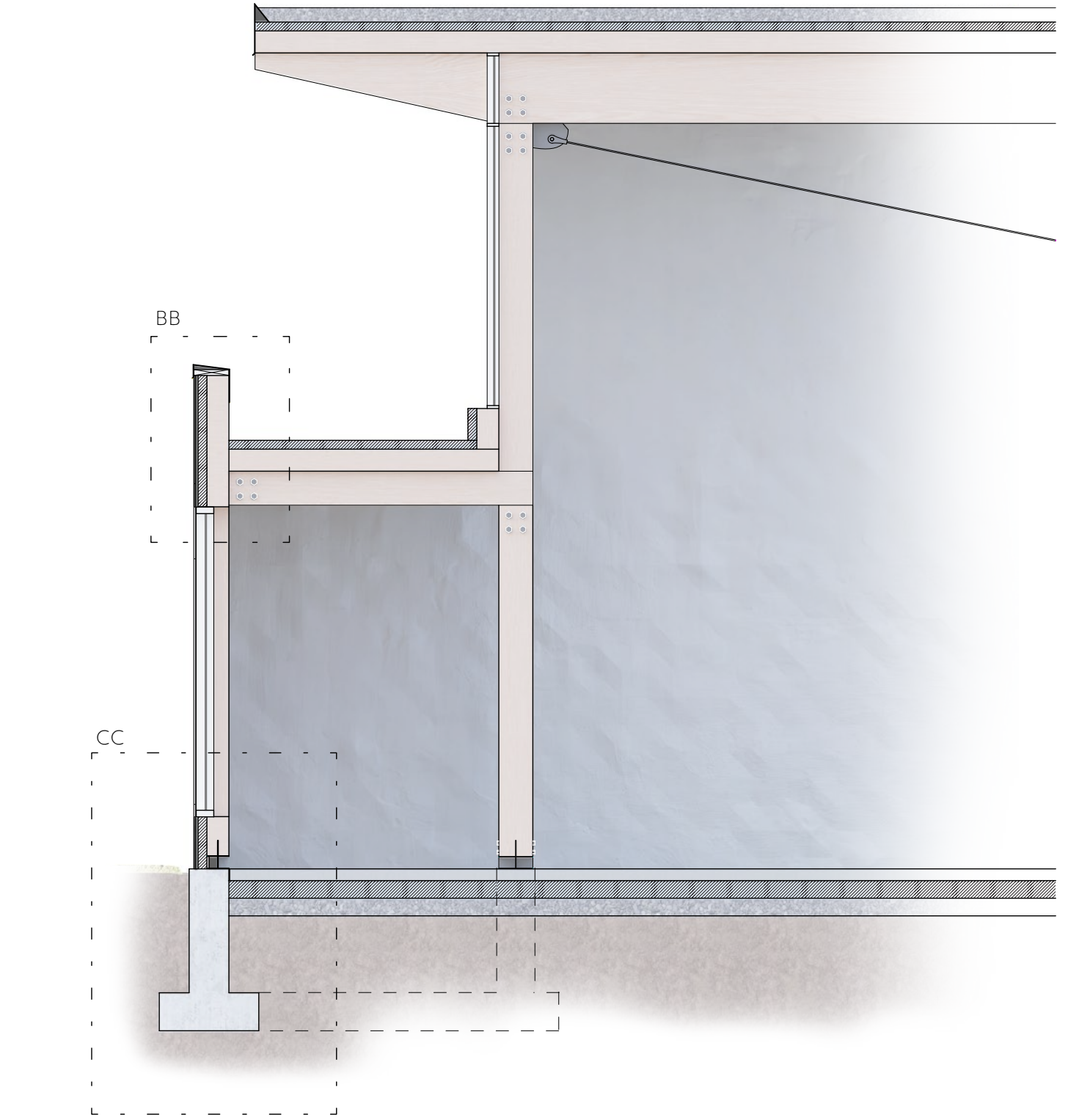




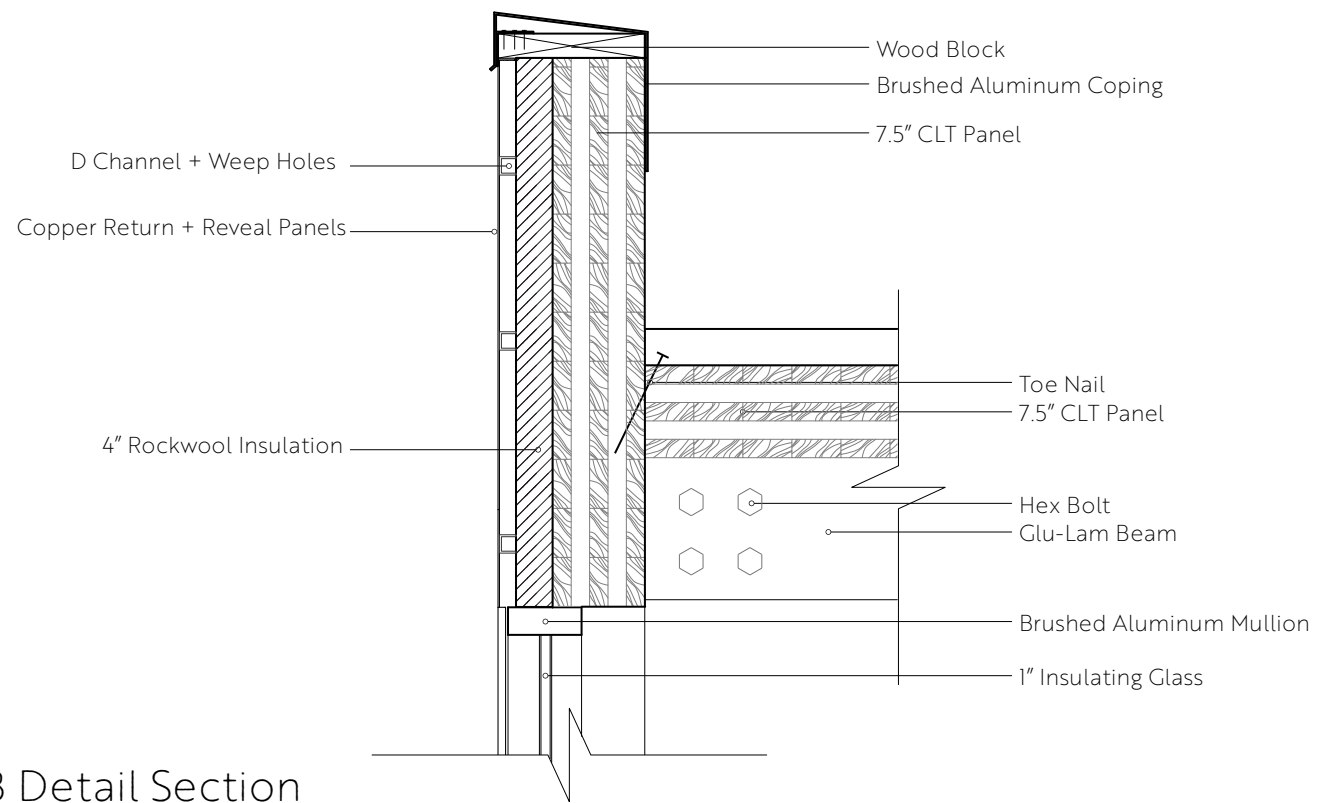
Bay Elevation



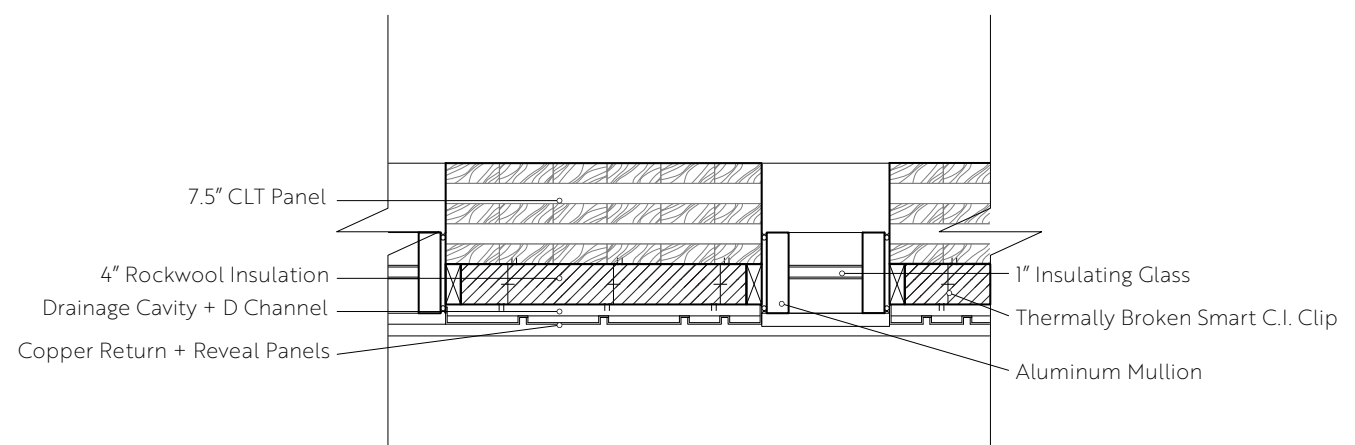
Bay Plan



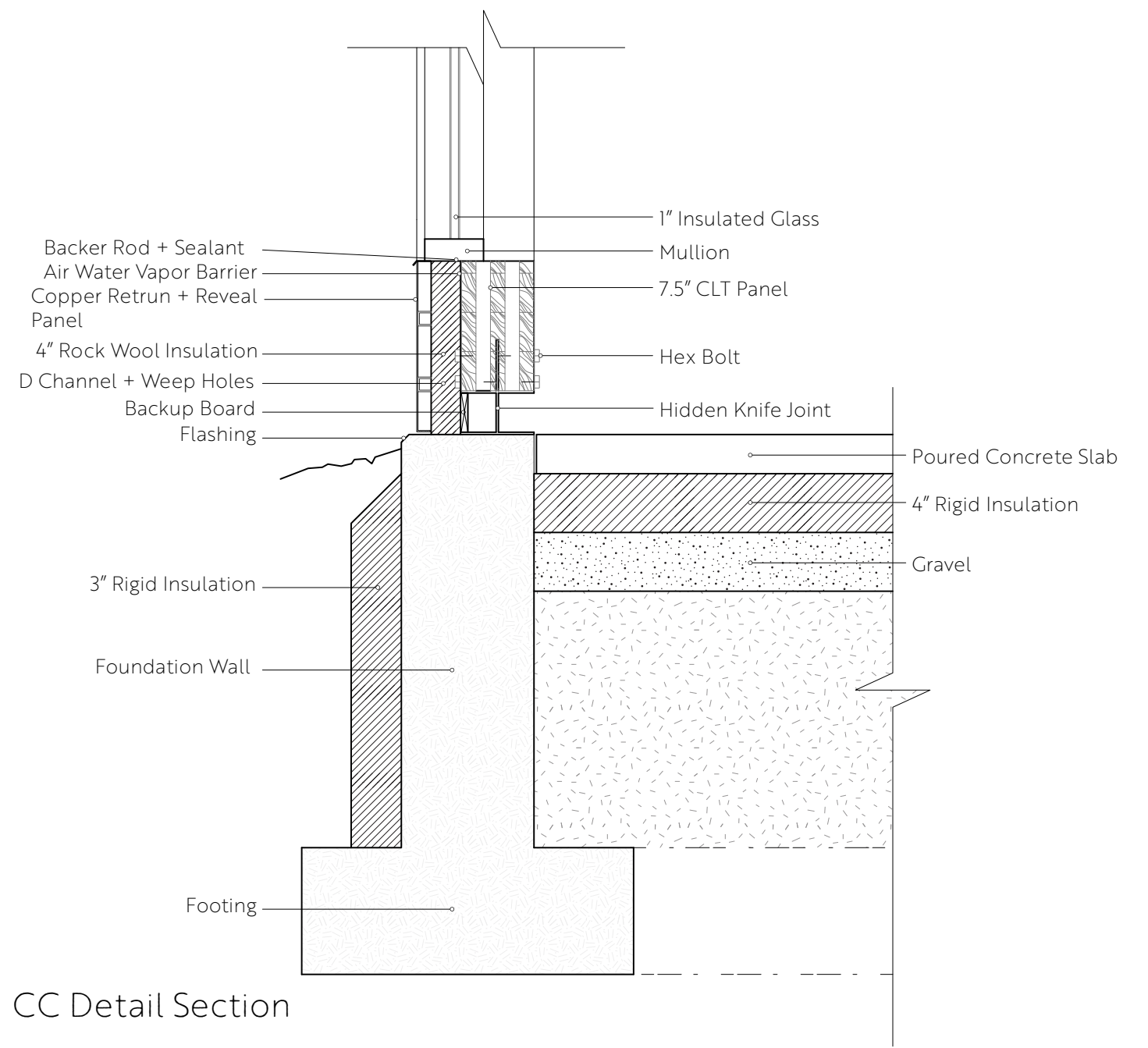
Bay Section



BB Detail Section



AA Detail Section



CC Detail Section

Harbor District Signage

As Milwaukee continues to expand the Harbor District neighborhood, the new river walk will connect residents from the Third Ward to the south side of the Walkers Point neighborhood. In order to facilitate safety and inform pedestrians along the new river walk, the following three signs can be implemented to provide map, way-finding, and mile marker information. These are an exercise in providing attractive and cohesive urban design infrastructure on a detailed level.

Professors | Sebastian Schmaling & Brian Johnsen

Fall 2020

Partner: Steven Rasmussen - Orthographic Drawings & Models



Mile Marker



Way Finding Sign



Map Sign

