



SIDEWALK POD

An Open Space Kit of Parts for Any Season



Introduction

In these unfamiliar times, outdoor spaces have transitioned into much-needed venues for dining and retail opportunities to help maintain current social distancing guidelines. These spaces also provide customers with a greater sense of ease and comfort in a time that health and safety are top of mind. As we continue to navigate through the pandemic — and what’s ahead for the future — we need to ask how usable will these spaces continue to be as we transition seasons?

Even as people become vaccinated and cities open up, will customers still feel safe to gather together? Now more than ever, Owners and Operators need creative and adaptable solutions to enhance the use of outdoor spaces throughout the year. On the positive side, there are classic architectural practices, as well as environmental design strategies, that can help extend the use of these spaces.

The ability to adapt properties to take advantage of climatic conditions is no longer a “nice to have” opportunity but a necessity to stay in the market. With greater reason, creativity and innovation are key factors that will help drive success in the commercial real estate industry.

The Benefits of Open Space Design

As the industry continues to transform, CallisonRTKL in collaboration with the ASTOUND Group, is uniquely positioned to help your company assess a range of options to strategically position your outdoor commercial spaces.

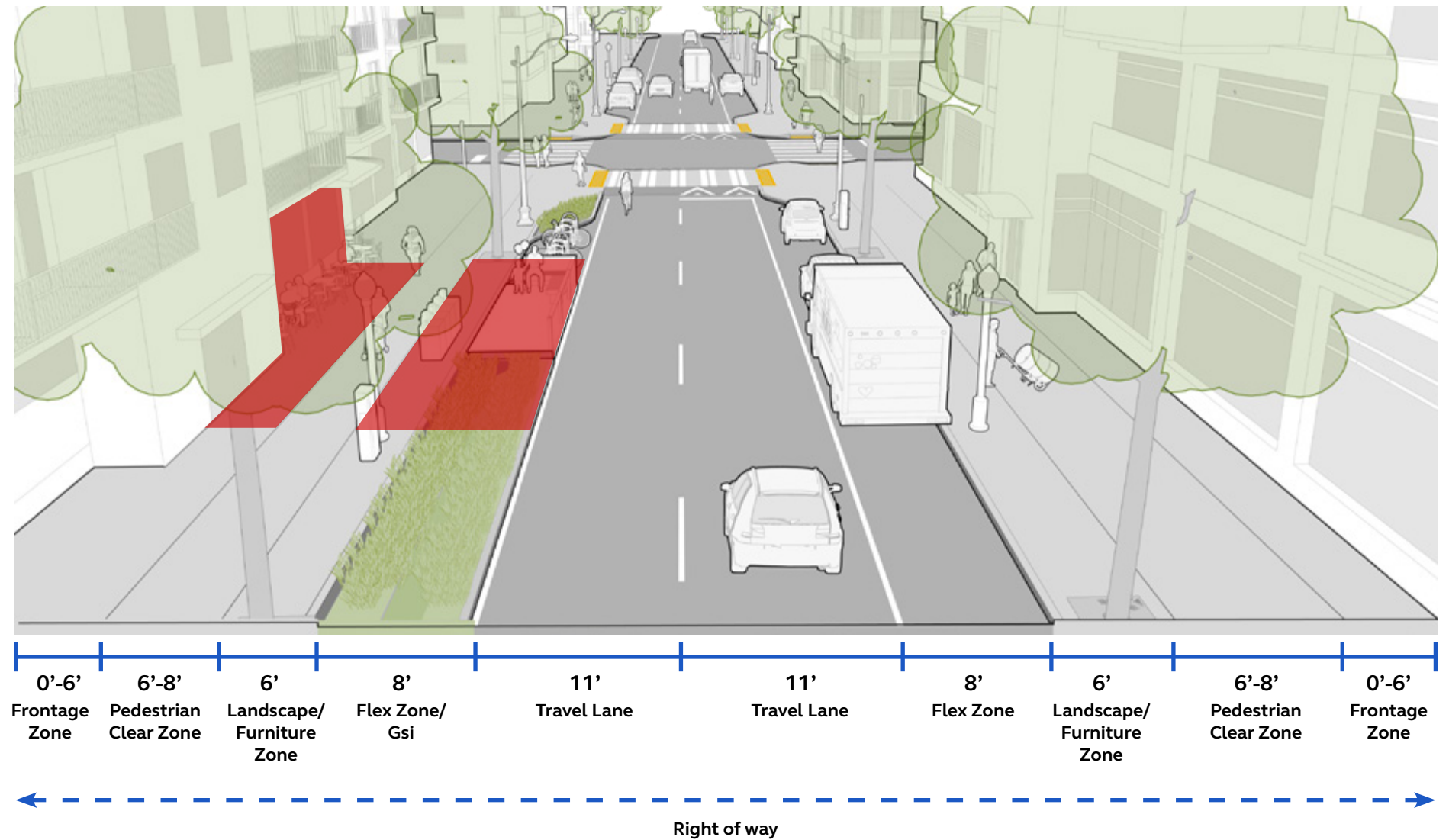
Our broad experience and global reach with developers, retail brands, and industry-leading corporations is unmatched. Over the years, we've designed a wide range of solutions for clients including Macy's, Hines, Brookfield Properties, Ivanhoe Cambridge, Holland Partners and PREIT.

Drawing upon our well-rounded expertise in sustainability, master planning, retail, commercial mixed-use, and branding, we can transform outdoor spaces from summer to winter—creating unique customer experiences that respond to evolving needs and market trends.



Urban Street Environment

The target site location is on a typical urban street curbside at the frontage to a retail or restaurant establishment. Many municipalities allow for uses within the street flex zones and sidewalk landscape/furniture zone. This becomes an ideal location for locating the POD and expanding the footprint of their frontage.

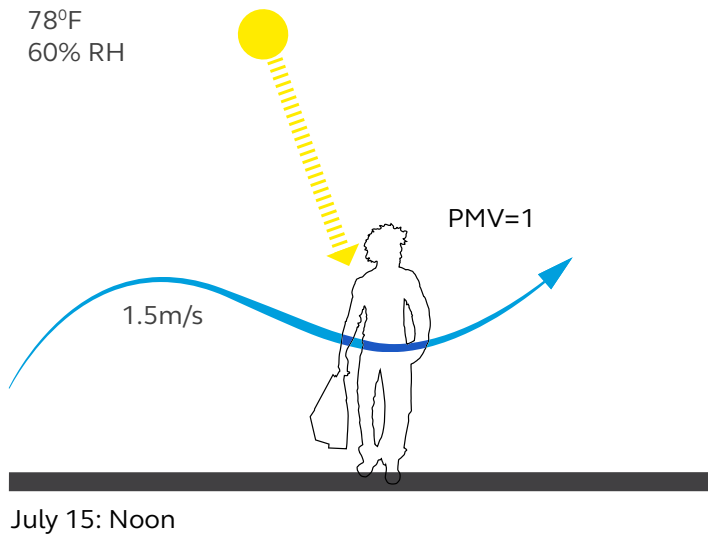


Climate Considerations

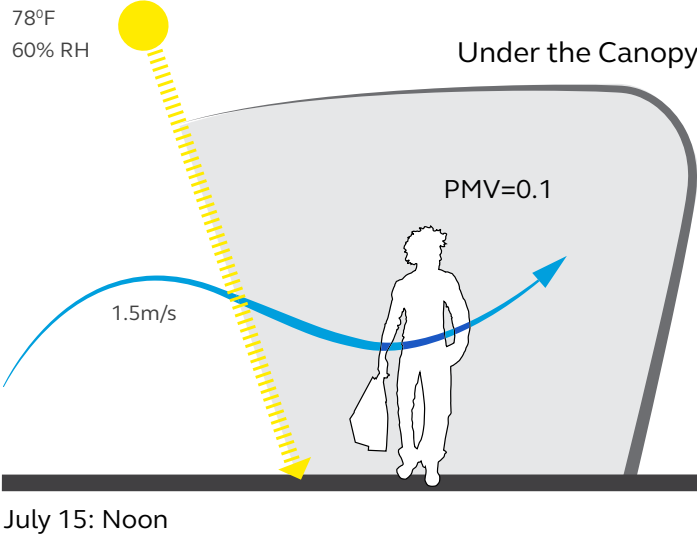
The key to providing comfortable outdoor spaces throughout the year is to develop effective strategies to deal with climatic impacts to thermal comfort. Multiple variables affect thermal comfort, such as air temperature and velocity, solar radiation and precipitation.

For example, providing overhead shading on a hot sunny day can reduce thermal stress while providing air flow and evaporative cooling, while providing transparent wind screens on a cold winter day can reduce thermal stress while providing light and solar radiation. As designers we can affect the climatic variables that impact thermal comfort and thus extend the use of outdoor spaces beyond the summer months.

Summer

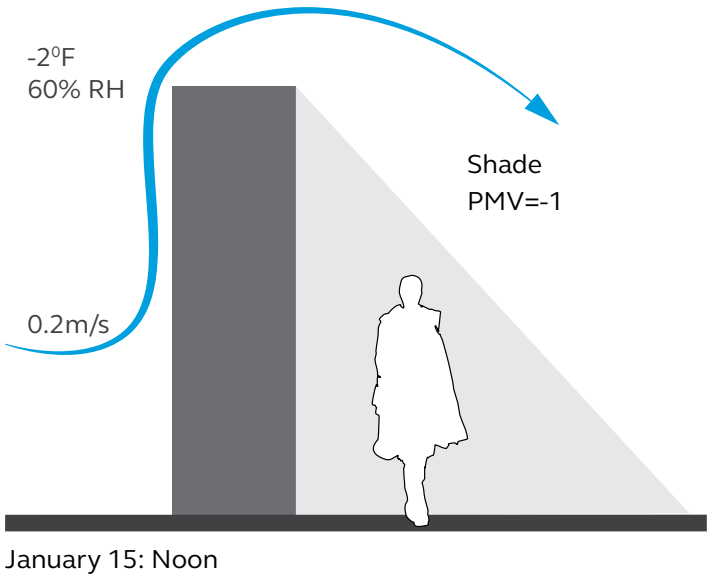


Moderate Heat Stress

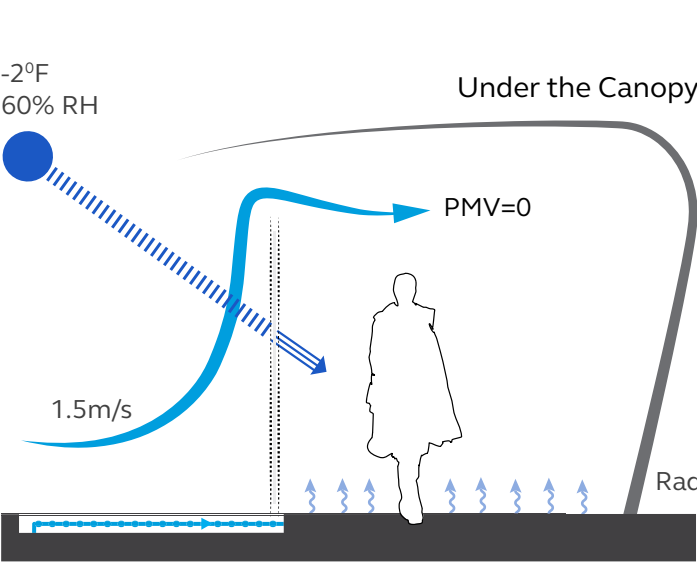


No Thermal Stress

Winter



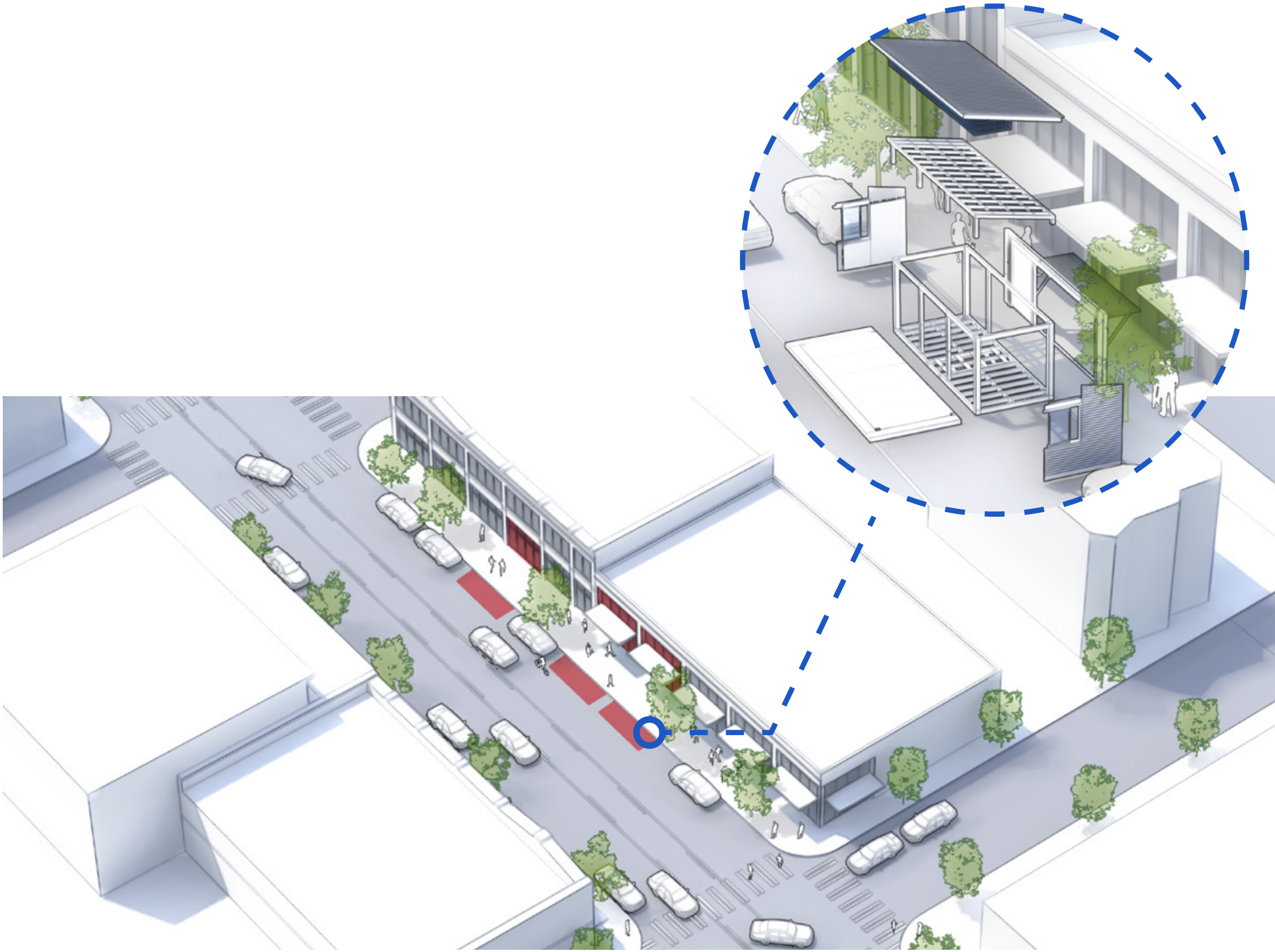
Moderate Cold Stress



No Thermal Stress

The Opportunities

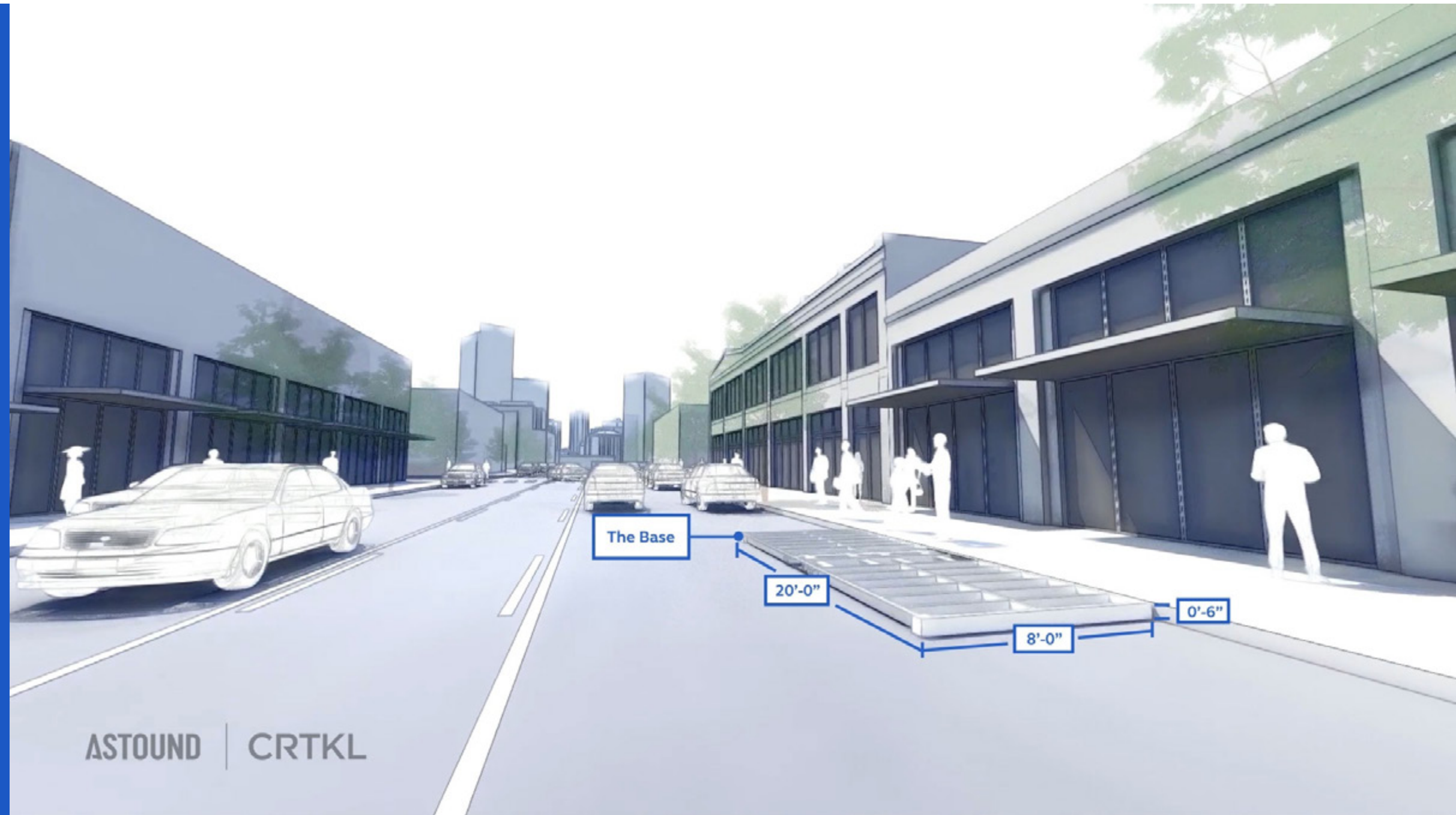
With municipalities adjusting regulations to accommodate broader sidewalk uses, targeting the zone in current parking spaces allows for a comprehensive presence outside of the establishment building footprint.



The Base

The base of the POD is comprised of a lightweight, prefabricated modular structure designed to fit within most urban curbside parking zones. The size and weight allow for easy transportation and set-up.

- 8'x20' modular platform fits within standard curbside parking zones.
- Stable, lightweight base made of light-gauge structural steel.
- Easily transported to site on flat bed trucks.



The Base

The Frame

The Roof Structure

The Skin

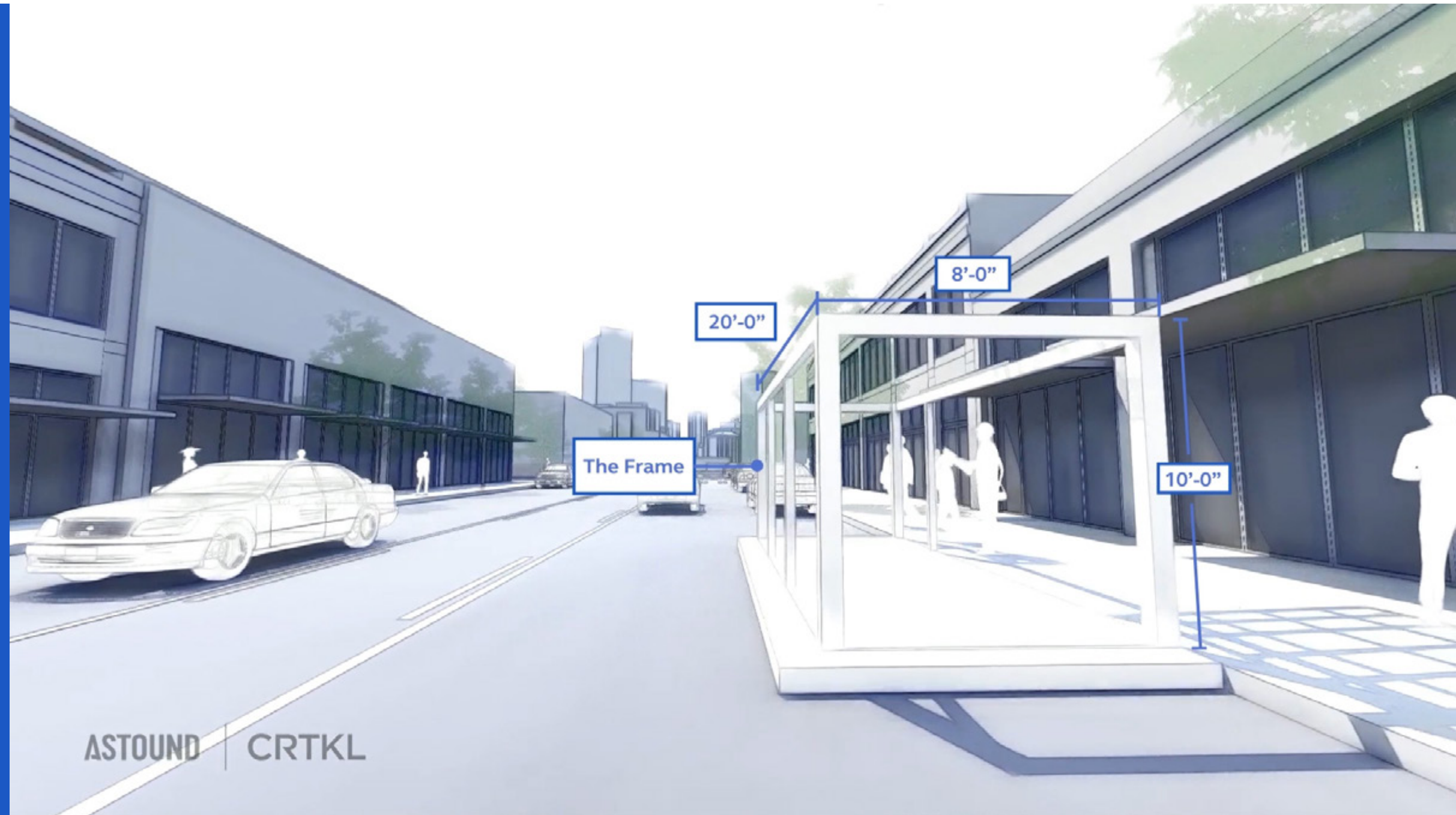
Urban Street Experience

Click buttons to view diagrams

The Frame

The frame of the POD is comprised of a lightweight, prefabricated modular structure designed to accommodate a wide range of exterior skin options. The size and weight allow for easy transportation and set-up.

- Lightweight, rigid frame is comprised of low-carbon structural steel.
- Bolted or screwed connection for fast and easy assembly and dis-assembly.
- Modular size accommodates a wide selection of exterior skin options.
- Easily transported to site on flatbed trucks.



The Base

The Frame

The Roof Structure

The Skin

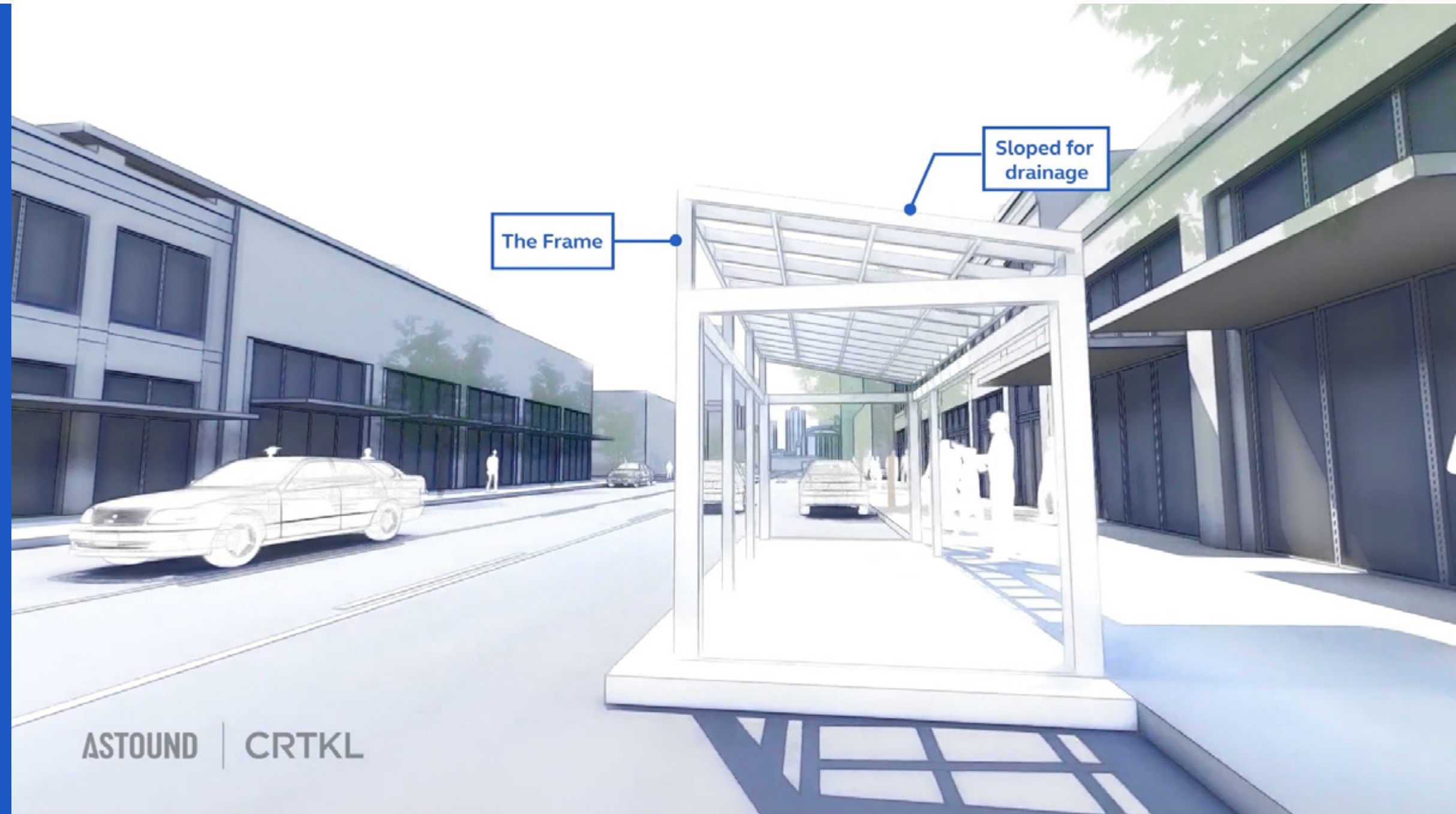
Urban Street Experience

Click buttons to view diagrams

The Roof Structure

The roof of the POD provides a lightweight weather protection solution. It can easily be customized to create a wide range of design options and looks.

- Lightweight, rigid frame is comprised of low-carbon structural steel.
- Year-round weather protection provides ventilation and air movement.
- Easily customized to create a wide range of looks and design options.



The Base

The Frame

The Roof Structure

The Skin

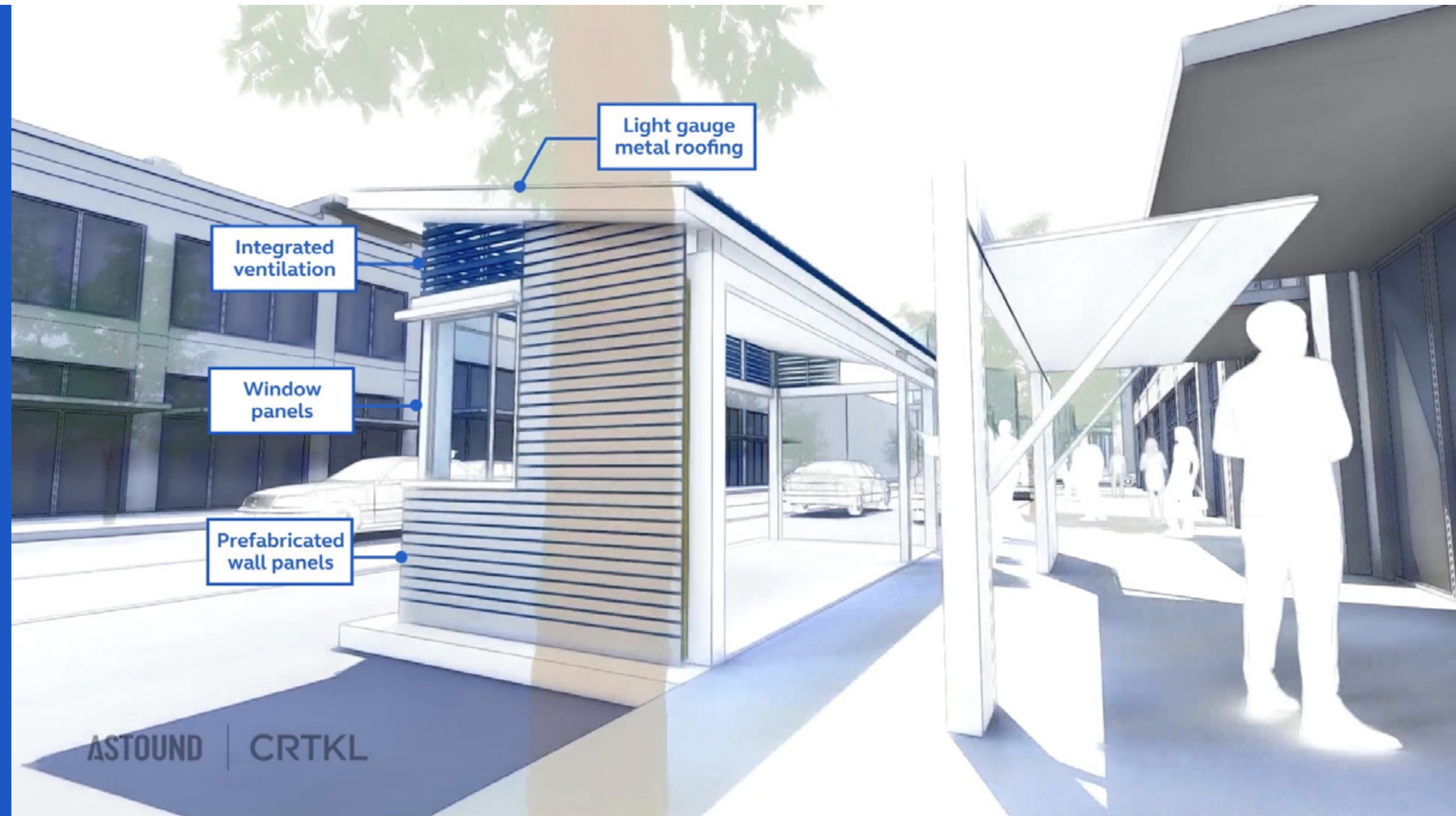
Urban Street Experience

Click buttons to view diagrams

The Skin

The frame of the POD is comprised of a lightweight, prefabricated modular structure designed to accommodate a wide range of exterior cladding options. The size and weight allow for easy transportation and set-up.

- Built in louvers provide ventilations and air circulation.
- Standardizes panels and modules allow for a wide range of material and color options.
- Removable clear acrylic window panels adapt to seasonal climate conditions.
- Prefabricated panels allow for fast and easy assembly and disassembly.



The Base

The Frame

The Roof Structure

The Skin

Urban Street Experience

Click buttons to view diagrams

Urban Street Experience

Placing a POD in the flex-zone adds to the environment giving the users an experience which is:

- Multi-seasonal
- Communal
- Memorable
- Adaptable
- Transformable
- Sustainable



The Base

The Frame

The Roof Structure

The Skin

Urban Street Experience

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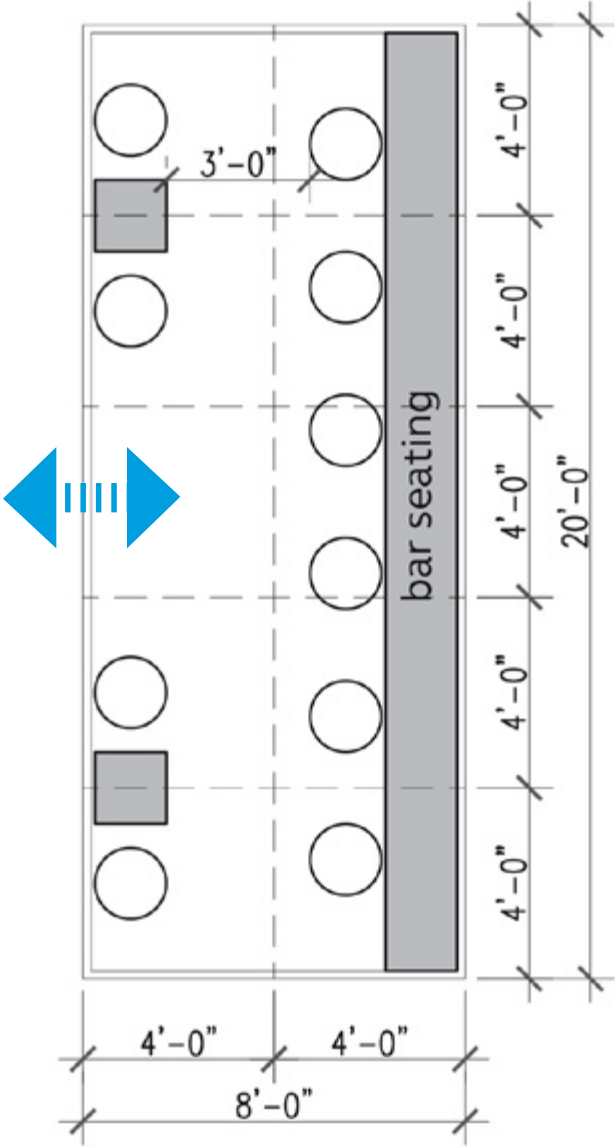


BISTRO

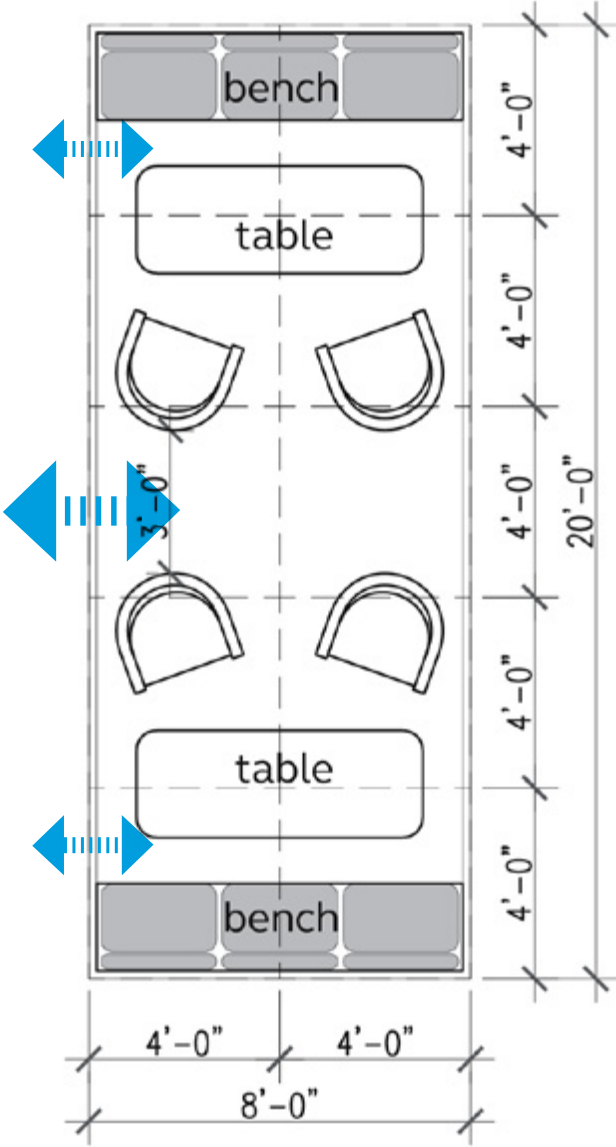
BISTRO

Layout Example: Dining

The plans showing a variety of seating layouts for dining in a socially distant manner.



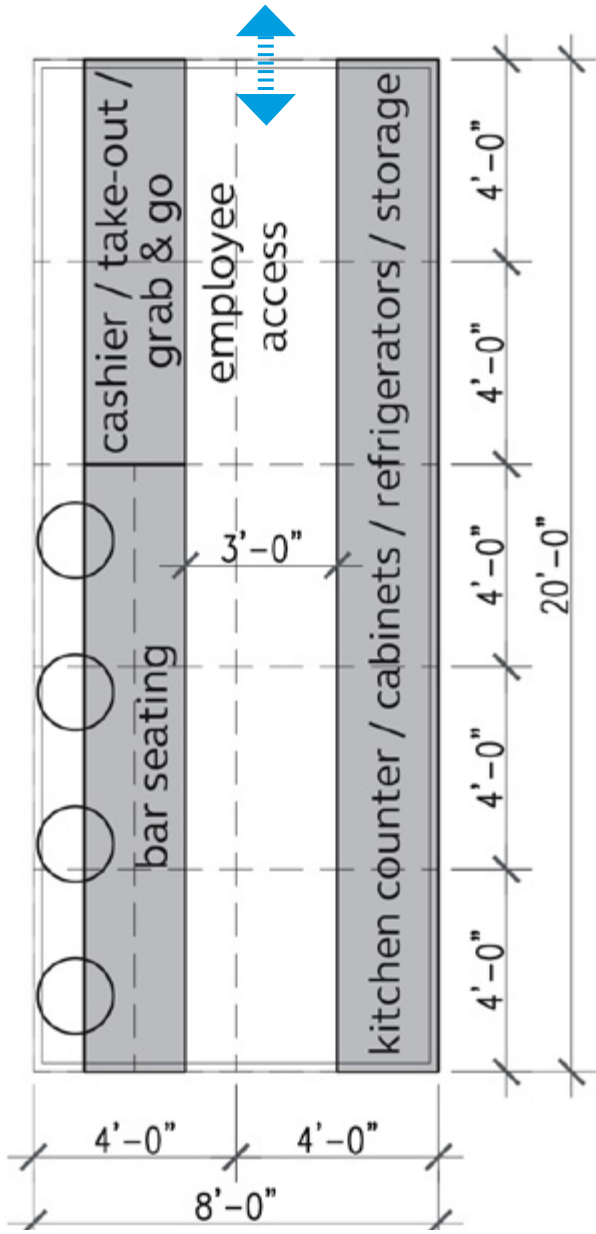
BAR SEATING TYPE
seating capacity: 10-12



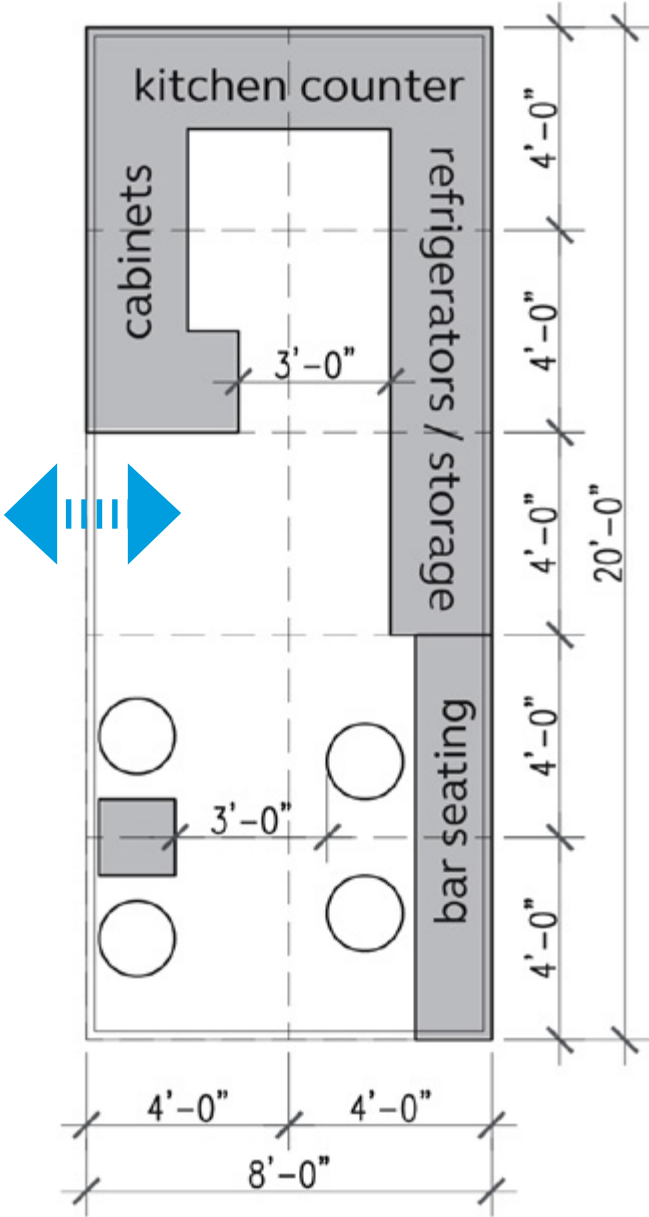
**TABLE SEATING
W/ BENCH**
seating capacity: 10

Layout Example: Small Scale Food Service

The plans showing a variety of layouts to accommodate a small scale food service similar to food trucks with limited customer seating.



**COUNTER SPACE +
BAR SEATING**
seating capacity: 4-5

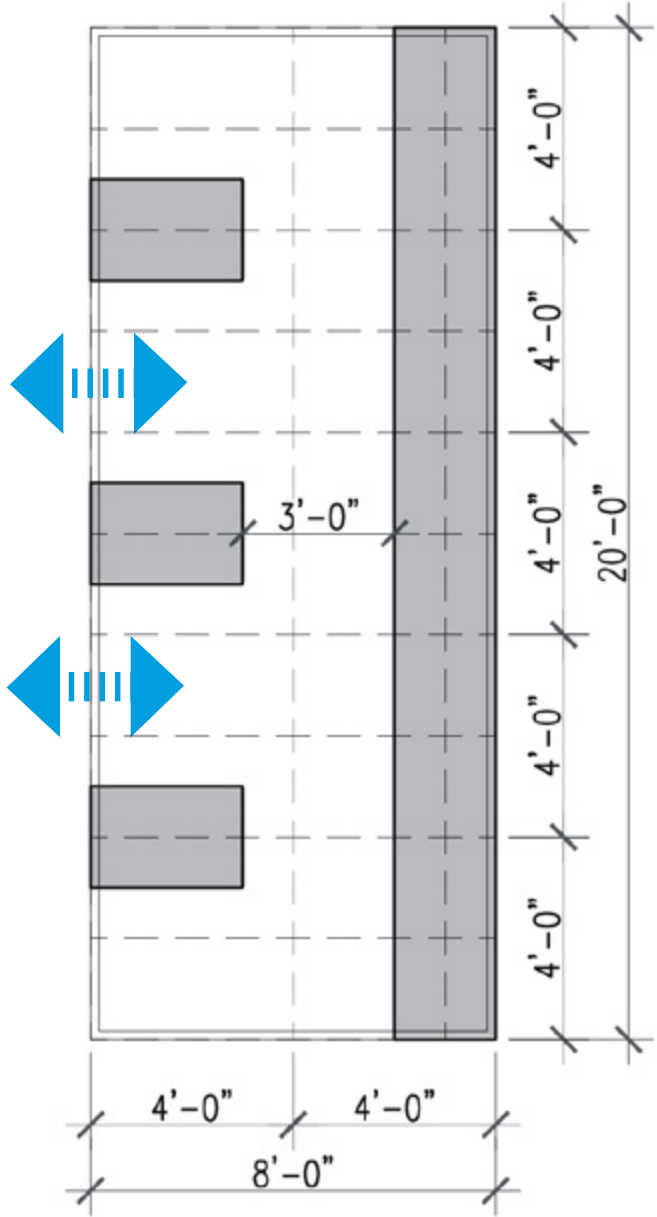


**COUNTER SPACE +
TABLE SEATING**
seating capacity: 4-5

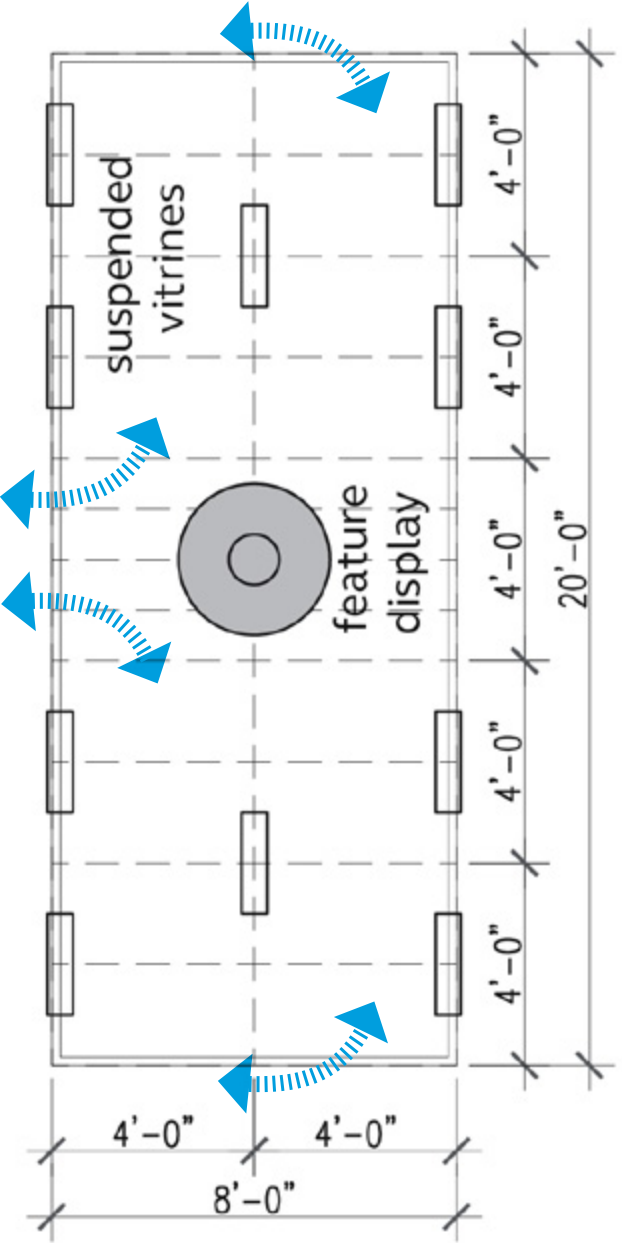
Layout Example: Retail / Pop-up



The plans showing a variety of layouts for pop-up retail uses with examples of fixturing and display.



**TYPICAL LAYOUT
BACKWALL + FIXTURES**



**OPEN SPACE
VITRINES + FEATURE**

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Cindi creates a collaborative relationship between clients and the project team. Her leadership promotes open communication, trust, and commitment to a shared design vision — always ensuring projects fully achieve clients' goals. Bringing an array of knowledge from her work with hospitality, workplace, commercial and healthcare spaces, Cindi's approach endorses the future of retail by blurring the lines of these practices in creating new and innovative design experiences.

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ASTOUND Architectural Fabrication is a division of ASTOUND Group and is the premier global partner for making uniquely human spaces possible. With expertise in project development, digital fabrication, and material knowledge, our build craft defies mediocrity.

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