# "INFINITO"



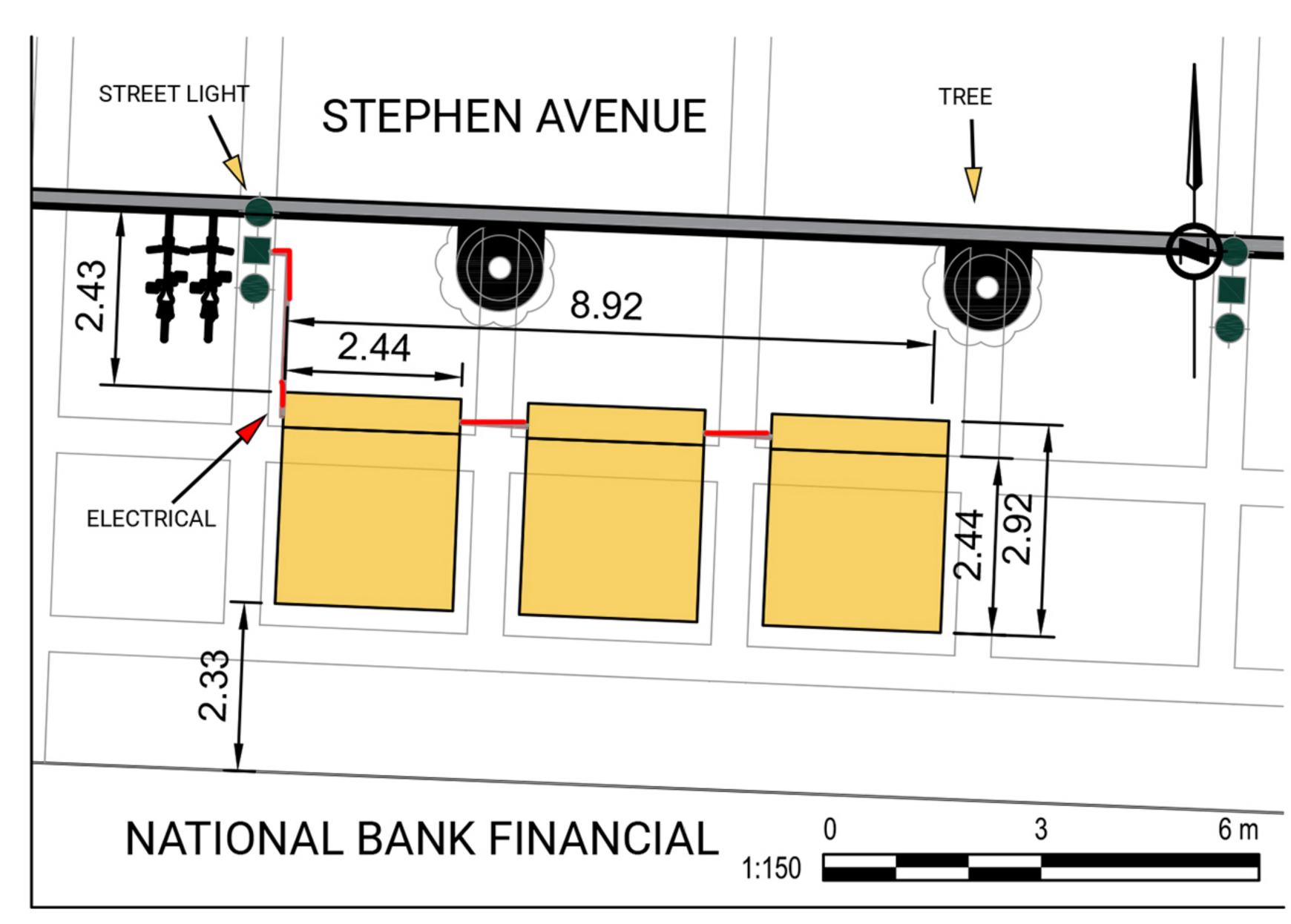
## SUMMARY

Imagine seeing three white boxes as you venture through the night on Stephen Avenue. Your curiosity leads you through a tunnel that shields you from the urban environment. A tunnel that allows you to escape reality ephemerally. As you look up, the infinity illusion ceiling sucks you into the abyss, taking you out of bound. The wood interior finish warms you from the cold winter. The reflective slats re-emits the LED light strip with its breathing motion from across, recreating a sci-fi hyperdrive aesthetic, permitting people to catch up all the missed activities because of Covid-19 and progress beyond the pandemic. Furthermore, the tunnel compresses the walkable space, which motivates intimacy and social interaction among visitors. The exterior features a minimalist approach to Calgary Alberta's icons like the Calgary tower, the rocky mountains, Alberta wild roses, and the cartoon grizzly bears that engage the pedestrians. It will promote photo shooting from visitors. The white minimalist boxy design continues the minimalism from the renovating building across Stephen Avenue, merging itself with the surrounding environment and introducing modernity to the classical National Bank Financial Building facade. The minimalist exterior contrasts with the overwhelming surrounding, drawing pedestrian attention to its oddity and promoting curiosity and excitement.

#### SITE LOCATION

INFINITO is located in the National Bank Financial corridor, right before the heart of Stephen Avenue.

It serves as a natural pedestrian gateway to-and-from the great social district, attracting pedistrian and everyone in the city to visit Stephen Avenue. Therefore, the tunnel increases visit frequency which promote economic opportunity for local shops and restaurant.



### SOCIAL ENGAGEMENT

The pedestrian can see, touch and feel the INFINITO.
INFINITO is one continuous experience. As Stephen Avenue is based on various modes of movement, the tunnel provides a natural barrier-free walking path for pedestrians. It shields them from the overbearing skyscrapers, reducing the scale of the surroundings down to a human level, promoting intimacy and social interactions.

#### **EXTERIOR**

The exterior facade attracts pedestrians to take photos with friends and family. Moreover, the minimalist silhouette accompanying the white background complements any visitor's clothes colour, making photo portraits extra appealing.

#### **INTERIOR**

The partial reflective wood slate mirrors the viewer, suggesting introspection. It forces self-reflection and re-evaluating themselves, their values, and their relationship with friends and family. Furthermore, it imposes them to search for truth in the era of false information.

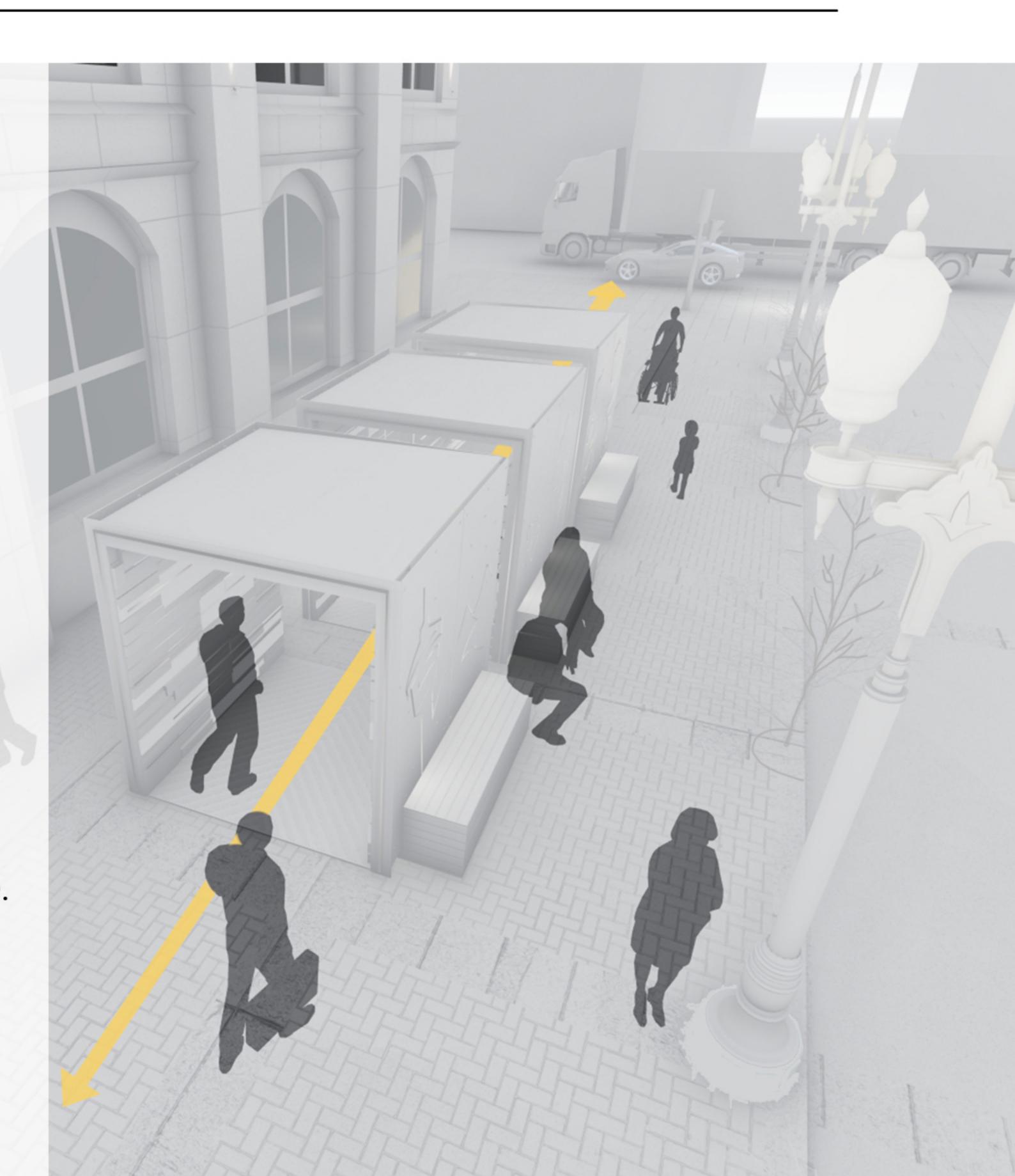
#### **EVOLVING LIGHT**

The RGB LED light strips can switch colours and display in different lighting modes. It can adapt to various events and holidays that happen within the installed month. For example, on February 14th, Valentine's day, the lighting can be set to interchange between different shades of pink and red, emitting a romantic vibe on Stephen Avenue. Other colours will create a different mood. Thus, the light strip's colour changeability makes the structure visually adaptable to changes in the environment.

#### ACCESSIBILITY

The tunnel's opening orientation flows with the existing traffic without obstructing pedestrian travel.

People may find themselves naturally walking into the tunnel due to its orientation. They can walk through it or walk beside it, delivering different experiences. The benches offer a rest for pedestrians. The generous width of the tunnel allows people to walk beside each other and is wheelchair accessible.

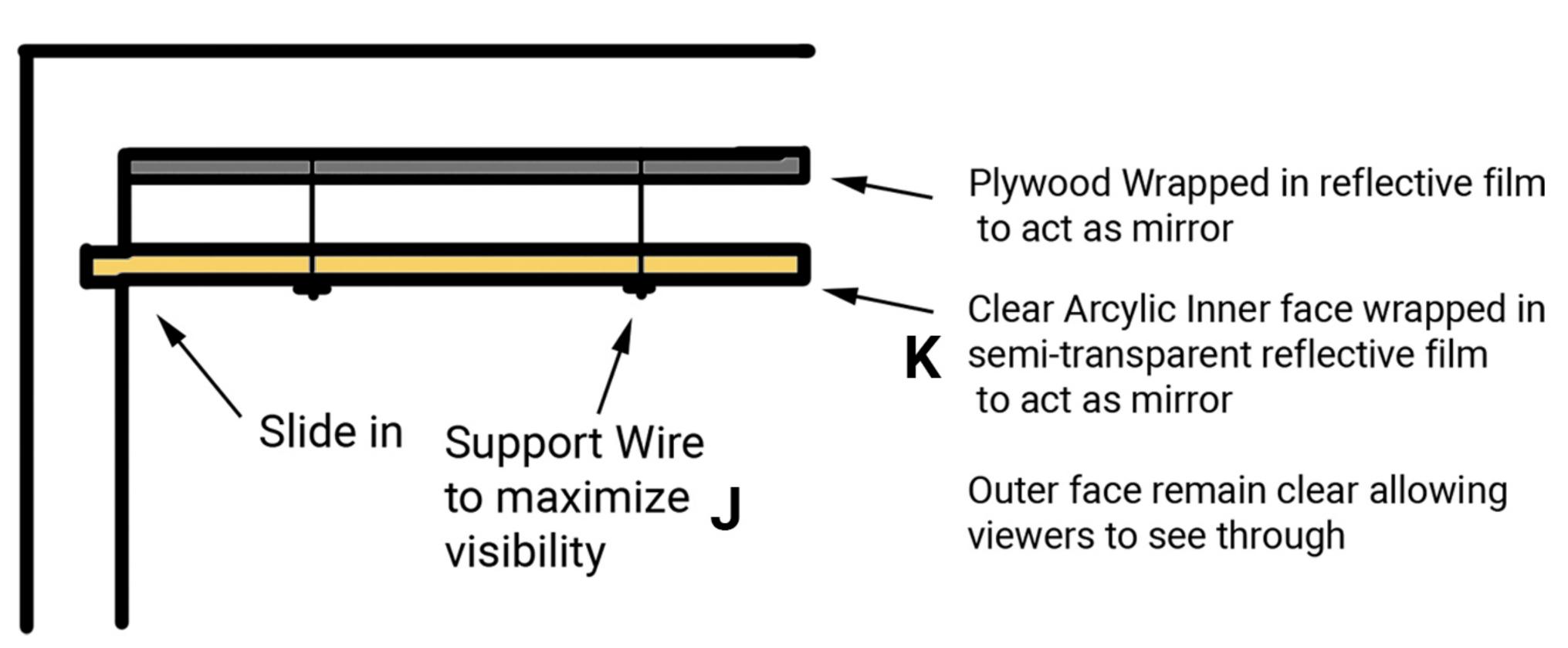


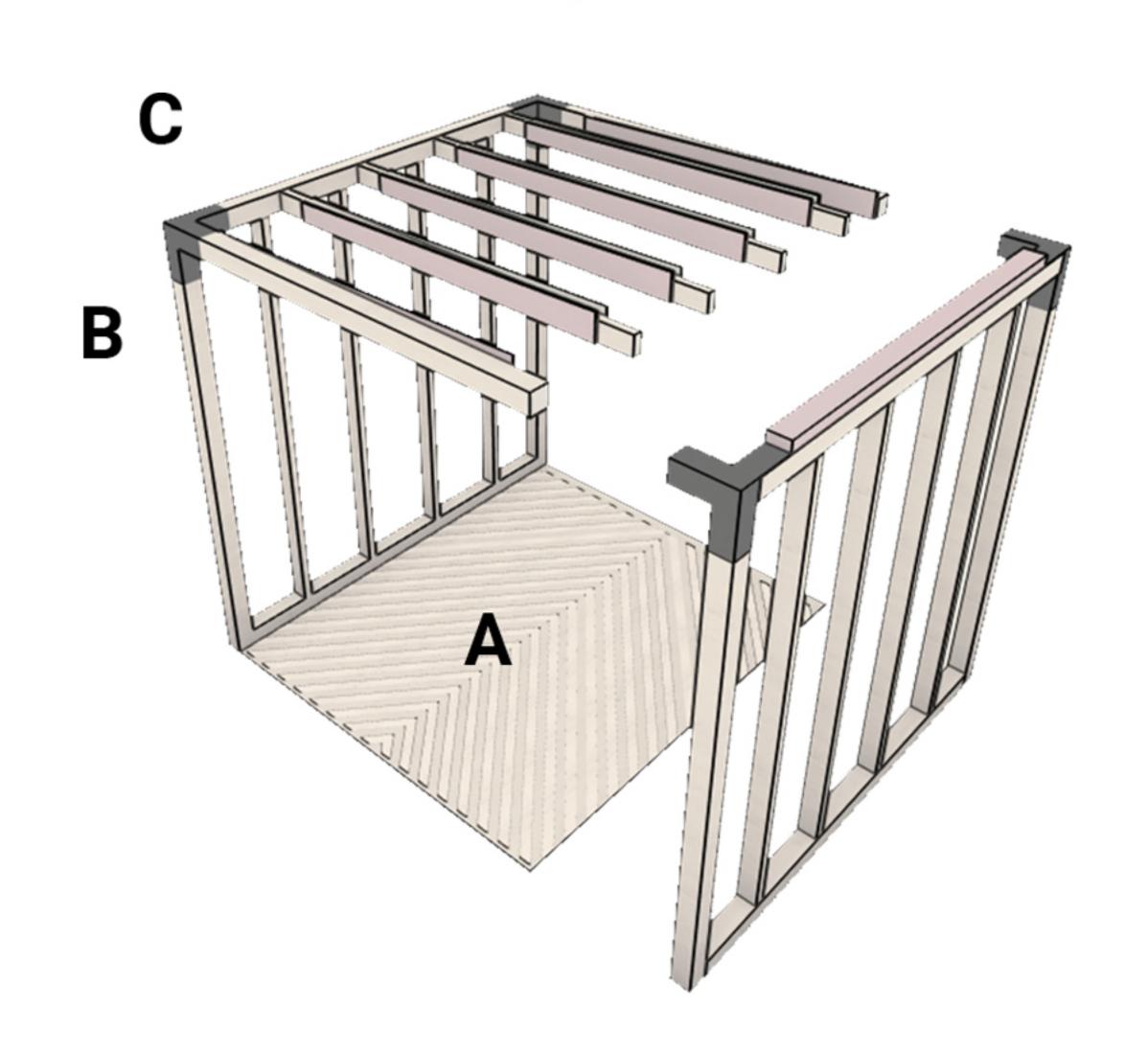
## FABRICATION PROCESS

- 1. Walls, flooring, benches, and infinity roof are fabricated off-site using listed materials.
- 2. Prefabricated parts are mocked up off-site to ensure fitment and disassembled in modular pieces.
- 3. Prefabricated walls, benches, roofs and cladding are brought to site for installation.
- 4. All modular pieces will be assembled by hand using a mixture of nails and screws.
- 5. HDPE Puck Board will be waterjetted to the designed cut out.
- 6. LED lighting strips are connected together and electrical access panels are closed.
- 7. Power feed is brought into the bench of the westernmost module from the street light and between the 3 modules.
- 8. Outdoor rated cord protector is installed over electrical cords and strain relief is installed at connection points.



#### INFINITY CEILING





#### SUSTAINABILITY

INFINITO is a modular structure primarily composed of pressure treated lumber. Other materials include steel brackets, clear acrylic sheets and LED light strips and they are all reusable. Screws and all wood material can be reused for other projects when disassembled The 8x8' dimension permits minimal cutting which produces minimal waste. After the structure is uninstalled I can install it on a private property that is accessible to the public. The pallet slate can be re-used for furniture building. Or it can be used as a pergola in a backyard. In the end, no material will go into landfill after decommission.

### SECTION



### G **DURABILITY** The lumber frame has steel brackets to create a strong moment frame. Additional weight is contributed by the bench to prevent any possible

overturning. The overall

of 3 to ensure minimal

structure has a safety factor

deflection and absolute safety

of interacting pedestrians.

The lumber members are pressure treated to prevent rot, deformation and wear. Acrylic sheets are light, recyclable, waterproof and cheaper than glass. It allows easy illustrative cutting versus aluminum sheets. Wood pallets can be sanded and apply a layer of sealer to make it resistant to weather. The flexible led strips used are for outdoor use.



The materials are chosen efficiently to keep cost low and within budget.

#### COST BREAKDOWN: 8' x 8' Tunnel

	Item Category	Item Name	Unit	Amount	\$ / Unit	\$ Total
В		2"x4"	8' lg. pc.	8	\$ 11.00	\$88.00
В		2"x4"	10' lg. pc.	4	\$ 14.00	\$56.00
В		4"x4"	8' lg. pc.	8	\$ 14.00	\$112.00
В	Framing	4"x4"	10' lg. pc.	2	\$ 24.00	\$48.00
Α		0.5" Thk. Plywood	4'x8' pc.	18	\$ 37.00	\$666.00
D	Wall & Sheathing	0.75" Thk. Plywood	4'x8' pc.	6	\$ 58.00	\$348.00
G		2"x4"	8' lg. pc.	5	\$ 11.00	\$55.00
G		0.5" Thk. Plywood	4'x8' pc.	1	\$ 37.00	\$37.00
G	Bench	Recycled Wood Pallets Slats	Varies	1	\$ _	\$0.00
С		TOJI Trio Corner Bracket	pc.	4	\$ 85.00	\$340.00
-		3.5" Wood Screws	1 box (500 pcs.)	1	\$ 73.00	\$73.00
-	Connectors	2" Wood Screws	1 box (500 pcs.)	2	\$ 41.00	\$82.00
Н	Interior Façade	Recycled Wood Pallets Slats	Varies	1	\$ -	\$0.00
F		HDPE Plastic Sheet	4'x8'	4	\$ 71.00	\$284.00
Ε	Exterior Façade	Panel Standoff Mount	10 pcs.	20	\$ 3.00	\$60.00
J		Reflective Film	0.5m x 2.0m pc.	8	\$ 6.00	\$48.00
K		Clear Acrylic Panel	4'x8' pc.	2	\$ 130.00	\$260.00
D		0.5" Thk. Plywood	4'x8' pc.	6	\$ 37.00	\$222.00
I	Infinity Mirror	Support Wire	10 pcs.	2	\$ 23.00	\$46.00
		Interior	3m	16	\$ 17.00	\$272.00
		Exterior	5m	4	\$ 25.00	\$100.00
	LED	Bench	3m	1	\$ 17.00	\$17.00
	Miscellaneous	Anti-Slip Tape	60'	3	\$ 20.00	\$60.00
	Total (1 module)					\$3,274.00
	Total (3 module)					9,822.00