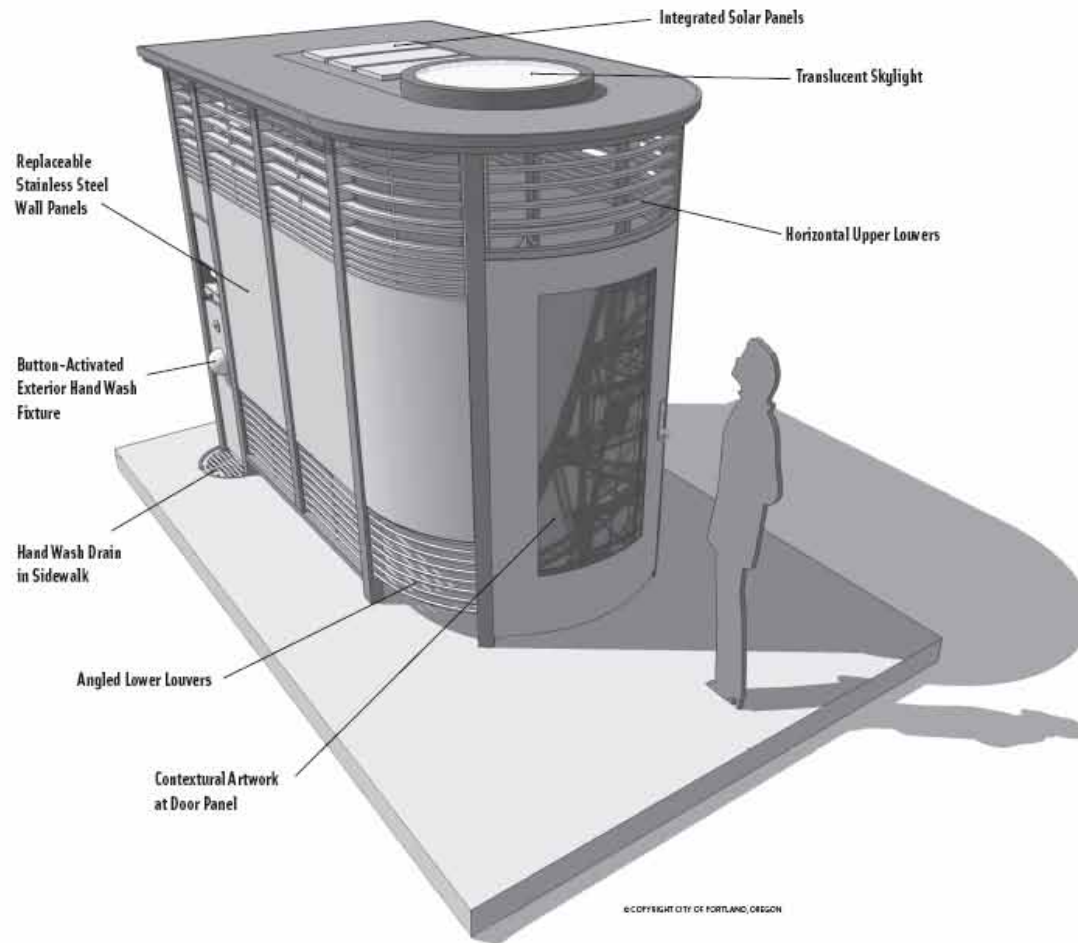


### PORTLAND LOO

The City of Portland is in the process of designing and simultaneously patenting a design for public restrooms that it hopes to install all over the city and potentially around the country or globe at a minimal cost. The concept of the design is to minimize security concerns (that often necessitate an attendant) through reduced privacy, which naturally minimizes comfort and thus reduces any desire to spend excessive time there to engage in illicit activities. The design is utilitarian yet attractive and will allow for anybody to take care of their business (ADA accessible). It utilizes CPTED (crime prevention through environmental design) features to make it easier for police or passers-by to monitor the restroom if somebody is inside for an excessive amount of time or if two people might be in there engaged in drugs or prostitution. Still, it is designed with the realistic knowledge that people might abuse the restroom, and thus compartments of the structure can easily be replaced. The hand washing station is on the outside to discourage bathing, and it is more of a spigot, flush against the wall, so that a sink does not provide a step for easy access to the roof. It will have a hard connection to water and sewer and solar panels to power the light that will come on in the evening and warm the pipes to prevent against freezing. It will be open 24 hours a day and be cleaned/maintained through a contract with Portland Clean & Safe that will service it at least twice a day. These bathrooms are sorely needed in Portland, especially in the downtown core, as there is scarce access to bathrooms 24 hours a day, leading to a current common practice of urinating and defecating on sidewalks and private property.



## The Portland Loo

### **LIGHTWEIGHT.**

The unit is composed of a minimum of materials. Utilizing stainless steel wall panels mounted to a slim profile steel structure means that the Portland Loo weighs a fraction of a typical restroom and can be delivered on site as a complete enclosure.

### **OPEN.**

Louvers at the top and bottom of the wall create an interior environment that offers complete visual privacy, while remaining as connected with the outside as possible. The lower louvers are angled to provide law enforcement the opportunity to observe the number of users within the unit without compromising privacy. The unit's hand-washing station is mounted on the exterior to promote shorter use times and to serve the general pedestrian population.

### **FUNCTIONAL.**

The entire unit can be off-grid and lit entirely by solar-powered LED fixtures. Or the unit can be pre-wired for 115 volt AC power. At night a gentle light washes the exterior until it is occupied, at which time the interior lights activate and the exterior lights dim, announcing that it is in use. All of the cleaning and maintenance implements, as well as electrical components and solar batteries, are housed in the cabinet at the rear of the unit.