



Extendable Portable Accessible Washroom (E-PAW)

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Why do we need Portable Accessible Washrooms?

Accessibility for Ontarians with Disabilities Act (AODA) requires Ontario to be fully accessible by 2050. This means:

All indoor and outdoor sites should be able to offer accessible facilities by 2050.

For areas of temporary use such as festivals, sporting events, or community events:

Portable accessible washroom provide accessible facilities to areas that may not have a permanent infrastructure.

In addition, areas that are in the process of creating accessible washrooms:

Portable accessible washroom offers a temporary solution until a permanent solution is in place.

What is currently in the market?



ADA Compliant Portable Toilet.

Criticism

- Missing a 900mm transfer space beside the toilet.
- Door is positioned in the center which poses difficulty for mobility scooters to open the door.
- Internal space is 62 inches by 62 inches, a Fortress 1700 Mobility Scooter is 47 inches by 24.5 inches.

High End



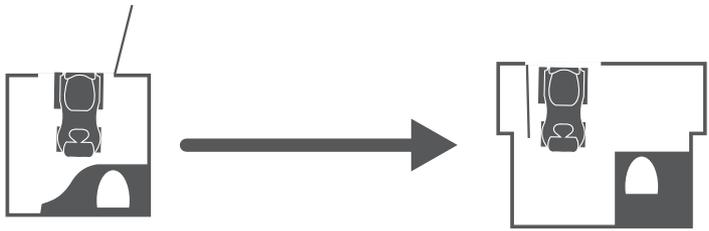
Advantage Wheelchair Accessible/ Family Washroom - from Room to go.

Criticism

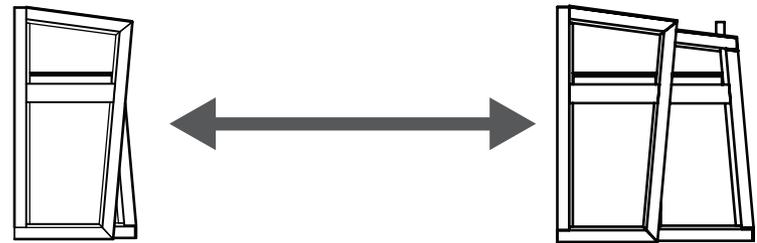
- Individuals with arthritis require shallow steps instead of ramps.
- A sink is located within the 900mm transfer space beside the toilet.
- Position of door handles and inadequate landing space means people in mobility scooters will have difficulty accessing the door handles and opening the door.

How is the E-PAW designed differently?

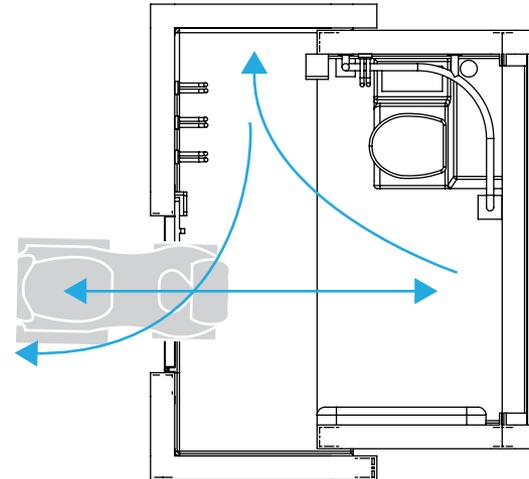
1. Internal space has increased by 150%



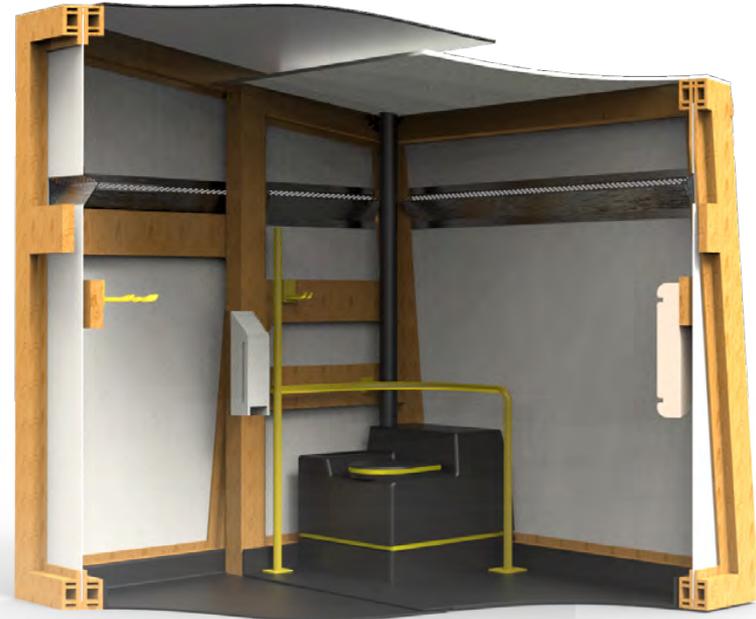
2. Expandable to increase footprint when in use, contractable to save space during travel and storage.



3. Double swing doors with springs simplifies entry and exit. Users can choose to drive in and back out directly, or 3 point turn out of the unit. A foot plate protects door from wear and tear.



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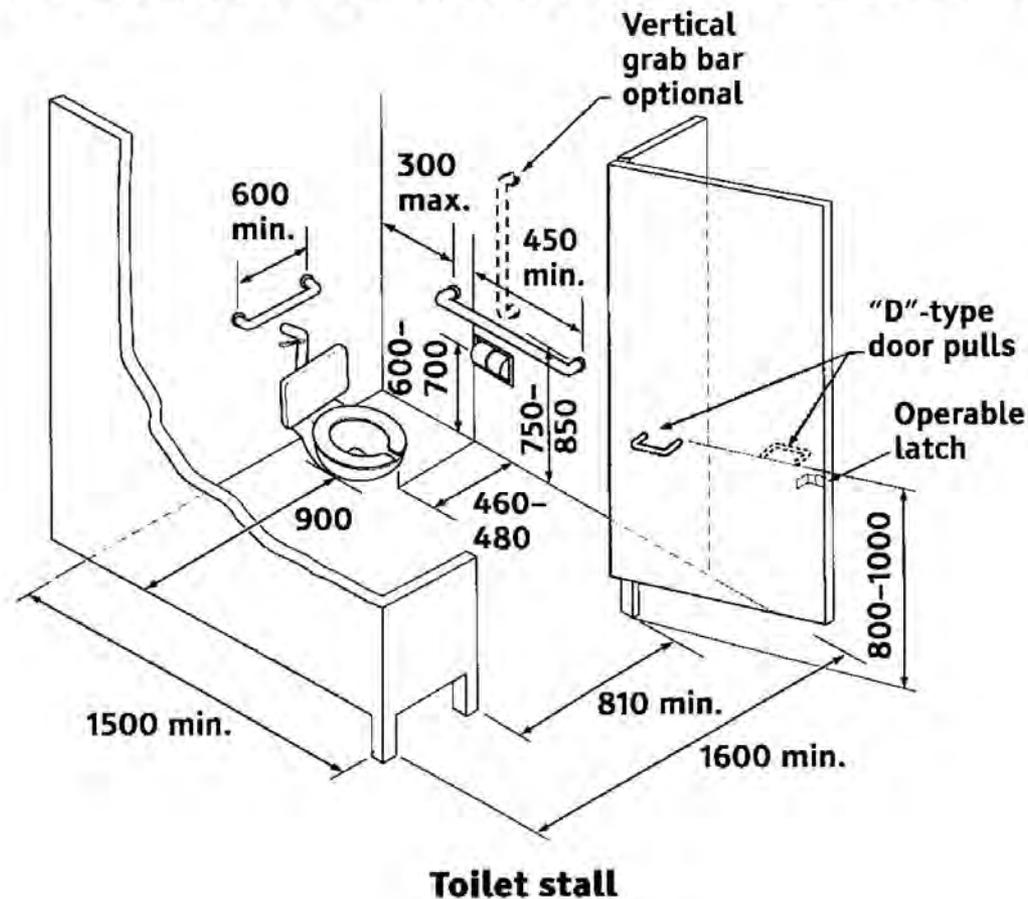


4. Accessible features for added value.

5. Designed for positive experience through choice of material, increased ventilation, and increased natural lighting.

How does the space comply with AODA standards?

Canadian Standards - Toilet Stall



How does the space comply with AODA standards?

Recommended Dimensions.

Width of stall: 1600 mm minimum.

Depth of stall: 1500 mm minimum.

Width of doorway: 810 mm minimum.

Transfer space: 900 mm.

Length of grab bar on back wall: 600 mm minimum.

Length of grab bar on side wall: 450 mm minimum.

Recommended Heights.

Height of grab bars: 750 - 850 mm.

Height of door handles: 800 - 1000 mm.

Height of toilet seat: 400 - 460 mm.

Height of toilet paper dispenser: 600 - 700 mm.

E-PAW.

Width of stall: 2060 mm.

Depth of stall: 1760 mm.

Width of doorway: 840 mm.

Transfer space: 1170 mm.

Length of grab bar on back wall: 770 mm.

Length of grab bar on side wall: 790 mm.

E-PAW.

Height of grab bars: 830 mm.

Height of door handles: 920 mm.

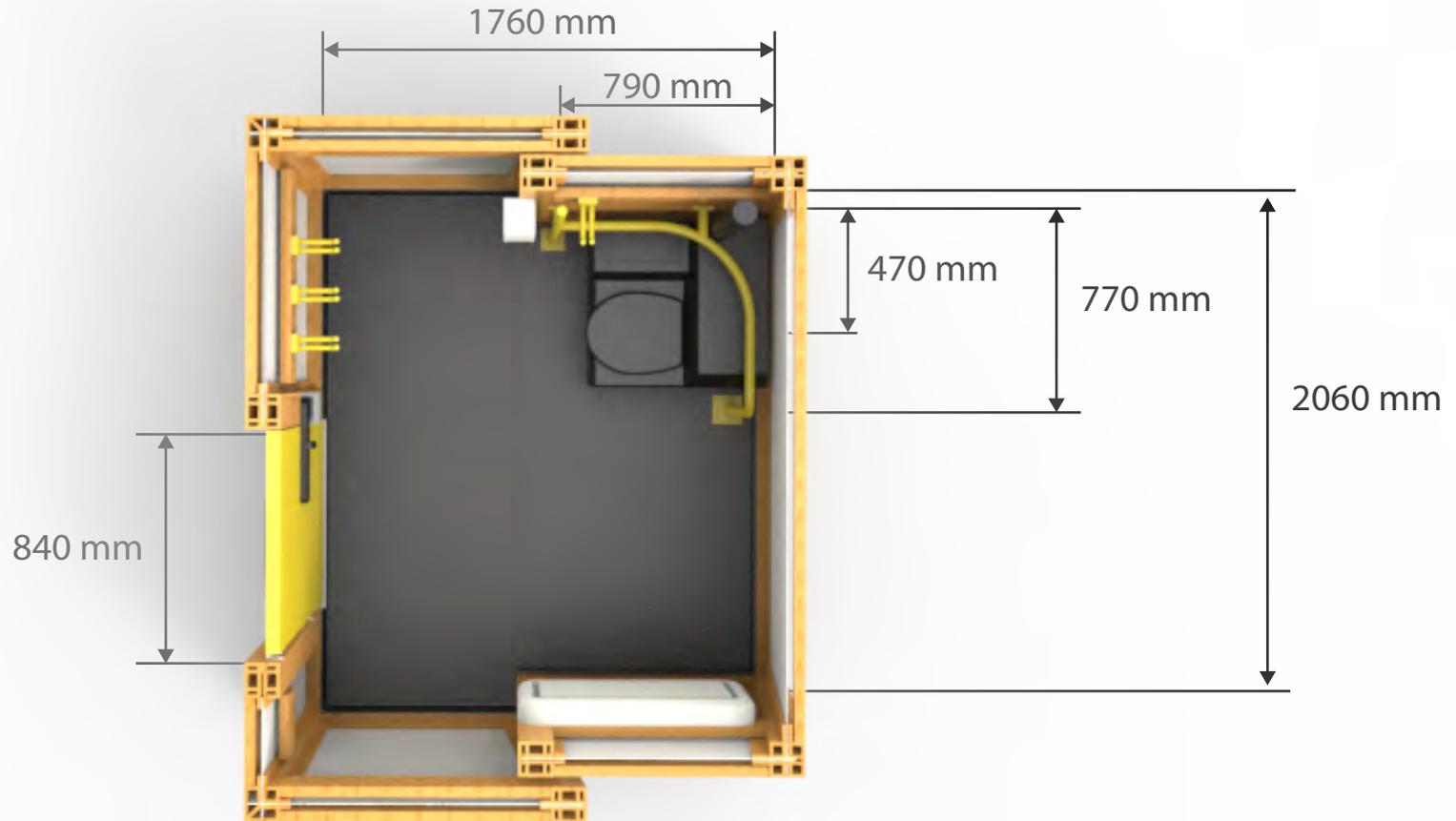
Height of toilet seat: 450 mm.

Height of toilet paper dispenser: 700 mm.

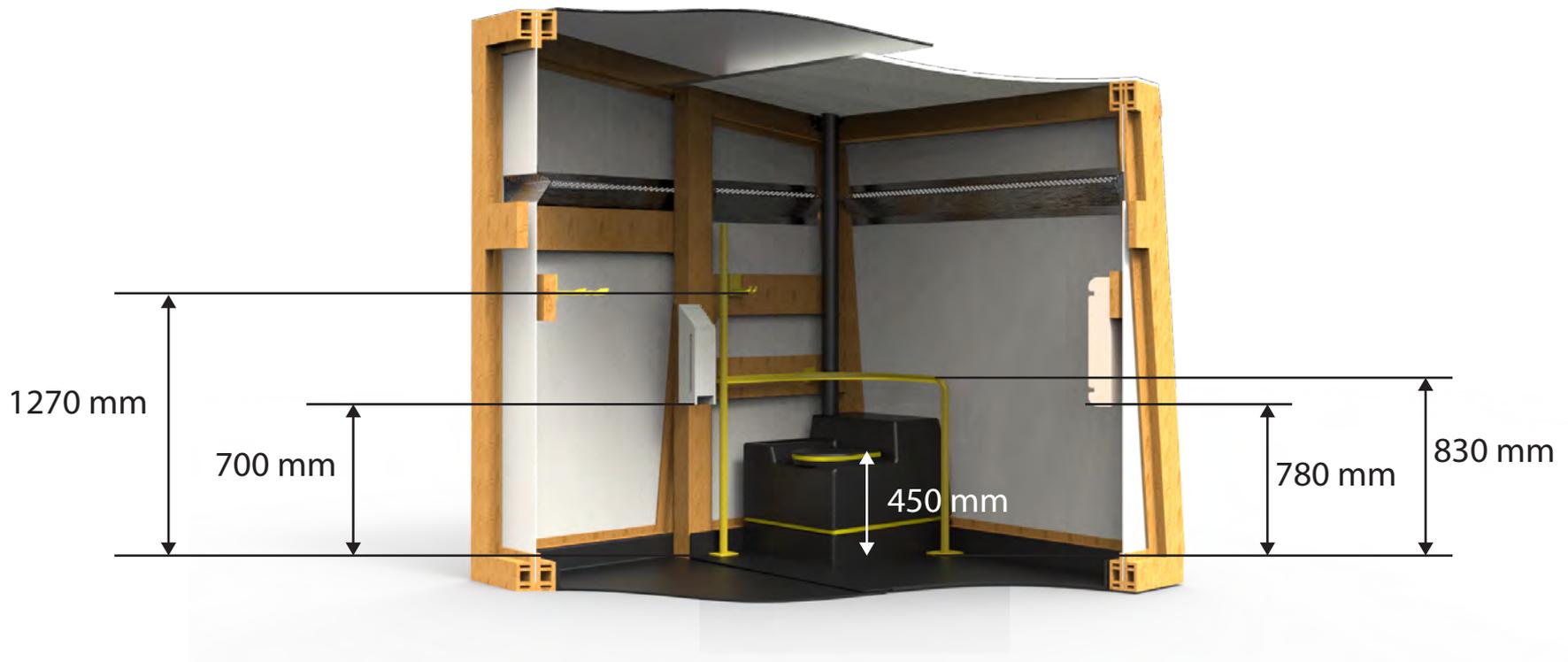
Height of accessible baby change table: 780 mm. As determined by Koala Kare.

Height of hooks: 1270 mm as determined by Queen's University.

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Other features to improve accessibility

1. Long hooks allows users to have the option to hang their belongings, from bags to crutches, while they use the washroom.
2. Koala Kare's accessible baby change table makes the E-PAW a family friendly facility.
3. Garbage receptacle is provided to keep the unit clean.
4. Single action door locks and are unlockable from the outside.
5. Yellow and black signage are high contrast, with raised tactile characters, pictogram and braille.
6. Yellow and black is used in entire washroom unit for those with low vision.

Accessible washrooms benefits everyone! From people in large mobility devices, families with strollers, or young children, to people who needs more space!

Thank you!