

# The Flow-Through Bathroom

A dual-access flow for parallel routines

-

Participant ID :ASDA26-50211

# Design Concept Summary

A common morning challenge in multi-generational homes: when three generations share one bathroom, routines overlap and waiting becomes unavoidable. The key question is how to balance simultaneous use while keeping the shared wet area compact - within only 6–7m<sup>2</sup> - so the house does not sacrifice other essential living spaces.

This concept resolves the “morning queue” by turning the bathroom into a **dual-access pass-through space**, allowing entry from both ends so circulation stays fluid instead of trapped in a dead-end room. Inside one compact footprint, the plan **zones shower, wash/teeth, and toilet into separate micro-spaces**—private enough to work independently

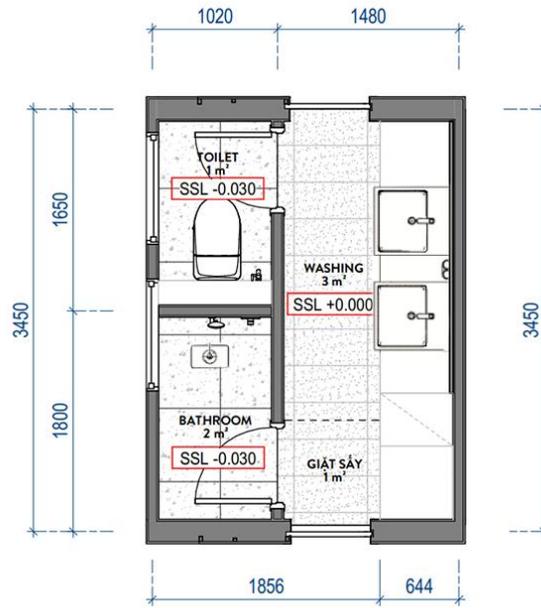
Small spatial details deliver a ‘everything-in-one-space’ experience, reducing stress and creating a warm, everyday moment of togetherness for the family.

# Design: Floor Plan and Elevations

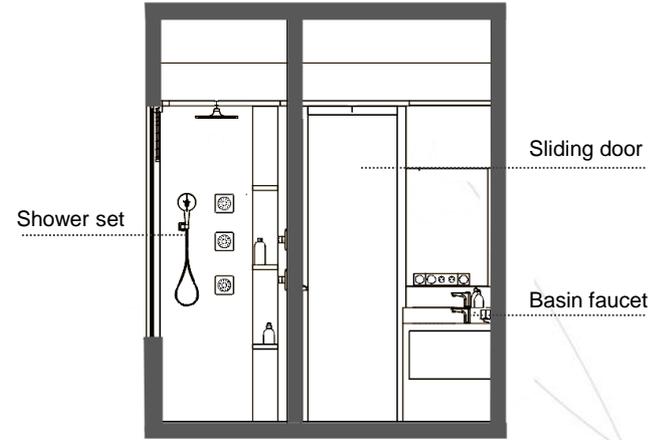
The bathroom is designed as a dual-access, pass-through space that supports a three-generation household during peak morning hours.

The floor plan separates the key routines into clear zones—toilet, shower, and a shared washing/teeth area—so multiple family members can use the space at the same time without waiting.

Sliding doors and aligned openings reduce door conflicts and keep circulation smooth between the living spaces and the yard/laundry side. zones.



FLOOR PLAN



ELEVATION A



ELEVATION B



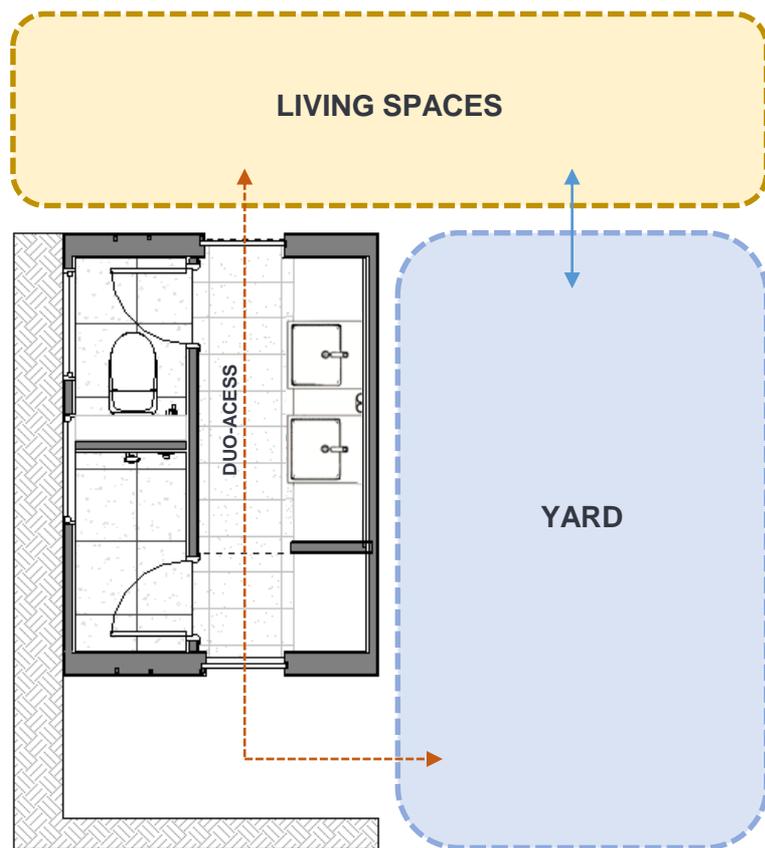
ELEVATION C

Total Bathroom Area  
in sqm (including wall  
& columns)

7m<sup>2</sup>

# Design Visuals: Overview

Located between the living area and yard, the bathroom becomes a **two-way connector** rather than a dead-end room. The dual-access route supports faster, conflict-free movement during peak family routines.



# Design Visuals: Full Bathroom

In the morning rush, the bathroom becomes a shared “pass-through” hub: grandparents move through calmly, parents use the double vanity to get ready for work, and kids wash up and head out—all at the same time.

Separate shower, washing, and toilet zones keep privacy and flow, so no one has to wait while the family stays connected in one compact space.



# Design Visuals: Full Bathroom

Large windows bring in soft natural light and garden views, improving ventilation and creating a relaxed atmosphere for all ages.

-  
The restrained material palette and clean lines keep the room easy to maintain—ideal for a multi-generational household using the bathroom back-to-back every morning.



## Design Visuals: Shower Area

The shower area is designed to reconnect daily routines with nature through a large window and soft daylight

-  
A "fairy shower" feature adds a playful, refreshing moment for children while remaining practical for adults.

-  
A built-in wall niche incorporates a **fold-down seat for elderly users** and also functions as a convenient spot to **hang and dry wet towels**, supporting comfort, safety, and everyday efficiency for a three-generation household.



## Design Visuals: Toilet Area

A **calm, private, and safe** retreat for a multi-generational household. A large window brings in natural light and garden views, improving ventilation and comfort during back-to-back morning use.

-  
The restrained material palette and minimal detailing reinforce a hygienic, relaxed environment suitable for all ages.



## Design Visuals: Basin Area

The basin zone is designed for **all ages** with **two counter heights**—a lower sink for children and a standard-height sink for adults—so everyone can wash and brush comfortably without assistance.

- A **built-in laundry tower** (washer + dryer) is integrated into the cabinetry.

- The **dual-access pass-through layout** opens the room from both sides, reducing congestion and making the bathroom feel larger—allowing family members to move through and use different functions without crowding or waiting.



## Design Visuals: Optional Images/ Information

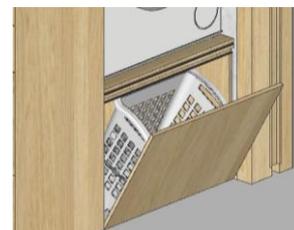
A **fold-down / fold-up seat** provides support for elderly users when needed, and also doubles as a practical rail for **hanging and air-drying wet towels**.

To save floor area, an **ironing board** is hidden inside the tall cabinet, keeping the basin zone clean and clutter-free.

The laundry wall is fully integrated: a **pull-out drawer stores clean laundry baskets**, while a **lower pull-out compartment** allows users to drop dirty clothes quickly after showering.



clean clothes



dirty clothes

## Specifications: Colors, Materials and Finishes

A calm, neutral palette is used to visually “soften” a high-use family bathroom and make it feel brighter and more spacious.

- Large-format stone-look surfaces are selected for their **hygienic, wipe-clean quality** and durability under back-to-back daily routines.

- Warm engineered timber cabinetry adds a domestic, welcoming tone—supporting the idea of the bathroom as a shared family hub rather than a purely utilitarian room.

- The balanced contrast between warm wood and cool stone also helps clarify functional zones while keeping the overall space cohesive, low-maintenance, and comfortable for three generations.

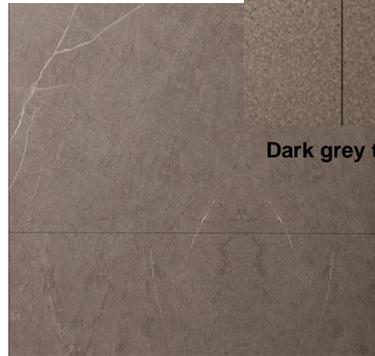
Wood-look  
engineered timber  
(laminata)



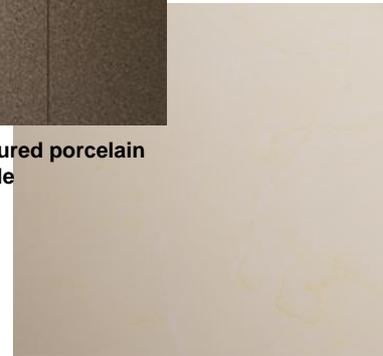
Travertine-look  
porcelain tile



Dark grey textured porcelain  
tile



Grey marble-look  
porcelain tile



White porcelain tile

# American Standard Products Specified

	Product Name	Product Image	Reason for Selection
1	<b>e-Lite shower toilet</b> CEAS70DY-1000400T0		Selected the <b>e-Lite Shower Toilet</b> for its <b>touch-free, time-saving features</b> —auto seat/cover and pre/auto flush—ideal for a high-use, multi-generational bathroom. It also improves shared comfort with a <b>built-in deodorizer</b> and adds convenience and safety through an <b>adjustable dryer</b> and <b>LED night light</b> , delivering a cleaner, smoother routine in one compact unit.
2	<b>DuoStix Hygiene Spray (Chrome/Matte Black)</b> FFASS508-000440BT0		Supports <b>fast turnover and easy upkeep</b> : <b>Jet Spray</b> rinses quickly during peak mornings, <b>PressurePlus™</b> keeps the spray consistent under high use, and <b>EasyClean™</b> simplifies maintenance to keep the shared shower zone hygienic.
3	<b>Basin Faucet (Chrome)</b> FFAST823-109500BF0		Be easy to operate for all ages (EasyPush), safer for daily use with zero-lead waterway, and water-saving for a high-frequency shared bathroom. Its durable finish stays clean-looking with minimal maintenance, while multiple colour options help the tap integrate seamlessly with the overall bathroom concept.
4	<b>EasySet Concealed Collection</b> CEAS70DY-1000400T0		Selected the EasySET shower system for our dual-access, multi-zone bathroom because it is <b>safe, intuitive, and fast for all ages</b> . The <b>thermostatic control (ThermoSafe)</b> reduces scald risk for children and grandparents, while <b>ThermoComfort</b> keeps water temperature stable during back-to-back use. Its simple <b>push-and-turn</b> operation supports quick routines in peak mornings, aligning with our “no-wait” concept in a compact shared footprint.

# American Standard Products Specified

	Product Name	Product Image	Reason for Selection
5	<b>Thin Touch Square 50 Vessel Wash Basin</b> CCASF611	 A white, square vessel wash basin with a modern, minimalist faucet. The basin is rectangular with slightly rounded corners and a clean, square design.	to maximize efficiency in a compact, shared bathroom: its countertop form supports a <b>longer vanity surface for parallel morning routines</b> , while the clean square geometry keeps the wash zone <b>organized, easy to clean, and visually minimal</b> for a multi-generational household.

# Appendix

## Design Story – Limit to 150 words per answer.

- What is the inspiration for your design?

The inspiration comes from the everyday “morning queue” in multi-generational homes, where three generations share one bathroom with different speeds, routines, and privacy needs. In many houses, the bathroom becomes a dead-end room that forces people to wait, rush, and collide—especially during school and work hours. This design rethinks the bathroom as a **pass-through circulation space**: a compact core that connects the living spaces and the yard, while still supporting comfort and dignity.

- How does the design fulfill the need of the target users?

The target users are a three-generation family: grandparents who need safety and time, parents who need speed and efficiency, and children who need accessibility and ease. The plan separates shower, washing/teeth, and toilet into distinct zones so users can perform different tasks **simultaneously** without waiting. Dual access from both ends reduces congestion and prevents cross-traffic. Overall, the design balances privacy, accessibility, and speed within a compact footprint.

- How does the design fulfill the design challenge?

The challenge is to fit a **full-function, multi-user bathroom** into just **6–7m<sup>2</sup>** without feeling cramped. This design solves it by making the bathroom a **dual-access pass-through** and using **clear zoning** to separate toilet, shower, and washing into efficient micro-spaces. A continuous circulation route, wet/dry control, minimal door conflicts, and integrated storage keep movement smooth, hygiene high, and daily use stress-free.

- How does the choice of products contribute to the purpose of the design?

Product choices reinforce the goals of **speed, safety, hygiene, and multi-user convenience**. The smart toilet reduces touchpoints and improves comfort for shared, back-to-back use (auto functions, deodorizing, night lighting). Thermostatic shower controls stabilize temperature and reduce scald risk for children and grandparents, while simple push/turn operation supports quick routines. Easy-clean shower fittings and durable finishes lower maintenance in a high-use household. Water-saving taps and fittings support sustainability without sacrificing performance. The vessel basin and vanity system enable a longer, shared counter for parallel use, supported by integrated storage. Overall, the selected products act as “quiet helpers”—making the compact bathroom more intuitive, safer for all ages, and efficient during peak morning demand.