

We build our dream
for customer happiness !

STAUS

To be a star with us



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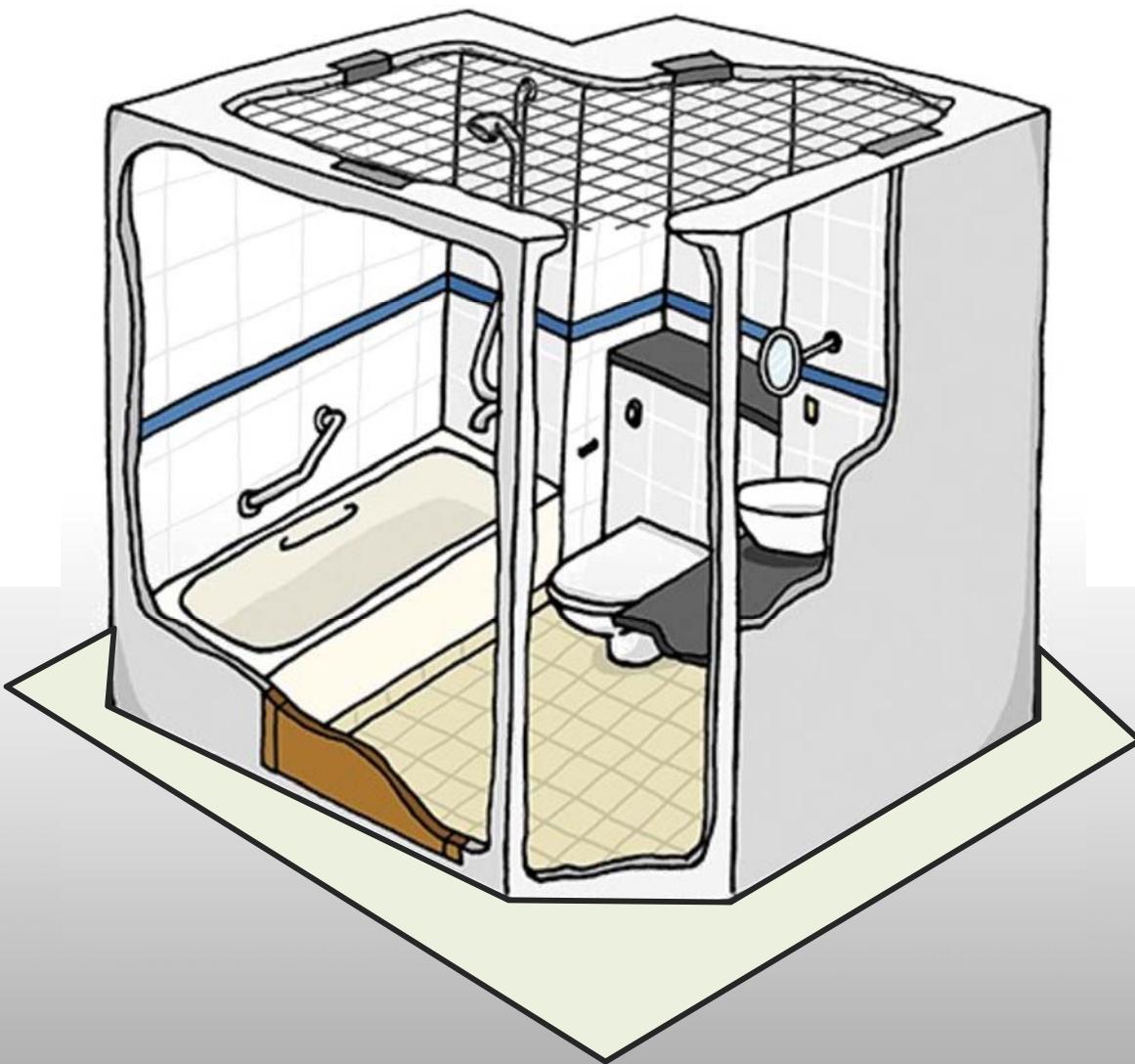
Wet Unit Installation

Track Record

Wet Unit Design

Characteristics Comparison

Necessity of Modular Bath



Increase in Labor Cost
Decreased Finish Quality



Rise & Drop
of UBR System



We need a new
modular bathroom !

Wet Unit Definition



Advanced technology that started at sea

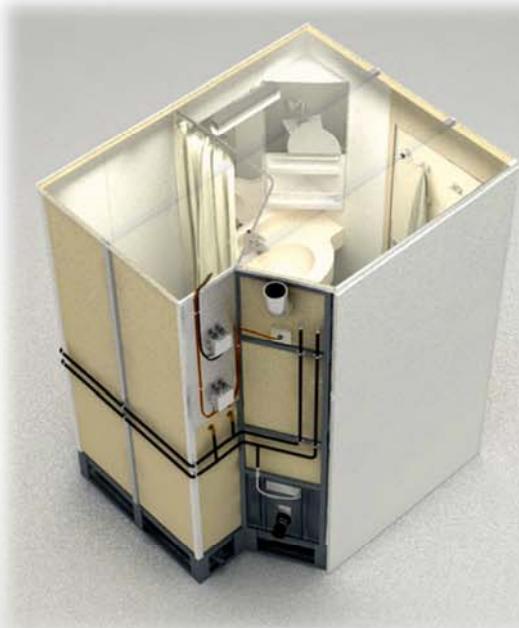
It is a unit for a comfortable shower or toilet environment by overcoming conditions such as vibration and noise as well as high salinity and temperature differences

After pre-assembly and various tests at the factory, it is a unit that can be used immediately with simple piping and power connection in the field

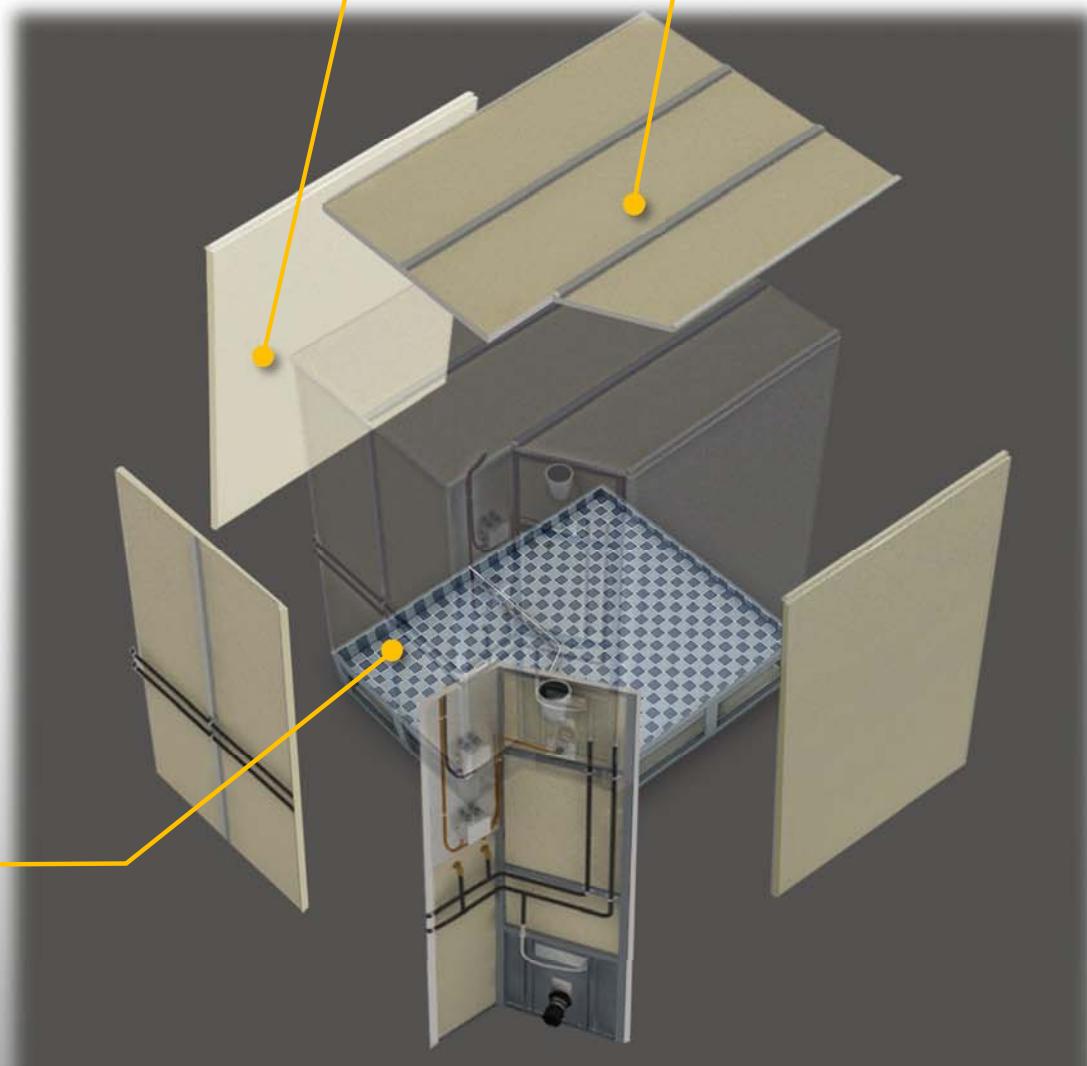
It enables mass production with equal quality

Wet Unit Form & Composition

Typical Configuration



Wall
(PVC film laminated 0.6mm
Galv'd steel sheet with
15mm mineral wool)

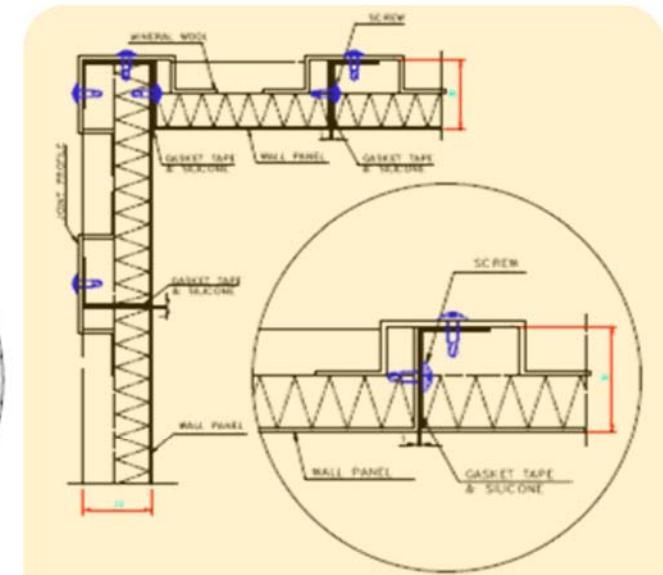
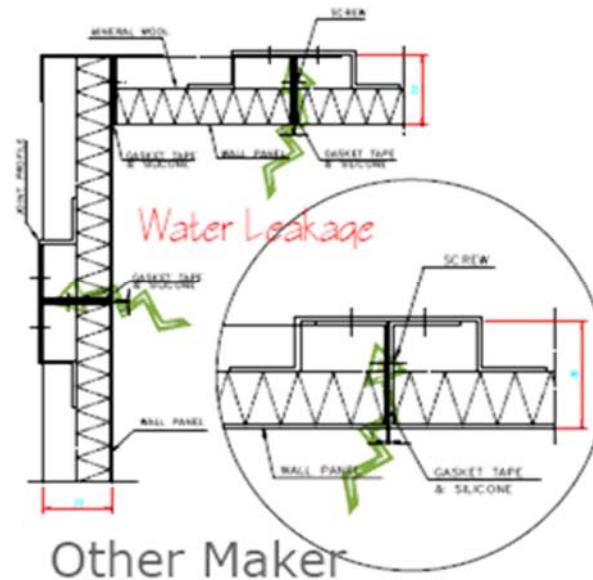
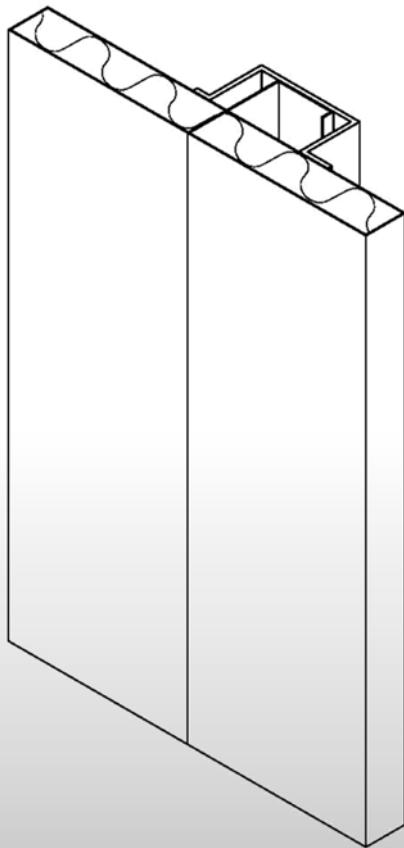


Ceiling
(PVC film laminated 0.6mm
Galv'd steel sheet with 15mm
mineral wool)

Base
(3.2mm carbon steel or stainless steel
with epoxy paint (and insulation, heating
cable, etc.),
, 40A & 100A carbon steel or stainless
steel pipe)

Wall & Ceiling Specification

Typical Configuration

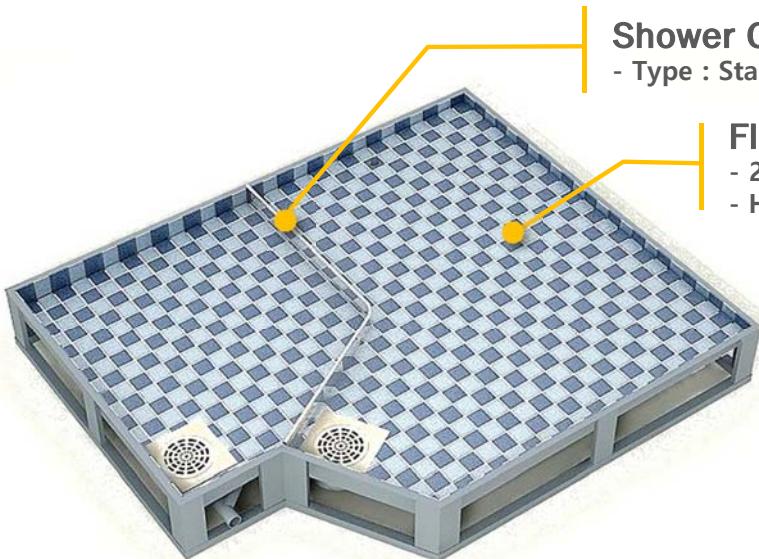


- Perfect watertightness
- Fire resistance
- Sound Insulation

TECHNICAL DATA		CONSTRUCTION	
Fire Class	: B-0	Core Material	: 15mm Mineral Wool
Weight	: 9.6Kg/m ²	Surface Material	: 0.6mm Thk.Galvanized Steel Plate
Sound Reduction Index	: STC 28dB	Finish Material	: 150 μ m Thk.PVC Film With Protective Foil
Thermal Transmittance	: 1.54Kcal/m ² h°C		

Base Floor Element

Typical Configuration



Shower Coaming

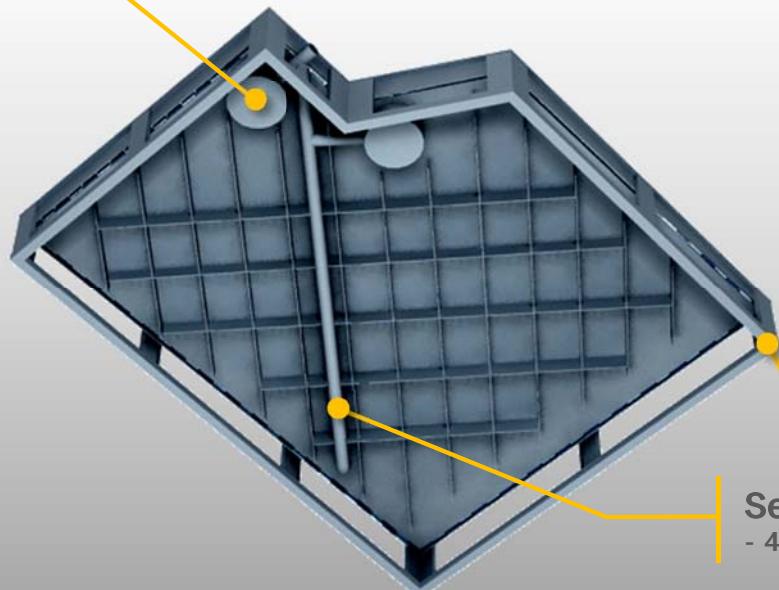
- Type : Standing type stainless steel coaming, Step down(knockling-down)

Floor Pan

- 2.0/3.2mm carbon steel with most floor finish material
- Heating system available

Scupper Trap

- Separated large-capacity trap for easy cleaning and to prevent odors.



Support Frame

- 2.0/3.2mm carbon steel
- Height adjustable

Sewer

- 40A/50A carbon steel or stainless steel pipe

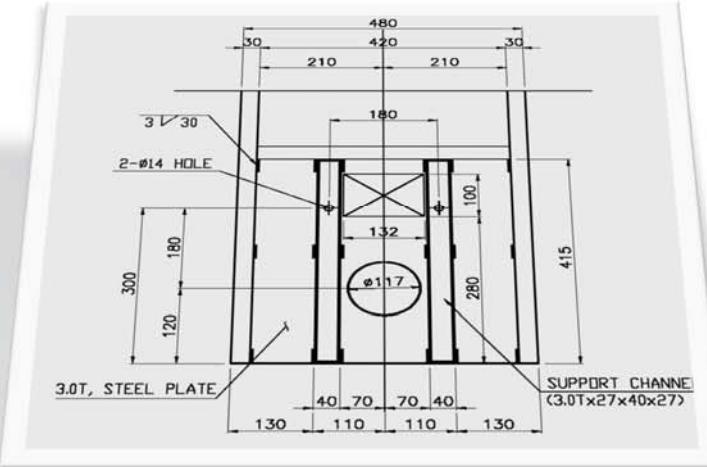
The single-piece plate manufacture by the press method has no gaps, so there is no water leakage

And the pre-formed floor grade determined at the design stage makes it possible to omit a separate wet grade work

In addition, the sewage pipe applied in advance to the lower part shortens the piping work time in the field, and the floating floor plate makes it possible to fill the sound absorbing material or insulation material

The floor module, an independent structure, enables the free movement of the wet unit due to its structural strength and has a durability of at least 100 years.

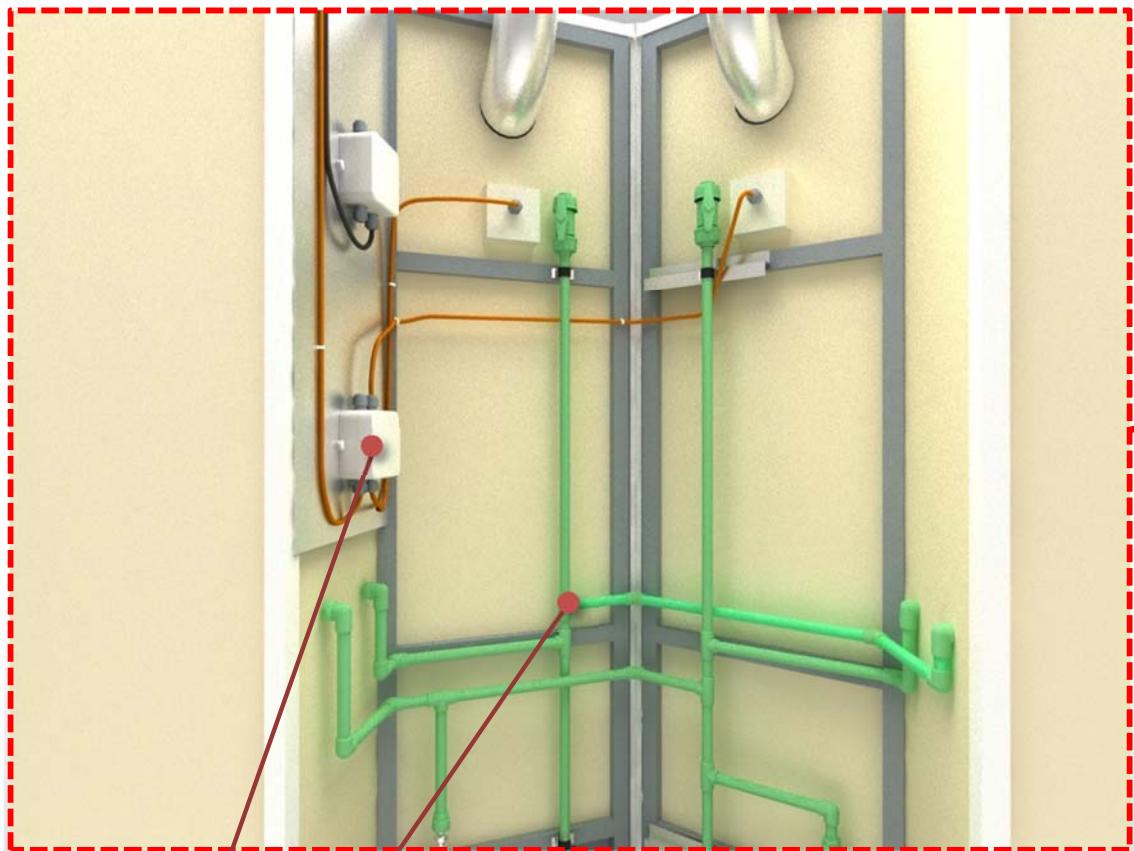
Wall mount System



As a duct paneling system, wall-mounted sanitary ware is applied, and due to non-contact with the floor, it is easy to clean and creates a hygienic environment by preventing the occurrence of mold and various bacteria

In addition, the probability of leakage is reduced by minimizing the application of holes on the floor.

Service Area

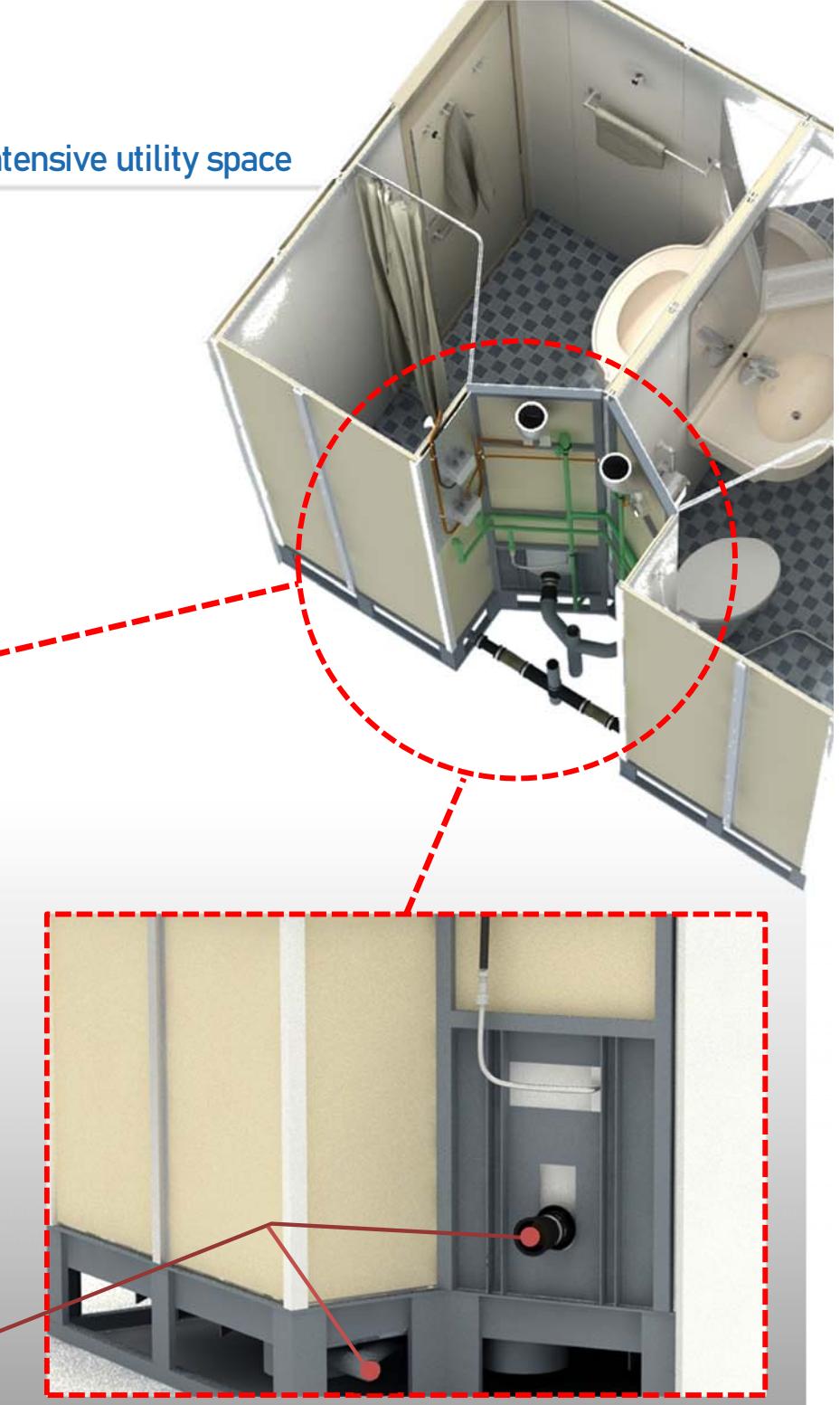


PE insulated sanitary water supply pipe
- Sanitary copper water pipe with flame retardant & basic insulation performance

Independent terminal box
- made of flame retardant ABS material

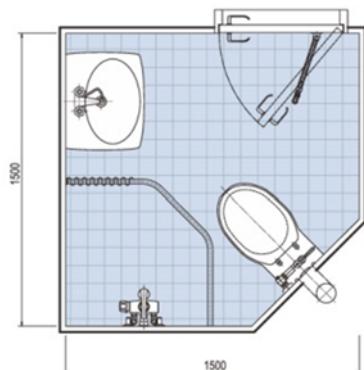
Plumbing outlet
- 40A/50A carbon steel or stainless steel pipe

Intensive utility space

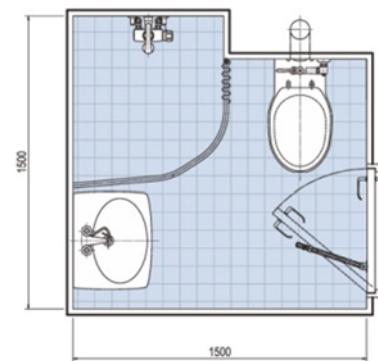


Typical Type (1/2)

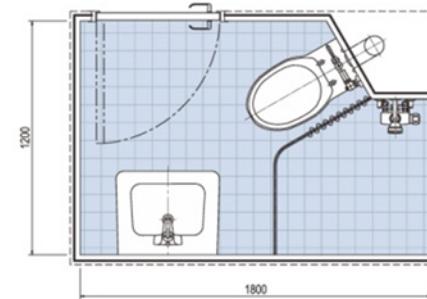
SSU type



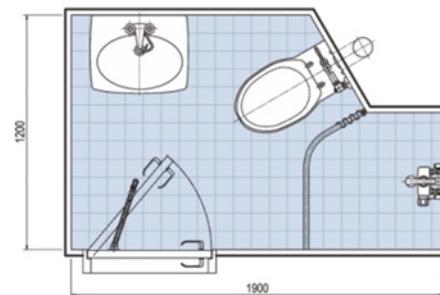
SSU type



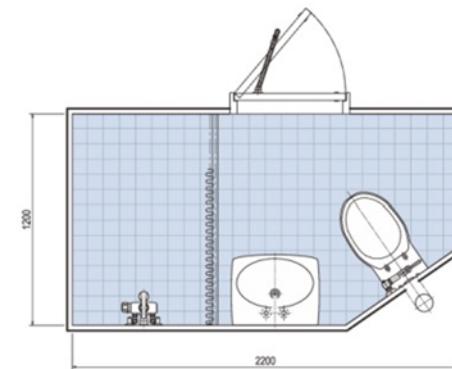
SSU type



SSU type

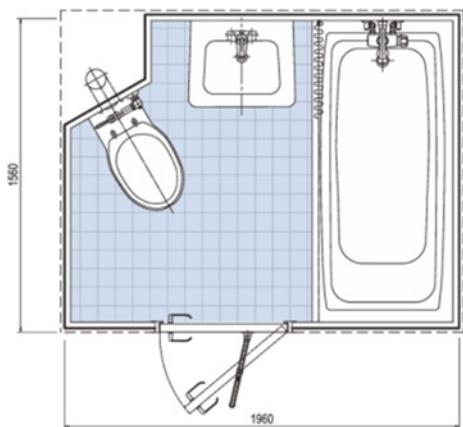


SSU type

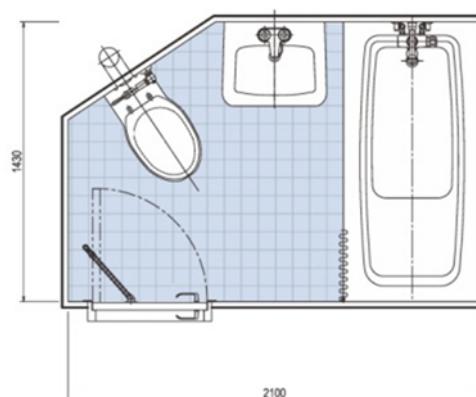


Typical Type (2/2)

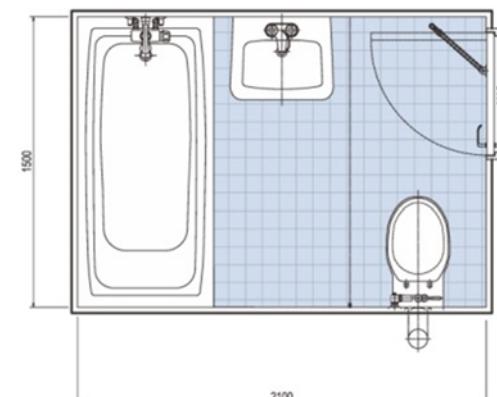
SBU type



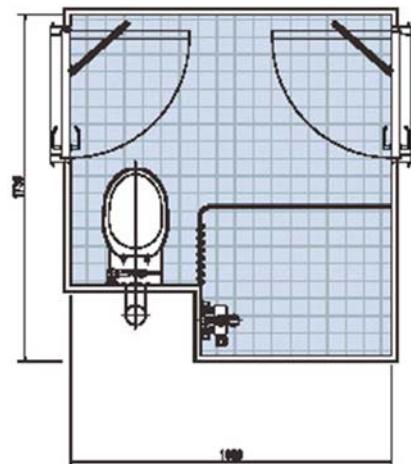
SBU type



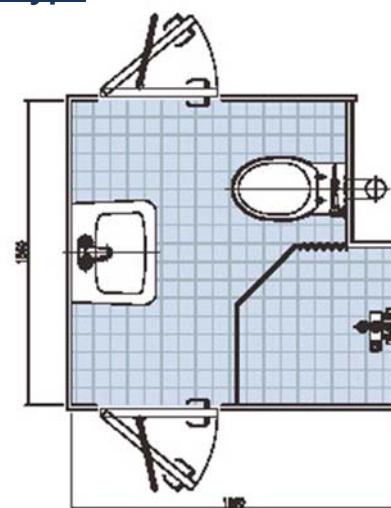
SBU type



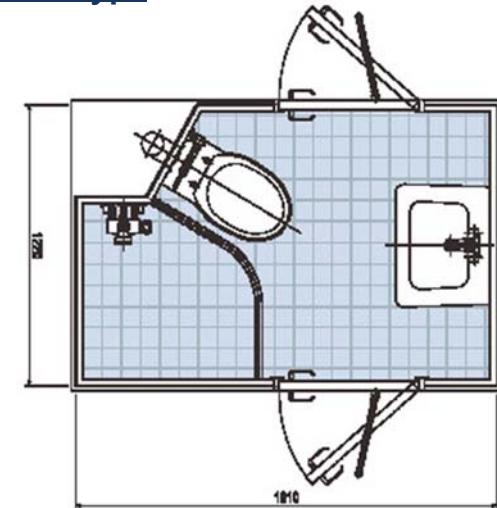
SHU type



SHU type



SHU type



Wet Unit Process

Module Production

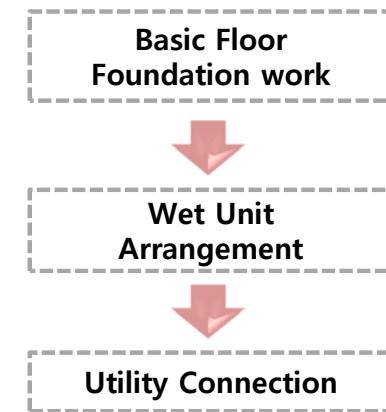
- ✓ Wet units are manufactured as standard and customized in the 7,270m² factory



Wet Unit Process

Module Transportation & Installation

- ✓ Moving by Crane, Forklift, etc.
- ✓ Module has own base element, no need for additional foundation.



Track Record



SUN BORN
6 Star floating Hotel
(Wet unit applied to all rooms)

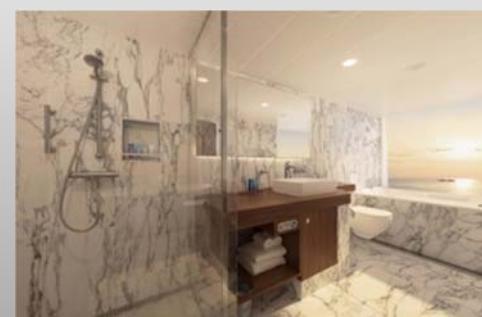


Track Record

CORALEXPEDITIONS GEOGRAPHER

5-Star Cruise Vessel for polar tourism

(Wet Unit 90 sets : Suite(6)+Passenger(54)+Crew(30))



NB872 – Cable Laying Vessel (Wet Unit 90 sets)



Track Record

실적 사진 자료

Jascon Hotel

Suite Shower Room
(Wet Unit 88 sets)



Track Record

SK Gas Station

The building that combines 9 main building modules and **3 wet units**
(Public(2)+Private(1))



Track Record

Ye-dang Rural Village

Applying Wet Unit to single-story country houses



Track Record

Singapore National Medical Center

A negative pressure treatment center built with 50 negative pressure isolation modules (**50 sets of Wet Unit**)



Track Record



PSA Port Management Office

Port management office with **3 sets of Wet Unit**
(Public(2)+Private(1))



Track Record

Cheor-won Disaster Resident Support Center

The building that combines 4 main building modules + **4 Wet Units**
(Public Toilet(2)+Public Shower Room(2))



Track Record



Pyeong-chang Winter Olympics Media Staff Hotel

Modular residence hotel with **304 Wet Units** installed

Track Record

National Medical Center

The specialized respiratory patient treatment center building completed by applying Wet Unit and a modular construction method incorporating Staus's negative pressure facility construction technology
(Negative Pressure WU(12)+Hallway WU(2)+Medical Center WU(1)+Shower Unit(4)+Public(2))



Track Record



Dongchoeon-dong Studio Apartment

It is a twin building (5 stories below the ground and 5 above the ground) designed based on the infill method, and a total **69 Wet Units** are applied to each household



Track Record



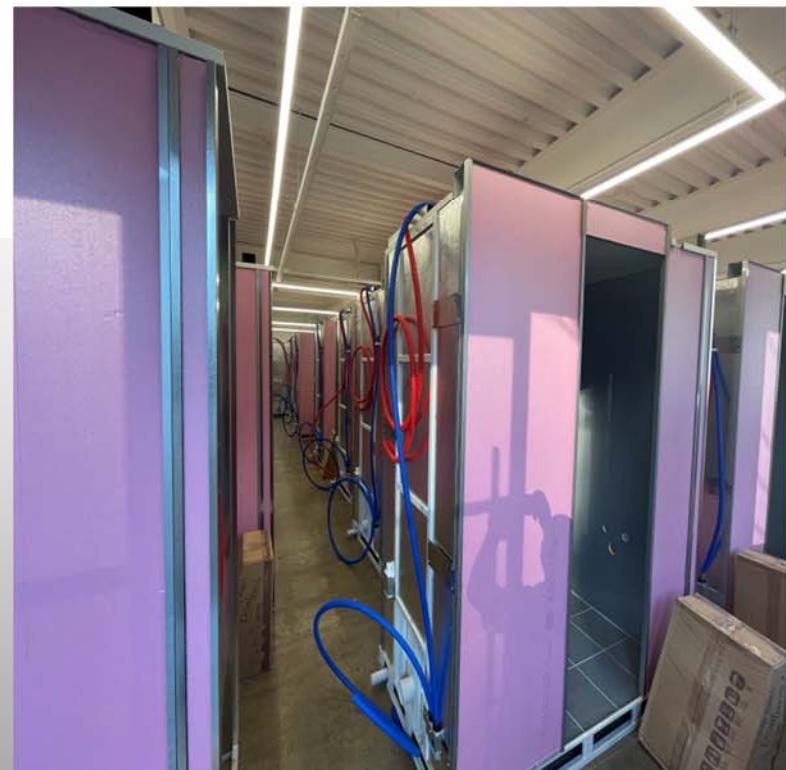
Gasan-dong 20-story Studio Apartment

It is a newly constructed studio apartment with 4 basement levels and 20 stories above ground. **390 Wet Unit** is applied to each household

Track Record

실적 사진 자료

Gasan-dong 20-story Studio Apartment

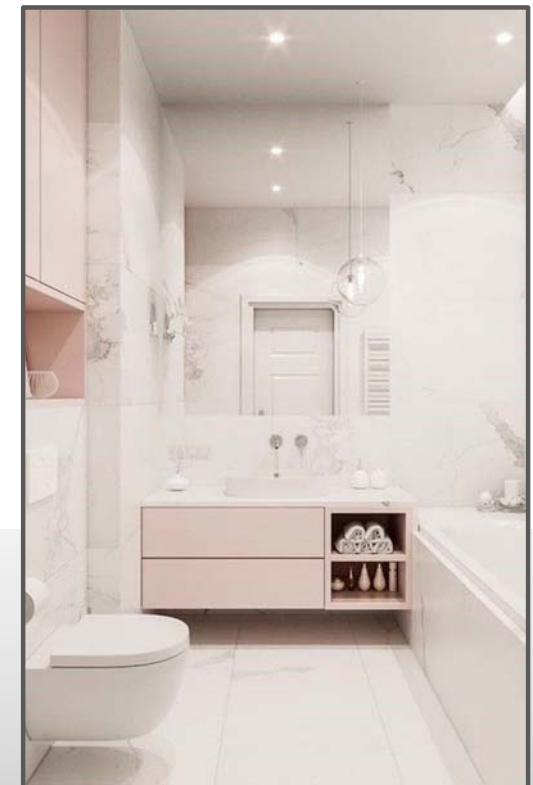


Wet Unit Design

Shower Unit



Bath Unit



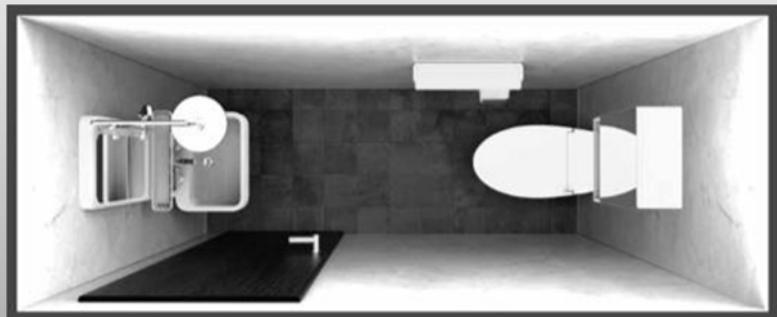
- ✓ Trendy design
- ✓ Maximize space utilization
- ✓ Creating a sense of unity in space with embedded and wall-mounted design
- ✓ Ergonomic design according to international standards

Wet Unit Design

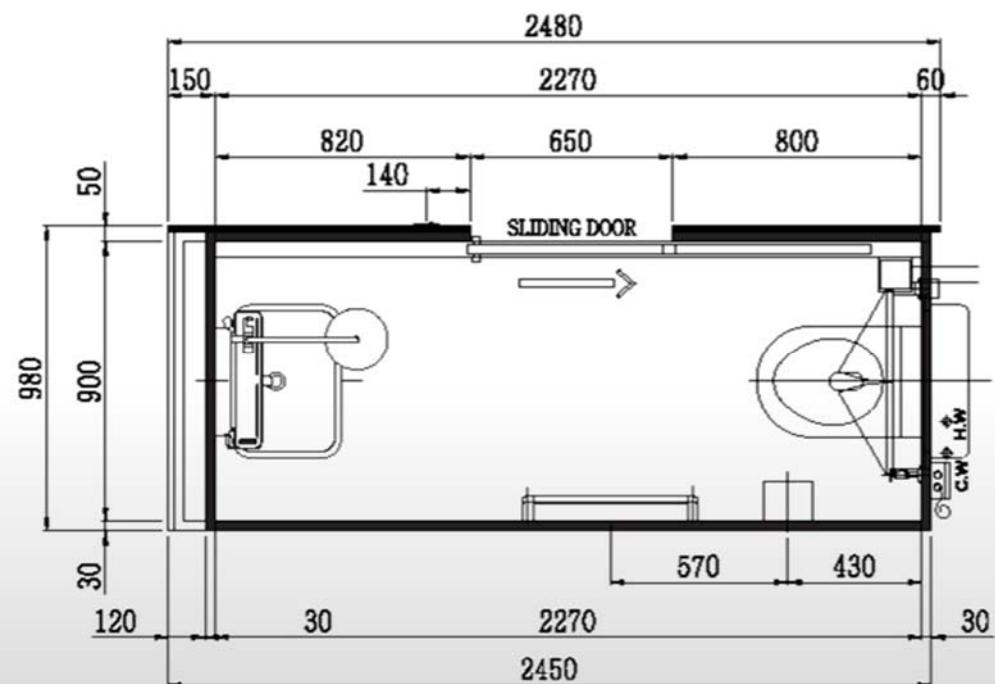


Examples of Application of Various Finishes

Wet Unit Design



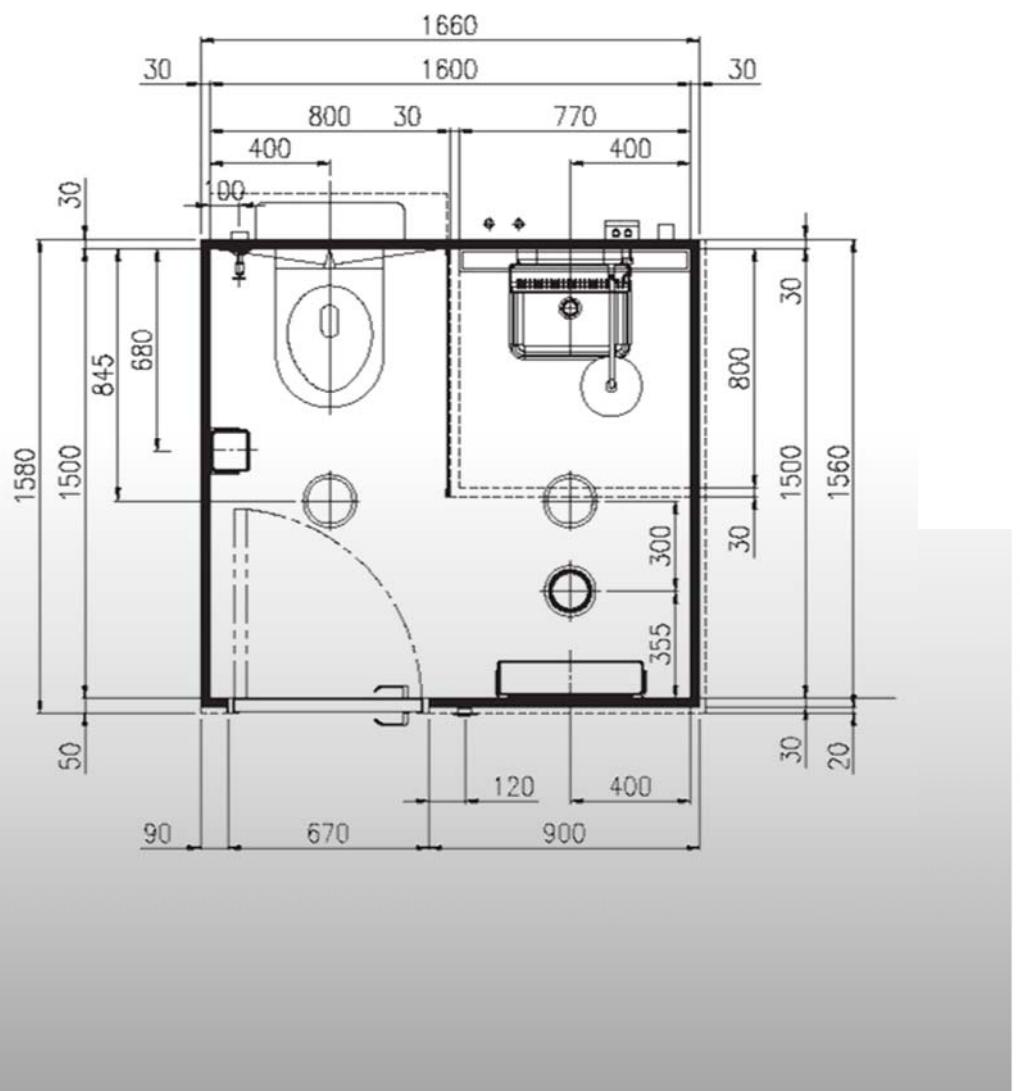
Compact Type "A"



Wet Unit Design



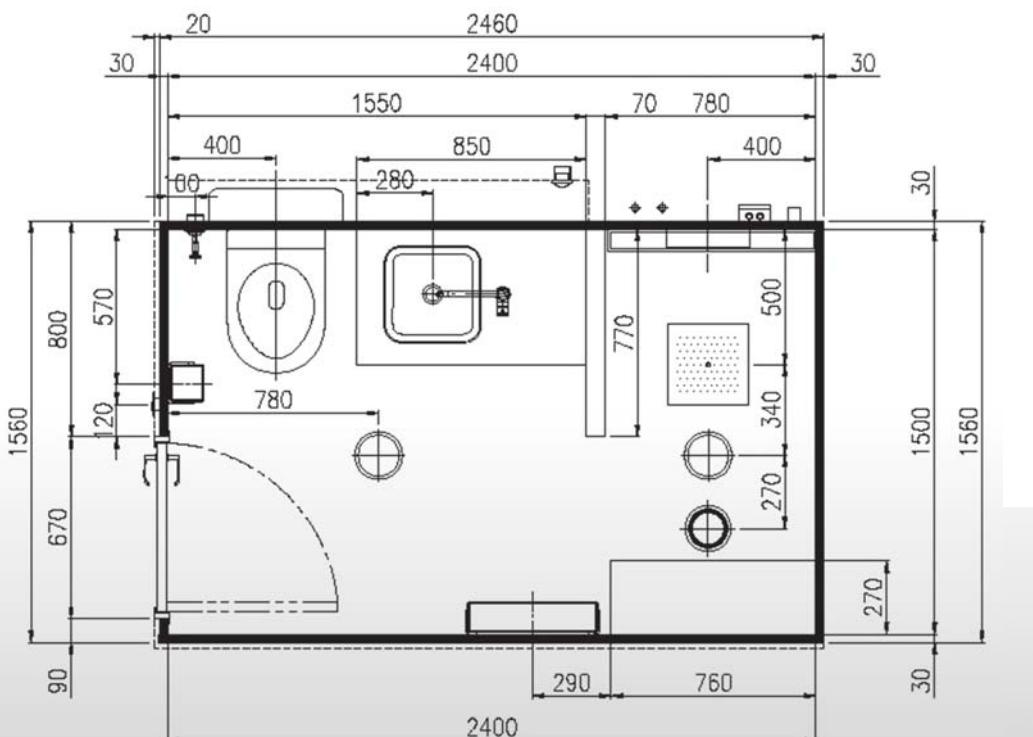
Compact Type "B"



Wet Unit Design



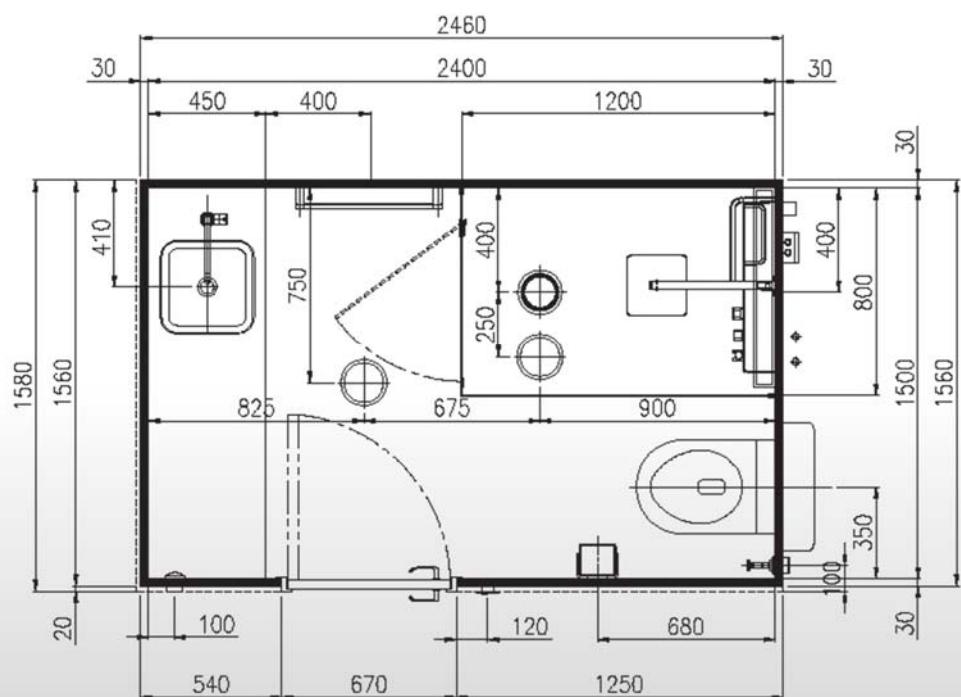
Booth Type "A"



Wet Unit Design



Booth Type "B"

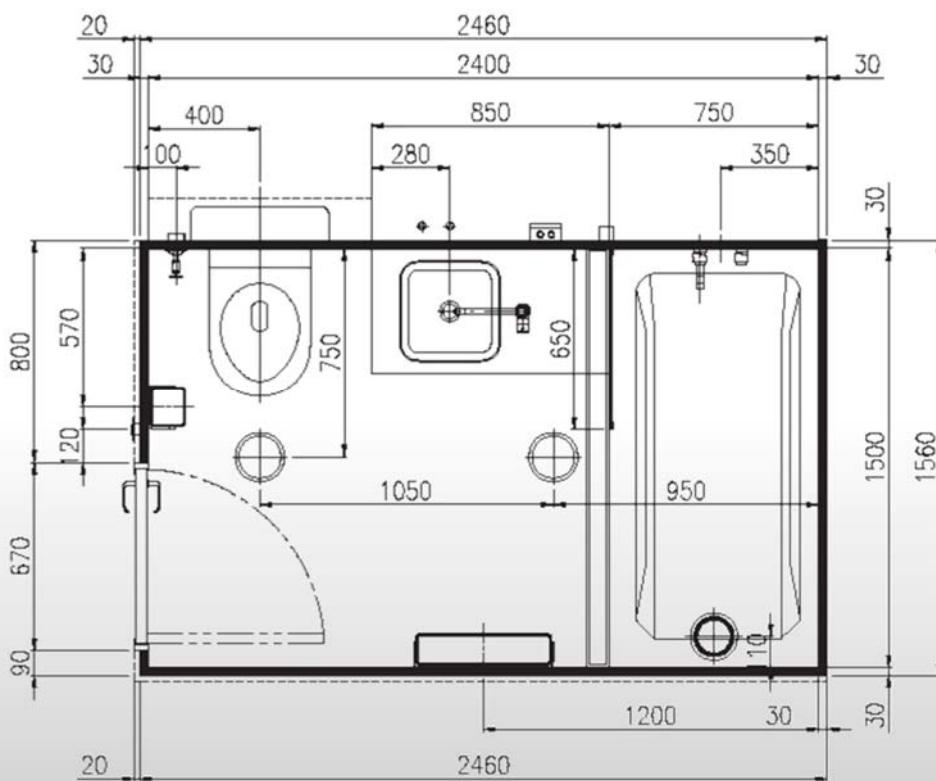


Wet Unit Design



UNIT BATH
Bathtub Type H

Bathtub Type "C"

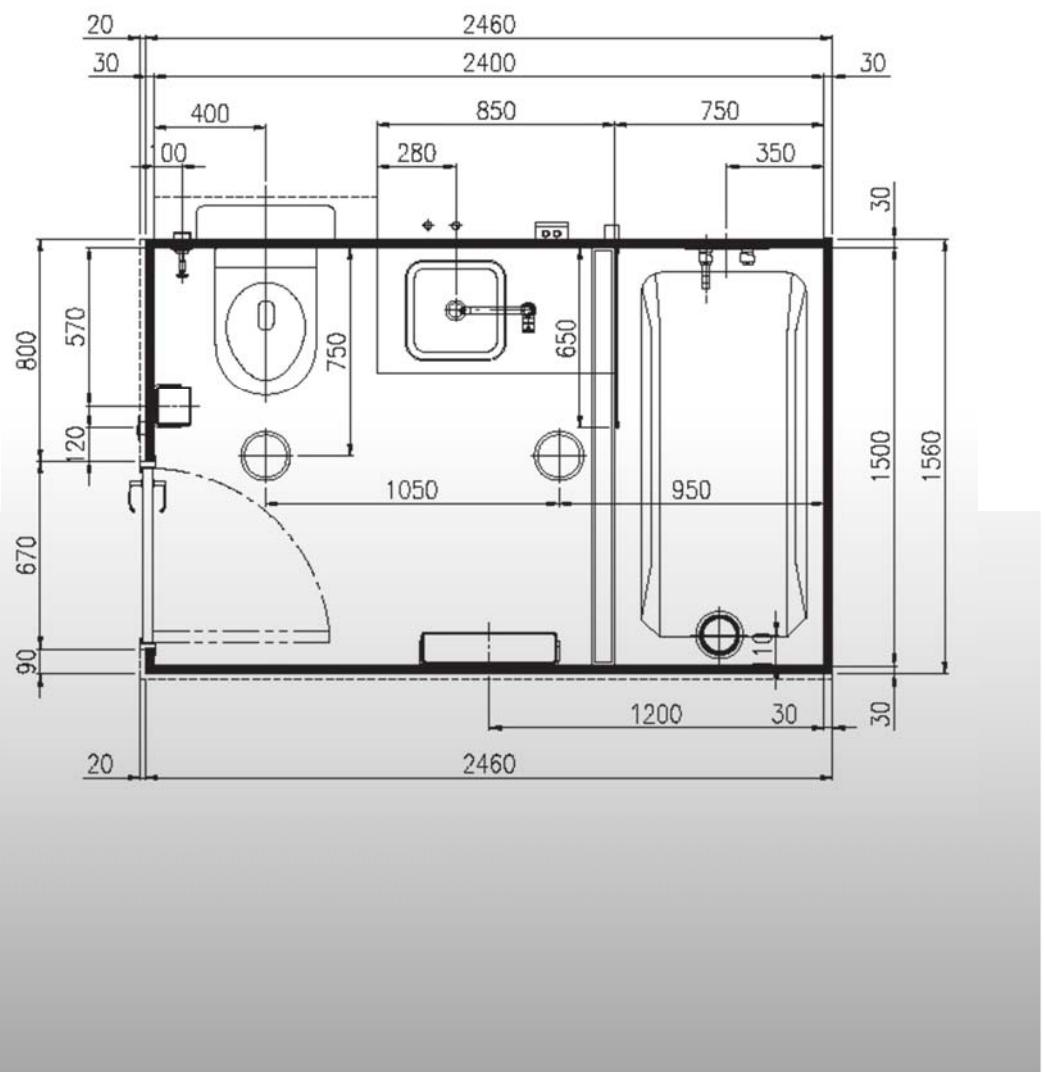


Wet Unit Design



UNIT BATH

Bathtub Type "H"



Characteristics Comparison

		CONVENTIONAL WET CONSTRUCTION	UBR SYSTEM	STAUS WET UNIT SYSTEM
Cons. Cost		2500 ~ 4300 USD	2150 ~ 3600 USD	2500 ~ 4300 USD
On-site Cons. Period		2 ~ 4 days	1 ~ 2 days	20 min. ~ 2 hours
Quality		Quality gap between rooms and buildings depending on the skill level of the craftsman	Small quality gap	Small quality gap (Factory line assembly)
Wall	Thermal Conductivity	Very high (apprx. 1.6 W/m · K)	Low (apprx. 0.09 W/m · K)	Very low (apprx. 0.034 W/m · K)
	Thermal Insulation	X	X	O
	Sound Insulation	40 dB or more difficult	40 dB or more difficult	40 dB or more possible
	Fire Resistance	X (Gypsum board, etc. for fire resistance performance auxiliary non-flammable or flammable material is required)	X	O (Non-combustible material)
	Finish	Tiles, Bricks, Epoxy, etc	F.R.P	Heat compressed flame retardant PVC (Available for most conventional finish material)
	Hygiene	X (Mold occurs)	X (Mold occurs)	O (No mold)
	Maintenance	Requires continuous repair work such as cracks in the waterproofing wall and peeling of tiles	It is advantageous in maintenance, but color change occurs	No deformation and strong stain resistance (based on heat-compressed PVC)
Floor	Leakage	O (Leakage caused by tile joint removal and waterproofing layer and cracks in concrete)	X	X (Applied steel floor pan of press method - No leakage)
	Finish	Tile, brick, epoxy, etc. (Requires waterproofing and mortar work under the finishing material)	F.R.P. (Tile can be installed if necessary)	Tile, brick, epoxy, etc. (No separate sub-work required)
Heating		O	X	O
Demolition	Waste	Generates a large amount of hazardous waste such as concrete	F.R.P waste	Metal material - Recyclable or eco-friendly treatment Insulation waste generation
	Mobility	X	X	O (movable and reusable)
Remodeling	Extension	O (Wet method requires absolute construction period)	X	O
	Partition	O (Possible for masonry work)	X	O
	Repair	O (Cement burial and demolition)	X	O (Panel separation/replacement, adding steel plate and film)



To be a star for everyone.

- Thank You -