



2018 SI MANUAL BOOK



RENAULT SAMSUNG MOTORS

The following 2018 RENAULT SAMSUNG MOTORS SI Manual details the scope of constructions, specifications, and application examples to maintain the quality of all SI spaces in Korea.
Construction companies must follow this manual when building SI spaces, and details and requirements described in this document should not be changed without necessary discussions.

2018 RENAULT SAMSUNG MOTORS SI

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1. SUMMARY

CONCEPT

DESIGN GUIDE

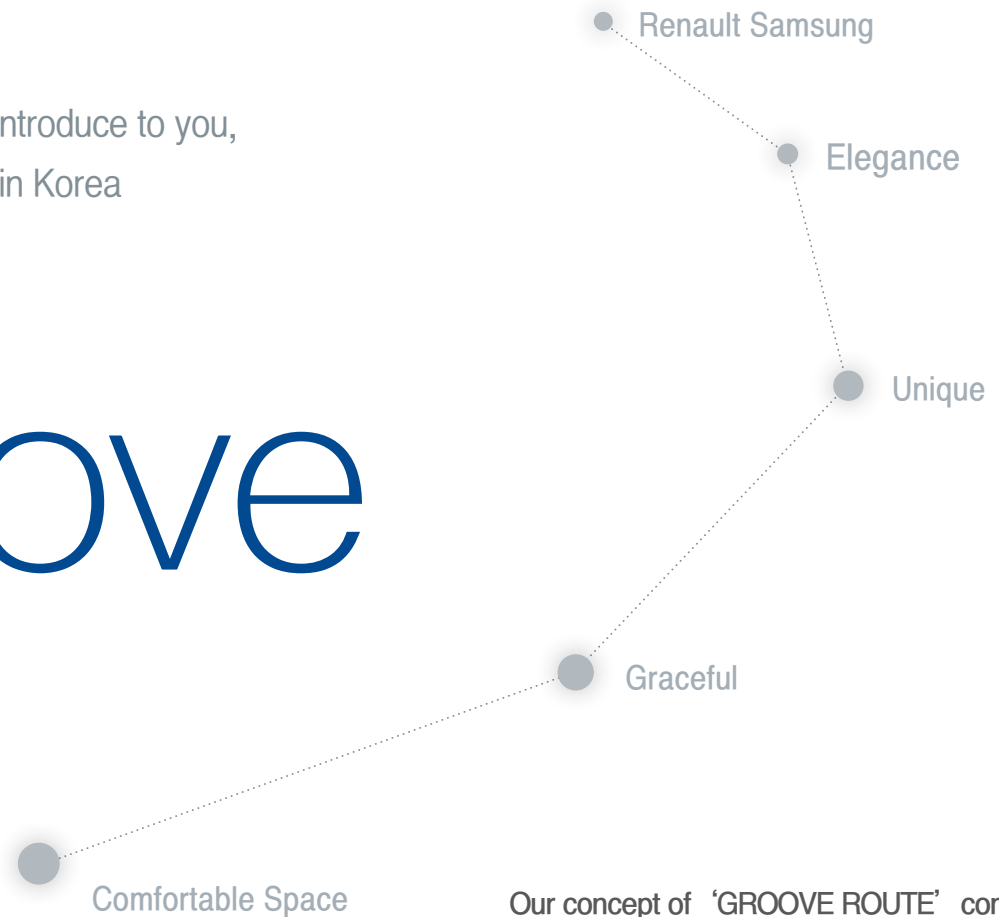
CONSTRUCTION GUIDE

SPECIFICATION

DESIGN DIRECTION AND CONCEPT

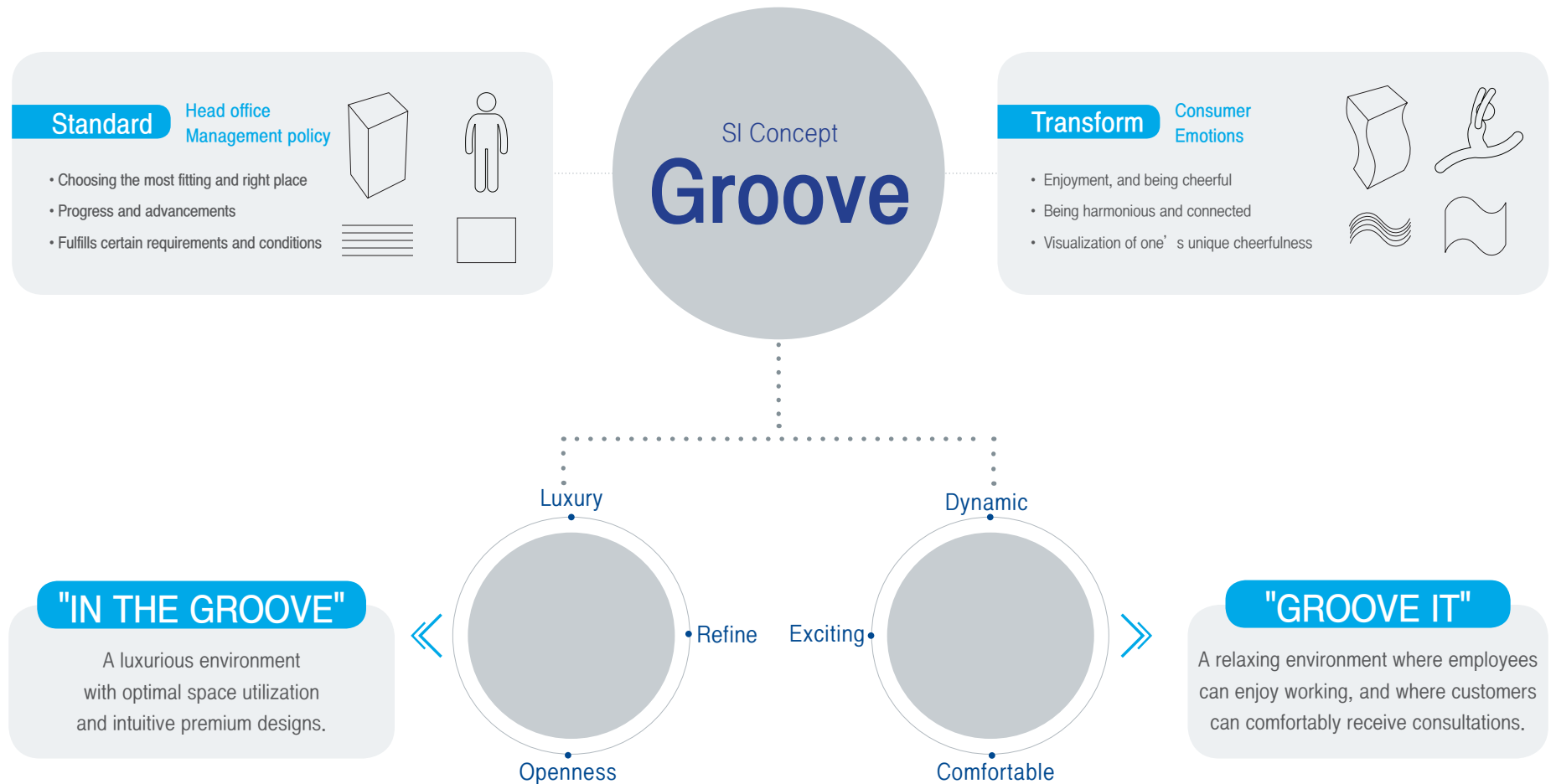
Centered on the new automobile culture, we introduce to you,
Renault Samsung Motors Store in Korea

Groove



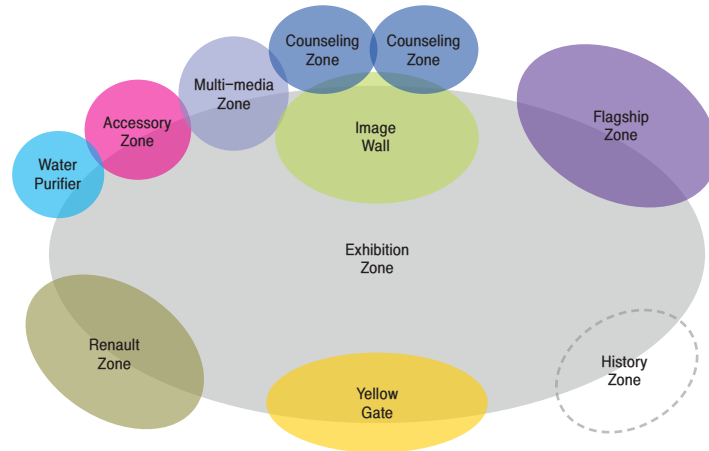
Our concept of 'GROOVE ROUTE' comes from the unique beauty and sentiment of Korea. We are creating new trends with elegant stores that ooze polish with their straightforward, free-thinking, strong, and gentle design languages.

DESIGN DIRECTION AND CONCEPT



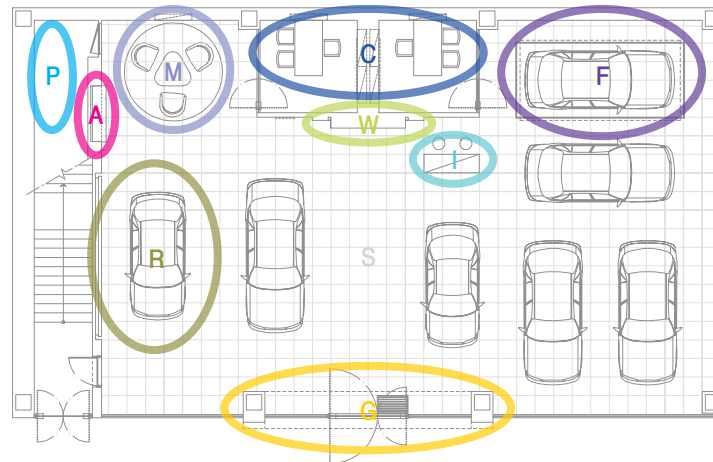
GENERAL DESIGN DETAILS

1. Lay-Out – RENAULT SAMSUNG MOTORS' SI LAY-OUT is categorized as follows.



- Yellow Gate – Main entrance/exit
- Image Wall – Brand Logo
- Counseling Zone – Reservations, and contracts
- Information
- Multimedia Zone – Resting and counseling
- Flagship Zone – An Exhibition Zone centered around our main vehicle
- Renault Zone – Exhibits the image of Renault Samsung' s partnership and our main vehicle
- Accessory Zone – Sells vehicle accessories, displays vehicle specs
- Water Purifier – Various drinks and snacks
- History Zone – Exhibits the history of Renault Samsung Motors

– RENAULT SAMSUNG MOTORS SI LAY-OUT is constructed as follows.



- 1) Yellow Gate and the Image Wall must face each other.
- 2) Counseling zone is located behind the Exhibition Zone, separating customer traffic.
- 3) Most zones can be adjusted/moved, but customer traffic must be considered.

GENERAL DESIGN DETAILS

2. Lay-Out ITEM

– RENAULT SAMSUNG MOTORS' SI ITEM

	Image Wall	Information	Counseling Zone	Multimedia Zone	Flagship Zone	Renault Zone	History Zone	Accessory Zone	Water Purifier
Standard	●	●	●	●	●	●	(●)	●	(●)

● Essential (●) Option

- Based on the situation and design of the exhibition floor, details of Lay-Out Item (referred to as 'Item' below) can be adjusted or omitted after the details are discussed with RENAULT SAMSUNG MOTORS' SI department.
- There should be 2 or more Counseling Zones in each store.
- There should be only 1 Flagship Zone, and 1 Renault Zone in each store.
- History Zone and Natural Wall must be built and applied after the details are discussed with RENAULT SAMSUNG MOTORS' SI department.
- If other Items are needed other than those designated, discuss the details with RENAULT SAMSUNG MOTORS' SI department and receive approval before applying additional items.

GENERAL DESIGN DETAILS

3. Individual Details

- The main entrance/exit (for customers) and Image Wall must face each other.
- The ceiling between the main entrance/exit (for customers) and Image Wall must include louver.
- Counseling Zones must be constructed based on the image.
- Counseling Zones must be of optimal size based on the conditions of the store in question.
- 40" TV and canvases are installed on Counseling Zones walls.
- The recommended size of TVs in Multimedia Zone is 50".
Its size can be adjusted after the details are discussed with RENAULT SAMSUNG MOTORS' SI department.
- In case of Graphic Wall, canvases and light panels can't be installed on the same surface. (possible on other surfaces)
- Accessory Zone should be wall-mounted, but island or column-types can be used if the details are discussed with RENAULT SAMSUNG MOTORS' SI department.
- Accessory Zone and Water Purifier are recommended to be placed side-by-side.
- Water Purifier can be installed separately.
- Size of the panel of Renault Zone can be adjusted based on the conditions of the store in question.
- Exhibited vehicle should generally be placed perpendicularly or horizontally in relation to the Image Wall.
However, it can be placed diagonally if space is limited.
- Exhibited vehicles must be at least 600mm away from windows.
- There should be at least 900mm of space between exhibited vehicles. (If the doors face each other: 1,200mm or more)
- Information displays for exhibited vehicles should be aligned with the floor tiles under the front of the vehicle.
- ID Signs must be installed near the entrance of the office, which is located on a different floor from the exhibition floor.
Its height should be 1,800mm (from floor to top), and 100mm apart from the office entrance.
(If the office is on the same floor as the exhibition floor, discuss the details with RENAULT SAMSUNG MOTORS' SI department before proceeding.)
- If pieces of custom furniture can't be placed due to the situation of the store in question, discuss the details with RENAULT SAMSUNG MOTORS' SI department to adjust the size.
- Other Items (RSM History/Renault/Flagship) should be designed and built based on this manual.
(Determine its feasibility and discuss the details with RENAULT SAMSUNG MOTORS' SI department before proceeding.)

General Construction Details

To maintain the fluidity of the process, and unification of our stores' interiors, constructions and designs must follow the details described in this manual.

- | | |
|---|---|
| 1. Scope | <ul style="list-style-type: none"> – This manual describes the requirements all stores of RENAULT SAMSUNG MOTORS' SI must follow. Construction details that aren't described in this manual should follow the standard manual provided by the Ministry of Construction. |
| 2. Materials and Sample Products | <ul style="list-style-type: none"> – All materials and facilities in our constructions must follow KS (Korean Industrial Standards), and finishing materials should be chosen after discussing the details with RENAULT SAMSUNG MOTORS' SI department. – If such materials (that follow KS) aren't available, discuss the details with RENAULT SAMSUNG MOTORS' SI department and receive approval before using other materials. – If finishing materials or colors described in this manual aren't available, propose the alternatives to RENAULT SAMSUNG MOTORS' SI department before proceeding. |
| 3. Use of Interior Materials | <ul style="list-style-type: none"> – Flame resistant and inflammable materials must be used. – If a certain part of the interior requires other materials, discuss the details with RENAULT SAMSUNG MOTORS' SI department to use other materials. |
| 4. Inspection | <ul style="list-style-type: none"> – Inspections are made after construction-related preparations are complete. – If the space doesn't follow the requirements described in RENAULT SAMSUNG MOTORS' SI manual, or if defects exist, adjustments must be made based on the inspector's comments. |
| 5. Construction Photos | <ul style="list-style-type: none"> – Before-construction photos: 2 or more photos of the exterior (surrounding environment), 6 or more photos of the interior – Progress photos per process (Photos of materials that will not be shown after completion must be included) – After-completion Photos: 2 or more photos of the exterior (including nighttime), 10 or more photos of the interior – Photo submission : Attach/Include photos on the balance document to submit them |

General Construction Details

6. Constructions that are not included in SI MANUAL

- If designs or construction methods that are not described in SI MANUAL need to be used, create a design document detailing what they are, and submit it to RENAULT SAMSUNG MOTORS' SI department to receive approval before proceeding.

7. Site Management

- 1 on-site manager must be deployed on the construction site to manage the general process.
(On-site managers must have full knowledge of RENAULT SAMSUNG MOTORS' SI manual and have received necessary education)

8. Completion

- Completion of SI (interior, furniture, façade, sign), facility equipment (office equipment, A/C), and VMD are required to finish the construction.
- If a part of the building is damaged during construction, the construction company must repair the damage(s) before finishing the construction.
- After the construction is complete, the construction company must sign-up for, and submit Warranty and Guarantee Insurance.

9. A/S

- The construction company must contact the store in question regularly to check for any defects. If any occur, A/S must be provided immediately after discussing the details with RENAULT SAMSUNG MOTORS' SI department.
- Overall A/S (warranty) period is 2 years. However, it is 1 year for LED lamps. (LINNO products are excluded)
- LINNO products are under A/S (warranty) for 5 years. (2 years for SMPS)

Specifications Guidelines

- This manual is written based on the principles of 'RENAULT SAMSUNG MOTORS' SI'
- Inside dimensions are used in this manual.
- Other than contracted works for signs, facility equipment, and VMD (schedules related to these need to be discussed beforehand), all contract works are handled by an interior company.
- All materials must follow KS standards, and specified materials in the spec-list must be used.
- If the specified material(s) cannot be procured (discontinued), discuss the details with SI department before proceeding with other materials.
- The construction must be made based on the detailed floor plan and the manual.
- Omitted details that aren't included in the detailed floor plan or the manual must be discussed with RENAULT SAMSUNG MOTORS' SI department before proceeding.
- All processes must be validated through laser scanning (electronic sensor: minimizes the margin of error caused by the laser) before proceeding. (ensures perfect perpendicular/horizontal lines in constructions.)
- Markings must be made based on the S.P. (Start Point) of floor tiles before proceeding with construction.
- Finishing touches must be made thoroughly on points of contact.
- All laws and regulations related to fire safety / signs / electricity safety / etc. must be followed during construction.
- On-site construction and sub-constructions must use products and equipment that can be grounded.

Specifications Guidelines

1. Preliminary works (Tear downs)

- Preliminary works must be made after all necessary details are discussed with RENAULT SAMSUNG MOTORS' SI department.
- Safety inspections and finishing touches must be made on electrical components before preliminary works take place.
- Preliminary works must be handled by an authorized company, and occupational health and safety insurance must be joined by the company who is handling the work.
- The level of asbestos must be checked beforehand.
- If structures made with asbestos are part of the preliminary work, an authorized company must handle the work and a qualified supervisor must be present on-site.
- If the on-site situation/environment is different from what was discussed with RENAULT SAMSUNG MOTORS' SI department, additional discussions must be made before proceeding.

2. Temporary construction

- Temporary partition walls must be installed to ensure the safety of pedestrians. Designated banner that details the opening date must be posted.
- Based on on-site situation and environment, it might be impossible to install partition walls. In this case, alternative solutions must be proposed by discussing the details with RENAULT SAMSUNG MOTORS' SI department.
- Wooden plywood (1,220X2,440X4.5T) + Two by four (3,600X30X69) must be used, and if noise complaints are expected, sandwich panels (EPS panel, 50T) must be used.
- On-site managers oversee organizing, cleaning-up, and rebuilding process. The managers are also in charge of general safety until the construction is completed.
- Instruction panels that contain details on safety management must be installed/attached on-site.
- On-site personnel must all wear safety gear, and supervisors must enforce workers to wear them.
- Safety gear includes safety helmet, safety shoes, gaiters and all other equipment and tools related to safety.
- Our construction sites are strictly non-smoking zones, and any type of burning objects or settings things on fire is prohibited.
- The construction must not interfere with nearby stores' businesses or pedestrians. Roads near the site must be kept clean.
- If the sidewalk outside of the construction site is tainted/damaged, high-pressure cleaning or floor-sanding must take place to maintain the public image of the Exhibition Zone.
- Temporary partition walls should be 2,440mm high, but exceptions can be made based on the conditions of the environment.
- If exterior glass (windows) can't be torn down, only adjustment that can be made during the construction is hanging banners (from inside).
- Banners can partly be taken down during construction if needed. However, it must be posted again after the day is over, or the construction is on hold.

Specifications Guidelines

3. Facade Construction

- Only exterior of the Yellow Gate must be built.
- Yellow Gate's angle of inclination is recommended to be 3 degrees, but adjustments can be made after discussing the details with RENAULT SAMSUNG MOTORS' SI department.
- If the Yellow Gate is only built to be a sign, the (3-degree) angle must be removed.
- The Yellow Gate's entrance/exit must be 300mm below the lower edge of the sign.
However, adjustments can be made in units of 100mm based on the condition of the site.
- If exterior columns are included as a part of the Yellow Gate, two columns must be built.
(If the distance between the two columns is 6,000mm or more, it must be installed on a glass surface.)
- Yellow Gate's columns can be adjusted based on the width of the sign.
(Must be discussed beforehand with RENAULT SAMSUNG MOTORS' SI department.)
- Caulking on the Yellow Gate must be made with yellow silicon.
(Use taping method as a base, and fill in the gaps with silicon to make it as narrow as possible.)
- Rainwater inlet must be placed on top of the sign and the Yellow Gate.
- Internal rainwater inlet must be placed within the Yellow Gate.
- Storm drains must be installed with block-shaped caps to prevent foreign objects from getting in.
- A drainage hole must be placed at the side of the gate based on specifications.
- The width of offsets on both sides of the Yellow Gate must not exceed 2cm.
- 3 electric lines (Typhoon logo / Main sign, Branch name / Line LED) are used in signs.
- An inspection hole must be placed on top of the Yellow Gate to allow future inspections.
- The inspection hole must not be closed until the construction is over. After it is over, the hole should be plugged to prevent rainwater from getting inside. (Silicon recommended)
- All LED pipe's SMPS must be inspectable from within the Yellow Gate.
- Frameless glass is recommended, but if the building's existing exterior glass is reused, the existing frames can be maintained.
- 12T transparent tempered glass (referred to as 'glass' below) must be built/installed without frames.
However, the housing for the top and bottom of the glass must be burrowed inside.

Specifications Guidelines

3. Facade Construction

- The basic width of the main entrance/exit must be 2,500mm. It is divided into a 1,000mm–wide door for customers, and 1,600mm–wide door for vehicles.
(Based on conditions, its width can be adjusted in units of 100mm after discussing the details with RENAULT SAMSUNG MOTORS' SI department)
- If the entrance/exit must handle larger vehicles, the door's size can be adjusted after discussing the details with RENAULT SAMSUNG MOTORS' SI department. (Safety checks must be made before the construction)
- Door handles are only installed on doors for customers. Handles are not installed on doors for vehicles.
- Designated sheet must be attached on tempered doors, and an H-bar should be installed on the bottom.
- Exterior floor tiles and interior floor tiles must be matched (extended) and the same tiles used.
- Exterior grout lines and interior grout lines must be matched (extended).
- In case of exterior tiles, the width of grout lines must be 2mm or narrower.
- Floor grout lines must use grey grout (KS certified).
- Edges of floor tiles must be mold-finished with □20mmX20mm SST'L HAIRLINE.
- If needed, rainproof electrical outlet can be installed on the side of the side columns.
- If needed, vehicle slopes can be installed after discussing the details with RENAULT SAMSUNG MOTORS' SI department.
(Ground lines must be checked before construction)
- In case of signs, local government's regulations must be checked before construction.
- 3 electric lines (Typhoon logo / Main sign, Branch name / Line LED) are used in signs.
- Typhoon logo, Channel, and Line LED are controlled with an on/off timer.
- The timer must be set to turn the sign on twice a day.
Regardless of season : 06:00–08:00 / Summer (Apr–Sep) : 18:00~24:00 / Winter : (Oct~–Mar) 17:00–24:00.
- Local government's regulations must be checked before installing protruding signs or pillar signs.
- If a certain part of the construction must be made in different dimensions (described in the manual), its details must be discussed with RENAULT SAMSUNG MOTORS' SI department before proceeding.

Specifications Guidelines

4. Wall Construction

- Mop racks must be 30mm high, –10mm deep, and painted in grey. (Image Wall is painted in designated yellow)
- The walls must be built with STUD (65mmX45mm: KS, 0.8T or thicker) and BRACE CHANNEL (Carring finishing after perforating STUD).
- STUD framework must use 30mmx30mm Carring or Lauan lumber (referred to as 'Lauan lumber' below) to reinforce the base wall (concrete).
- After building the STUD framework, two 9.5T gypsum boards must be fully coated with putty.
- Sanding must be done with Sendai (attachable vacuum cleaner) / and spray-coated.
- In case of walls, Acrylic: 1 putty > Handycoat: 2 putty > 3 putty, before fully coating with putty.
(Parts that are prone to bursting must be covered with lawn fabric and coated with Ogong glue.)
- All painting must be done using designated colors/products after referring to our sample. After the sample colors are applied, it must be approved by RENAULT SAMSUNG MOTORS' SI department before fully applying the paint.
- Designated Lacquer product (white / half-gloss: 15–20%) must be used.
- Although basic STUD framework is recommended, wooden framework can be used if the details are discussed with RENAULT SAMSUNG MOTORS' SI department.
- If wood is used, the framework must be built using Lauan lumber.
- MDF and plywood's joints must be reinforced with Lauan lumber from behind.
- Coarse thread construction is used in most cases, but in case of attaching walls or RUNNER to the floor, Staple Tackers (GUN) must be used.
- Tackers cannot be used when constructing with gypsum boards. (Coarse thread construction)
- Office doors/Storage doors ('door' from below) must be attached to wall surfaces and use spring hinges.
- If a piece of 'custom furniture' needs to be placed between a wall and a column, check the dimensions of the space and collaborate with the furniture maker to build the piece of furniture in the right size.
- 10mm-thick grout lines must be placed at 930mm and 2,590mm away from the floor.
- If the basic height of the ceiling is 2,700mm or lower, the grout line located at 2,600mm must be lowered to 2,450mm.
(the grout line at 930mm must maintain its height)
- The part where the wall is joined by the floor must be finished with grey silicon.
(Tape the joints, and fill in the gaps with silicon to minimize its width.)
- Electrical outlets can be installed on walls if needed.
- Individual columns on the exhibition floor must include grout lines identical to walls.

Specifications Guidelines

5. Image Wall Construction

- The Image Wall should be 2,420mm wide.
- Linno lights must be inserted at each end and at the bottom of the Image Wall.
- Attached Composite panels must be butt constructed after the framework is built.
- Composite panels must be in the designated color (yellow / half-gloss: 15%–20%).
- The surface where the 'Typhoon logo' is attached must be reinforced with 9T plywood, and 1 gypsum board (wiring must be done before reinforcing the 'Typhoon logo' sign)
- 'Typhoon logo' should be 450mm tall, but it can be adjusted based on the size of the Image Wall.
- 'Typhoon logo' must be installed with a diffusing panel on its back to stop the LED light from shining on walls.
- The slogan should be 65mm tall, but its size can be changed as long as its ratio is maintained with the 'Typhoon logo'.
- 'Typhoon logo' and slogan are installed on the center of the Image Wall. Their heights should be at least 1,750mm. (Based on the center of Typhoon logo.)
- The timer for 'Typhoon logo' must be set to turn the sign on twice a day. Summer (Apr–Sep): 18:00–24:00 / Winter: (Oct–Mar) 17:00–24:00.

6. Counseling Zone Construction

- A built-in bottom cabinet (referred to as 'bottom cabinet' below) should be installed on Counseling Zone's wall.
- The bottom cabinets should be 1,800mm wide, and 930mm tall (mop rack included). Its width can be adjusted. (Height should be fixed.)
- The bottom cabinet should be partitioned at 600mm (center), but it can also be done at 1,200mm (center).
- The bottom cabinet must be built with 18T MDF and painted identically to walls. (Install on-site after building the cabinet in a factory.)
- Basic desk system boxes must be placed below the side table. (3 UTP cords, 1 power line.)
- Ready-made desks and chairs must be used. (Size can be adjusted.)
- All Exhibition Zones should be equipped with a Counseling Zone. When a Kick-off Meeting happens, related factors must be discussed with RENAULT SAMSUNG MOTORS' SI department.
- Based on the situation, the space's size and form can be adjusted.
- A canvas and a 40" TV must be installed on its internal wall.
- Its exit must be made with 12mm-thick tempered glass.
- Its floor must be covered with a designated carpet.
- Its ceiling must be covered with painted gypsum plates (black) + louver (black). Ducts and inspection hole should also be installed on the ceiling.
- A variety of lighting methods can be implemented based on the situation, but designated lighting equipment must be used.

Specifications Guidelines

7. Multimedia Zone

Construction

- The TV cabinet should be built to house a 50" TV, but its size can be adjusted if a TV of a different size is used.
- Electrical outlets and LAN cables are installed inside the TV cabinet. Its location should be at the 1/3 point from the left in front. (Can be adjusted.)
- The TV cabinet and the pamphlet space must be painted in white.
- Ready-made tables and chairs must be used.
- Tables and chairs must be placed on top of the designated rug.
- The rug should be Ø3,200mm. (Can be adjusted based on conditions.)
- Electrical outlets should be installed on the floor below the tables. (2 UTP cords, 1 power line.)

8. Renault Zone

Construction

- The walls must be housed and installed with fabric panels and an internal sign.
- The walls and fabric panels must be on a same surface.
- Inner parts of the housing must be painted with Lacquer (grey) on-site.
- Electrical wiring for lights must be installed inside the housing.
- Renault's logo must be included on the internal sign, and be built with composite panels that are painted black.
- The size of fabric panels can be adjusted. (The size of designated images should be maintained.)
- The images must not be altered/changed.
- The mop rack must be 30mm high, –10mm deep, and painted in grey.

Specifications Guidelines

9. Graphic Wall

Construction

- Canvases are installed on top of the wall (reinforced with 9T plywood).
- The number of canvases and their locations must be decided by discussing with RENAULT SAMSUNG MOTORS' SI department.
- Canvases are recommended, but light panels can be installed after discussing the details with RENAULT SAMSUNG MOTORS' SI department.
- The images on canvases and light panels cannot be changed/altered.
- The size of canvases in the exhibition space must be 2,400mmX1,200mm. Its top edge should be aligned with upper grout lines on walls.
- The size of canvases in Counseling Zones must be 1,800mmX900mm. The distance between the floor and its bottom edge must be 1,300mm.
- The size and location of canvases can be changed after discussing the details with RENAULT SAMSUNG MOTORS' SI department.

10. Natural Wall

Construction

- This construction is optional, so discussions must be made with RENAULT SAMSUNG MOTORS' SI department before proceeding.
- The Natural Wall is made with wood foam, and is installed on top of a wall between its two grout lines.
- Wood foam is built by laser-cutting MDF 9T, 3T. After it's attached, it should be painted identically to walls.
- Wood foam's size is determined based on its pattern. The images on the foam cannot be changed/altered.
- Wood foam must be fixed using silicon and tacker pins. Places where tacker pins are placed should also be painted identically.
- Wood foam should be 1,650mm tall.
- If it can't be 1,650mm tall, its dimensions must be scaled before adjusting its length.

Specifications Guidelines

11. Accessory Zone

Construction

- Types of Accessory Zones can be divided into wall-mount, island, or column.
- Accessory Zone and Water Purifier should be installed close to each other.
(Their layout must be finalized by discussing it with RENAULT SAMSUNG MOTORS' SI department.)
- Accessory Zone can be adjusted based on the shape and layout of the exhibition space.
- Electric wires must be installed within the wall where the Accessory Zone is placed.

12. Water Purifier

Construction

- Water Purifiers should be attached to walls. The distance between the wall and the purifier's top and both sides should be 10mm.
- The size of the Water Purifier should be (W)1,200mm / (H)2,100mm, but its size can be adjusted based on conditions.
- Water Purifier should be installed close to Accessory Zone.
- Water Purifier can be installed separately, but its details must be discussed with RENAULT SAMSUNG MOTORS' SI department before proceeding.
- Bottle-type purifiers are recommended, but drain-type purifiers can also be used based on conditions.
- Water supply and drainage system must be checked before installing the purifier.
- Necessary water supply lines and drainage system (if drain-type) must be installed before base walls are installed.
- An electrical outlet must be installed on a wall where the purifier is installed. (Must be at least 50mm apart)

Specifications Guidelines

13. Ceiling Construction

- The ceiling (exposed concrete) must be painted in a designated color (black).
- The concrete's surface must be cleaned before being painted.
- An air conditioning system (black) must be installed. If existing air conditioning system is going to be used (if not black) its covers should be replaced.
- Pipes for the air conditioning system should be made with spiral ducts.
- If Linno lights are installed, its brackets must be reinforced with metal pipes.
- Ready-made louvers that are 50mm wide / 100mm deep must be used.
- Louver brackets must be bolted 900mm away from each other. (Brackets should be installed on both ends regardless of the distance.)
- The louver must cover the area between the Yellow Gate and the Image Wall, and a designated ready-made mold must be used. (Must be 10mm away from wall surfaces.)
- Louvers must be covered with designated sheets. (Louver joints shouldn't have gaps in them, and be covered with the same sheet.)
- A rectangular-shaped light must be installed on the center of the louver.
- SPOT lights (D2) in front of the Image Wall should be at least 350mm away from the Image Wall.
- Internal ceiling of the Yellow Gate must be made with gypsum and painted white.
- CCTVs and other theft-prevention devices must be wired before the ceiling is constructed, and details must be discussed with the security service provider beforehand. (Its wires must not be exposed)
- Fire-fighting/prevention equipment should be installed while following related laws. (Its wires must not be exposed)

Specifications Guidelines

14. Floor Construction

- After measuring the area, mark the floor based on the floor tiles' S.P. (Start Point) before proceeding.
- ONE-TONE (grey) tiles must be used.
- Tiles must be 600mmX600mm big, and joints should be 2mm thick.
- Exterior tiles and interior tiles must be aligned (extended).
- Exterior grout lines and interior grout lines must be aligned (extended).
- Grout lines on floors must use grey materials (KS certified).
- Parts of floor tiles that touch walls should be covered in silicon.
(Use taping method as a base, and fill in the gaps with silicon to make it as narrow as possible.)
- For locking mechanisms on door, associated holes must be made on tiles (beware of cracks) and coated with silver (nickel-plated) stripe siding.
- Designated electrical outlets on floors ('floor outlets' from below) must be 60mm tall, and top surface must be checked with laser equipment to ensure height and GL (level 0).
- Floor outlets must face a certain direction, so be sure to check the details before installing the floor box. (They should face the employees (inward.))
- At least 1 floor outlet should be installed per vehicle.
- System mats (cast-in-place) for cleaning dust must be installed behind the entrance/exit, and its width must be same as the entrance/exit.
(W:2,600mm Door – W:1,000mm System mat / W:2,000mm Door – W:2,000mm System mat)
- The system mat must be made with SUS frames, and its cells should be 5mm or closer from each another. (Rubber finishing / black.)

15. Electric Construction

- The required amount of electrical capacity for the space must be checked before construction. If more is needed, discuss the details with RENAULT SAMSUNG MOTORS' SI department to make necessary additions.
- Additional electricity should be provided by the landlord. If it can't be done, discuss the details with RENAULT SAMSUNG MOTORS' SI department to make necessary adjustments.
- Distribution boxes must be built and installed following KS standards.
- Distribution boxes must be installed in places that are hidden from the exhibition floor such as offices or storages.
- Wiring must be done in floors, walls, signs, and air conditioners following SI's guidelines. Only KS-certified electrical equipment must be used.
- Only use KS-certified circuit breakers, and the total electric capacity must be calculated considering a 20% loss in electricity.

Specifications Guidelines

15. Electric Construction

- For electric pipes, use flame-resistant CD pipes, and use VCTF 2.5sq wires from these 3 companies: Daehan/LG/Gaon.
Ground wires (green) should also be 2.5sq.
(GV 2.5sq can also be used for ground wires. VCTFK / NM wires cannot be used.)
- For pipe joints, use KS-certified products. For wire connectors, use '3M Connectors'.
- Use 3M products for electrical tapes.
- 2 SPOT lights (D2) must be installed to 3 designated places to emphasize the Image Wall.
- If large light panels or other lighting equipment are needed, discuss the details with RENAULT SAMSUNG MOTORS' SI department before proceeding.
- Exterior signs must be equipped with an electrical timer inside the distribution box.
- Collaborate with a security company to ensure that the wires are not exposed by installing pipes before the finishing procedure.
- Discuss the details with air conditioning, heating, and ventilation companies beforehand to ensure that the pipes are installed correctly.
Pipes and wires must be hidden as much as possible.
- Electrical/Phone line constructions related to fire alarms, emergency exits, electrical outlets, switches, and all other electricity related constructions must use KS products and follow related laws.
(Phone line construction: Piping and wiring related to connecting the phone terminal box to the Welcome Desk.
Constructions other than piping and wiring will not be supported.)
- Install floor outlets in Counseling Zones to support 3 or more UTP (8-strip) cables and 1 or more power cables.
- If UTP cables (8-strip) are needed in the Multimedia Zone, install UTP outlet(s) as needed.
- Electrical outlets must be installed on walls at regular intervals. 1 or more sides of columns must be installed with an electrical outlet.
(Can be excluded/changed based on the situation.)
- If needed, rainproof electrical outlets ('exterior outlet' from below) can be installed on sides of exterior columns.
(A separate ELB for exterior outlets must be used on the distribution box.)
- Linno, SPOT lights (D1/D2), Typhoon logo, and Flagship Zone's Barrisol lights connected to the Image Wall are controlled with a timer.
(Separated from signs)
- The timer must be set to turn the sign on twice a day.
Regardless of season: 06:00–08:00 / Summer (Apr–Sep): 18:00–24:00 / Winter: (Oct–Mar) 17:00–24:00.

Specifications Guidelines

16. Furniture Construction

- Pieces of furniture must be coated in designated paint. (Refer to specifications.)
- Furniture must be built/installed in a way that won't leave cracks or paint bursts in its joints.
- Lights installed in furniture must use LED-bar modules (6,500K).
- Drawers must be equipped with designated rails (Daikwang Precision-quality or higher).
Necessary calculations must be made beforehand to prevent the drawers from moving around when fully taken out.
- Speed-controlled (damper) hinges must be used, locking mechanism and keys for the lock should be included.
- Holes for electrical outlets must be made on designated locations on back of furniture. Check the details with on-site personnel before making these holes.
- Exposed holes must be covered.
- Floor outlets and other electrical outlets' locations must be confirmed before building pieces of furniture.
- Water Purifiers must be built after specifications are checked.
- If sizes need to be adjusted, discuss the details with RENAULT SAMSUNG MOTORS' SI department before proceeding.
- In case of OA devices, check the specifications of audio equipment to determine their location.
- In case of OA devices, check if LAN cables are needed to make necessary adjustments on their locations.

17. Other Construction

- If certain constructions (offices, restrooms, firefighting equipment, or pipes) must be done differently from this manual due to various conditions, make sure that related laws are followed, and any potential defects are checked and removed beforehand.
- Photos of equipment, tools, and other products must be shared with RENAULT SAMSUNG MOTORS' SI department before proceeding.

18. Repairs and Maintenance

- All finishing touches must be completed before the exhibition space is opened.
- During the finishing process, all necessary adjustments must be made within 3 days of receiving the feedback.
Feedback from branch managers (after the space is OPEN) must be shared with RENAULT SAMSUNG MOTORS' SI department within 7 days of receiving the feedback, and necessary discussions must be made before making adjustments.
- In most cases, repairs and maintenances should be carried out by the construction company.
- If repairs/adjustments occur, before and after photos must be attached to a designated document and submitted to RENAULT SAMSUNG MOTORS' SI department.

2. APPLICATION

PERSPECTIVE VIEW
STANDARD TYPE SHOP

PERSPECTIVE VIEW

Item Application Guidelines

Refer to following example images to implement them in store's design.



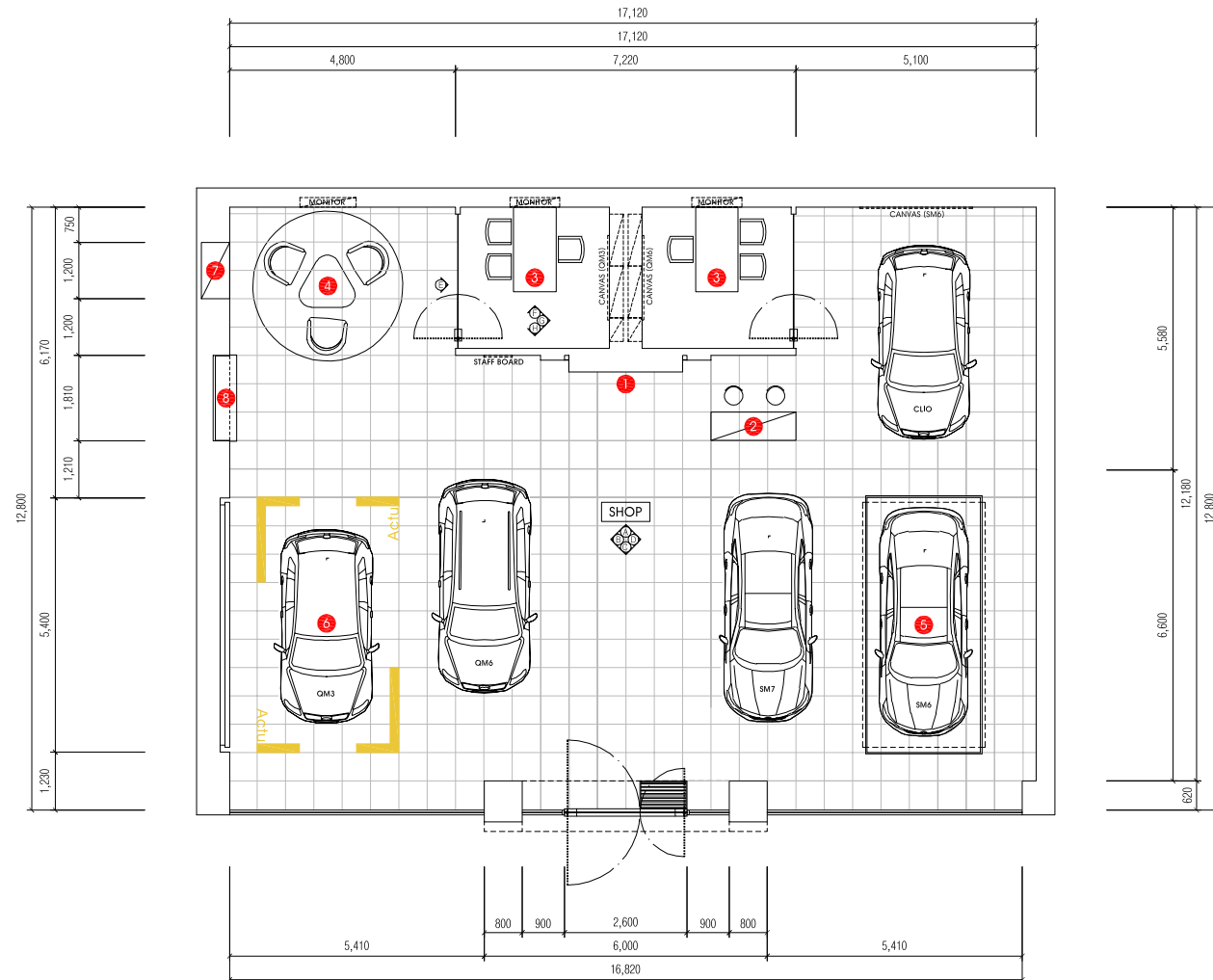
* Items might be different from the example image.

STANDARD TYPE SHOP



STANDARD TYPE SHOP

FLOOR PLAN (66PY)



LEGEND

TYPE	REFERENCE
1	Image Wall
2	Information
3	Counseling Zone
4	Multimedia Zone
5	Flagship Zone
6	Renault Zone
7	Water Purifier
8	Accessory Zone

3. MANUAL ITEM

BASIC WALL

IMAGE WALL

INFORMATION

COUNSELING ZONE

MULTIMEDIA ZONE

RENAULT ZONE

FLAGSHIP ZONE

GRAPHIC ZONE

ACCESSORY ZONE

WATER PURIFIER

NATURAL WALL

HISTORY ZONE

CEILING

FACADE

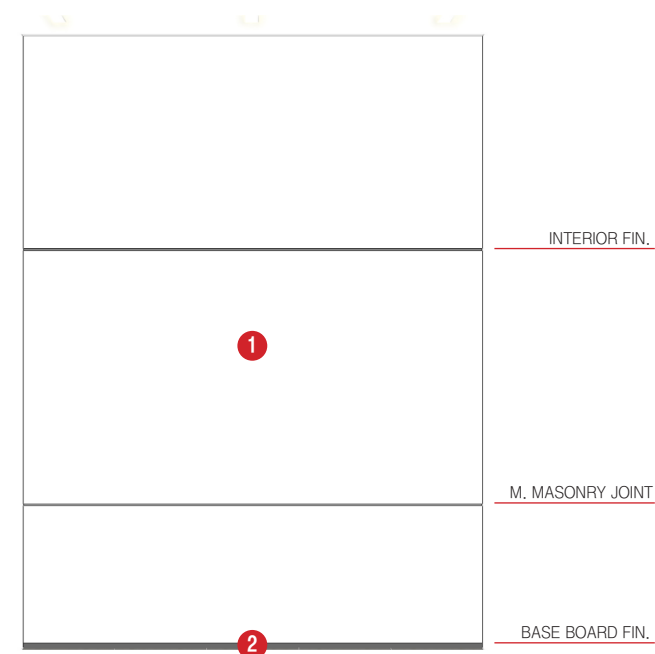
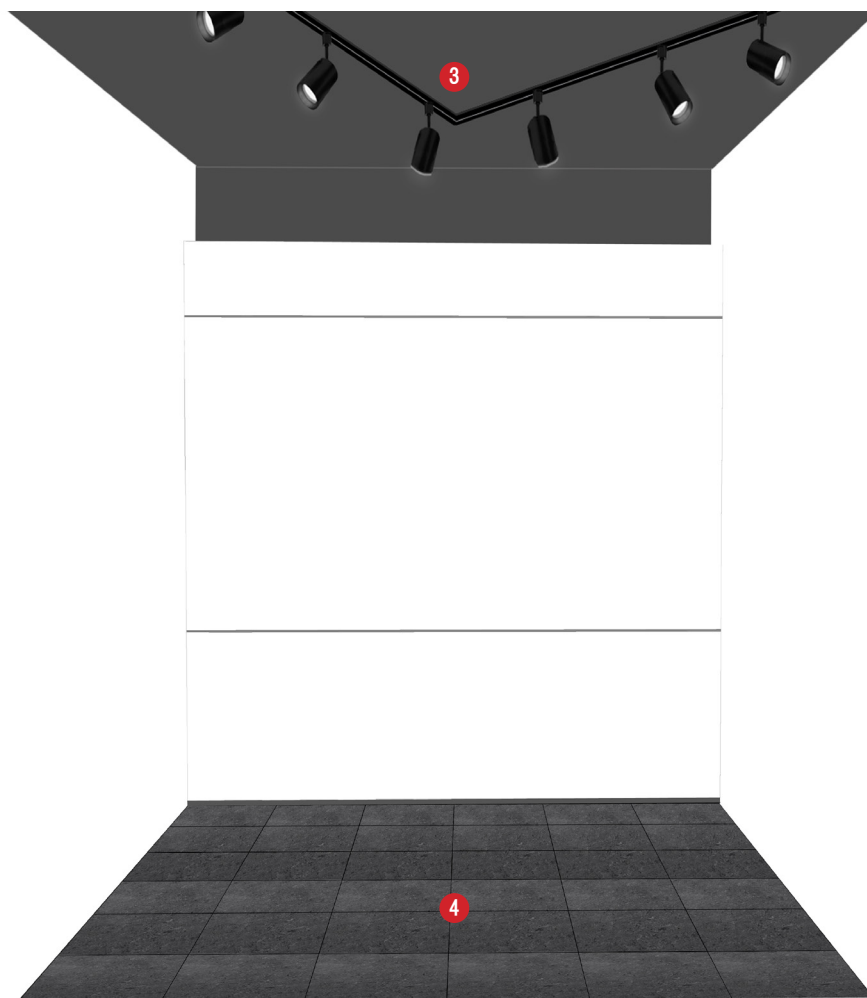
SIGN

ETC

BASIC WALL

Basic Composition

A high-class 'Black & White' design.

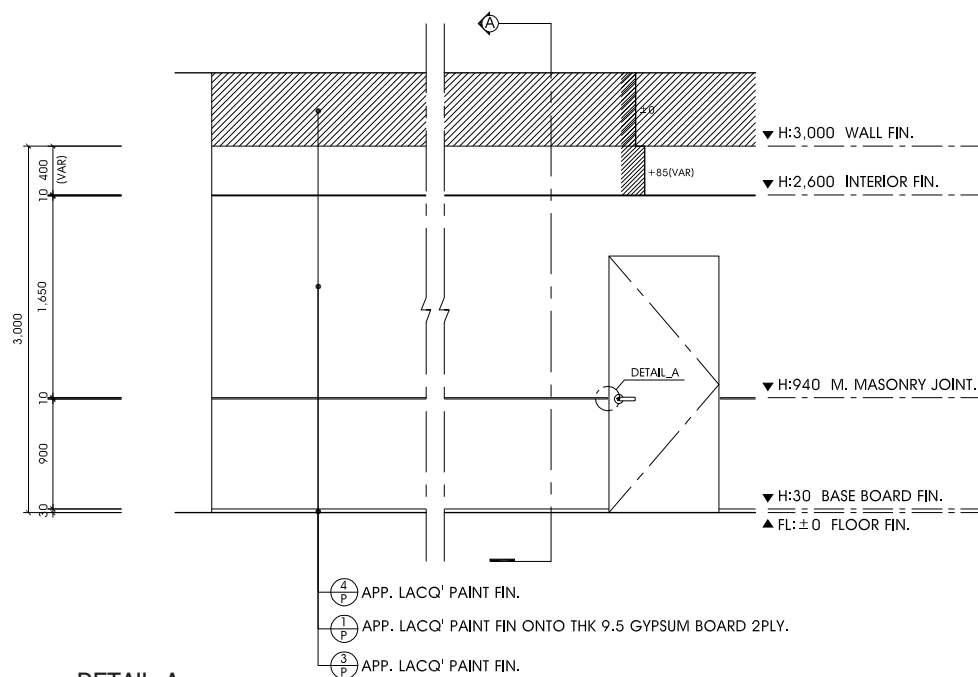


LEGEND

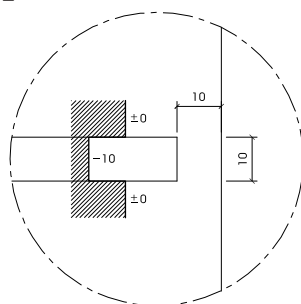
NO	Reference	Note
1	White Wall	Coated 20%
2	Base Board	Gray
3	Exposed Ceiling	Black
4	Porcelain Tile	Gray

BASIC WALL

ELEVATION



DETAIL_A



SECTION_A

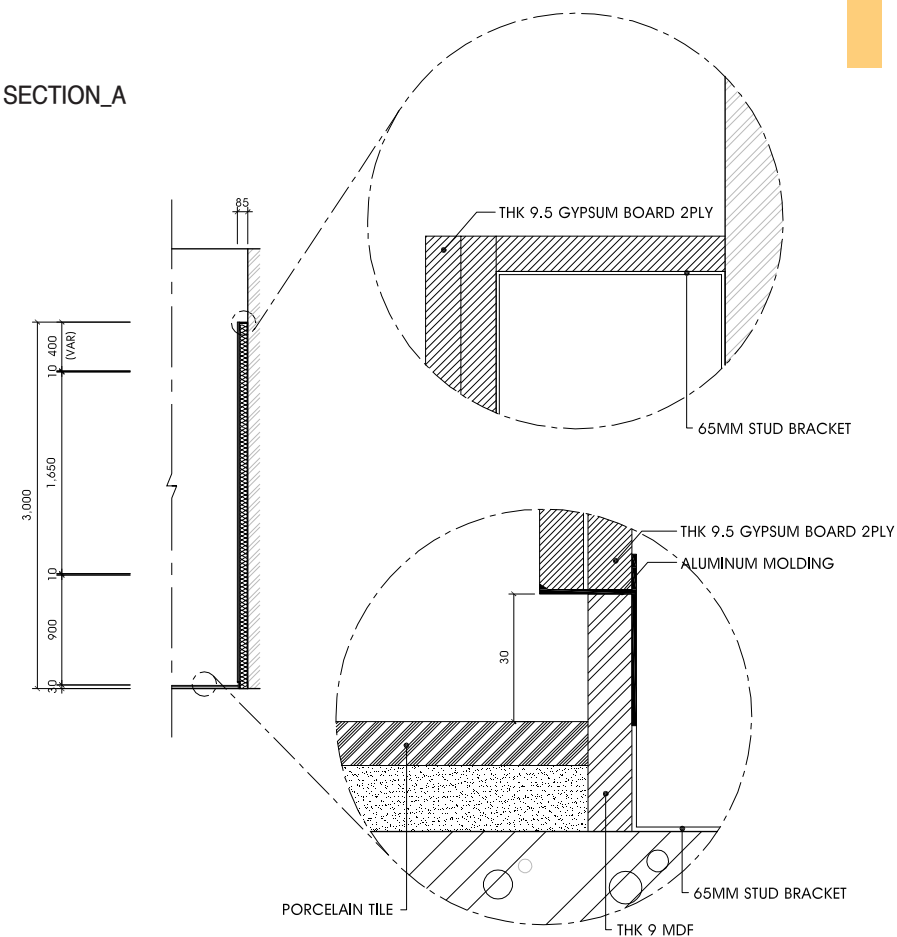
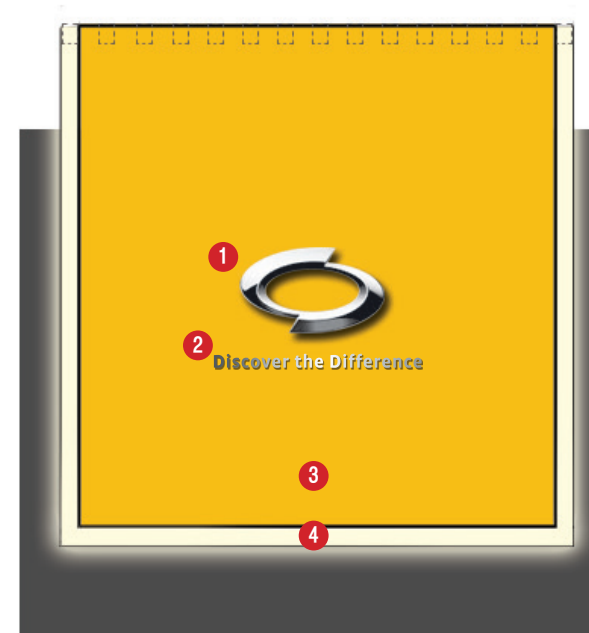
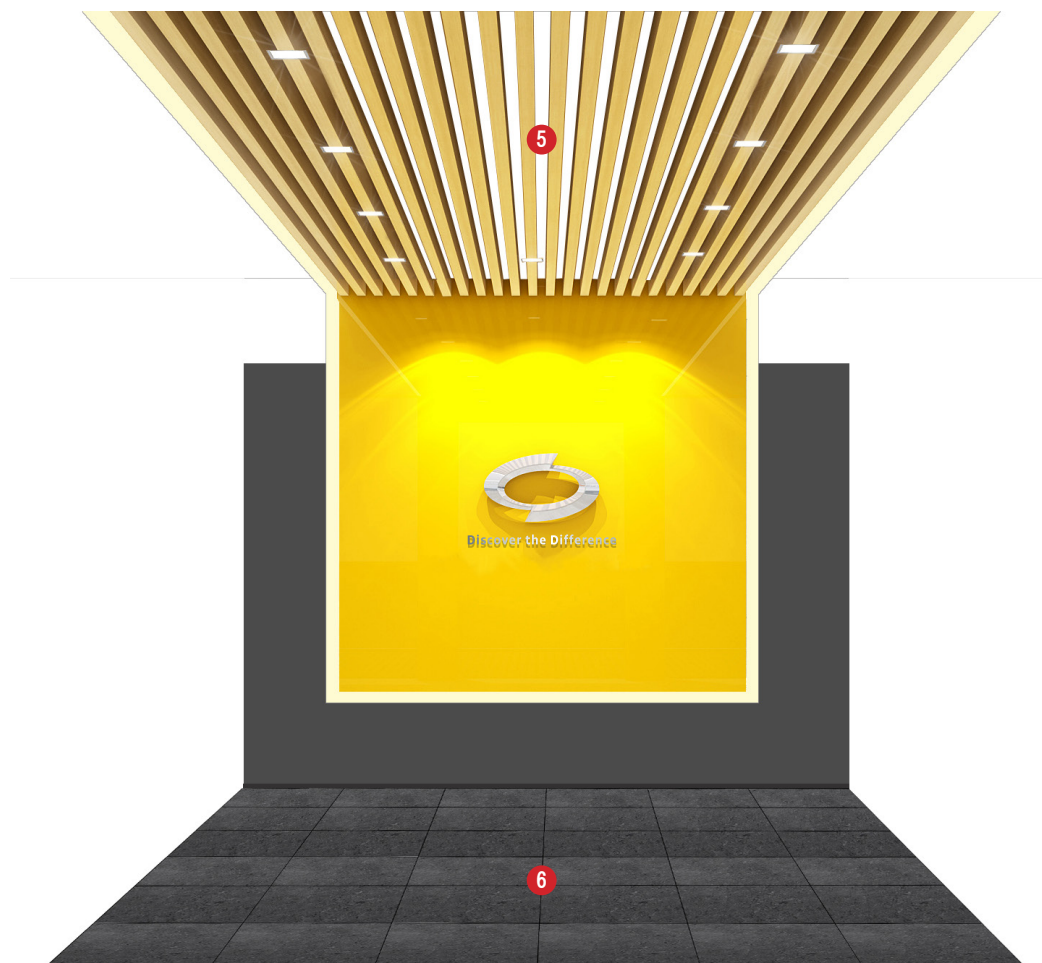


IMAGE WALL

THE FACE THAT GREETES CUSTOMERS

Its strong yellow is contrasted with grey wall to emphasize the image of our brand.

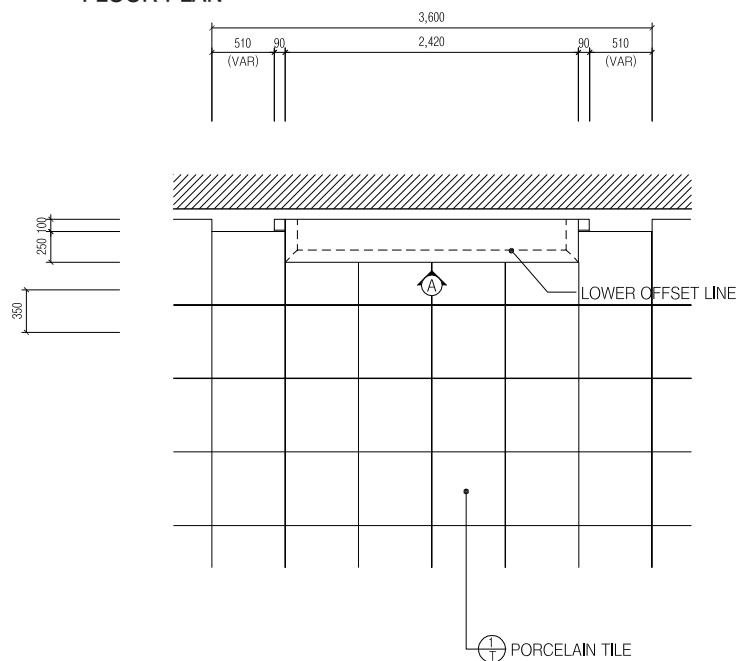


LEGEND

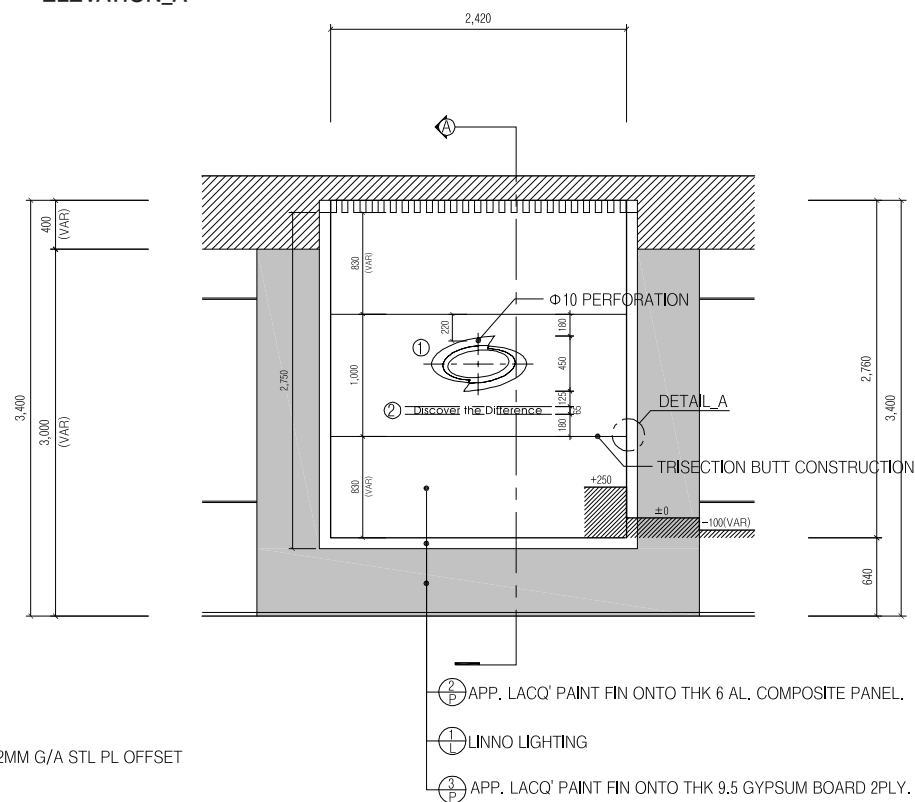
NO	Reference	Note
1	Brand Mark	LED
2	Typography	
3	Yellow Wall	Coated 20%
4	LINNO Light	5700K
5	Louver	
6	Porcelain Tile	Gray

IMAGE WALL

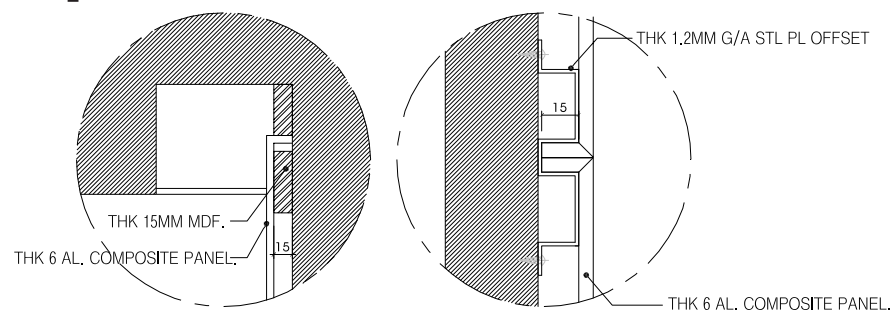
FLOOR PLAN



ELEVATION_A



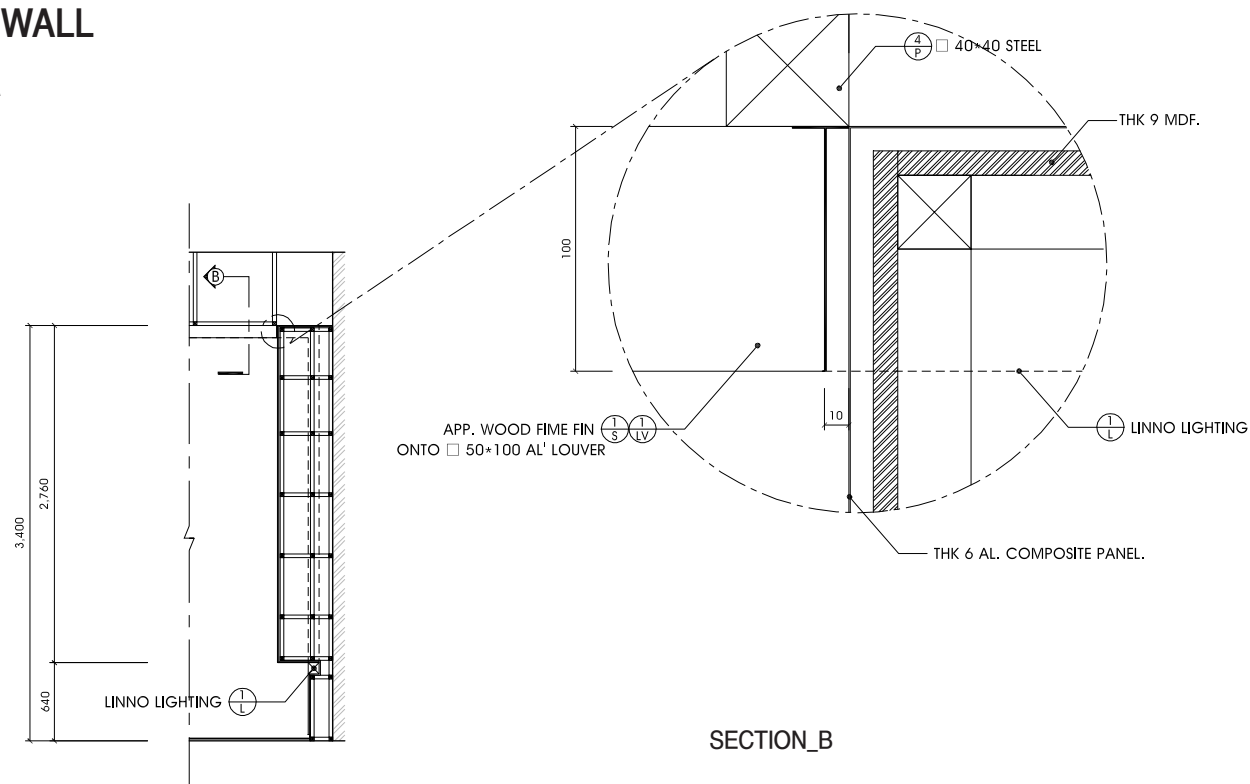
DETAIL_A



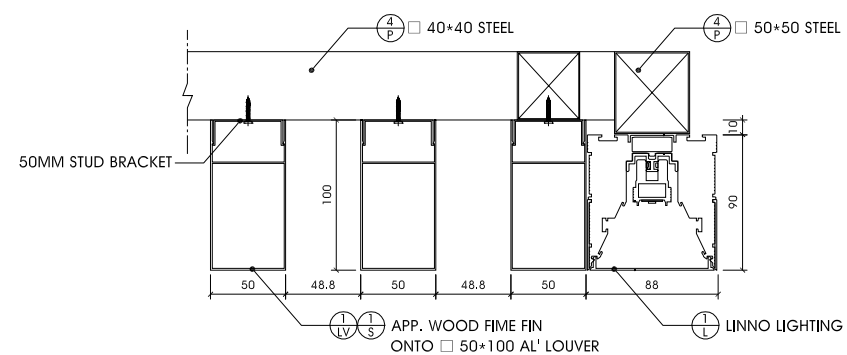
- ① APP. CHROMIUM PLATING FIN (LED-WHITE).
- ② APP. THK 8 CHROMIUM PLATING FIN.

IMAGE WALL

SECTION_A



SECTION_B



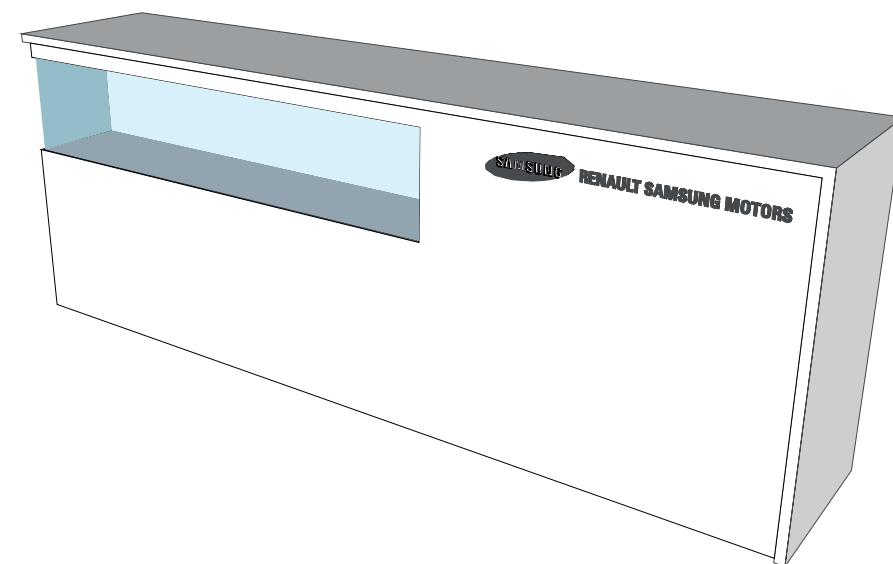
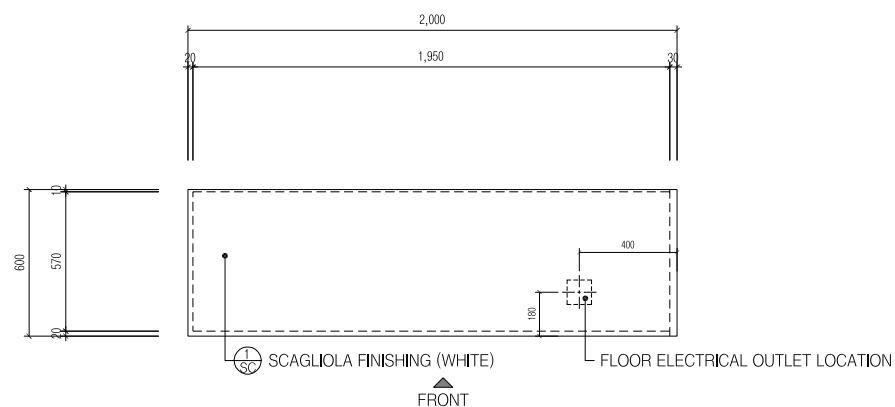
INFORMATION

WELCOME DESK

All exhibition spaces must be installed with a Welcome Desk to aid customers. (W:2,000)

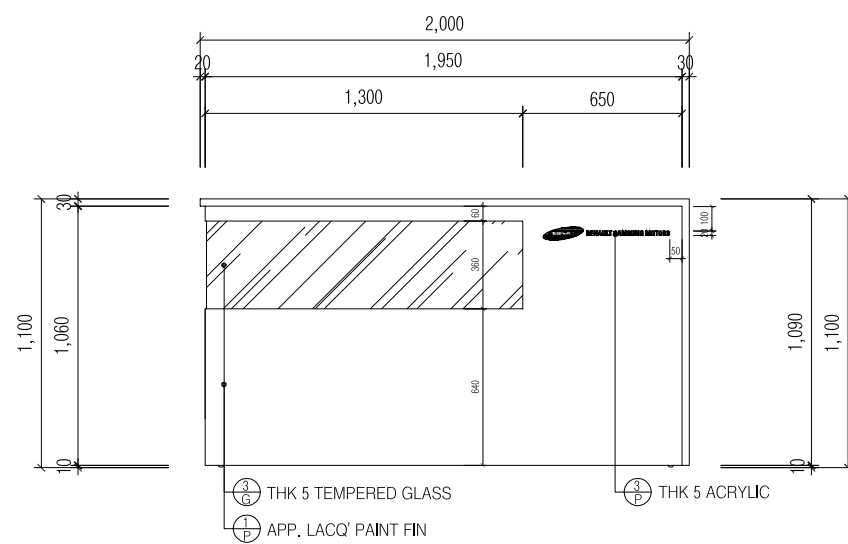
Its size can be adjusted based on the conditions.

TOP

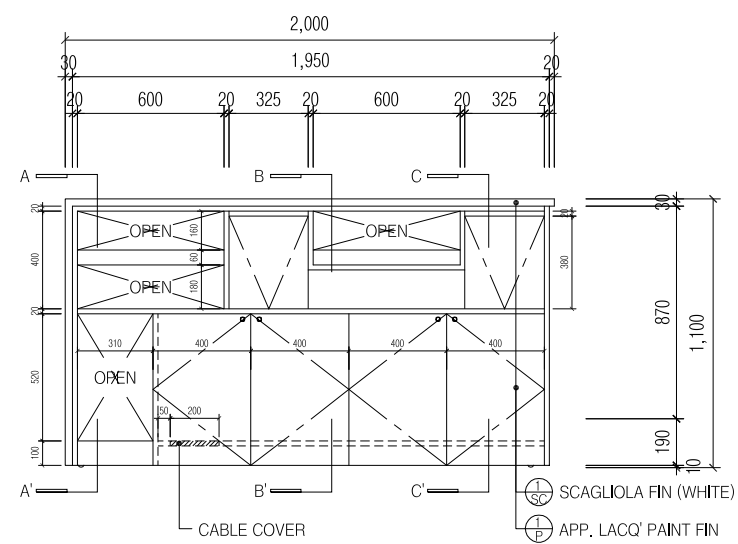


INFORMATION

FRONT

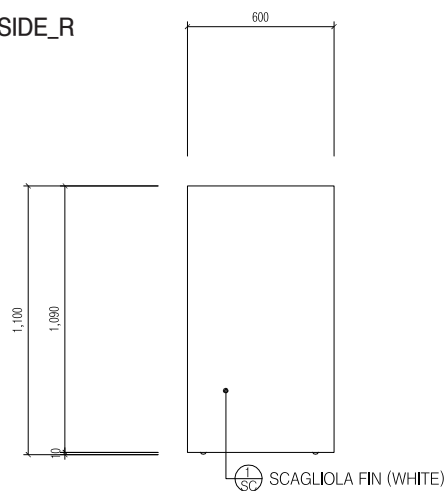


BACK

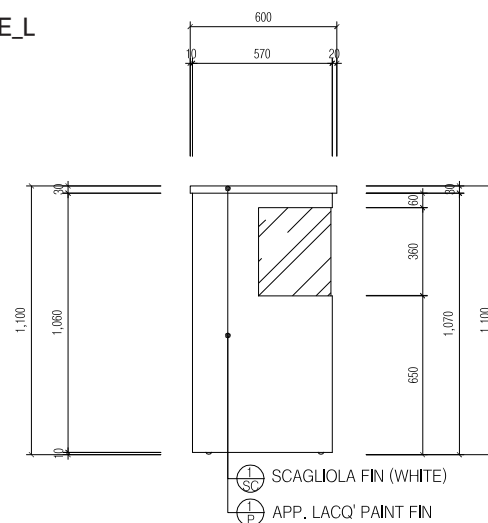


INFORMATION

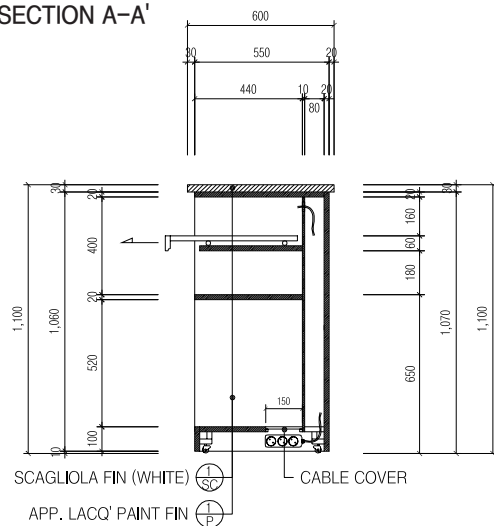
SIDE_R



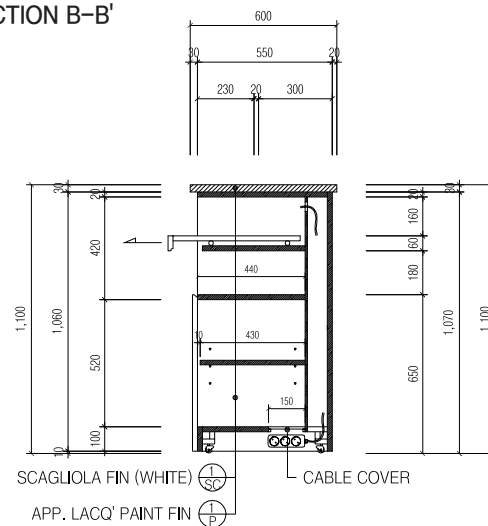
SIDE_L



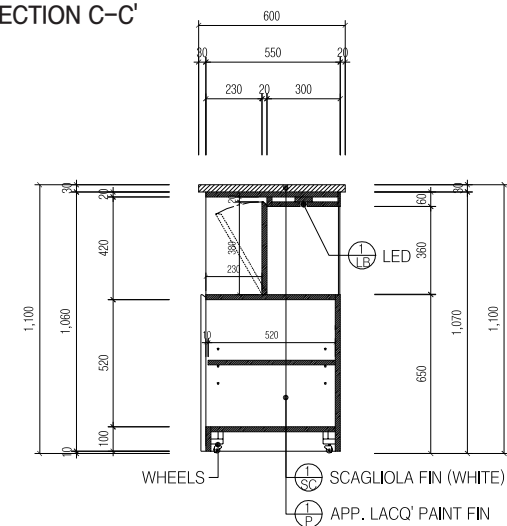
SECTION A-A'



SECTION B-B'



SECTION C-C'



COUNSELING ZONE

A SEPARATE SPACE FOR COUNSELING

A separate space is allocated to construct a Counseling Zone.

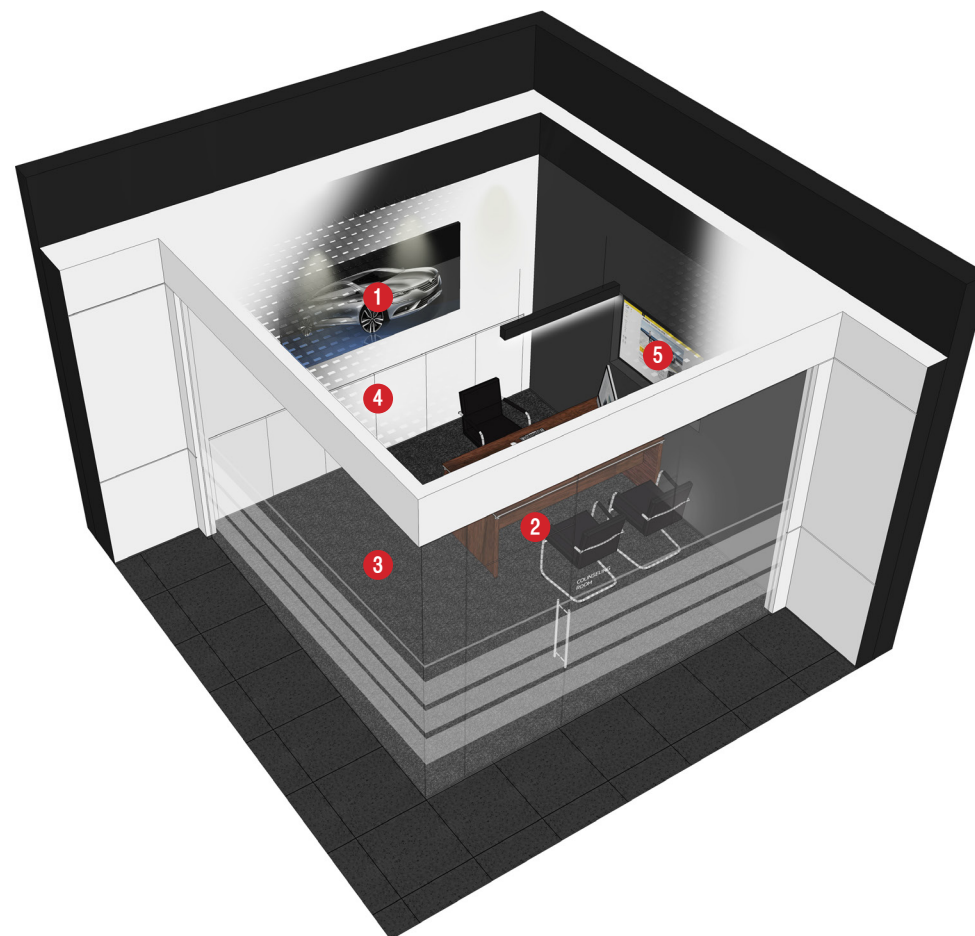
Its size can be adjusted based on onsite conditions.

Its lighting can be adjusted based on the intensity of the environment's level of illumination.

(However, usage of designated lighting equipment is mandatory)

INTERNAL WALL COLOR

Monitor-installed wall (GRAY) / Others (WHITE)

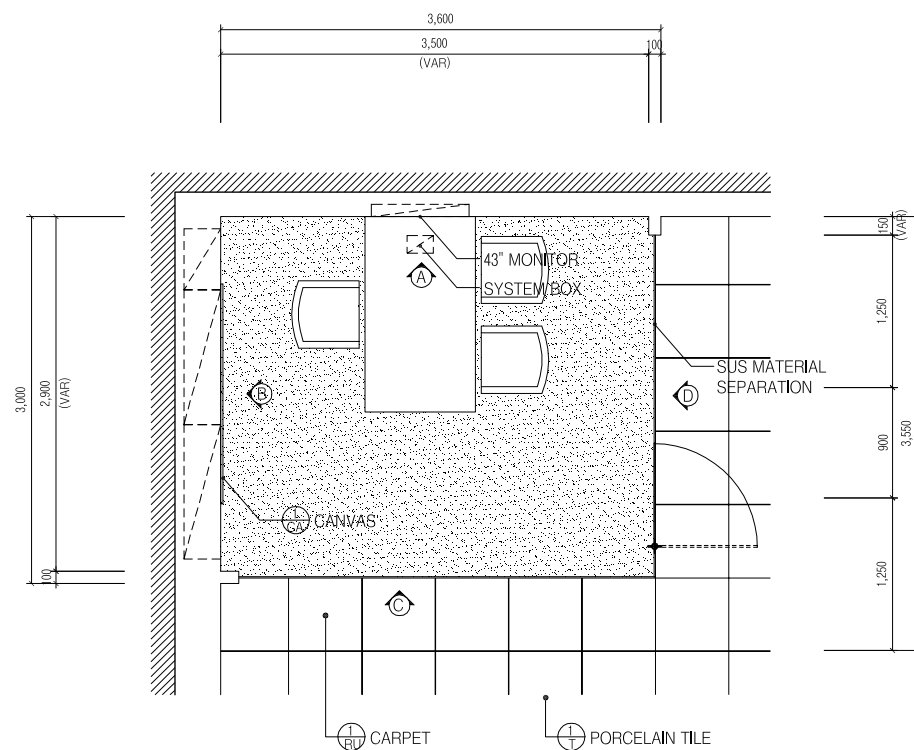


LEGEND

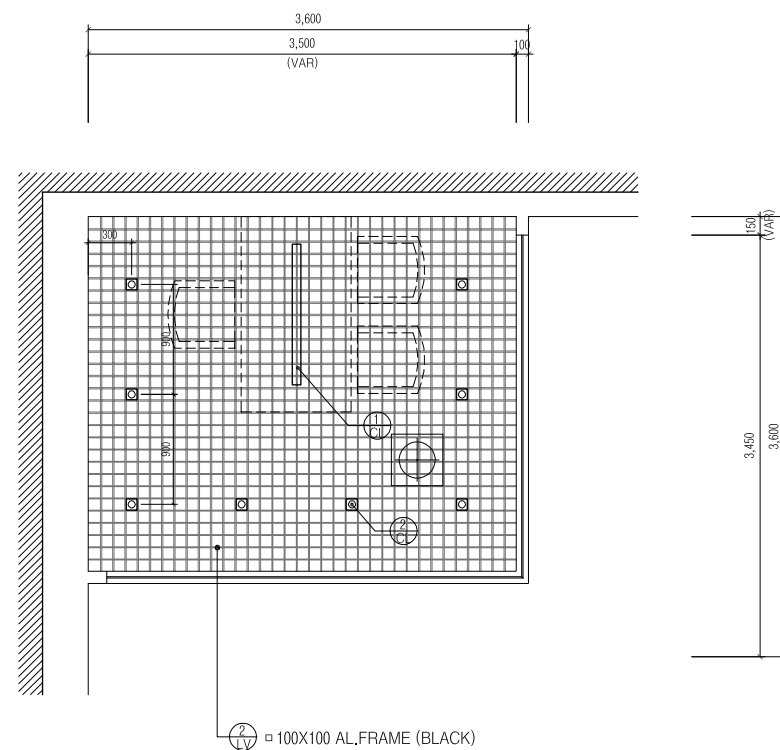
NO	Reference	Note
1	Canvas	
2	Table & Chair	
3	Carpet	Option
4	Closet	
5	TV	40inch

COUNSELING ZONE

FLOOR PLAN



CEILING



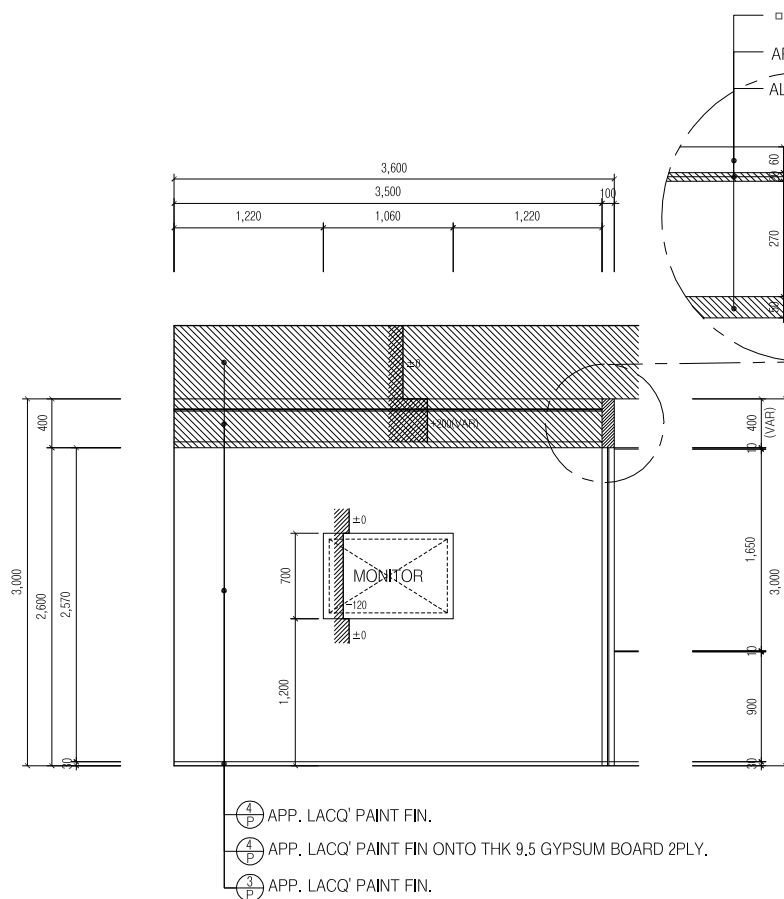
* Based on conditions, the zone's size, lighting, doors, and location of furniture can be changed.

* Height of pendant light (CL1): 1,900mm from its bottom.

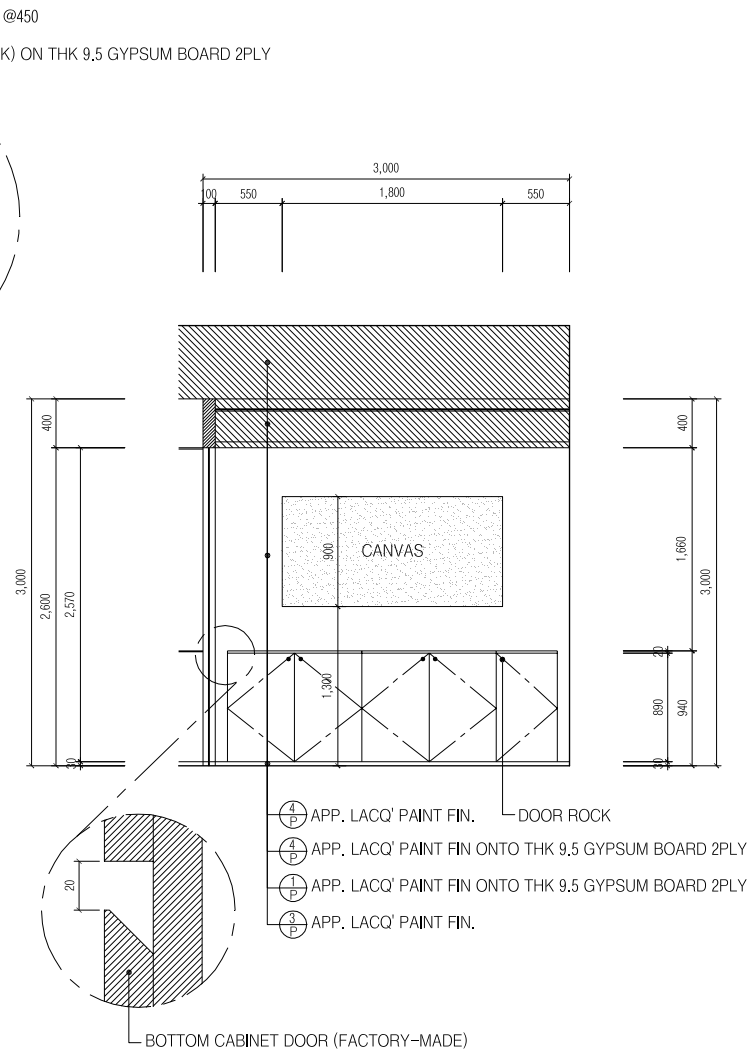
* Ceiling diffusers must be located where it will not interfere with lighting equipment.

COUNSELING ZONE

ELEVATION_A

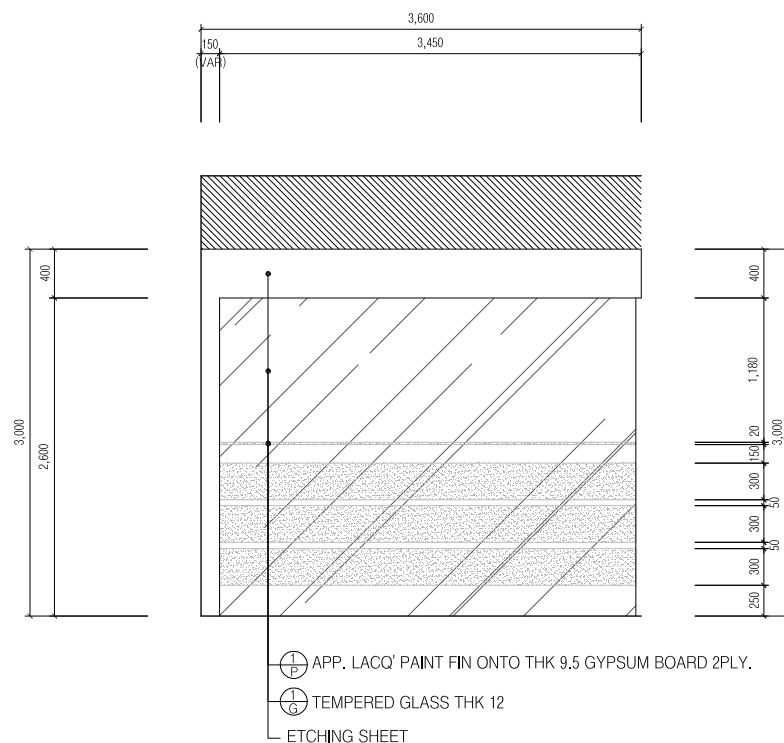


ELEVATION_B

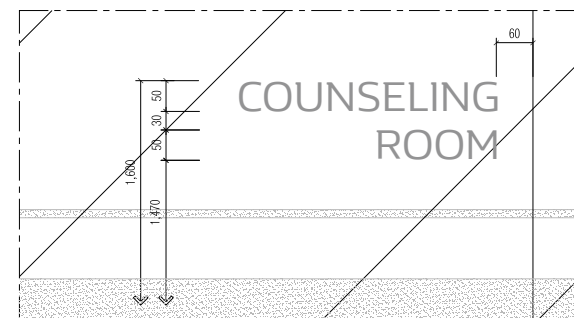
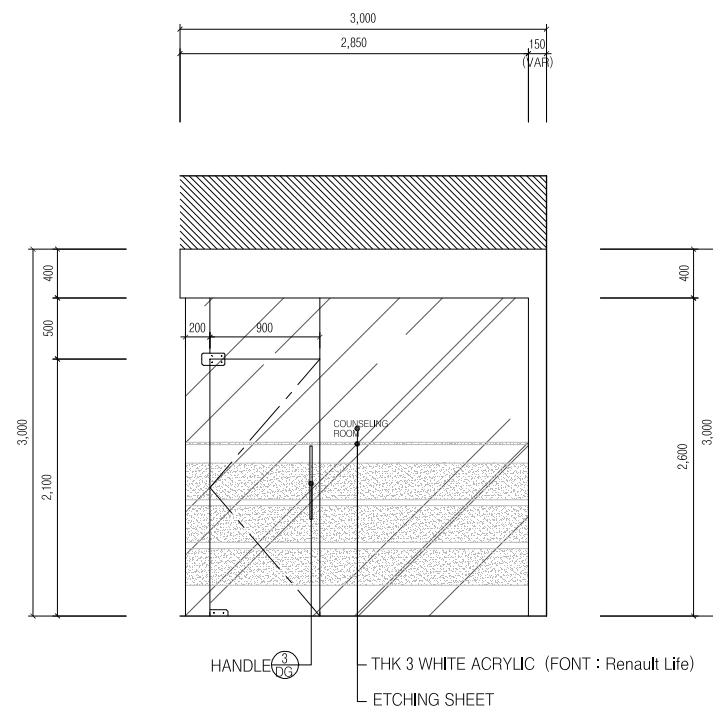


COUNSELING ZONE

ELEVATION_A



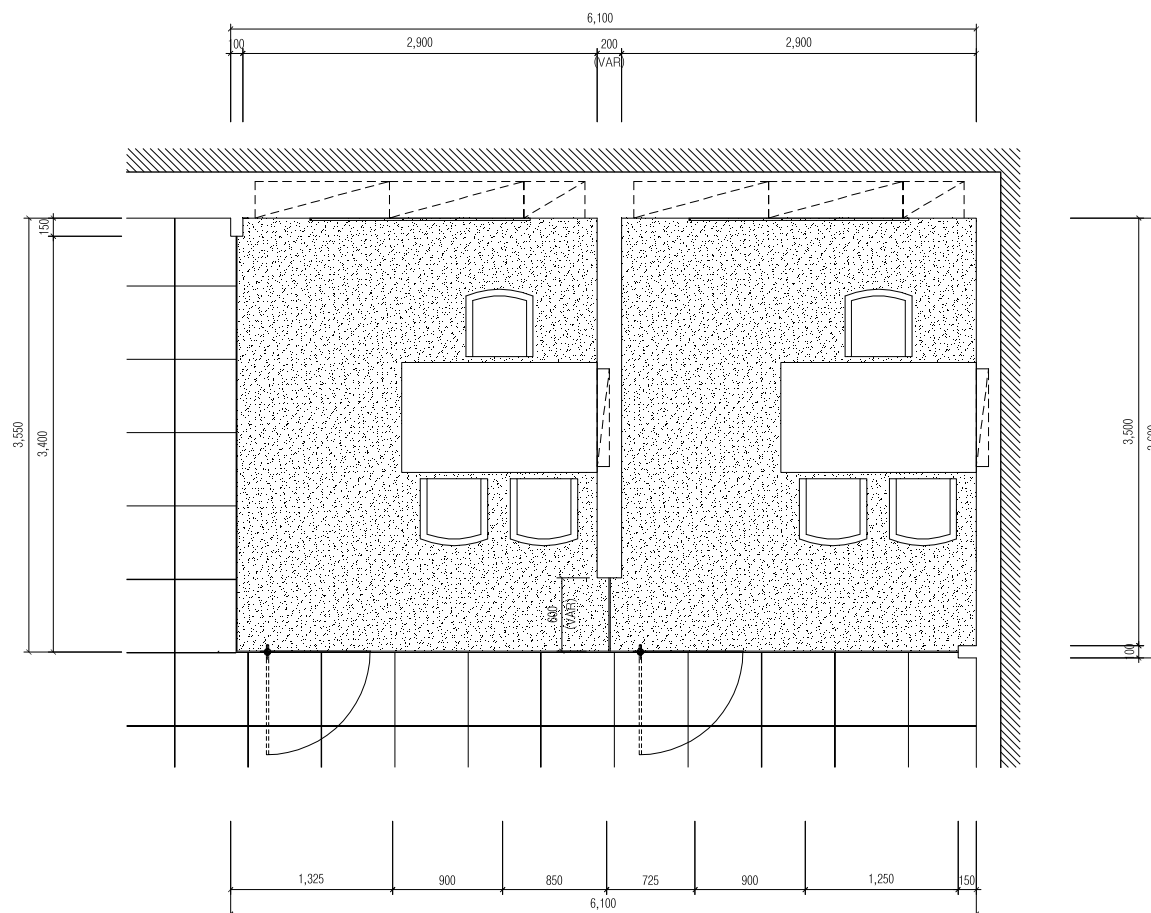
ELEVATION_B



* FONT : Renault Life.

COMBINE

If 2 Counseling Zones are close to each other, a window should be located in between like following image.

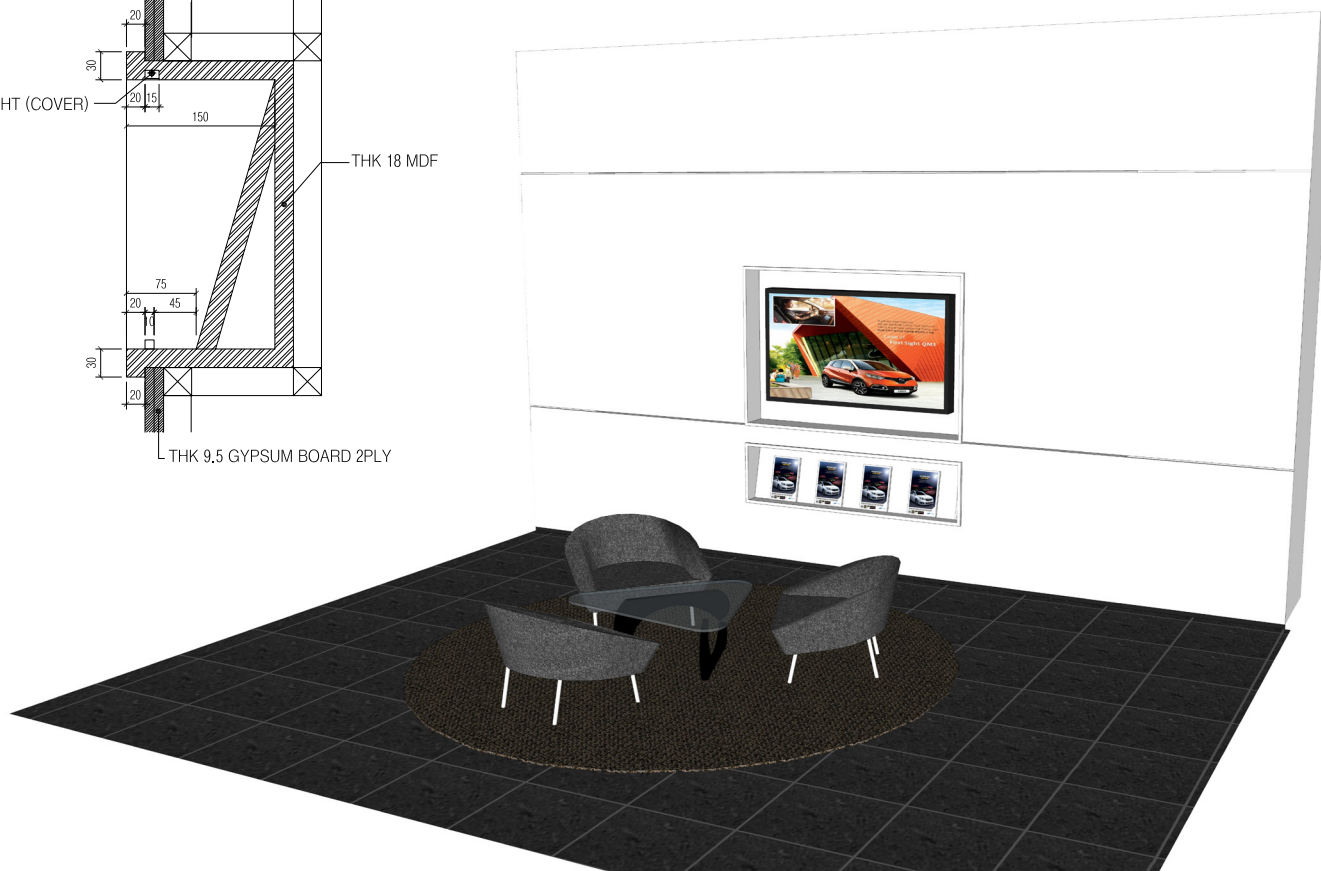
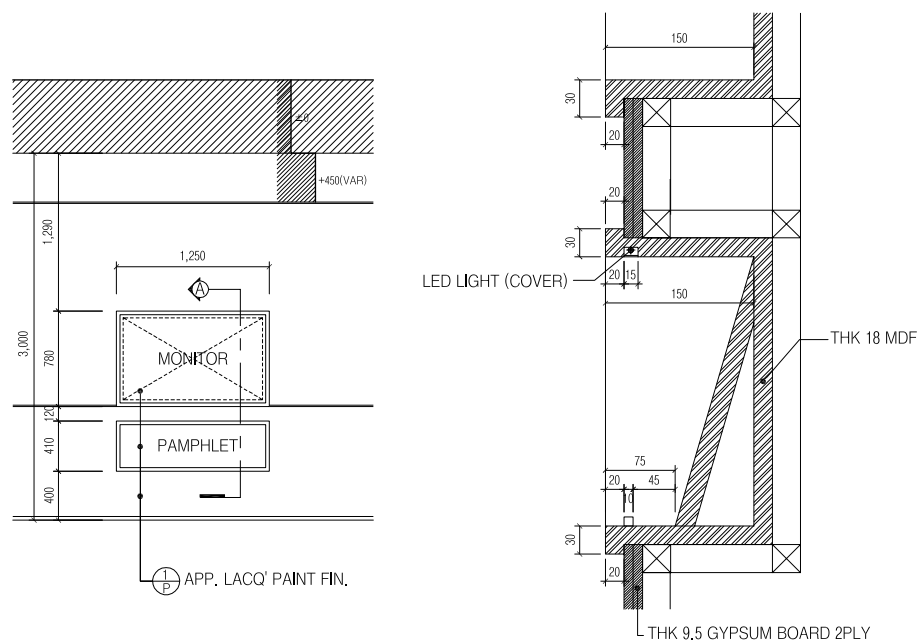


* Based on conditions, the zones' size/lighting/doors/furniture location can be changed.

MULTIMEDIA ZONE

RESTING AND COUNSELING IN ONE

In this zone, customers can rest and freely receive counseling.



RENAULT ZONE

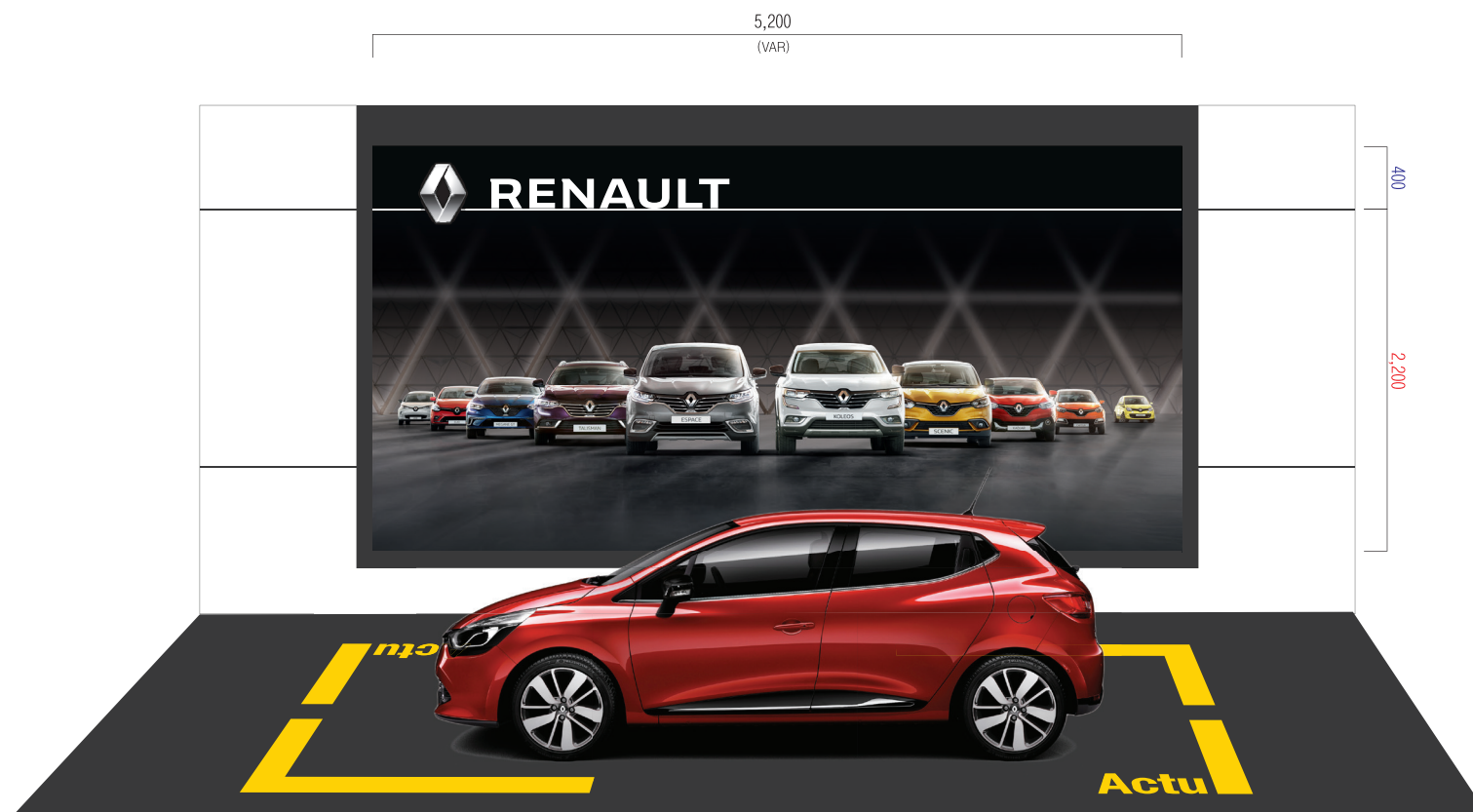
SYMBOL OF PARTNERSHIP

This zone focuses on showcasing new and featured vehicles.

A Graphic Wall containing the image of the partnership between Renault and Samsung is installed.

Fabric panel is used for the Graphic Wall. Image sheets can be used instead based on conditions.

IF THE CEILING IS RELATIVELY HIGH



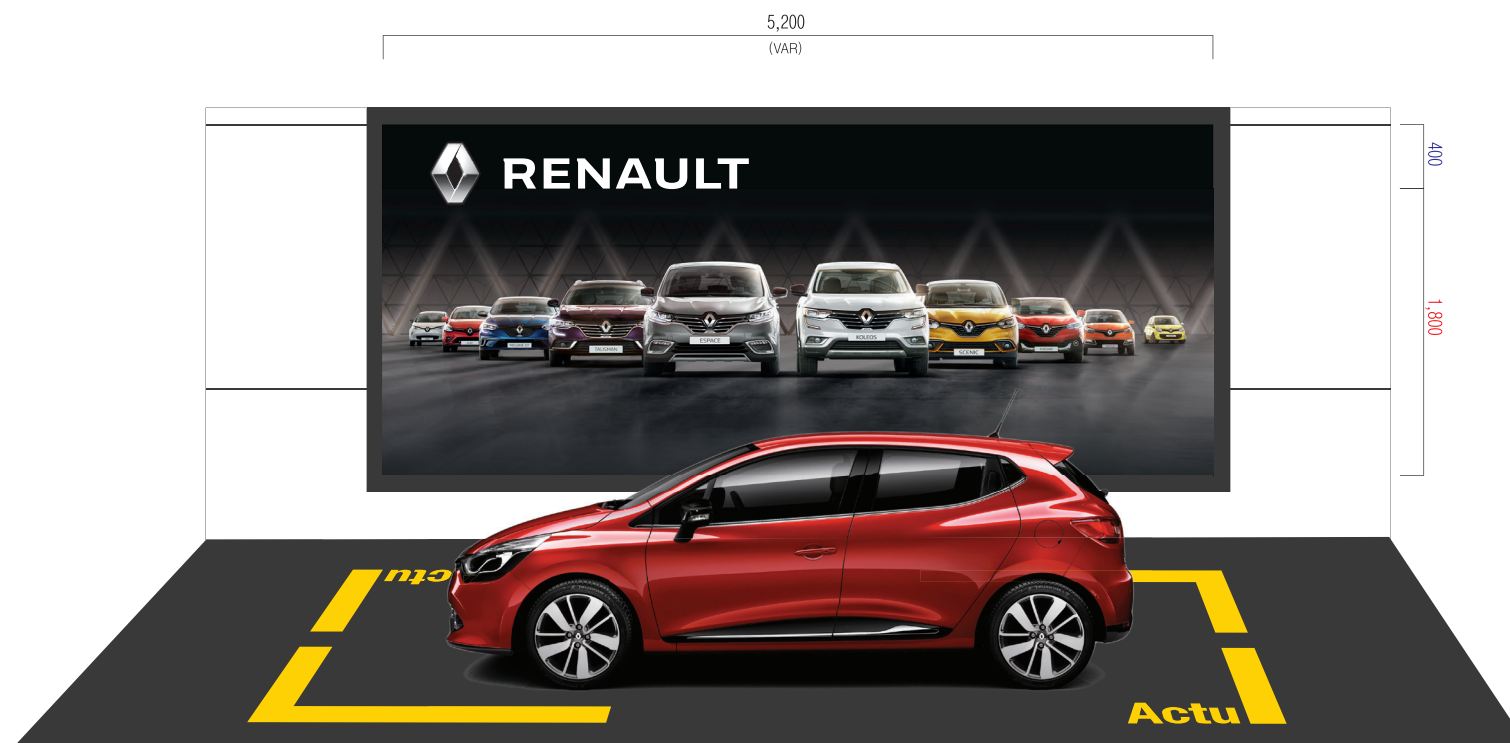
RENAULT ZONE

DESIGN APPLICATION

Based on conditions, the size of the Graphic Wall can be adjusted.

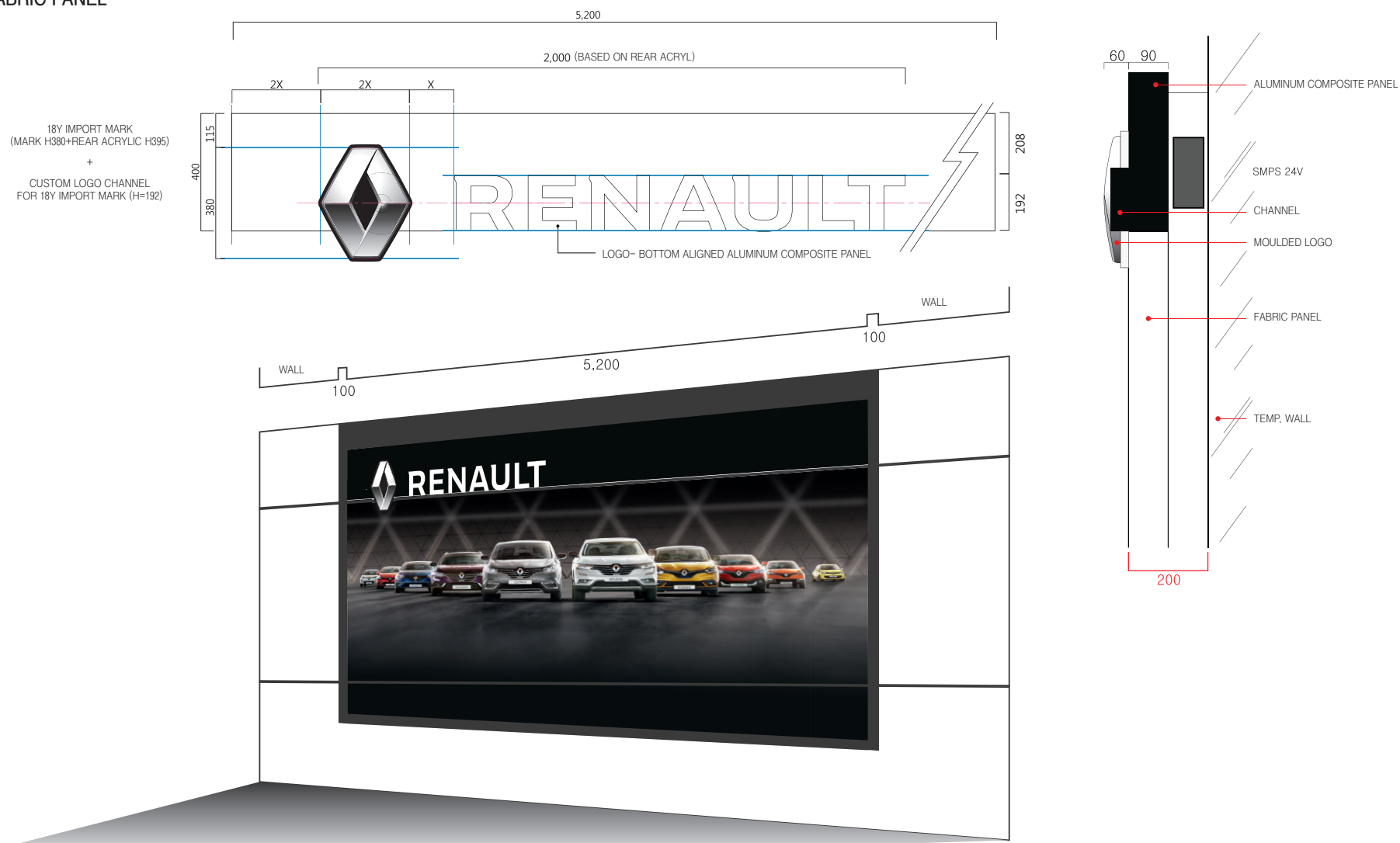
However, the image on the wall must not be distorted.

IF THE CEILING IS RELATIVELY LOW



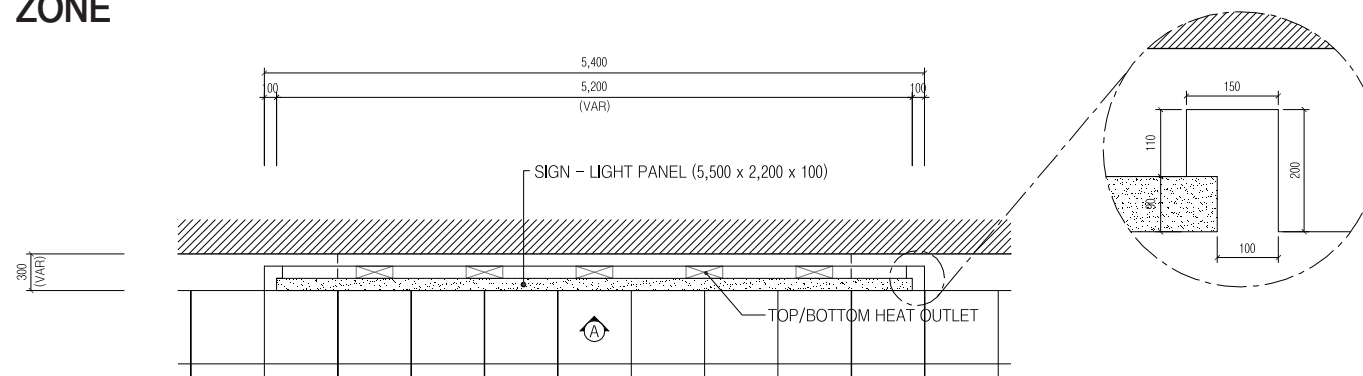
RENAULT ZONE

FABRIC PANEL

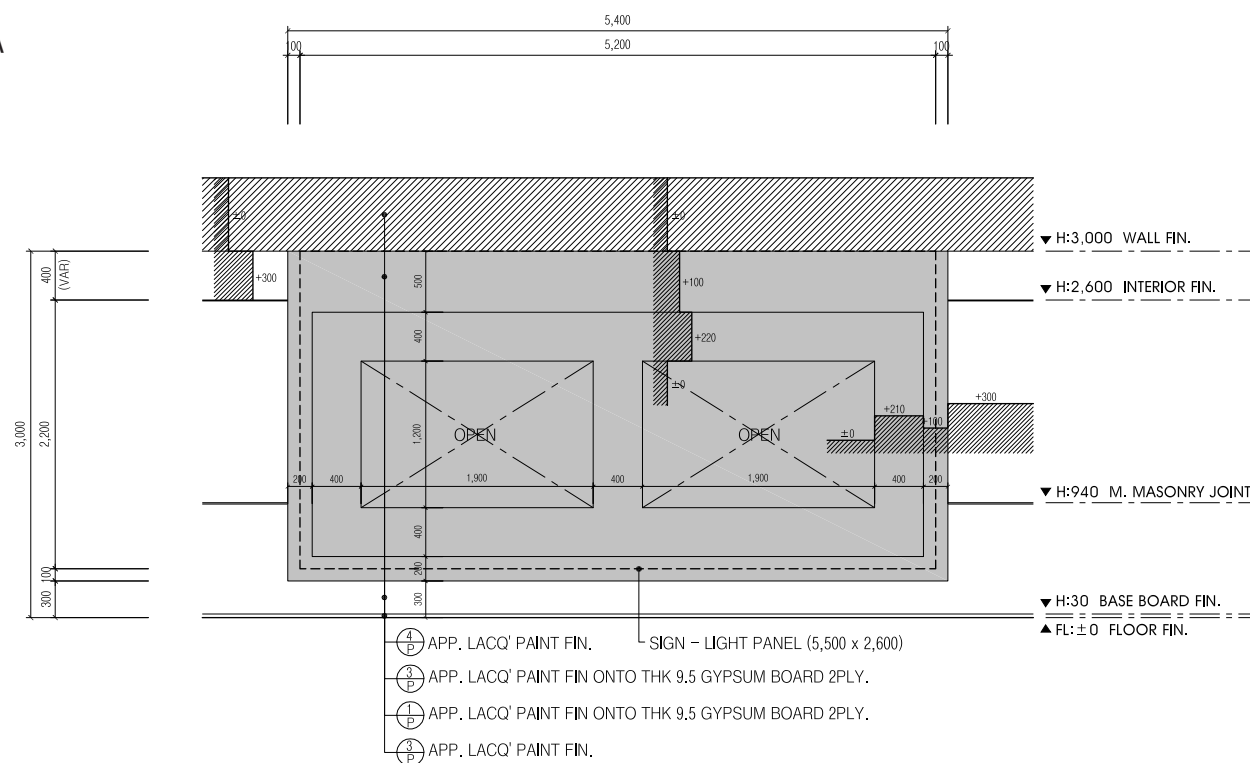


RENAULT ZONE

FLOOR PLAN

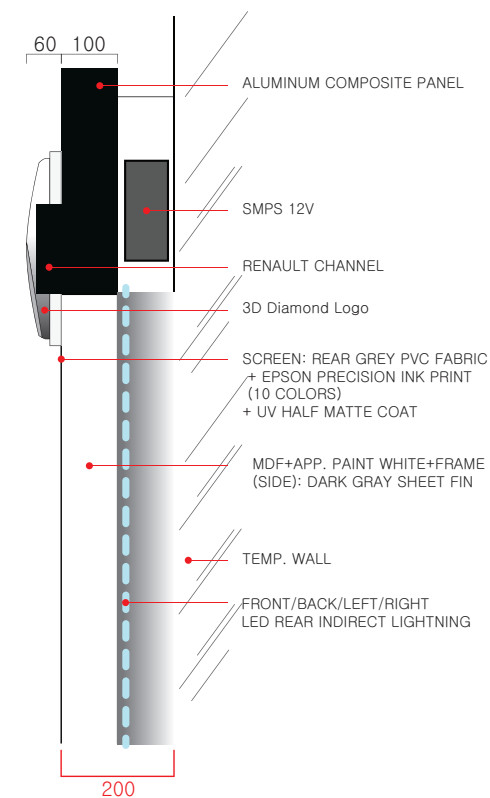
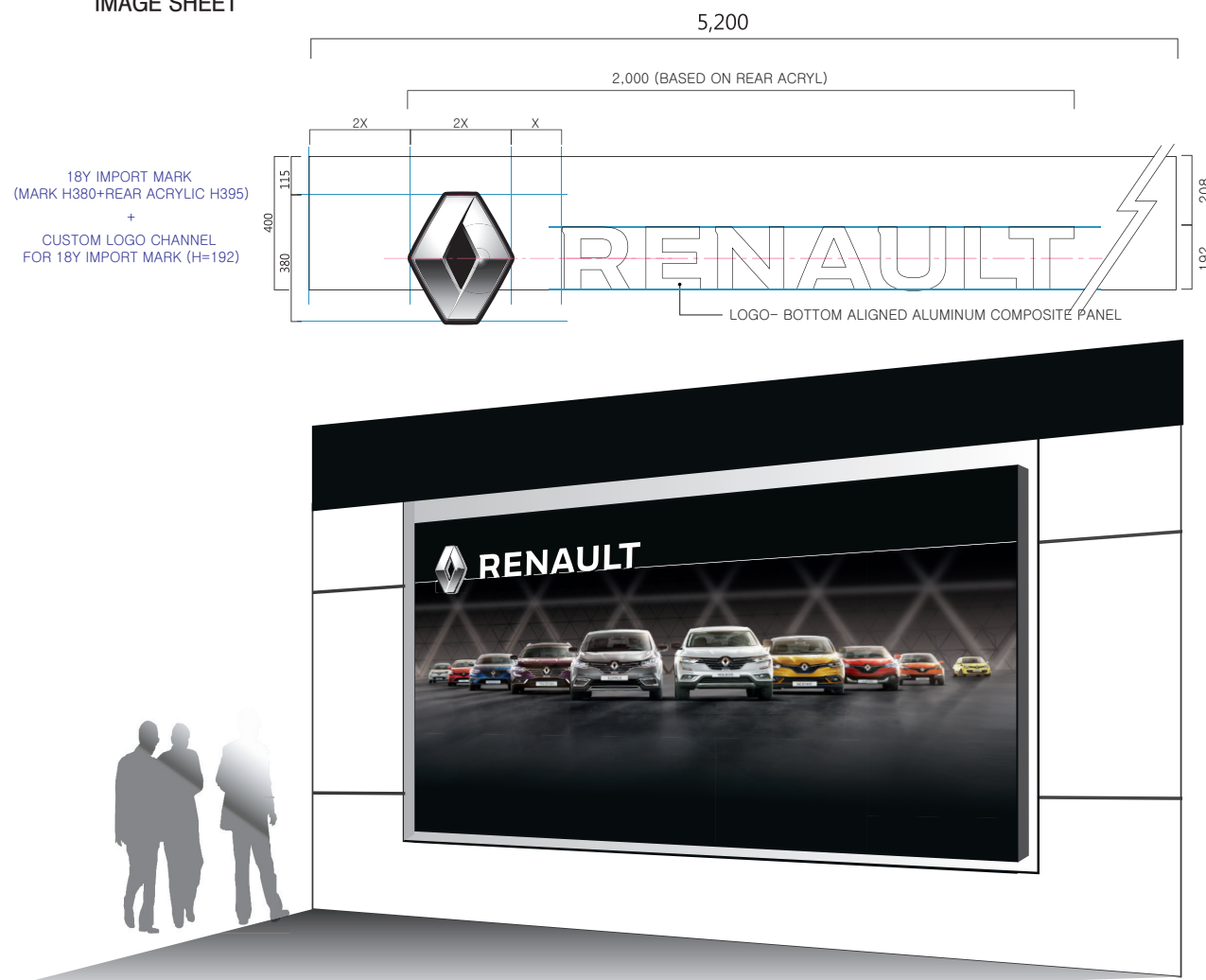


ELEVATION_A



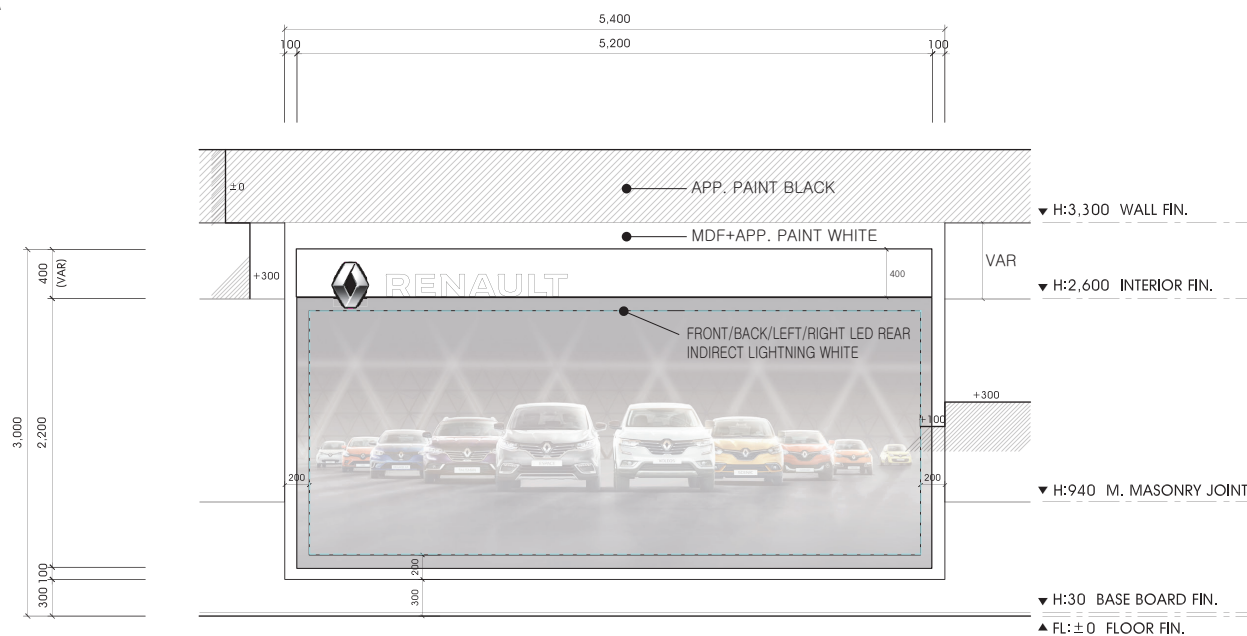
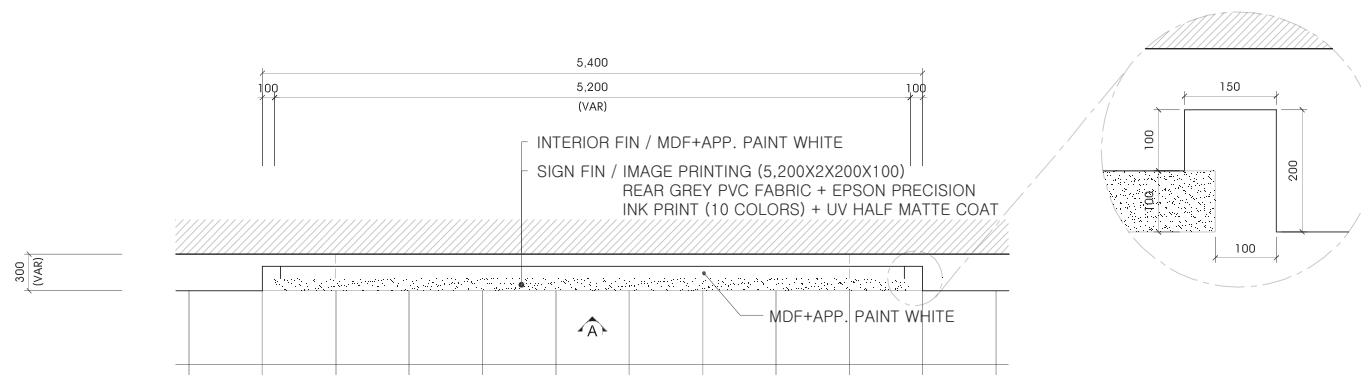
RENAULT ZONE

IMAGE SHEET



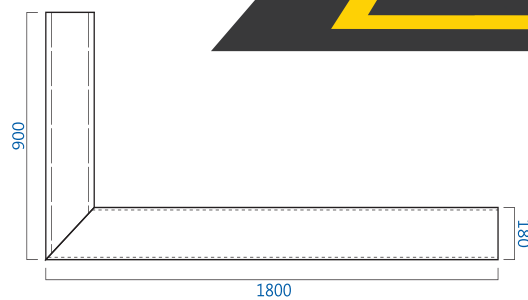
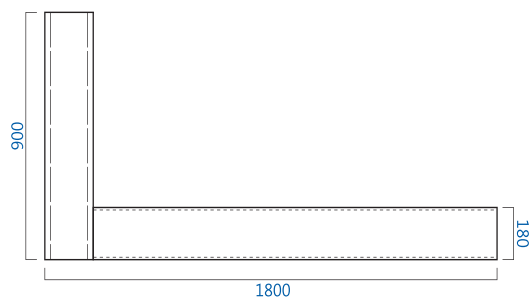
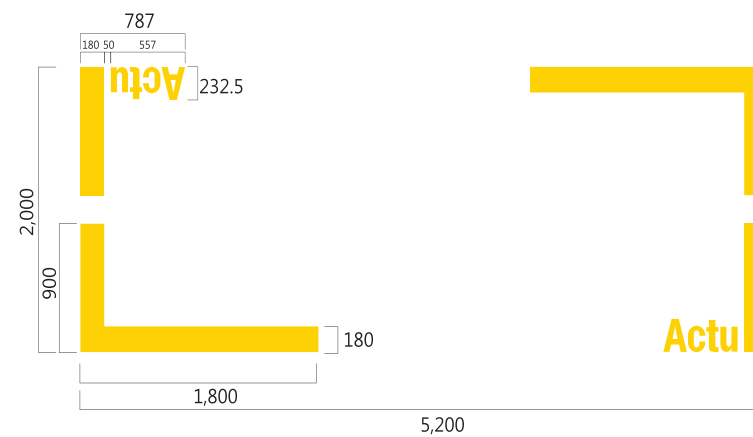
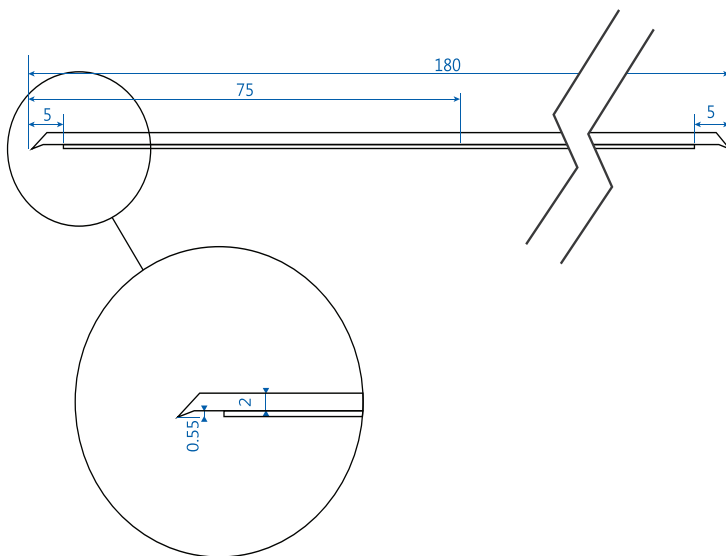
RENAULT ZONE

FLOOR PLAN



RENAULT ZONE

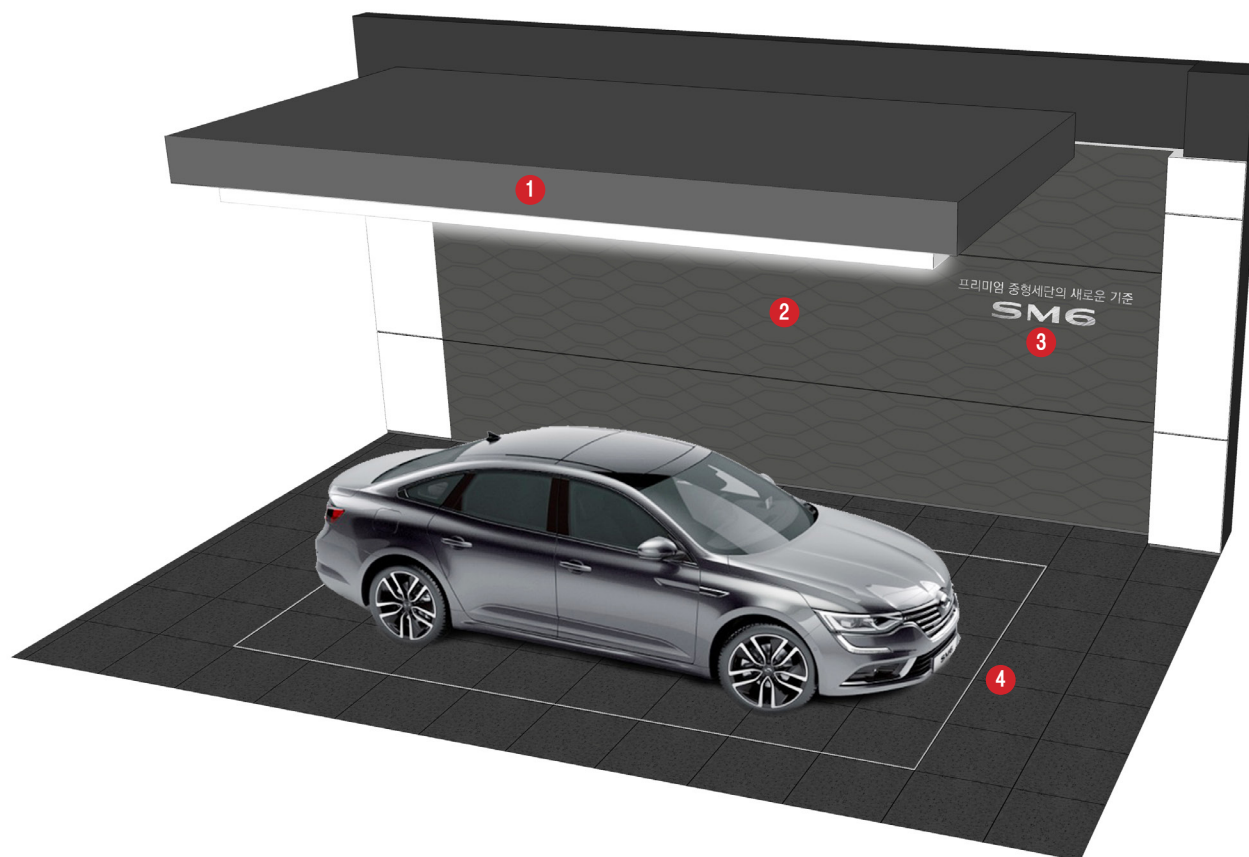
FLOOR MARK



FLAGSHIP ZONE

EXHIBITION SPACE FOR NEW MODELS

Newly released models are emphasized in a specially-made exhibition space.
Graphic Sheets can be applied or not based on conditions.

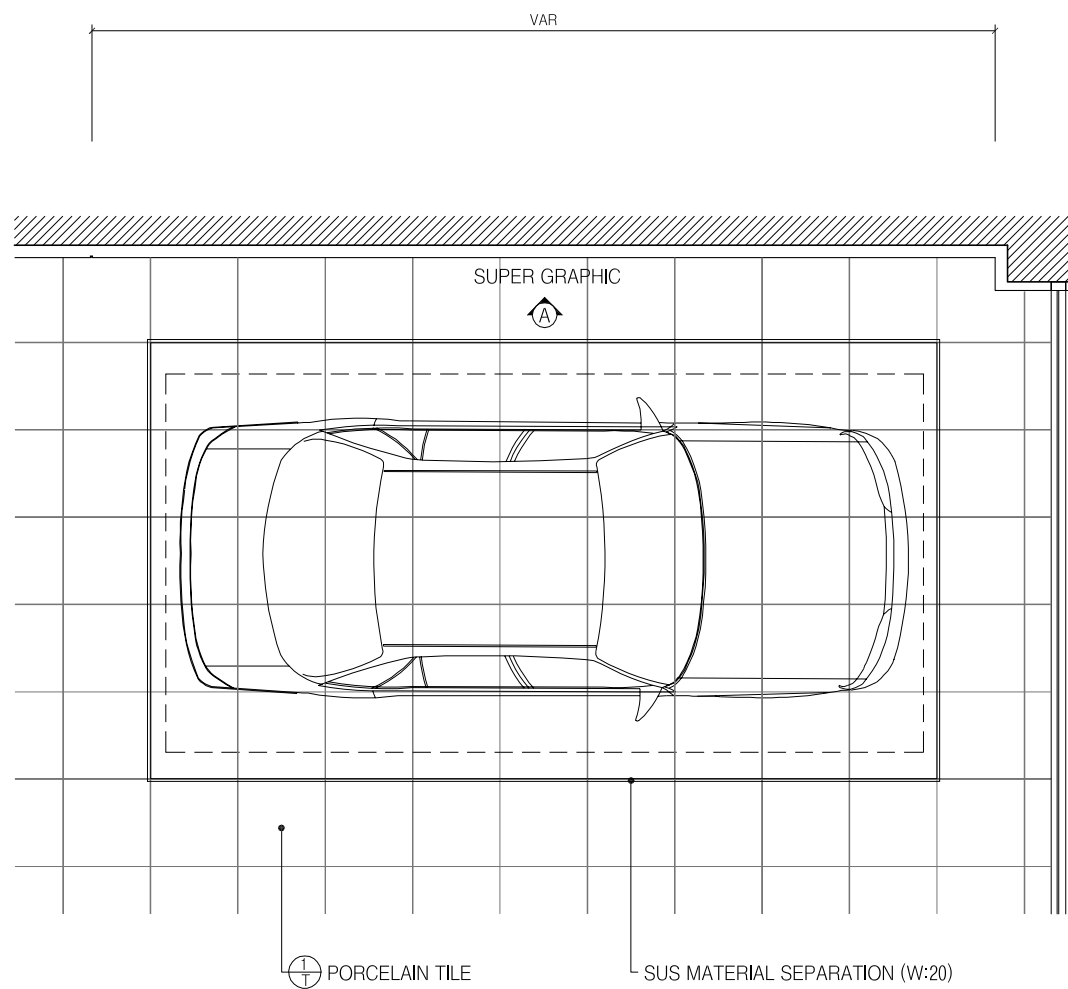


LEGEND

NO	Reference	Note
①	Objet (Barisol)	20W
②	Super Graphic	
③	Sign	
④	Zoning Area	

FLAGSHIP ZONE

FLOOR PLAN

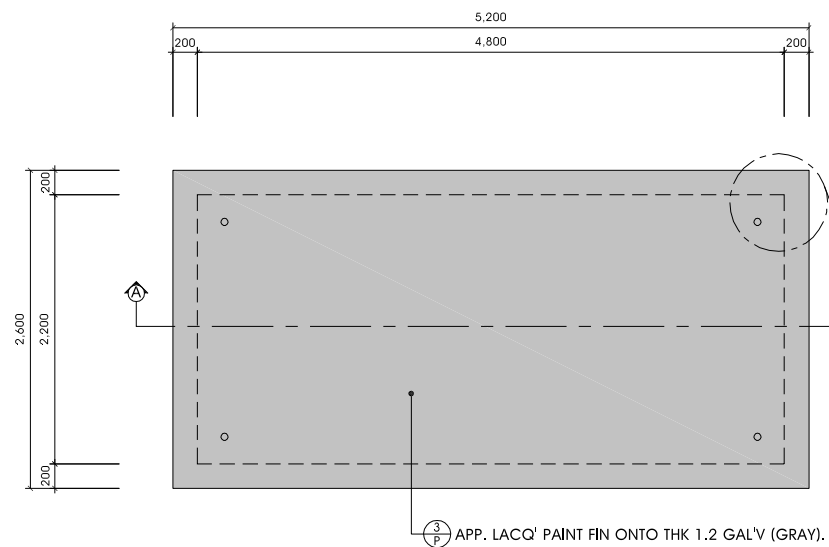


ELEVATION_A

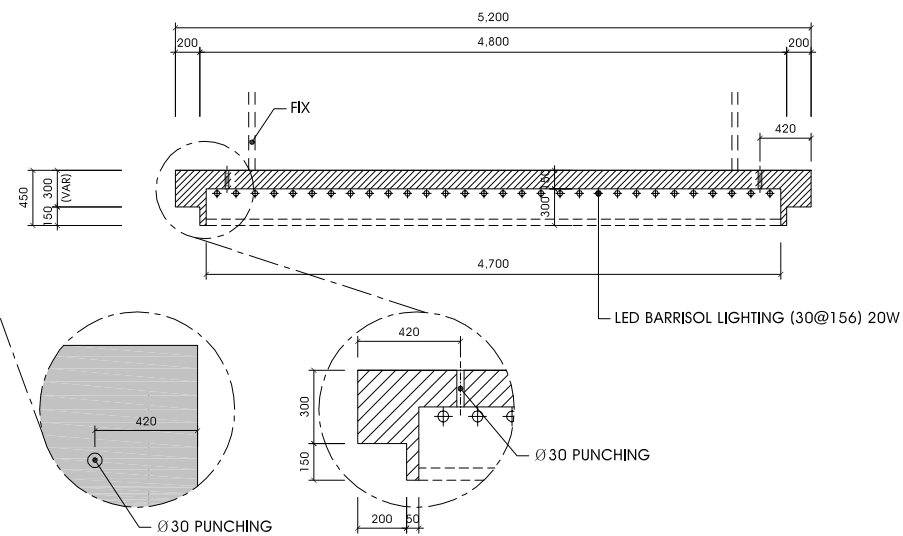


FLAGSHIP ZONE _ OBJET

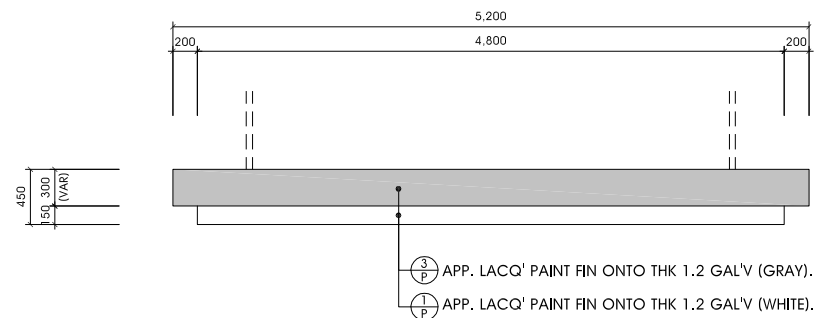
TOP



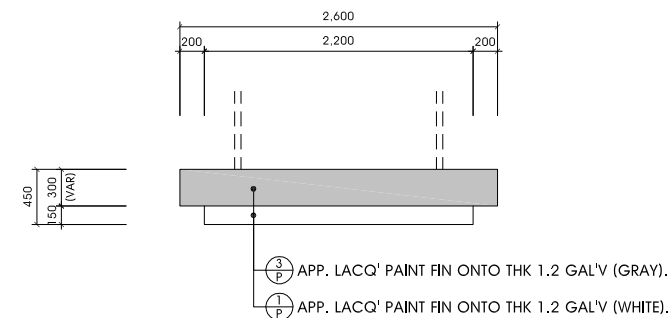
SECTION



FRONT



SIDE



GRAPHIC WALL

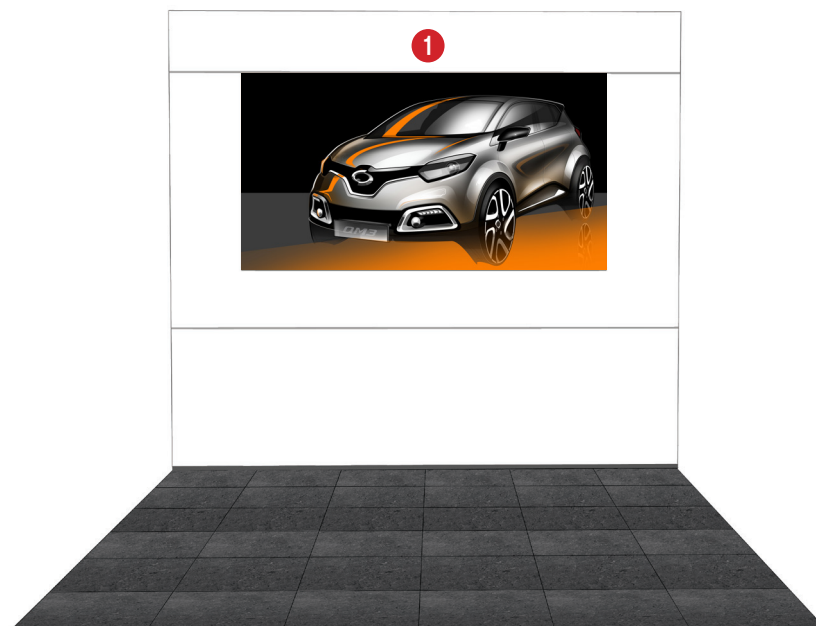
MOTOR GALLERY

Oil painting of our vehicles will turn the space into an art gallery, and make it feel more welcoming.

(Canvases should be installed in Counseling Zones, but more can be added, or changed after discussing the details with RENAULT SAMSUNG MOTORS' SI department)

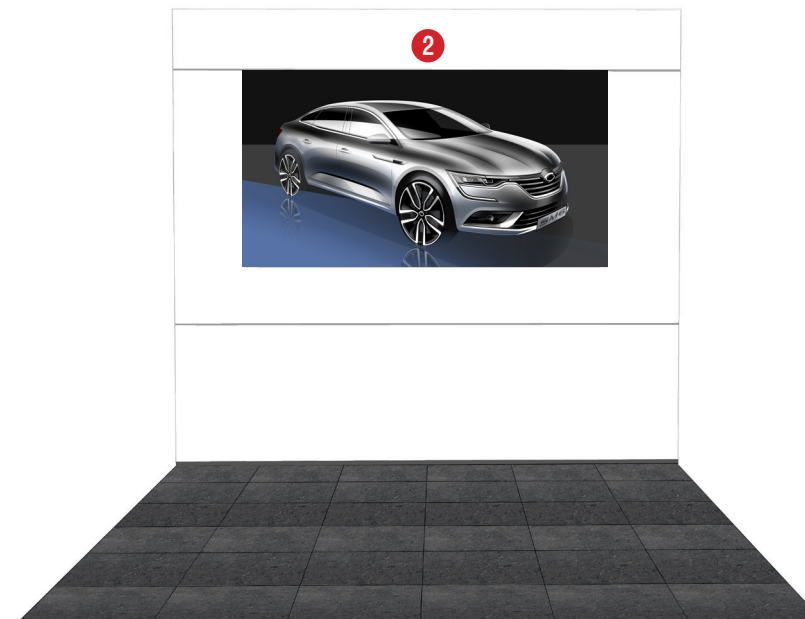
CANVAS TYPE

Canvas frames are used in most cases.



LIGHT PANEL TYPE

Light panels can be used based on conditions.



LEGEND

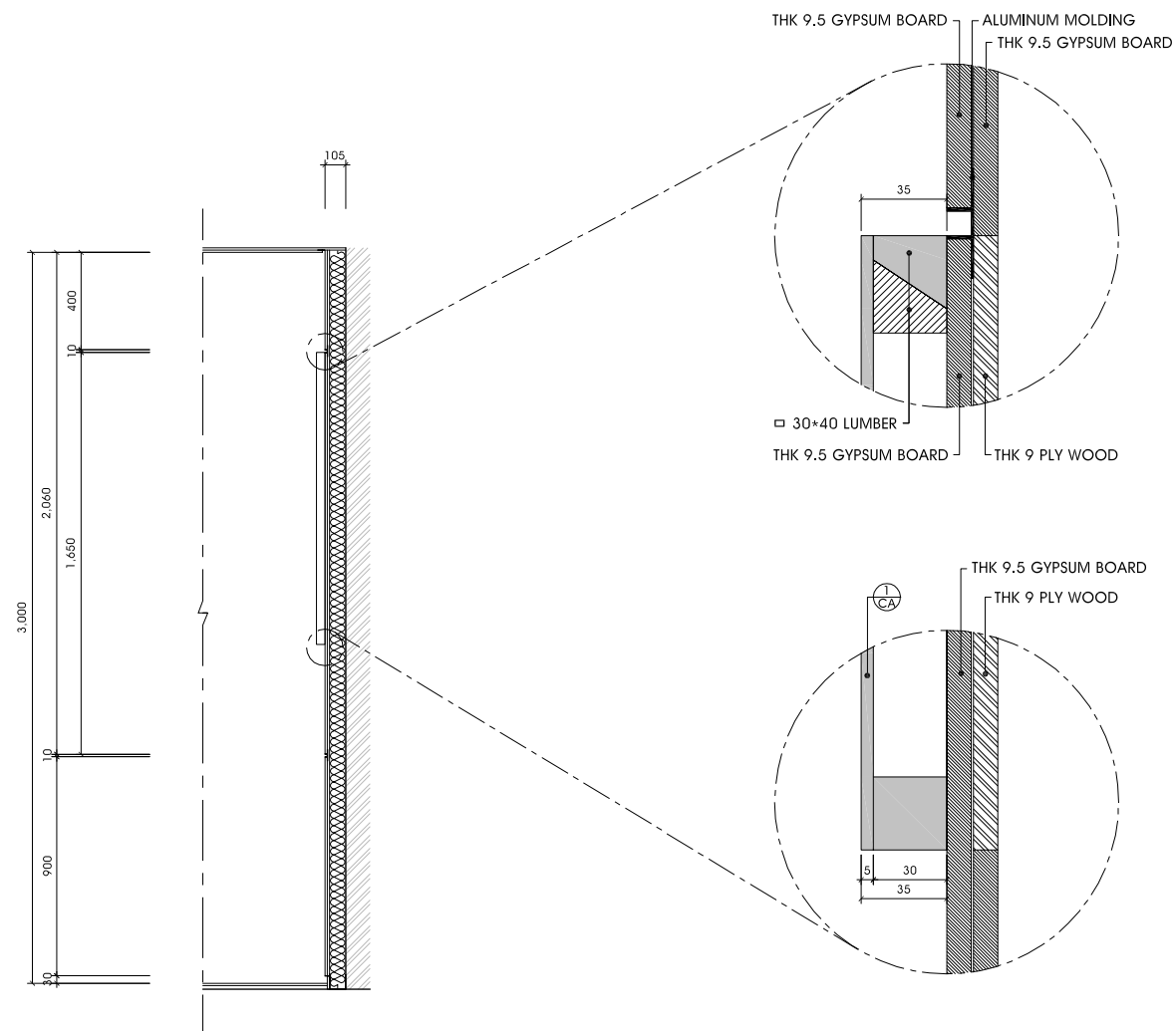
NO	Reference	Note
1	Canvas	
2	Light Panel	

ELEVATION



GRAPHIC WALL

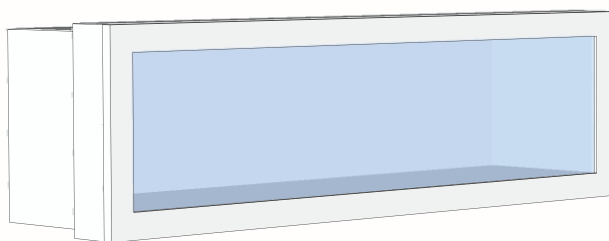
SECTION_A



ACCESSORY ZONE

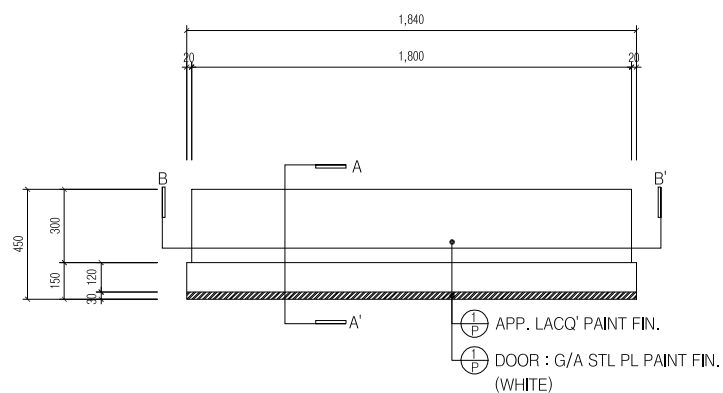
WALL-MOUNT

A base sales display for displaying & selling accessories.
Its size can be adjusted based on conditions.

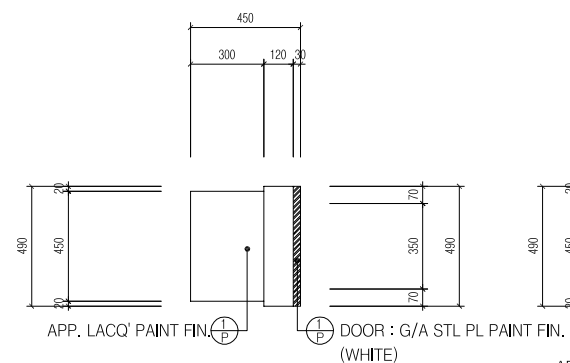


ACCESSORY ZONE

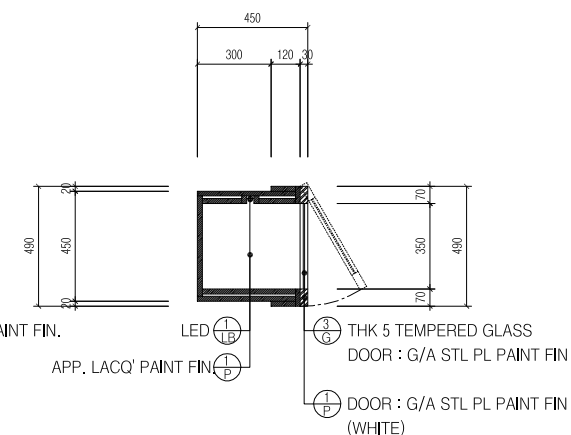
TOP



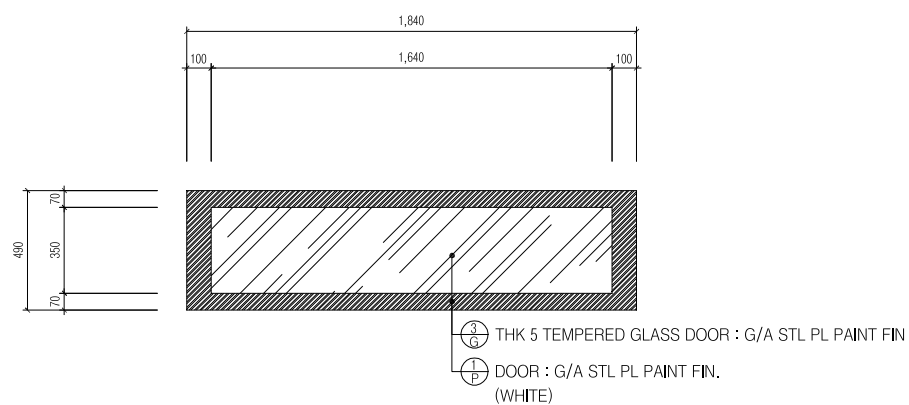
SIDE



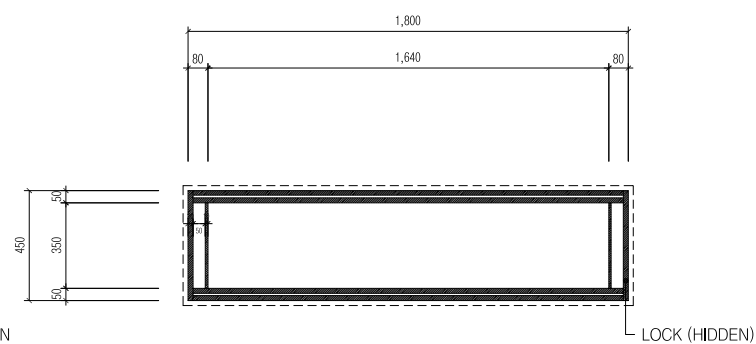
SECTION_A



FRONT



SECTION_B



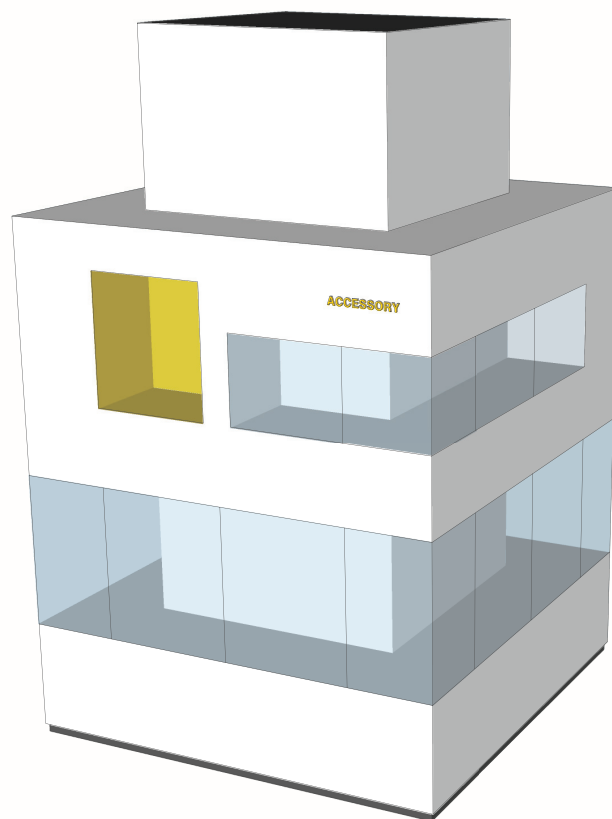
* ALL FURNITURE'S SIZE CAN BE ADJUSTED BASED ON CONDITIONS.

ACCESSORY ZONE

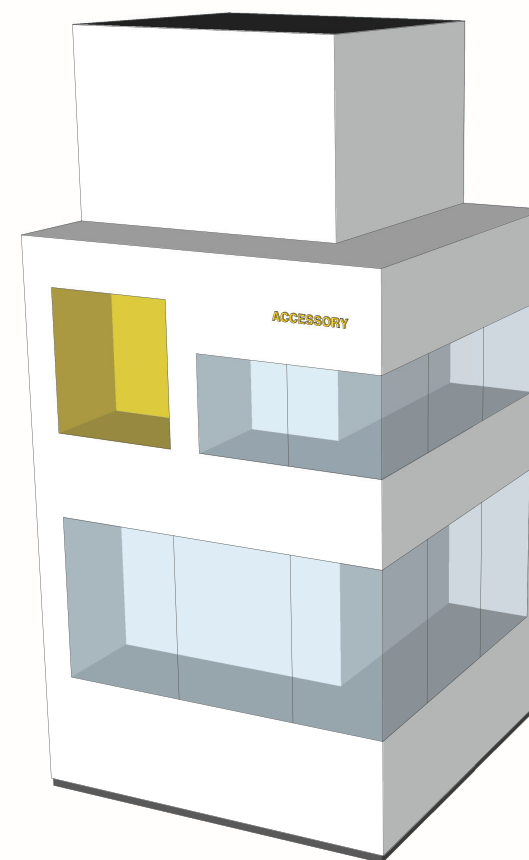
COLUMN

Based on conditions, a column-type sales display can be installed.

ALT-1. 4 SIDES

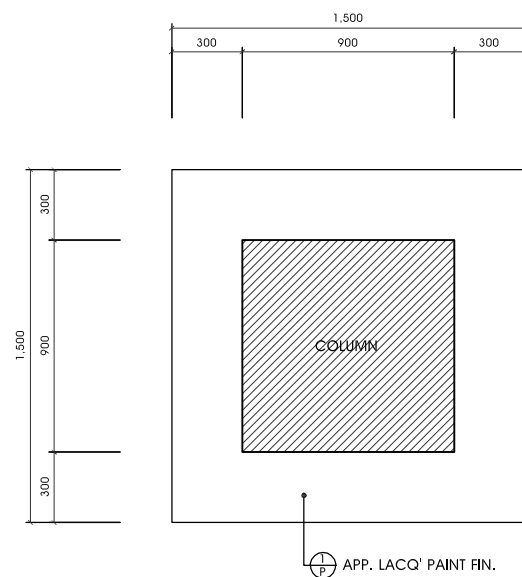


ALT-2. 2 SIDES

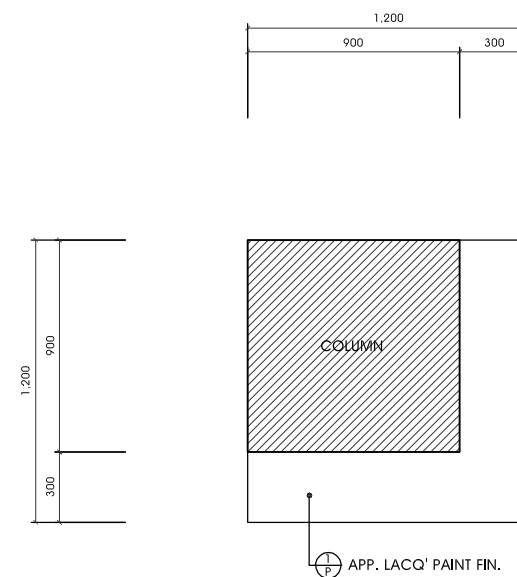


ACCESSORY ZONE

TOP_ 4 SIDES

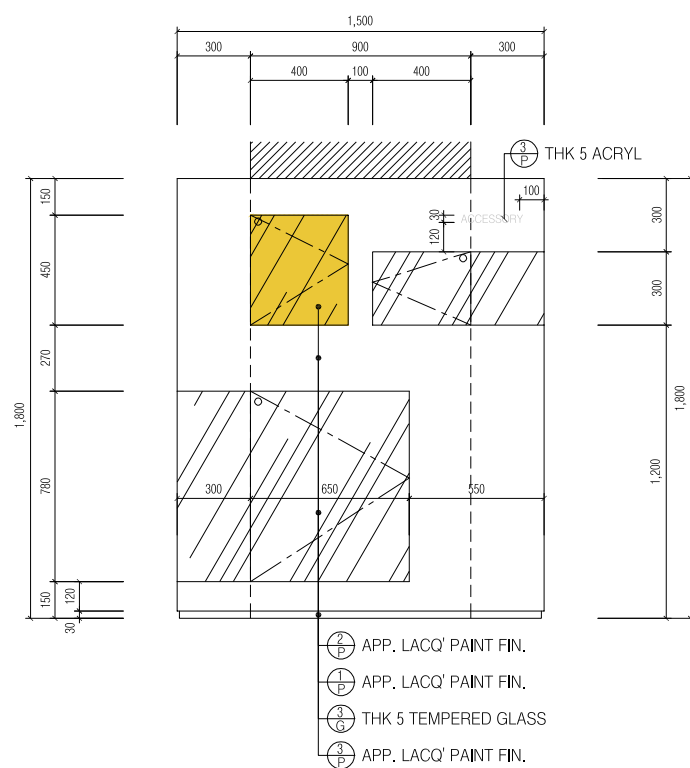


TOP_ 2 SIDES

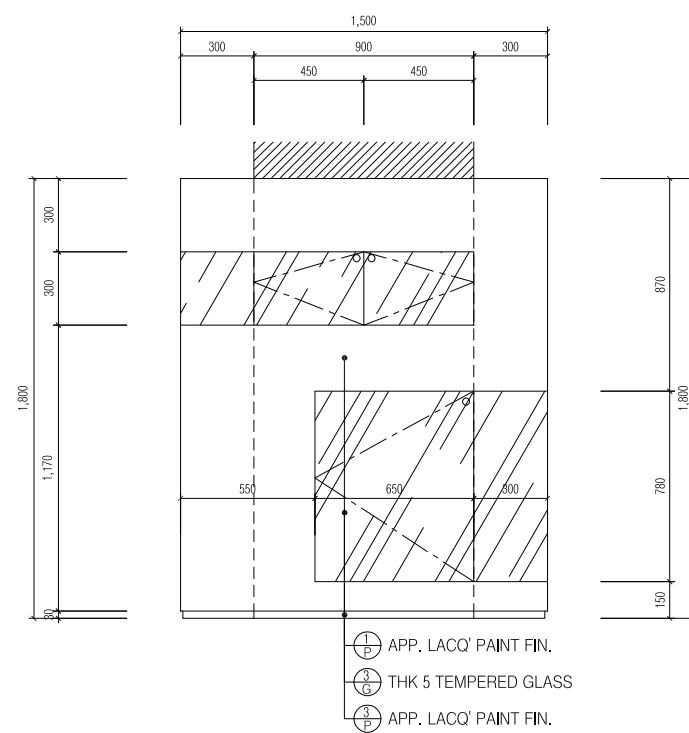


ACCESSORY ZONE

FRONT/BACK_4 SIDES

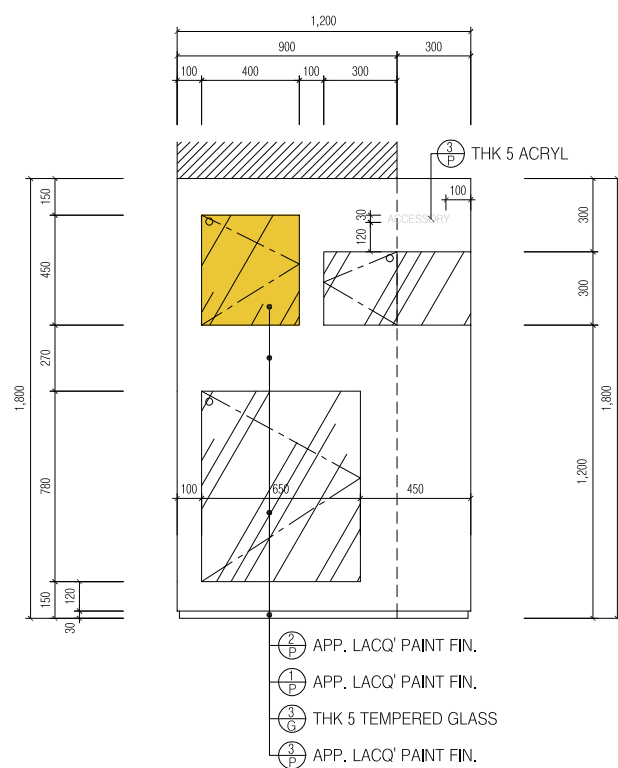


SIDE_4 SIDES

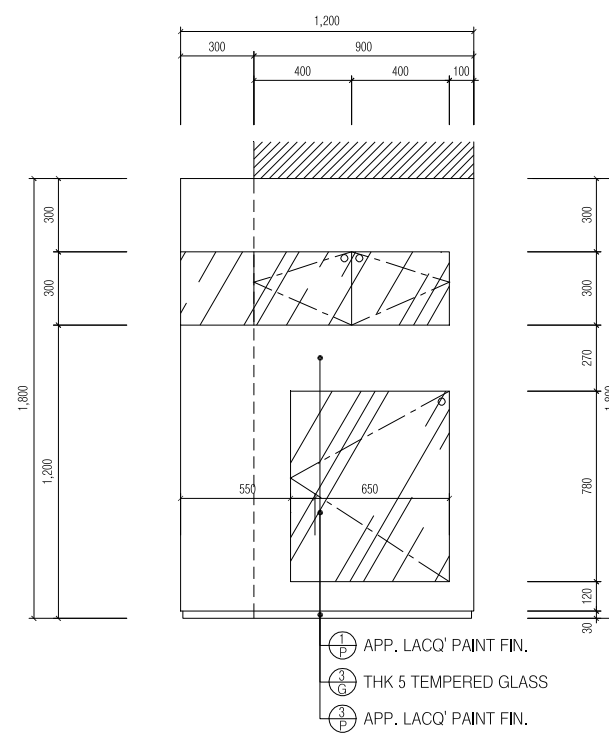


ACCESSORY ZONE

FRONT/BACK_2 SIDES



SIDE_2 SIDES



ACCESSORY ZONE

ISLAND

In case of premium/large exhibition spaces, island-type displays can be installed.

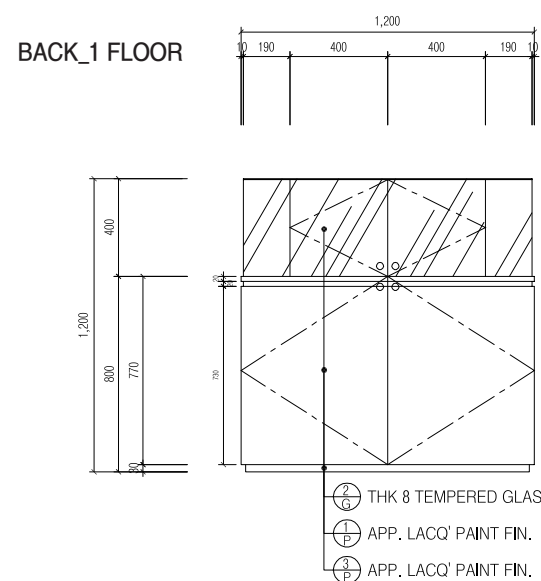
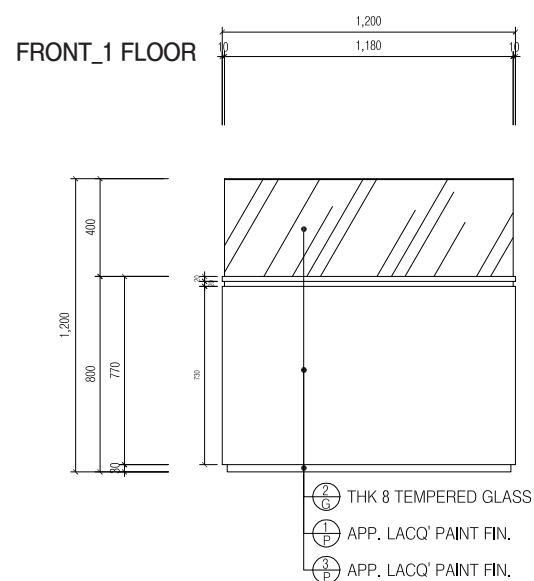
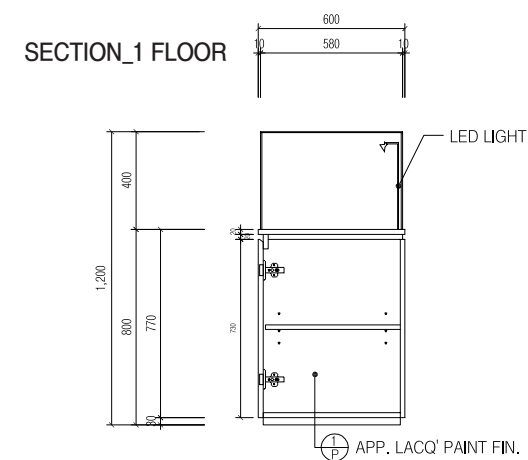
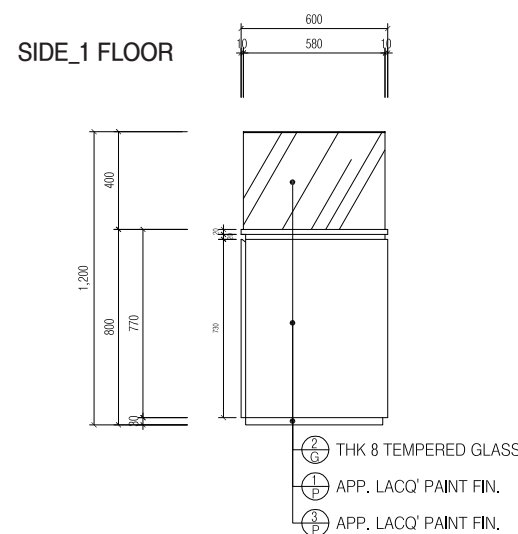
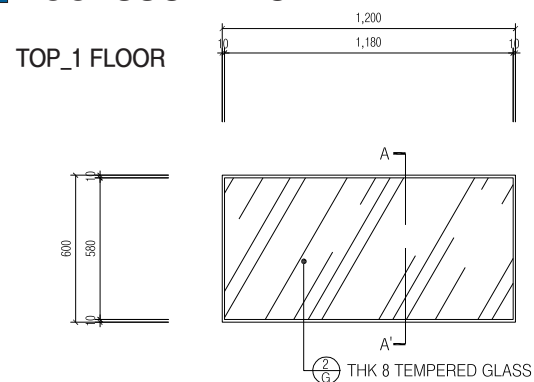
ALT-1. 1 FLOOR



ALT-2. 2 FLOORS

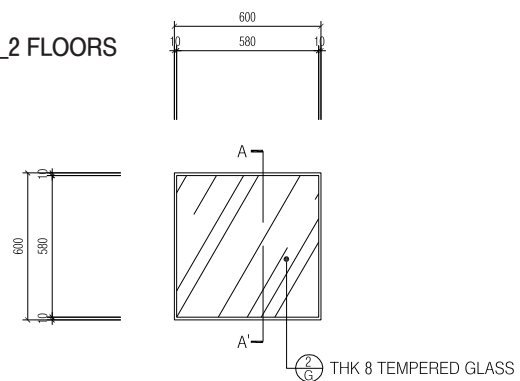


ACCESSORY ZONE

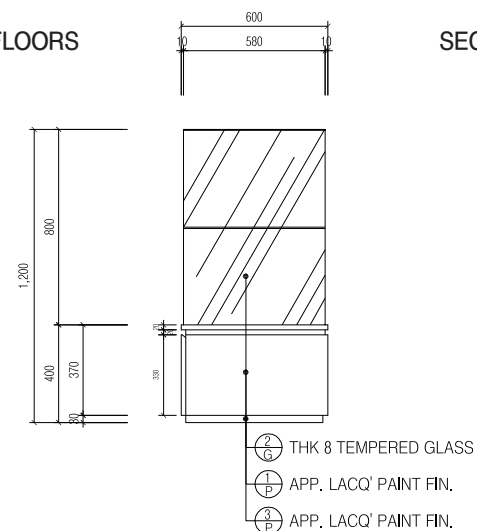


ACCESSORY ZONE

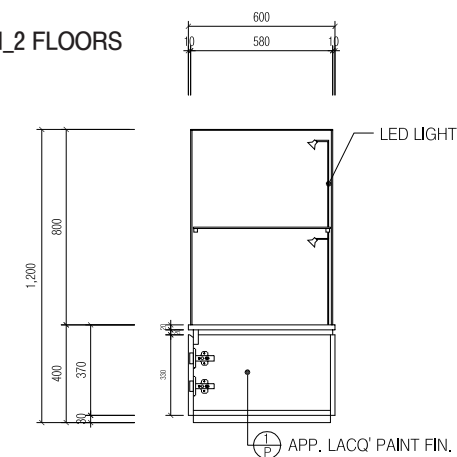
TOP_2 FLOORS



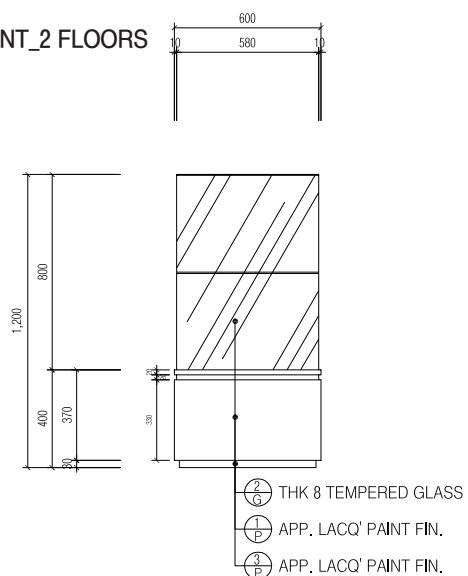
SIDE_2 FLOORS



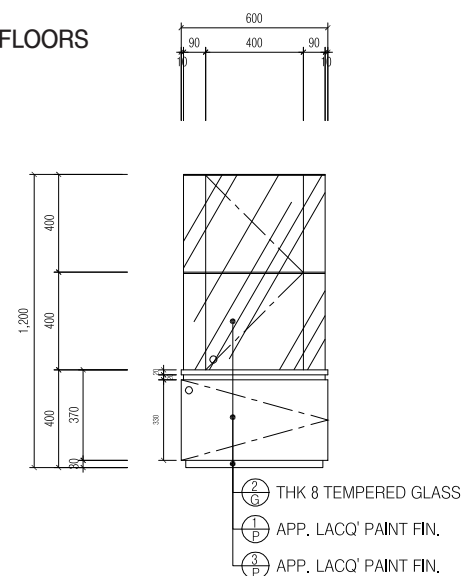
SECTION_2 FLOORS



FRONT_2 FLOORS



BACK_2 FLOORS



WATER PURIFIER

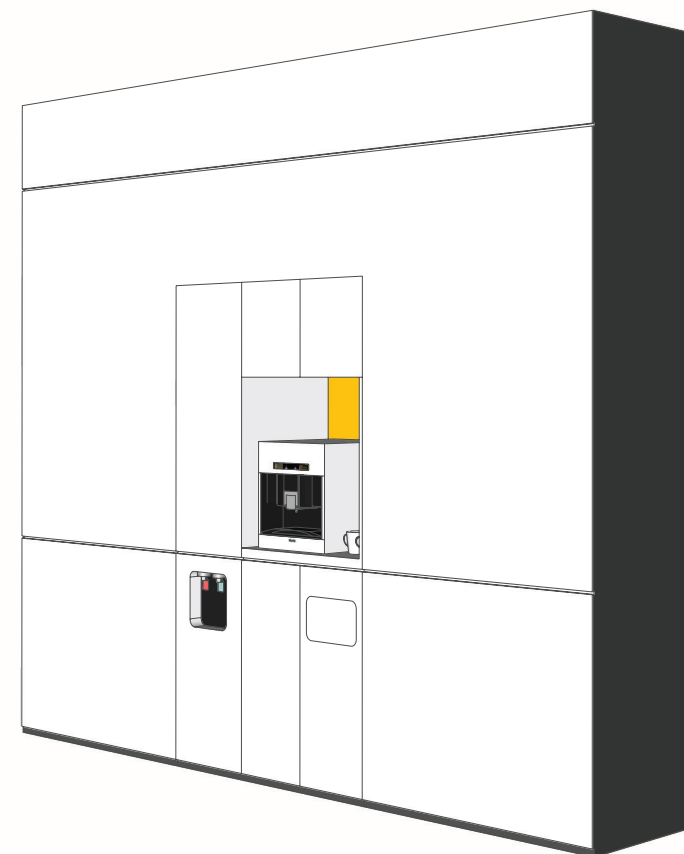
ALT-1. BASIC

Wall-mounted. (Water purifier's size must be checked before building)

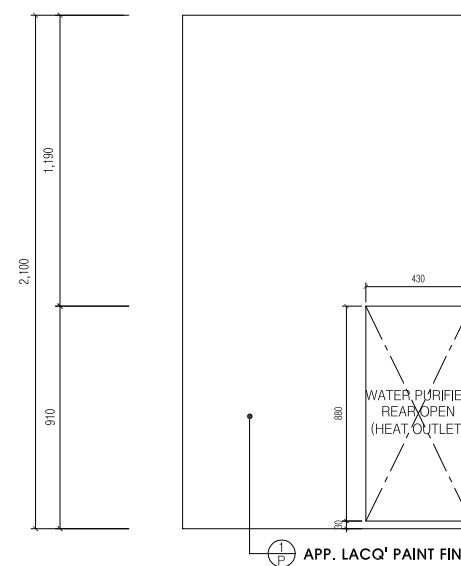
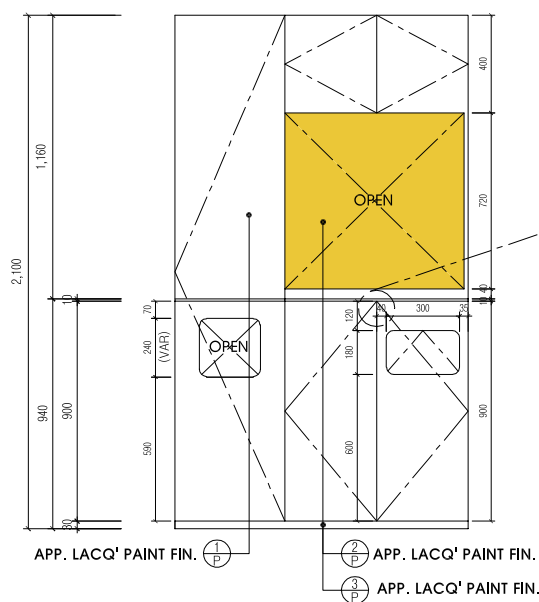


ALT-2. EXPANDED

Installed if needed.

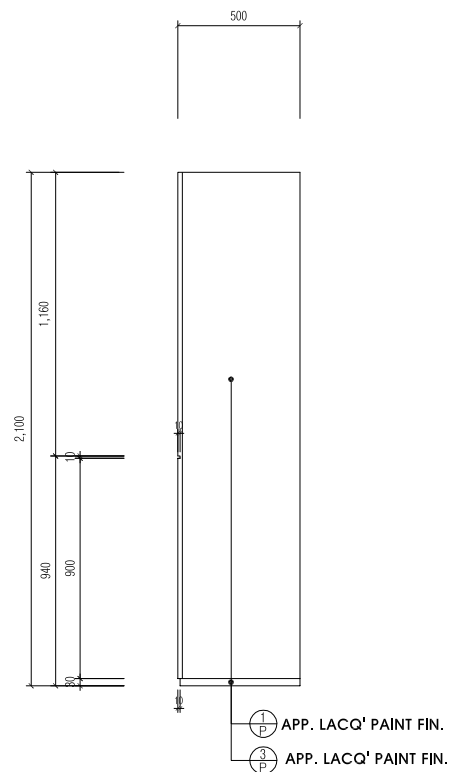


TOP

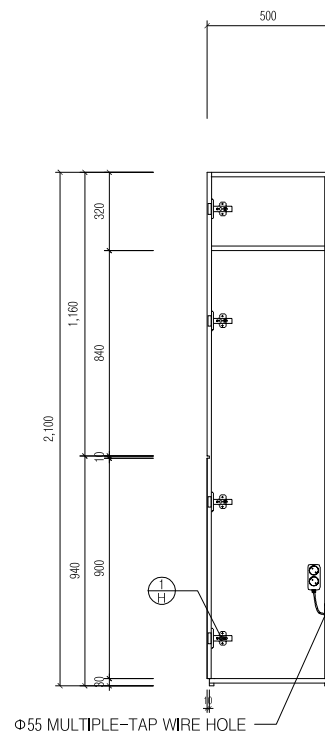


WATER PURIFIER ALT.1

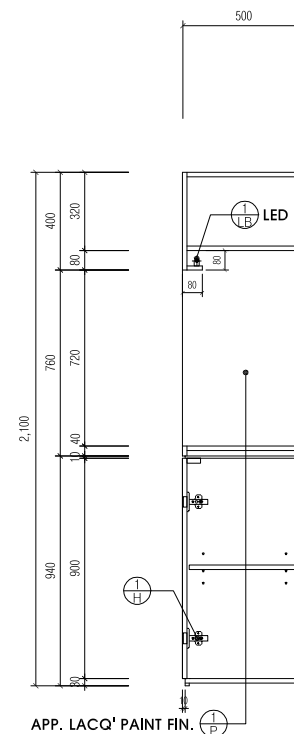
SIDE



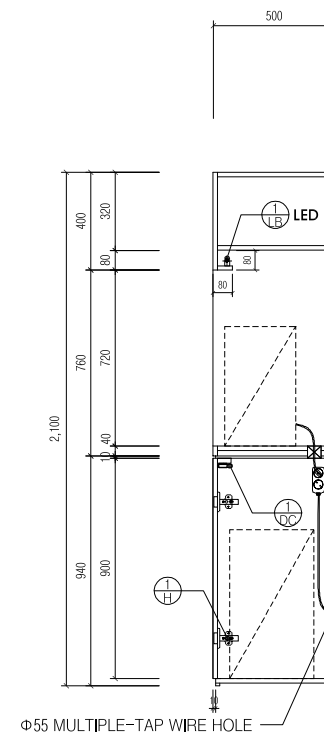
SECTION A-A'



SECTION B-B'

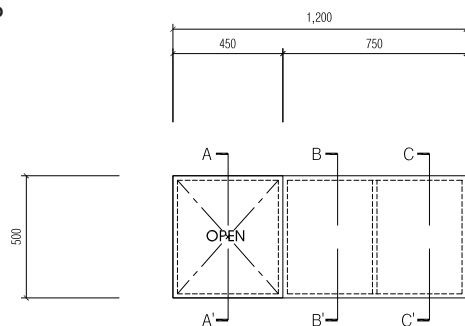


SECTION C-C'

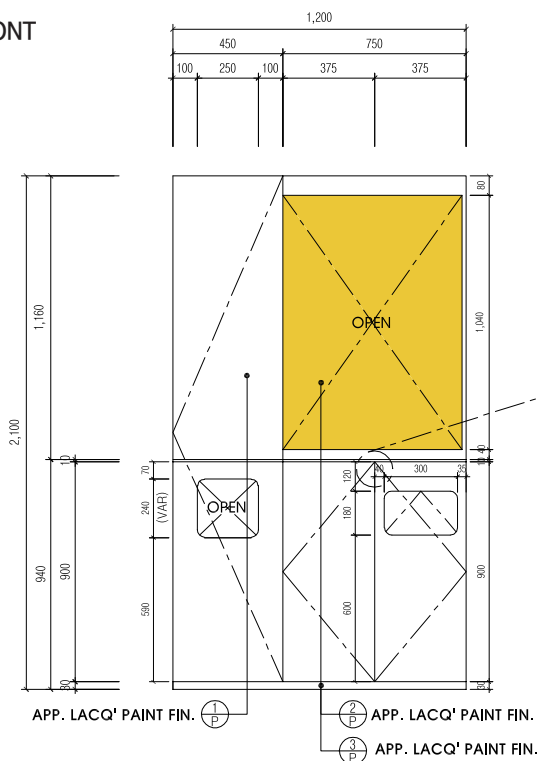


WATER PURIFIER ALT.2

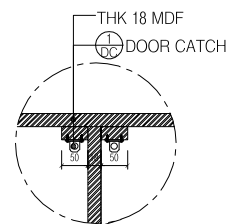
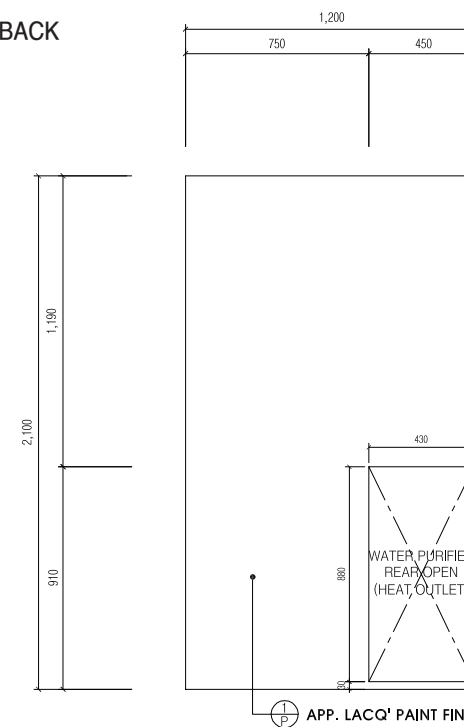
TOP



FRONT

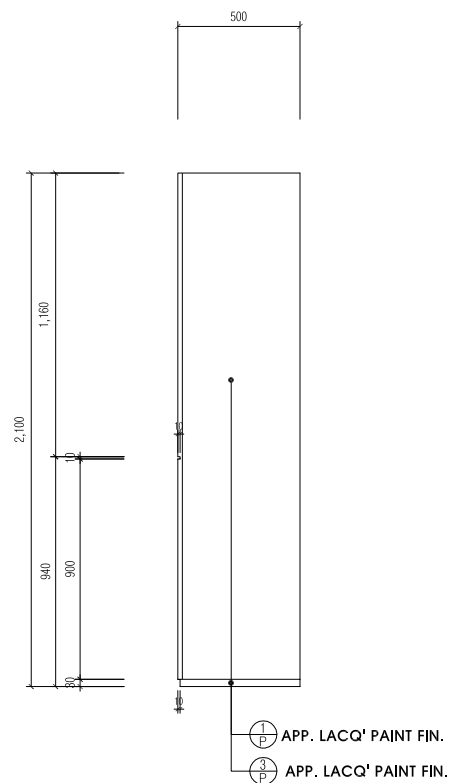


BACK

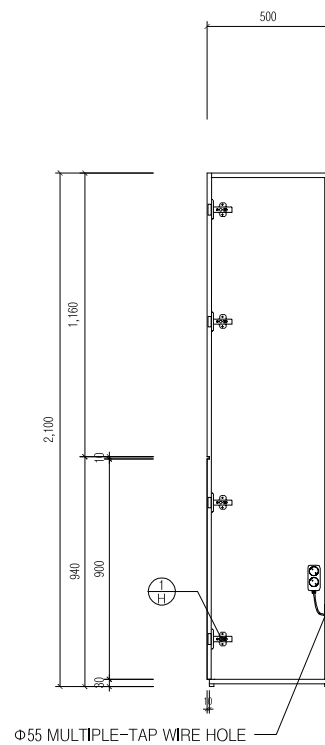


WATER PURIFIER ALT.2

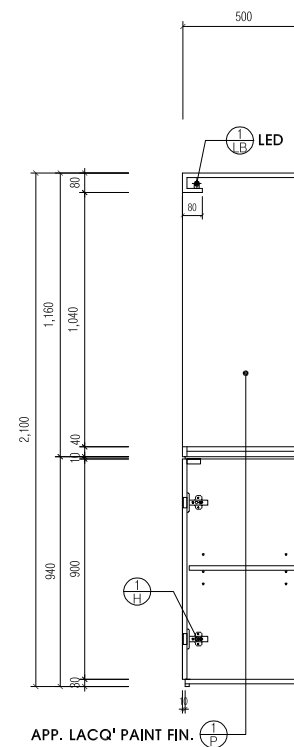
SIDE



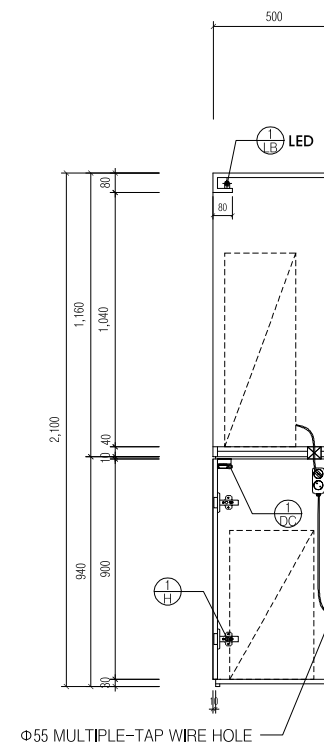
SECTION A-A'



SECTION B-B'



SECTION C-C'

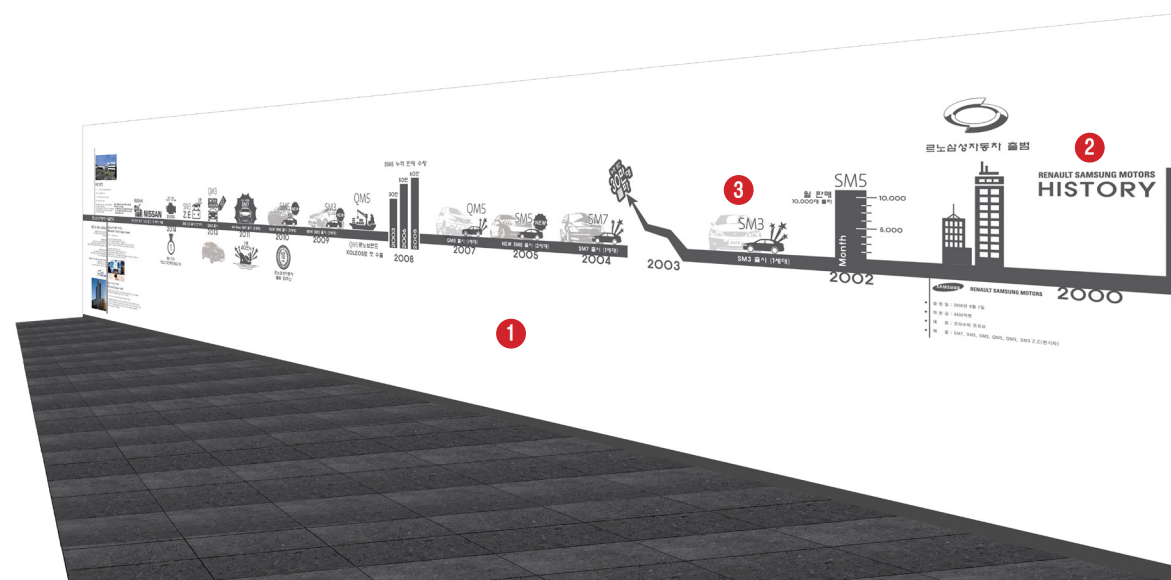
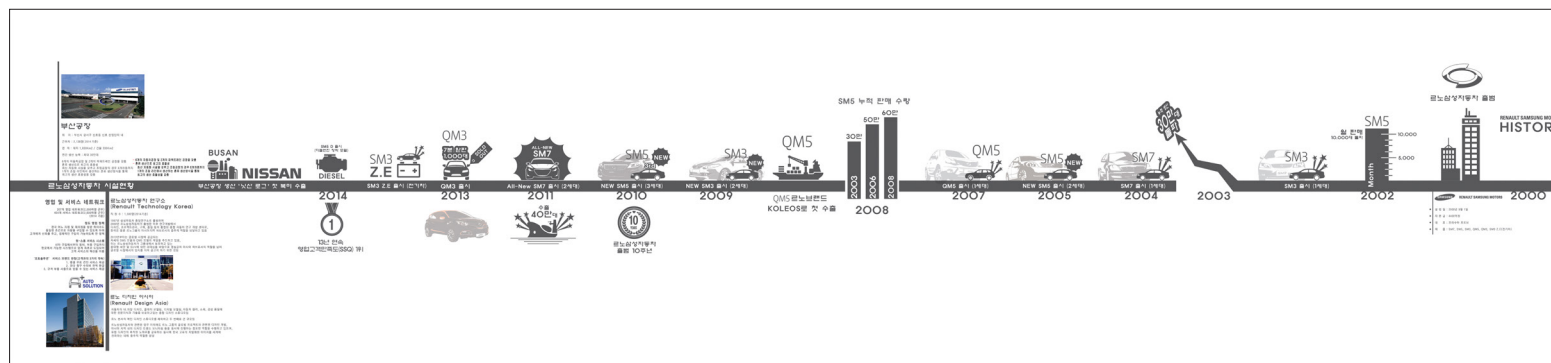


HISTORY ZONE

A PLACE OF HISTORY

In case of large/premium stores, a Design Wall detailing the history of Renault Samsung Motors can be installed.

In most cases, the wall is painted white. Its material and design can be changed based on onsite conditions.

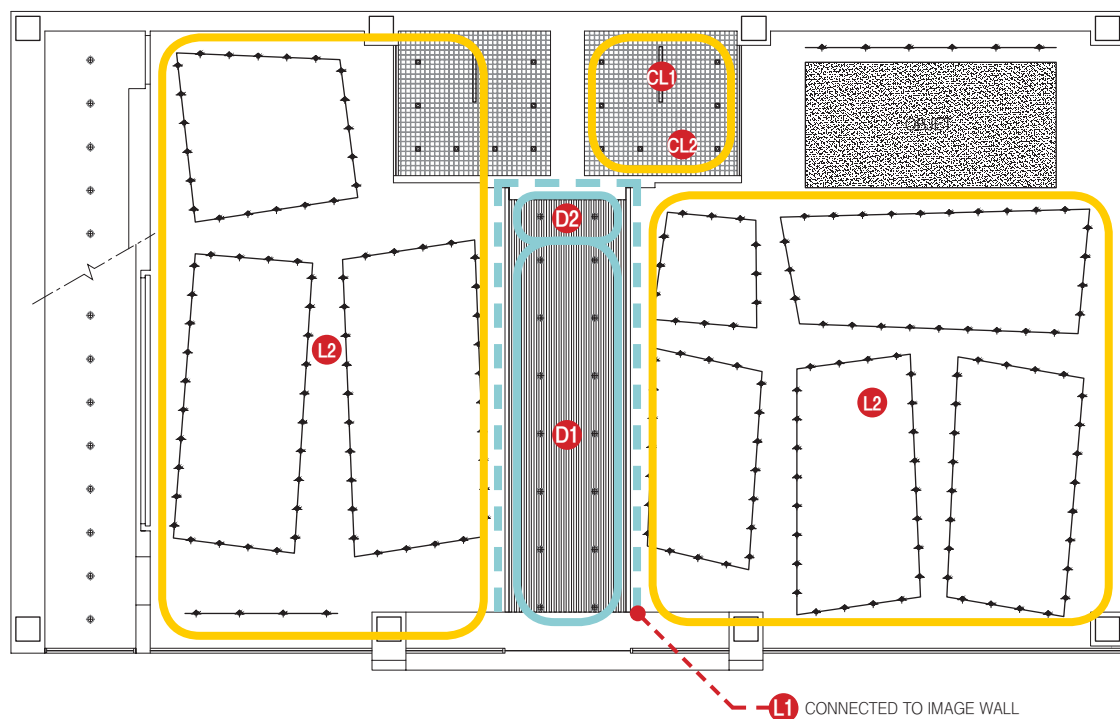


LEGEND

NO	Reference	Note
1	White Wall	
2	Typography	
3	Image Sheet	

CEILING

LIGHTING PLAN



COOL WHITE (5700K)

- The lights connected to Image Wall will emphasize our brand, and lead visitors in certain directions.

WARM YELLOW (4000K)

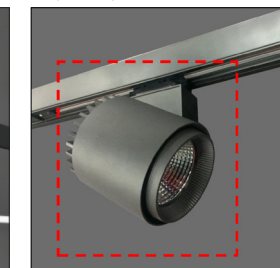
- Yellow lights will make the space feel luxurious, warm, and calm at the same time.
- Can be adjusted based on conditions.

LIGHTING FIXTURE

L1 (5700K)



L2 (4000K)



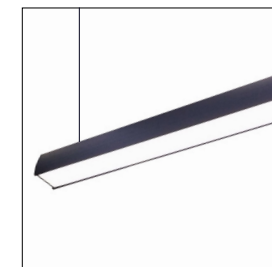
D1 (5700K)



D2 (5700K)



CL1 (5700K)

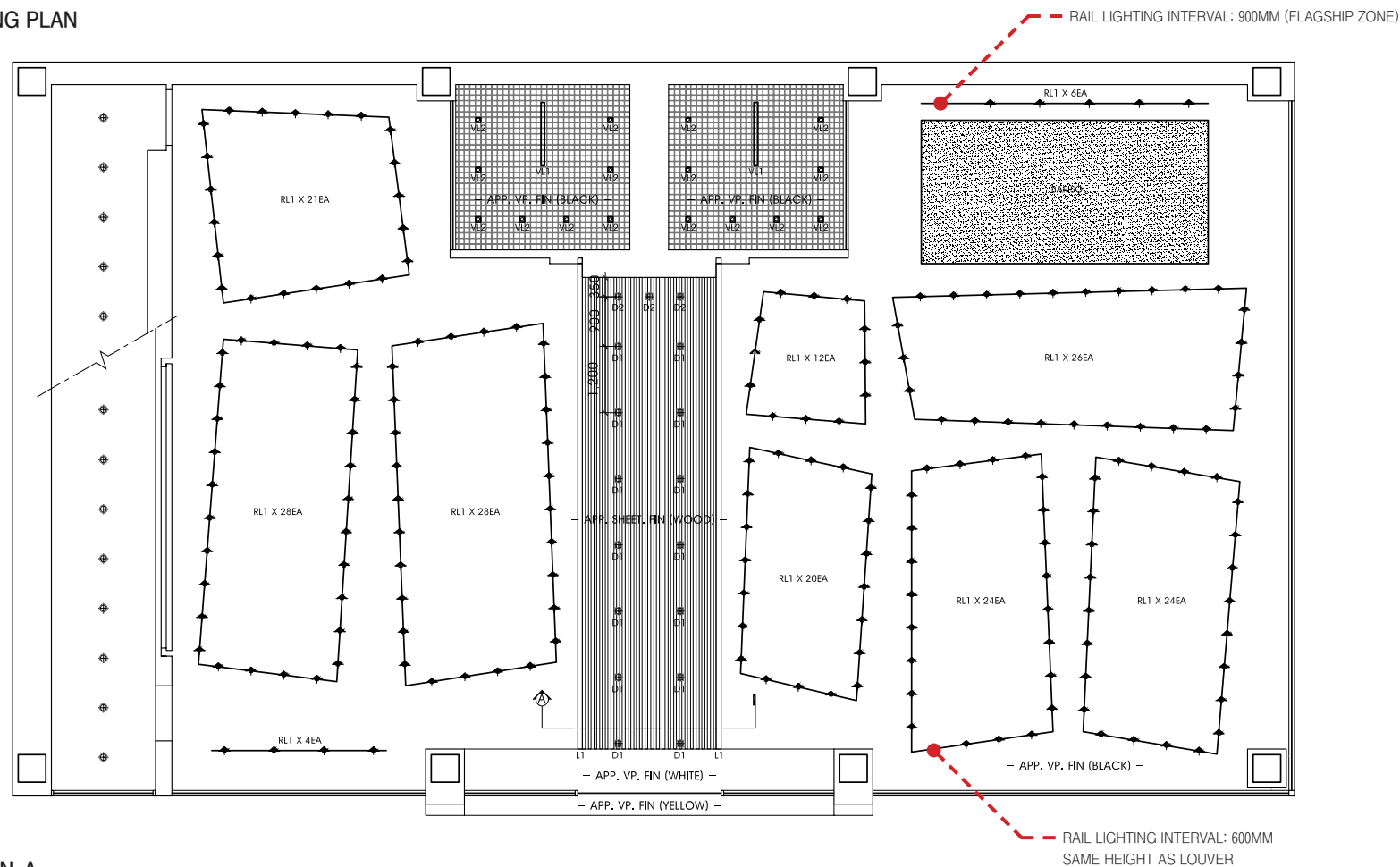


CL2 (4000K)

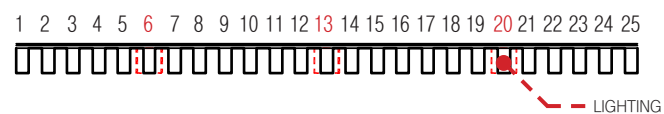


CEILING

LIGHTING PLAN



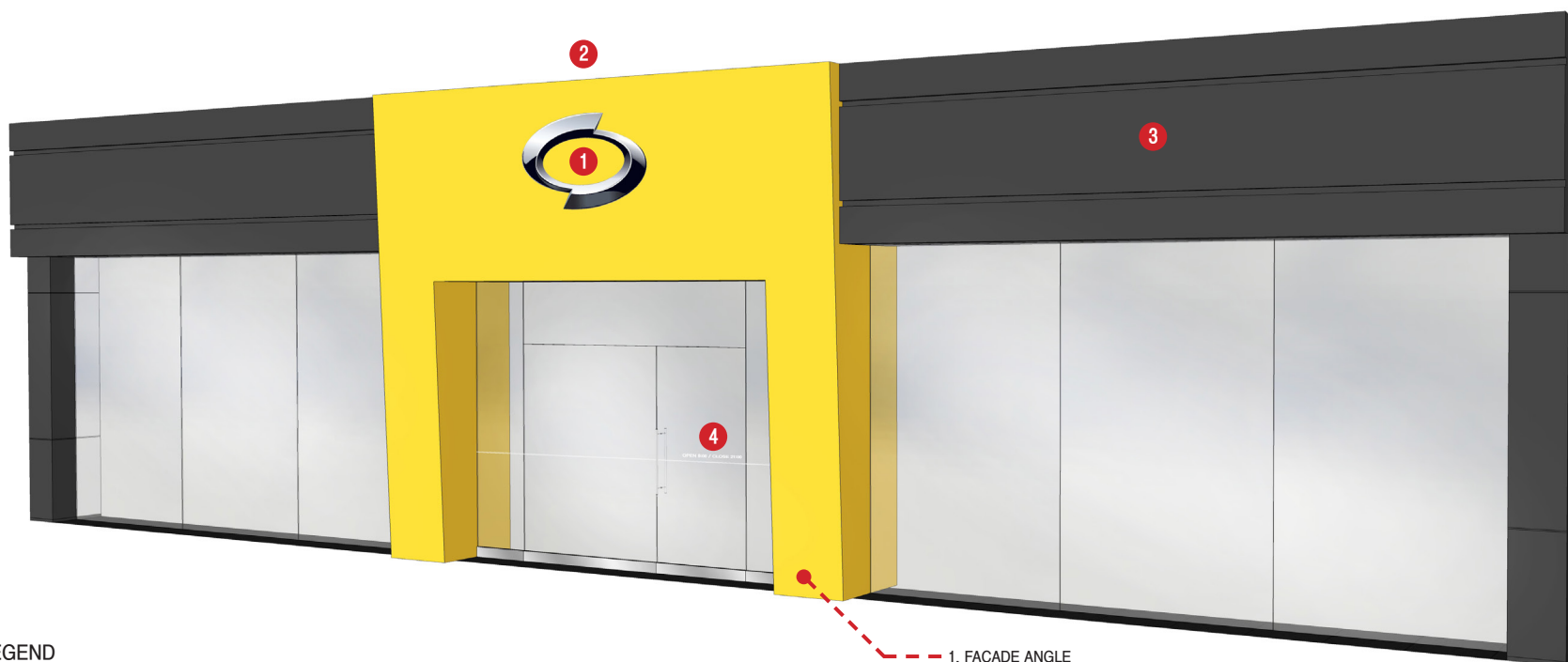
SECTION_A



- INSTALLING & ADJUSTING ANGLES OF LIGHTING MUST BE DISCUSSED WITH THE PERSON IN CHARGE.

FACADE

ALT.1 BASIC TYPE



LEGEND

NO	Reference	Note
1	Brand Mark	
2	Yellow Gate	
3	Sign	
4	Sheet	

1. FACADE ANGLE

- The facade must be angled at 3 degrees

2. IF COLUMNS ALREADY EXIST

- Build the facade to wrap around the columns

3. IF THE GAP BETWEEN THE COLUMNS IS 6M OR LONGER, OR IF THE COLUMNS DON'T EXIST

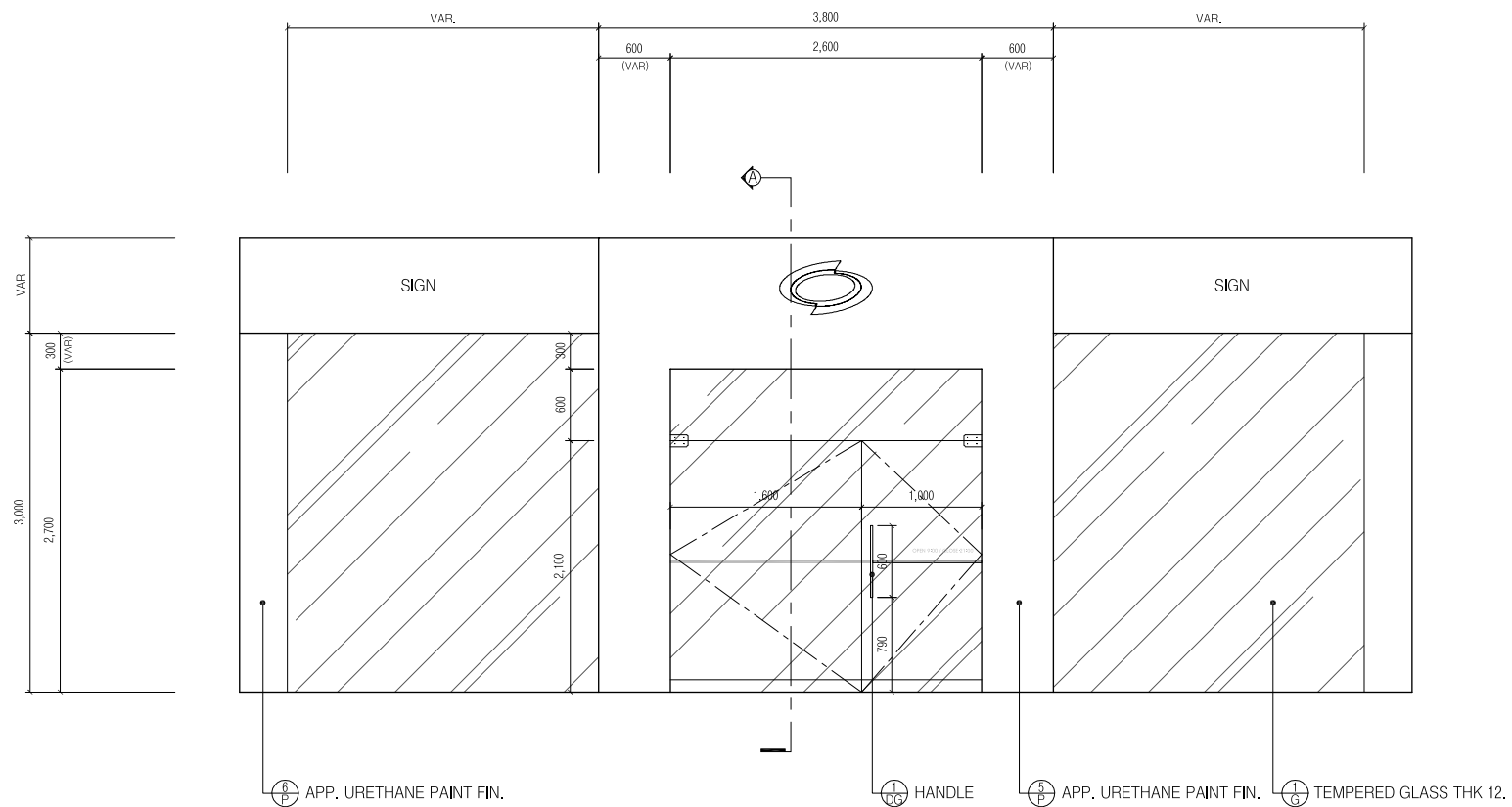
- Build the facade in designated dimensions (entrance/exit width: 2,6M)

4. FINISHING MATERIALS

- Gate (Yellow): THK 1.6 G/A STL PL
- Sign/Column (Gray) : Composite panel

FACADE

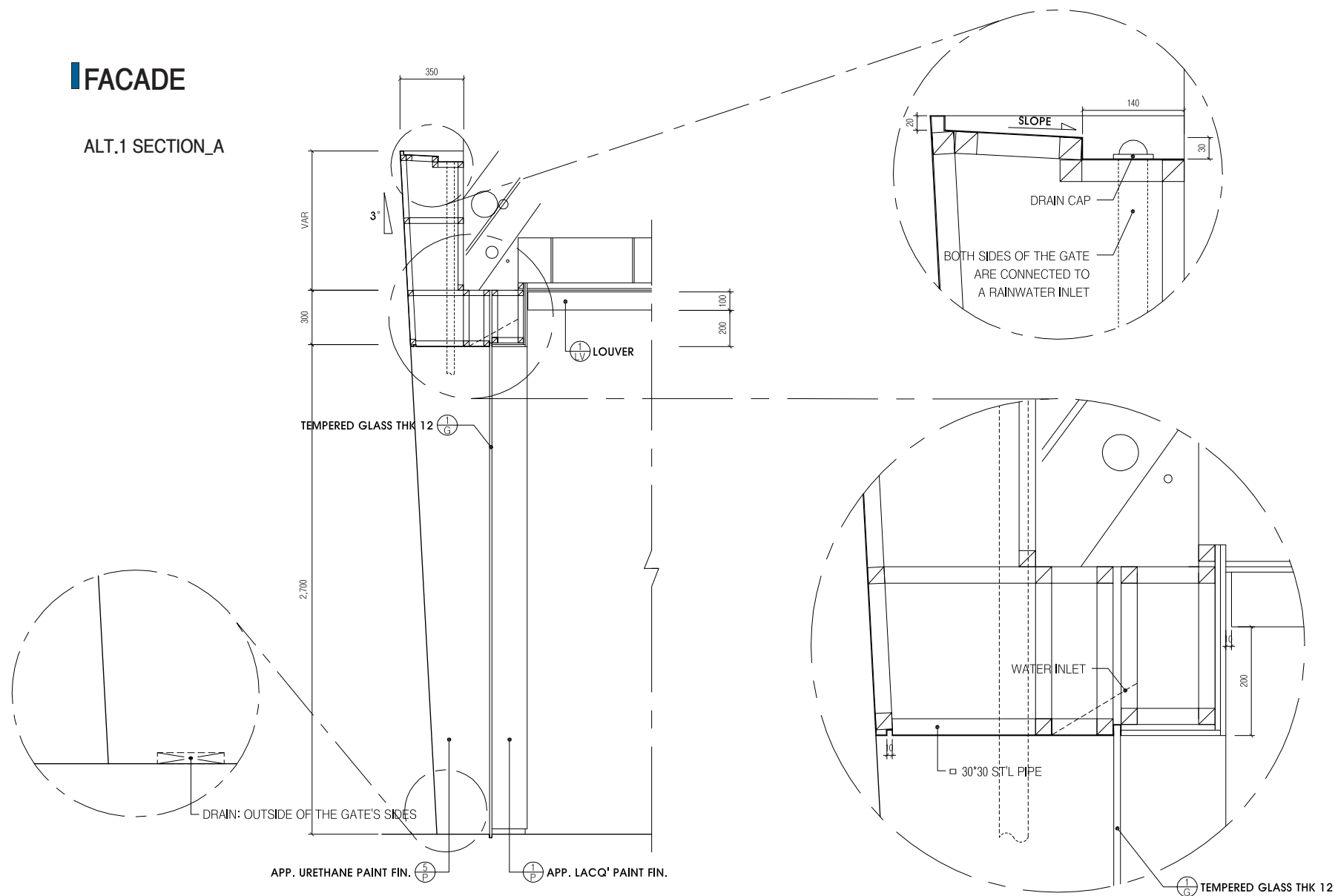
ALT.1 ELEVATION



* If the exhibition space is intended for large vehicles, the size of the entrance/exit can be adjusted.

FACADE

ALT.1 SECTION_A



FACADE

ALT.2 PROTRUDE TYPE



LEGEND

NO	Reference	Note
1	Brand Mark	
2	Yellow Gate	
3	Sign	
4	Sheet	

1. PROTRUDED SIGN

– Planned based on the overall shape of the building

2. FACADE ANGLE

– The sign must maintain its angle, while the columns are built vertically

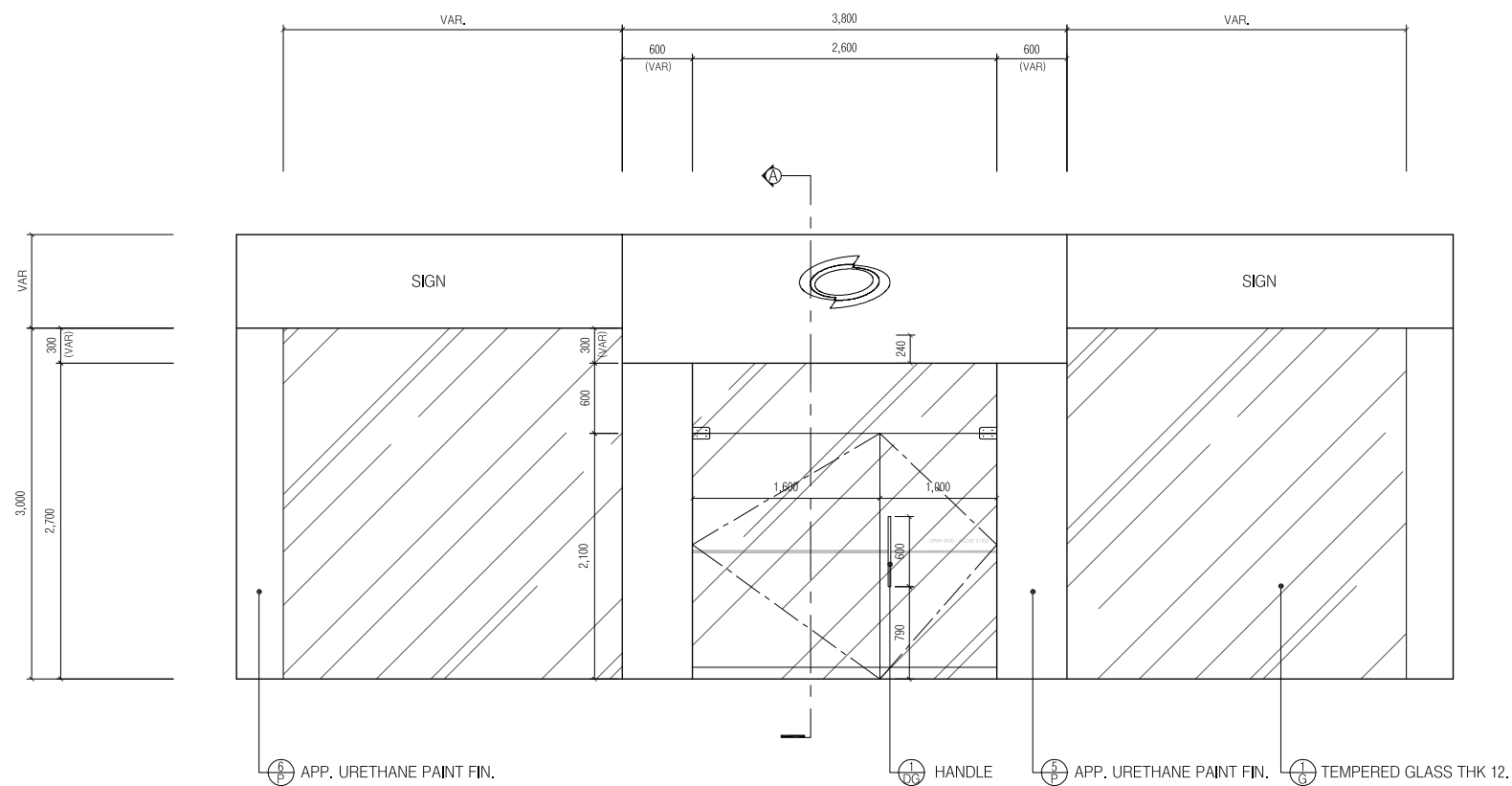
3. FINISHING MATERIAL

– Gate (Yellow) : THK 1.6 G/A STL PL

– Sign/Column (Gray) : Composite panel

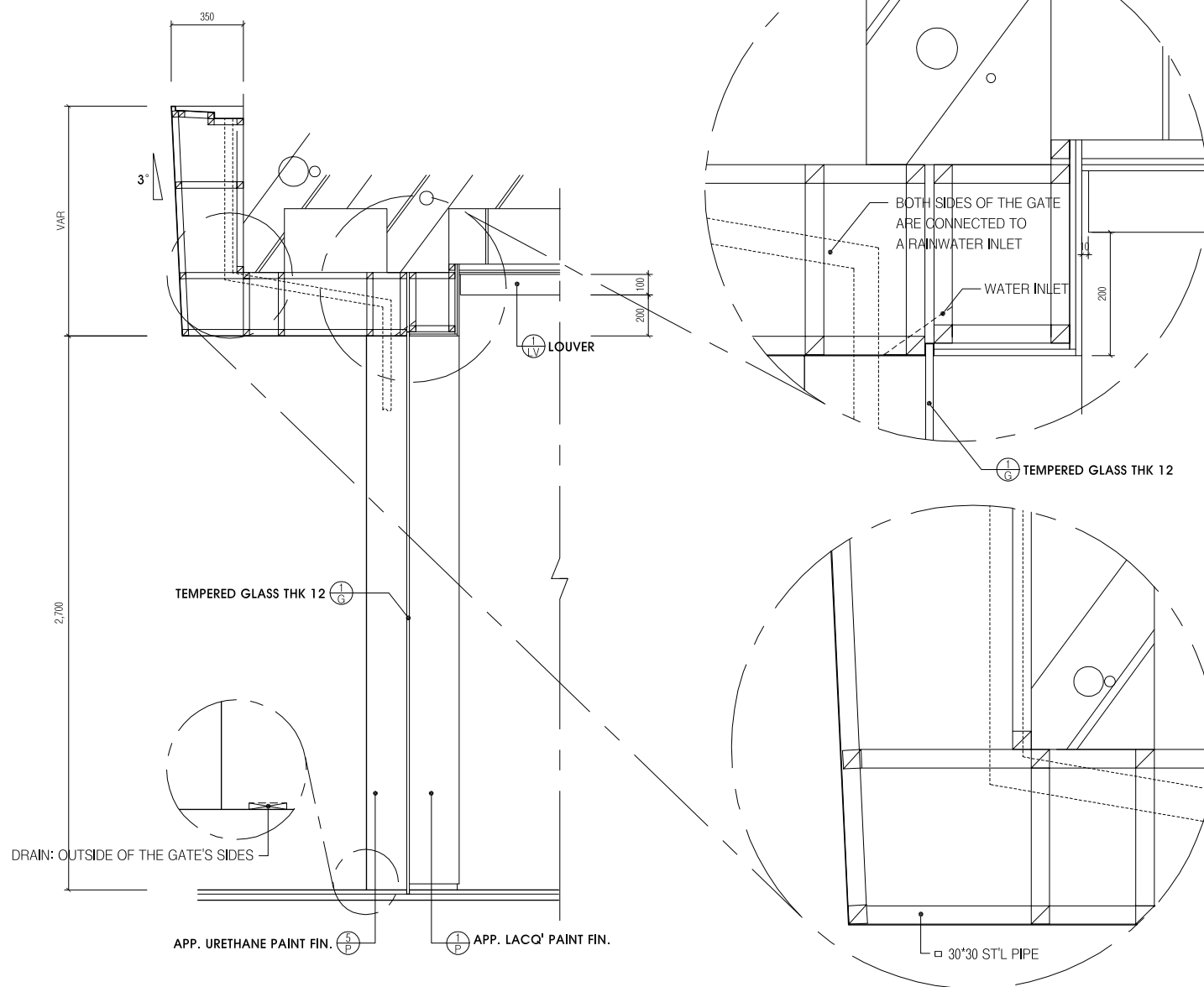
FACADE

ALT.2 ELEVATION



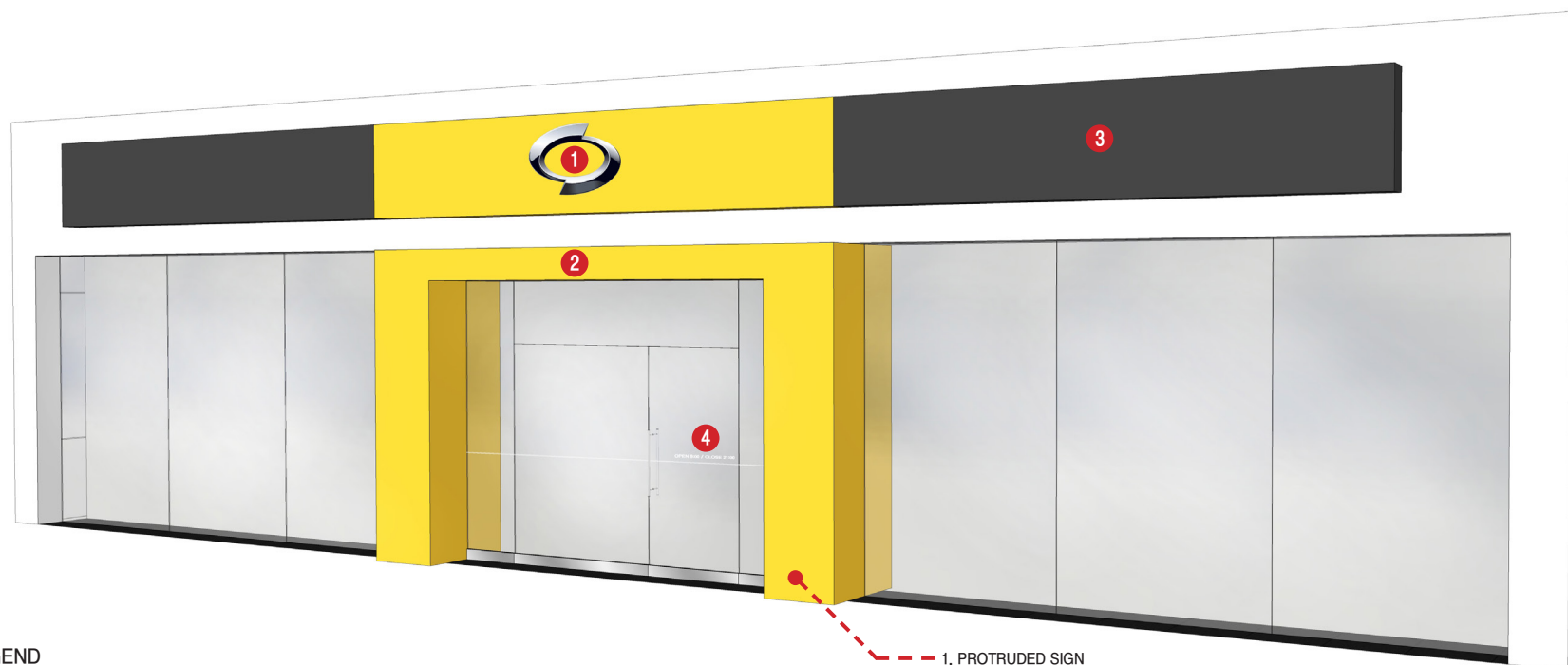
FACADE

ALT.2 SECTION_A



FACADE

ALT.3 DIVIDE TYPE



LEGEND

NO	Reference	Note
1	Brand Mark	
2	Yellow Gate	
3	Sign	
4	Sheet	

1. PROTRUDED SIGN

– Based on the environment, the facade can be separated from the sign

2. FACADE ANGLE

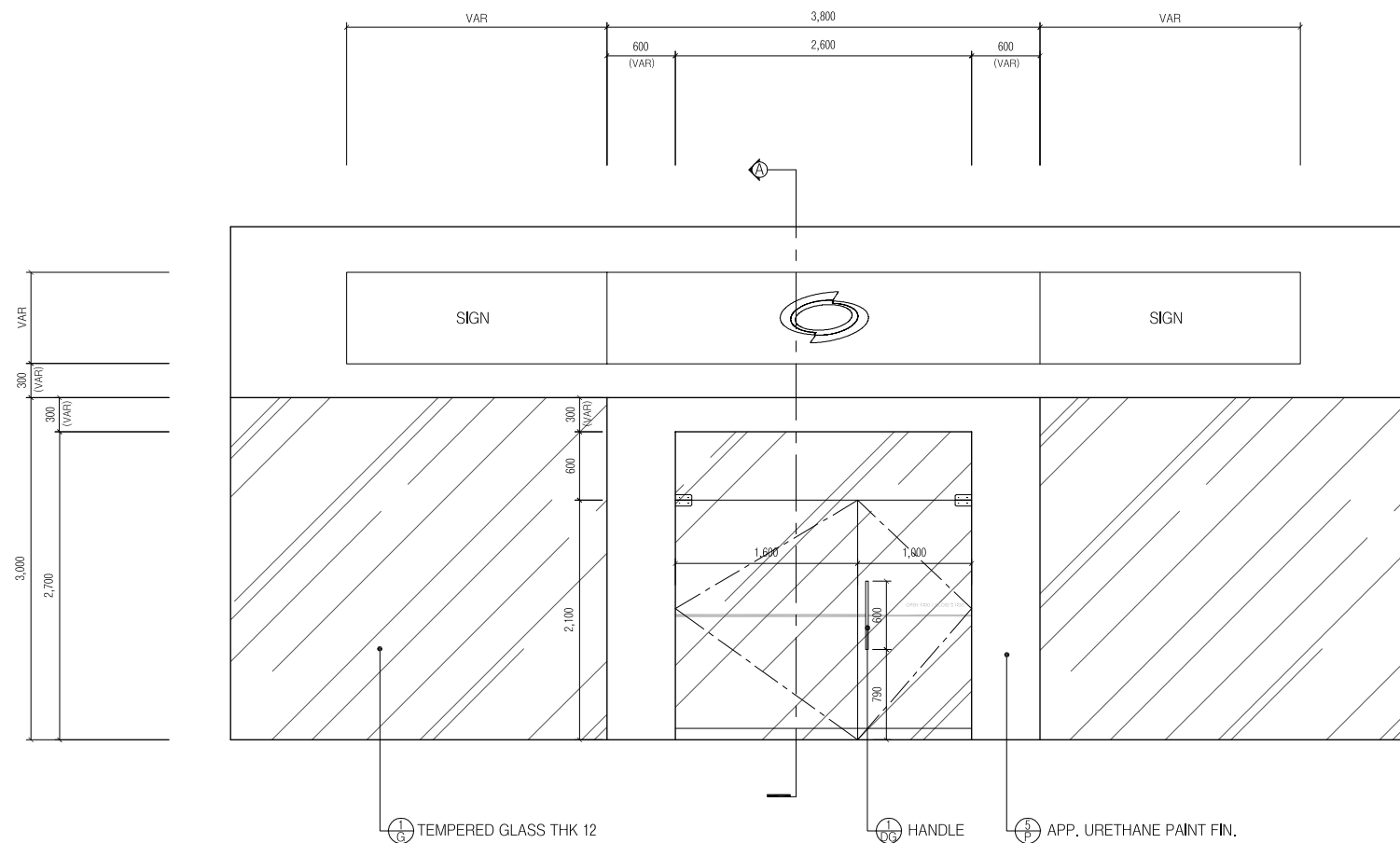
– The sign and the gate must all be built vertically

3. FINISHING MATERIAL

– Gate/Sign (Yellow) : Composite panel (discuss with Renault Samsung's SI department)

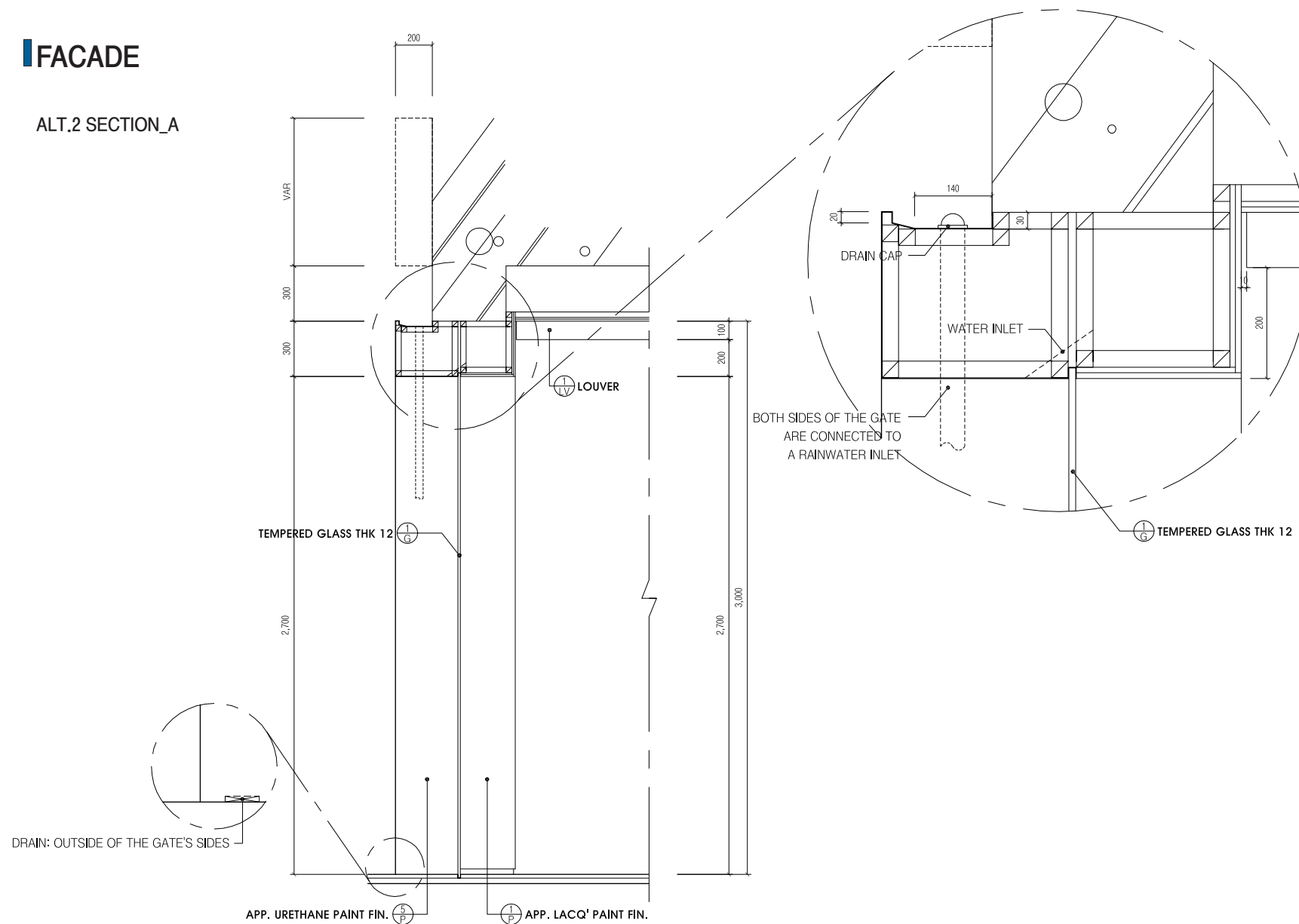
FACADE

ALT.2 ELEVATION



FACADE

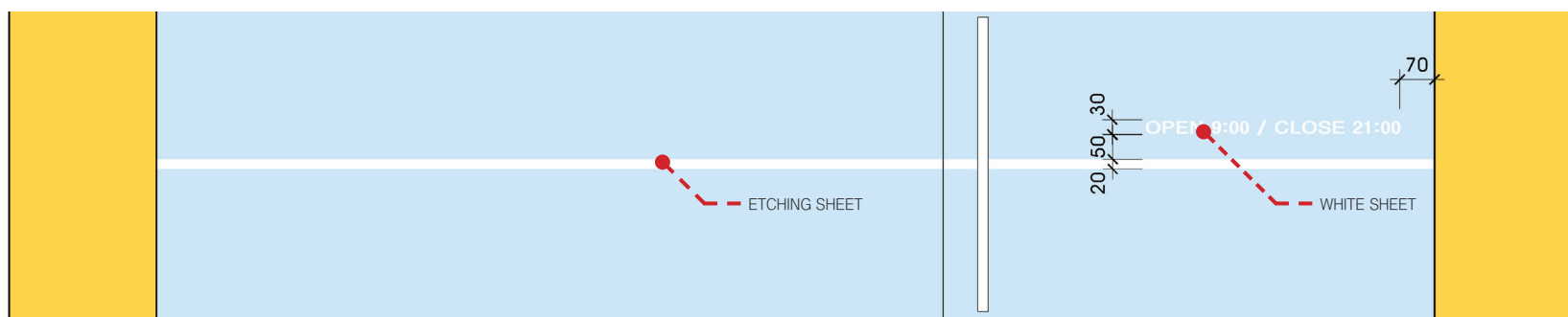
ALT.2 SECTION_A



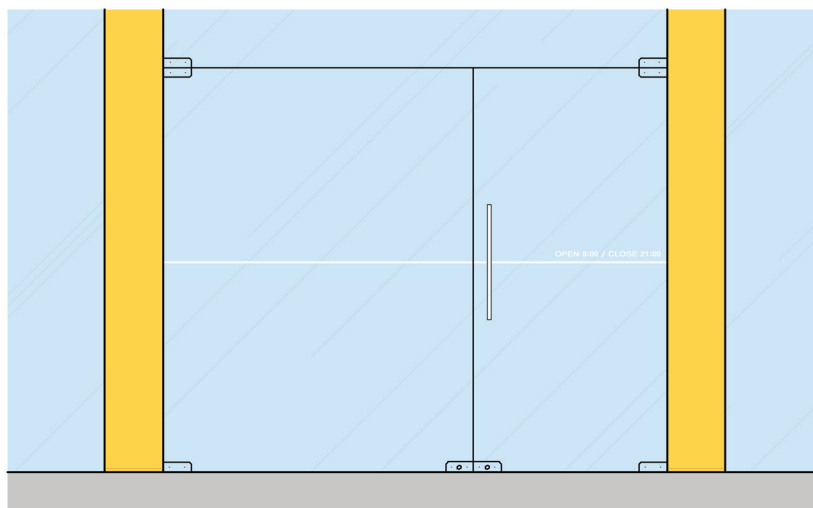
FACADE

SHEET (WHITE)

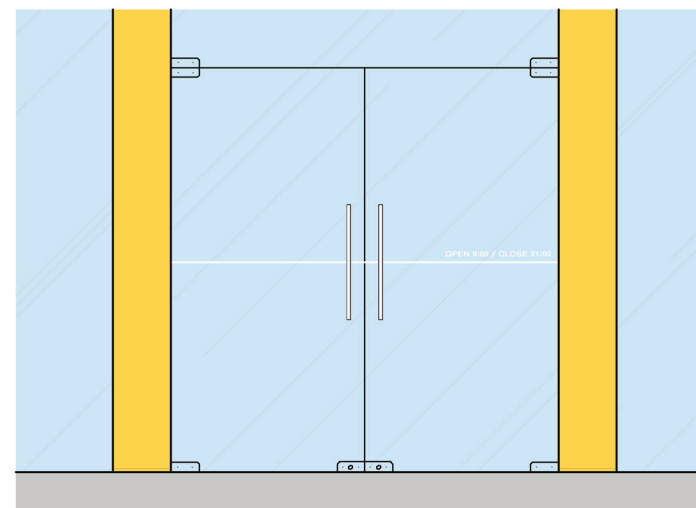
The sheet line must go through the center point of the entrance handle.



W:2,600 DOOR

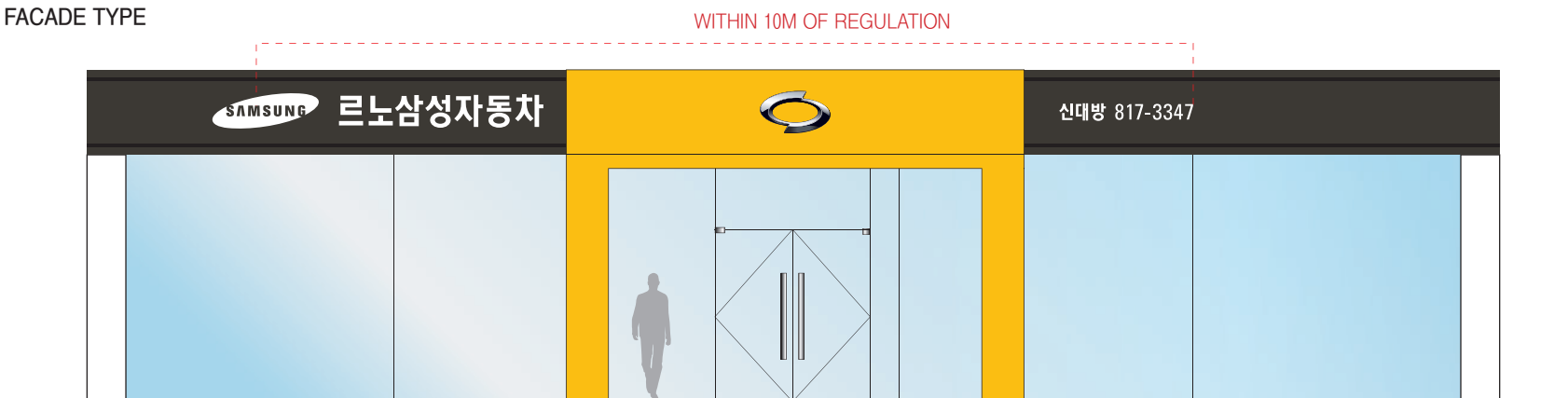


W:2,000 DOOR



SIGN

FACADE TYPE



PANEL TYPE-A



BAR TYPE



PANEL TYPE-B



COLUMN TYPE



PANEL TYPE-C



SIGN

PANEL TYPE A



SIGN

PANEL TYPE B



SIGN

PANEL TYPE C



SIGN

RATIOS OF PANELS



SIGN

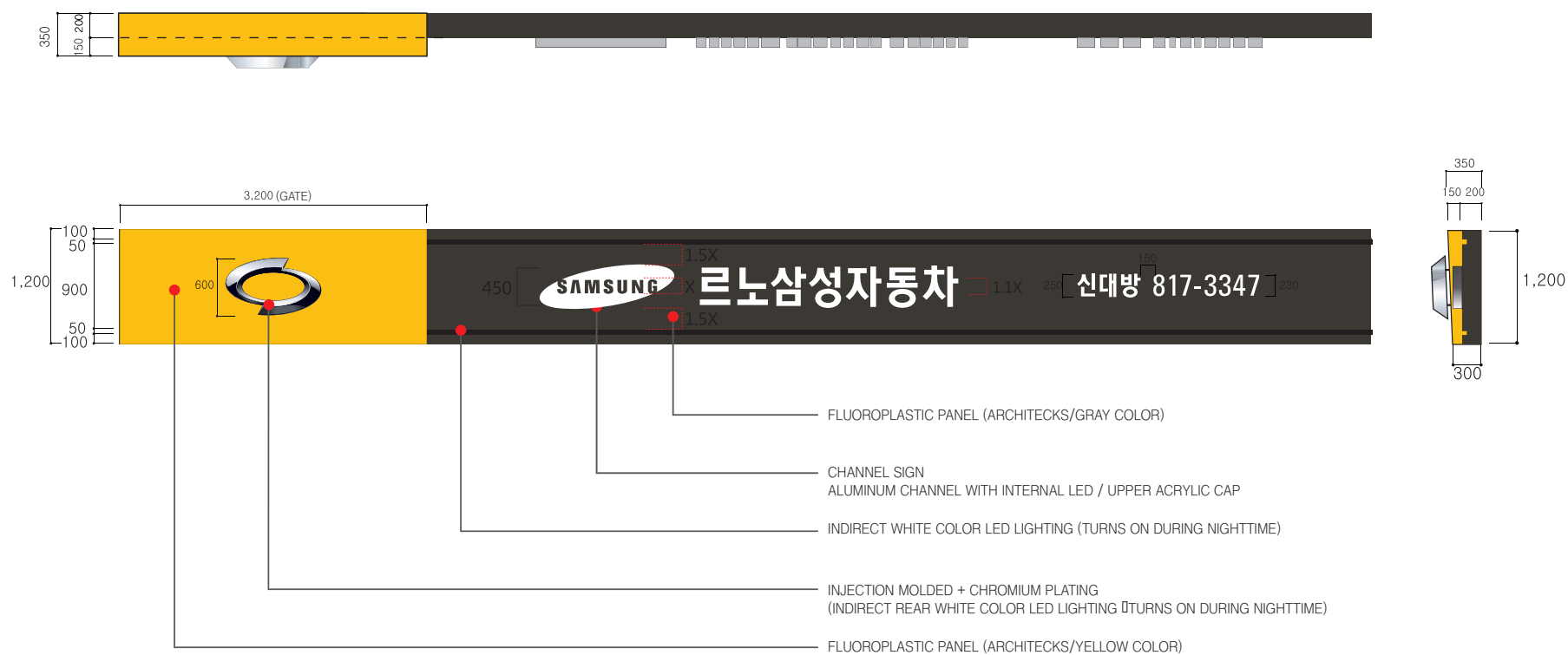
BAR TYPE + CHANNEL TYPE 3-DIMENSIONAL SIGN

Regulation: 10m x 0.45m



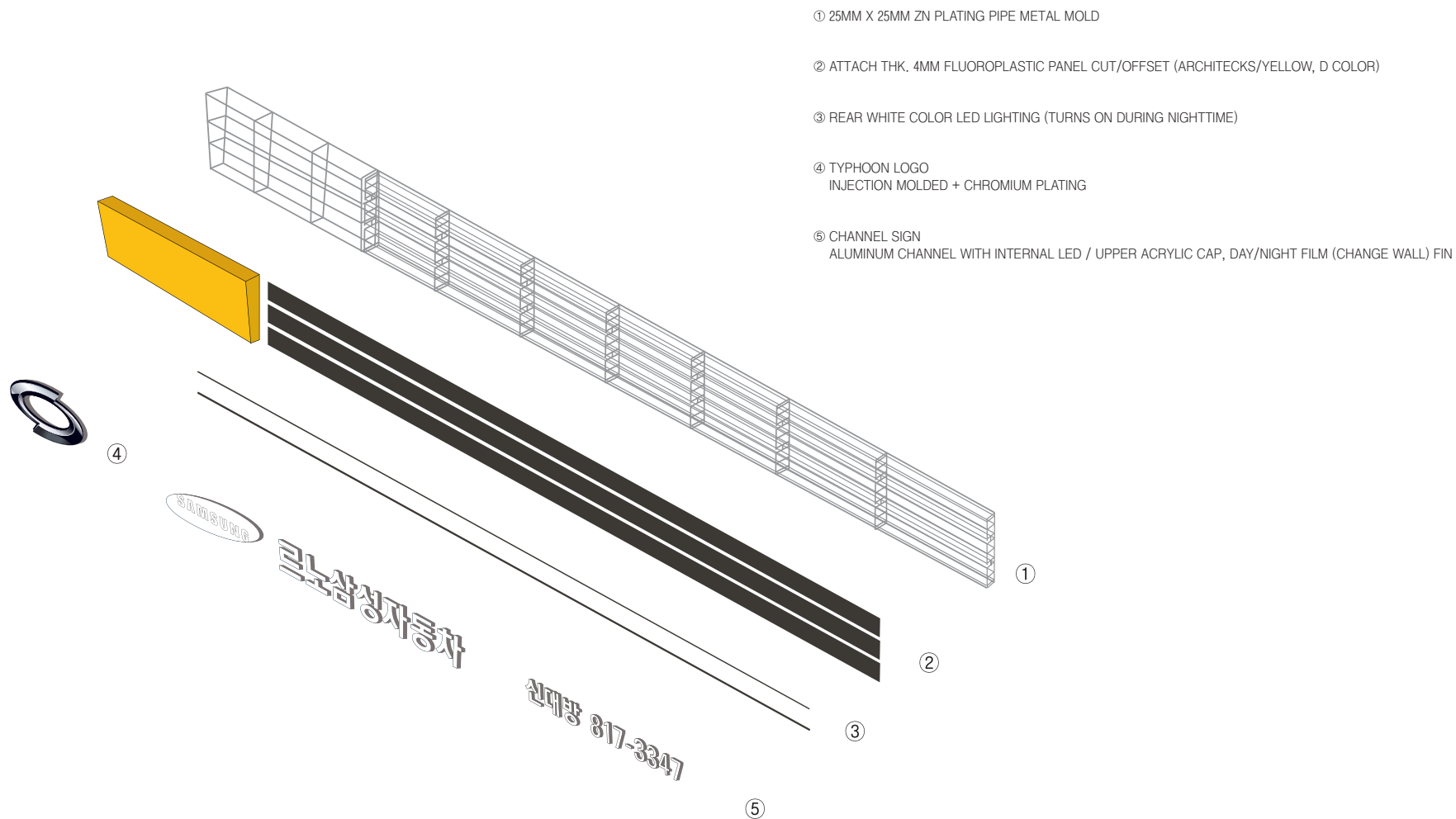
SIGN

FRONT SIGN - GENERAL VIEW



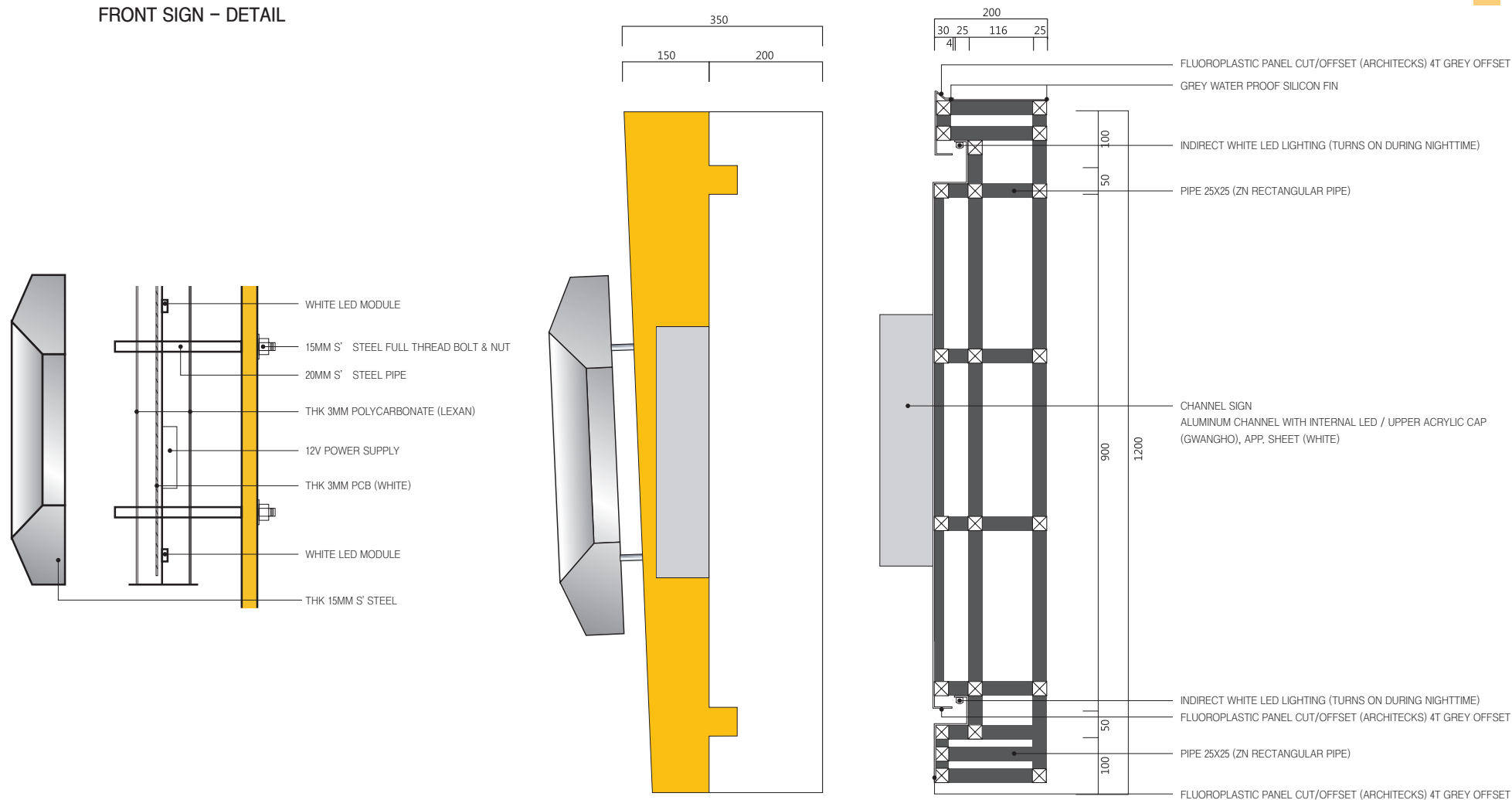
SIGN

FRONT SIGN - EXPLODED VIEW



SIGN

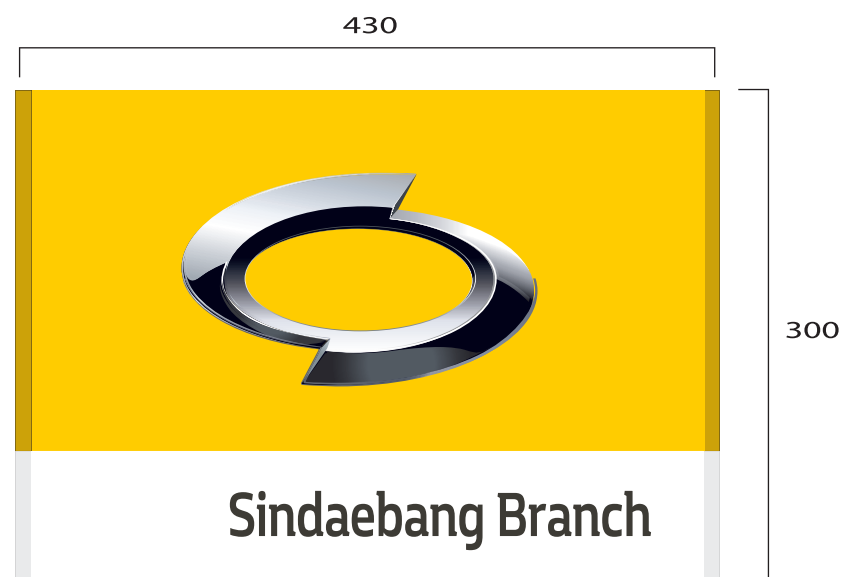
FRONT SIGN - DETAIL



SIGN

OFFICE SIGN

Displays the name of the branch – Installed in exhibition hall or office entrance



SIGN**TOILET SIGN**

3T Acrylic Dimensional Signs (GRAY)



Women



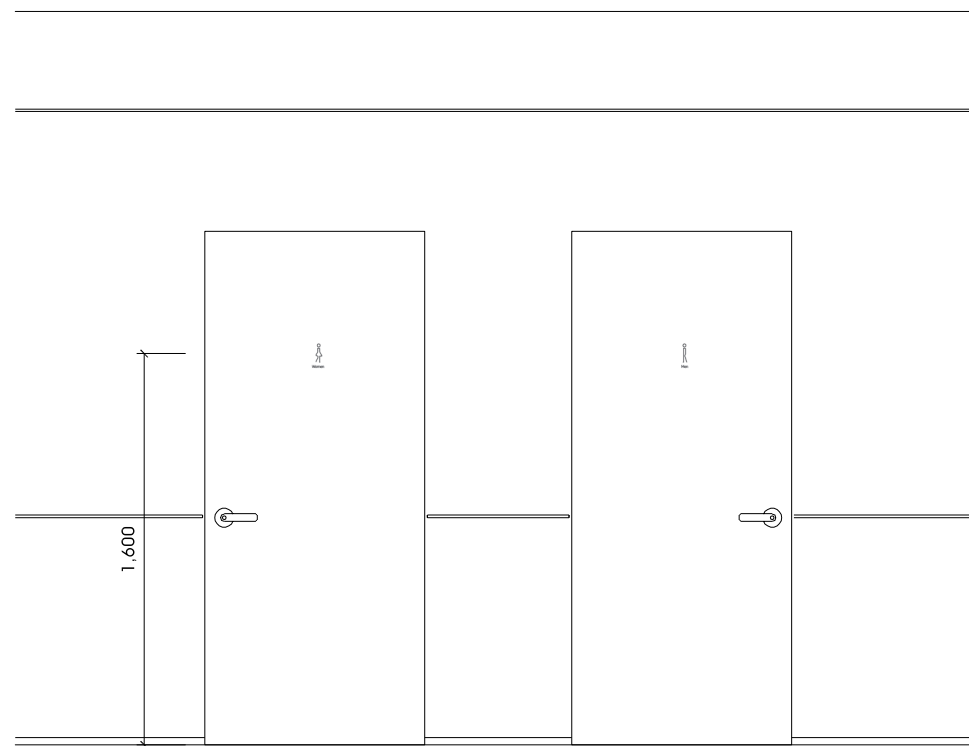
Men



Restroom



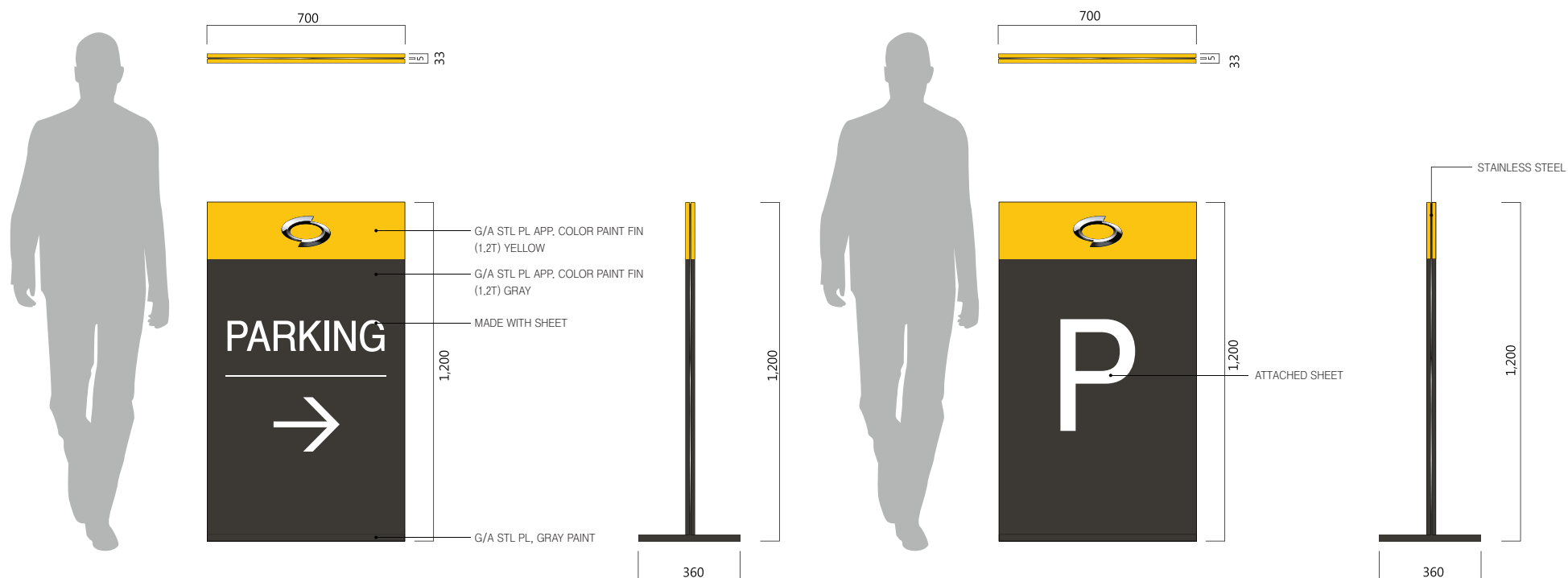
Restroom



SIGN

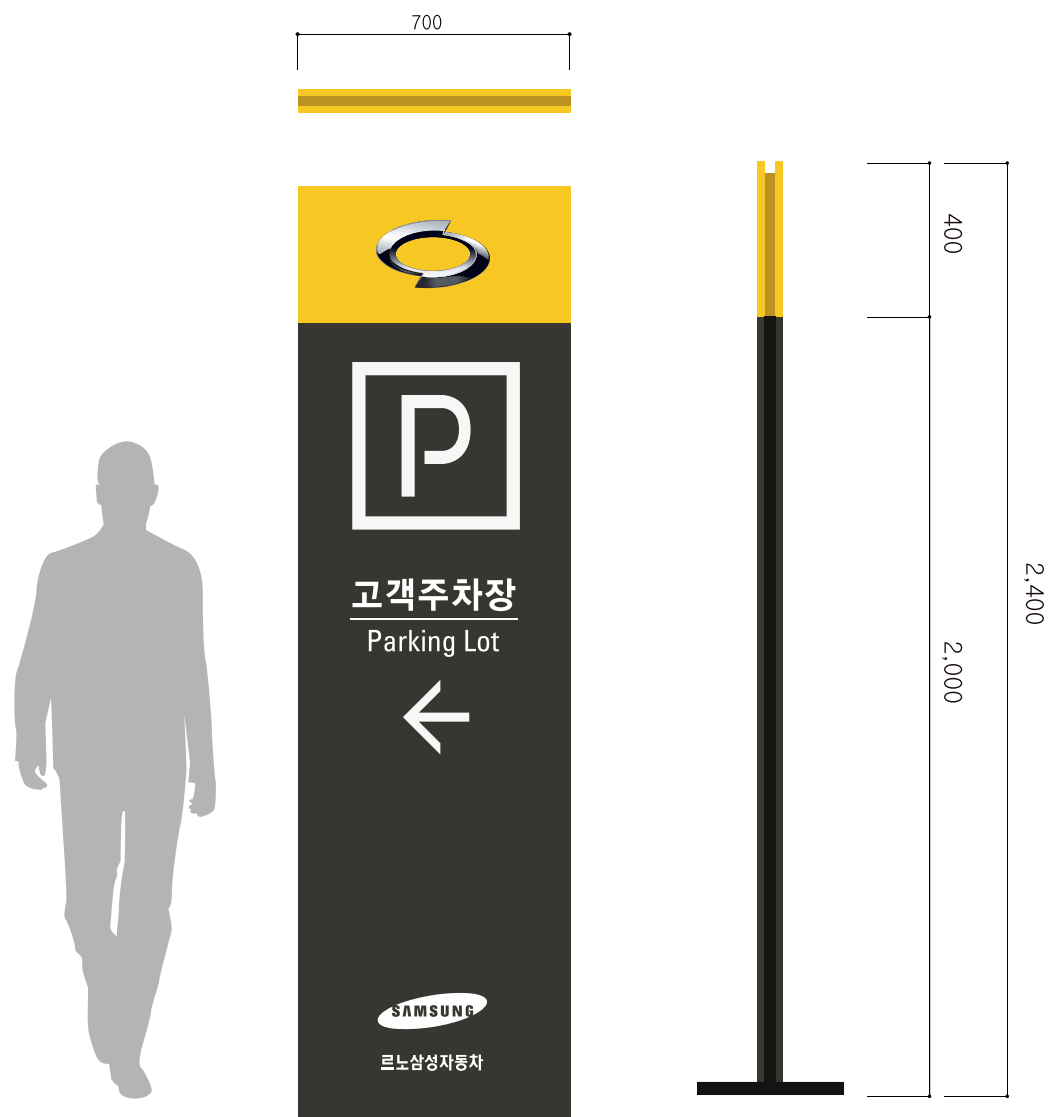
PARKING_FRONT

PARKING_BACK



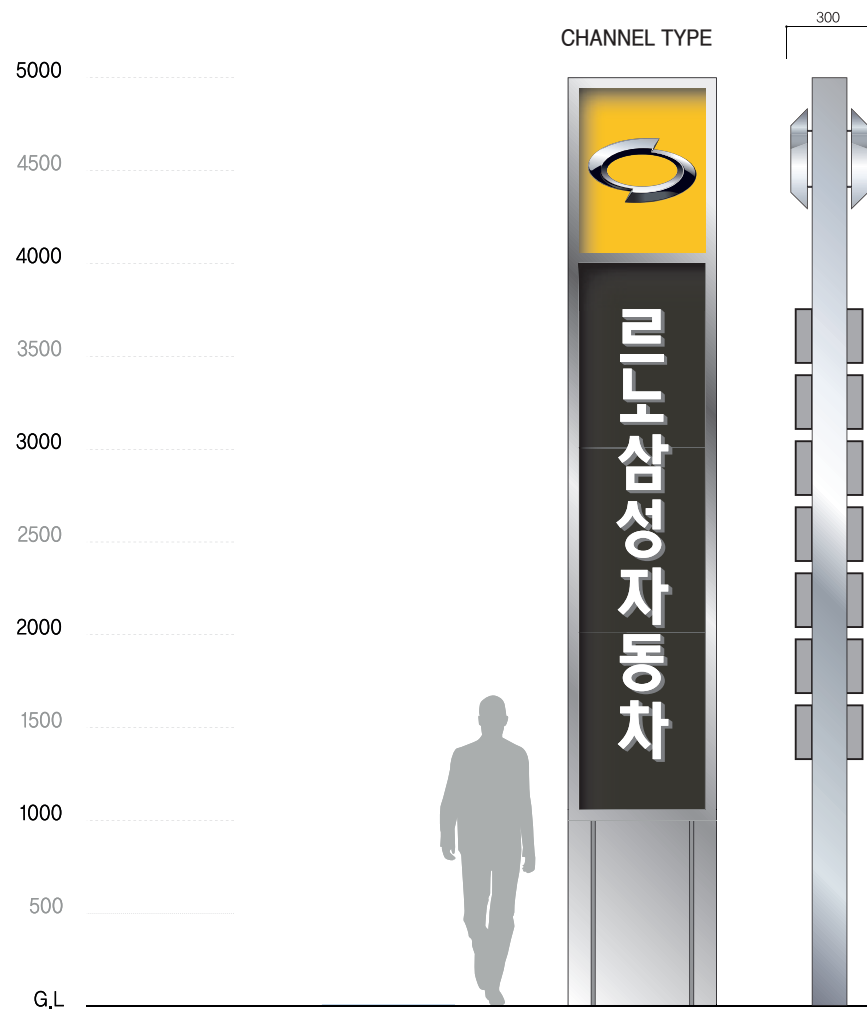
SIGN

PARKING (STANDING)

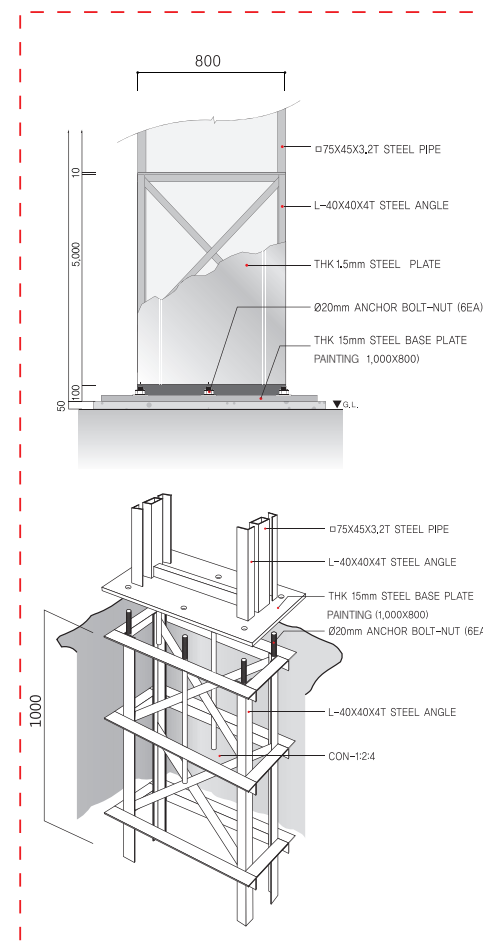


SIGN

STANDING (W : 800)



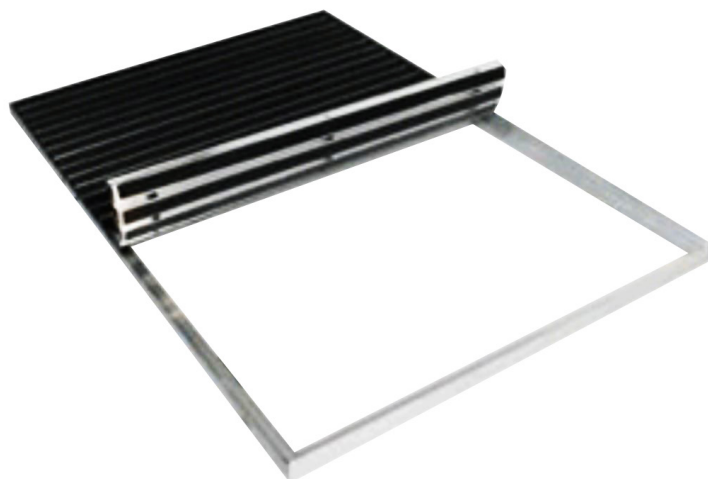
DETAIL



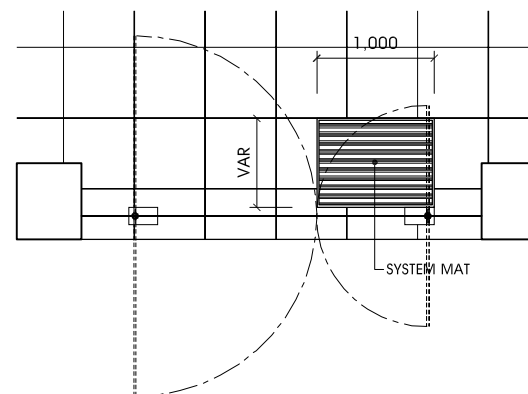
SYSTEM MAT

KEEPS THE EXHIBITION FLOOR CLEAN

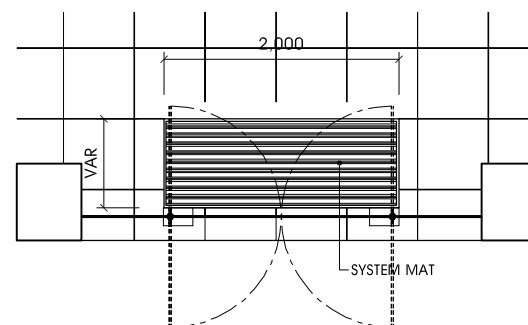
System Mat allows visitors to clean their shoes before entering.
(Same width as the entrance/exit)



(W) 2,600mm DOOR



(W) 2,000mm DOOR



STAFF BOARD

STAFF BOARD

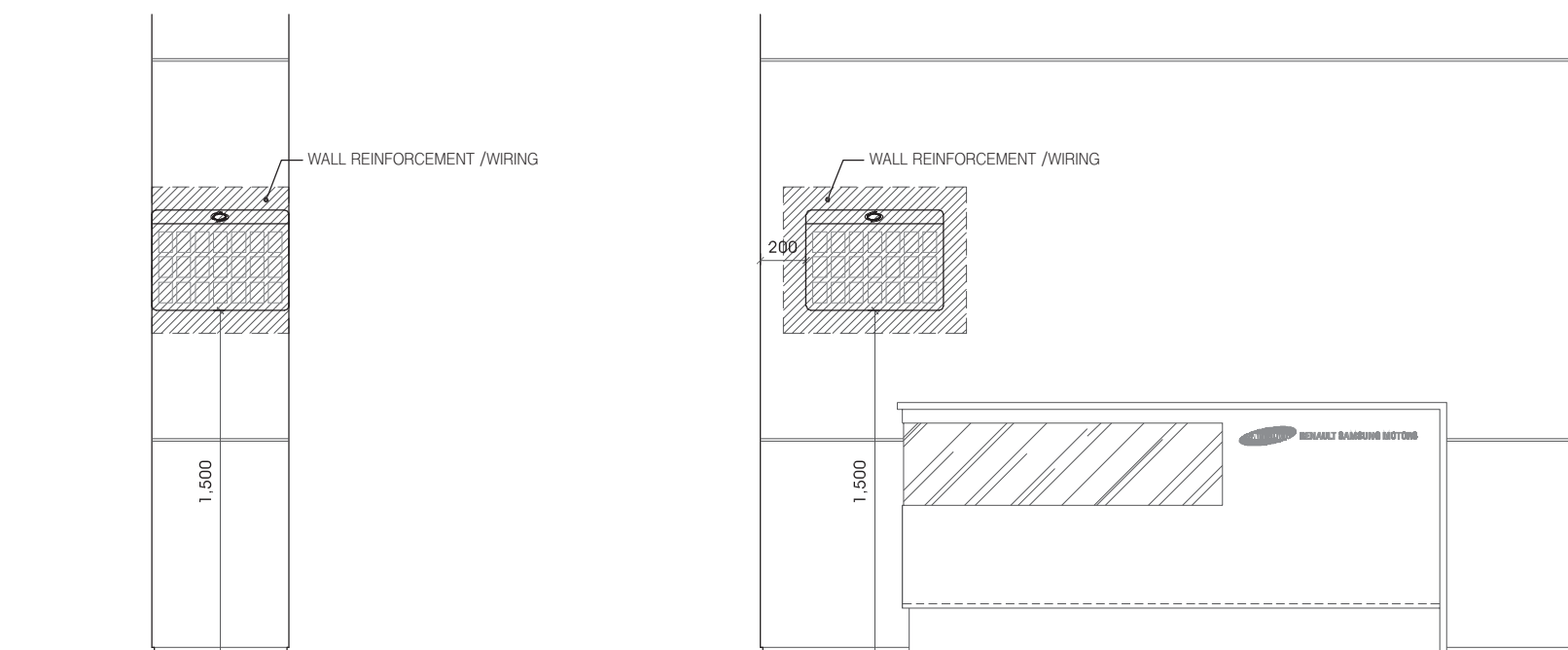
Installed on columns near the entrance/exit, or on the back wall of Welcome Desk.

(Discuss the details with Renault Samsung's SI department before proceeding)



LOCATION_1

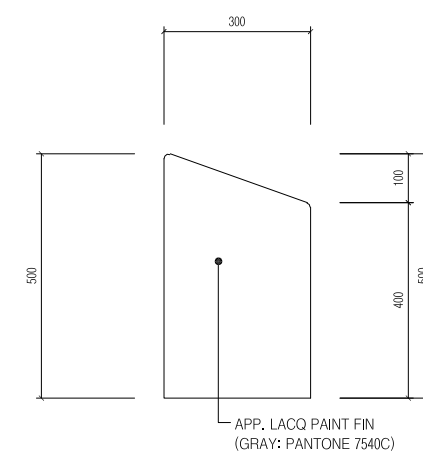
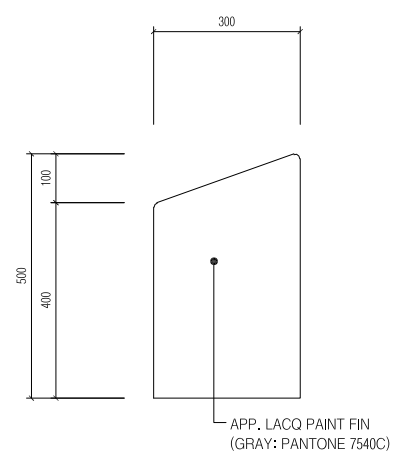
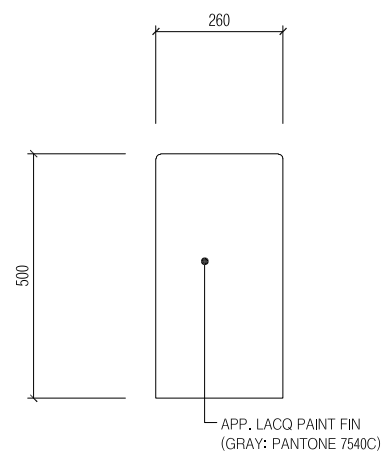
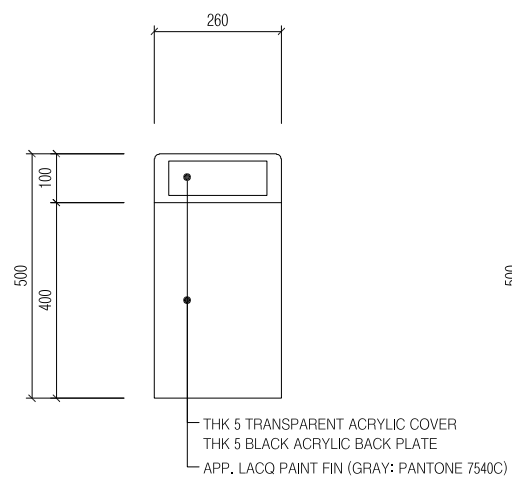
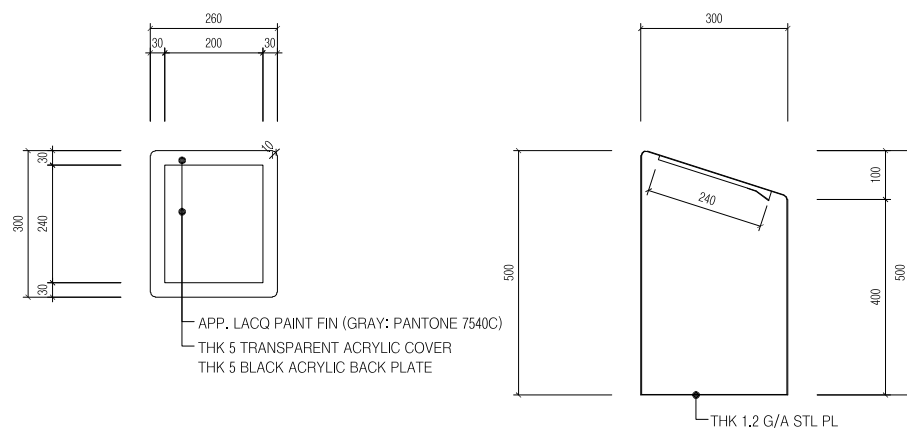
LOCATION_2



ETC

INFORMATION DISPLAY

1 Information Display is installed per vehicle. If exhibited vehicles are changed, new films are printed and swapped out.



4. MATERIAL

WALL

FLOOR / CEILING

EXTERIOR

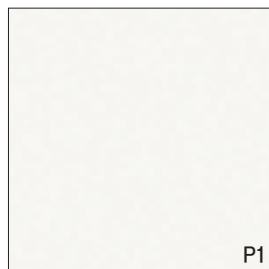
FURNITURE

FURNITURE(MANUFACTURE)

LIGHT / ELECTRIC SUBSIDIARY MATERIALS

ETC

TOILET

WALL**1. WALL**

PAINT (LACQ)
WHITE / COATED 20%



PAINT (LACQ)
PANTONE 116C / COATED 20%



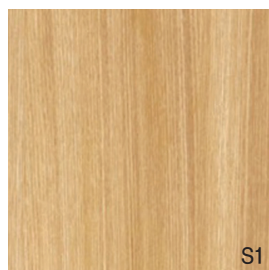
PAINT (LACQ)
PANTONE 7540C / COATED 20%



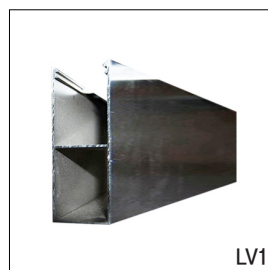
PAINT (LACQ)
BLACK / UNCOATED

2. BASE BOARD

PAINT (LACQ)
PANTONE 7540C / COATED 20%

3. LOUVER

WOOD SHEET
OAK : Z:IN DW159



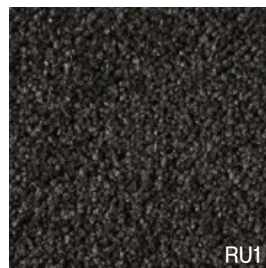
ALUMINUM FRAME
50×100

FLOOR

1. FLOOR



PORCELAIN TILE
RSM-NERO (600×600)



CARPET
SWAN FC207

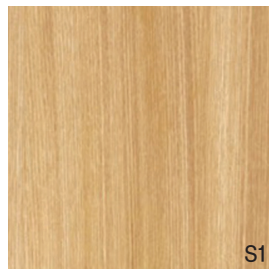
CEILING

1. CEILING

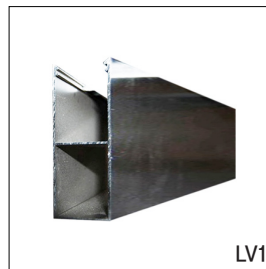


PAINT (LACQ)
BLACK / UNCOATED

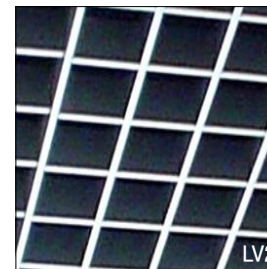
2. LOUVER



WOOD SHEET
OAK : Z:IN DW159



ALUMINUM FRAME
50×100



ALUMINUM FRAME
100×100 / Black

EXTERIOR

1. FACADE



PAINT (URETHANE)
PANTONE 116C / COATED 20%



PAINT (URETHANE)
PANTONE 7540C / COATED 20%

2. GLASS



TEMPERED GLASS
12mm

FURNITURE

1. MULTIMEDIA ZONE



TB1

TABLE
Wood+White



CH1

SOFA
Steel+Fabric (W)780 x (D)780 x (H)700



RU1

RUG
SWAN FC207 (Ø3,200)



TB2

TABLE
Steel + White



CH3

SOFA
Steel + Pu (W)600 x (D)700 x (H)715

2. CLOSED OFFICE ZONE



CH2

CHAIR
Steel + Pu (W)600 x (D)580 x (H)910



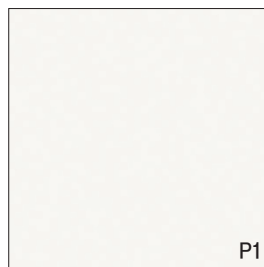
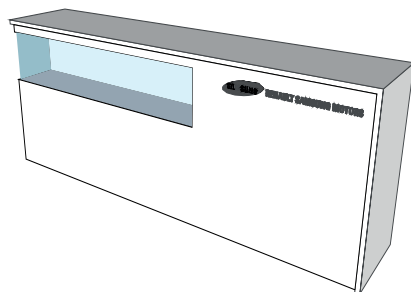
CV1

CANVAS
Frame (W)2,400 x (H)1,200

FURNITURE (MANUFACTURE)

1. INFORMATION

MDF + SCAGLIOLA (W)2,400 x (D)600 x (H)1,100



PAINT (LACQ')
WHITE / COATED 20%



SCAGLIOLA
WHITE



LED MODULE BAR (COVER)
6,500K



PAINT (LACQ')
PANTONE 7540C / COATED 20%

FURNITURE (MANUFACTURE)

2. COUNSELING ZONE

COUNSELLING DESK

Steel+PVC (W)1,800 x (D)900 x (H)740

SIDE TABLE

Steel+PVC (W)400 x (D)500 x (H)300



STAINLESS STEEL
HAIR LINE

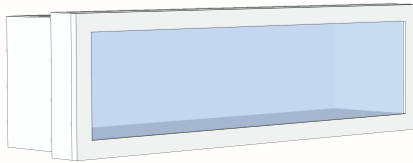


WOOD SHEET
GW-ZDE018

FURNITURE (MANUFACTURE)

3. ACCESSORY ZONE

WALL-MOUNTED
MDF (W)1,800 x (D)450 x (H)490



PAINT (LACQ)
WHITE / COATED 20%



TEMPERED GLASS
5mm



LED MODULE BAR (COVER)
6,500K

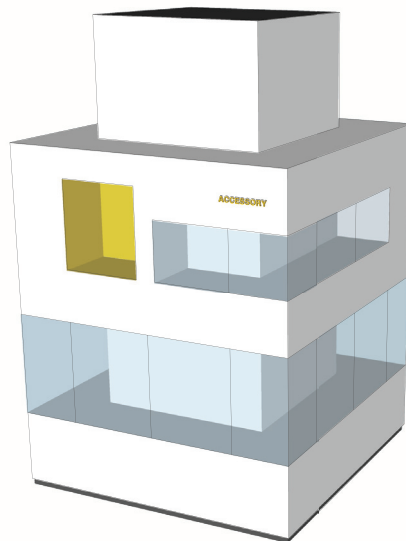


SHOCK ABSORBER
15kg

FURNITURE (MANUFACTURE)

3. ACCESSORY ZONE

COLUMN (4 SIDED)
MDF (W)1,500 x (D)1,500 x (H)1,800



PAINT (LACQ)
WHITE / COATED 20%



PAINT (LACQ)
PANTONE 116C / COATED 20%



PAINT (LACQ)
PANTONE 7540C / COATED 20%



SHOCK ABSORBER
15kg



LED MODULE BAR (COVER)
6,500K



TEMPERED GLASS
5mm

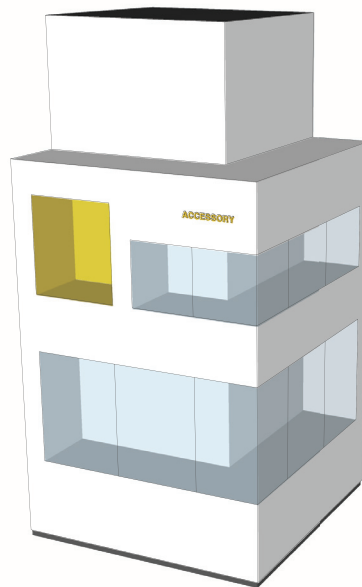


LOCKING MECHANISM
JMG 28

FURNITURE (MANUFACTURE)

3. ACCESSORY ZONE

COLUMN (2 SIDED)
MDF (W)1,200 x (D)1,200 x (H)1,800



P1

PAINT (LACQ)
WHITE / COATED 20%



P2

PAINT (LACQ)
PANTONE 116C / COATED 20%



P3

PAINT (LACQ)
PANTONE 7540C / COATED 20%



R1

SHOCK ABSORBER
15kg



LD1

LED MODULE BAR (COVER)
6,500K



G3

TEMPERED GLASS
5mm



R2

LOCKING MECHANISM
JMG 28

FURNITURE (MANUFACTURE)

3. ACCESSORY ZONE

ISLAND (1 FLOOR)
MDF (W)1,200 x (D)600 x (H)1,200



PAINT (LACQ')
WHITE / COATED 20%



PAINT (LACQ')
PANTONE 7540C / COATED 20%



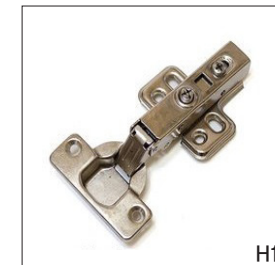
TEMPERED GLASS
8mm



LED HALOGEN
5,700K



ONE-TOUCH DOOR CATCH
FOR LENGTH ADJUSTMENT



HINGE
FOR SPEED ADJUSTMENT (DAMPER)

FURNITURE (MANUFACTURE)

3. ACCESSORY ZONE

ISLAND (2 FLOORS)
MDF (W)600 x (D)600 x (H)1,200



PAINT (LACQ')
WHITE / COATED 20%



PAINT (LACQ')
PANTONE 7540C / COATED 20%



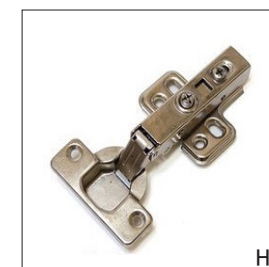
TEMPERED GLASS
8mm



LED HALOGEN
5,700K



ONE-TOUCH DOOR CATCH
FOR LENGTH ADJUSTMENT



HINGE
FOR SPEED ADJUSTMENT (DAMPER)

FURNITURE (MANUFACTURE)

4. WATER PURIFIER

WATER PURIFIER (BASE)
MDF (W)1,200 x (D)500 x (H)2,100



PAINT (LACQ')
WHITE / COATED 20%



PAINT (LACQ')
PANTONE 116C / COATED 20%



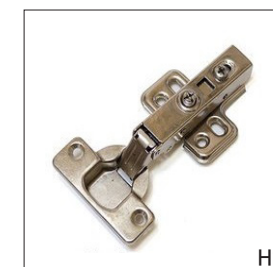
PAINT (LACQ')
PANTONE 7540C / COATED 20%



SPRING HINGE



ONE-TOUCH DOOR CATCH
FOR LENGTH ADJUSTMENT



HINGE
FOR SPEED ADJUSTMENT (DAMPER)



LED MODULE BAR (COVER)
6,500K

FURNITURE (MANUFACTURE)

4. WATER PURIFIER

WATER PURIFIER (EXPANDED)
MDF (W)1,200 x (D)500 x (H)2,100



PAINT (LACQ')
WHITE / COATED 20%



PAINT (LACQ')
PANTONE 116C / COATED 20%



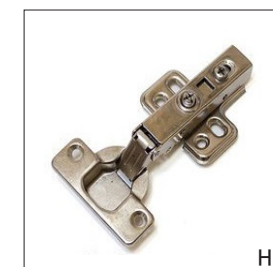
PAINT (LACQ')
PANTONE 7540C / COATED 20%



SPRING HINGE



ONE-TOUCH DOOR CATCH
FOR LENGTH ADJUSTMENT



HINGE
FOR SPEED ADJUSTMENT (DAMPER)



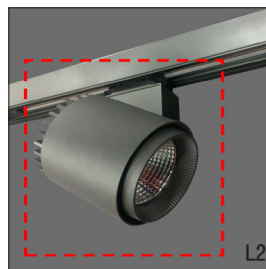
LED MODULE BAR (COVER)
6,500K

LIGHT / ELECTRIC SUBSIDIARY MATERIALS

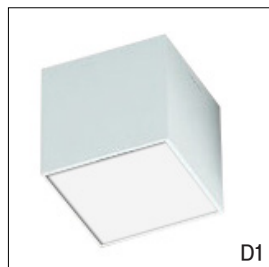
1. LIGHT



LINNO
LED MR-16 5.6W (5700K)



OSRAM cob 3000lm
(4000K)



LED MR-16 5.6W (5700K)
W100 * D100 * H100



LED MR-16 5.6W (5700K)
W100 * D100 * H100



LED SLIM RECTANGLE 50W
W70 * L1150 (5700K)



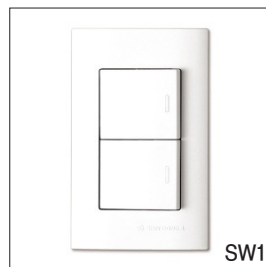
LED RECTANGLE ROTATING
DOWN LIGHT 10.5W
Ø90 (2800K)

LIGHT / ELECTRIC SUBSIDIARY MATERIALS

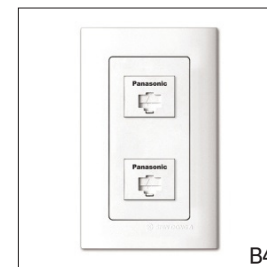
2. ELECTRIC SUBSIDIARY MATERIALS



PANASONIC S-DONGA
RECTANGLE FLAT RAINPROOF
ELECTRICAL OUTLET X2



PANASONIC S-DONGA
LAON SINGLE SWITCH X2



PANASONIC S-DONGA
MODULAR JACK 8P X2



PANASONIC S-DONGA
FLATIMA 30 ° ELECTRICAL OUTLET X2



PANASONIC S-DONGA
FLATIMA SINGLE LAMP SWITCH X2



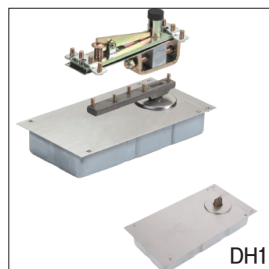
FLOOR ELECTRICAL OUTLET
BY-003, 220V



SYSTEM BOX

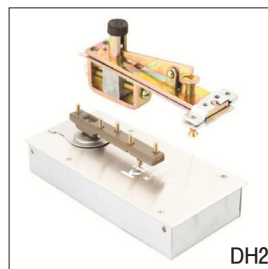
ETC

1. ETC



DH1

KING FLOOR HINGE
K8500_1000MM FOR DOORS



DH2

KING FLOOR HINGE
K9500_1600MM FOR DOORS



DP1

PATCH LOCK
HYUNDAI BEST METAL _HBM-106



DP2

TOP PATCH
HYUNDAI BEST METAL_HBM-108



DP3

BOTTOM PATCH
HYUNDAI BEST METAL_HBM-105



DS1

DOOR STOP
JAEIL METAL _JMT335C



DG1

TEMPERED DOOR HANDLE
JAEIL METAL _DY-124



DG2

DOOR HANDLE
JAEIL METAL_JME2004



SPRING HINGE

TOILET

1. FLOOR / WALL

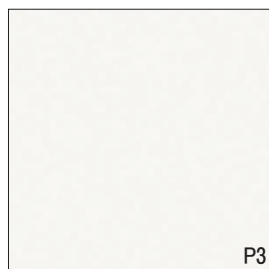


PORCELAIN TILE-FLOOR
3204 (200×200)



PORCELAIN TILE-WALL
VITORIO-GRIS (600×300)

2. CEILING

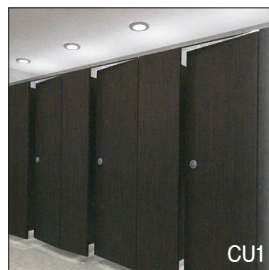


PAINT OVER GYPSUM (WATER-BASE)
WHITE / UNCOATED



OSRAM LED LIGHTING
COMFO ACE 619 19W (6500K)

3. CUBICLE



CUBICLE DIVIDER
JC-104



TEMPERED GLASS DIVIDER
JCU-080

TOILET

4. SANITARY WARE



KELIM TOILET
C-1040[2]



KELIM URINAL-1
U-303



KELIM URINAL-2
U-37(F)



KELIM DRAIN
S-124(MN)(F)



KELIM SINK
L-940



KELIM FAUCET
KLW-290C



KELIM SOAP HOLDER
KAC-65



KELIM TOILET PAPER HOLDER
KAC-31

TOILET

5. BASIN CLOSET

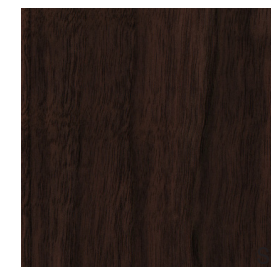
SINK (BASIN CLOSET)
MDF (W)VAR x (D)600 x (H)650



SCAGLIOLA
WHITE



STAINLESS STEEL
HAIR LINE



WOOD SHEET
SAME WITH CUBICLE



HINGE
FOR SPEED ADJUSTMENT (DAMPER)