



Irregular Type Installation Manual

LED Display

IWA / IFA Series

IWA (LH0**IWA*W*)
IFA (LH0**IFA*VS)

Revision History

Version	Date (Y/M/D)	Description
1.0	2021/09/13	New Release
2.0	2023/01/26	Add Square hole for Power Cord on the Curved Vertical frame (VAV2023001F)
2.1	2023/08/28	Change curvature specification

LED Display

1) Curved Frame

1. Frame kit Configuration
2. Frame and Cabinet Installation

2) Outer L-TYPE Frame

1. Frame kit Configuration
2. Frame and Cabinet Installation

3) Inner L-TYPE Frame

1. Frame kit Configuration
2. Frame and Cabinet Installation

4) Appendix

1) Curved Frame

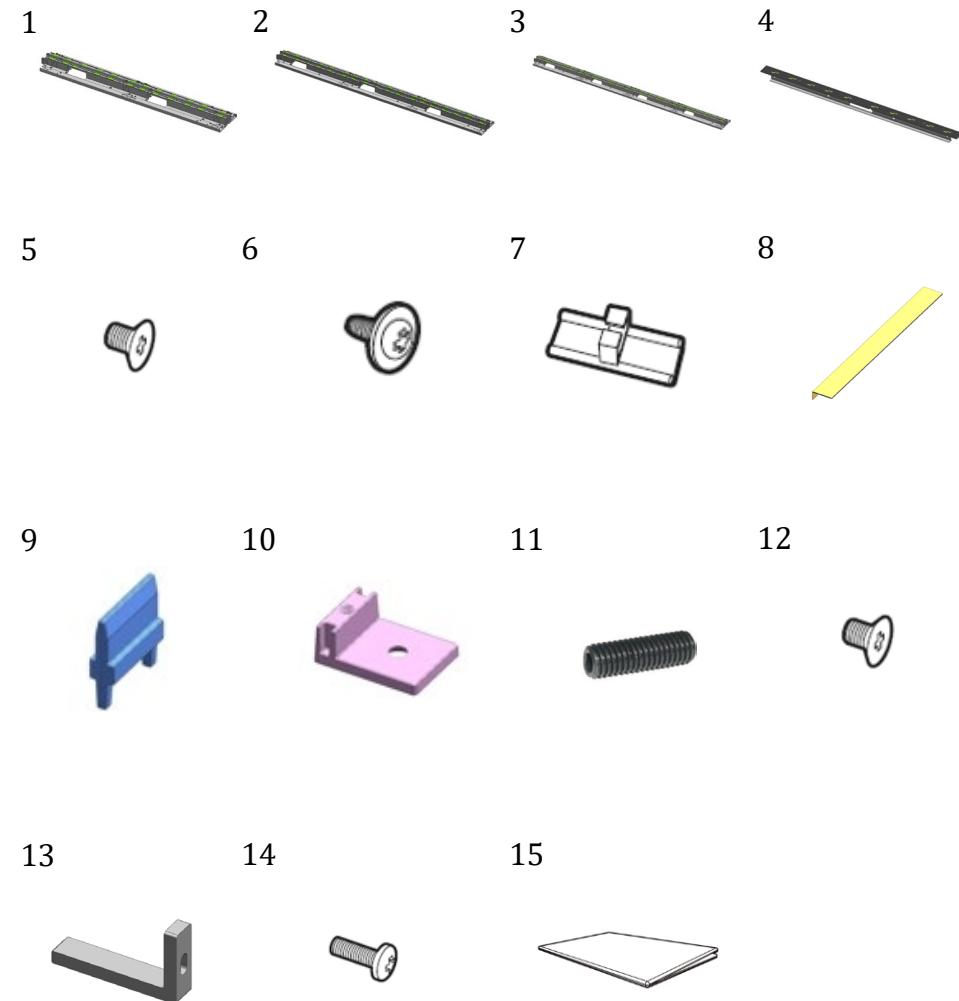
- * The curvature specification of IWA is up to 23,000R ($\pm 2^\circ$)
- * Curved Frame cannot be assembled with Flat frame
- ※ Flat Frame can make some angle with L-Type Frame.

1. Frame kit Configuration (CURVED)

Curved Frame kit Configuration (CURVED)

Curved Frame kit Configuration

No	Item	Curved Frame (4 X 2) VG-LFAC2SCW	Curved Frame (4 X 3) VG-LFAC3SCW	Curved Frame (4 X 4) VG-LFAC4SCW
1	ASSY FRAME-VERTICAL (Level 2)	4	-	-
2	ASSY FRAME-VERTICAL (Level 3)	-	4	-
3	ASSY FRAME-VERTICAL (Level 4)	-	-	4
4	ASSY HOLDER-MAGNET HORIZONTAL	7	11	15
5	SCREW-MACHINE (FH, M4, L6)	20	20	20
6	SCREW-MACHINE (PWH, M4, L8)	10	14	18
7	HOLDER-CABLE	10	10	10
8	SIDE SHEET(PET, 0.1T)	40	50	70
9	BRACKET-SUPPORT	10	10	10
10	BRACKET-SUPPORT SUB	10	10	10
11	HEADLESS BOLT (HEX 2.0, M4, L5)	10	10	10
12	SCREW-MACHINE (FH, M4, L8)	10	10	10
13	BRACKET-REAR SUPPORT	10	20	30
14	SCREW-MACHINE (BH, M4, L10)	15	30	40
15	MANUAL	1	1	1



Curved Jig Kit Configuration-

Product should be purchased together (CURVED)

Curved Jig KIT Configuration

No	Item	Curved Jig CY-WJAPWC
1	ASSY FRAME HORIZONTAL JIG	6
2	SCREW-MACHINE (TH, M6, L10)	40
3	L WRENCH (2mm)	2
4	(-) SCREW DRIVER (vessel 9900 2.5x75)	2
5	(-) SCREW DRIVER + GUIDE HEAD	2
6	DETACH BOLT M8*L50	10
7	THICKNESS GAUGE 50um	1

1



2



3



4



5



6



7

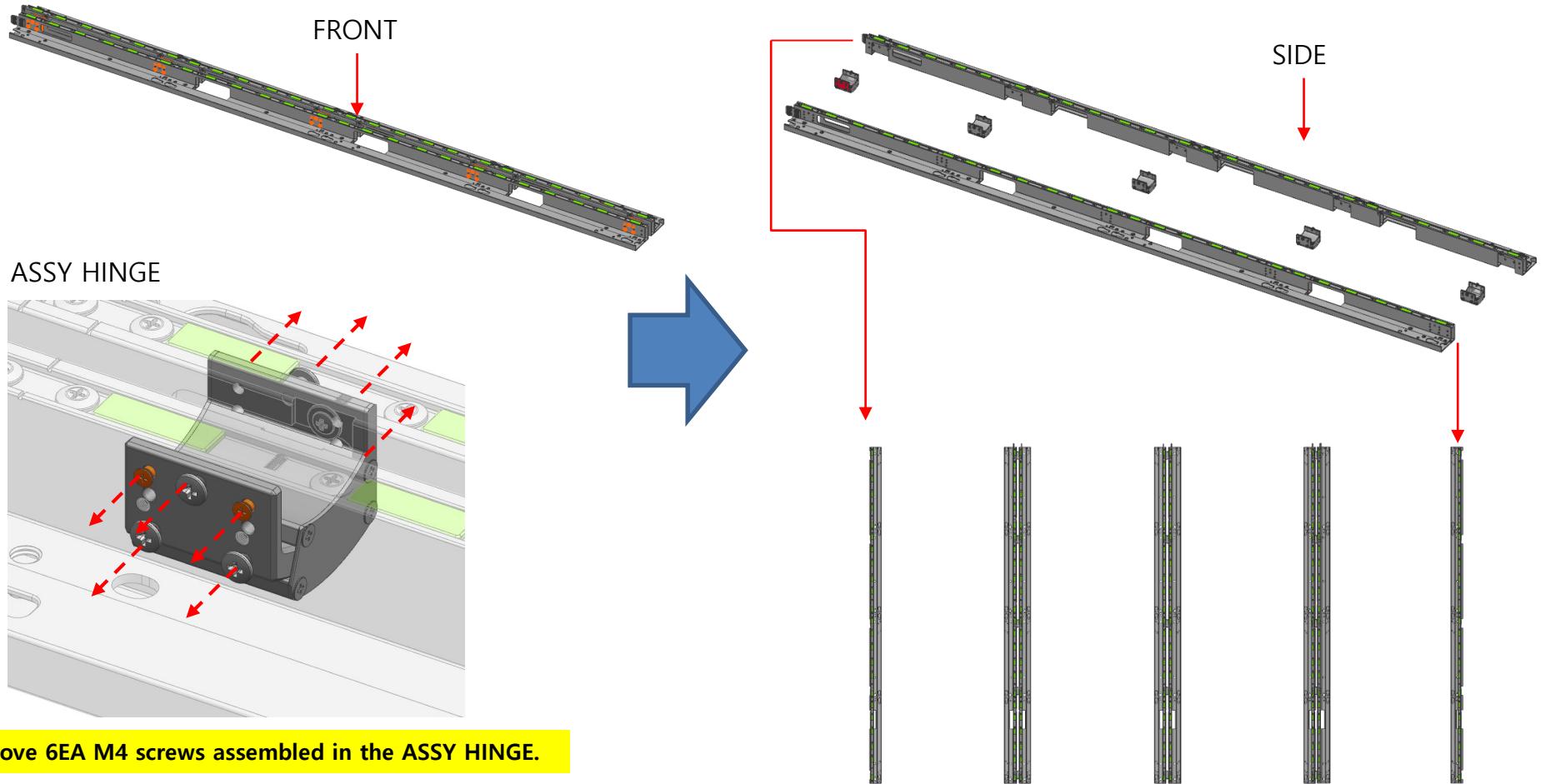


2. Frame and Cabinet Installation (CURVED)

※ Backside installation standard) 600mm work space is required on the rear of CABINET

Frame Installation (CURVED)

① After separating HINGE part from one ASSY FRAME V based on 4*4 Frame-kit and use it as both SIDEs.



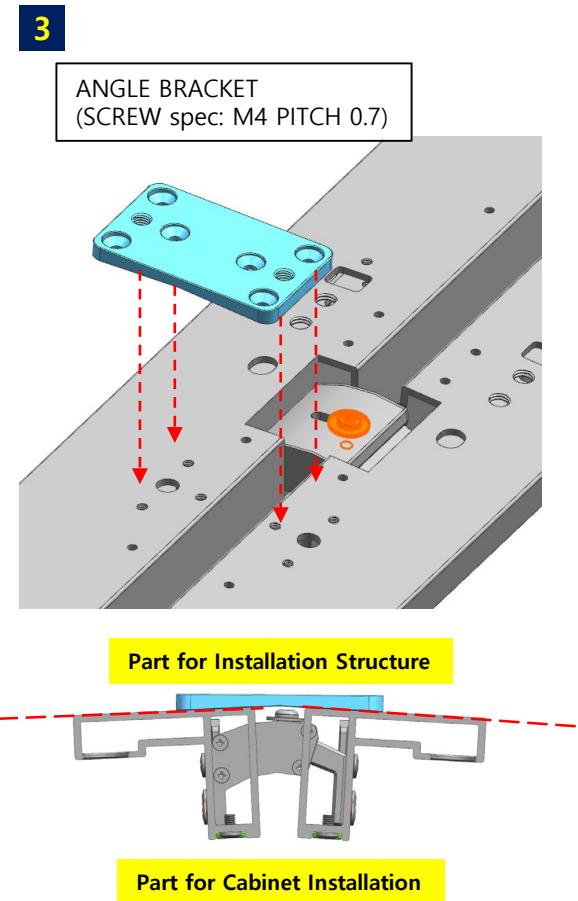
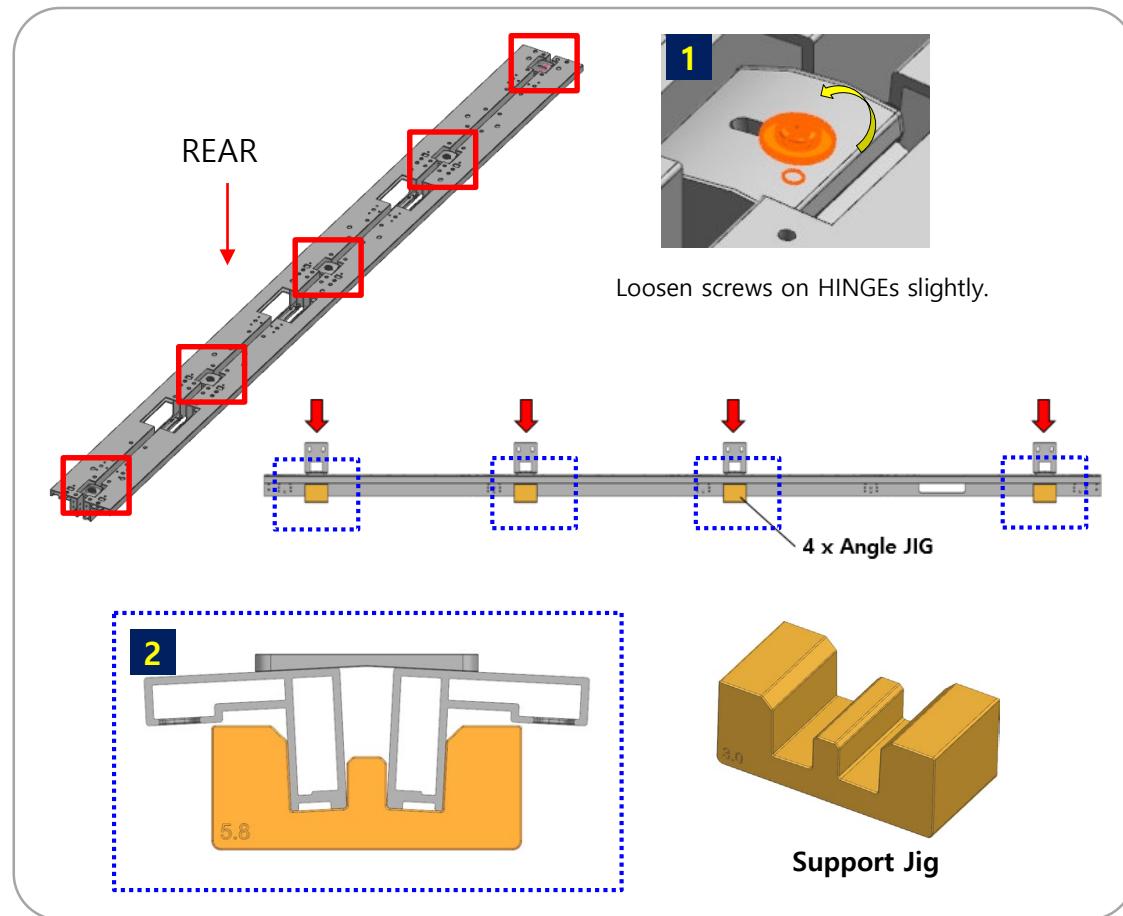
Frame Installation (CURVED)

※ The curvature specification of the IWA is up to 23,000R ($\pm 2^\circ$).
Although the curved frame kit can bend to $\pm 8^\circ$ (6,000R),
the color difference between cabinets is noticeable when it exceeds $\pm 2^\circ$.

② Loosen screws on HINGEs of other ASSY FRAME Vs slightly and assemble the ANGLE BRACKET first.

- * Use the Angle Support Jig to make precise angle Before fix the Bracket Angle with Screw.
- * Use the Angle Support Jig also in case of Curved Frame Kit Flat installation.

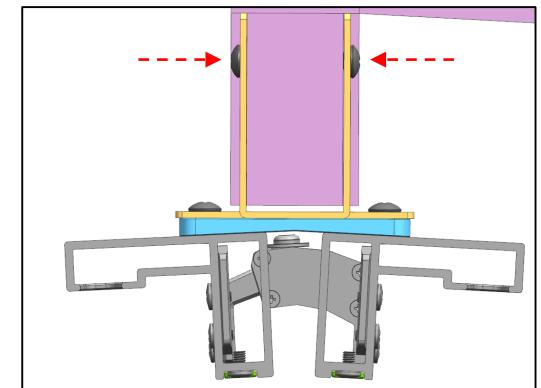
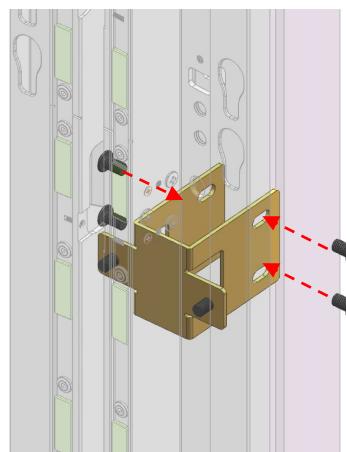
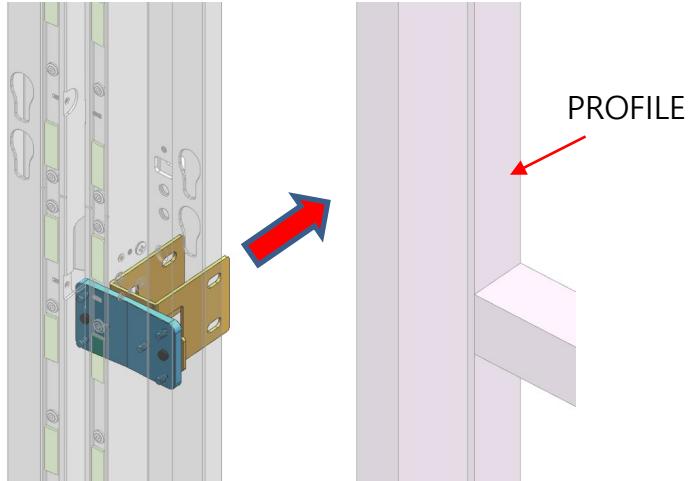
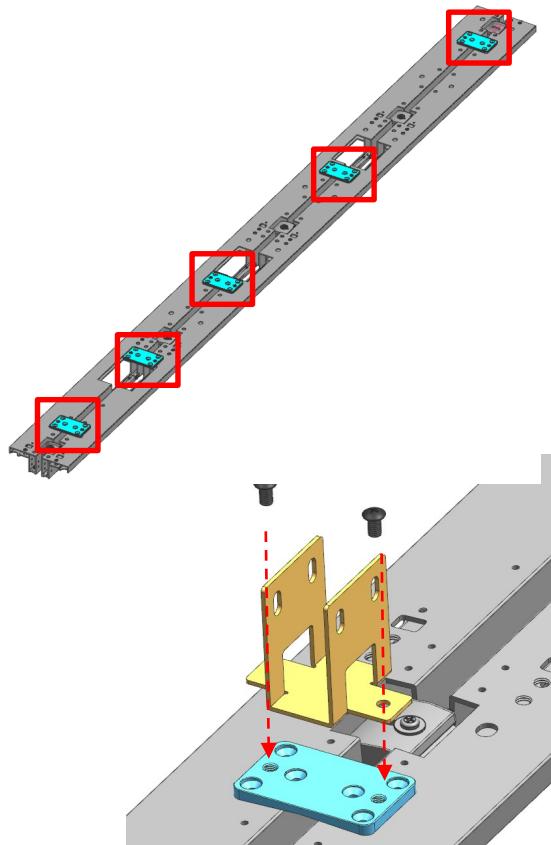
③ After assembling the ANGLE BRACKET, fix screws on HINGEs again.



Frame Installation (CURVED)

④ After assembling PROFILE BRACKET to ANGLE BRACKET, fix it to profile.

* The ANGLE BRACKET and PROFILE BRACKET are manufactured by the installer depending on the installation environment.
(The reference drawing will be provided through sales.)



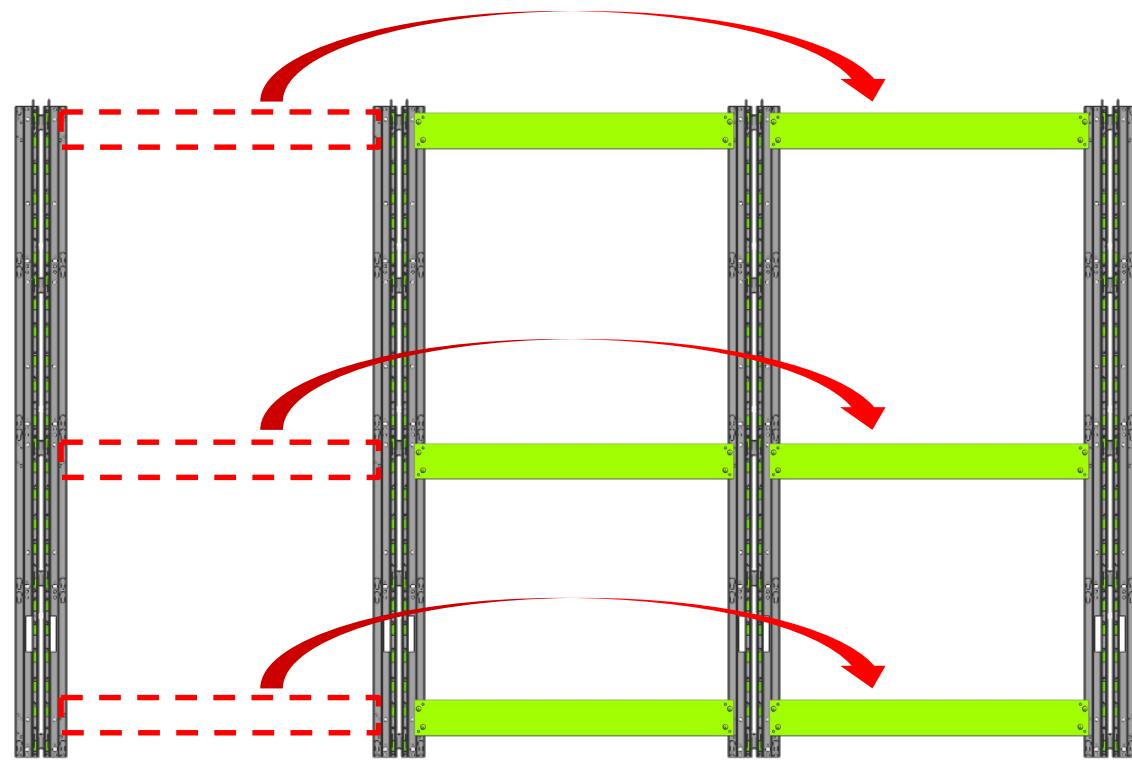
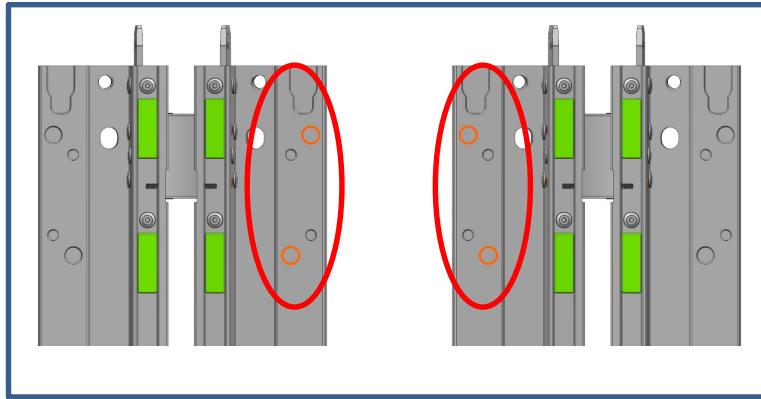
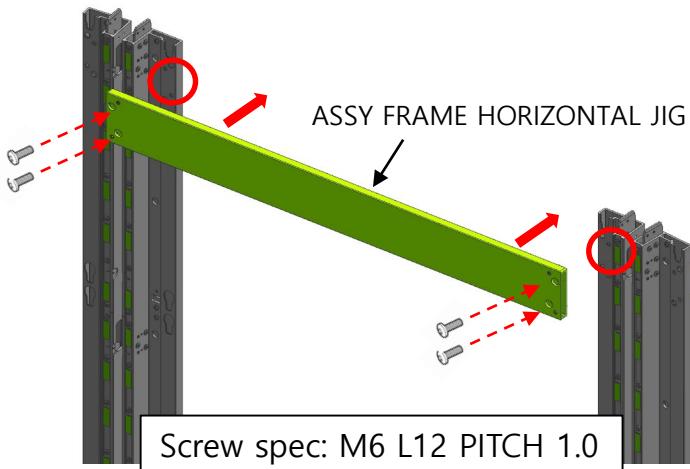
SCREW is not fully fixed when assembling ANGLE BRACKET,
Install and horizontally adjust the profile and fix it completely.

Frame Installation (CURVED)

⑤ When installing FRAME in a profile, use ASSY FRAME HORIZONTAL JIG to adjust the horizontal position.

* ASSY FRAME HORIZONTAL JIG is a part of separate product and consists of 6 units per 1SET.

* After horizontal adjustment, complete the ANGLE BRACKET and SCREW for FRAME fixing



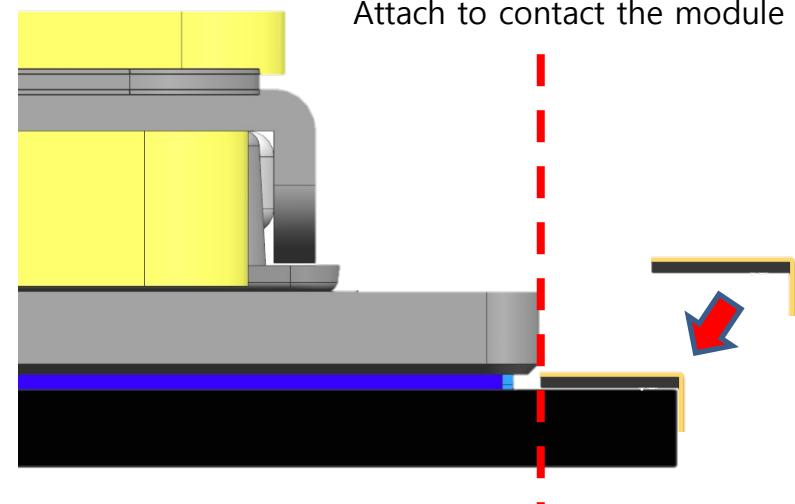
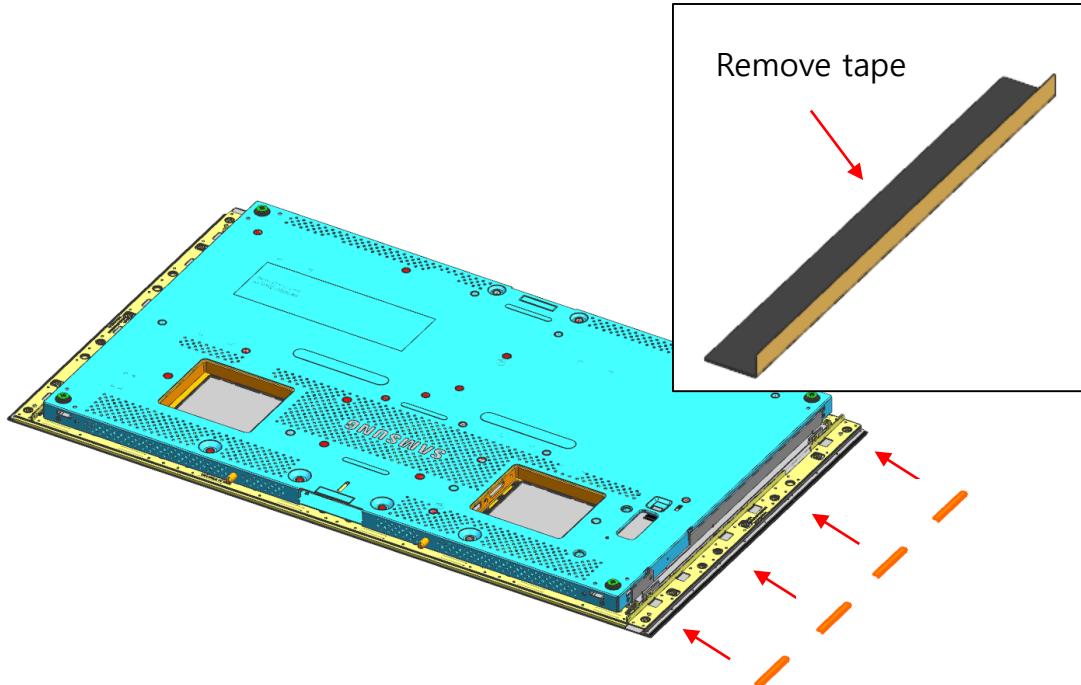
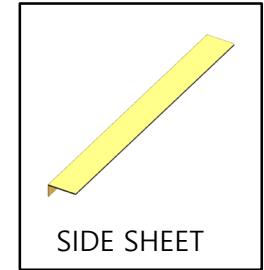
Assemble and disassemble ASSY FRAME HORIZONTAL JIG to ASSY FRAME Vs repeatedly to install ASSY FRAME Vs as shown in the figure.

Cabinet + Frame Installation (CURVED)

① Attach the SIDE SHEET to the side before installing CABINET.

* In order to prevent collision between modules, the SIDE SHEET should be installed on the right side of each CABINET.

* The attachment position is attached to the left and right end and the part where the module meets.



Cabinet + Frame Installation (CURVED)

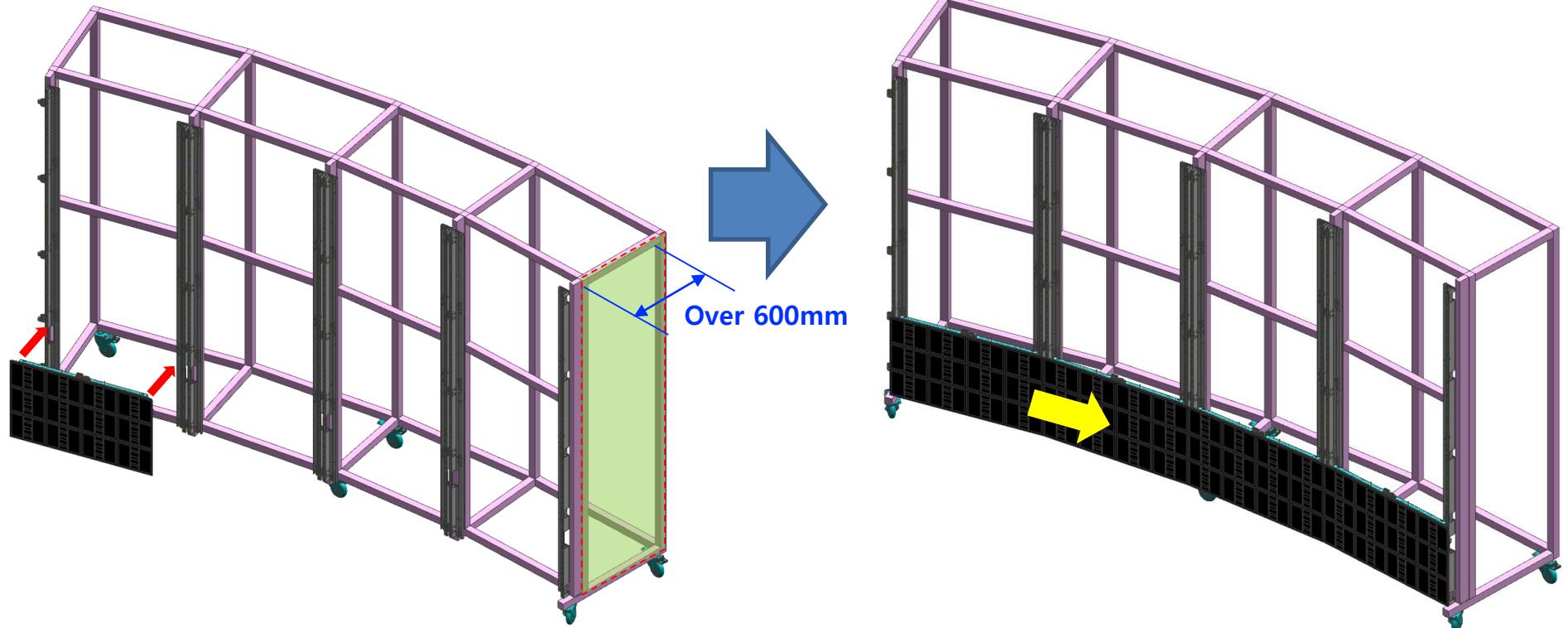
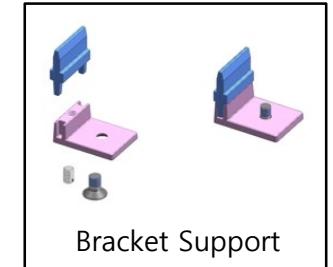
② As shown in the figure, install the first CABINET from the left on the FRAME KIT assembled in PROFILE.

* When installing the first stage, assemble the BRACKET SUPPORT like basic installation type.

(Refer to the IWA / IFA installation manual)

* The CABINET installation method is the same as the existing BASIC FRAME installation method.

* In case of curve installation, back installation is the basic specification and more than 600mm work space is required for rear operation.



Cabinet + Frame Installation (CURVED)

③ Adjust the left and right Z SEAM using the SCREW of the ASSY FRAME V while installing the first stage CABINET. (Fig.1)

* The SCREW is controlled using the JIG DRIVER (-) at the rear. (Fig.2)

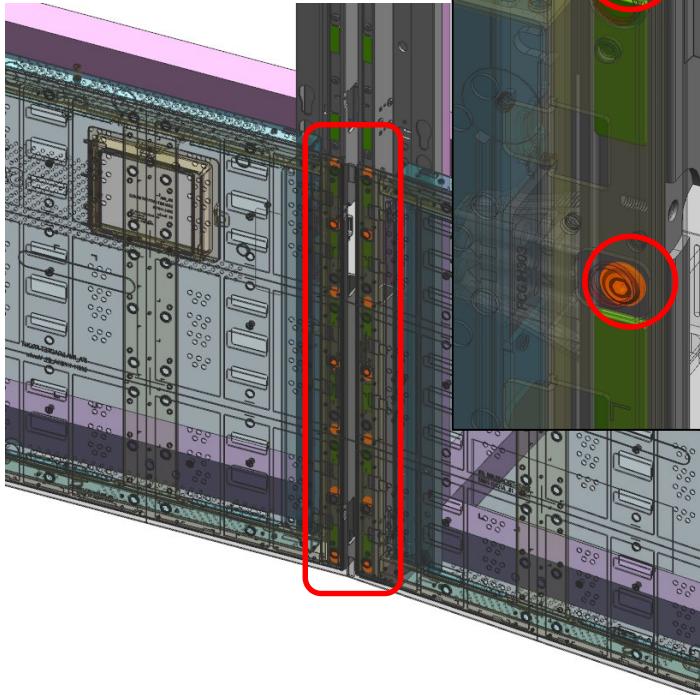


Fig.1



※ Turn clockwise and move forward.

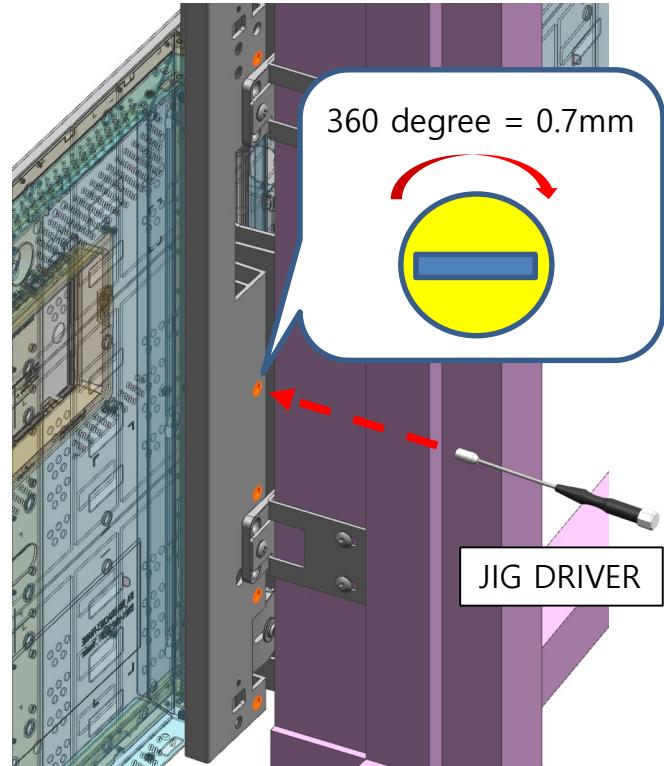


Fig.2

Cabinet + Frame Installation (CURVED)

④ After installing the first stage CABINET, assemble the HOLDER MAGNET H first before installing the second stage. (Fig.1)

* To maintain a constant gap between the upper and lower cabinets, cut the 0.05 mm filler gauge and insert it into 2 points as shown in the figure. (Fig.2)

* The filler gauge is pushed out to reach the module, and later removed from the rear.

* The 0.05mm filler gauge is in the Curved Jig Kit (CY-WJAPWC)

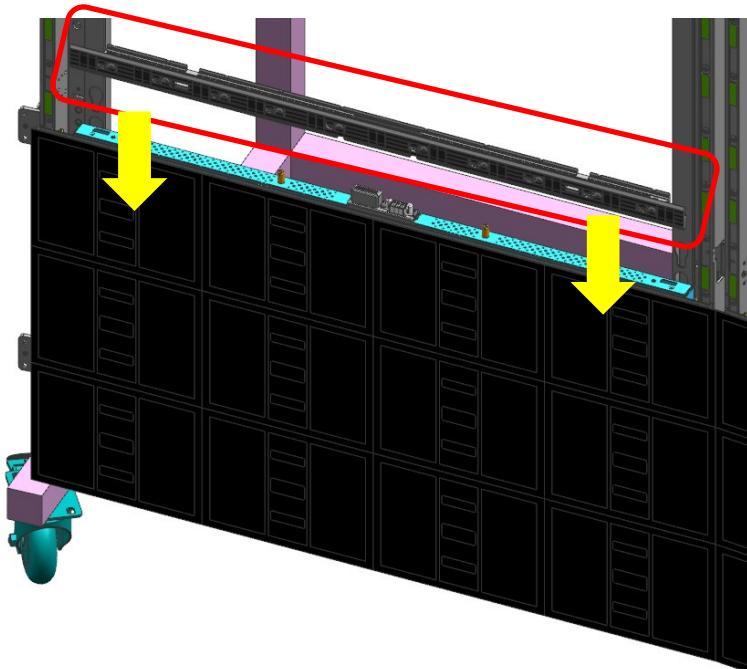


Fig.1

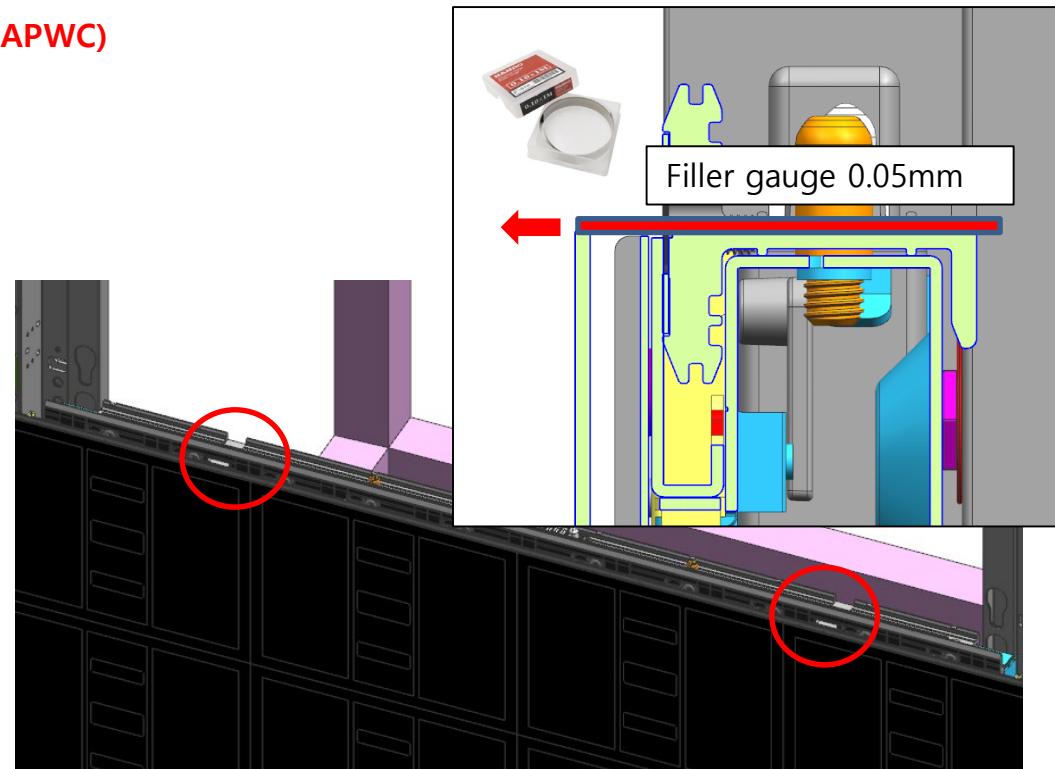


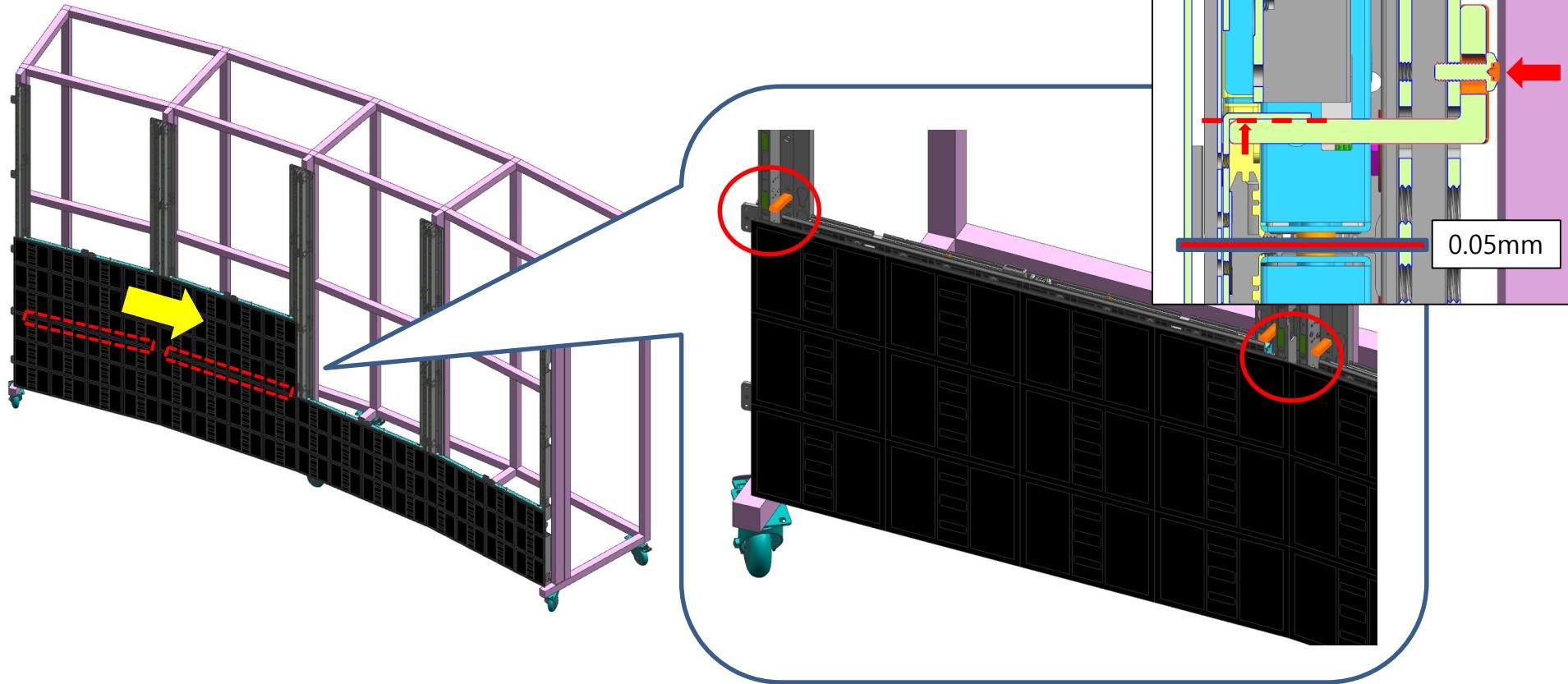
Fig.2

Cabinet + Frame Installation (CURVED)

⑤ After assembling the HOLDER MAGNET H, install the CABINET again at the second end.

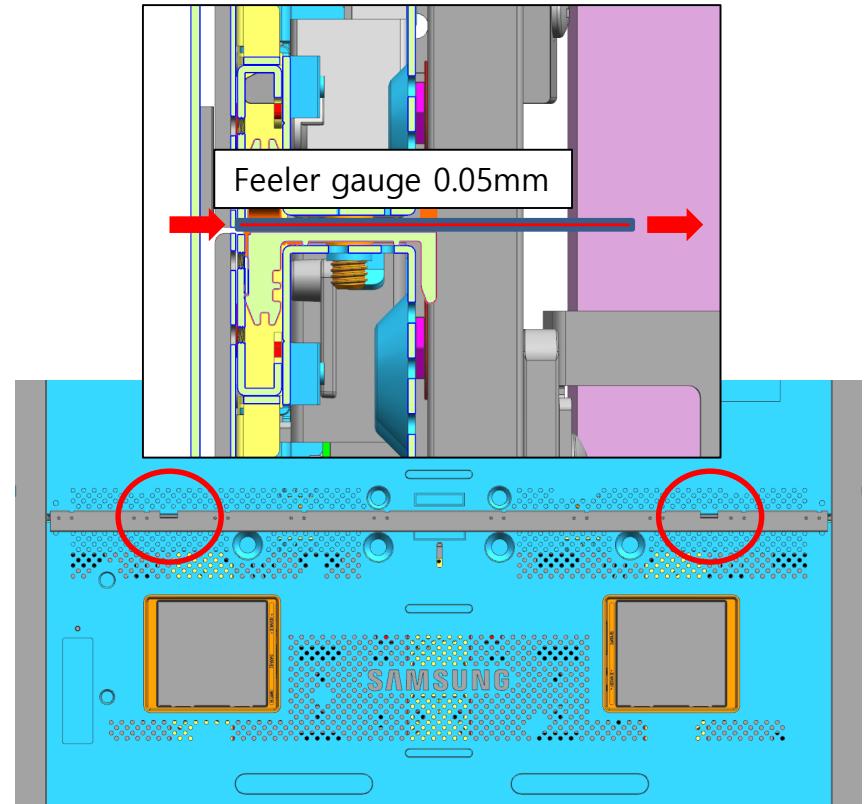
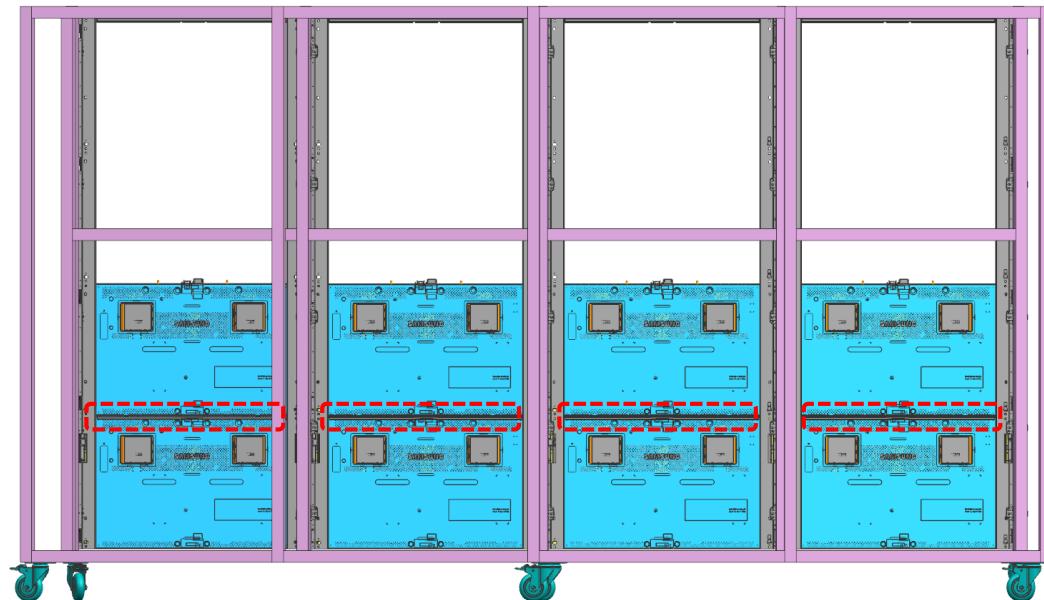
* After installing the second stage CABINET, assemble the BRKT-REAR SUPPORT on the rear side first before removing the filler gauge.

* The BRKT-REAR SUPPORT holds the screw in contact with the upper surface to fix the 0.05 mm interval between upper and lower CABINET.



Cabinet + Frame Installation (CURVED)

⑥ After the second stage BRKT-REAR SUPPORT assembly is completed, remove the filler gauge from the rear of HOLDER MAGNET H.



Cabinet + Frame Installation (CURVED)

⑦ Z SEAM between upper and lower CABINET is controlled by HOLDER MAGNET H. (Fig.1)
* Adjust it using (-) DRIVER on the back. (Fig.2)



Fig.1

※ Turn clockwise and move forward

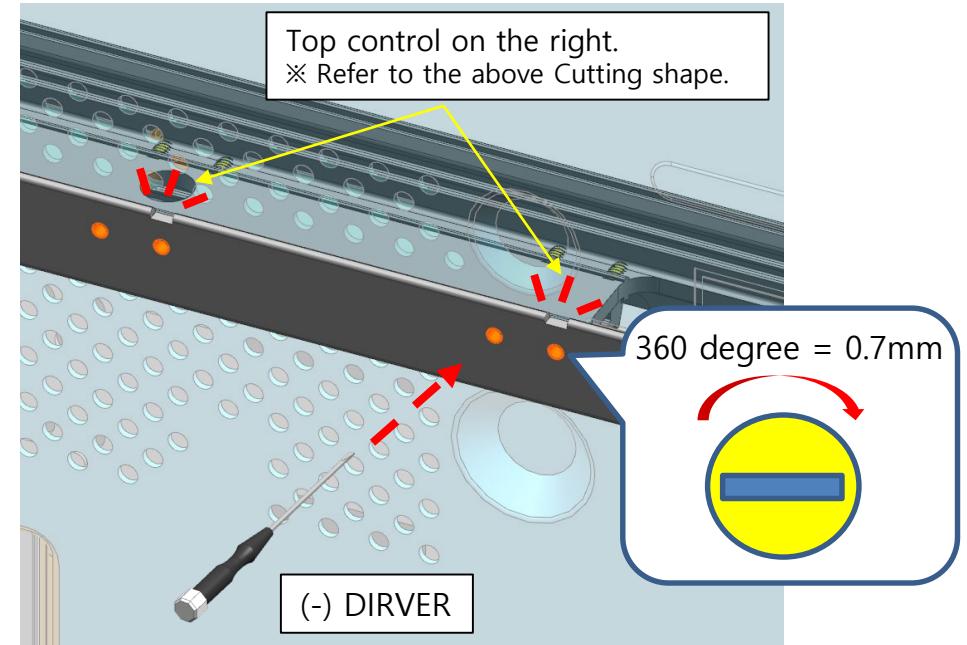


Fig.2

Cabinet + Frame Installation (CURVED)

⑧ The remaining 3 or 4 steps are installed in the same way based on 4X4.

* Reorganize the cable formation in the rear space.

* Fasten the left and right side screw to Fix the CABINET after installation. (Fig.1) ※ Two screws per CABINET.

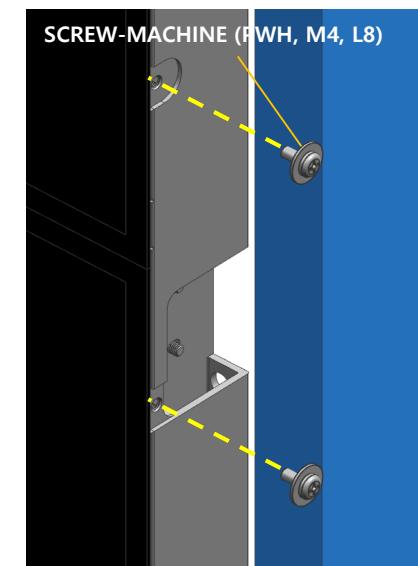
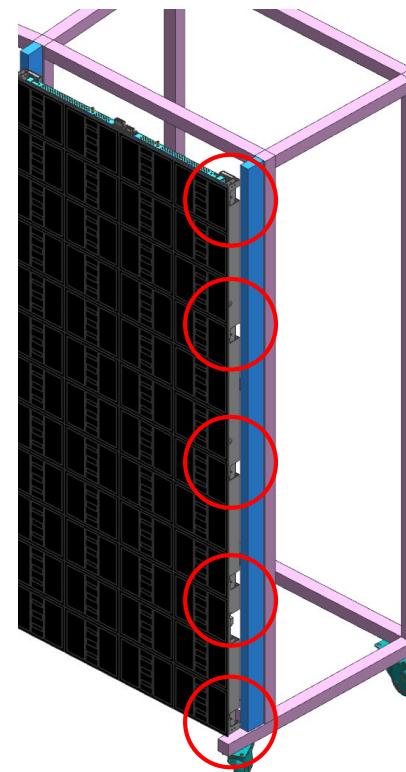
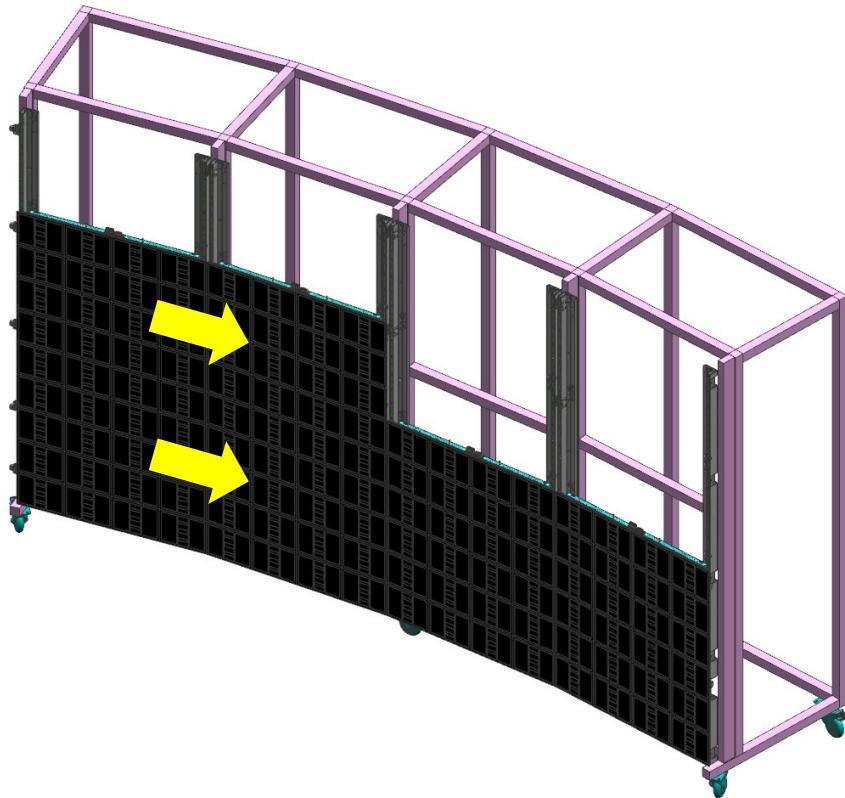
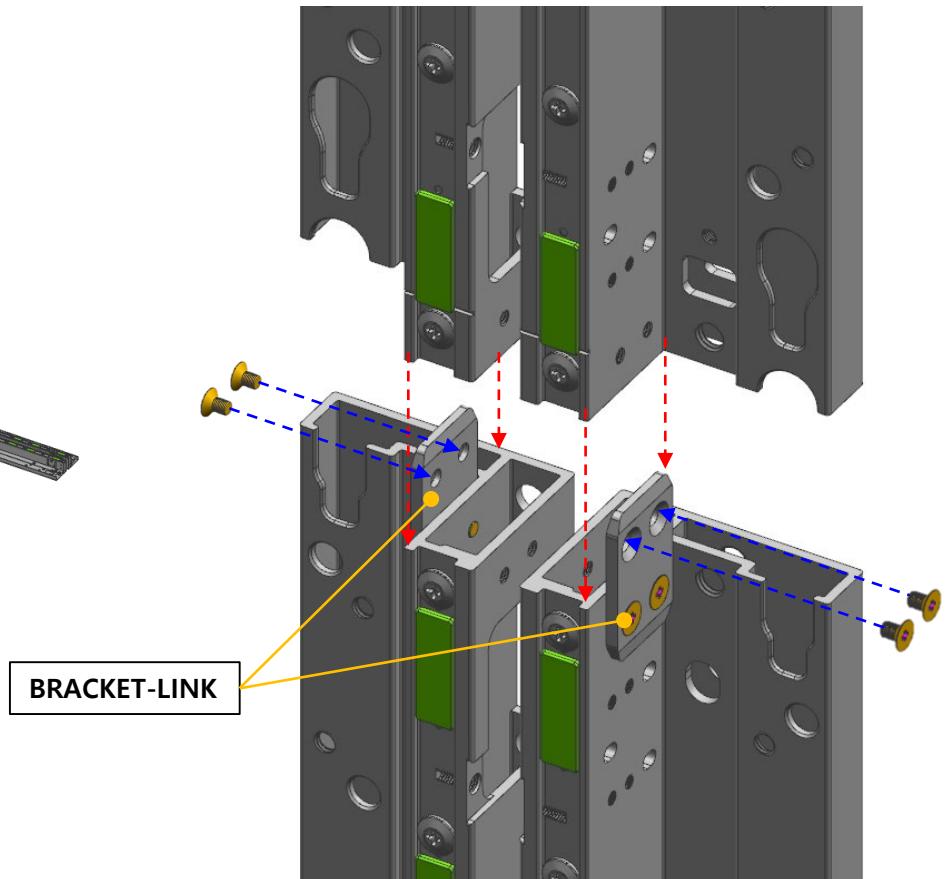
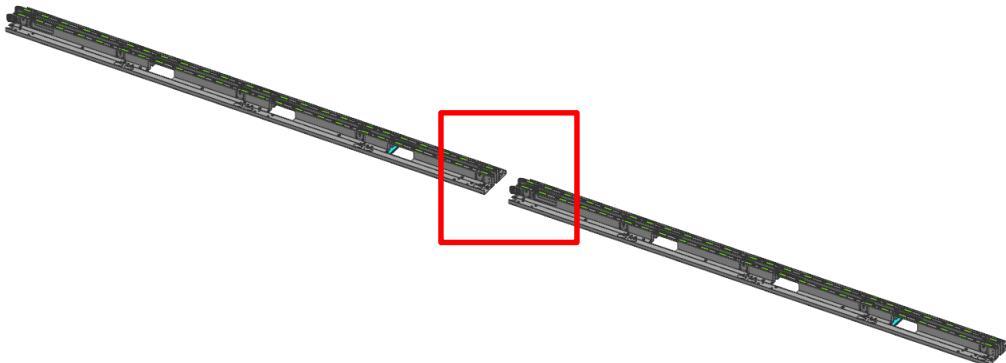


Fig.1 Side Screw Assembly

Cabinet + Frame Installation (CURVED)

※ Curved Frame Extension Method

- * Assemble the upper and lower frame using the BRACKET-LINK.
- * It is the same as 2 stages / 3 stages / 4 stages and uses screws (FH, M4, L6).
- * If it is not extended, remove the BRACKET-LINK.



2) OUTER L Frame

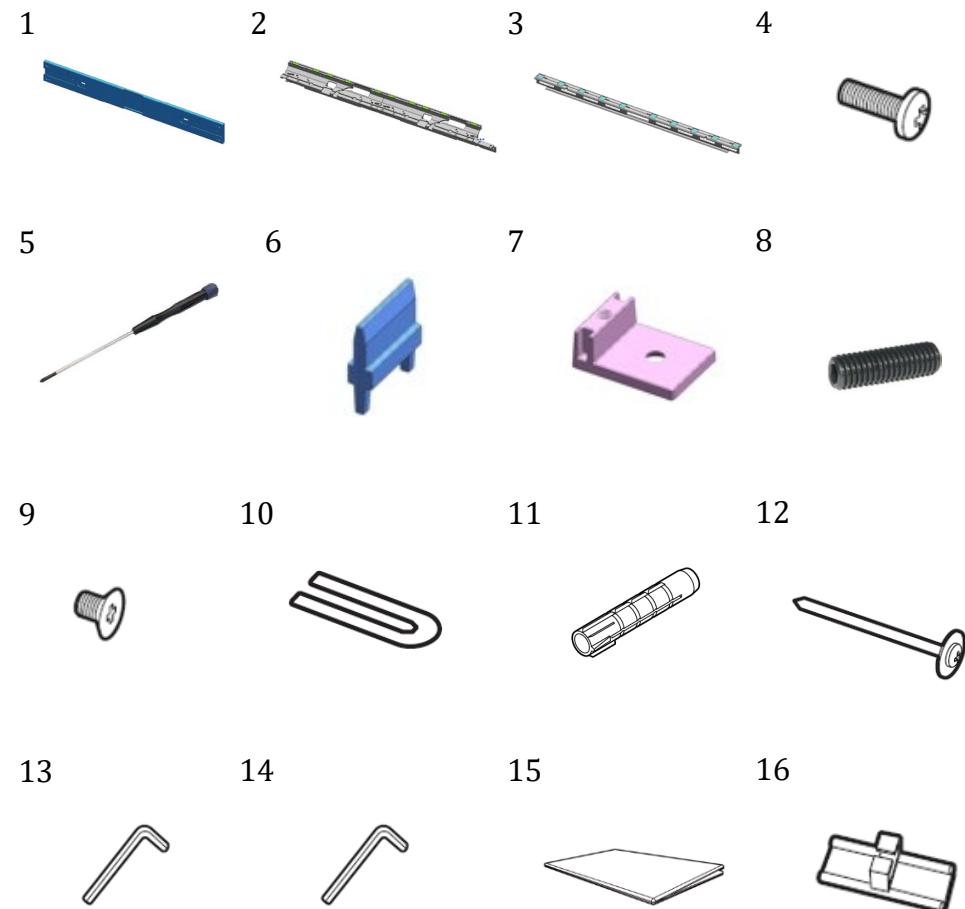
- * L-Type cannot be installed alone
(Combined installation with Flat BASIC FRAME KIT)
- * It can be installed minimum 2 level or more in Horizontal.

1. Frame kit Configuration (OUTER L)

Frame kit Configuration(OUTER L)

□ Outer L Frame kit Configuration

No	Item	OUTER L Frame (2X4) VG-LFA04SLW
1	ASSY FRAME-HORIZONTAL	4
2	ASSY FRAME-VERTICAL (Level 2)	2
3	ASSY HOLDER-MAGNET HORIZONTAL	7
4	BOLT-ETC (TH, M6, L10)	50
5	(-) SCREW DRIVER	1
6	BRACKET-SUPPORT	10
7	BRACKET-SUPPORT SUB	10
8	HEADLESS BOLT(HEX 2.0, M4, L5)	10
9	SCREW-MACHINE (FH, M4, L10)	30
10	SPACER-ETC	18
11	ANCHOR	18
12	SCREW-TAPTYPE (TR,M5,L75,D19,WT1)	18
13	WRENCH(1.5mm)	2
14	WRENCH(2.0mm)	2
15	MANUAL	1
16	HOLDER-CABLE	5

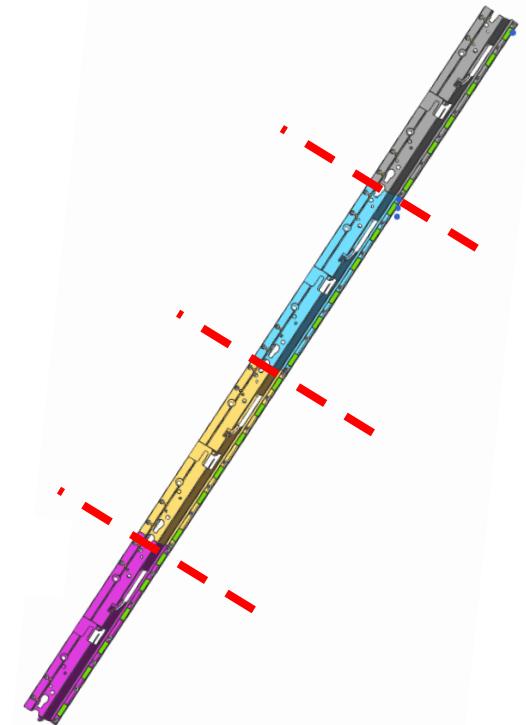
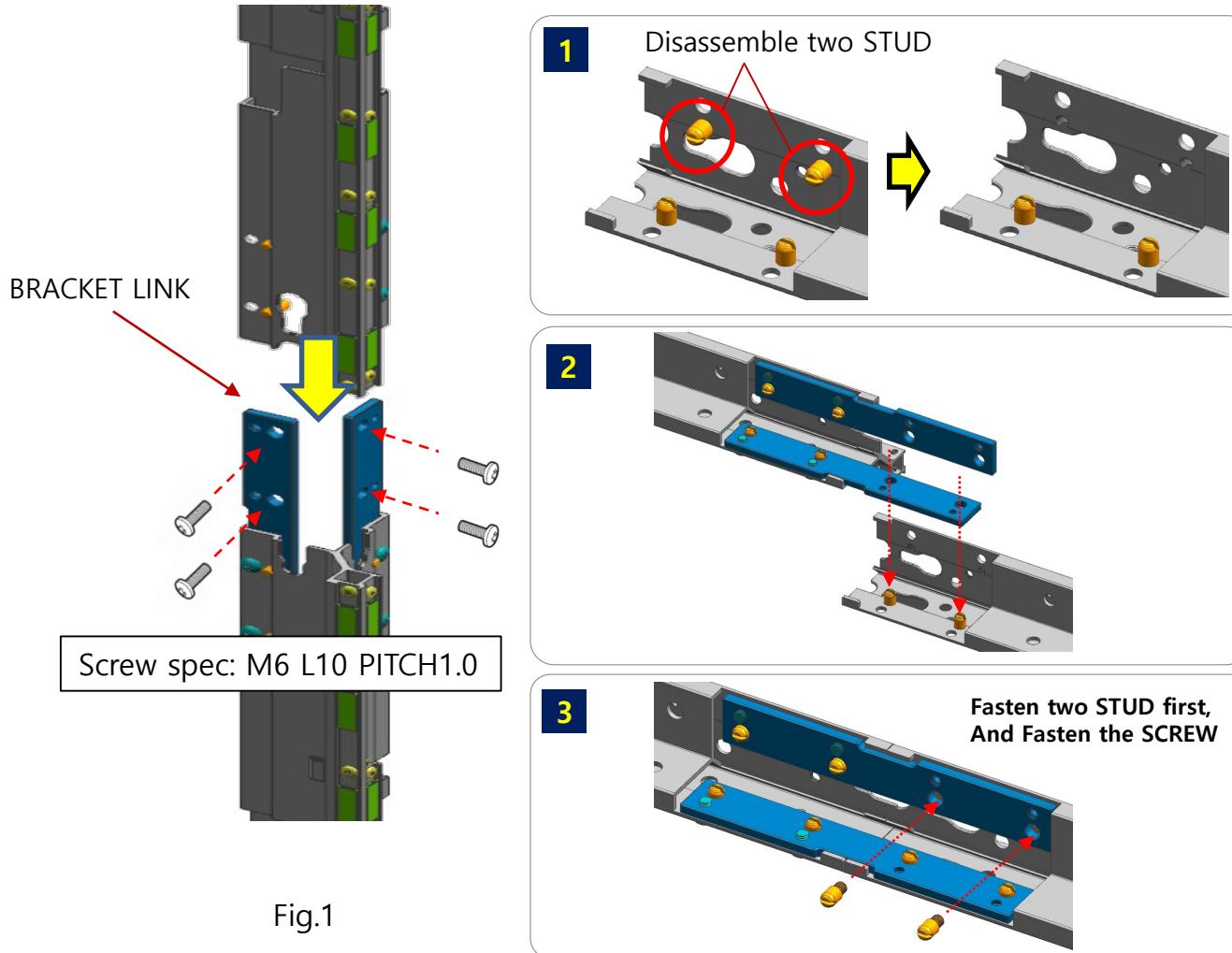


2. Frame and Cabinet Installation (OUTER L)

Frame Installation (OUTER L)

① Assemble the ASSY FRAME V (Level 2) 2SET using the BRACKET LINK as of 4X4. (Fig.1)

* It is possible to use 1, 2, and 3 stages using BRACKET LINK assembly and disassembly. (Fig.2)



Frame Installation (OUTER L)

② Assemble the ASSY FRAME H to the assembled ASSY FRAME V. (Fig.1)

* Put it on the shelf and assemble it as shown in the figure. (Fig.2)

* Assemble in one direction and then lay down in the other direction.

* Before install the L Frame on the wall, Assemble the FRAME VERTICAL LEFT / RIGHT to keep the distance between the ASSY FRAME H.

1. FRAME VERTICAL LEFT / RIGHT are provided in Basic Frame kit separately. (L-Type cannot be installed alone)

2. Remove the FRAME VERTICAL LEFT / RIGHT after install on the wall.

Screw spec: M6 L10 PITCH1.0

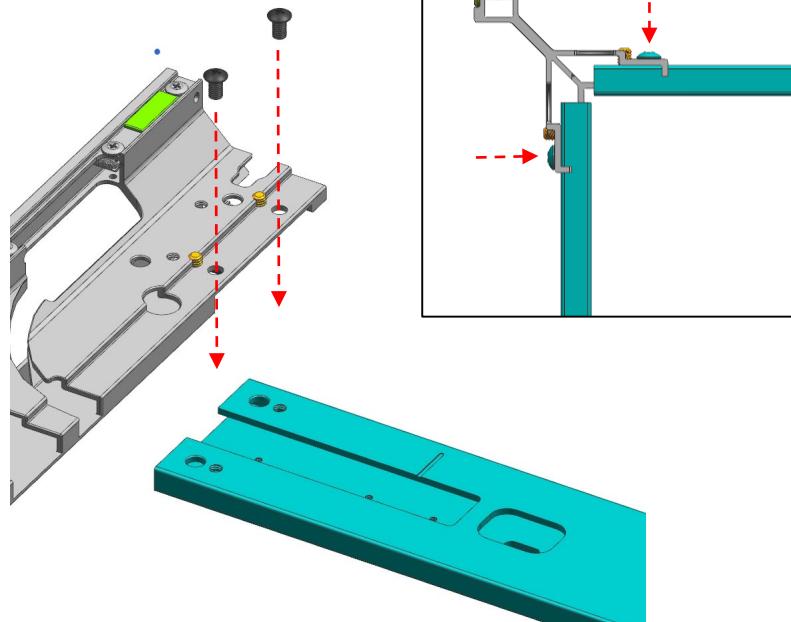


Fig.1

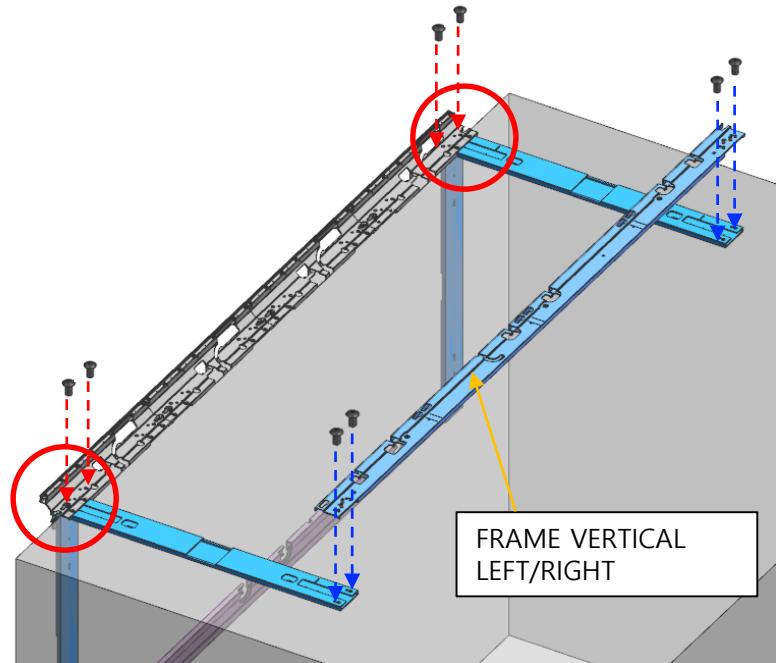


Fig.2

Frame Installation (OUTER L)

③ Fasten the assembled FRAME to the wall. (Fig.1)

* First, attach to the wall according to the orthogonal structure and fasten the screw.

* Connect L-FRAME and FLAT FRAME after remove the FRAME VERTICAL LEFT/RIGHT.

* When extending, proceed in the same way as normal BASIC FRAME KIT installation. (Fig.2)

※ "JOINT-HORIZONTAL" is not applied.

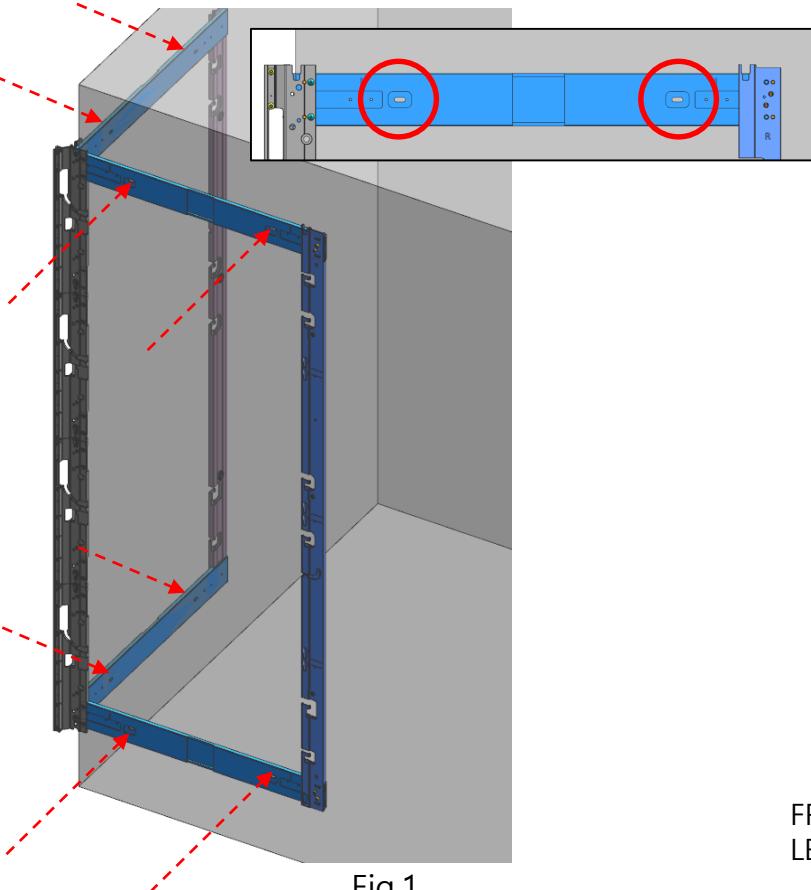
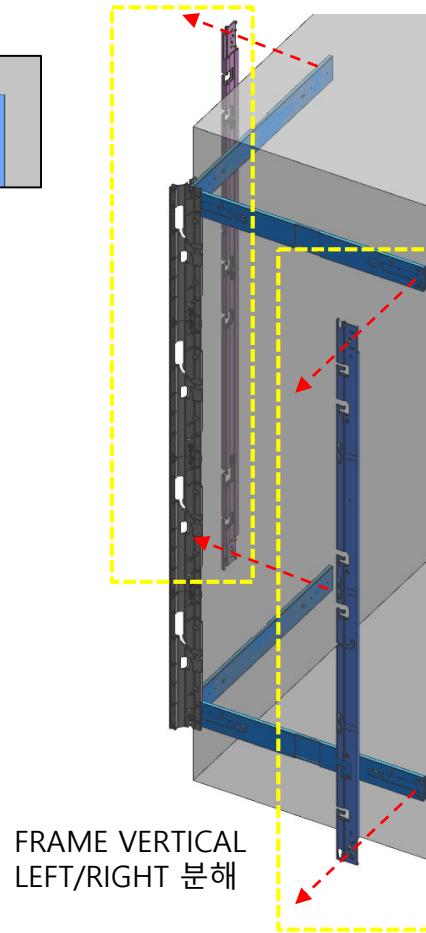


Fig.1



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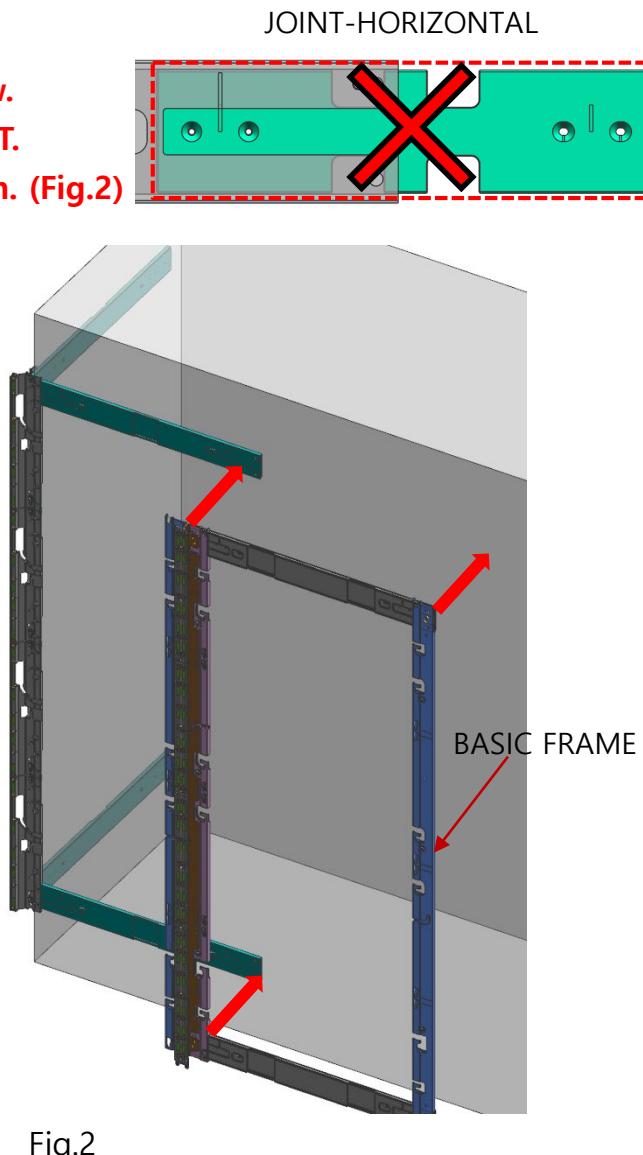


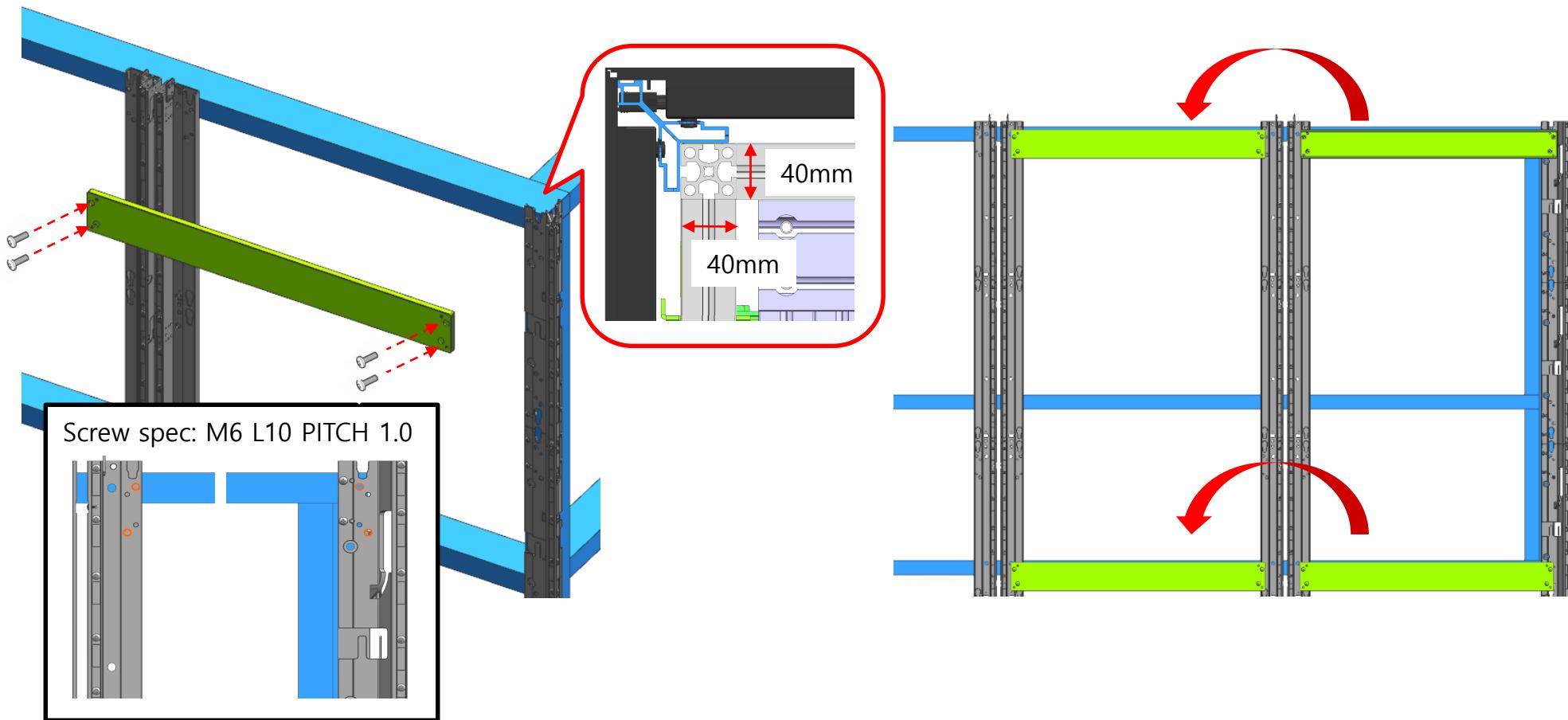
Fig.2

Frame Installation (OUTER L + CURVED Extension)

※ If OUTER L and CURVED FRAME are used together, ASSY HORIZONTAL JIG of CURVED ACC KIT is used.

* Perform the same procedure as the CURVED FRAME KIT installation method.

* PROFILE specification is 40X40.



Cabinet + Frame Installation (OUTER L)

① Install the cabinet from the left for cable operation.(Fig.1)

* Before installing the cabinet, connect the OCM cable first and arrange the line to the right. (Fig.2)

* After installation, plug a POWER CABLE on the side and shape it according to each HOLDER. (Fig.2)

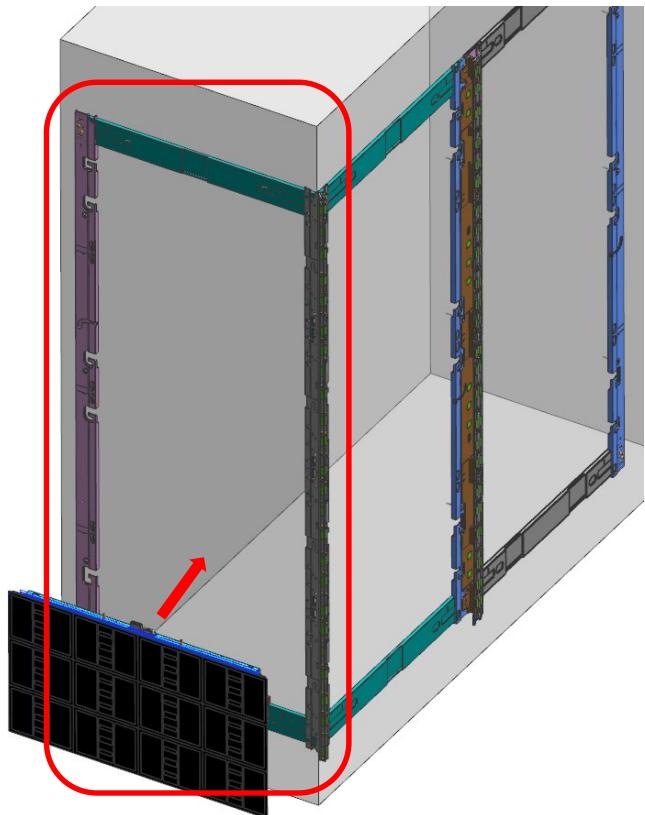


Fig.1

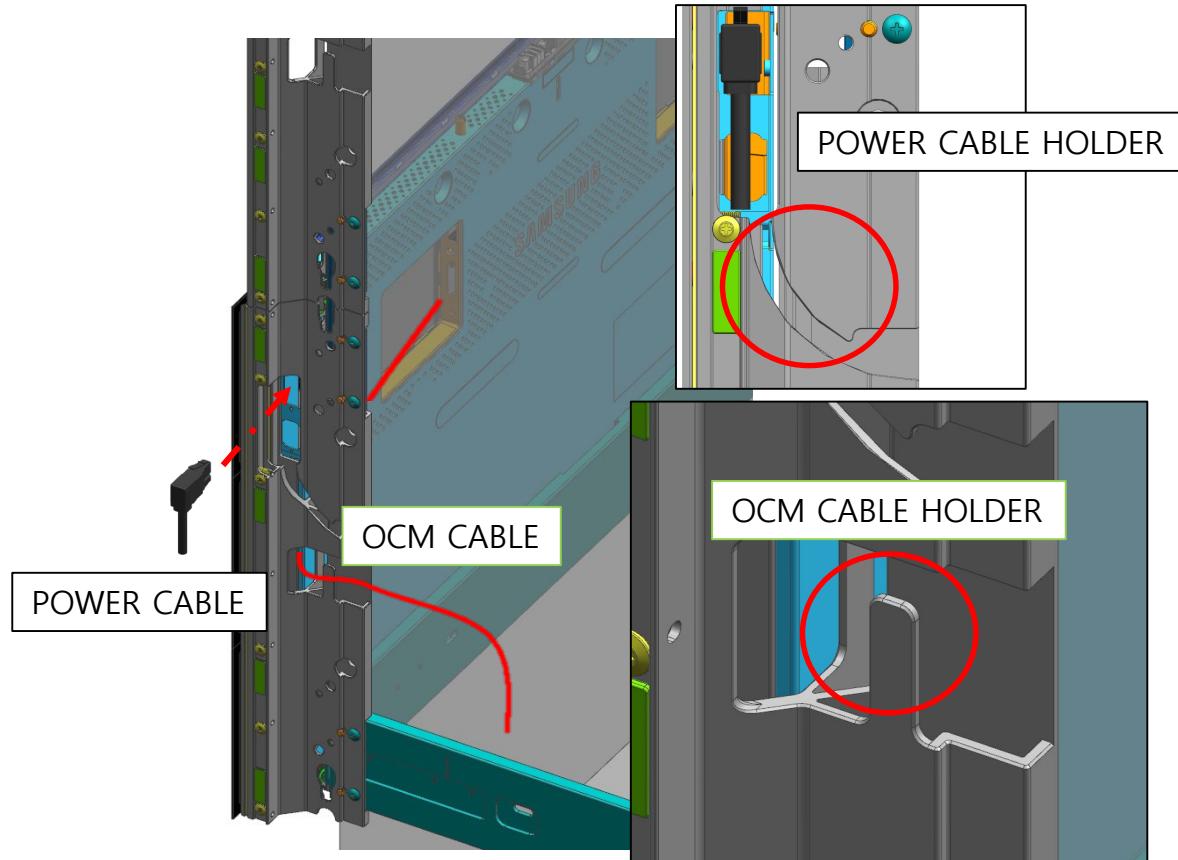


Fig.2

Cabinet + Frame Installation (OUTER L)

② The Z SEAM control of the L TYPE part is performed by disassembling module frame in front of the right CABINET. (Fig.1)

* The left CABINET Z SEAM is adjusted by Fastening ⑧ Screws as shown in the figure. (Fig.2)

* The right CABINET Z SEAM is adjusted by Fastening ⑨ Screws as shown in the figure. (Fig.2)

* Z SEAM control due to up and down and extended installation is the same as basic IWA / IFA installation.

(Refer to the IWA / IFA installation manual)

※ B : Turn clockwise and move forward.

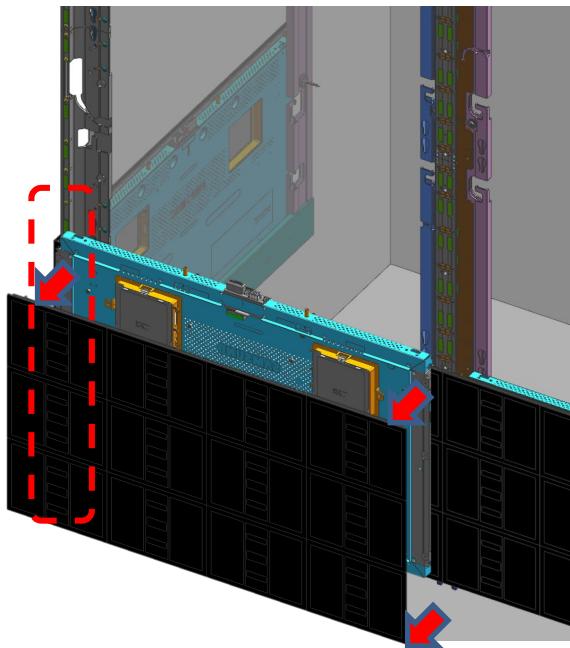
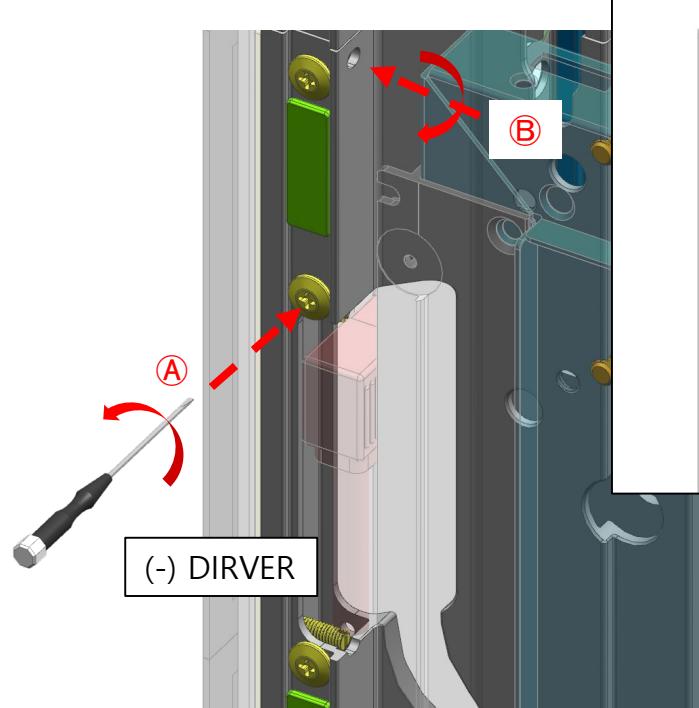


Fig.1

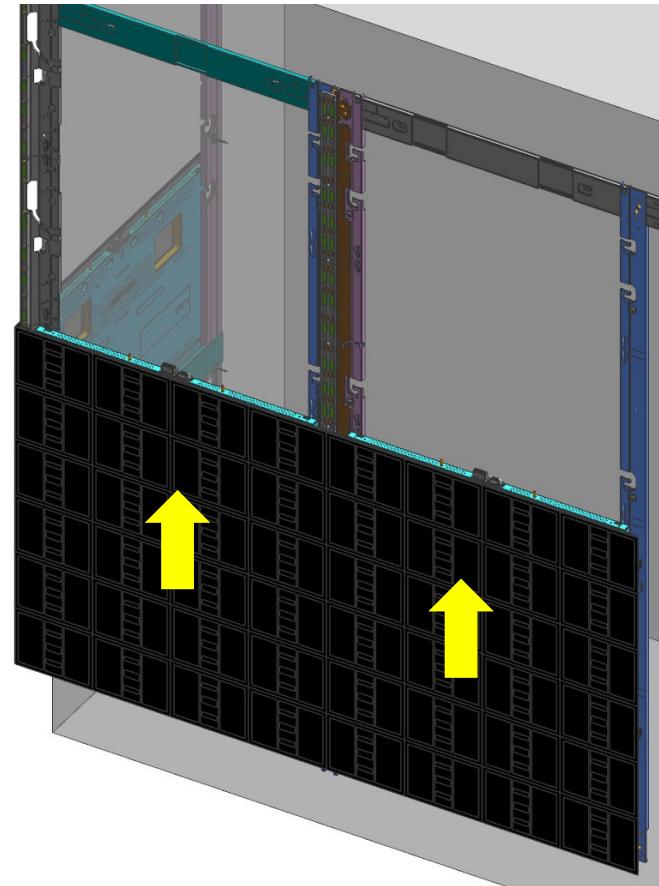
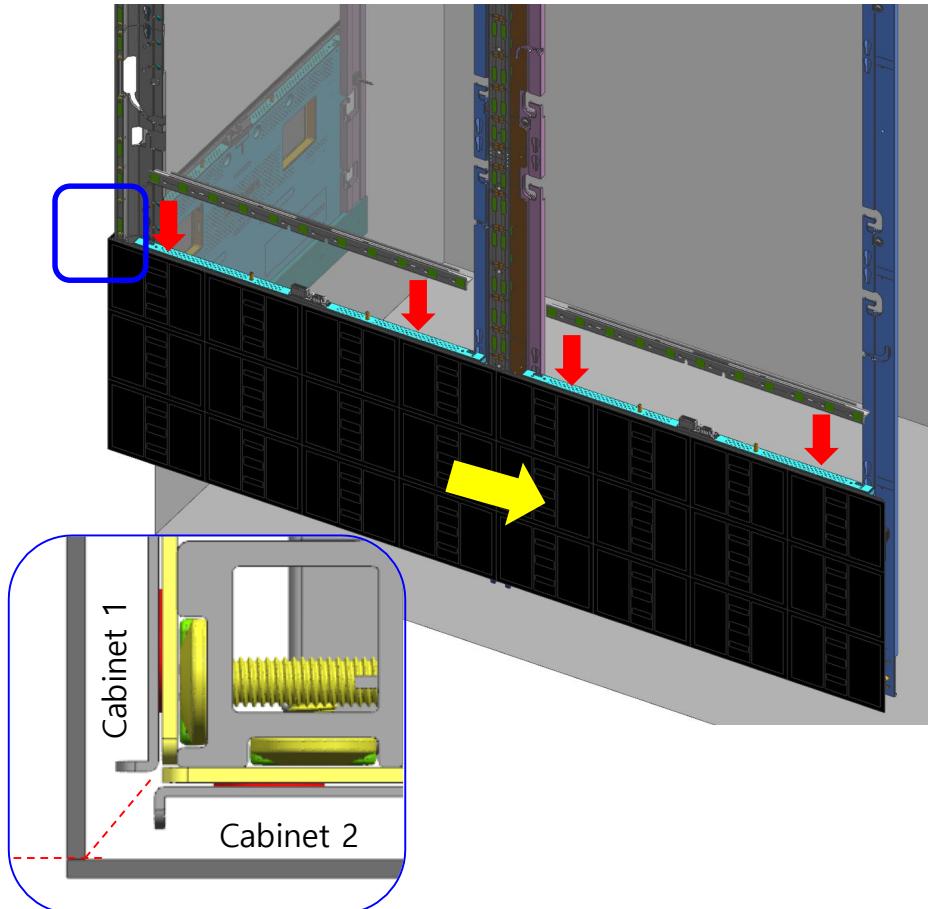


※ A: Turn counterclockwise and move forward

Fig.2

Cabinet + Frame Installation (OUTER L)

③ The rest can be performed in the same way as the CABINET installation in BASIC FRAME.
* For BASIC installation, refer to the IWA / IFA installation manual.



※ Corner part (Top view): Installed so that the module in the right cabinet covers the left cabinet module

3) INNER L Frame

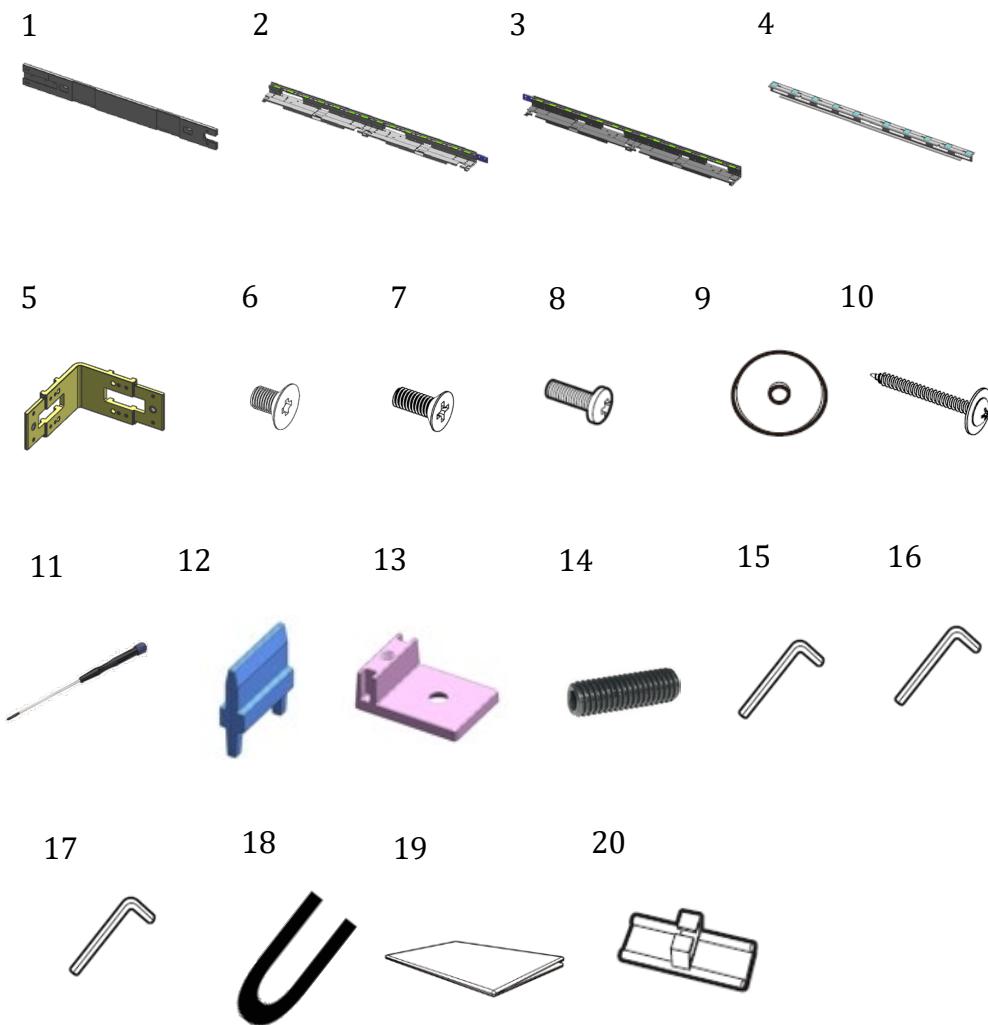
- * L-Type cannot be installed alone
(Combined installation with Flat BASIC FRAME KIT)
- * It can be installed minimum 2 level or more in Horizontal.

1. Frame kit Configuration (INNER L)

Frame kit Configuration(INNER L)

□ Frame kit Configuration

No	Item	INNER L Frame (2X4) VG-LFAI4SLW
1	FRAME-HORIZONTAL INNER L	4
2	ASSY FRAME-VERTICAL INNER L TYPE LEFT	2
3	ASSY FRAME-VERTICAL INNER L TYPE RIGHT	2
4	ASSY HOLDER-MAGNET HORIZONTAL	7
5	ASSY JOINT LINK INNER L TYPE	5
6	SCREW-MACHINE (FH, M4, L6)	12
7	SCREW-MACHINE (FH, M4, L10)	30
8	BOLT-ETC (TH, M6, L10)	60
9	TAPE WASHER	10
10	SCREW-TAPTYPE (TR,M5,L75,D19,WT1)	18
11	(-) SCREW DRIVER	1
12	BRACKET-SUPPORT	10
13	BRACKET-SUPPORT SUB	10
14	HEADLESS BOLT(HEX 2.0, M4, L5)	10
15	WRENCH(1.5mm)	2
16	WRENCH(2.0mm)	2
17	WRENCH(6.0mm)	1
18	SPACER-ETC (FLAT CONTROL)	18
19	MANUAL	1
20	HOLDER-CABLE	5



2. Frame and Cabinet Installation (INNER L)

Frame Installation (INNER L)

① Assemble ASSY FRAME V L / R 2X2 2SET using BRACKET LINK based on 4X4. (Fig.1)

* It is possible to use 1, 2, and 3 stages using BRACKET LINK assembly and disassembly. (Fig.2)

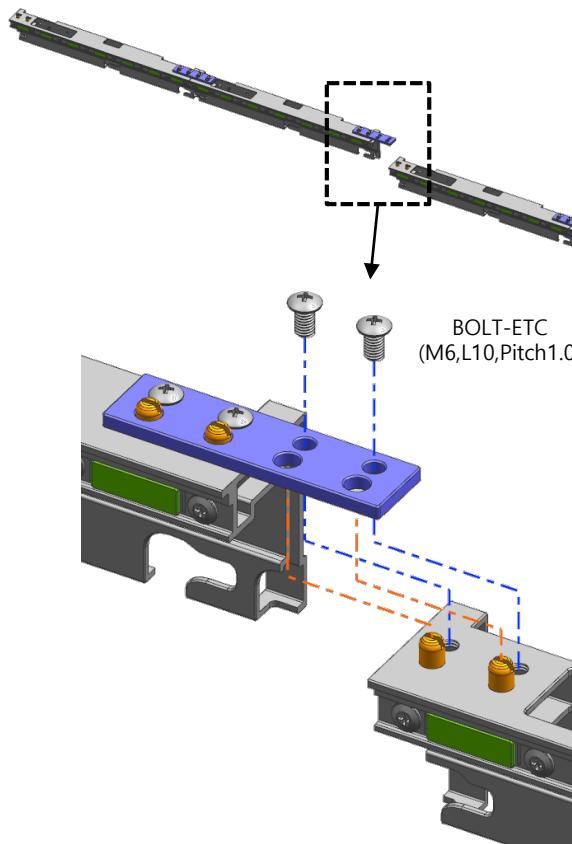
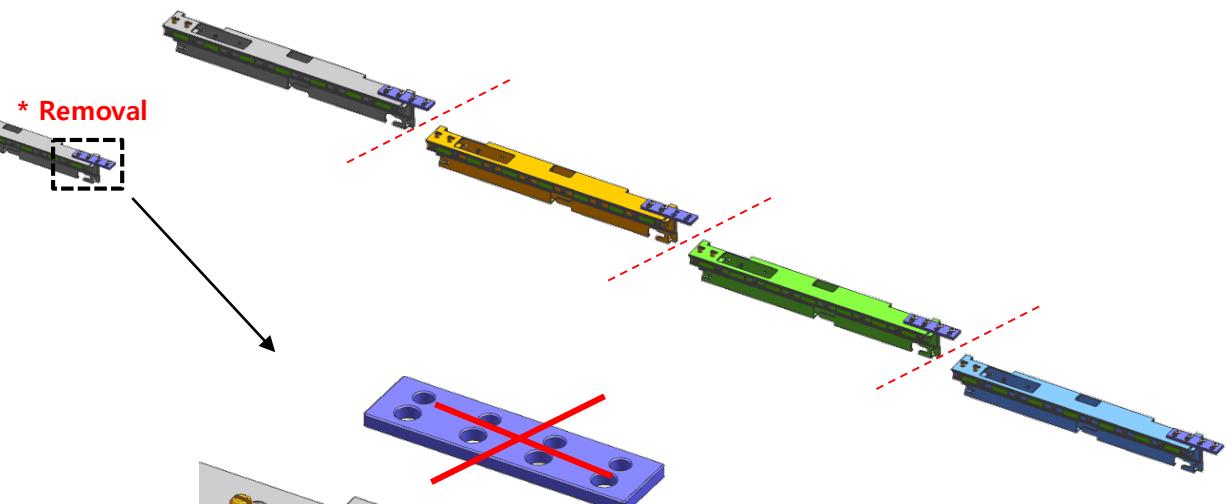


Fig.1



* Removal if BRKT is not installed at the end

Fig.2

Frame Installation (INNER L)

② Connect FRAME HORIZONTAL 2set using JOINT LINK. (Fig.1)

ASSY JOINT LINK INNER L TYPE (L/R position needs to be checked)

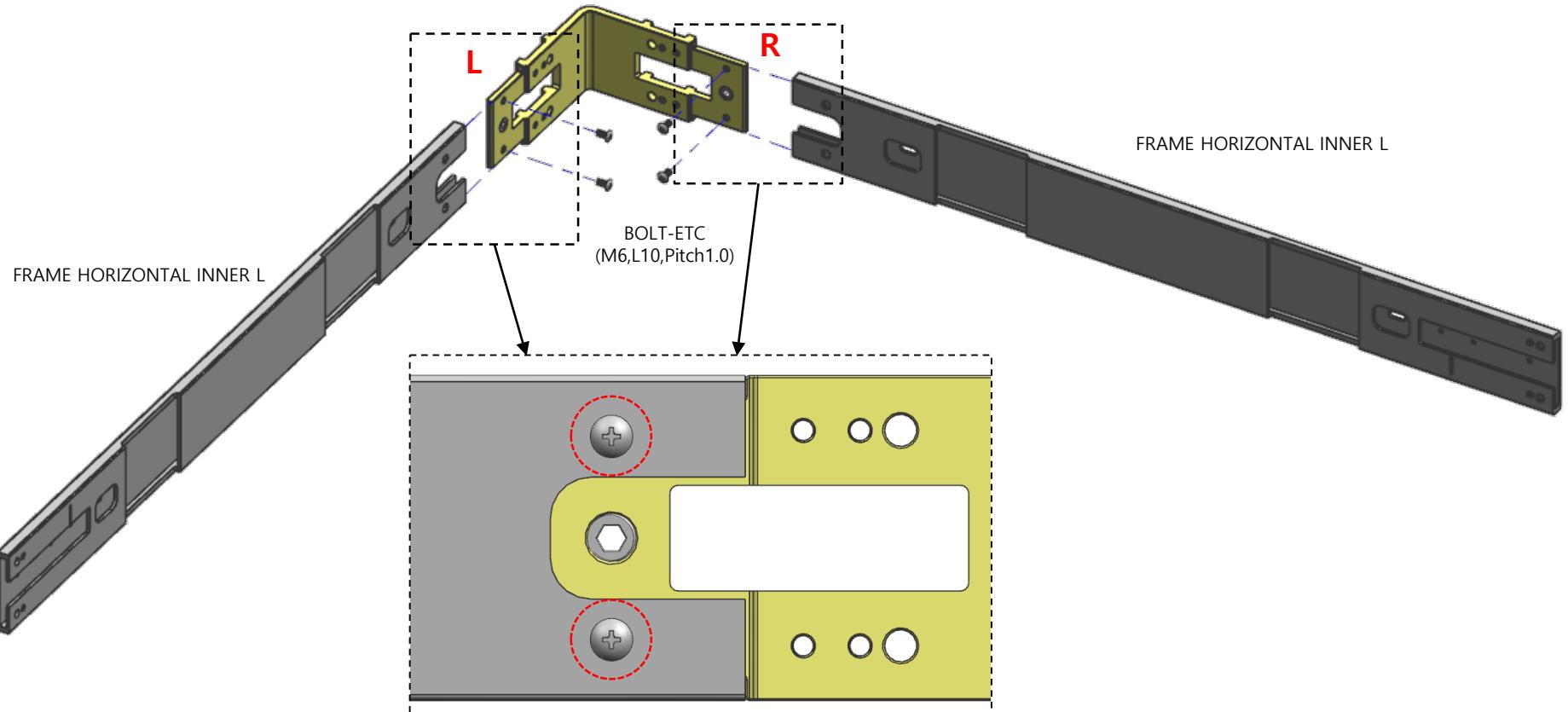
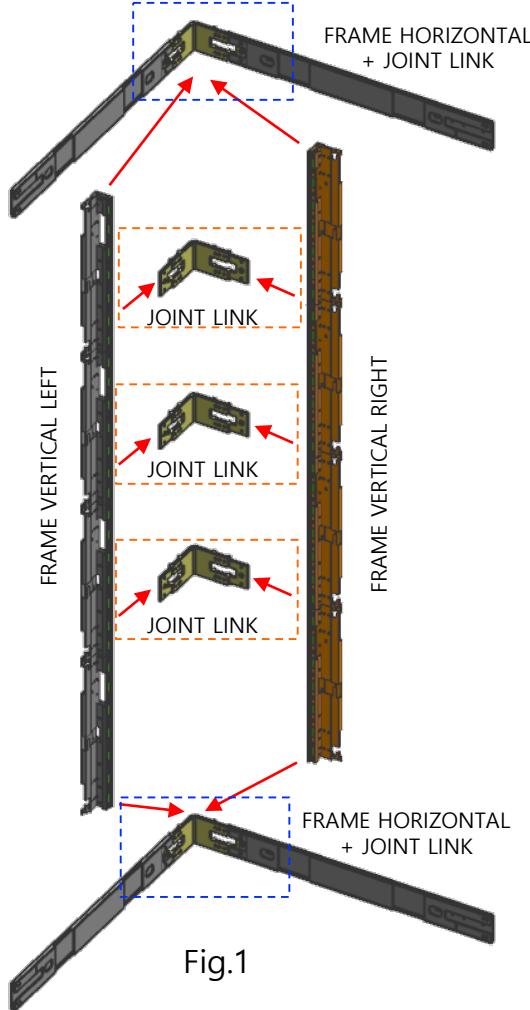


Fig.1

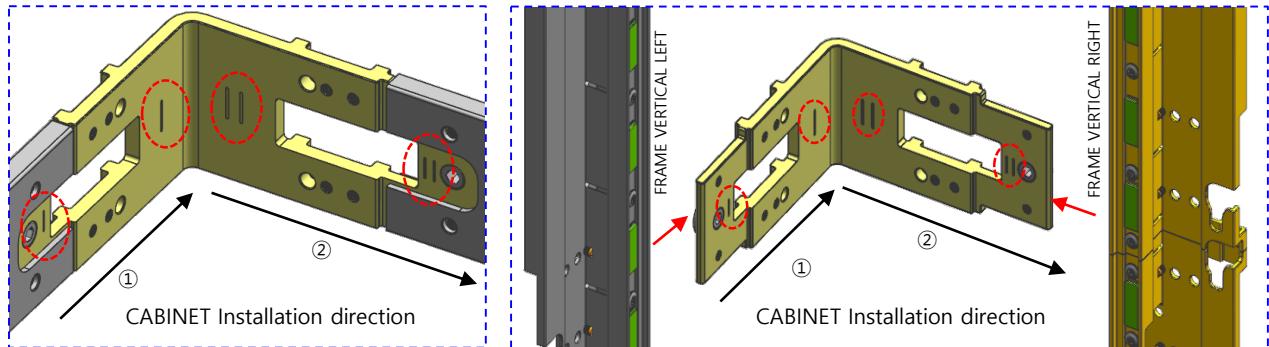
Frame Installation (INNER L)

3-1. Assemble FRAME HORIZONTAL and FRAME VERTICAL LEFT / RIGHT together with JOINT LINK.(Fig.1)

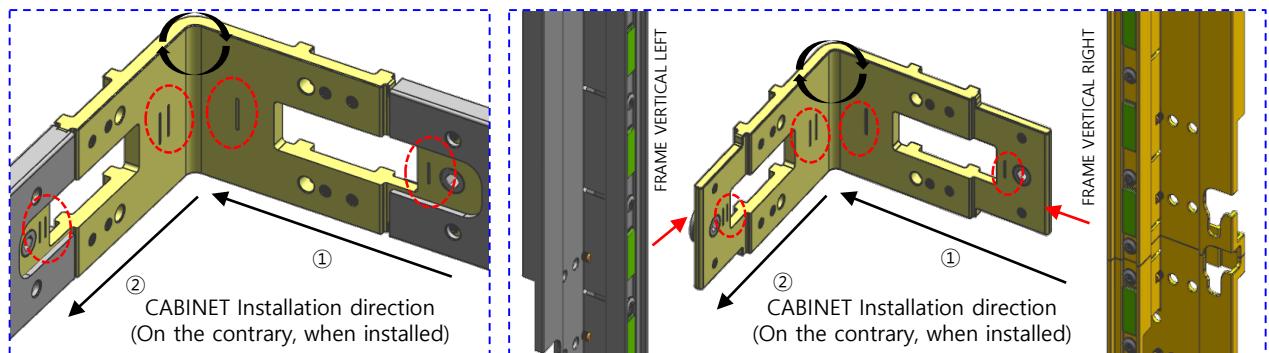
※ Assemble 3EA center JOINT LINKs and then assemble 2EA upper and lower. (Refer the next page)



* 1 II of JOINT LINK is assembled according to the mark, Unify all JOINT LINK positions according to CABINET installation direction.

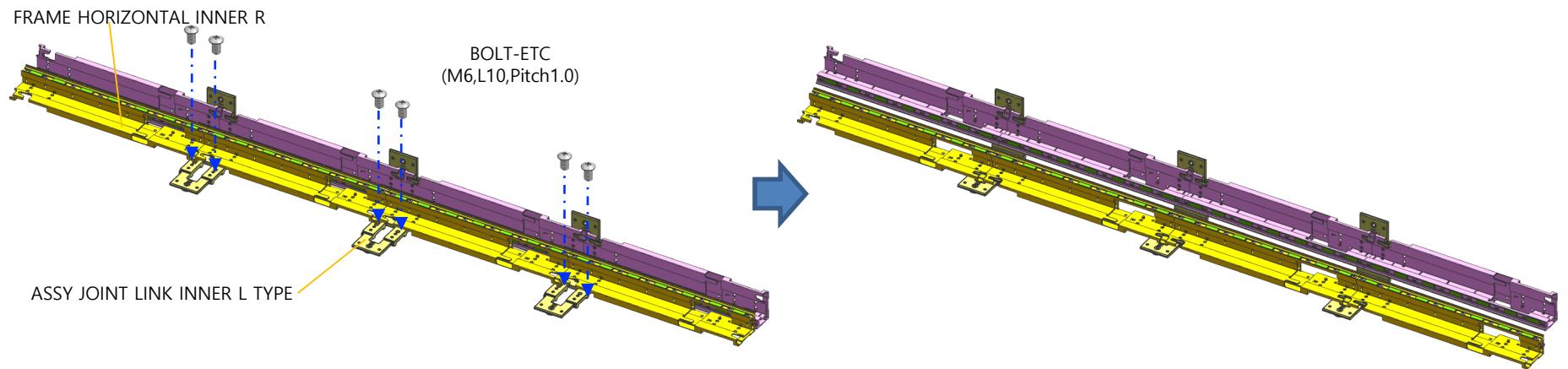
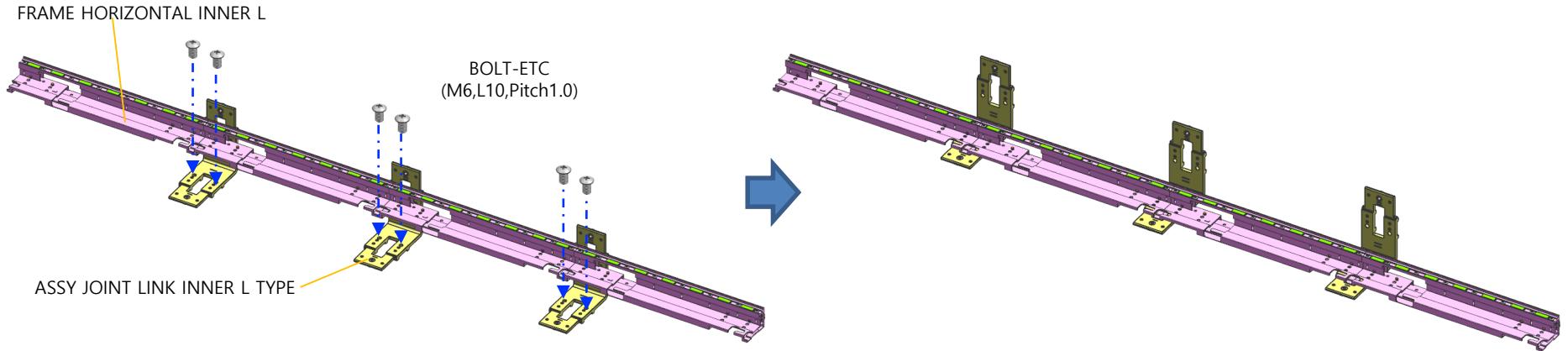


* Install the JOINT LINK upside down when installing the CABINET in reverse depending on the viewing angle / installation environment.



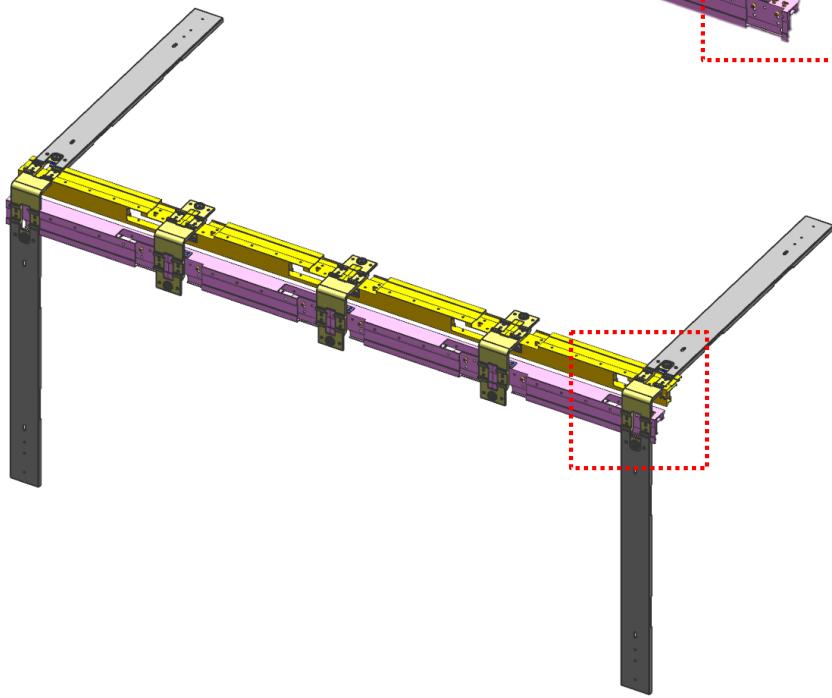
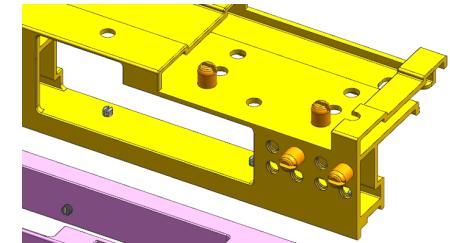
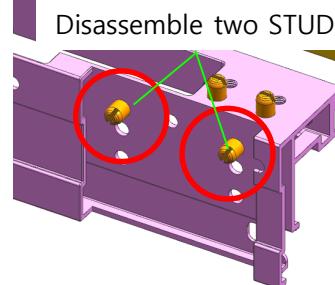
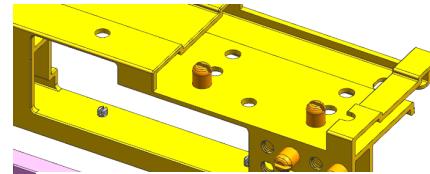
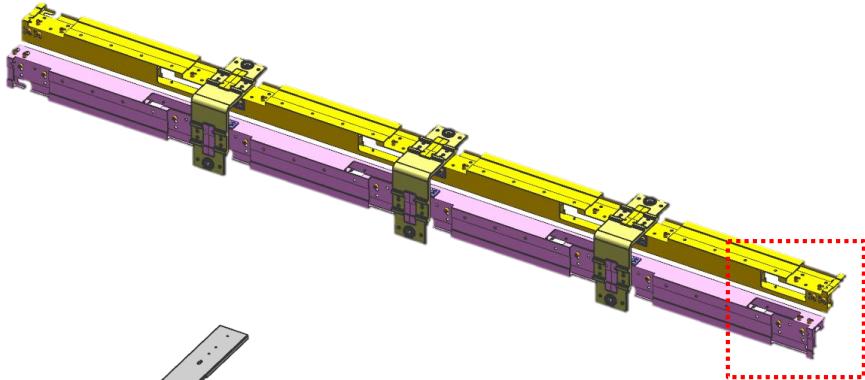
Frame Installation (INNER L)

3-1-1. (Center) Assemble FRAME VERTICAL LETF and RIGHT together with 3 JOINT LINK.

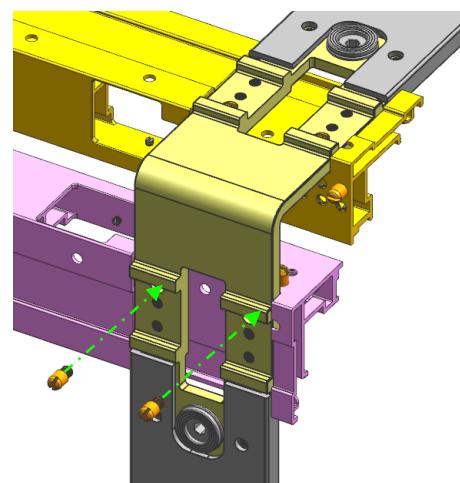


Frame Installation (INNER L)

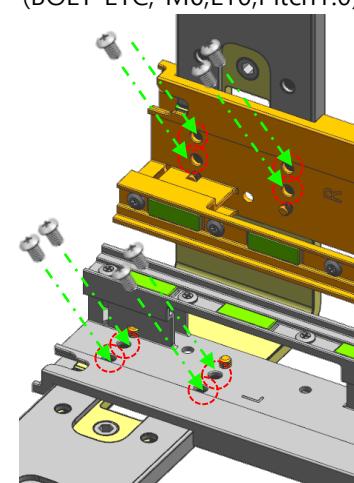
3-1-2. (Top/Bottom) Assemble FRAME VERTICAL LETF and RIGHT together with 2 JOINT LINK.



Fasten two STUD



Fasten four SCREW
(BOLT-ETC, M6,L10,Pitch1.0)



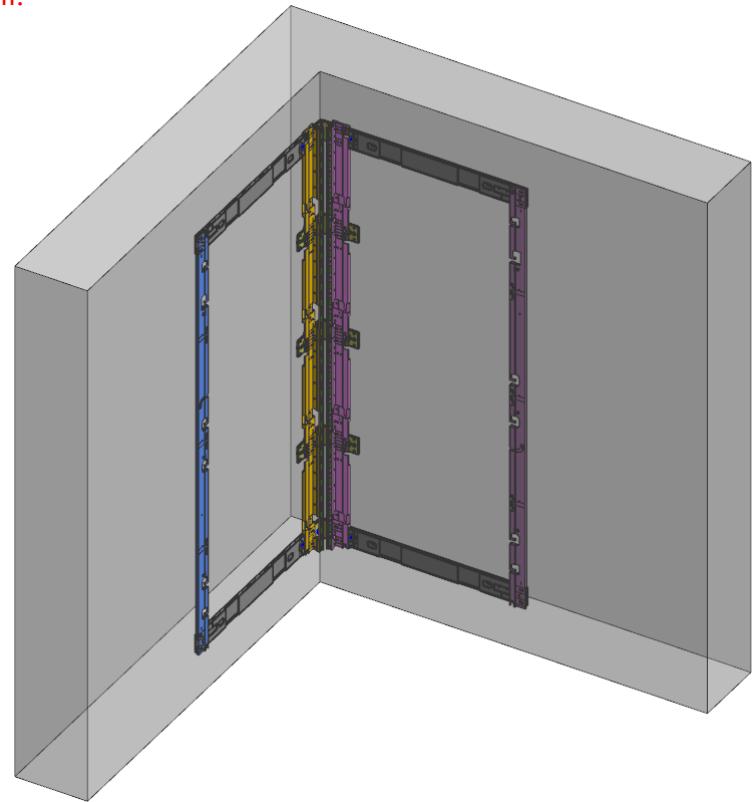
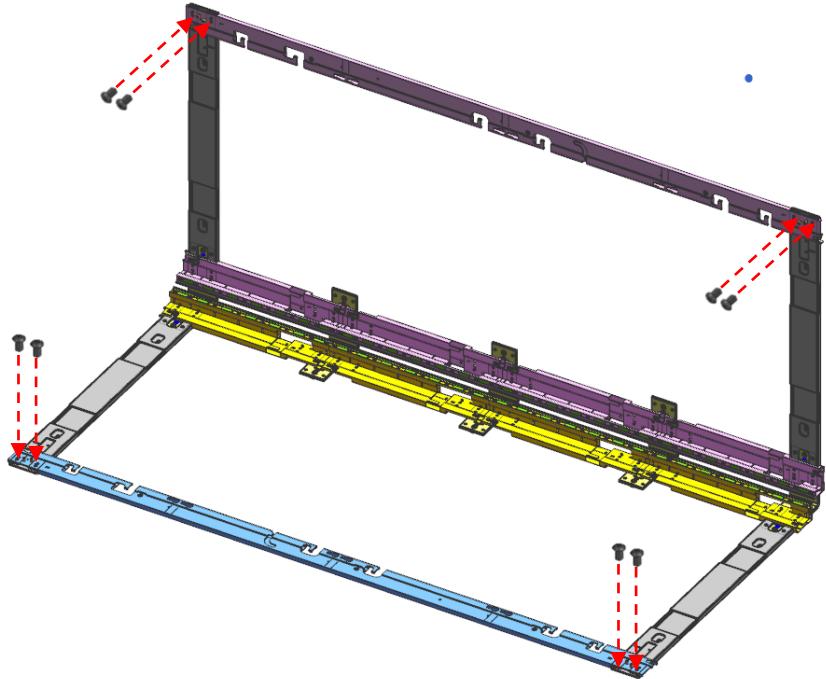
Frame Installation (INNER L)

3-2. Assemble the FRAME VERTICAL LEFT / RIGHT to the L-Type FRAME.

* Before install the L Frame on the wall,

Assemble the FRAME VERTICAL LEFT / RIGHT to keep the distance between the ASSY FRAME H.

- ① FRAME VERTICAL LEFT / RIGHT are provided in Basic Frame kit separately. (L-Type cannot be installed alone)
- ② Remove the FRAME VERTICAL LEFT / RIGHT after install on the wall.



Frame Installation (INNER L)

④ Fasten the assembled FRAME to the wall. (Fig.1)

* Close to the wall according to the orthogonal structure, fasten one of the first positions, check horizontally, and fasten the remaining 2 / 3 position (Fig.2)

* Insert and fasten (Fig.3) the enclosed sheet according to the flattening of the wall, adjust the height by adjusting the HOLDER-LEVEL, and then tighten the SCREW (Fig.4).

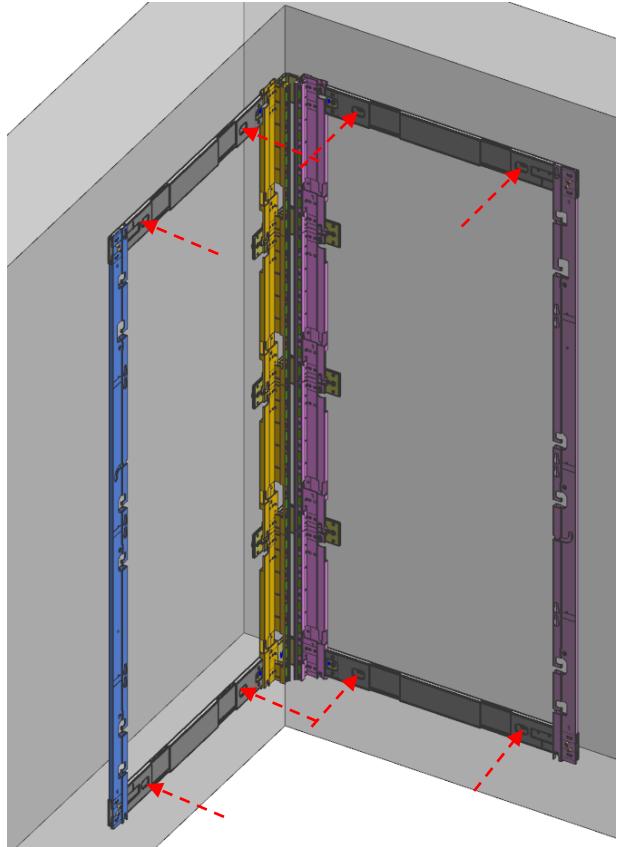


Fig.1

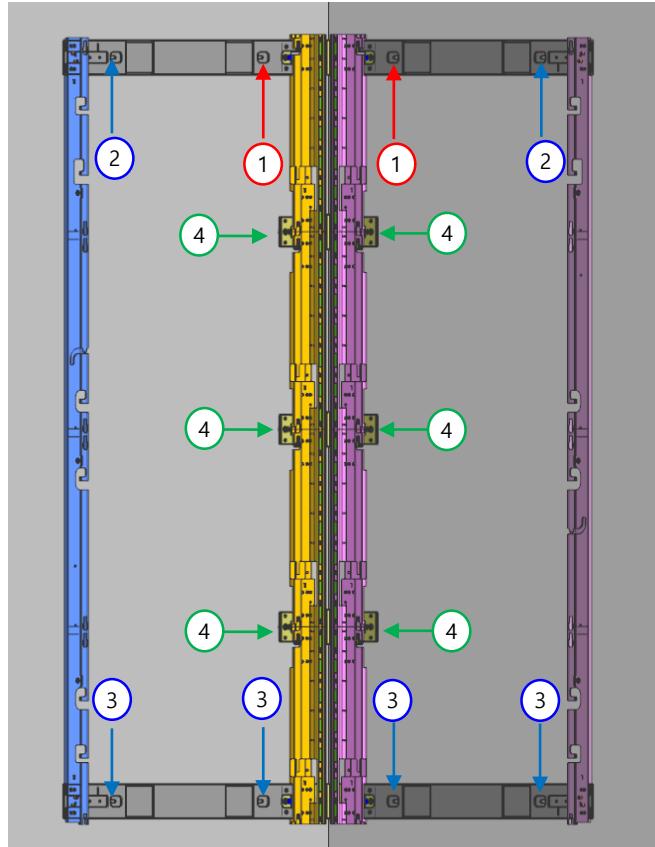


Fig.2

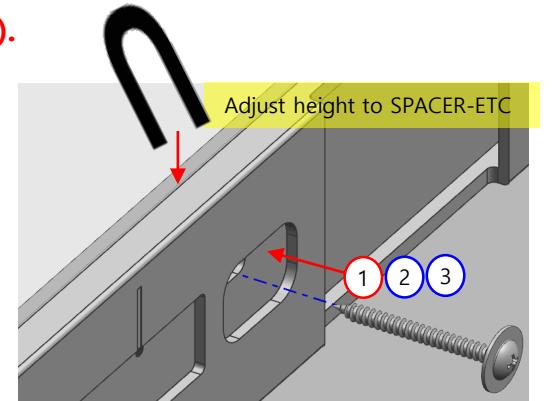


Fig.3

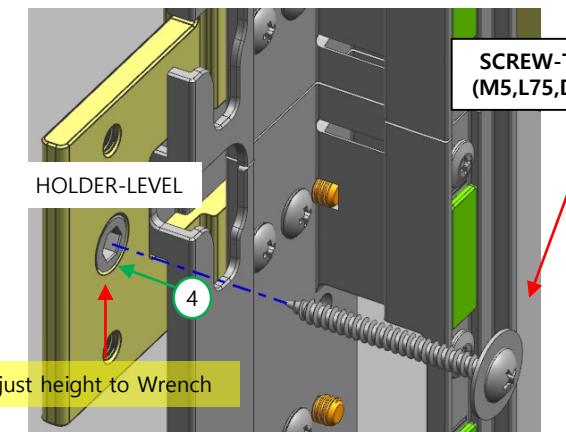


Fig.4

Frame Installation (INNER L)

⑤ The extension installation is connected to the same BASIC FRAME KIT.

* Connect L-FRAME and FLAT FRAME after remove the FRAME VERTICAL LEFT/RIGHT.

* When extending, proceed in the same way as normal BASIC FRAME KIT installation. (Fig.2)

※ "JOINT-HORIZONTAL" is not applied.

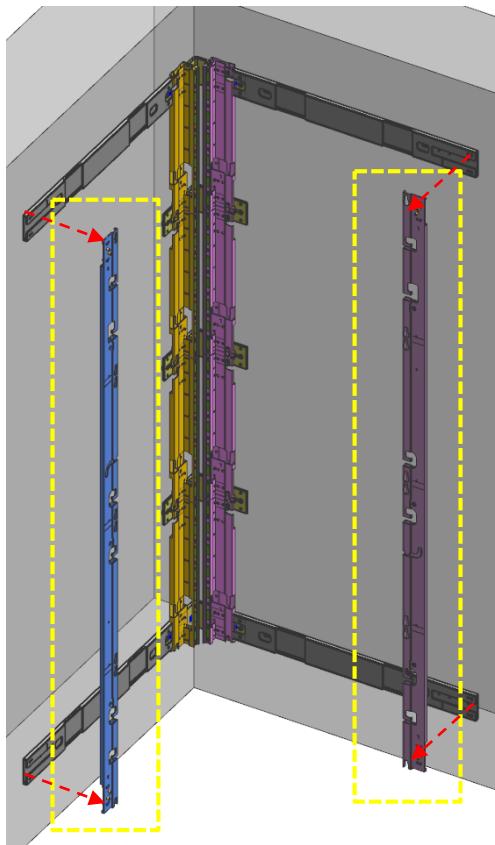


Fig.1 FRAME VERTICAL
LEFT/RIGHT Disassemble

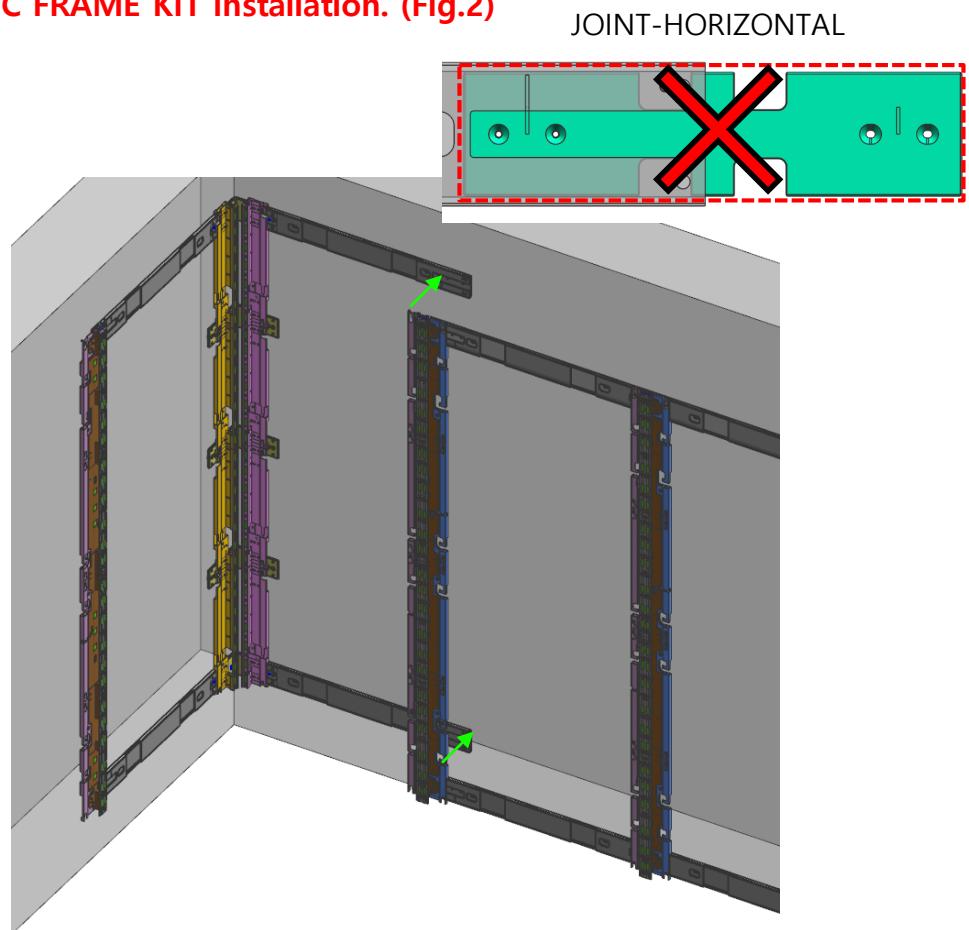


Fig.2

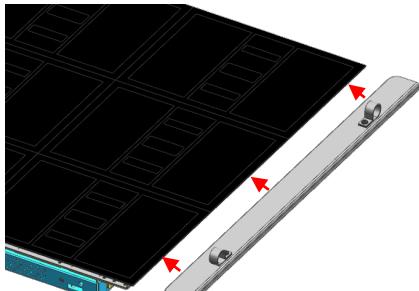
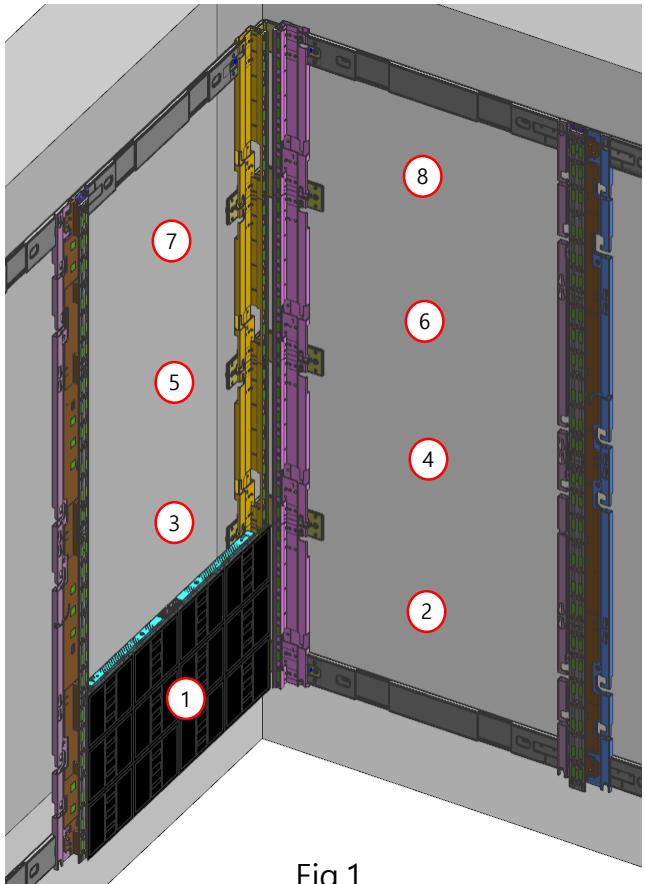
Cabinet + Frame Installation (INNER L)

① For cable operation, install the cabinet in the following order from the bottom left. (Fig.1)

* Install the cable inside the FRAME VERTICAL while connecting the power cable and the OCM cable in the cabinet (Fig.2)

* Slide the right sliding bolts first ①, (Fig.3) and then slide in the lower direction of ②, (Fig.4)

* To protect module while installment the cabinet, use Edge protection JIG on Cabinet side (Extra ACC)



* Use Edge protection JIG

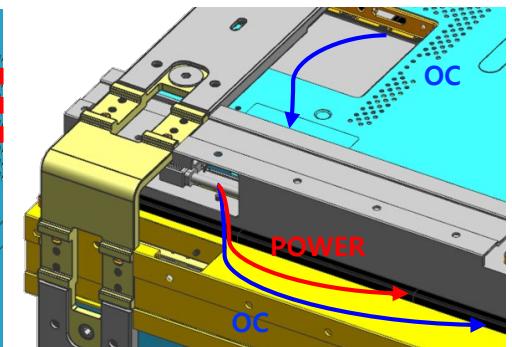
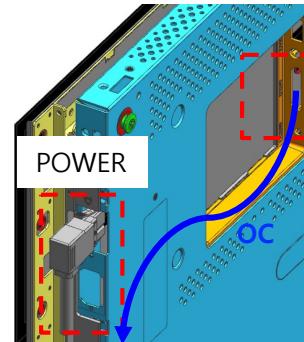


Fig.2

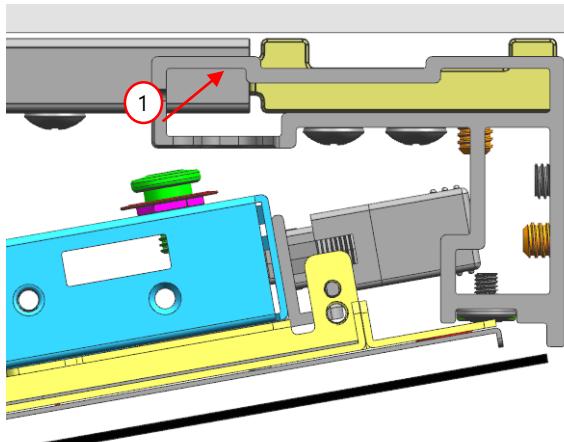


Fig.3

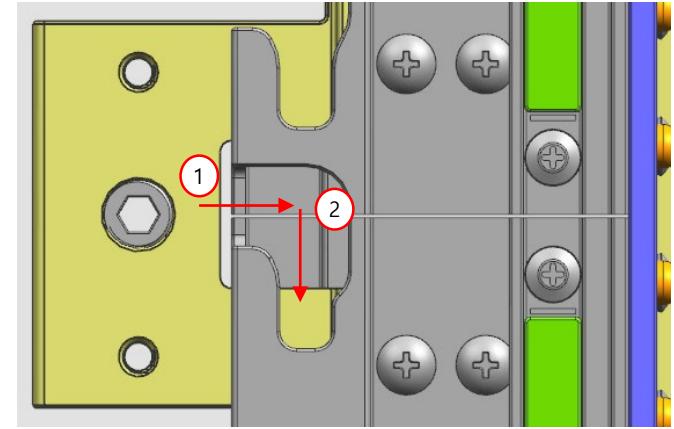


Fig.4

Cabinet + Frame Installation (INNER L)

② The Z SEAM control of L TYPE part is performed by disassembling the module frame FRONT of CABINET. (Fig.1, Fig.2)

* If the rear access is possible due to the profile installation, it can be adjusted through the rear adjustment hole without separating the FRONT (Fig.3).

* Z SEAM control due to up and down and extended installation is the same as basic IWA / IFA installation. (Refer to the IWA / IFA installation manual)

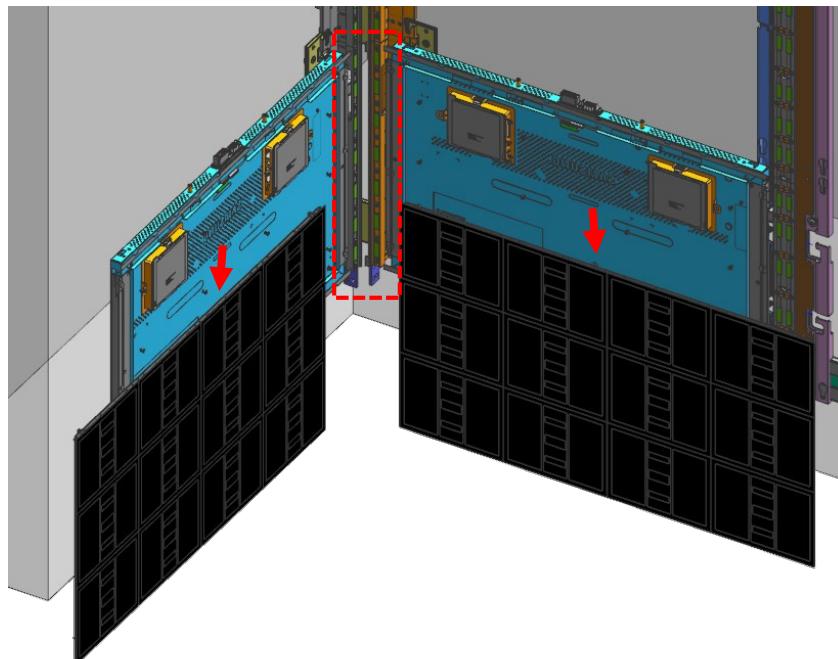
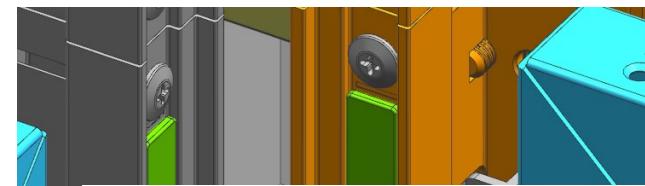


Fig.1



※ Turn counterclockwise and move forward

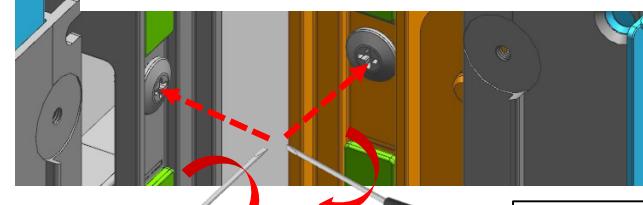


Fig.2

(-) DIRVER

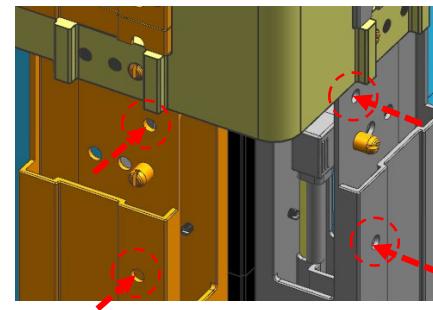
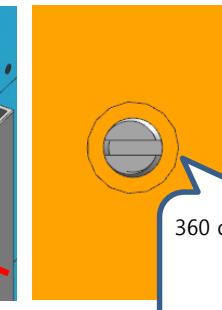


Fig.3

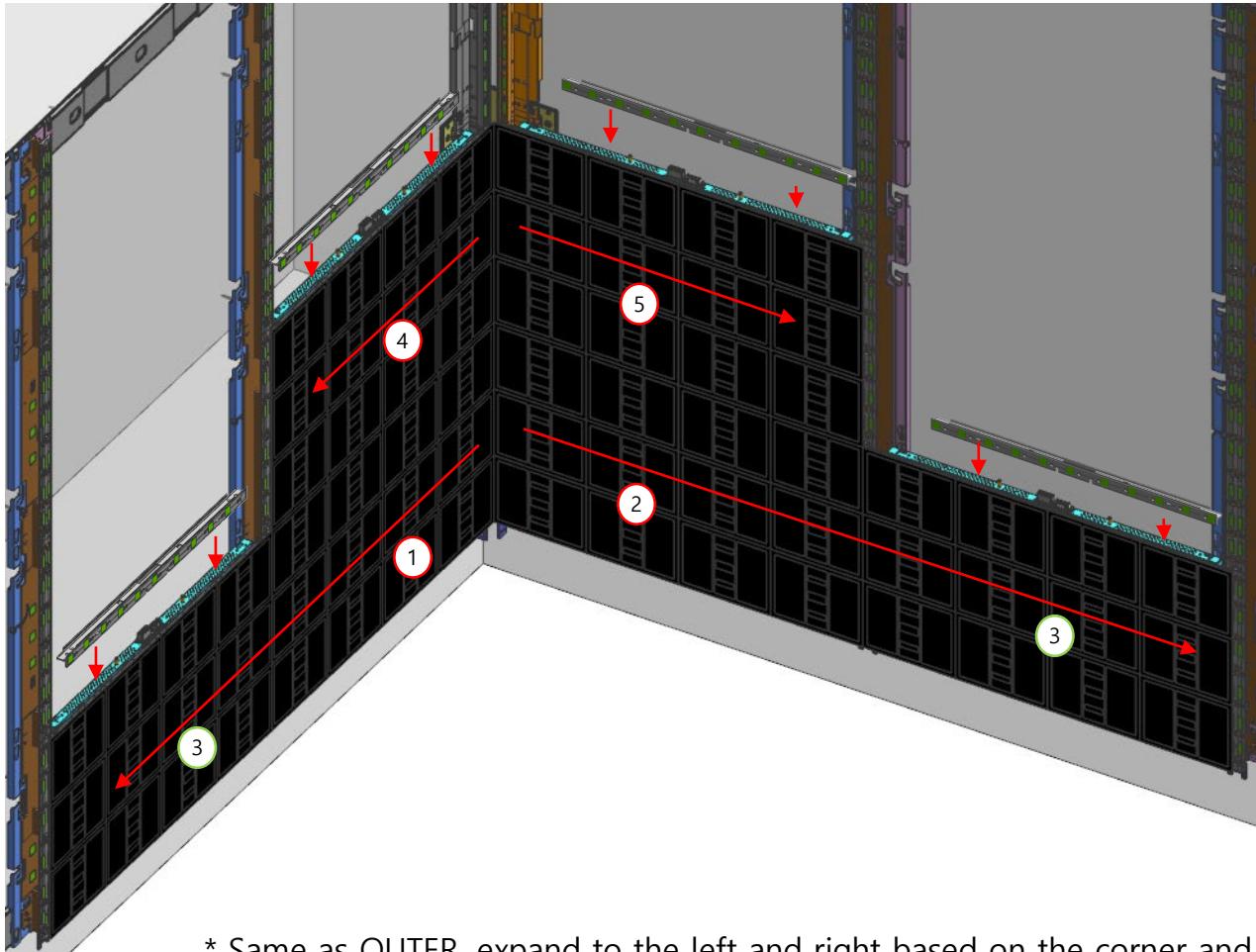


360 degree = 0.7mm

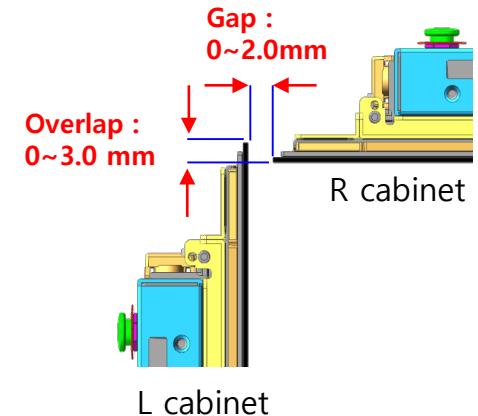
Cabinet + Frame Installation (INNER L)

③ The rest can be performed in the same way as the CABINET installation in BASIC FRAME.

* For BASIC installation, refer to the IWA / IFA installation manual.

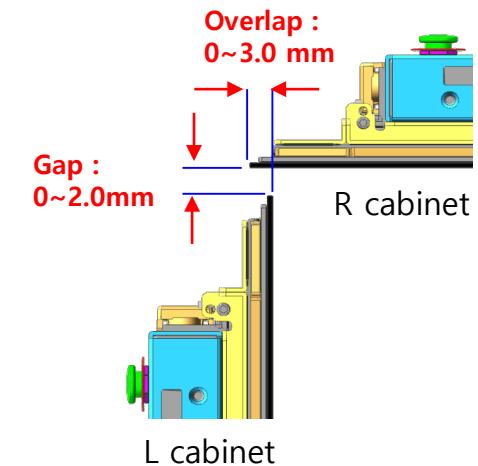


※ Corner Part (Top view)



L cabinet

※ When installing as opposed to viewing angle / installation environment
- > Refer to P37 for installation specifications.



L cabinet

* Same as OUTER, expand to the left and right based on the corner and install

4) Appendix

1. Flat and L-Type installation with Curved Frame

Curved Frame Installation (FLAT type)

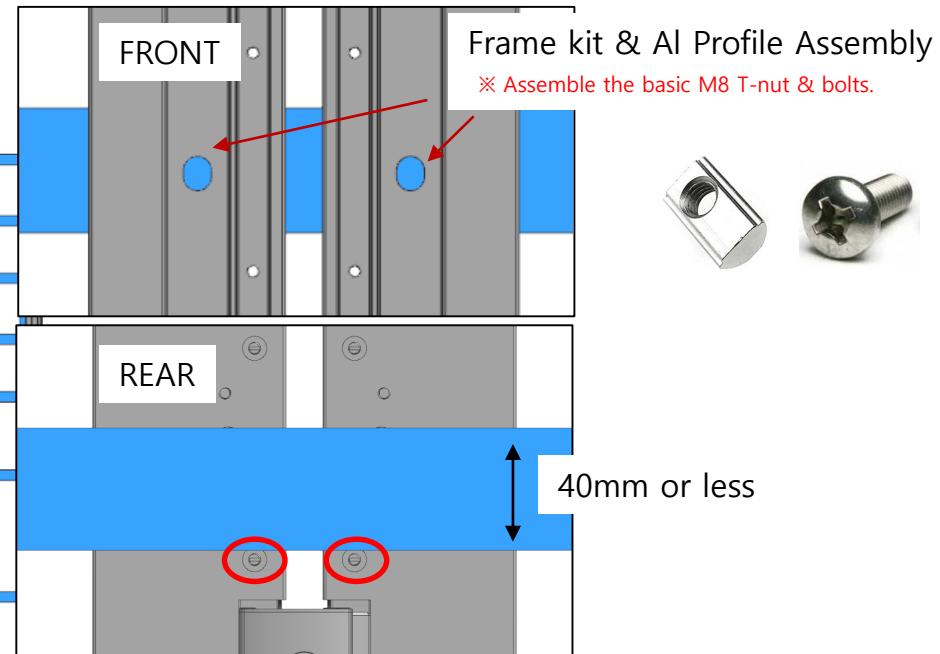
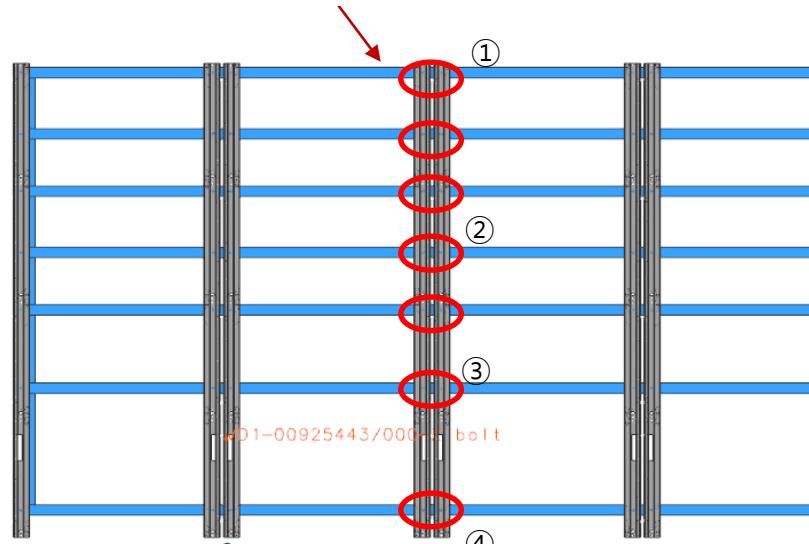
* FLAT Installation

FLAT can be installed using the existing shipment status.

Set the profile thickness to 40mm or less so that the controller is not covered after installation.

Horizontal bar: 40X40 Al Profile

※ Only 3 ~ 4 out of 7 can be applied.

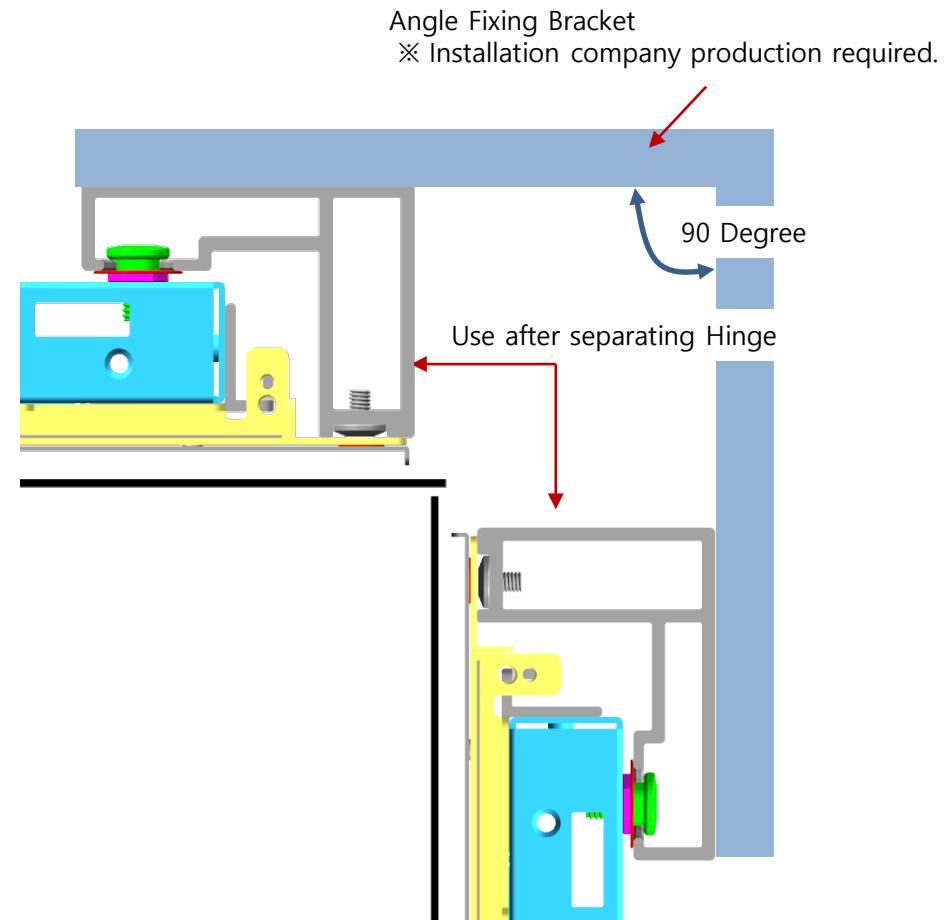
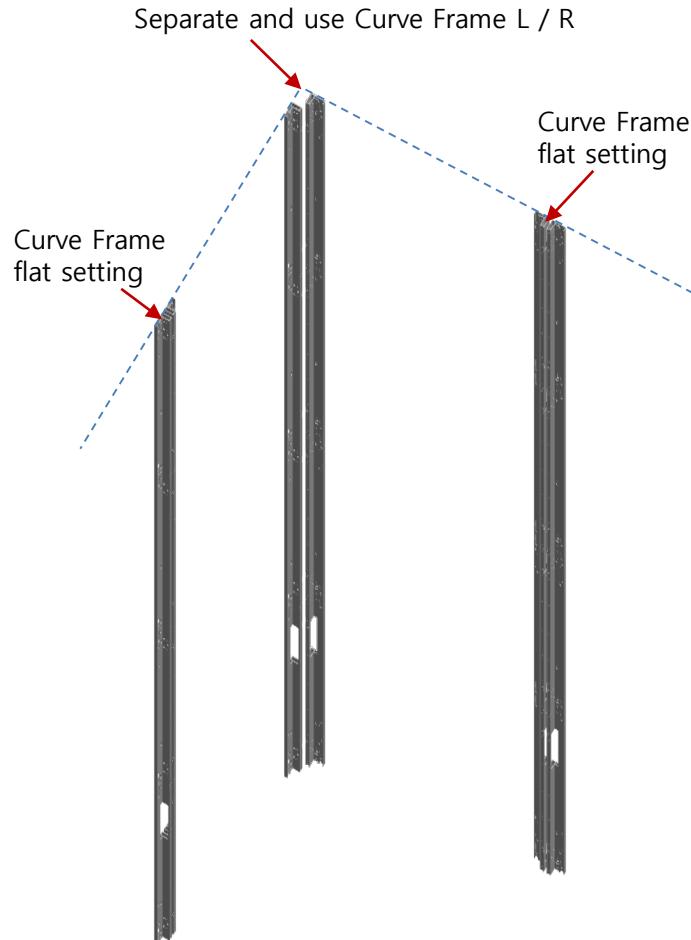


Curved Frame Installation (INNER L type)

* INNER L Installation

The HINGE of the ASSY FRAME H can be separated and used in the form of INNER L.

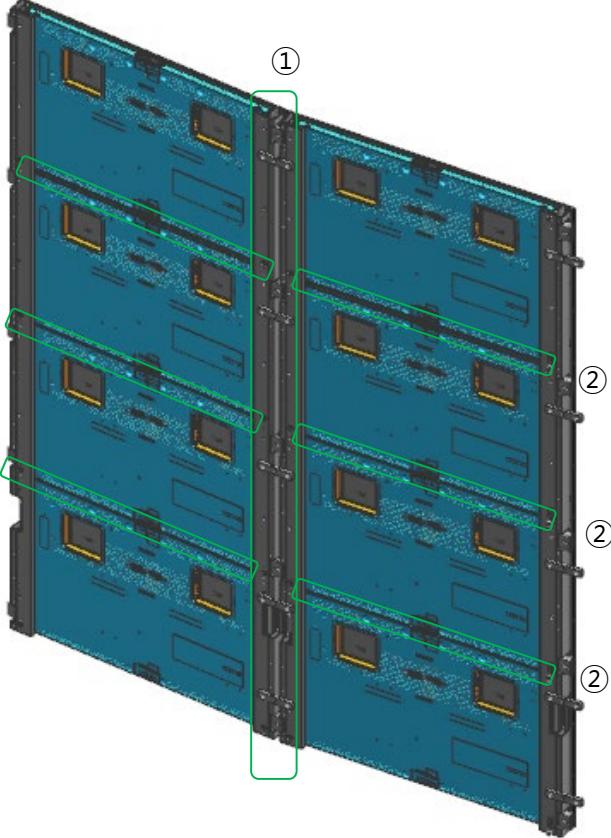
Only the rear service installation is available and Inner L Frame (VG-LFAI4SLW) is used when installing the front service.



2. Precautions for Curved Frame Structures

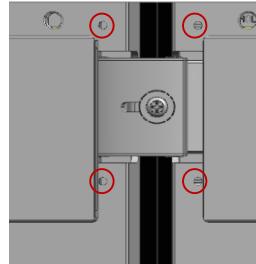
※ Precautions When Creating Installation Structures (Curved Frame)

1. CURVED can be made by escaping the rear control part.

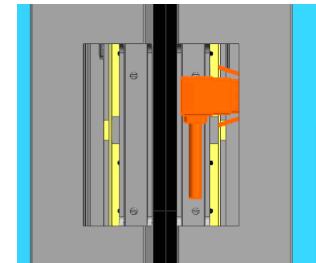


1. Vertical zone

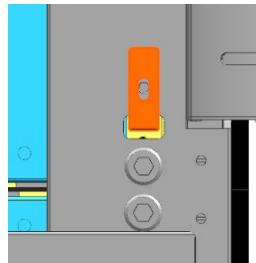
vertical step adjustment bolt



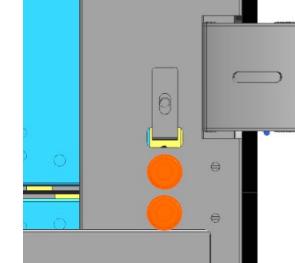
Power socket
(1 socket apply per 3~4 cabinets)



Module loading prevention bracket
(2 corners under the cabinet)

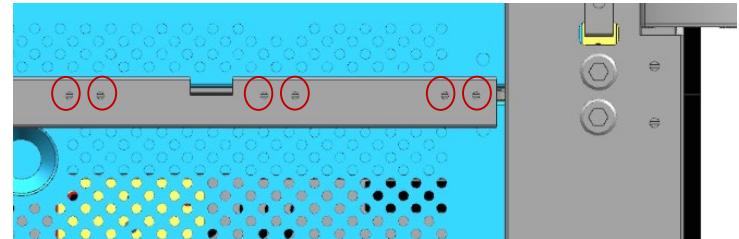


Module separating bolt
(4 points per cabinet corner)



2. Horizontal zone

Horizontal step adjustment bolt



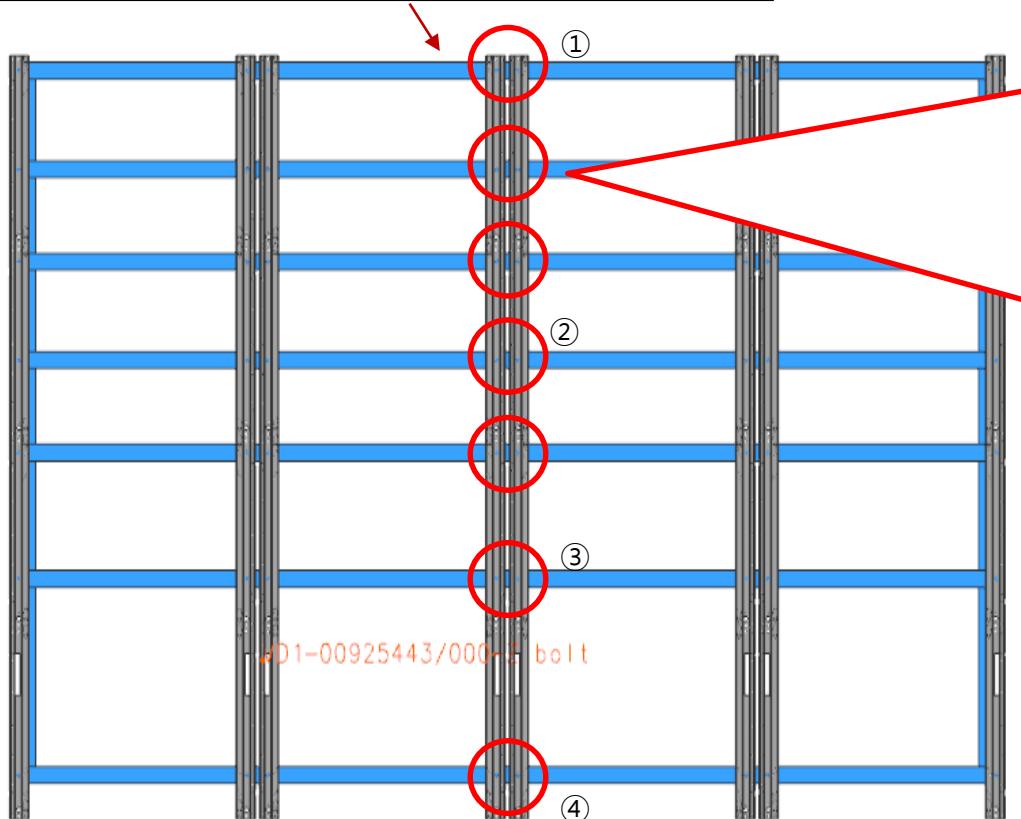
※ Precautions When Creating Installation Structures (Curved Frame Flat Type)

1. The Curved Frame Kit is assembled with a horizontal AI Profile.

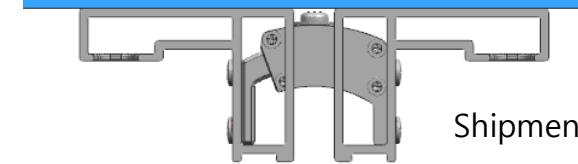
* The horizontal AI profile does not need to be assembled at all fasteners, but can be partially applied.

Frame kit is assembled with a horizontal AI Profile.

※ When installing 4X4, only 3 ~ 4 points out of 7 points are required.



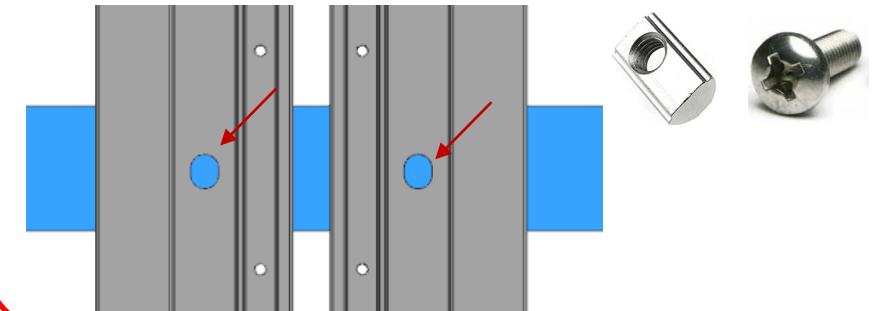
40x40 AI Profile



Shipment status: FLAT

Frame kit & Profile assembly

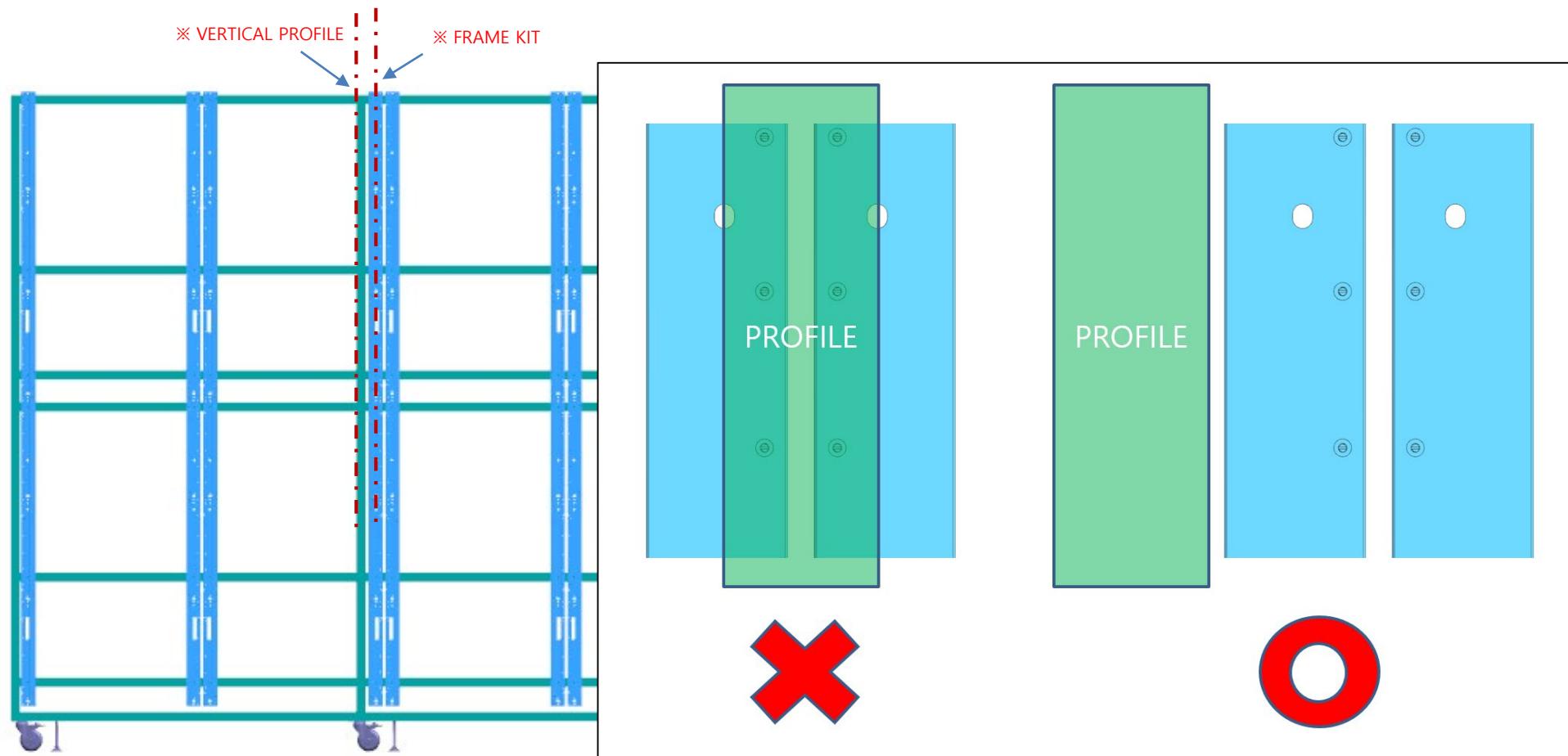
※ Assemble the basic M8 T-nut & bolts.



※ Precautions When Creating Installation Structures (Curved Frame Flat Type)

2. Vertical PROFILE is produced on a line different from FRAME KIT.

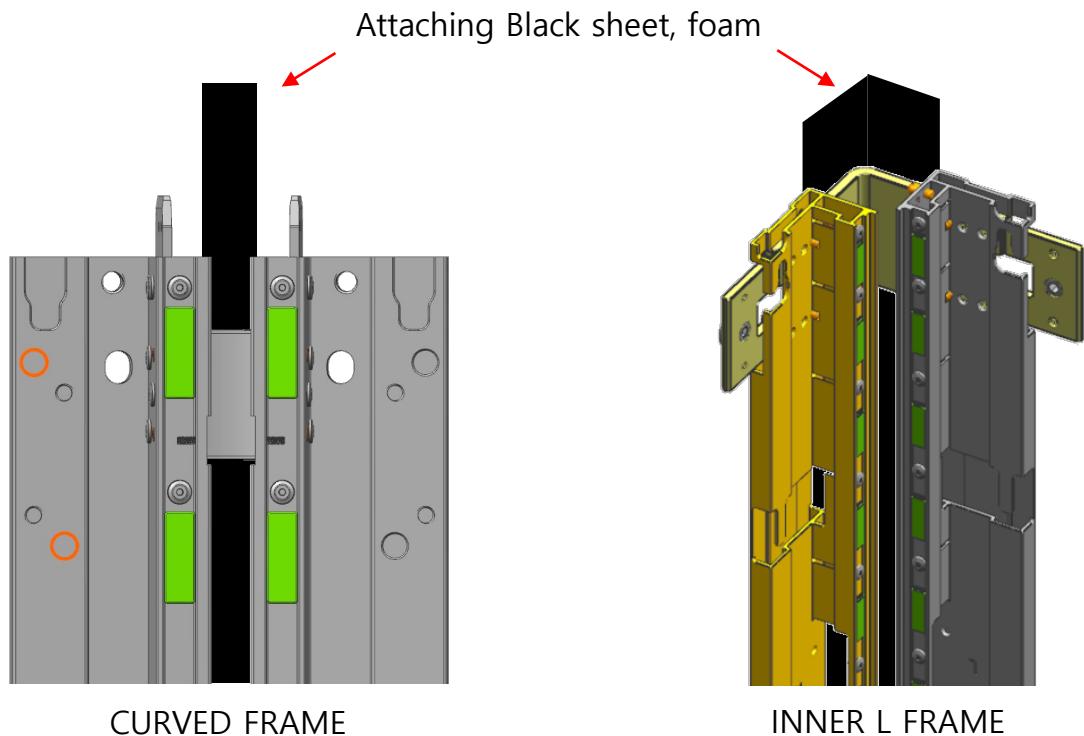
* Interference prevention during back service



※ Prevent light leakage on the back of screen

Necessary work to prevent light leakage behind the screen

1. Installation structure fixtures (aluminum profile, etc...), black paint application
2. Blacking the space between cabinets (Attaching Black sheet, foam, etc...)



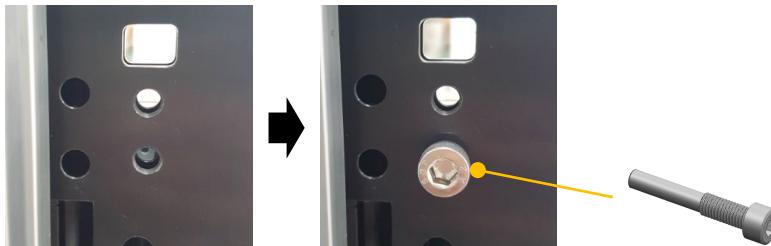
3. Module Service

※ Precautions for Module Service

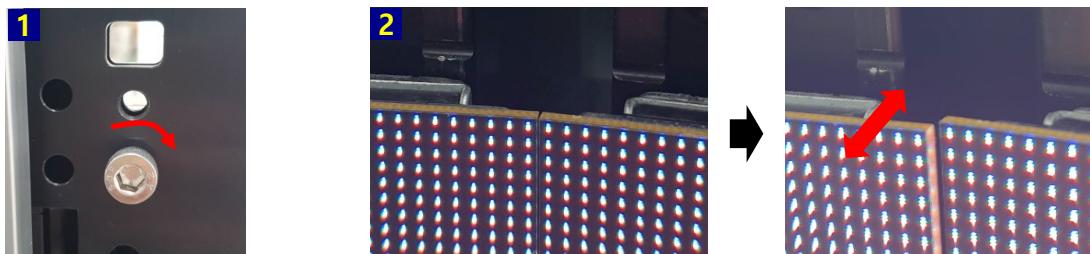
To prevent damage to the module, follow the steps below to perform the service.

* **Reinstall must be attached using a bolt in reverse order.**

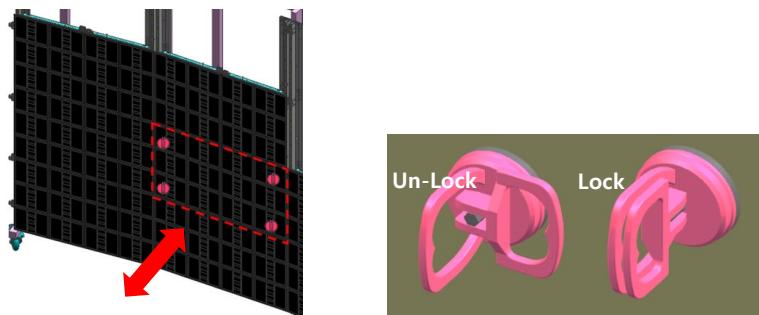
1. Insert the hexagonal bolts provided as accessories into the rear of FRAME.



2. Rotate the bolt to push out the module to disassemble it.



3. Disassemble the module using an adsorber.



4. Frame Code

Frame Code

제품	유형	구분	구성	모델코드
Frame kit (이형)	Curved	Curved-type	2단	VG-LFAC2SCW
			3단	VG-LFAC3SCW
			4단	VG-LFAC4SCW
		Curved Jig	1단	CY-WJAPWC
	L-type	Inner L-type	4단	VG-LFAI4SLW
		Outer L-type	4단	VG-LFAO4SLW

5. Special Installation Case

Stacking Installation

Stacking

1. Stacking is installed in general structures except for wall hangers. (Fig.1)
2. Flat and Curved Frame Kit can be responded to and selected according to installation conditions.

*** Installation number is recommended to be 5x5 or less (Vertical Frame Extension X)**

- In the case of Flat Frame Kit, Bezel can be applied.
- In the case of Curved Frame Kit, Bezel cannot be applied.

3. Install the frame kit fixed to the stand-type structure. (Manufactured by installer (SI))

- For the Curved Frame structure, refer to the "Caution" guide (P.48-54).
- The structure is recommended to use an extrusion profile (Section 40x40mm).
- Fixed structure with ground or close walls is required to prevent fell down.
- Install the screen so that it is perpendicular to the ground.
- Refer the figure below for the fixed point between FRAME and the structure. (based on 4x4). (Fig.2)

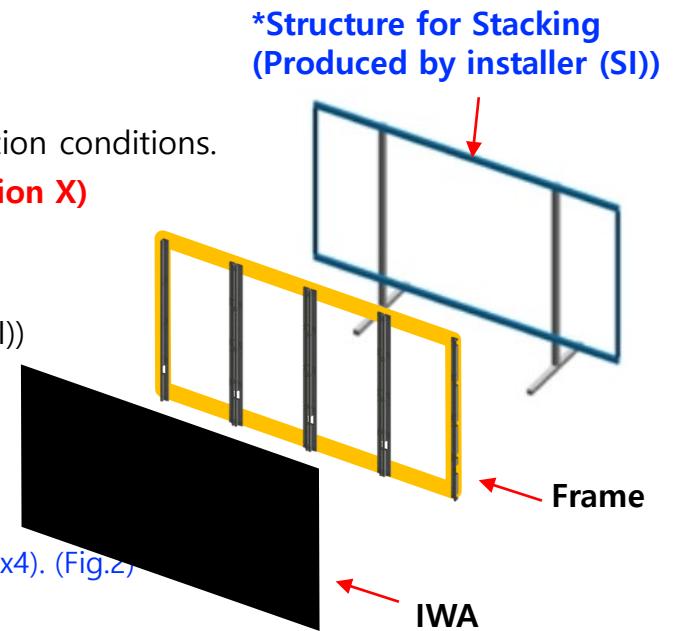


Fig.1 Concept of Stacking

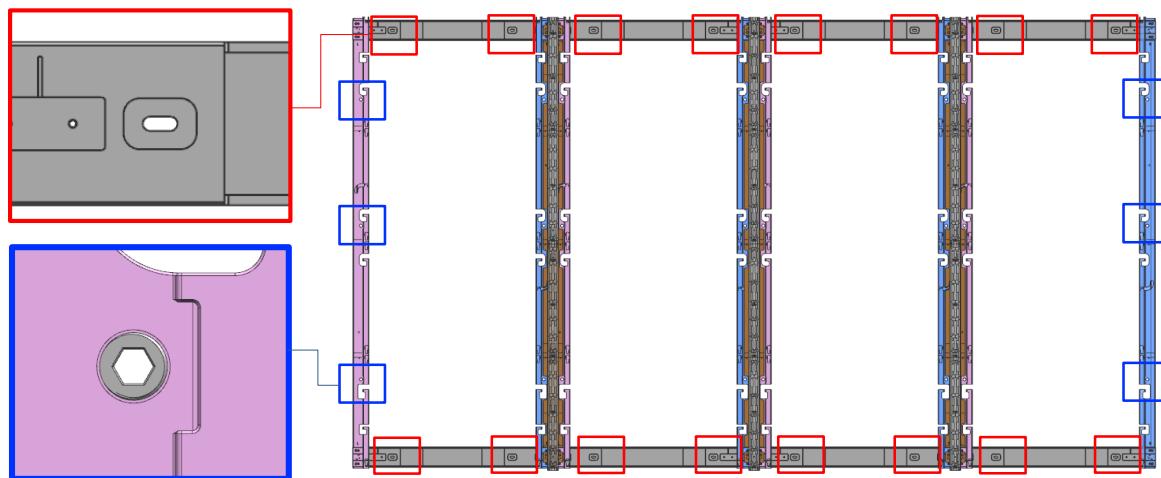


Fig.2 Frame + Fixed point of structure

Moving Installation

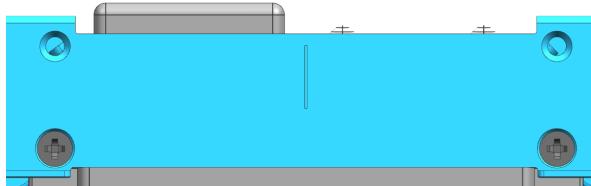
Accessory required for separate sale
* Refer to the reference for item and quantity

Moving

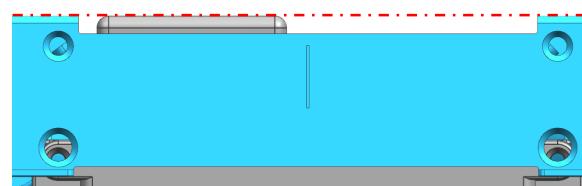
1. Responding to the moving structure by installing rails or wheels in the stacking structure.
 - When selecting rail or wheel, considering the total load including the structure. (Fig. 1)
 - Refer to [Ref. 1](#) table for SET load for each model.
2. To prevent gap due to vibration, apply BRACKET-SUPPORT and SUB to the top side.



- Refer to <Refer. 2> table for the required quantity for each part.
- The upper Bezel needs to be applied as FRAME-BEZEL BOTTOM.
 - ※ Purpose of interference escape with BRACKET-SUPPORT SUB.
- After removing SCREW, the upper CABINET DOCKING does not protrude from the outside of FRAME as shown in the figure.
 - ※ If not applied, GAP may occur between BEZEL and module.

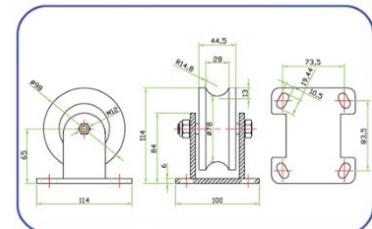


UPPER CABINET DOCKING (Normal)



UPPER CABINET DOCKING (Moving)

▪ Reference



품번	품명	베어링	허용하중
HC-130	HC-PUR	6301	300

**Fig.1 Rail or Wheel Spec
(Maximum Load)**

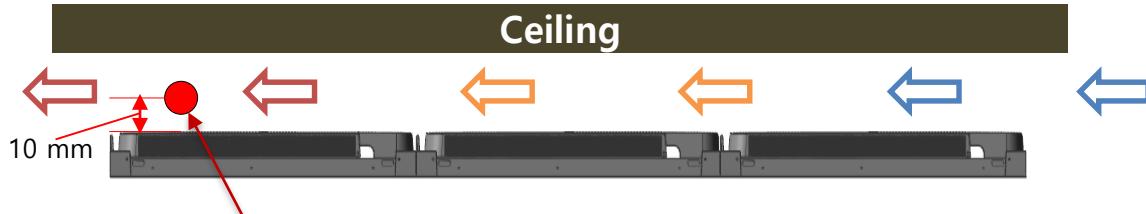
3. The speed of the structure is limited to be 0.2 m/s or less, and the vibration is limited to 0.1 g or less. (1g = 9.8m/s²)

Ceiling Installation

Accessory required for separate sale
* Refer to the reference for item and quantity

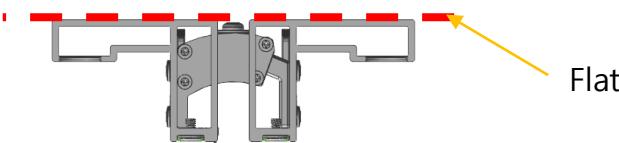
Ceiling

1. Installation is possible only under limited conditions. (Management of temperature below 30 °C is required)



It shall be managed with air conditioning devices, etc. so as to be below 30°C

2. Install the ceiling using the curved frame as a flat state. (Refer to page 29).



3. Apply some structure between the ceiling and the curved frame.

- For the Curved Frame structure, refer to the "Caution" guide (P48-54).
- For details, contact technical sales.



Ceiling Installation

4. To prevent module departure, assemble the safety wire and install it in the frame.
- Refer to <Ref. 2> table for the required quantity of wire.



Fixing Safety Wire and Module using M3, L6 BH Screw

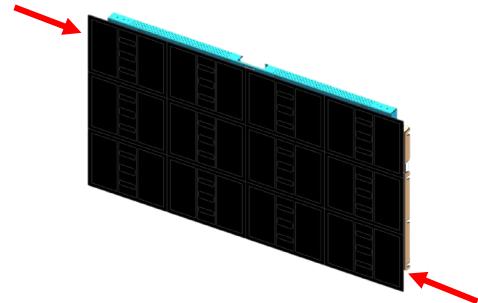


Remove the screw (FH, M3).

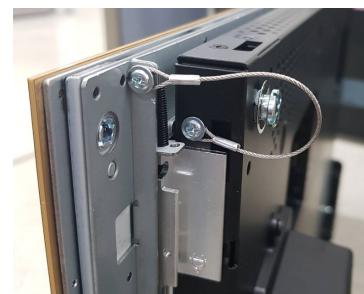


Using M3, L6 BH screw
Fixing Safety Wire and BRACKET-FRAME

* Screw is enclosed with Wire.



Top



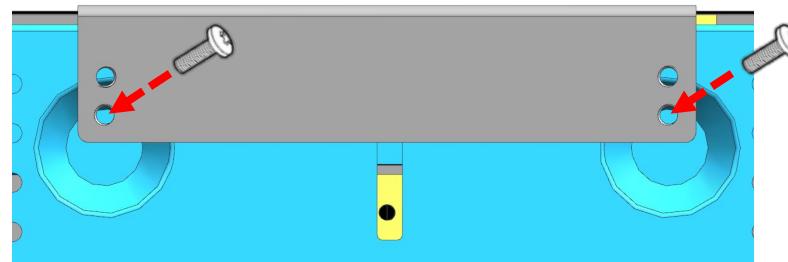
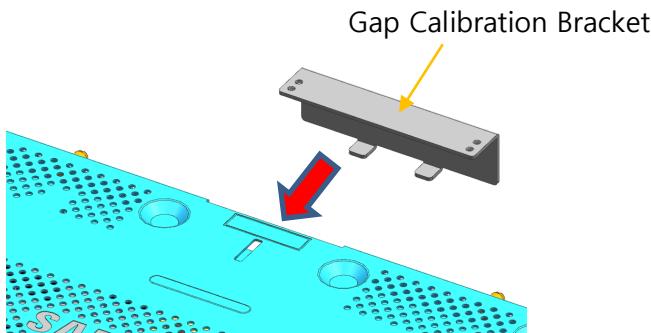
Bottom



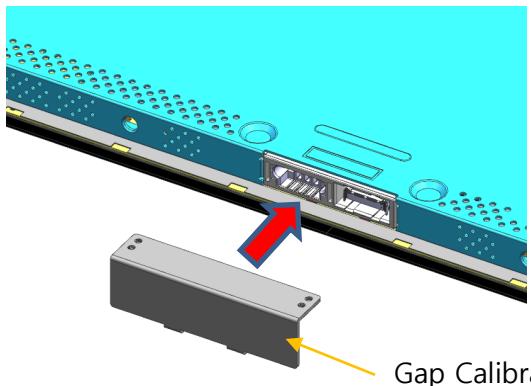
Ceiling Installation

5. After installing all the cabinets in the frame kit, assemble the bracket at the top/bottom center.

- After inserting the bracket, fix it using screws (M4 and L6).
- Push the top docking part inward to fix it.
- Refer to <Ref. 2> table for the required quantity of brackets.



Top



Bottom

Ceiling Installation

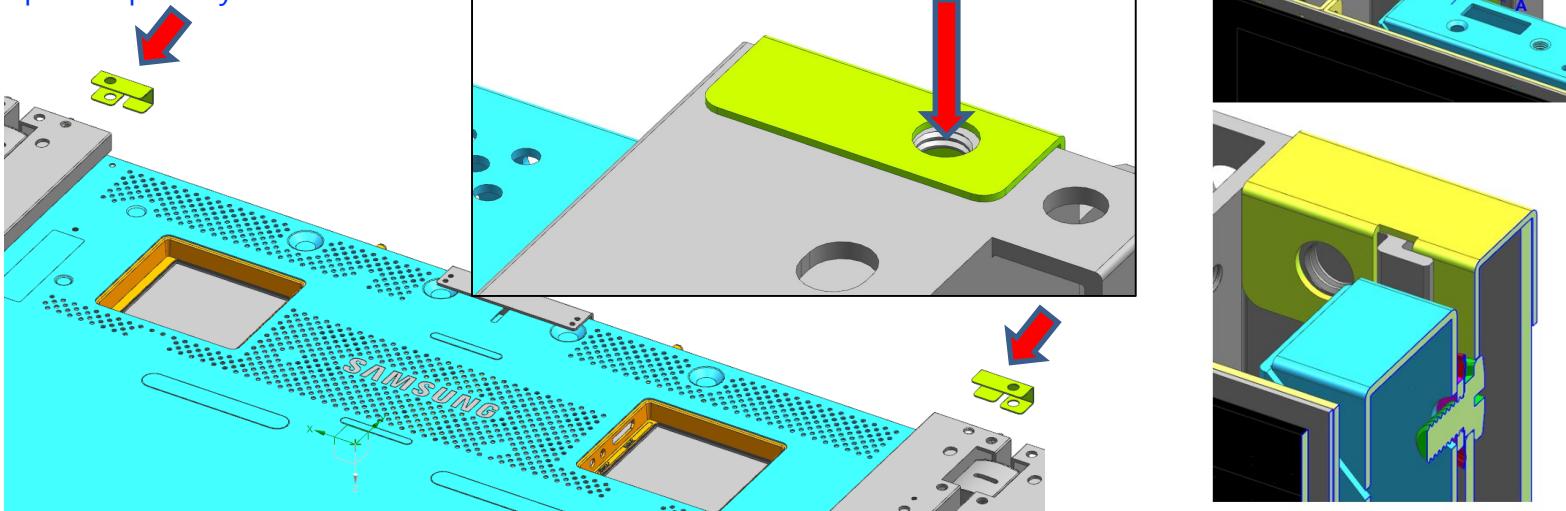
6. Assemble the bracket to the frame kit to prevent Cabinet drop.

- **Anti-drop bracket is applied only to the top.**

- Fix with SCREW (BH, M6, L10)

- Refer to <Ref. 2> table

for the required quantity of brackets.



7. To prevent gap due to vibration, apply BRACKET-SUPPORT and BRACET-SUPPORT SUB at the top

- Refer to <Ref. 2> table for the required quantity for each part.



BRACKET SUPPORT



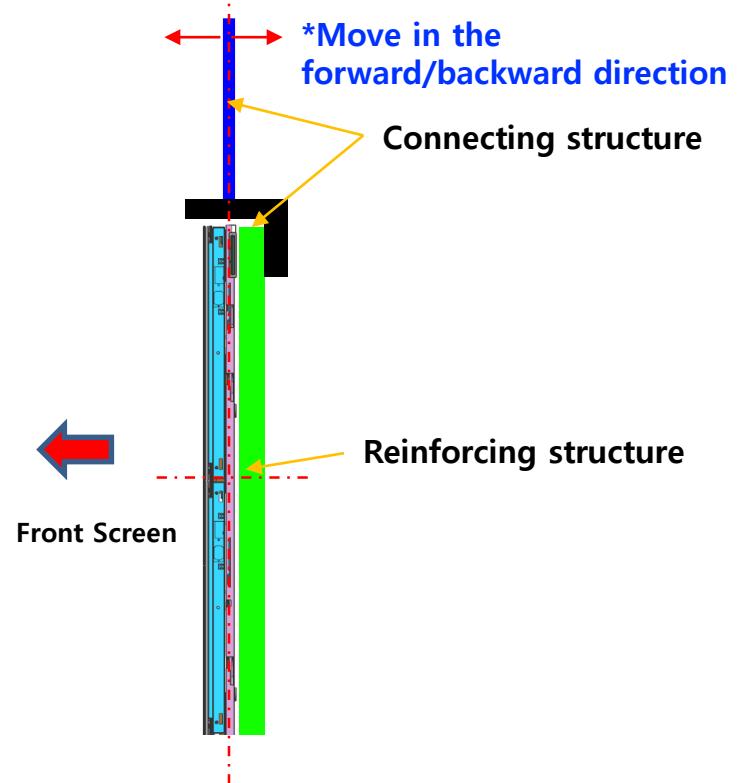
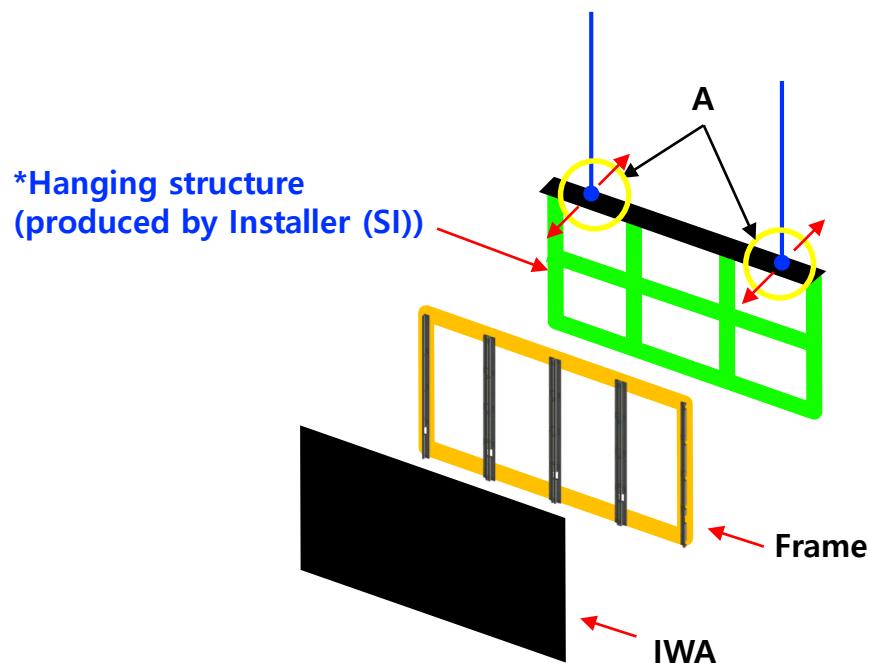
BRACKET SUPPORT
SUB

Hanging Installation

Hanging

1. Hanging is installed by attaching a frame kit to a profile structure (produced by installer(SI)).
 - The profile structure need to consider the product load. (Designed by installer (SI)).
 - Load design by referring to Frame or Cabinet weight information (61Page)
 - Install the screen so that it is perpendicular to the ground (Adjusted through weight center movement)

* To adjust the center of gravity, move the connecting structure forward and backward.



<Ref. 1> Weight information

Flat Frame Kit	Set Weight [Kg] ± 5 %	Curved Frame Kit	Set Weight [Kg] ± 5 %
VG-LFA33SWW	23.8	VG-LFAC2SCW	14.4
VG-LFA44SWW	39.9	VG-LFAC3SCW	21.8
VG-LFA55SWW	61.0	VG-LFAC4SCW	29.3
VG-LFAH1SWW	4.5	CABINET (IWA)	11.2
VG-LFAH2SWW	8.3	CABINET (IFA)	12.0
VG-LFAV1SWW	7.1		
VG-LFAV2SWW	15.0		
VG-LFAV3SWW	23.8		
VG-LFAV4SWW	32.0		
VG-LFAV5SWW	40.8		

<Ref. 2> Additional Accessory by Installation Type

※ The following parts need to be purchased separately.

		Figure	Q'ty
Moving	Bracket-Support		A x 2
	Bracket-Support SUB		A x 2
	Frame Bezel Bottom Single		(Case1. A=Even) 0 (Case2. A=Odd) 1
	Frame Bezel Bottom Double		(Case1. A=Even) A/2 (Case2. A=Odd) (A-1)/2
	Screw (FH,+,M4,L8)		A x 2
Ceiling	Safety Wire		(A x B) x 2
	Gab 보정 Bracket		A x 2
	이탈방지 Bracket		A x 2
	Screw (BH,+,M3,L6)		(A x B) x 4
	Screw (BH,+,M4,L6)		A x 4
	Screw (BH,+,M8,L)		A x 2

