

The logo for Yardcom, featuring the word "YARDCOM" in a bold, sans-serif font. The background of the entire page is a light gray with a pattern of overlapping, rounded, organic shapes in a slightly darker shade of gray.

YARDCOM

GREAT WALL CLADDING

INSTALLATION INSTRUCTIONS

Installation Instructions for Great Wall Cladding (Aluminum Alloy Joist, Horizontal Installation)

- **Key Point:** Before commencing construction and installation, please thoroughly review these installation instructions for the Great Wall Cladding.
- **Note:**
 - 1、The content in this installation instructions is for reference only.
 - 2、The use of Yardcom product profiles must adhere to local laws, regulations, and building installation and construction standards.
 - 3、Users must assume all risks and responsibilities associated with the use of this guide on their own.

Installation and Usage Tools:

Standard woodworking tools such as power saws (table and handheld), impact drills, and electric drills are required; our company commonly uses diamond saw blades.

Installation Safety Precautions:

Operators must possess safety awareness, utilize safe and qualified construction equipment, wear appropriate protective gear, including cut-resistant gloves and dust masks.

Profile Application Structure:

Yardcom product profiles should not be utilized independently for beams, columns, or other load-bearing structures; they must be combined with complementary profiles from load-bearing structures.

Construction and Installation :

Before utilizing Yardcom product profiles, it is essential to create accurate on-site drawings to ensure proper profile coordination and precision in dimensions, thereby minimizing unnecessary material waste and labor downtime during construction.

Storage Environment for Profiles:

Yardcom product profiles must be stored on a flat, hardened surface to prevent direct contact with the ground and to avoid prolonged exposure to damp or waterlogged areas, thereby reducing the risk of deformation.

Environmental Adaptation for Profiles:

Before local installation and construction, Yardcom product profiles must be acclimated to the local environment for 48 hours to stabilize thermal expansion and contraction. This process ensures that the profiles are ready for use and helps prevent installation inaccuracies due to significant temperature differences between the origin and the installation site.

Board Installation Foundation:

Yardcom wall cladding must not be directly affixed to the base surface; instead, keel systems should be utilized to facilitate proper drainage of rainwater within the panels and to maintain their dryness. The clearance between the wall cladding and the base surface should be 30 mm.

- **Attention:**When securing Yardcom wall cladding with visible nails, pre-drilled holes must be made. These holes should not be more than 1 mm smaller in diameter than the nail shank. Additionally, the distance from the nail locations to any edge of the wall cladding must be at least 10 mm.

Table: Surface Temperature and Thermal Expansion Coefficient of Wood-Plastic Composite Profiles – Length Gap Guidance Parameters (mm)

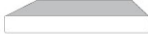
Profile length (M)	Surface Temperature of Profiles During Installation /°C (Applicable to ambient temperatures that result in panel temperatures ranging from -30 to 60°C, with an allowable deviation of ±5°C)																
	-30	-20	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60
0.5	1.9	1.7	1.5	1.3	1.3	1.2	1.1	0.9	0.8	0.8	0.7	0.5	0.4	0.3	0.3	0.1	0.0
1	3.8	3.4	2.9	2.8	2.5	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.8	0.7	0.4	0.3	0.0
1.5	5.7	5.0	4.5	4.1	3.8	3.4	3.2	2.9	2.5	2.2	1.9	1.6	1.3	0.9	0.7	0.3	0.0
2	7.6	6.7	5.9	5.5	5.0	4.6	4.2	3.8	3.4	2.9	2.5	2.1	1.7	1.3	0.8	0.4	0.0
2.5	9.5	8.4	7.4	6.8	6.3	5.8	5.3	4.7	4.2	3.7	3.2	2.6	2.1	1.6	1.1	0.5	0.0
3	11.3	10.1	8.8	8.2	7.6	7.0	6.3	5.7	5.0	4.5	3.8	3.2	2.5	1.9	1.3	0.7	0.0
3.5	13.2	11.8	10.3	9.6	8.8	8.1	7.4	6.6	5.9	5.1	4.5	3.7	2.9	2.2	1.5	0.8	0.0
4	15.1	13.4	11.8	10.9	10.1	9.2	8.4	7.6	6.7	5.9	5.0	4.2	3.4	2.5	1.7	0.8	0.0
4.5	17	15.1	13.3	12.3	11.3	10.4	9.5	8.5	7.6	6.6	5.7	4.7	3.8	2.9	1.9	0.9	0.0
5	18.9	16.8	14.7	13.7	12.6	11.6	10.5	9.5	8.4	7.4	6.3	5.3	4.2	3.2	2.1	1.1	0.0
5.5	20.8	18.5	16.2	15.0	13.9	12.7	11.6	10.4	9.2	8.1	7.0	5.8	4.6	3.4	2.4	1.2	0.0
6	22.7	20.2	17.6	16.4	15.1	13.9	12.6	11.3	10.1	8.8	7.6	6.3	5.0	3.8	2.5	1.3	0.0

Additional Explanation:

1. The table above is derived from the linear expansion coefficients obtained through third-party material testing. As a reference guide, it indicates that for every 1m length of panel, a temperature change of 1°C results in an expansion or contraction of approximately 0.042mm.
2. The temperatures indicated in the table refer specifically to the surface temperatures of the profiles (sheets), not the ambient air temperature. It is recommended to measure these temperatures using a handheld infrared thermometer. The "gap" parameters provided in the table pertain to the linear distance between the ends of two adjacent profiles (sheets) in the lengthwise direction.

3. For areas of profiles (sheets) that require direct screw fastening, it is mandatory to pre-drill holes before the screws are installed.
4. A single connecting clip used to secure Great Wall Cladding should not be used to fix more than two panels.
5. When installing more than one Great Wall Cladding in the lengthwise direction, double keels must be utilized at the joist between the panels. The overhang of the panel beyond the keel should typically not exceed 100 mm.
6. Example of lengthwise installation gap: When installing boards that are 3.5 meters per piece, if the surface temperature of the board during installation is measured at 16° C, and considering the local annual climate characteristics with an assessed maximum board temperature of 60° C (with an allowable deviation of $\pm 5^{\circ}$ C), the installation should leave a gap of 5.9–6.6mm between the adjacent ends of the boards in the length direction, as referenced from the table above.
7. Special Climate Reference: The table above lists scenarios with surface temperatures of profiles (panels) up to 60° C ($\pm 5^{\circ}$ C), which cover the majority of general use cases. For more unique environmental conditions, installers should refer to the guidance that "for every 1 meter of panel length, a 1° C increase or decrease results in an expansion or contraction of approximately 0.042mm" to determine reasonable installation gaps.
8. General Statement: The linear expansion coefficient of our company's profiles (panels) complies with European and American standards, which serves as a guide for installation gaps. However, this coefficient is specific to the impact of temperature on the lengthwise expansion and contraction of unfixed profiles (panels) in a free state and does not account for all environmental factors in practical applications. Therefore, if a user has experienced reasonable installation gap cases with WPC products primarily made of HDPE in their specific environment, and these have been long-term verified without quality risks due to shrinkage or expansion, and there are discrepancies with the comparison table provided by our company, users may adopt their own "reasonable installation gap plan" that has been proven suitable for local conditions.

Table of Great Wall Cladding Materials

Profile name	Model	Material	Diagram	Specifications (mm)	Uses
Great Wall Cladding	HLYC-018F	WPC		155*24	Flat decoration
Designer Outer Corner Trim	HLYC-015F	WPC		98.5*98.5	Great Wall Cladding horizontal external corner decoration
Designer inner Corner Trim	HLYC-016F	WPC		68.5*39	Great Wall Cladding horizontal internal corner decoration
Designer Butt Joint Trim	HLYC-013F	WPC		89*38.5	Great Wall Cladding horizontal splicing decoration
Designer F-Trim	HLYC-014F	WPC		88.5*66	Great Wall Cladding horizontal end cap decoration
Decorative Board	HLSC-022B	WPC		18*184	Door and Window

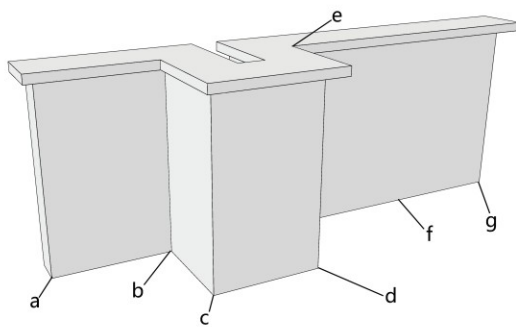
Great Wall Cladding Accessories List

Accessory Name	Model	Material	Diagram	Specifications (mm)	Uses
Hidden Fastening Clip	HLPM-103(J)	301 stainless steel		50*28.4*13.9	Plate connection card
Support Block3	HLPP-054(C)	Rubber		ΦM20*7.5	Great Wall Cladding horizontal Support blocks
Plum Blossom Groove Countersunk Self-Tapping and Self-Drilling Screw -Color screws-	HLPM-115 (I)	410 stainless steel		M5-34.29	This screw is specifically designed for use with Great Wall Cladding as visible nails and auxiliary strip nails (T25 head)
Plum Blossom Groove Cylindrical Head Self-Tapping and Self-Drilling Screw	HLPM-118 (I)	410 stainless steel		M5-25.4	This screw is used for Great Wall Cladding card retaining nails and rubber pads fixing (T25 head).
Plum Blossom Groove Countersunk Self-Tapping and Self-Drilling Screw	HLPM-119 (I)	410 stainless steel		M4-38.1	This screw is used for Great Wall Cladding as lock plate nails (T15 head)
Plum Blossom Groove Countersunk Self-Tapping and Self-Drilling Screw -Color screws-	HLPM-120 (I)	410 stainless steel		M5-57.2	This screw is used for Great Wall Cladding U-shaped edge boards with exposed nails (T25 head)
Aluminum Alloy Joist	HLPM-093 (E)	Black coated aluminum alloy		60*40*1.2	The 60mm-wide joist can be installed with clip components
Aluminum Alloy Joist	HLPM-106 (E)	Black coated aluminum alloy		50*30*1.2	The 50mm-wide joist can be installed with clip components

Matters Needing Attention:

1. If additional materials not included in the accessories list are required for construction, please consult with the product installation and after-sales personnel in advance.
2. The center to center spacing of screws shall not exceed 400 millimeters. When the length of the edge banding board and the Great Wall board is less than 400 millimeters, at least 2 screws shall be used to fix them.
3. Reserve a gap of 5mm between the main material of the board and each auxiliary edge banding board after insertion.
4. The last panel on the top of the horizontal wall panel can be cut according to the actual situation on site, and wall panel gasket 2 HLPP-053 can be selected (C) Reinforce and stabilize the last wall panel at the top。

The base surface for wall Cladding installation



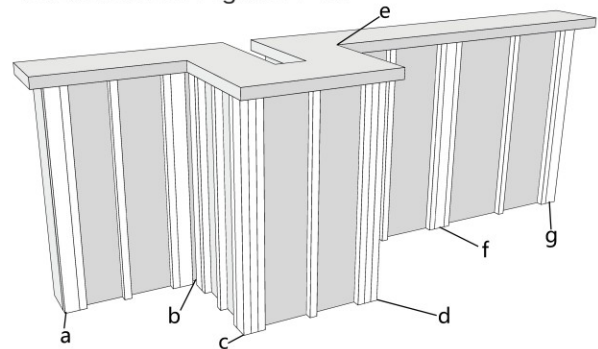
▲ Schematic diagram of grassroots surface

Matters Needing Attention:

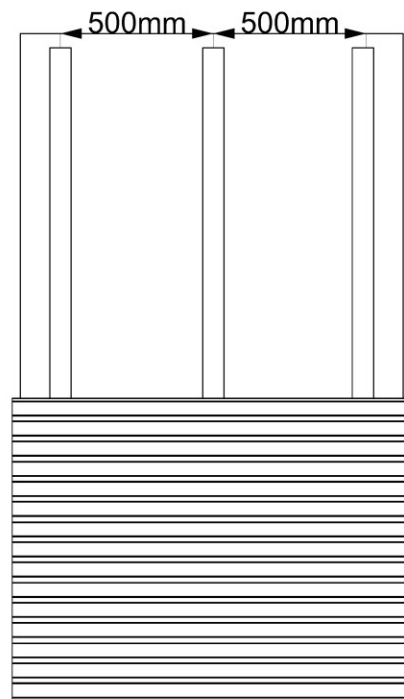
The base surface for wall panel installation must be flat and level.

2. The center-to-center distance between joists must not exceed 500 millimeters.

As shown in Figure 1-2:



▲ Figure 1-2

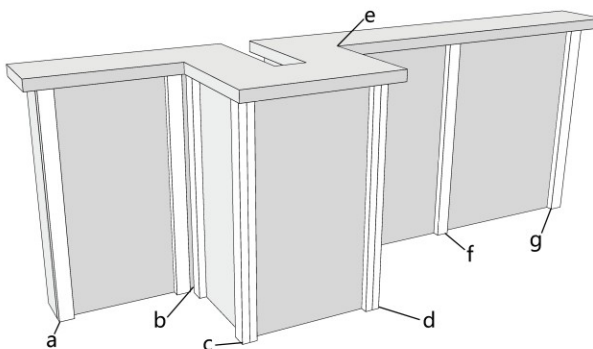


▲ Horizontal Layout

Installation of Great Wall Cladding Keels

1. Installation of joists for end caps, internal corners, and external corners.

As shown in Figure 1-1:

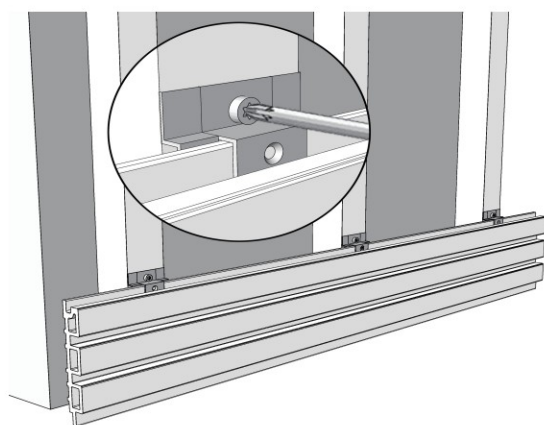


▲ Figure 1-1

Matters Needing Attention:

1. The joist should be installed to the bottom of the eaves.
2. To ensure effective drainage and ventilation between the wall cladding and the wall base surface, the installation surfaces of the joist come in two types: 60mm and 50mm. If clip components are to be installed on other joists, the clip installation surface of the joist must not be less than 50mm in width, and the thickness of the joist must not be less than 30mm. This installation instructions takes the 50mm thickness as an example.
3. Plastic expansion screws can be used for fixing the joist.

Diagram of Clip Installation



▲ Diagram of Clip Installation

Matters Needing Attention:

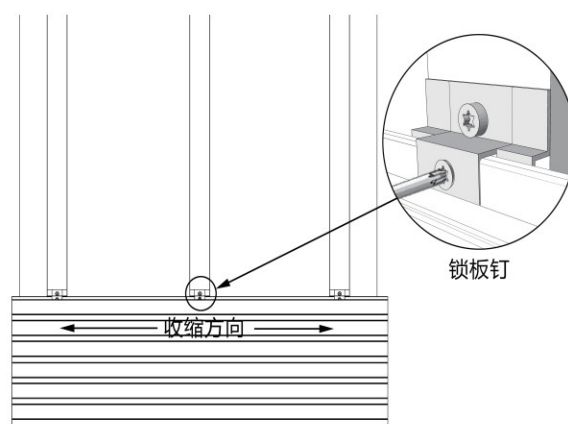
1. A clip must be installed on each joist to secure the Great Wall Cladding, with a maximum spacing of 500 millimeters between clips along the length of the cladding.
2. Depending on the length of the Great Wall Cladding and the climate and environmental conditions of the project location, lock plate nails can be standardized and uniformly installed at the starting end, middle, and tail end of the cladding.

3. When clips are used to fix the Great Wall Cladding, each panel must have a lock plate nail. The position of the lock plate nail is determined based on the actual thermal expansion and contraction of the material, typically at the starting end, middle, or tail end of the panel length, as shown in the following figure.

Schematic diagram of three installation methods for locking plate nails

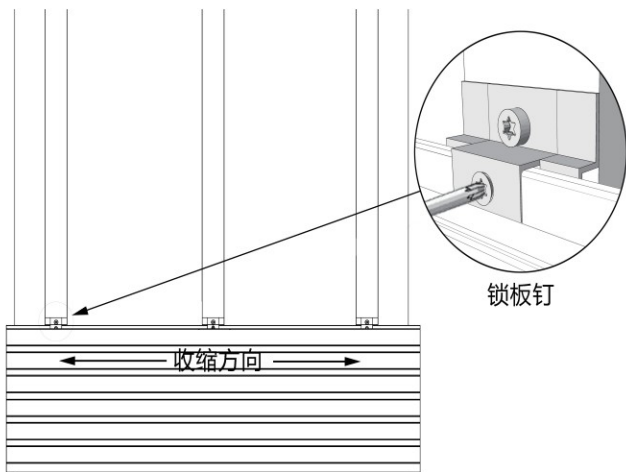
Matters Needing Attention:

1. When installing the card, it is necessary to insert the direction of the locking plate nail hole into the protruding part of the Great Wall Cladding.
2. If the length of the Great Wall Cladding exceeds that of a single panel, it is recommended to use an I-beam edge board for the connection in the middle.



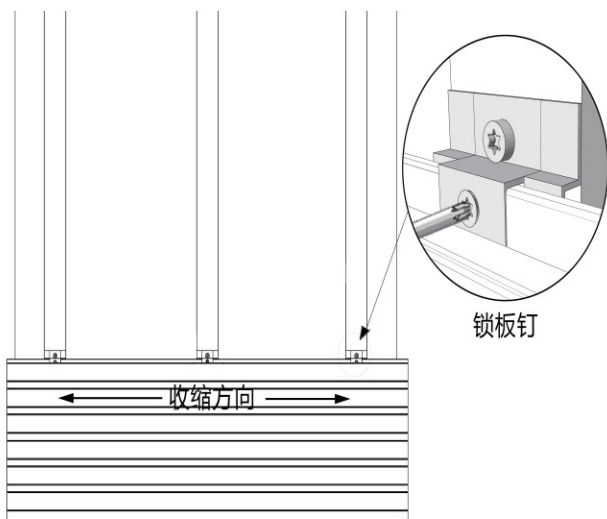
▲ Schematic diagram of installation method for the middle position of the locking plate nail

When the locking nail is positioned in the center, expansion gaps must be maintained on both sides of the Great Wall Cladding. The dimensions for these gaps should be referred from the "Lengthwise Gap Guidance Parameters (mm)" table.



▲ Schematic diagram of installation method for the starting end of the locking plate nail

When the locking plate nail is positioned at the tail end, an expansion gap must be left between the starting end of the Great Wall panel and the tail end of the preceding panel. The dimensions for this gap are detailed in the "Lengthwise Gap Guidance Parameters (mm)" table.



▲ Schematic diagram of installation method for the rear end of the locking plate nail

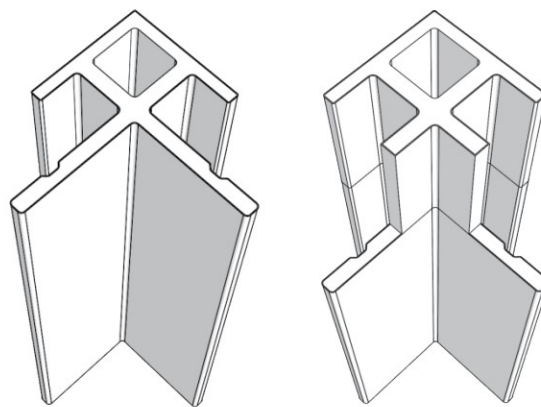
When the locking plate nail is positioned at the tail end, an expansion gap must be left between the starting end of the Great Wall panel and the tail end of the preceding panel. The dimensions for this gap are detailed in the "Lengthwise Gap Guidance Parameters (mm)" table.

Pre cutting work of edge banding board

1. Designer Outer Corner Trim (HLYC-015F)

Specifications (mm) : 98.5*98.5

Cutting size (mm) : 40*70

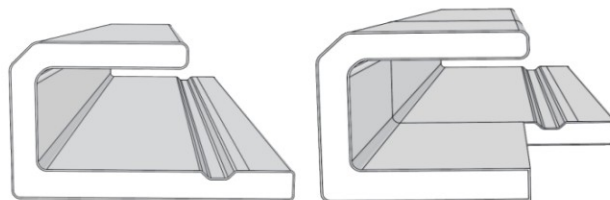


▲ Cutting on both sides

2. Designer inner Corner Trim (HLYC-016F)

Specifications (mm) : 68.5*39

Cutting size (mm) : 26*70

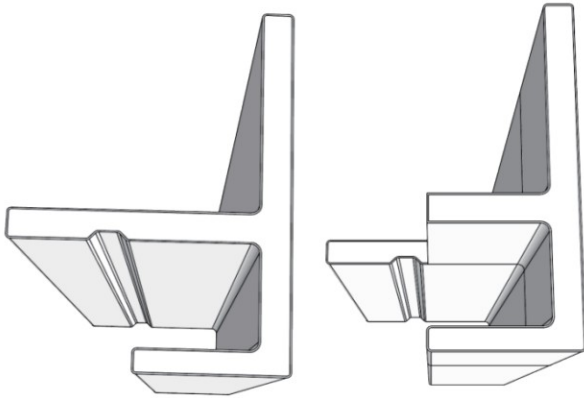


▲ For internal corner installation cut both pieces in opposite directions.

3. Designer F-Trim (HLYC-014F)

Specifications (mm) : 88.5*66

Cutting size (mm) : 30*70

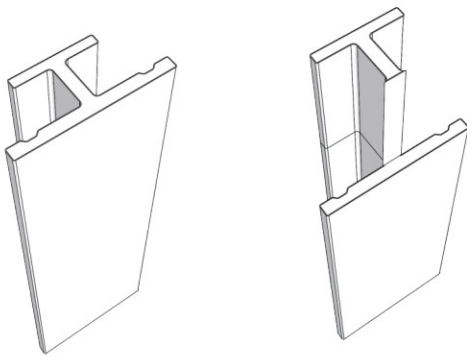


▲ When installing at the start or end cut each piece in the opposite direction

4. Designer Butt Joint Trim (HLYC-013F)

Specifications (mm) : 89*38.5

Cutting size (mm) : 9.5*70



▲ When installing wall cladding vertically using two or more claddings, HLYC-013F installation instructions are required

Matters Needing Attention:

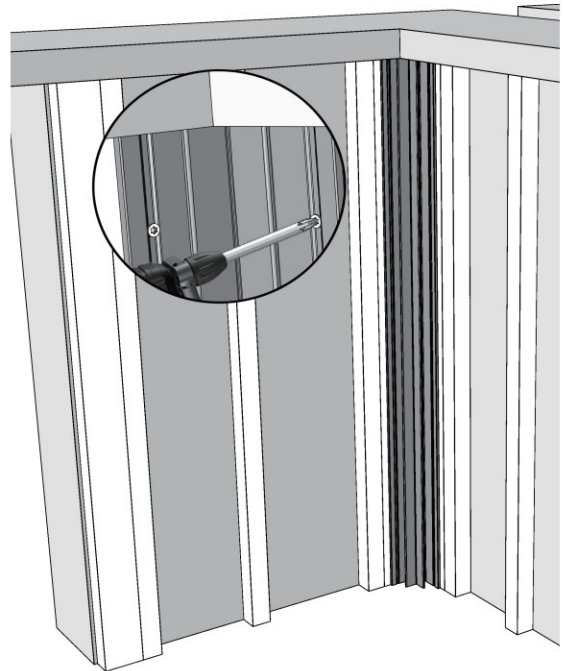
If HLYC-016F needs to be installed at the top, all three types of edge banding plates need to be cut. Before installation, each edge banding plate should be cut as shown in the above figure before installation.

Great Wall Cladding install

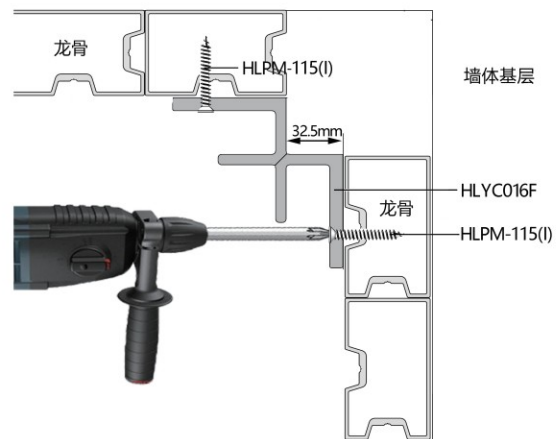
HLYC-016F install

1. Starting from the inner corner of the wall at node b, install the cut U-shaped edge banding plate HLYC-016F.

As shown in Figure 2-1 、 2-2:



▲ Figure 2-1



▲ Figure 2-2

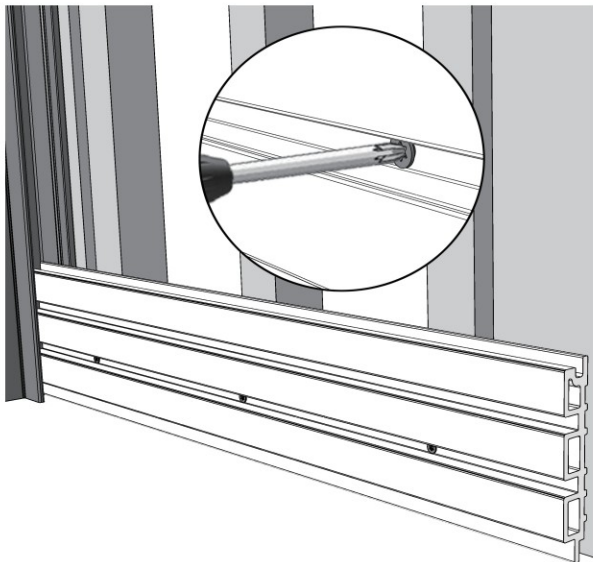
Matters Needing Attention:

1. Determine the size, the distance between the U-shaped edge banding plate HLYC-016F and the keel edge is 32.5 mm.
2. The center to center spacing of screws shall not exceed 400 millimeters. When the length of the U-shaped edge banding plate HLYC-016F is less than 400 mm, fix at least 2 screws HLPM-115 (I).

Great Wall Cladding install

1. Insert the Great Wall Cladding into the groove of HLYC-016F, then slide it down onto the wall cladding clips. Fix it in the bottom groove with the screws HLP-115(I).

As shown in Figure 3-1:



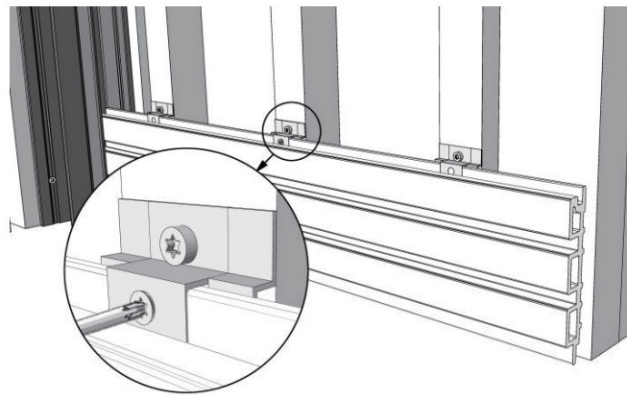
▲ Figure 3-1

2. Install the Great Wall Cladding connecting clip HLP-103 (J) and fix the locking plate nail HLP-119 (I) on the clip at the starting/middle/rear end of the Great Wall Cladding.

As shown in Figure 3-2、3-3、3-4、3-5 :

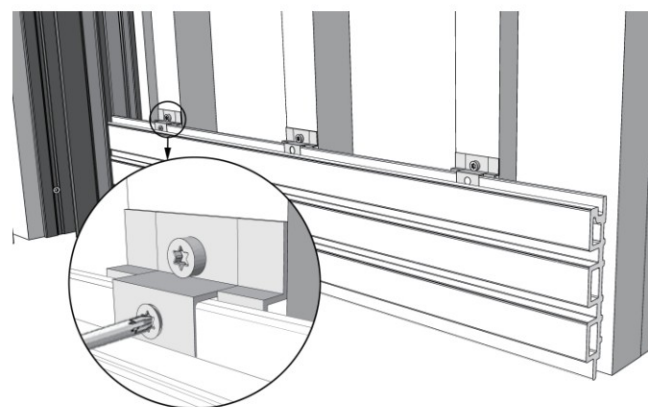
Matters Needing Attention:

1. When installing the card, it is necessary to insert the direction of the locking plate nail hole into the protruding part of the Great Wall Cladding.
2. When the length direction of the Great Wall Cladding exceeds that of a single board, HLYC-013F can be selected as the middle connection part for connection.



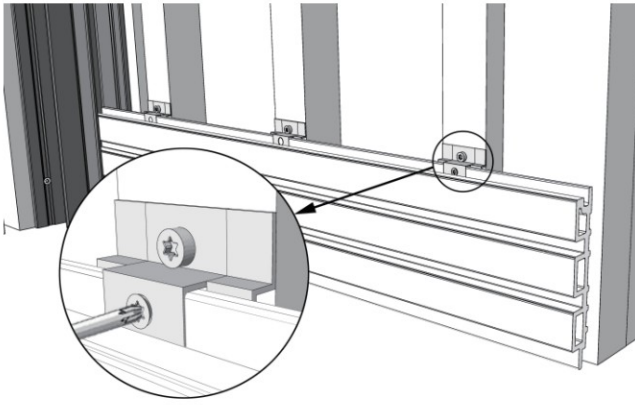
▲ Figure 3-2

When the locking plate nail of the card is located in the middle, expansion joints must be left at the left and right ends of the Great Wall Cladding. The size can be found in the length joint guidance parameter parameter (mm) table.



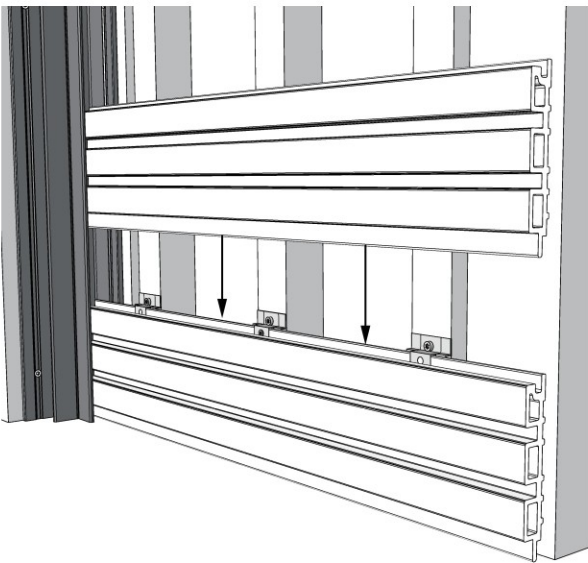
▲ Figure 3-3

When the locking plate nail of the card is located at the starting end, an expansion joint must be left between the rear end of this Great Wall Cladding and the starting end of the next Great Wall slab. The size can be found in the length joint guidance parameter (mm) table.



▲ Figure 3-4

When the locking plate nail of the card is located at the rear end, an expansion joint must be left between the starting end of this Great Wall Cladding and the rear end of the previous Great Wall Cladding. The size is shown in the length joint guidance parameter (mm) table.



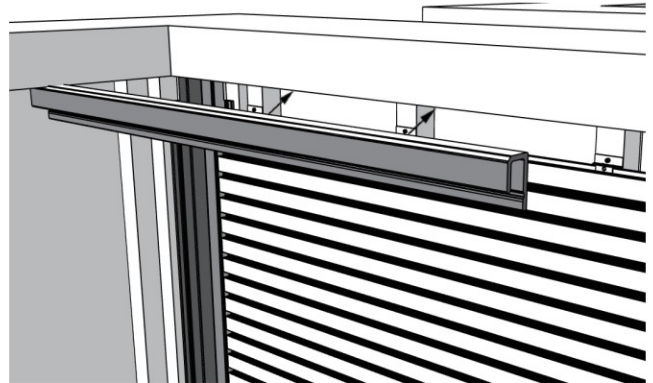
▲ Figure 3-5

3. Follow steps 1 and 2 of the Great Wall Cladding installation to complete the second to last Great Wall Cladding at the top.

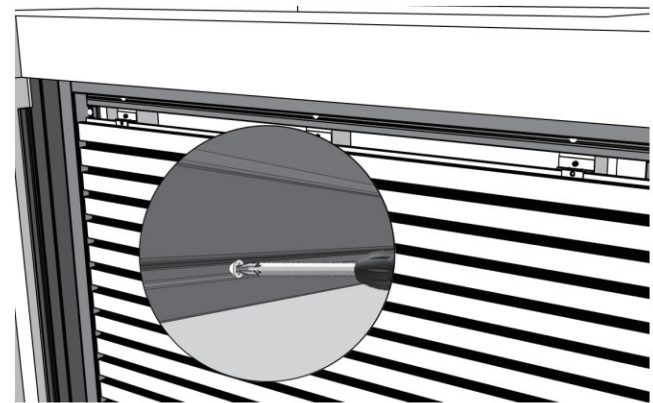
HLYC-016F install

1. Top HLYC-016F (uncut) installed using screw HLP-115 (I).

As shown in Figure 4-1 、 4-2:



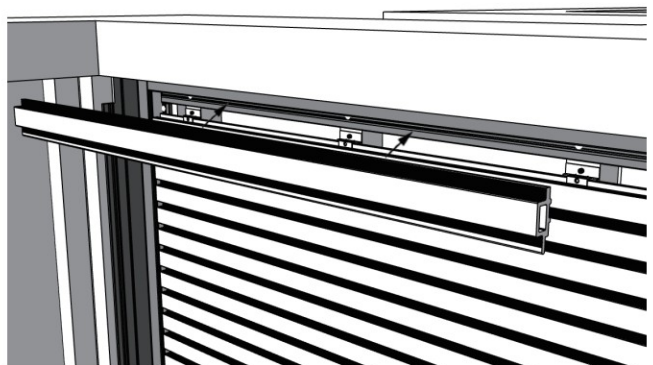
▲ Figure 4-1



▲ Figure 4-2

2. Cut the Great Wall Cladding to the appropriate size according to the actual site conditions and clip it onto the Great Wall Cladding card HLP-103 (J).

As shown in Figure 4-3 :

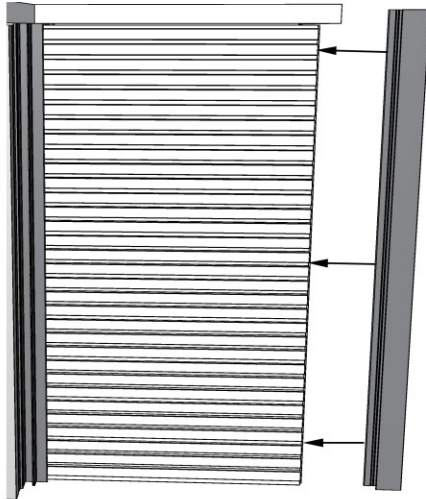


▲ Figure 4-3

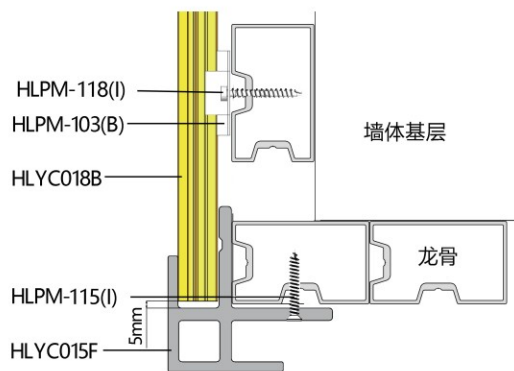
HLYC-015F install

1. Install node C, insert the cut HLYC-015F into the already installed Great Wall Cladding, and then fix screw HLP-115 (I) in the groove on the other side of HLYC-015F.

As shown in Figure 5-1 、 5-2:



▲ Figure 5-1

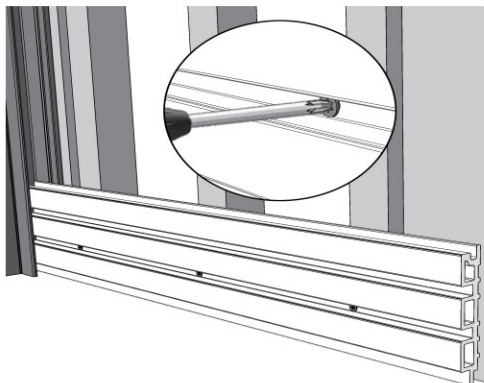


▲ Figure 5-2

Great Wall Cladding install

1. Insert the Great Wall Cladding into the HLYC-016F groove, then slide down to the installation position and secure the screw HLP-115 (I) in the bottom groove

As shown in Figure 6-1 :



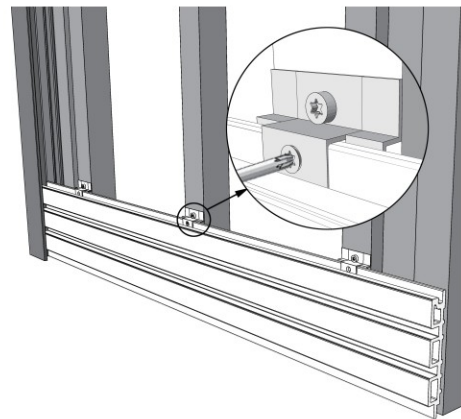
▲ Figure 6-1

2. Install the Great Wall Cladding connection card HLP-103 (J) and secure the locking plate nail HLP-119 (I) to the card in the middle of the Great Wall Cladding length

As shown in Figure 6-2、 6-3、 6-4、 6-5:

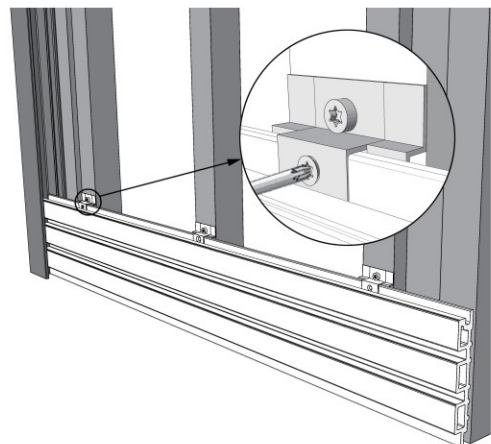
Matters Needing Attention:

1. When installing the card, it is necessary to insert the direction of the locking plate nail hole into the protruding part of the Great Wall Cladding.
2. When the length direction of the Great Wall Cladding exceeds that of a single board, HLYC-013F can be selected as the middle connection part for connection.



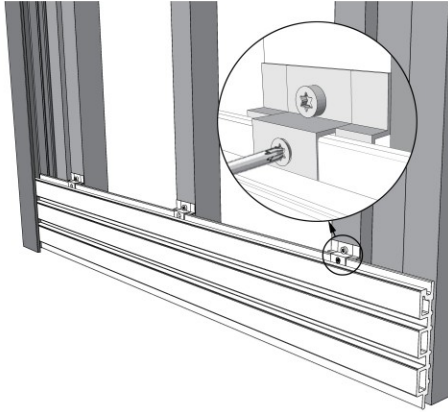
▲ Figure 6-2

When the locking plate nail of the card is located in the middle, expansion joints must be left at the left and right ends of the Great Wall Cladding. The size can be found in the length joint guidance parameter parameter (mm) table.



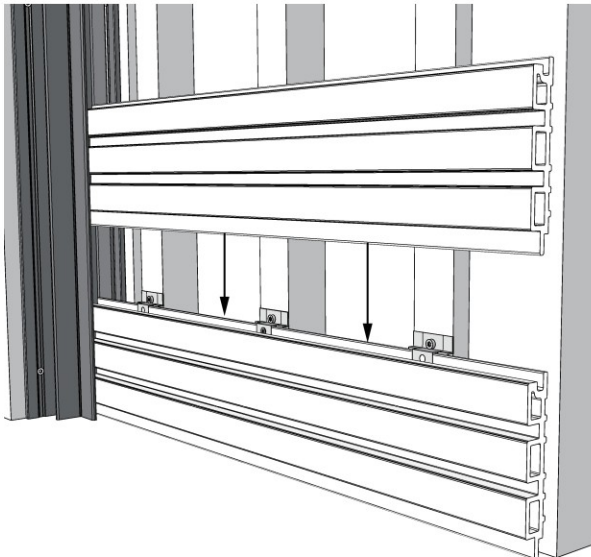
▲ Figure 6-3

When the locking plate nail of the card is located at the starting end, an expansion joint must be left between the rear end of this Great Wall Cladding and the starting end of the next Great Wall slab. The size can be found in the length joint guidance parameter (mm) table.



▲ Figure 6-4

When the locking plate nail of the card is located at the rear end, an expansion joint must be left between the starting end of this Great Wall Cladding and the rear end of the previous Great Wall Cladding. The size is shown in the length joint guidance parameter (mm) table.



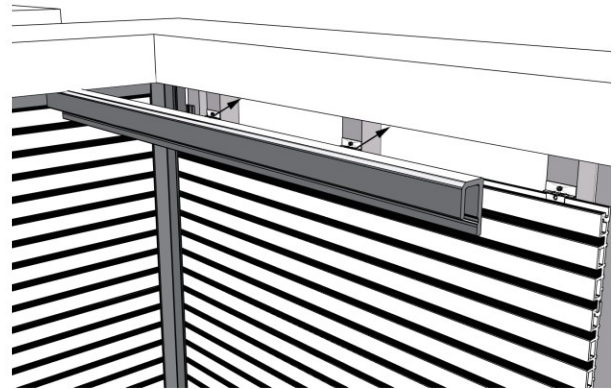
▲ Figure 6-5

3. Follow steps 1 and 2 of the Great Wall Cladding installation to complete the second to last Great Wall Cladding at the top.

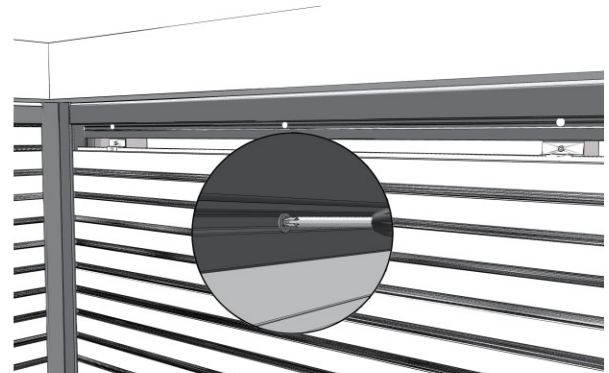
HLYC-016F install

1. Top HLYC-016F (uncut) installed using screw HLP-115 (I).

As shown in Figure 7-1 、 7-2:



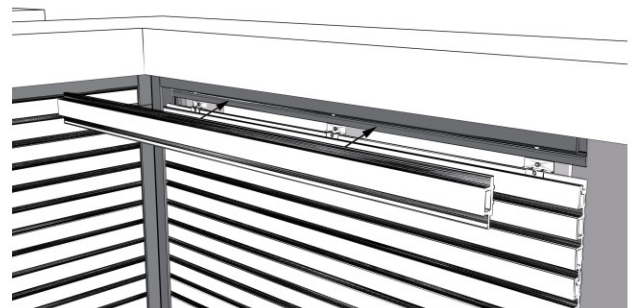
▲ Figure 7-1



▲ Figure 7-2

2. Cut the Great Wall Cladding to the appropriate size according to the actual site conditions and clip it onto the Great Wall Cladding card HLP-103 (J).

As shown in Figure 7-3 :

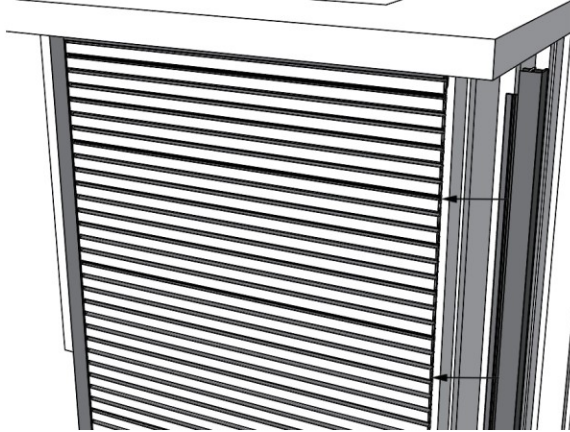


▲ Figure 7-3

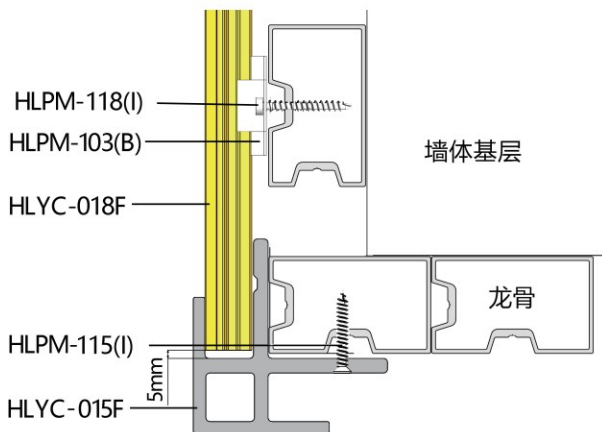
HLYC-015F install

1. Install node d, insert the cut HLYC-015F into the already installed Great Wall Cladding, and then fix screw HLP-115 (I) in the groove on the other side of HLYC-015F.

As shown in Figure 8-1、8-2:



▲ Figure 8-1

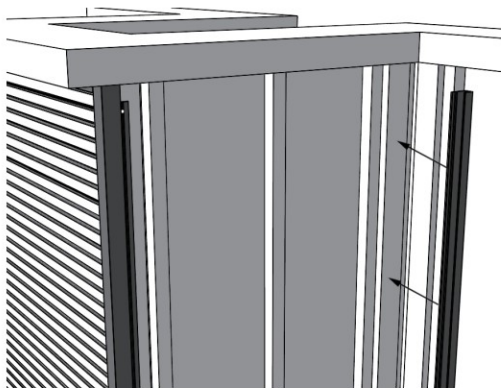


▲ Figure 8-2

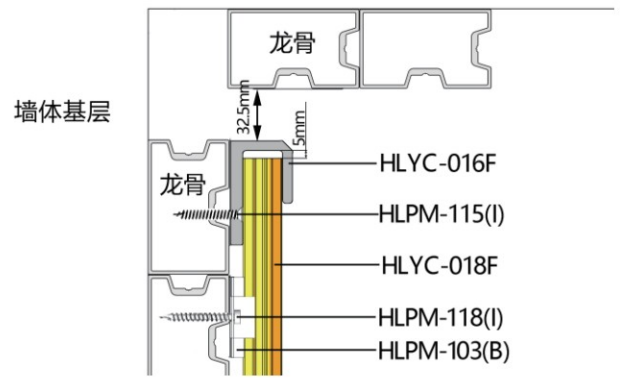
Side edge HLYC-016F install

1. Install E-node, HLYC-016F at the inner corner of the wall.

As shown in Figure 9-1、9-2 :



▲ Figure 9-1



▲ Figure 9-2

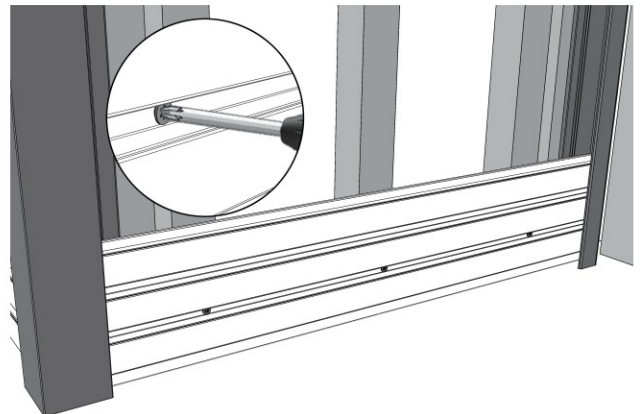
Matters Needing Attention:

Cut the HLYC-016F from the original cut port to a length slightly greater than the width of the Great Wall Cladding at the upper end, and install the cut HLYC-016F after determining the gap (32.5mm) with the other side joist.

Great Wall Cladding install

1. Insert the Great Wall Cladding into the cut HLYC-015F and HLYC-016F, then slide down to the installation position and secure the screw HLP-115 (I) in the bottom groove.

As shown in Figure 10-1 :



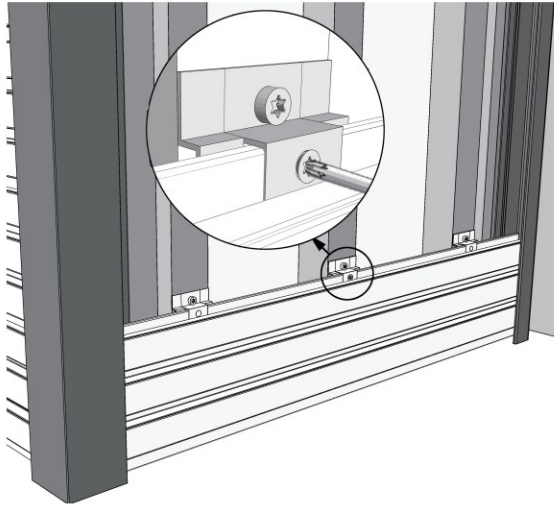
▲ Figure 10-1

2. Install the Great Wall Cladding connection card HLP-103 (J) and secure the locking plate nail HLP-119 (I) to the card at the starting end/middle length/rear end position of the Great Wall Cladding.

As shown in Figure 10-2、10-3、10-4、10-5:

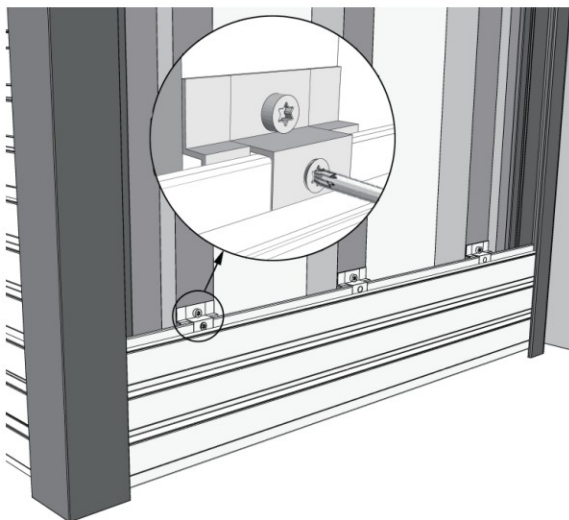
Matters Needing Attention:

1. When installing the card, it is necessary to insert the direction of the locking plate nail hole into the protruding part of the Great Wall Cladding.
2. When the length direction of the Great Wall Cladding exceeds that of a single board, HLYC-013F can be selected as the middle connection part for connection.



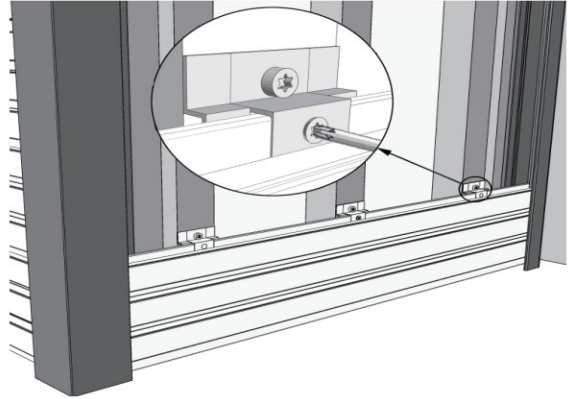
▲ Figure 10-2

When the locking plate nail of the card is located in the middle, expansion joints must be left at the left and right ends of the Great Wall Cladding. The size can be found in the length joint guidance parameter (mm) table.



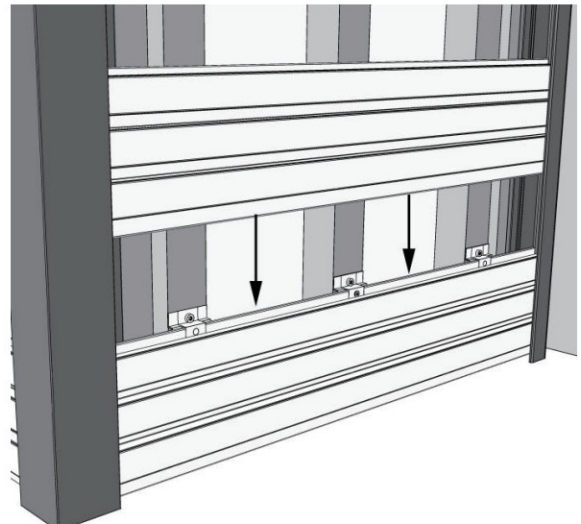
▲ Figure 10-3

When the locking plate nail of the card is located at the starting end, an expansion joint must be left between the rear end of this Great Wall Cladding and the starting end of the next Great Wall slab. The size can be found in the length joint guidance parameter (mm) table.



▲ Figure 10-4

When the locking plate nail of the card is located at the rear end, an expansion joint must be left between the starting end of this Great Wall Cladding and the rear end of the previous Great Wall Cladding. The size is shown in the length joint guidance parameter (mm) table.



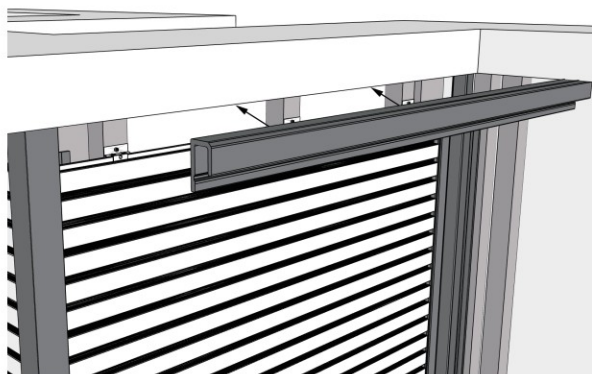
▲ Figure 10-5

3. Follow steps 1 and 2 of the Great Wall Cladding installation to complete the second to last Great Wall Cladding at the top.

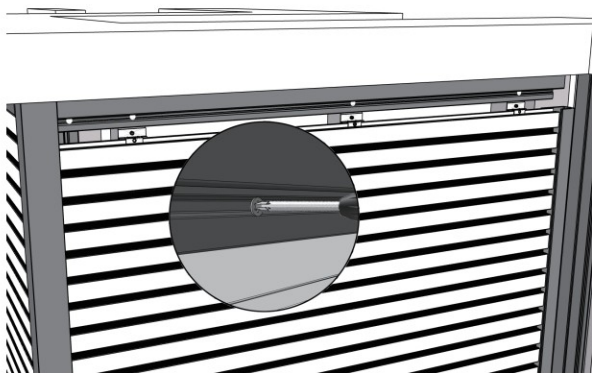
Top HLYC-016F install

1. Install the top HLYC-016F with screw HLP-115 (I).

As shown in Figure 11-1、11-2 :



▲ Figure 11-1



▲ Figure 11-2

2. Cut the Great Wall Cladding to the appropriate size according to the actual site conditions and clip it onto the Great Wall Cladding card HLP-103 (J).

As shown in Figure 11-3 :



▲ Figure 11-3

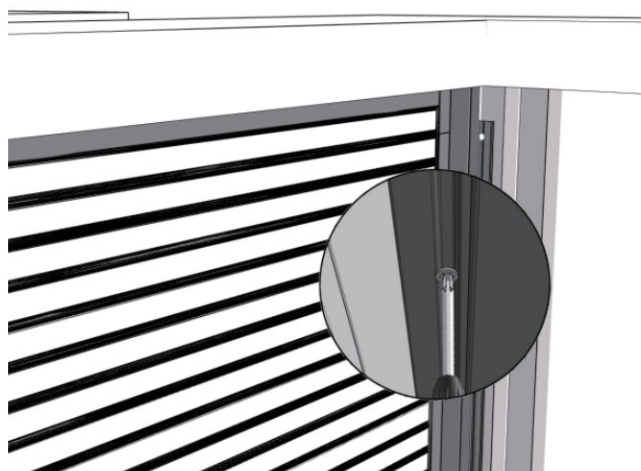
Tips:

One end of the last Great Wall Cladding at the top is inserted into the groove of HLYC-015F, and the other end is inserted into the height end of the Great Wall Cladding left by the second cutting of HLYC-016F for installation. To facilitate the installation of the Great Wall Cladding by inserting it here and then sliding it down when there is a eaves.

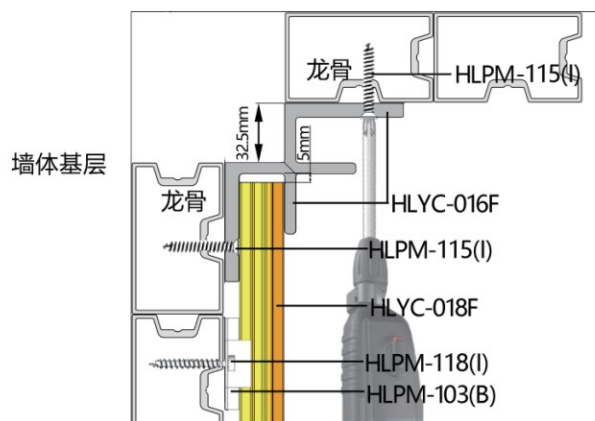
On the other side HLYC-016F install

1. Tighten the installed HLYC-016F and fix the screw HLP-115 (I) in the screw fixing groove.

As shown in Figure 12-1、12-2 :



▲ Figure 12-1

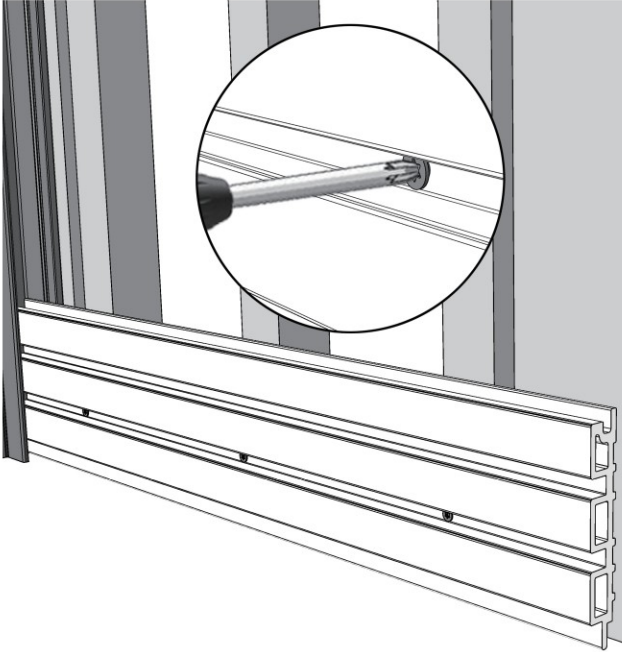


▲ Figure 12-2

Great Wall Cladding install

1. Insert the Great Wall Cladding into the cut HLYC-015F and HLYC-016F, then slide down to the installation position and secure the screw HLP-115 (I) in the bottom groove.

As shown in Figure 13-1 :



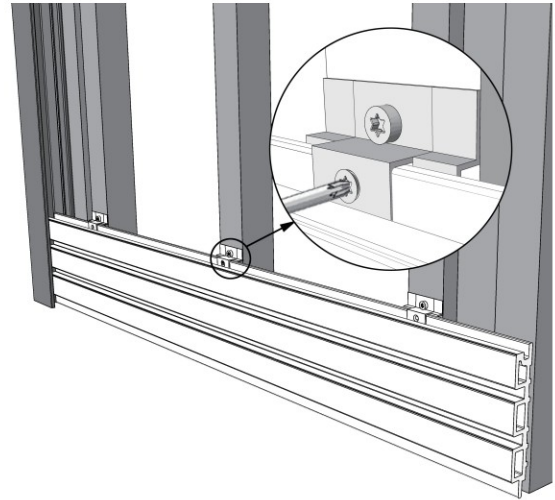
▲ Figure 13-1

2. Install the Great Wall Cladding connection card HLP-103 (J) and secure the locking plate nail HLP-119 (I) to the card at the starting end/middle length/rear end position of the Great Wall Cladding.

As shown in Figure 13-2 、 13-3、 13-4、 13-5:

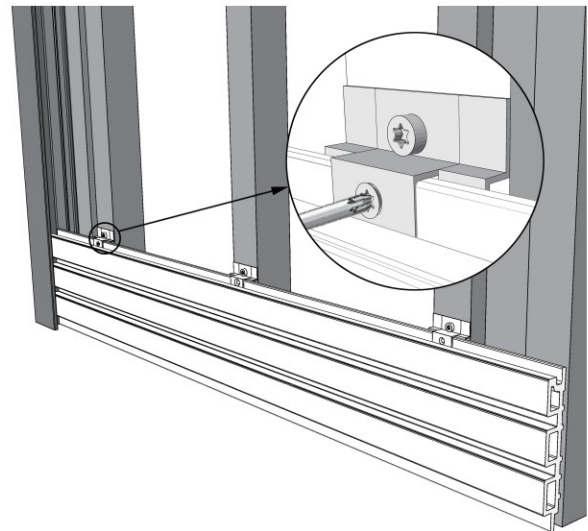
Matters Needing Attention:

1. When installing the card, it is necessary to insert the direction of the locking plate nail hole into the protruding part of the Great Wall Cladding.
2. When the length direction of the Great Wall Cladding exceeds that of a single board, HLYC-013F can be selected as the middle connection part for connection.



▲ Figure 13-2

When the locking plate nail of the card is located in the middle, expansion joints must be left at the left and right ends of the Great Wall Cladding. The size can be found in the length joint guidance parameter parameter (mm) table.



▲ Figure 13-3

When the locking plate nail of the card is located at the starting end, an expansion joint must be left between the rear end of this Great Wall Cladding and the starting end of the next Great Wall slab. The size can be found in the length joint guidance parameter (mm) table.

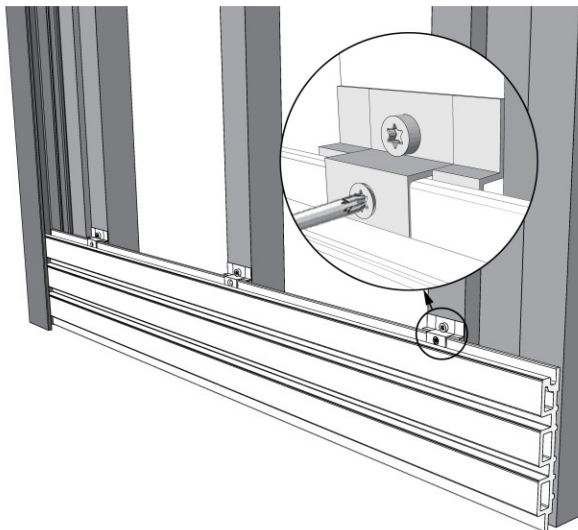
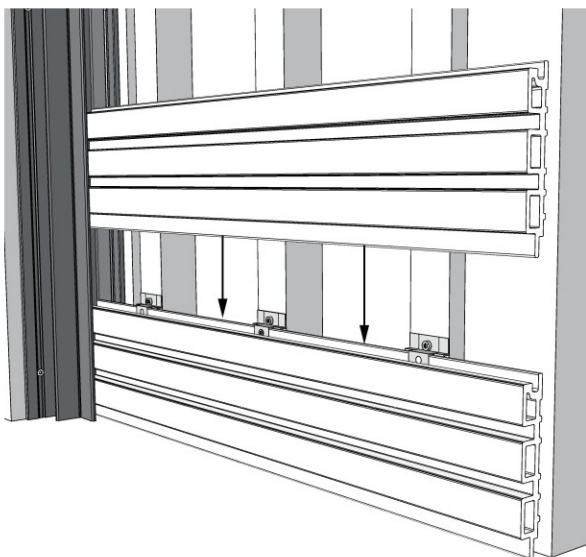


Figure 13-4

When the locking plate nail of the card is located at the rear end, an expansion joint must be left between the starting end of this Great Wall Cladding and the rear end of the previous Great Wall Cladding. The size is shown in the length joint guidance parameter (mm) table.



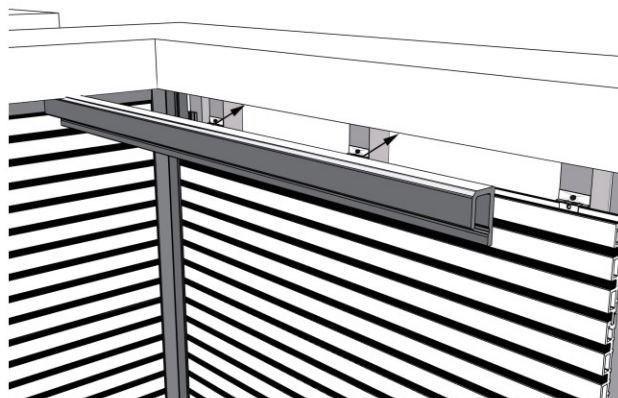
▲ Figure 13-5

3. Follow steps 1 and 2 of the Great Wall Cladding installation to complete the second to last Great Wall Cladding at the top.

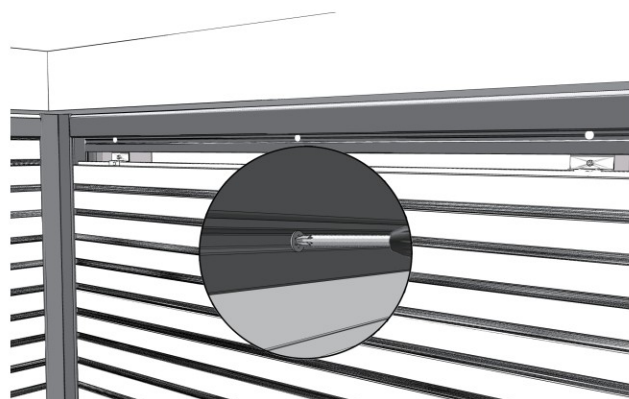
Top HLYC-016F install

1. Install the top HLYC-016F with screw HLP-115 (I).

As shown in Figure 14-1、14-2 :



▲ Figure 14-1



▲ Figure 14-2

2. Cut the Great Wall Cladding to the appropriate size according to the actual site conditions and clip it onto the Great Wall Cladding card HLP-103 (J).

As shown in Figure 14-3 :



▲ Figure 14-3

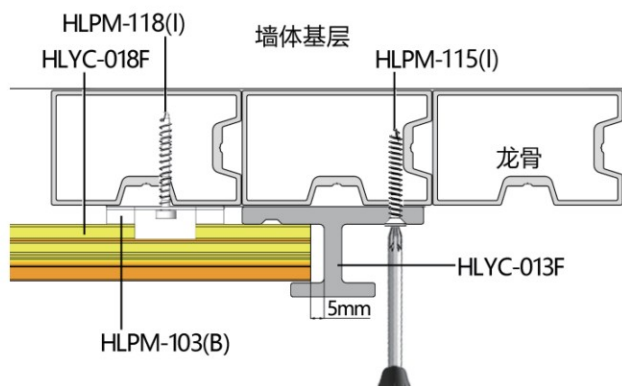
HLYC-013F install

1. Install node f, insert the cut HLYC-013F into the already installed Great Wall Cladding, and first drill a pre hole in the screw groove on the other side of HLYC-013F before fixing screw HLPM-115 (I)

As shown in Figure 15-1、15-2：



▲ Figure 15-1

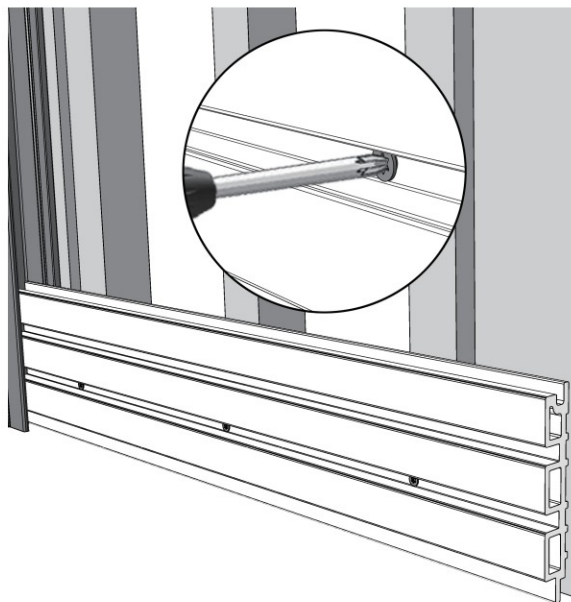


▲ Figure 15-2

Great Wall Cladding install

- 1.** Insert the Great Wall Cladding into the HLYC-013F groove, then slide the Great Wall Cladding down to the installation position and secure the screw HLPm-115 (I) in the bottom groove.

As shown in Figure 16-1 :



▲ Figure 16-1

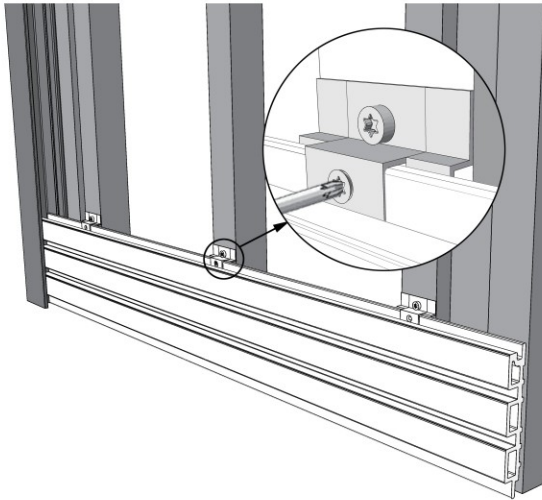
2. Install the Great Wall Cladding connection card HLPM-103 (J) and secure the locking plate nail HLPM-119 (I) at the beginning/middle/rear end positions of the Great Wall Cladding length.

As shown in Figure 16-2、16-3、16-4、16-5 :

Matters Needing Attention:

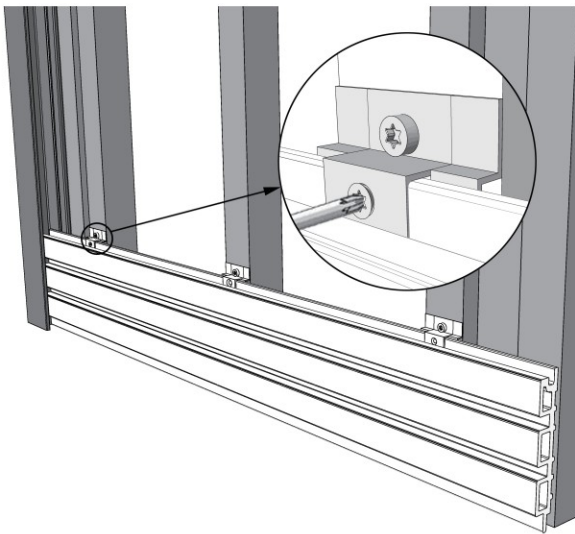
1. When installing the card, it is necessary to insert the direction of the locking plate nail hole into the protruding part of the Great Wall Cladding.

2. When the length direction of the Great Wall Cladding exceeds that of a single board, HLYC-013F can be selected as the middle connection part for connection.



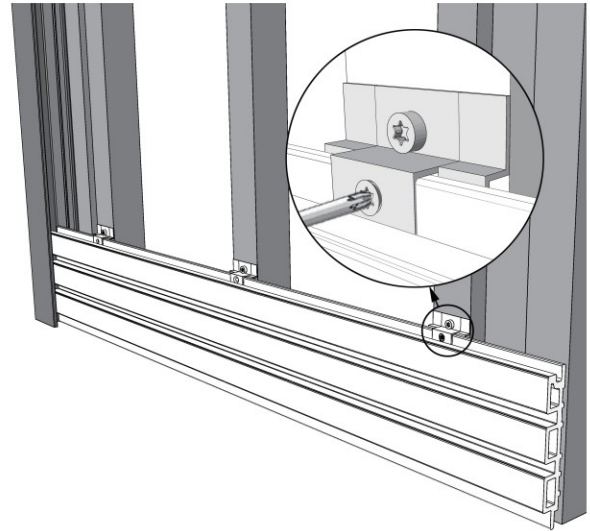
▲ Figure 16-2

When the locking plate nail of the card is located in the middle, expansion joints must be left at the left and right ends of the Great Wall Cladding. The size can be found in the length joint guidance parameter parameter (mm) table.



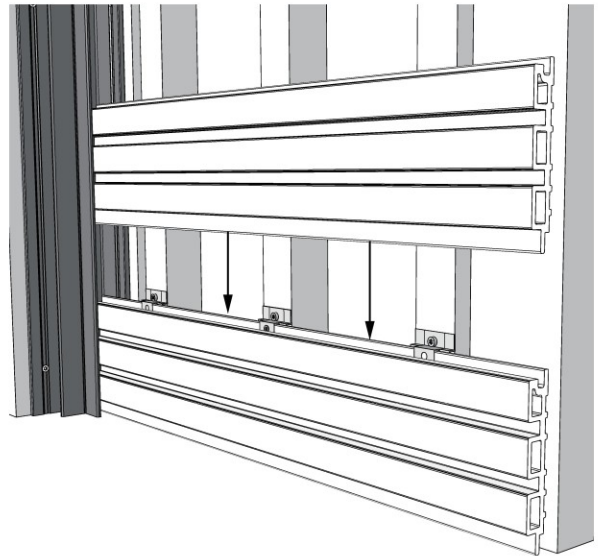
▲ Figure 16-3

When the locking plate nail of the card is located at the starting end, an expansion joint must be left between the rear end of this Great Wall Cladding and the starting end of the next Great Wall slab. The size can be found in the length joint guidance parameter (mm) table.



▲ Figure 13-4

When the locking plate nail of the card is located at the rear end, an expansion joint must be left between the starting end of this Great Wall Cladding and the rear end of the previous Great Wall Cladding. The size is shown in the length joint guidance parameter (mm) table.



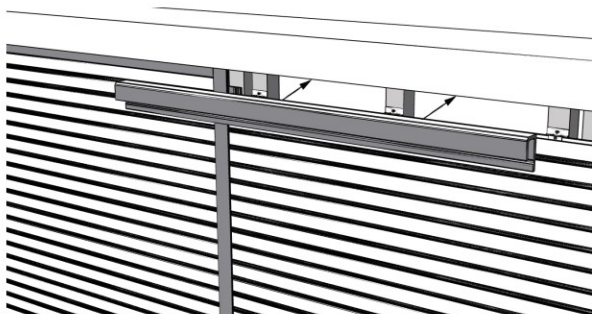
▲ Figure 13-5

3. Follow steps 1 and 2 of the Great Wall Cladding installation to complete the second to last Great Wall Cladding at the top.

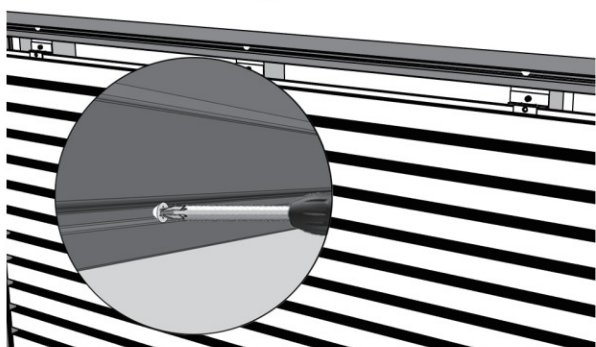
Top HLYC-016F install

- 1.** Install the top HLYC-016F with screw HLP-115 (I).

As shown in Figure 17-1 、 17-2:



▲ Figure 17-1



▲ Figure 17-2

- 2.** Cut the width of the Great Wall Cladding to the appropriate size according to the actual site conditions and clip it onto the Great Wall Cladding card.

As shown in Figure 17-3 :

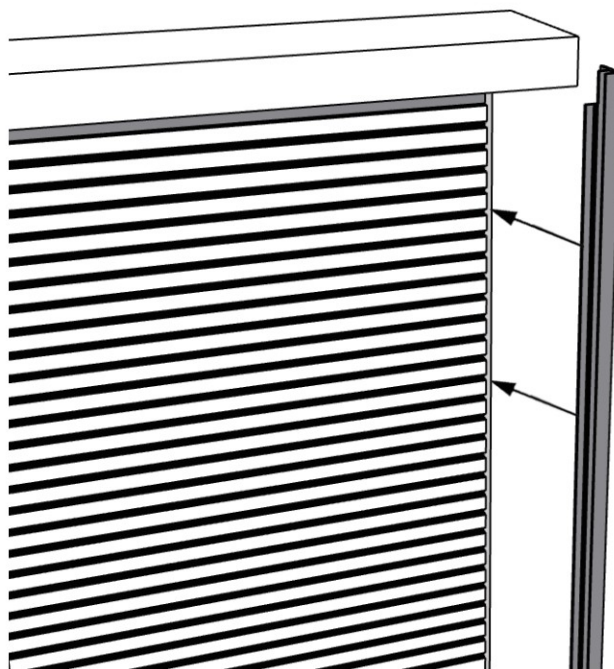


▲ 图 17-3

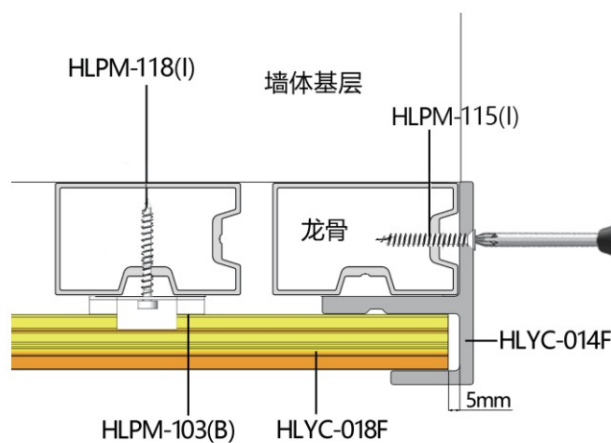
HLYC-014F install

- 1.** Install node G, clip the cut HLYC-014F into the already installed Great Wall Cladding, and fix screw HLPM-115 (I) to the joist on the side of HLYC-014F.

As shown in Figure 18-1、18-2：



▲ Figure 18-1



▲ Figure 18-2

Great Wall Cladding horizontal installation completion effect

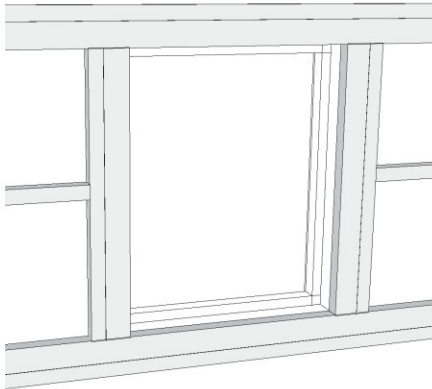
As shown in Figure 19 :



▲ Figure 19

Special installation method

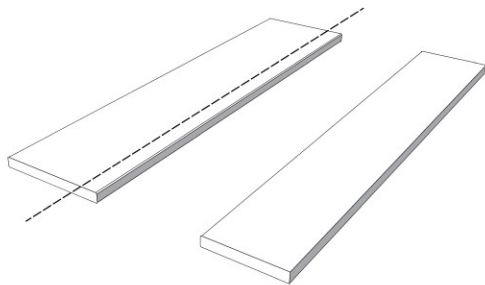
Installation of Door and Window Openings



▲ General door and window opening diagram

1. Determine (cut) the size of HLSC-022B based on the size of the door and window openings.

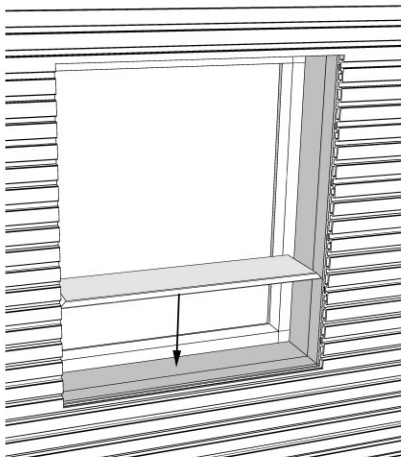
As shown in Figure 16-1:



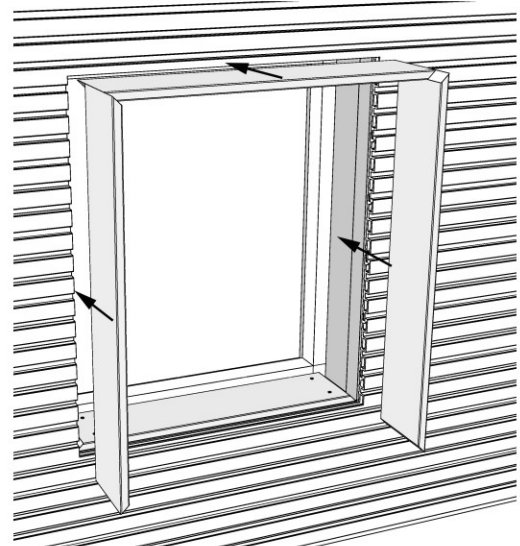
▲ Figure 16-1

2. Install the Great Wall Cladding for door and window openings, drill pre holes and fix them with visible nails.

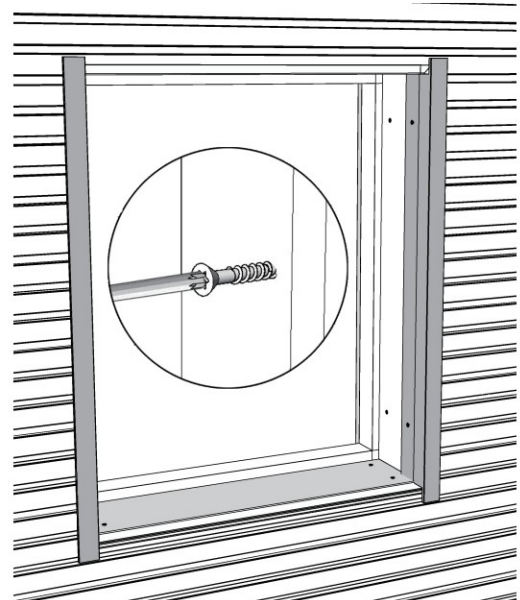
As shown in Figure 16-2、16-3、16-4:



▲ Figure 16-2



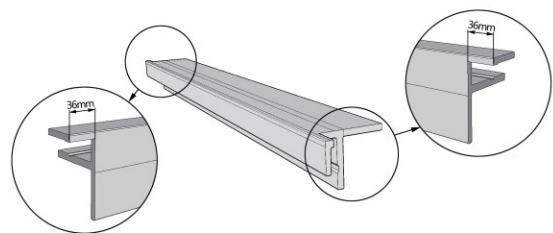
▲ Figure 16-3



▲ Figure 16-4

3. Determine (cut) the size of HLYC-014F based on the size of the door and window openings.

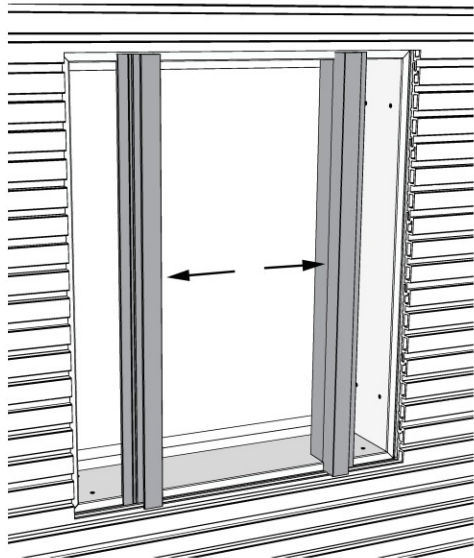
As shown in Figure 16-5:



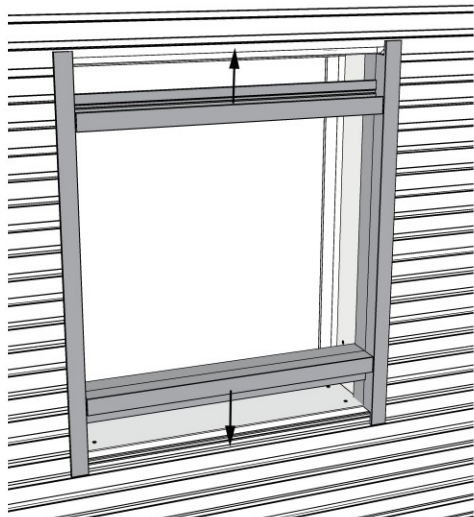
▲ Figure 16-5

4. Installation of door and window openings
HLYC-014F.

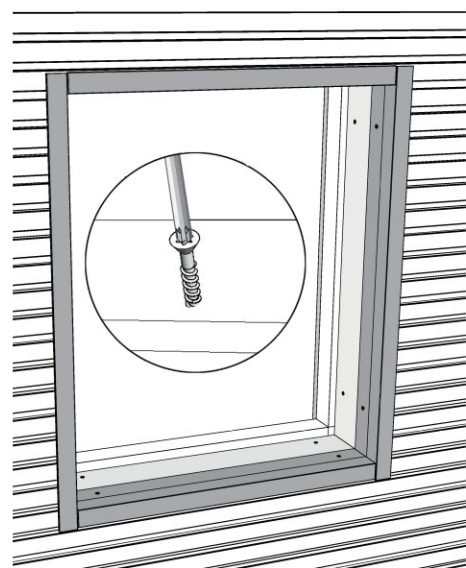
As shown in Figure 16-6、16-7、16-8:



▲ Figure 16-6



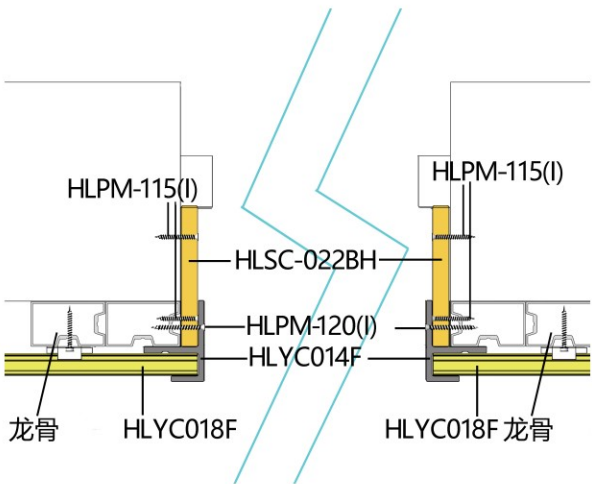
▲ Figure 16-7



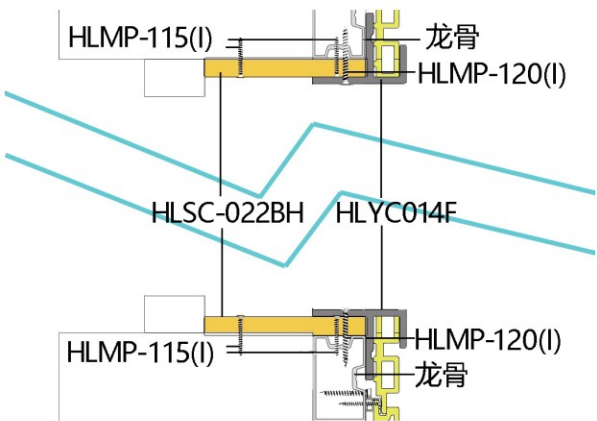
▲ Figure 16-8

5. Sectional drawing of door and window
openings.

As shown in Figure 16-9、16-10:



▲ Figure 16-9



▲ Figure 16-10