



HONORWOOD

RAILING INSTALLATION



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HONORWOOD RAILING INSTALLATION INSTRUCTIONS

IMPORTANT

Please read these installation instructions carefully before the construction and installation of the railings.

Note: The installation charts and instructions, described in this guide, are for installation reference only. Any use of Honorwood products or materials must comply with relevant local laws and regulations, as well as all building regulations. Users are responsible for the risks and responsibilities associated with installing them.

INSTALLATION TOOLS

Standard woodworking tools, such as electric saws (desktop and portable), impact drills, hand drills, etc. Our company usually uses diamond blade saws.

INSTALLATION PROTECTION

Operators should be aware of the safety requirements, only use safe and certified construction equipment, wear the correct protective equipment, such as gloves, dust masks, etc.

USE OF THE PRODUCTS IN STRUCTURES

Honorwood products cannot be used in place of beams, columns or other load bearing structures. They must be combined with the correct materials for use in any load-bearing structures.

CONSTRUCTION AND INSTALLATION DRAWINGS

Before fitting Honorwood products, accurate drawings should be drawn up, according to the site plans, so as to ensure the matching and the accurate dimensions of the supplied products, while reducing unnecessary wastage of materials and reducing the downtime of the construction manpower.

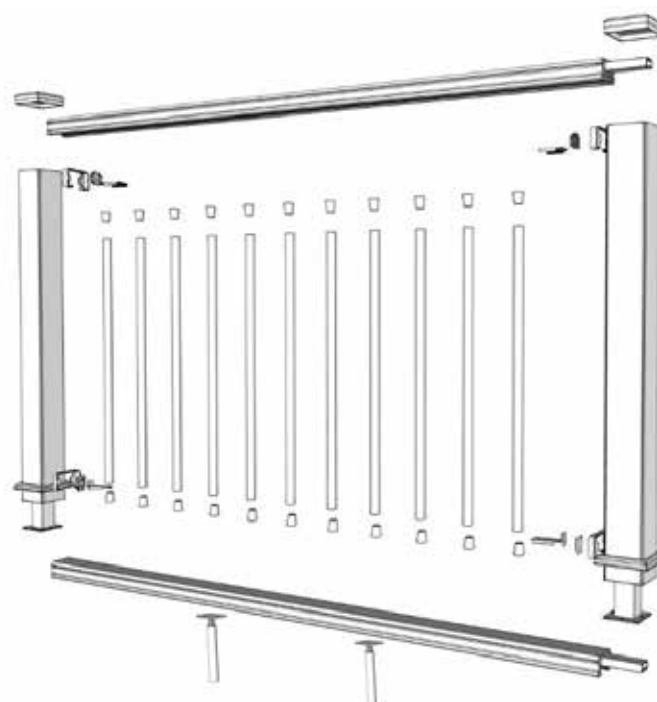
PRODUCT STORAGE REQUIREMENTS

Honorwood products must be stacked on flat and level, hardened ground. Avoid direct contact with the ground as well as areas that are permanently wet or moist, in order to reduce deformation or other damage to the products.

PRODUCT ENVIRONMENT STABILIZATION

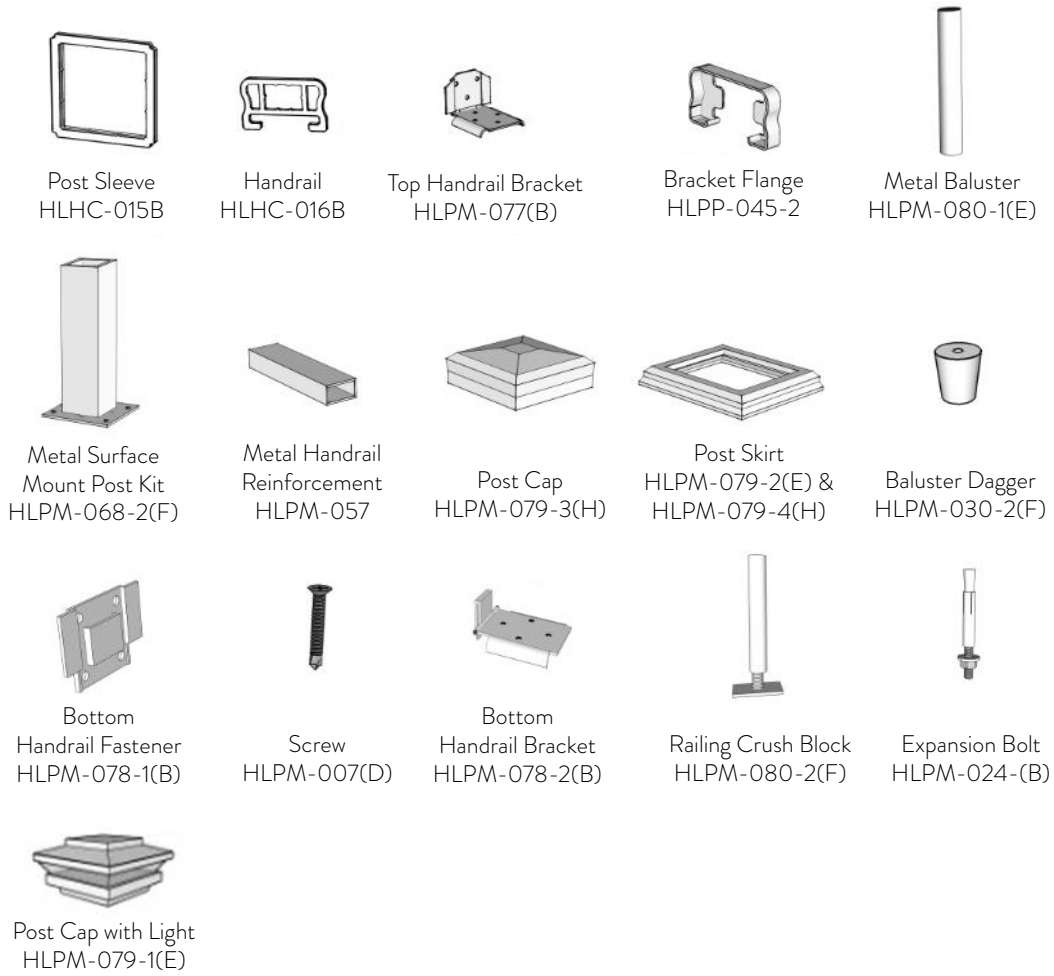
Before installation and construction, Honorwood products need to be stored in the local environment for 48 hours to stabilize the product after any heat expansion or cold contraction. High temperature differences can affect the accuracy of the installation.

HORIZONTAL RAILING COMPONENT DIAGRAM:

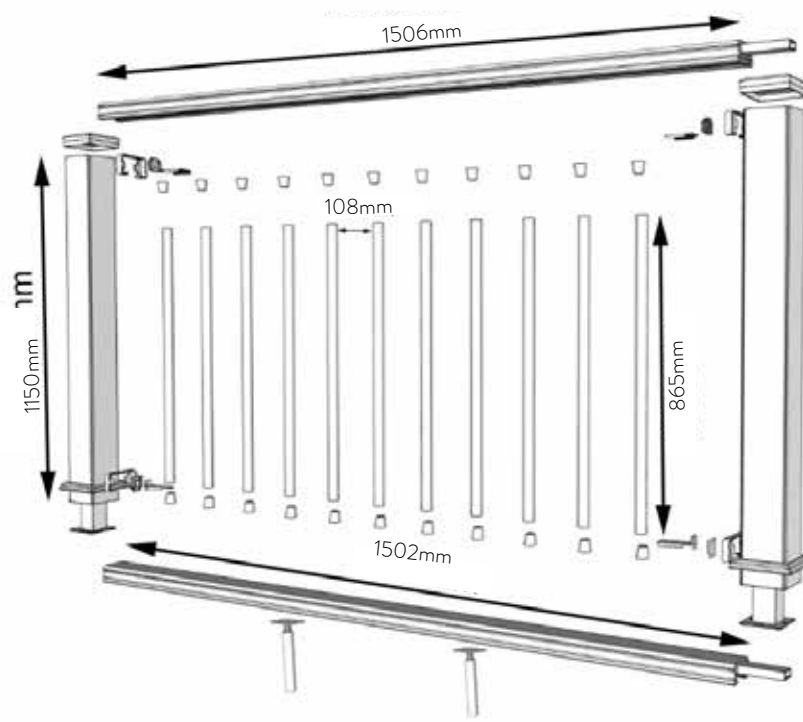


Horizontal railing diagram

COMPONENT DIAGRAM LIST:



HORIZONTAL RAILING SIZE CHART AND POINTS TO BE NOTED DURING INSTALLATION:



RAILING INSTALLATION STEPS

- 1 Push the wires down to determine the depth and position of the inner metal surface mount post kit (HLPM-068-2) (control span is 1616mm). As shown in Figure 1:

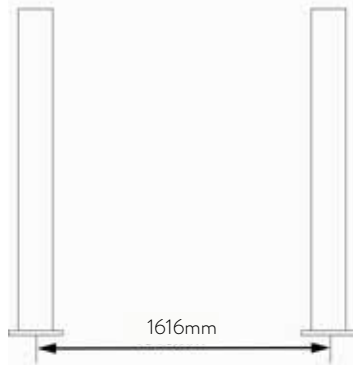


Figure 1

- 2 Secure the metal base with the matching expansion bolt (HLPM-024) and insert the railing post sleeve (HLHC-015B) into the metal base. As shown in Figures 2 and 3:

*Note: The supporting expansion bolt internally expands, and the outer diameter is $\Phi 14*87$ mm. Suitable for concrete floors not less than 100 mm thick.*

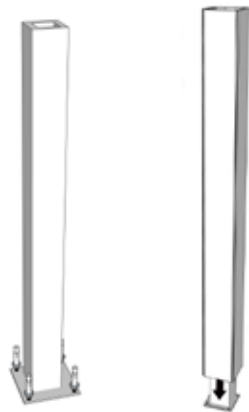


Figure 2

Figure 3

- 3 Determine the position of the upper and lower corner screw holes (check the middle position and the height of the column) and pre-drill. As shown on Figure 4:

Note: 1. The pre-drilled hole must penetrate the metal lining of the column. 2. The pre-drilling position is calculated from the bottom of the plastic / wood column.

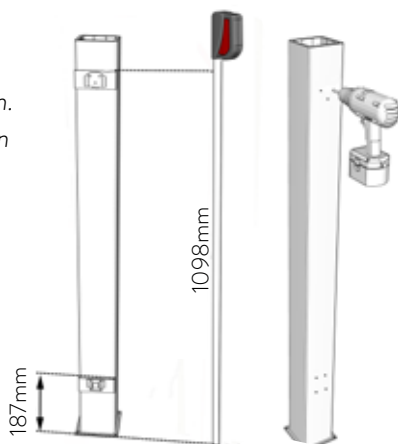


Figure 4

- 4 Install the railing post skirt (HLPM-079-2 or HLPM-079-4), and then screw the top handrail bracket (HLPM-077) and the bottom handrail fastener (HLPM-078-1). As shown in Figures 5 and 6:



Figure 5



Figure 6

- 5 After measuring the spacing of the column, cut the length of the handrail (HLHC-016B) (the handrail should be 4-7 mm from the side of the column). The metal handrail reinforcements (HLPM-057) are 5 mm shorter than the ends of the handrail, and the metal parts are inserted into the handrail. After checking the middle hole is aligned, fix the bottom handrail bracket (HLPM-078-2) with screws, as shown in Figure 7:



Figure 7

INSTALLATION TIPS

INSTALLATION TIP #1

First press the bottom handrail bracket into the bottom handrail fastener in Figure A1, then place the handrail against the bottom handrail bracket to determine the bottom bracket's screw hole positions, and pre-drill, Figure A2, finally, the bottom rail bracket is pulled out and mounted on the lower handrail as shown in Figure A3. As shown below:

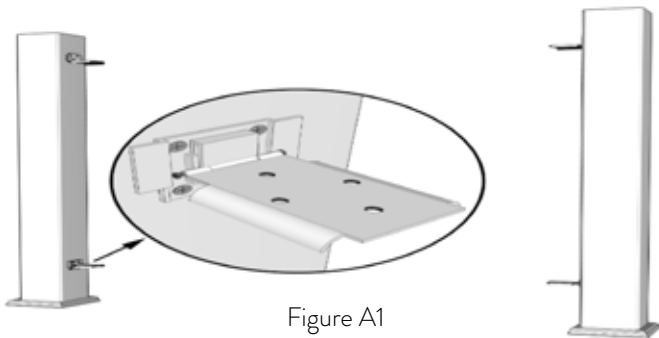


Figure A1

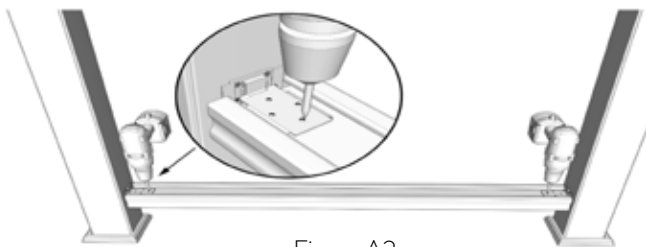


Figure A2

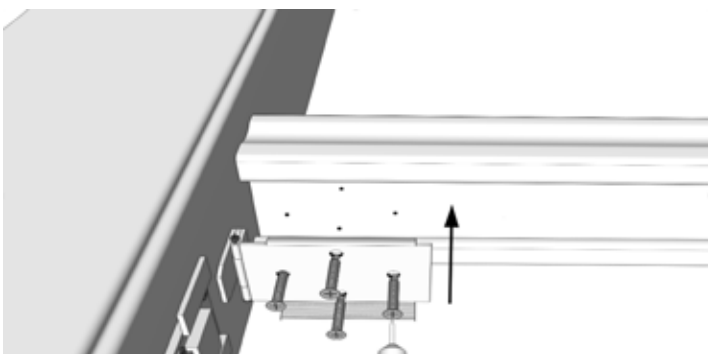


Figure A3

Install the plastic daggers (HLP-030-2) under the handrail (fixed with screws before pre-drilling). As shown in Figure 8:



Figure 8

INSTALLATION TIP #2

The spacing and alignment of the railing daggers can be done using a baluster template. Use of a baluster template will ensure even spacing between your daggers and balusters as well as ensure perfectly vertical balusters between the top and bottom rails. Figure B shows an example utilizing a baluster template:

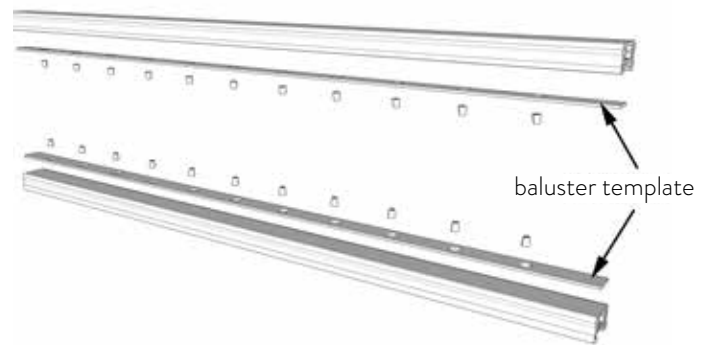


Figure B

Install the railing crush blocks (HLP-080-2) (the two supporting crush blocks should be evenly distributed and in line with the small vertical bar above) as shown in Figure 9:



Figure 9

Install the lower handrail hinge corner brackets into the lower handrail corner fastener fixed on the column, as shown in Figure 10:

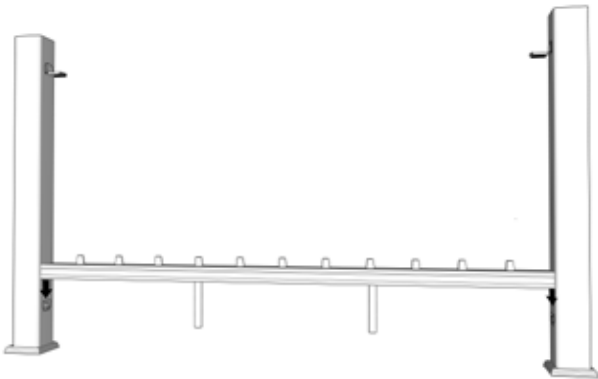


Figure 10

Place the upper handrail on the upper corner section (the vertical rod internals are snapped into the vertical rods) as shown in Figure 13 below:

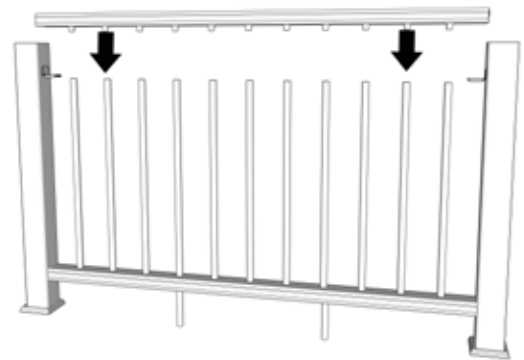


Figure 13

Fit the metal balusters (HLPM-080-1) into the lower handrail vertical bar structure as shown in Figure 11:

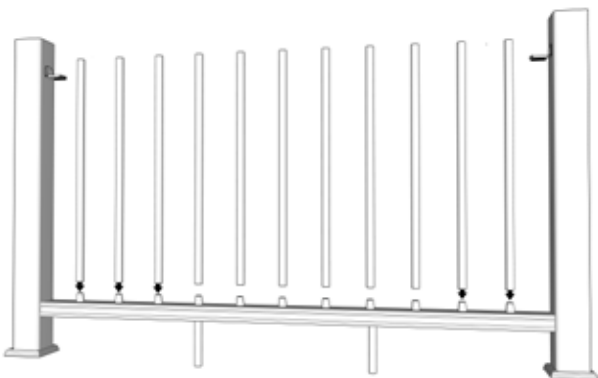


Figure 11

Fix the upper handrail assembly onto the brackets (HLPM-077) and fix the screws after pre-drilling, as shown in Figure 14:



Figure 14

After measuring the total spacing between the columns, cut the length of the upper handrail (HLHC-016B), insert the upper handrail metal parts into the upper handrail (the inner metal parts of the handrail are 5 mm shorter than the two ends of the handrail), and install the inner parts of the vertical handrail member (use a fixing screw after drilling). As shown in Figure 12:

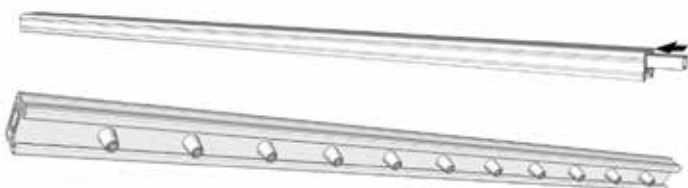


Figure 12

Install the railing post cap (HLPM-079-3) (fix with screws after pre-drilling) or the railing post cap with lights (HLPM-079-1) with the special internal hexagonal screw fixers and a bracket flange (HLPP-045-2), as shown in Figure 15:



Figure 15

Finally, adjust the lower handrail support adjusting feet to the appropriate height as shown in Figure 16:

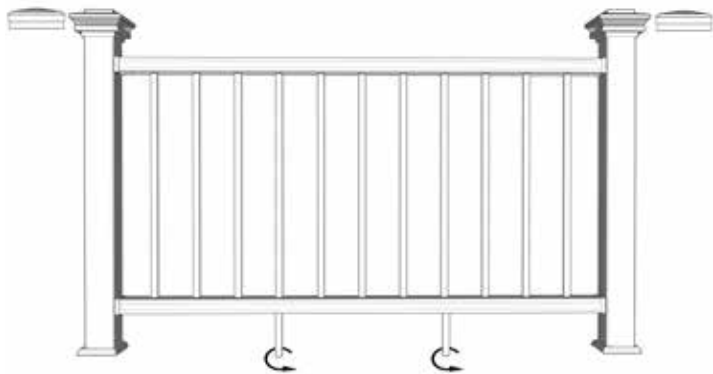


Figure 15





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