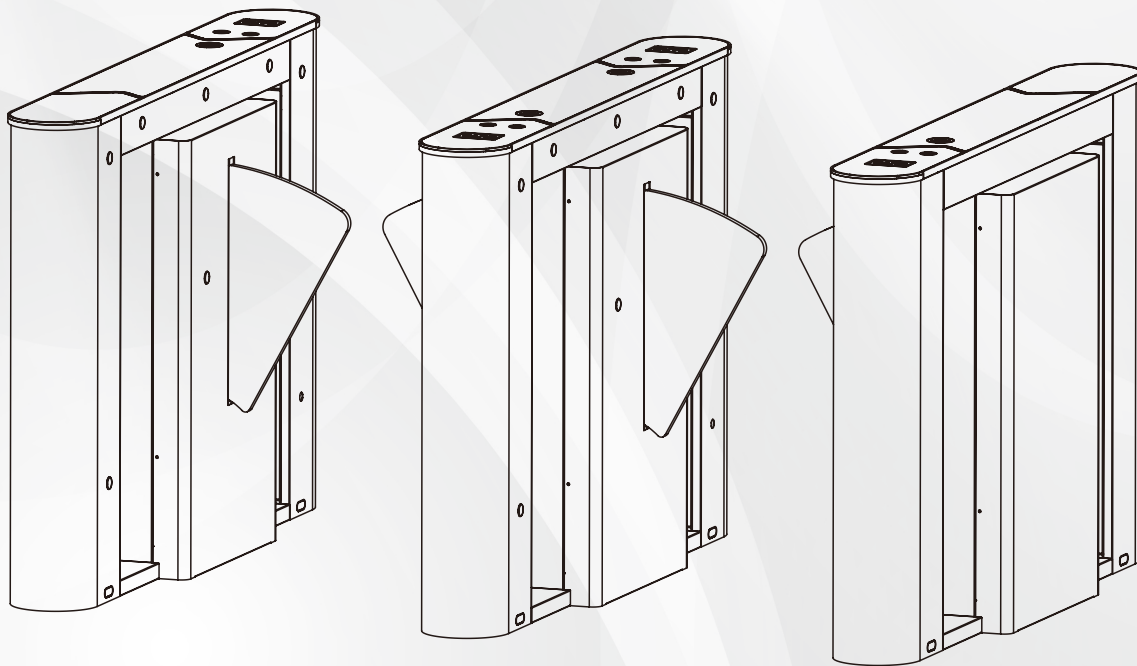


Installation Guide

FBL6000 Pro Series

Applicable Model(s): FBL6000 Pro, FBL6200 Pro

Version: 1.0

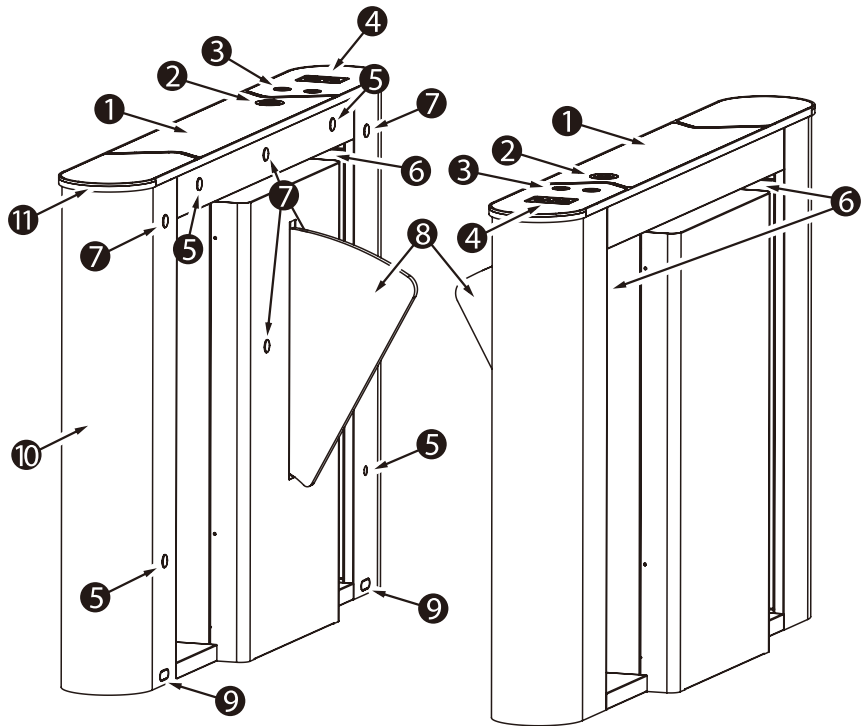


Revision History

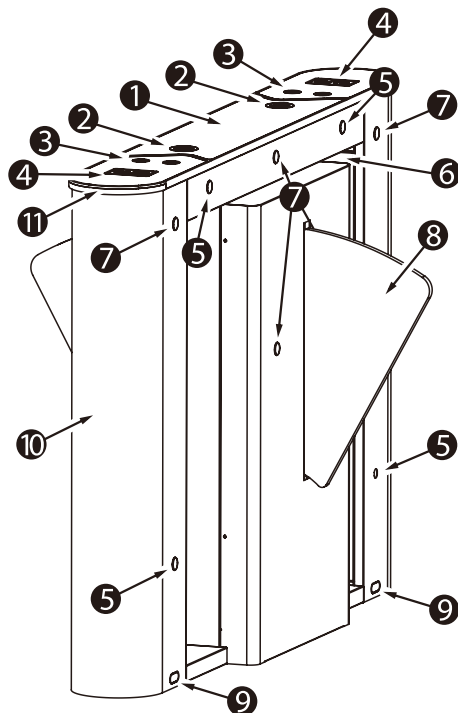
Revision	Date	Author	Reviewer	Description
V1.0	07/07/2025	Julia.Huang		Original Document

1 Overview

FBL6000 Pro



FBL6200 Pro



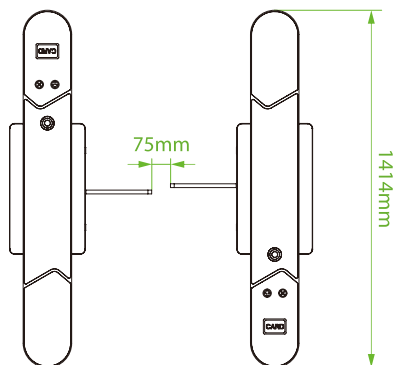
- ① Top Lid
- ② Hole Plugs 34 Diameter
(Reserved for Facial Authentication
Terminal for Surface Mount)
- ③ Traffic Indicator
- ④ Verification Area
- ⑤ Extended Infrared Sensor
- ⑥ Chassis Cover
- ⑦ Infrared Sensor
- ⑧ Barrier
- ⑨ Wiring Holes
- ⑩ Side Pedestal
- ⑪ Visual Indicator

2 Dimensions

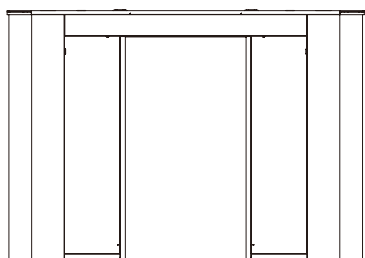
FBL6000 Pro

Unit: mm

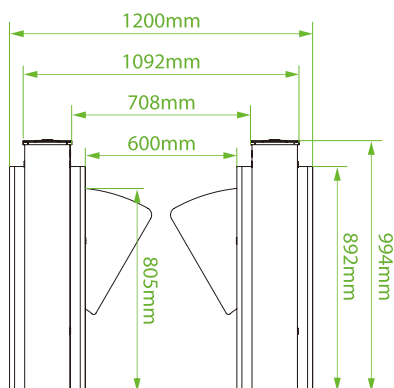
Top View



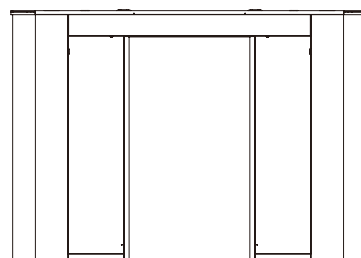
Side View



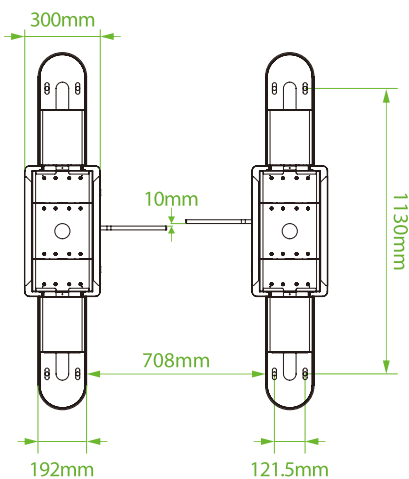
Front View



Side View



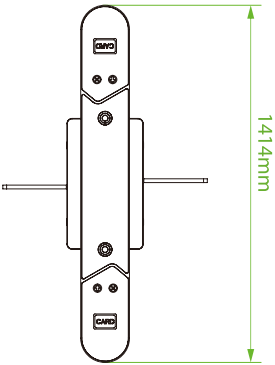
Bottom View



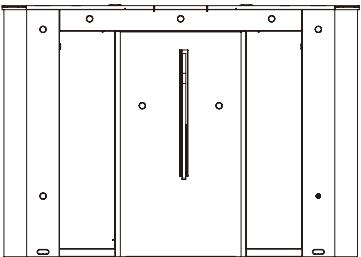
FBL6200 Pro

Unit: mm

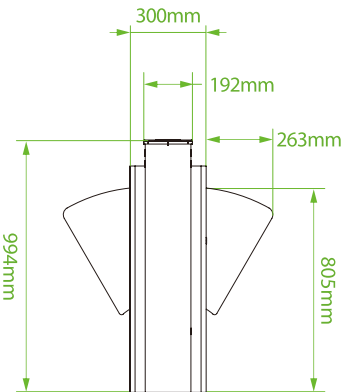
Top View



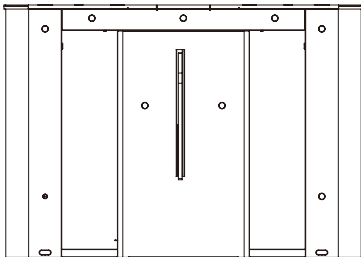
Side View



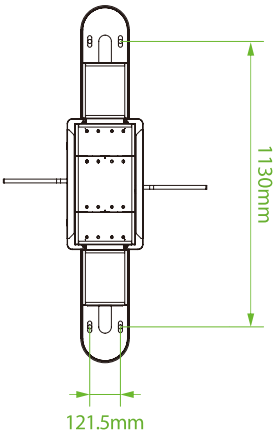
Front View



Side View



Bottom View

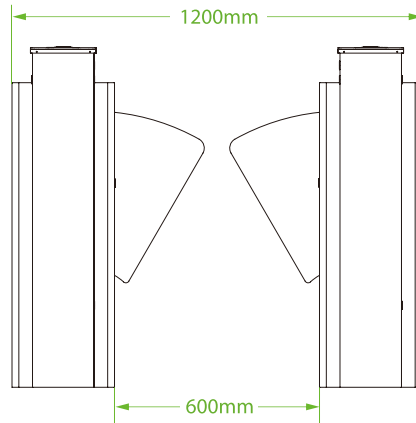


3 System Composition

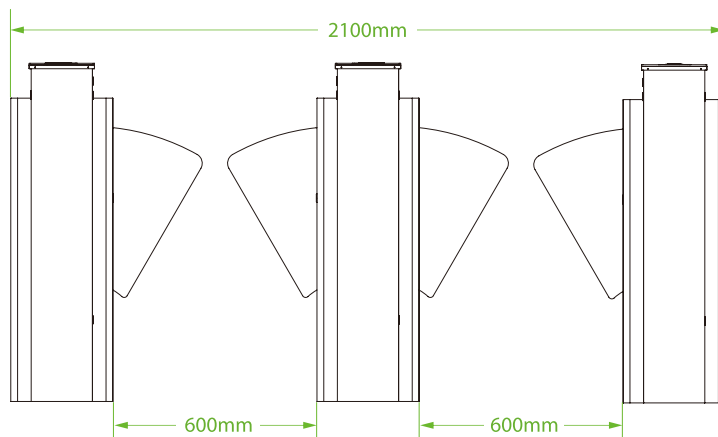
The FBL6000 Pro and FBL6200 Pro can be combined to form a single, dual or multi-lane system, and users can choose the appropriate combination according to actual needs. It should be noted that FBL6200 Pro needs to be used in conjunction with FBL6000 Pro.

● Single-lane

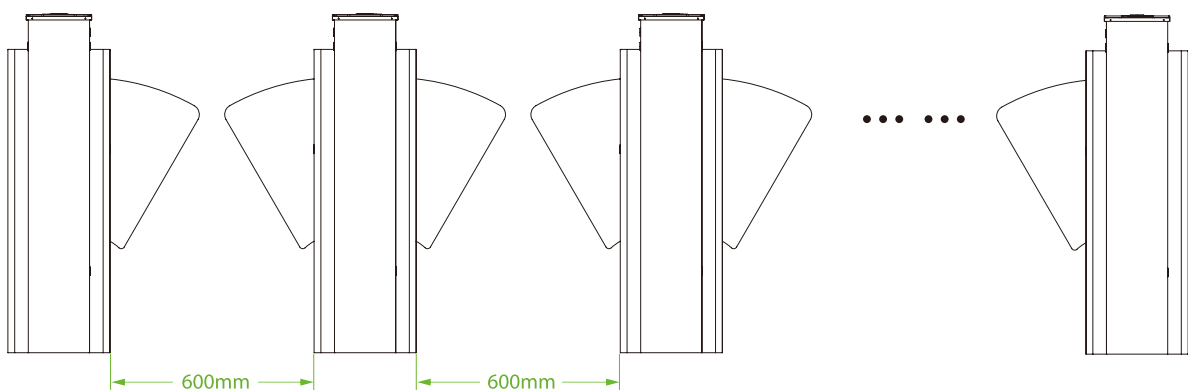
Unit: mm



● Dual-lane

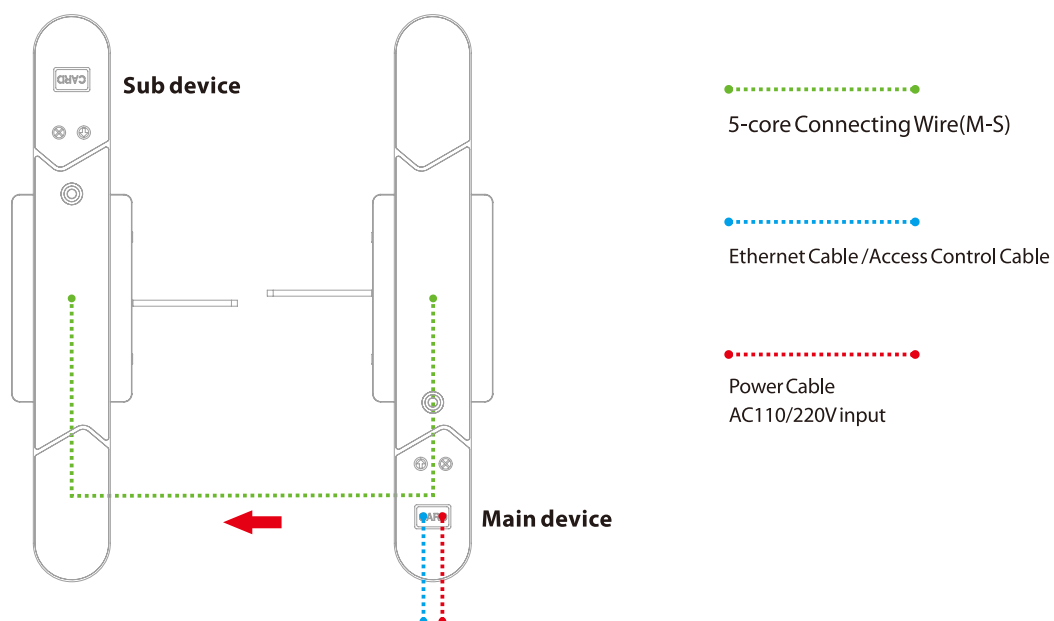


● Multi-lane

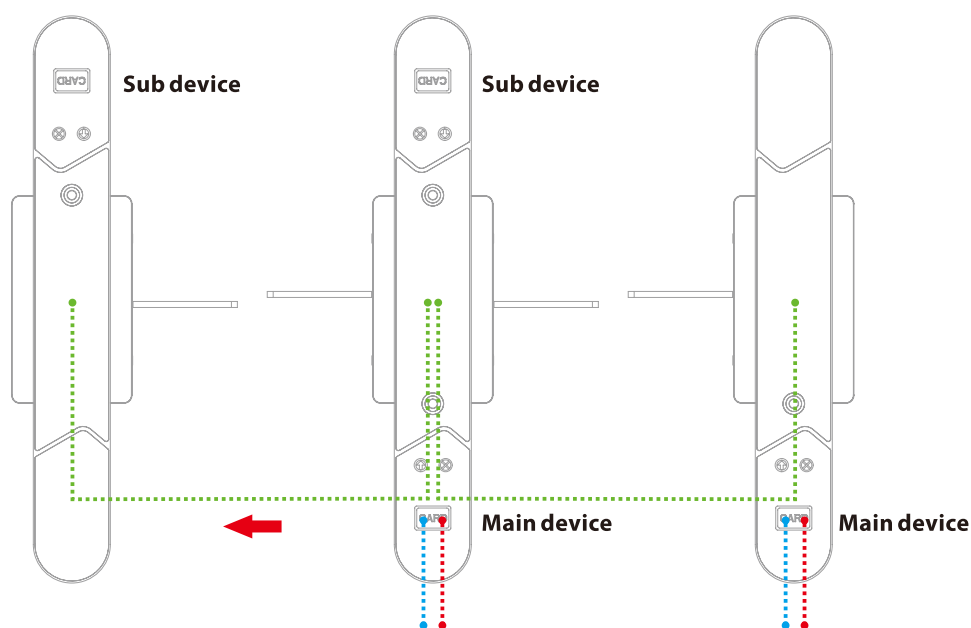


4 Wiring

● Single-lane wiring



● Dual-lane wiring



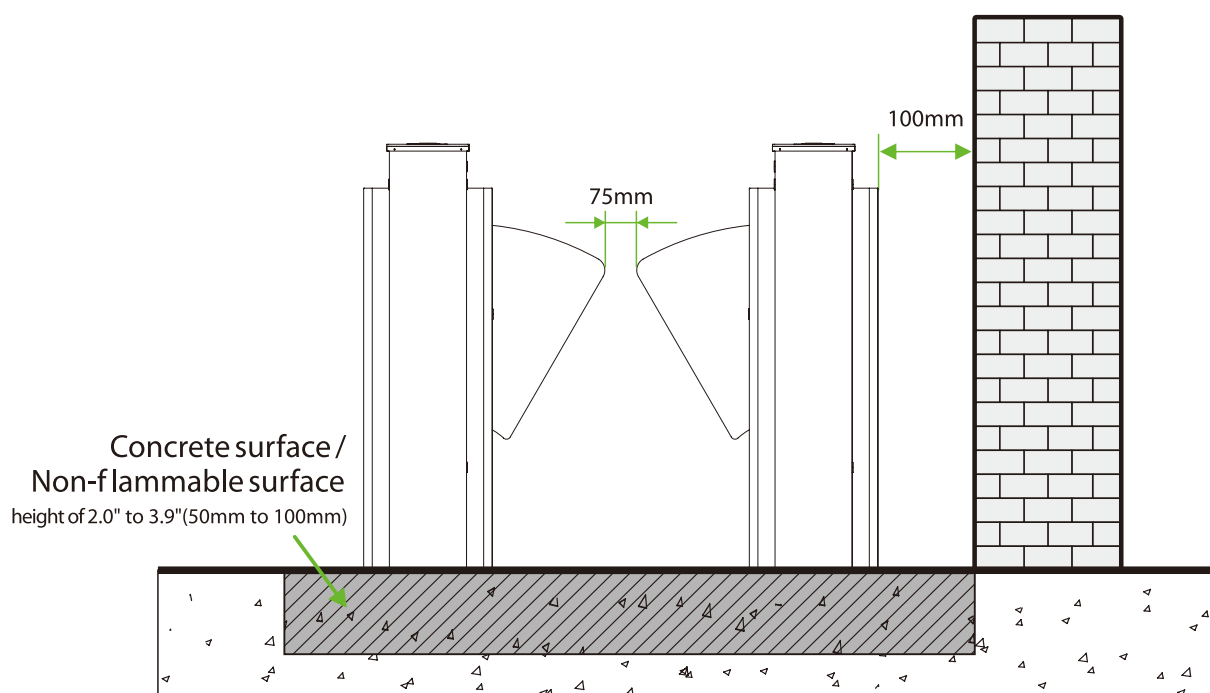
Remarks: The multi-lane wiring method is similar.

5 Installation Requirements

1. It is recommended that the turnstile must be installed on a horizontal solid platform with a height of **2.0" to 3.9"(50mm to 100mm)**.
2. It is recommended that the turnstile should not be used in the corrosive environment.
3. Make sure that the ground wire of the system is securely connected to avoid personal injuries or other accidents.
4. After installation, check if the connection has been done correctly at the connecting points of the ground wire, at the connector assemblies and wiring points of the circuits, as well as at each movable part of the turnstile. Any loose nuts, screws and other fasteners should be tightened in time to avoid any failures caused by long-time operations.

6 Installation Environment

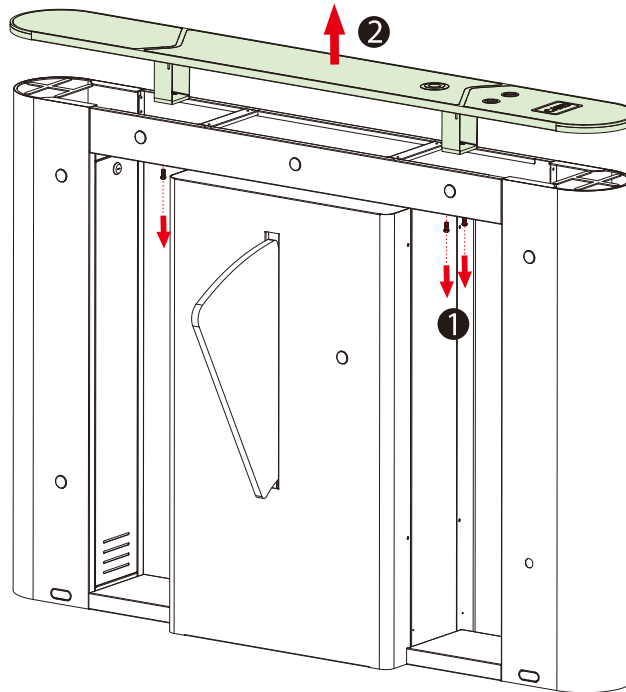
1. Before installation begins, prepare installation tools, check the device and the accessories, and clear the installation base.
2. Make sure that the appliance is mounted on a concrete surface or other non-flammable surfaces.
3. The installation position of the turnstile depends on its size. A distance of **3.9"(100mm)** between the turnstile and the wall needs to be reserved for ease of opening the top lid of the turnstile to perform maintenance and adjustment. The reference figure is shown below:



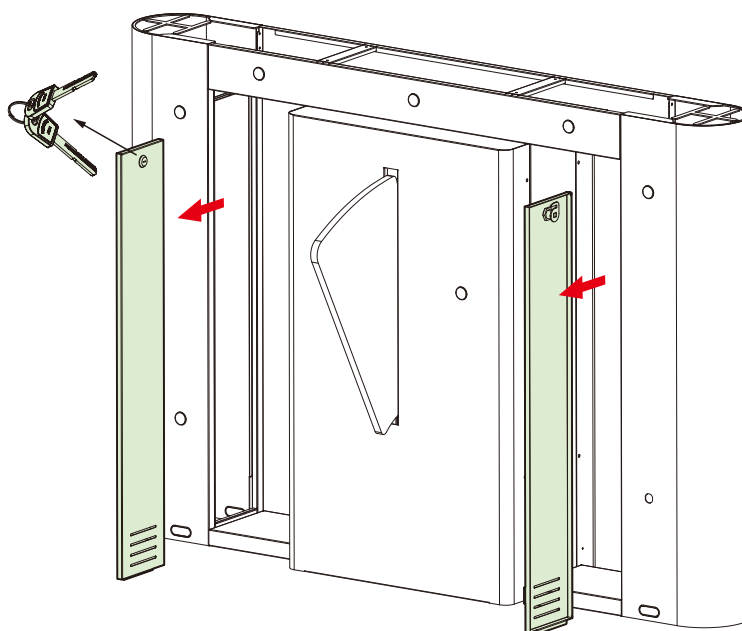
7 Installation Cabinet

Step 1 Remove the Top Lid and Chassis Cover

1. Loosen the four screws in the positions shown in the picture below. Then remove the top cover upwards.

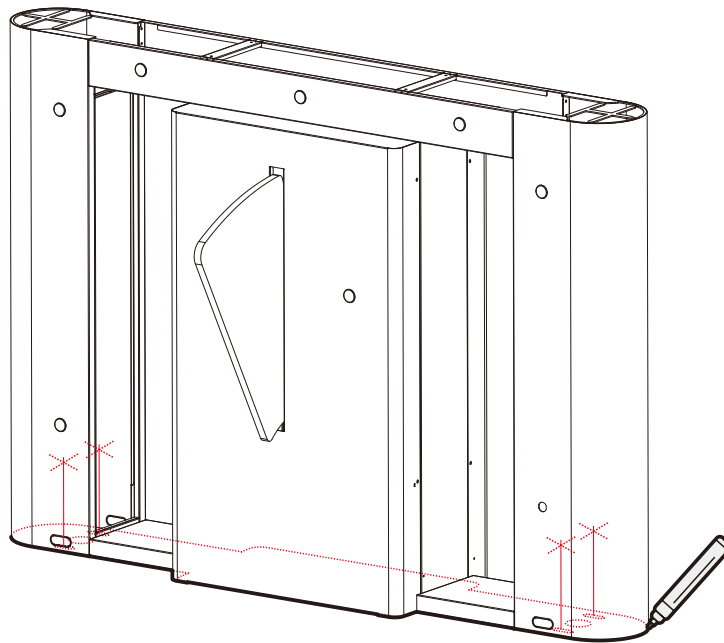


2. As shown below, use the key to open the chassis covers on both sides and remove them.



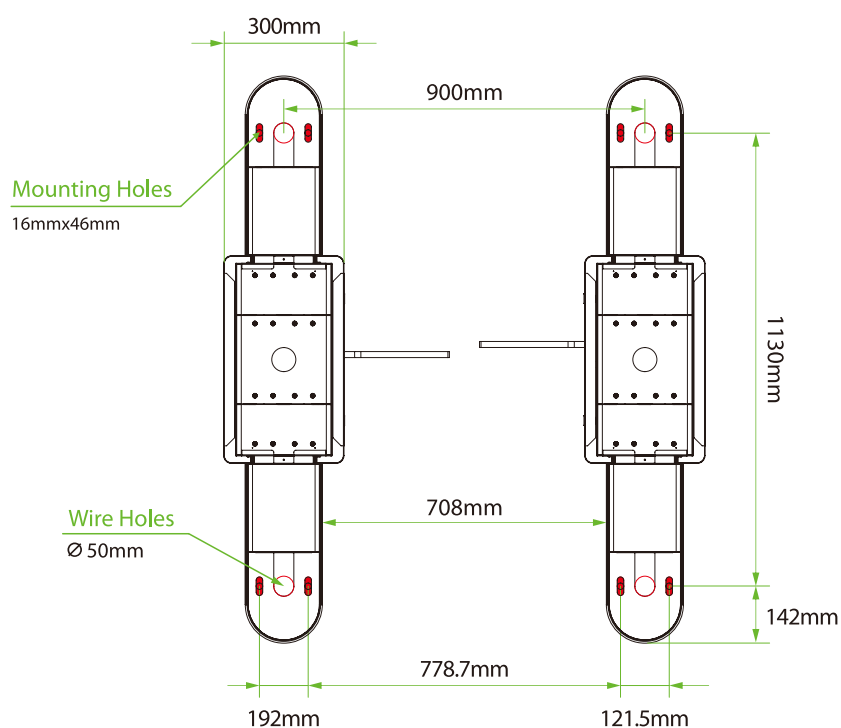
Step 2 Marker Position

Draw the location of the cabinet with a marker and mark each location of the mounting holes. There will be a total of four mounting holes and two wire holes per cabinet.



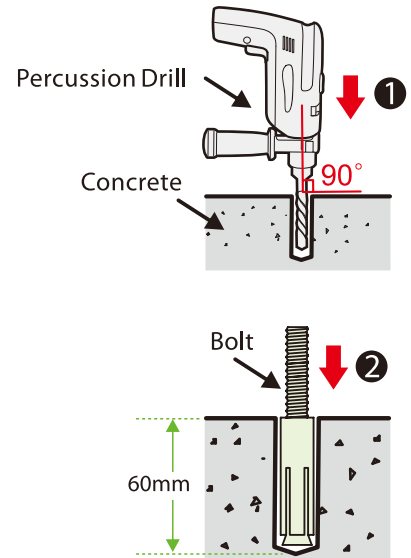
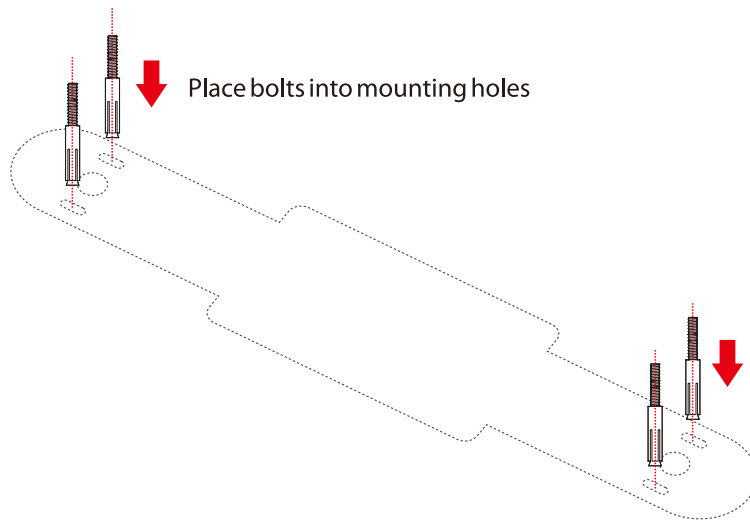
Step 3 Determine the mounting location

1. Please refer to the user's manual and complete the **power-on self test** operation before installation.
2. Then place the cabinets according to the mounting distances shown in the diagram below. Take care to measure the distance between the bottom inside walls of the cabinets on the entrance side and exit side of the channel and make sure that the measurements are consistent.



Step 4 Drill holes and place bolts

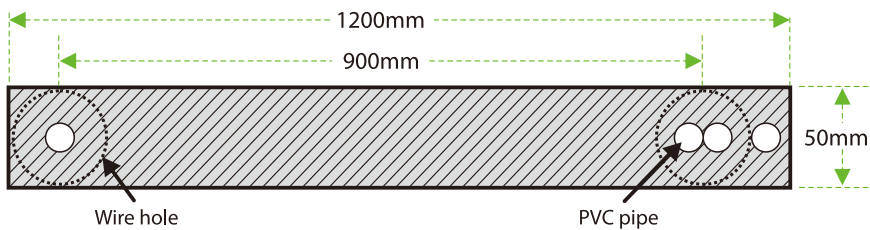
1. Using a concrete drill bit, drill the mounting holes **2.4" (60mm)** in depth at the center of each marked location.
2. Then insert the bolts vertically into the mounting holes as shown at right.
3. Ensure expansion bolts are properly seated by applying three to five light taps with a rubber mallet until flush with the concrete surface. Verify anchor stability before proceeding.



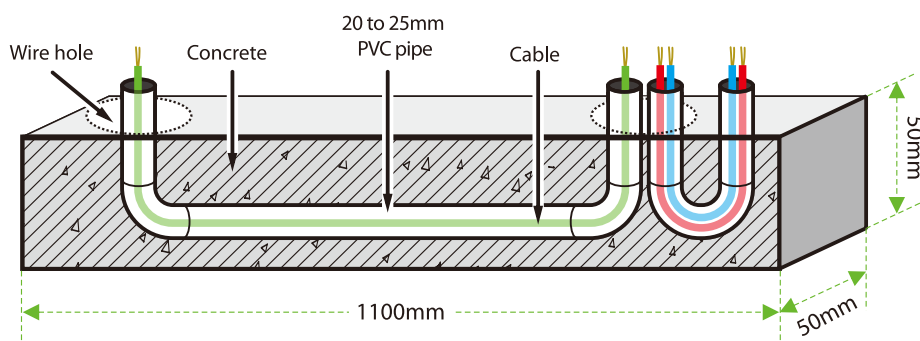
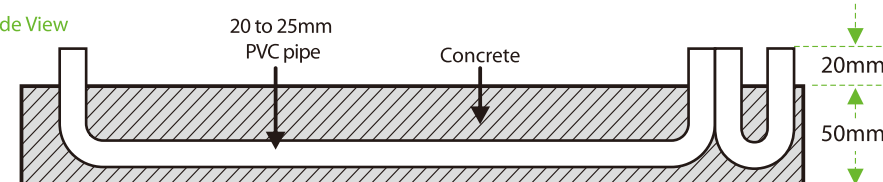
Step 5 Wireway laying

1. Dig a recess of **2.0" (50mm)** depth between the wire holes on both sides of the channel with the dimensions shown below. Recesses can be dug at positions **1** and **2**.
2. Then lay two **0.8" to 1.0" (20 to 25mm)** diameter PVC pipes as shown below.
3. After threading the cable out of the PVC pipe, pour concrete to fix it in place.

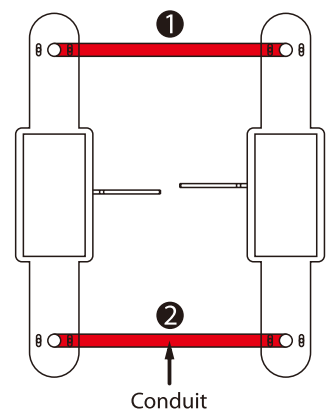
Top View



Side View



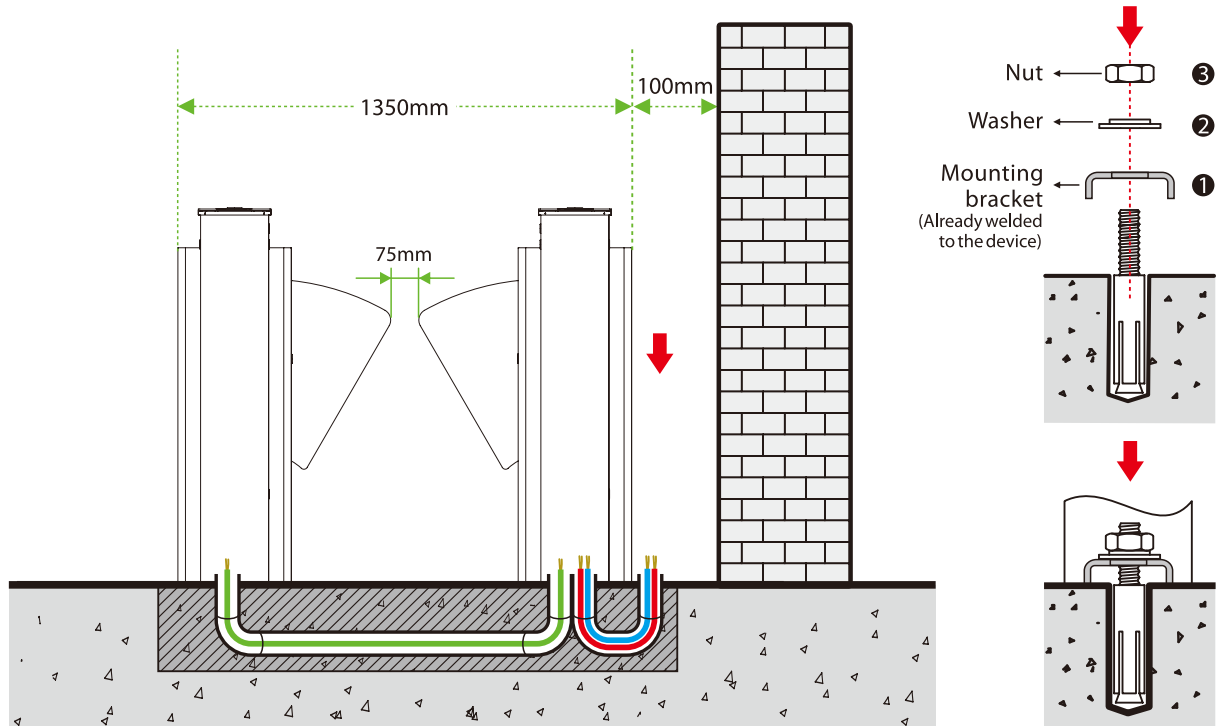
Position of the notch:



- 5-core Connecting Wire(M-S)
- Ethernet cable / Access control cable
- Power cable

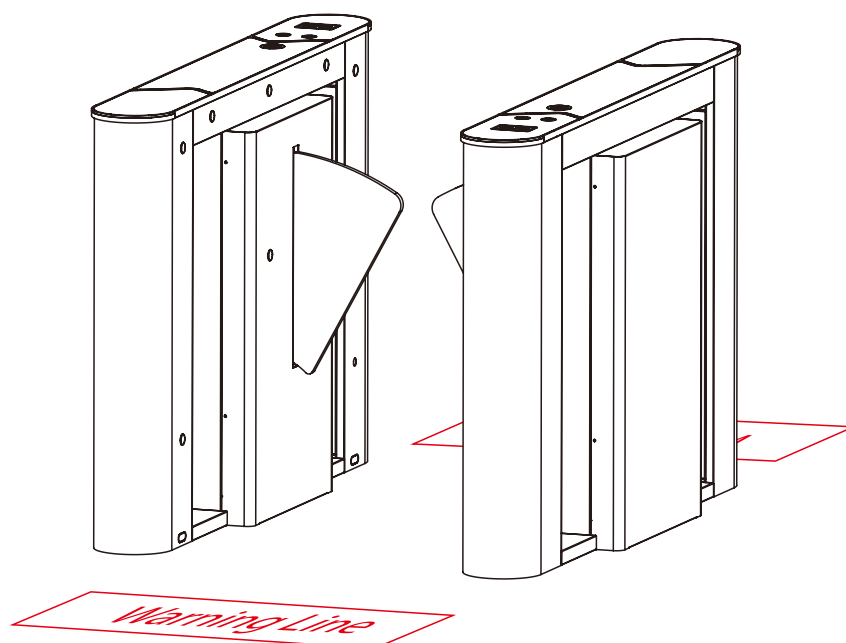
Step 6 Fixed cabinet

1. After laying the PVC pipe, place the cabinet alignment bolts back into the mounting position.
2. Then insert the eight washers and nuts into the bolts one by one.
3. Tighten the nuts to hold the cabinet in place. Don't tighten it completely until after you're sure it won't move anymore. The finished result is shown below:

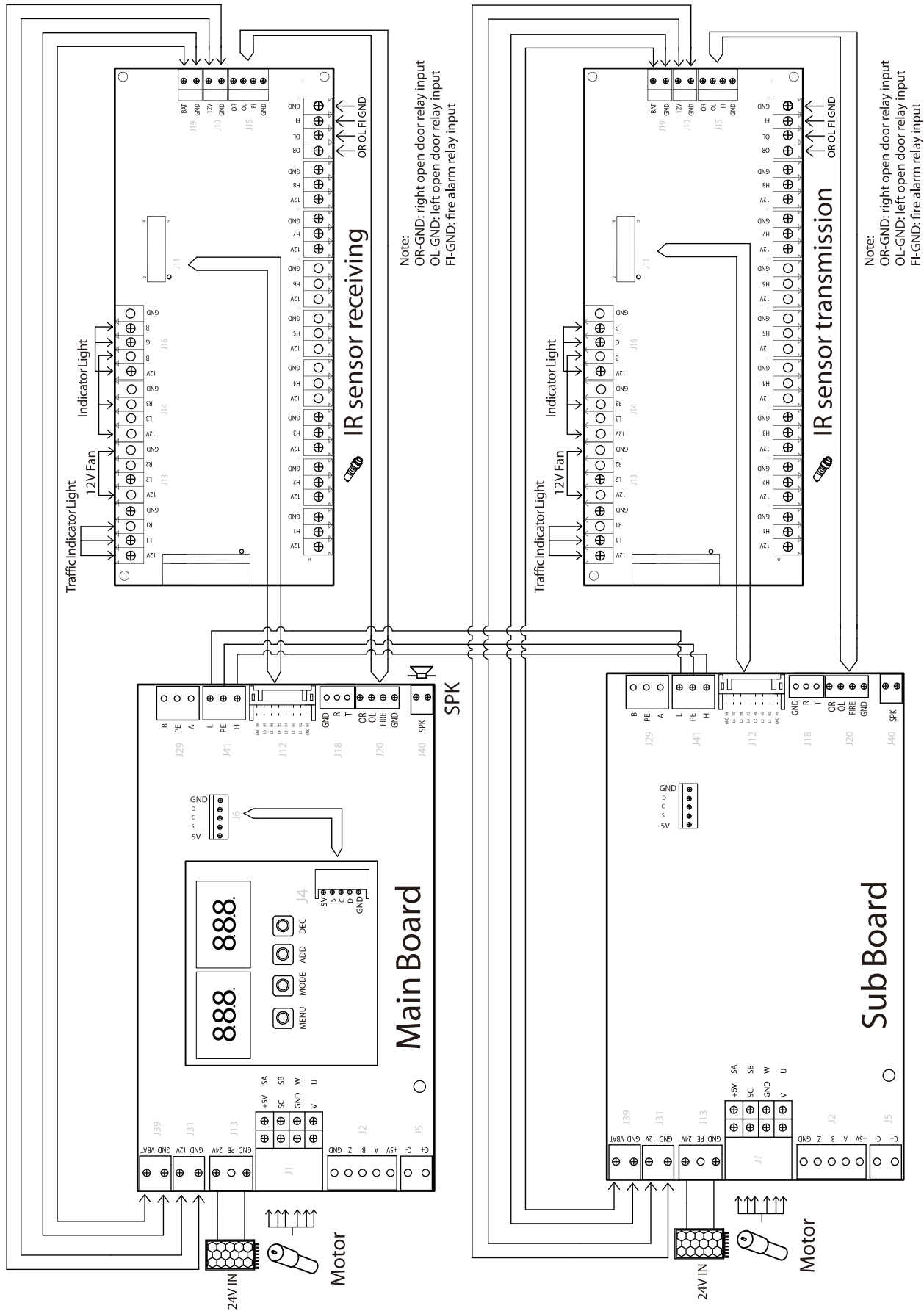


Step 7 Marking the warning line

1. It is recommended that warning lines be marked on the ground and used to alert users.
2. A warning line can alert users to wait outside the line until the previous user completes the verification process and passes through the turnstile.



8 Wiring Diagram



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