



MAC Portal Access Control Wiring

MAC portals delivered without an access control system are pre-wired to accept a system. The wires are pulled to the appropriate locations, labeled on both ends, but ARE NOT TERMINATED. Turnstile top channels must be removed to make the terminations when installing the access control system.

For EACH turnstile lane, the wiring arrangement is:

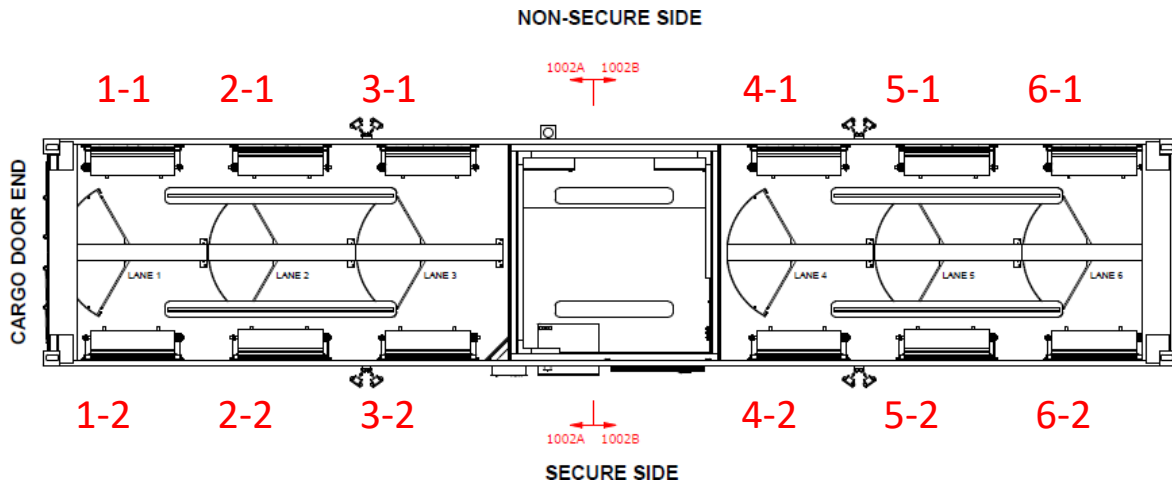
- Two 22-6: From card reader mounting plate to the access control panel location: one for entry card reader, one for exit card reader.
- Two CAT6: From card reader mounting plate to the access control panel location: one for entry card reader, one for exit card reader.
- Two 18-2: From turnstile top channel PCB location to access control panel location: one for Access Granted clockwise (exit), one for Access Granted counterclockwise (entry).
- Two 22-2: From turnstile top channel PCB location to access control panel location: one for Rotation Detection Switch (Boon Edam) / Optical Sensor (Alvarado), one for other options such as fire alarm.

Low Voltage Wire Labeling

Access control wiring is labeled per turnstile lane from 1- x, starting at the far right from the NON-SECURE (entry/public/parking lot) side.

Single Turnstiles:

Entry rotation is counterclockwise. Exit rotation is clockwise.



Tandem Turnstiles:

Odd numbered lanes: Entry rotation is counterclockwise. Exit rotation is clockwise.

Even numbered lanes: Entry rotation is clockwise. Exit rotation is counterclockwise.

