# MODULAR DOOR CONSTRUCTION

**Application:** Large-size steel door constructions exceeding standard production dimensions.

**1. General Description:**

Due to production limitations related to stock coil steel widths and maximum bending dimensions, doors exceeding 2650 mm height and exceeding 1350mm width for single leaf and 2600mm width for double leaf are manufactured in two separate sections and assembled into a single door leaf. The connection area between the two sections is structurally reinforced using internal support plates manufactured from 0,8 mm steel, structural profiles, and riveted connections.

**2. Door Construction Details:**

»Door leaves above 2650 mm height are constructed from two individual steel sections.
»The joint area is reinforced internally with galvanized steel support plates and structural profiles.
»Mechanical fixing is achieved using rivet connections.
»Connection areas are concealed using decorative and protective cover applications according to customer preference.
»All cover applications are fixed mechanically with rivets.
»Silicone sealing is applied between the cover plate and door surface where applicable.

**3. Connection Cover Applications:**

**Option 1 – Stainless Steel Cover Plates**

»0,8 mm stainless steel kick plate or stainless steel accessory backing 0,8 mm plate applied at the connection area.
»Fixed to the door surface using stainless steel rivets.
»Silicone sealing applied between stainless steel plate and painted door surface.
»Recommended for premium architectural appearance and corrosion resistance.

**Option 2 – Powder Coated Galvanized Steel Plates**

»0,8 mm galvanized steel cover plates finished with powder coating.
»Coating color matched to the door surface color.
»Fixed using rivets.
»Silicone sealing applied beneath the plate for surface protection and sealing.

**Option 3 – Decorative Narrow Slats**

»Narrow slats with crush-folded detailing from 0,8 mm powder coated galvanized steel applied over the connection area for aesthetic integration and increased rigidity.
»Installed using rivet fixing.
»For width-related limitations, only vertical slat application is possible.
»Connection points remain internally reinforced with structural profiles and support plates.

**4. Technical Notes:**

»Internal reinforcements are integrated within the door construction and are not visible from the exterior.
»All rivet applications are selected according to material compatibility and corrosion resistance requirements.
»Silicone application improves sealing, vibration damping, and surface protection.
»Final cover application type is subject to customer approval and project specifications.

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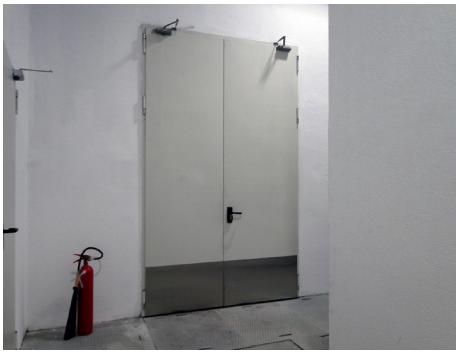

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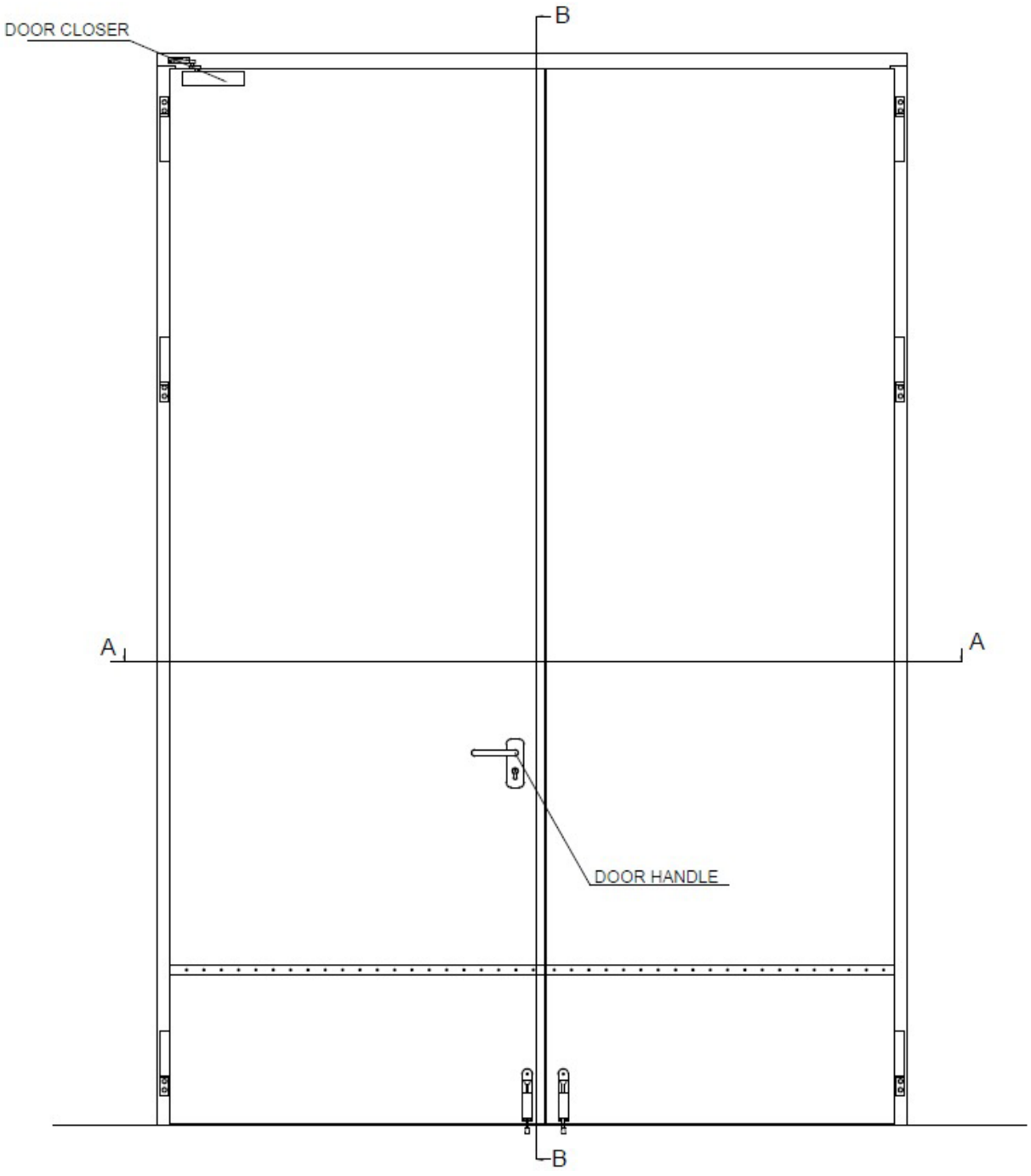
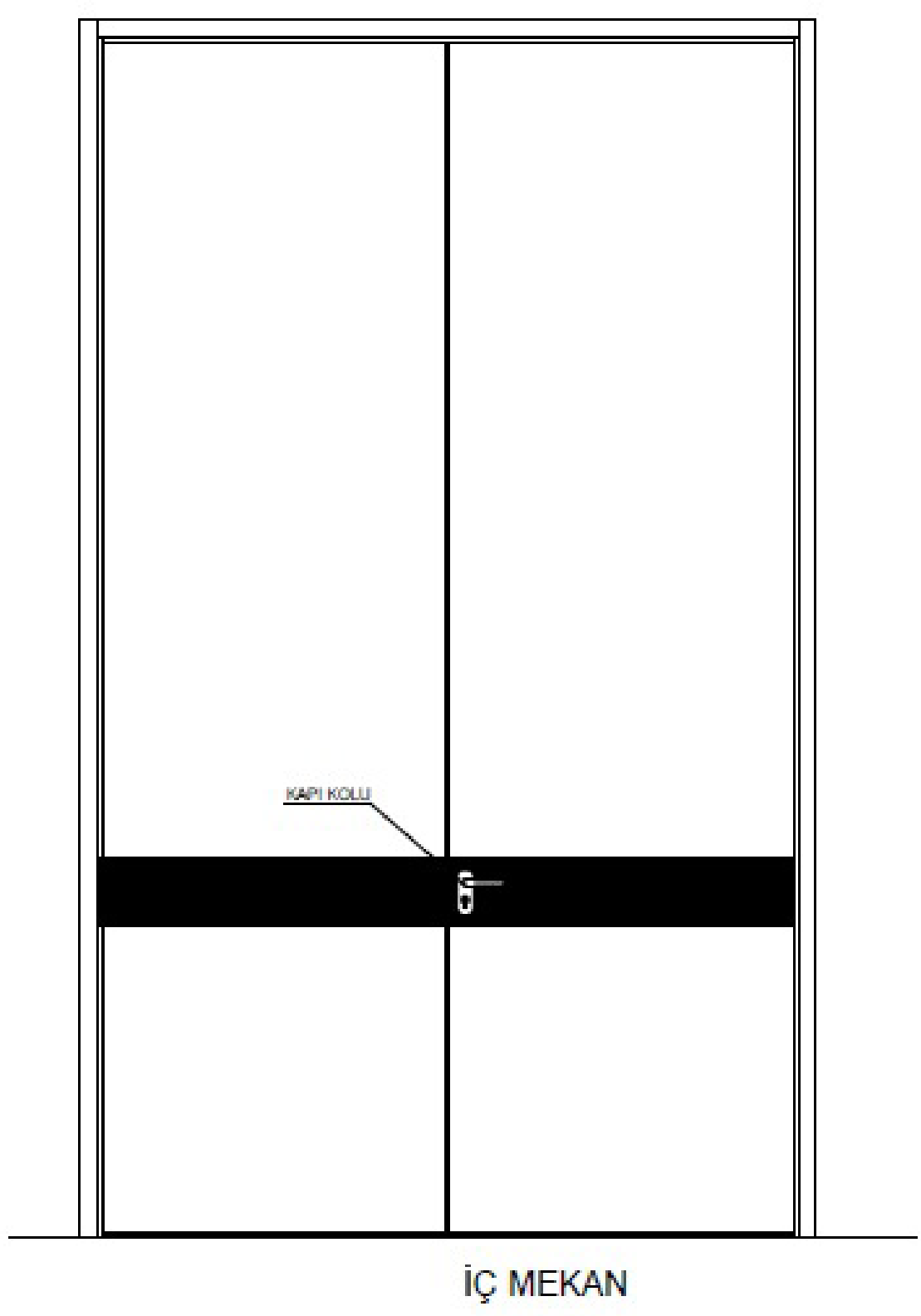



## HORIZONTAL SLAT COVER

# MODULAR DOOR CONSTRUCTION




## HORIZONTAL STAINLESS STEEL ACCESSORY BACKING COVER

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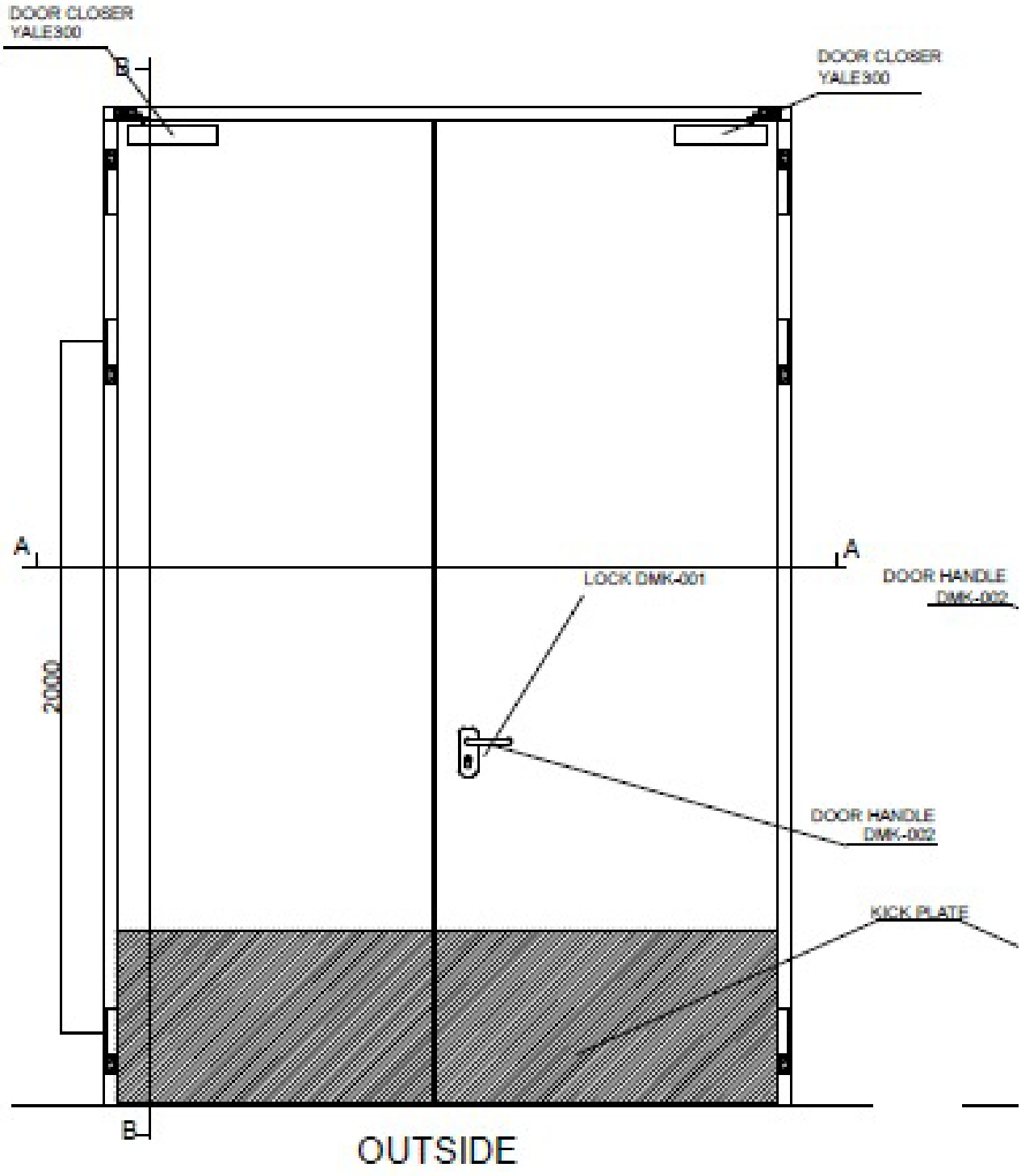
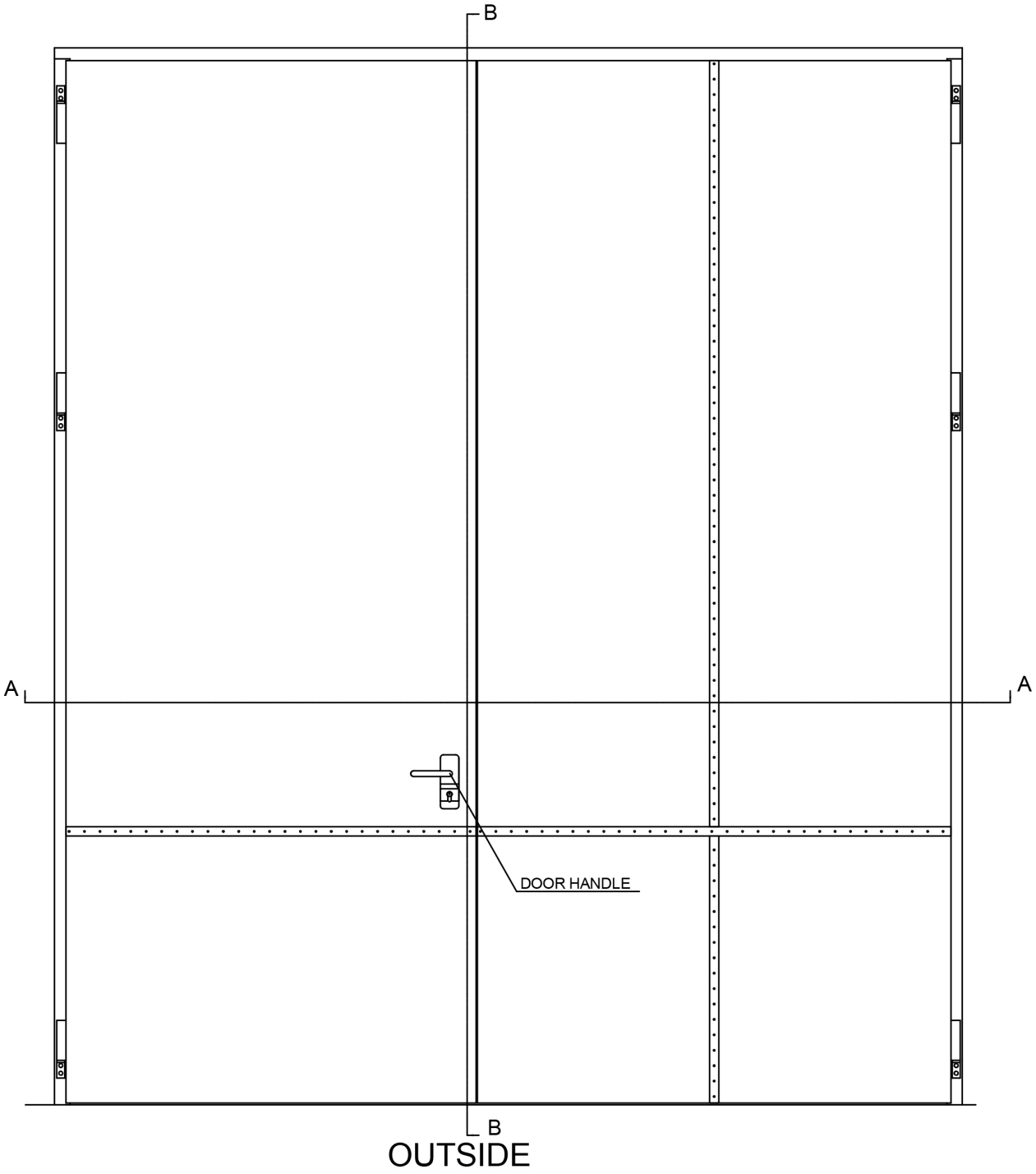



## HORIZONTAL STAINLESS STEEL KICKPLATE COVER

# MODULAR DOOR CONSTRUCTION




## HORIZONTAL AND VERTICAL SLAT COVER COMBINED