

COMMERCIAL ACCESS AND SECURITY

Rolling Steel Service Doors

A compact, durable door system built around the way your opening works.

APPLICATION SUMMARY

Rolling steel service doors coil above the opening, preserve valuable floor and wall space, and provide dependable security for warehouses, service facilities, counters, storefronts, and mixed-use commercial buildings.

COMMON APPLICATIONS

- Warehouses and distribution facilities
- Auto service and maintenance bays
- Storefronts and secure counters
- Storage, utility, and equipment rooms
- Exterior openings where swing space is limited

DOCUMENT STATUS

Draft 2026-07-24

TECHNICAL REVIEW

Jovany technical approval pending

Use this guide to begin coordination. Final selections require an approved manufacturer/model and verified field dimensions.

01 **Standard features**

- Interlocking metal curtain selected for the opening and duty cycle
- Structural steel guides and head plates coordinated with the mounting condition
- Counterbalance barrel assembly sized for the curtain weight
- Bottom bar with an astragal or sensing edge when specified
- Protective hood available where the coil requires coverage
- Manual push-up, chain-hoist, or motor-operated configurations

OPERATION

Manual push-up

Appropriate for smaller, lighter openings where the selected assembly can be operated safely by hand.

Chain hoist

Provides mechanical advantage for larger curtains without requiring an electric operator.

Motorized

Supports frequent operation and can be coordinated with controls, safety devices, access systems, and available power.

02 **Available options**

- Slat profile and metal gauge selections
- Wind-load reinforcement where required by the project
- Vision panels, perforated slats, or ventilated curtain configurations
- Weather seals at guides, hood, and bottom bar
- Electric operator, controls, safety devices, and access-control preparation
- Powder-coated, painted, galvanized, or stainless finishes where available

03 **Materials and finishes**

CURTAIN

Galvanized steel is the common planning basis; stainless steel and other approved curtain materials depend on the selected assembly.

GUIDES AND BRACKETS

Formed or structural steel components selected for the opening size, exposure, mounting surface, and operating method.

FINISHES

Factory finish, powder coat, painted finish, galvanized steel, and selected stainless options are confirmed by product line.

INSULATION NOTE

Where thermal performance or air control is a priority, review the insulated rolling steel door category instead of assuming a single-skin curtain will meet the project goal.

04 Opening coordination

Typical width range	Counter openings through large commercial openings, within the limits of the selected manufacturer and model.	Final clear-opening width must be field verified before fabrication or ordering.
Typical height range	Service-counter heights through full-height vehicle and equipment openings, subject to model limits.	Curtain height affects coil diameter, barrel selection, hood size, and operator requirements.
Required headroom	Project-specific.	Confirm coil diameter, hood, brackets, structure, utilities, and operator clearance for the selected assembly.
Required sideroom	Project-specific on both sides, with additional space commonly required at the drive side.	Confirm guide depth, bracket plates, motor or chain-hoist location, and service access.
Backroom / projection	Limited primarily by the coil, hood, guides, and operator projection.	Coordinate with beams, sprinklers, conduit, lights, ductwork, and other overhead conflicts.

05 Basic component information

CURTAIN

Interlocking slats form the moving barrier and are selected by material, profile, gauge, exposure, security needs, and opening size.

BARREL

The steel pipe and counterbalance assembly supports the curtain and helps control its travel.

HOOD

A formed metal enclosure protects the coiled curtain and helps create a finished appearance where specified.

OPERATOR

Push-up, chain-hoist, or electric operation is selected around curtain size, cycle needs, controls, safety, and available power.

GUIDES

Vertical assemblies retain the curtain edges and transfer operational and wind forces into the supporting construction.

BRACKETS

Head plates support the barrel, counterbalance components, and operator at each side of the opening.

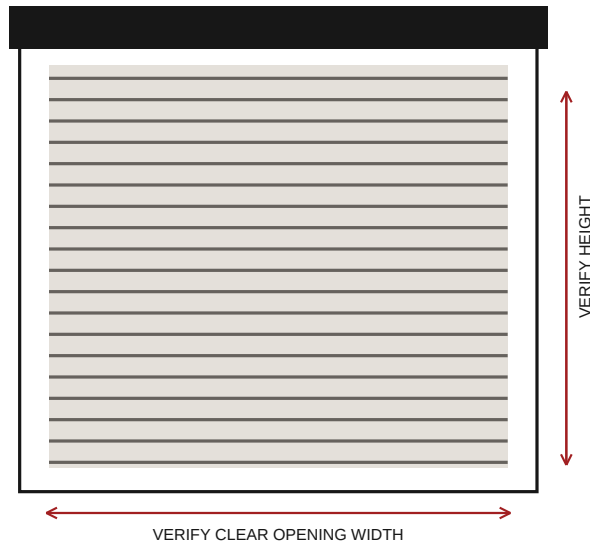
BOTTOM BAR

The reinforced lower edge stabilizes the curtain and can carry seals, locks, or a monitored sensing edge.

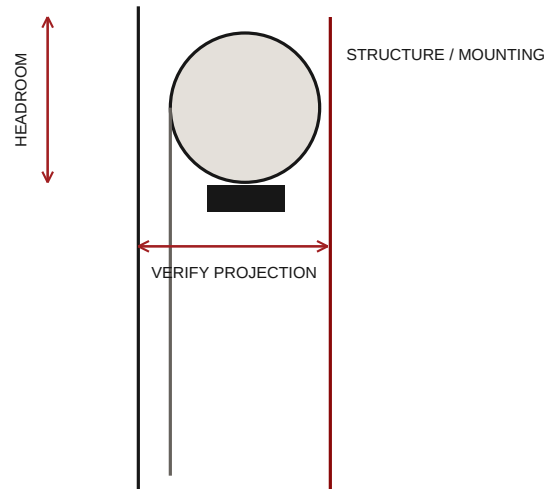
06 Diagrammatic coordination views

These diagrams communicate the locations that must be coordinated. They are not scaled shop drawings and contain no product-specific dimensions.

FRONT ELEVATION



SIDE SECTION



COORDINATE BEFORE SELECTION

- Clear opening width and height
- Wall construction and mounting face
- Headroom, sideroom, and drive-side access
- Structure, utilities, and overhead conflicts
- Operation, power, controls, and safety devices
- Exposure, finish, seals, and service access

Plan the opening with BPT.

Share the opening, intended use, site conditions, and available drawings. BPT can help define the next step before a quote is prepared.

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