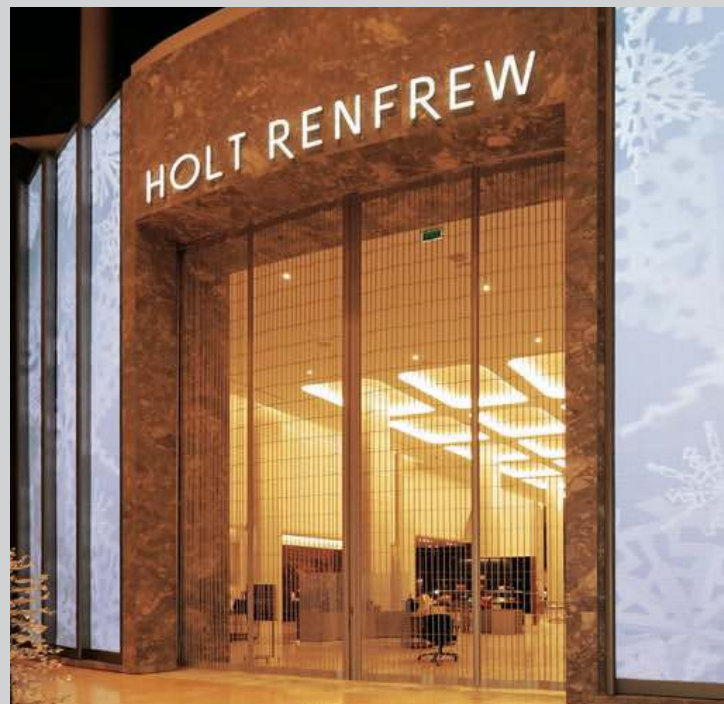




SIDE FOLDING

PLANNING
GUIDE



INNOVATIVE DESIGN. INTELLIGENTLY SIMPLE.



Security Doors That Play Well With Others

Dynamic Closures offers an incredible variety of security doors that are easy to install, easy to use, and support project intent. Our doors:

- Harmonize with site architecture.
- Work with the look and feel of established brands.
- Help achieve client goals, e.g. showcasing products to window shoppers.
- Offer a variety of innovative solutions to technical challenges.

Our dedicated team of support experts will help you find the right model for your project, provide assets for diagrams, verify Div 08 specifications, and even create custom CAD files.

Call: 1-800-663-4599
Monday to Friday, 8AM – 5PM Eastern

“Dynamic's assistance with early, schematic stage planning and layout helps to ensure that adequate space for door pockets and ceiling tracks are accounted for in the design and gives us confidence moving forward that there will not be any dimensional surprises further into the project.

The team at Dynamic understands our needs as designers and always suggests the right door and pocket to use that match the requirements and desired look of the project. If your project requires a security door I would recommend engaging the team at Dynamic as early as possible and they will become an invaluable part of the design team. ”

— Kevin R. Nowak, AIA, LEED BD+C
EwingCole

A DOOR FOR EVERY BRAND

No matter the style, we have the right door. Dynamic has created doors for customers like:

HOLT RENFREW



BURBERRY



LCBO

MONT BLANC



BENEFITS OF SIDE FOLDING DOORS FROM DYNAMIC CLOSURES

Almost Limitless Creative Possibilities

We offer aluminum, polycarbonate, and even tempered glass panels. There are a variety of panel widths and grille patterns to choose from, and one series (the Slim Line) has models without horizontal lines). There are even options for panel width.

Available finishes include clear anodized, architectural anodized (bronze or black), and our grilles can be powder-coated from the RAL palette. Powder-coating is more eco-friendly than paint, and the results are superior in terms of quality and durability.

Door curtains can be almost any width and have heights up to 14' (and even higher with custom doors).

Your door can have almost any degree of custom curvature. We build our tracks in-house for faster, better quality results.

Variety of Installation Options

Some doors, like the EZ, come with a pre-built pocket for faster installation. For other doors, your contractor can build a holding pocket to suit the overall look and feel of the space.

Need a security door to fit within an existing pocket? The Slim Line is a great fit for retrofit applications. It fits between 6-inch commercial wall studs, making retrofit headaches vanish.

Emergency Egress Doors Available

Emergency egress “door within a door” exits allows staff to escape if something goes wrong. Our doors can be made to comply with the strictest fire codes.

ADA Compliant Options

If you need a door that can be used by people in wheelchairs, ask about ADA compliant locks and hardware.

Loaded With Features End Users Love

Facility owners and staff love the ease of use and durability of Dynamic Closures doors thanks to clever details like:

- Smooth-sliding doors are easy to open and close, and perform for decades.
- Single-piece hinge eliminates ugly “hinge stains” that can creep up over time.
- Dust-proof floor sockets and health-code compliant food counter sockets.
- User-friendly locking posts are highly adjustable.
- Easy to change locks.
- Optional maglock.

Feel Good About Using Advanced Eco-Friendly Materials

The materials in our doors are lighter, stronger, and just plain better – but are made with fewer resources. That’s a step in the right direction that benefits everyone.

Our Experts Make Designing Easier And Faster

Get fast, expert answers from our experienced customer support team. They can do everything from providing ideas to providing pre-made CAD elements for your final plans.

Each door has its own list of features and benefits. If you’d like help navigating the options, just talk to us.

Call: 1-800-663-4599

Monday to Friday, 8 AM – 5 PM EST



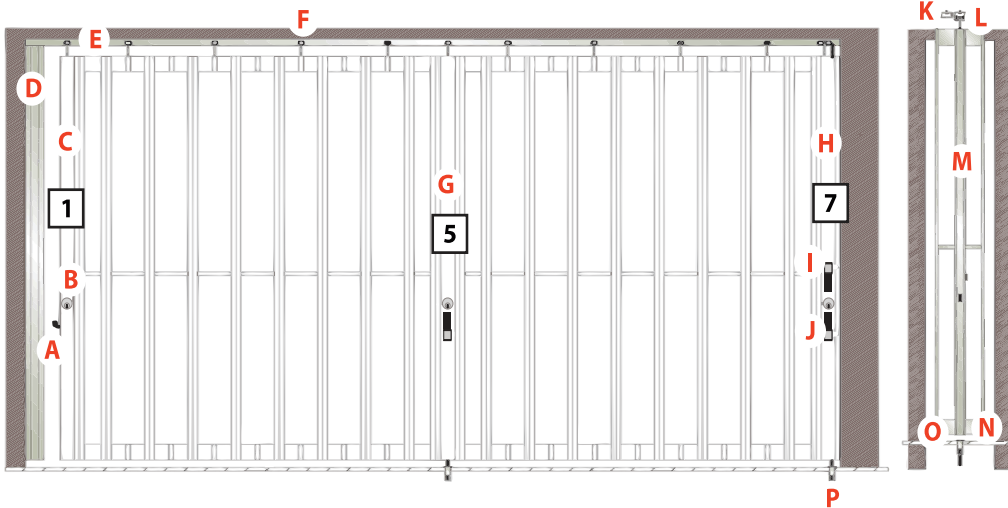
Side Folding Details & Design

Posts

- 1. Wall Channel:** A floor-to-track extruded aluminum channel that the hookbolt fits and locks into. This channel is secured permanently to the wall.
- 2. HookBolt Lead:** One of the options for the leading edge of the door. This Post has a hookbolt lock that secures it to the Wall Channel. Optional **Double Hookbolt** or **Top Locking** available.
- 3. Bipart:** A pair of posts that lock together with a hookbolt, with an added lock rod to keep curtain in place. It is used to separate larger doors into manageable sections, or to split the door to stack in two different directions. Doors should have at least one Bipart Post for every 30' [9144 mm] of width. Optional **Top Locking** available.
- 5. Intermediate Post:** A middle post in a door located between door sections, containing a spring-loaded lock rod that engages a floor or counter socket to keep the door in place. As well as being located at intervals (no more than 10' [3048 mm]) along straight sections of door, Intermediate Posts should be placed on or near the center of curves.
- 7. Top and Bottom Locking Post:** One of the options for the ends of a door. Spring-loaded lock rods engage a Floor or Counter Socket and the track support, and are unlocked with a keyed cylinder or thumbturn. Optional leading edge treatments include rubber bumper, flange, or blank face.
- 9. Traveling End Post:** The Trailing Post terminates a door inside of storage area. It is free to travel back and forth inside of the pocket. The post self-locks into the permanent header and floor stops, preventing the door end from leaving the pocket. A rear flange helps fill the opening to the side of the post to prevent reach through.
- 10. Fixed End Post:** Fixes the end of a door permanently to a wall or structure.



Side Folding Curtain Diagram



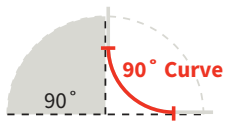
- A** Hook Bolt
- B** Keyed Cylinder Lock
- C** Lead Locking Post
- D** Full Height Wall Channel
- E** Track
- F** Trolleys
- G** Intermediate Post
- H** Top and Bottom Locking Post
- I** Shoot Bolt Knob
- J** Drop Bolt Knob
- K** Header Stop
- L** Standard Non Adjustable Hanger.
Top of Curtain to Bottom of Track.....1 1/2 in.
- M** Minimum Clear Pocket Width
Slim Line.....5 in.
Standard.....8 in.
Wide Body.....13 in.
- N** Bottom of Curtain to:
FFL.....1 1/4 in.
Counter3/4 in.
- O** Drop Bolt
- P** Drop Bolt Socket

SIDE FOLDING DETAILS

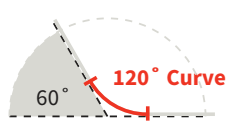
Curve Details

Outstanding layout designs and thoughtful details are easily achieved with four stock curves.

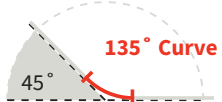
10 in./14 in./22 in. Radius



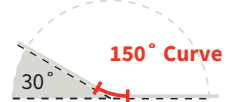
10 in. Radius



10 in. Radius



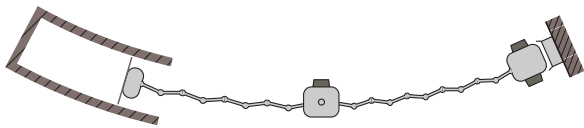
10 in. Radius



Radius	Curve	Curve Length
10 in.	90°	16 in.
	120°	10-1/2 in.
	135°	7-15/16 in.
14 in.	150°	5-1/4 in.
	90°	22 in.
22 in.	90°	34-1/2 in.

Special Curves

We can custom bend our track to match any curved opening. Custom curves in days not weeks. Call for details.



Model Technical Specifications

Model	Series	Material	Hinge Type	Pocket Width	Load Req.	Stack Ratio
SL 12 CS, SL 525 CS	Slim Line	Poly/Alum	1 Piece Cont.	5 in.	1.80 lbs per ft ²	10%
SL AG CS, SL AG PC, SL AG PS	Slim Line	Poly/Alum	1 Piece Cont.	5 in.	2.00 lbs per ft ²	10%
SL 154 GRILLE	Slim Line	Aluminum	Rod/Link	5 in.	1.00 lbs per ft ²	10%
SL OPAQUE	Slim Line	Aluminum	1 Piece Cont.	5 in.	2.20 lbs per ft ²	10%
SL PARAVENT	Slim Line	Perf Alum	1 Piece Cont.	5 in.	1.80 lbs per ft ²	10%
SL PRESTIGE	Slim Line	Polycarbonate	1 Piece Cont.	5 in.	1.60 lbs per ft ²	10%
EZ 12 CS, EZ 525 CS	EZ	Poly/Alum	1 Piece Cont.	5 in.	1.80 lbs per ft ²	10%
EZ AG CS, EZ AG PC, EZ AG PS	EZ	Poly/Alum	1 Piece Cont.	5 in.	2.00 lbs per ft ²	10%
EZ 154 GRILLE	EZ	Poly/Alum	Rod/Link	5 in.	1.00 lbs per ft ²	10%
EZ OPAQUE	EZ	Aluminum	1 Piece Cont.	5 in.	2.20 lbs per ft ²	10%
EZ PARAVENT	EZ	Perf Alum	1 Piece Cont.	5 in.	1.80 lbs per ft ²	10%
EZ PRESTIGE	EZ	Polycarbonate	1 Piece Cont.	5 in.	1.60 lbs per ft ²	10%
FUTURA	Elite Classic	Tempered Lite	2 Piece Cont.	8 in.	3.20 lbs per ft ²	10%
EL OPAQUE	Elite	Alumium	1 Piece Cont.	8 in.	1.75 lbs per ft ²	6%
EL PARAVENT	Elite	Steel Perf	1 Piece Cont.	8 in.	1.15 lbs per ft ²	6%
EL PRESTIGE	Elite	Polycarbonate	1 Piece Cont.	8 in.	1.25 lbs per ft ²	6%
EL 126 B, EL 126 S	Elite	Aluminum	1 Piece Cont.	8 in.	1.15 lbs per ft ²	8%
EL 12, EL 525, EL AG	Elite	Aluminum	1 Piece Cont.	8 in.	1.45 lbs per ft ²	8%
WB FUTURA	Wide Body	Tempered Lite	2 Piece Cont.	13 in.	2.70 lbs per ft ²	7.5%
WB OPAQUE	Wide Body	Alumium	2 Piece Cont.	13 in.	2.80 lbs per ft ²	7.5%
WB PARAVENT	Wide Body	Steel Perf	2 Piece Cont.	13 in.	2.20 lbs per ft ²	7.5%
WB PRESTIGE	Wide Body	Polycarbonate	2 Piece Cont.	13 in.	2.10 lbs per ft ²	7.5%
SWB B, SWB S	Wide Body	Aluminum	2 Piece Cont.	13 in.	1.90 lbs per ft ²	7.5%

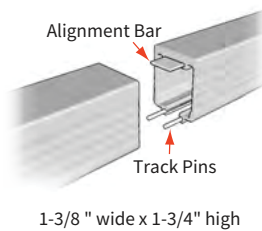
For more information, please visit www.DynamicClosures.com or contact Customer Service at 800-663-4599

Stacking Dimensions

Use the following formulas, substituting your curtain width and number of posts to estimate stack.

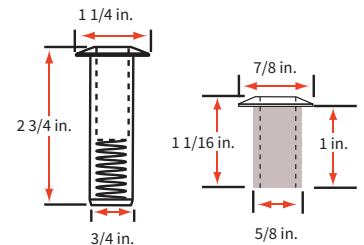
Stack Calculation	(Width Inches x N) + (Number of Posts x 3) = Estimated Stack Depth (Inches)
SL and EZ Series	N = 10% Example: 240 in. Curtain containing 3 posts (240 in. x 0.1) + (3 x 3) = 33 inches Estimated Stack
WB Series	N = 7.5% Example: 240 in. Curtain containing 3 posts (240 in. x 0.075) + (3 x 3) = 27 inches Estimated Stack
Elite Series (EL 126, EL 12, EL 525, EL AG)	N = 8% Example: 200 in. Curtain containing 3 posts (200 in. x 0.08) + (3 x 3) = 25 inches Estimated Stack
Elite Series (EL Opaque, EL Prestige, EL Paravent)	N = 6% Example: 200 in. Curtain containing 3 posts (200 in. x 0.06) + (3 x 3) = 21 inches Estimated Stack

Track



1-3/8" wide x 1-3/4" high

Dropbolt Sockets



Finishes

Choice of quality anodized finish on all exposed aluminium parts.

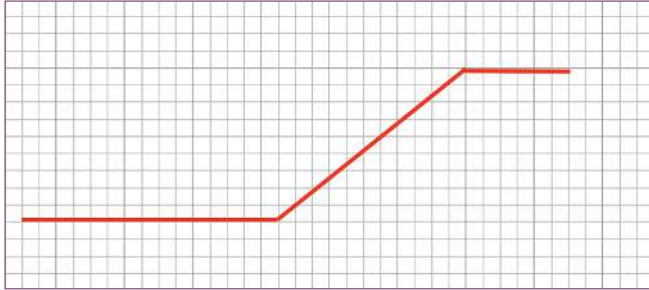


- RAL Powder Coat available (Elite and Wide Body).
- NOTE: Colors may not be exactly as illustrated. Cut and sheared edges will be bare aluminum.

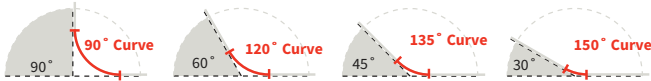
SIDE FOLDING PLANNING AND DESIGN GUIDE

Step 1 – Track Line

Layout the desired track line. Use straight lines, curves or a combination of both. There is no limit to the overall length of a side folding door.



In Stock curves include:



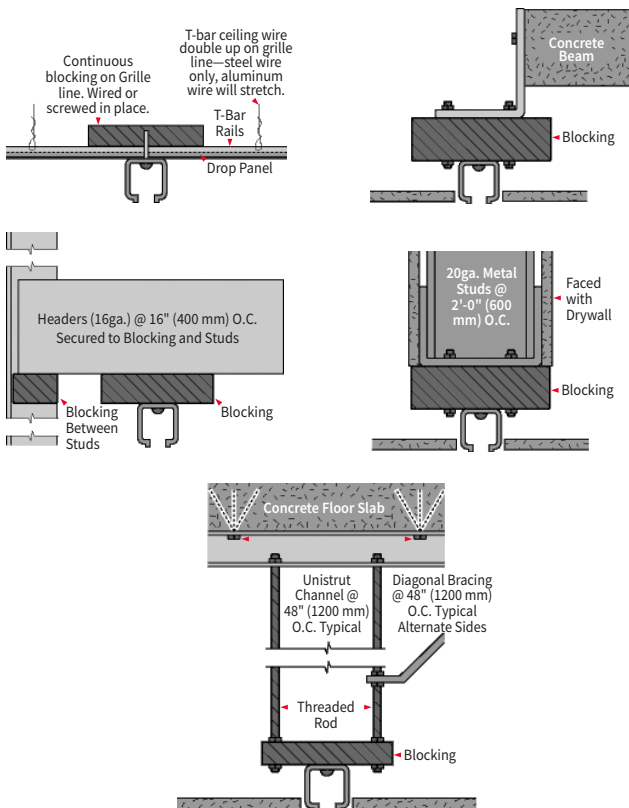
Note: Custom curves available:

- Radius must be at least 10" or greater.
- Angle must be at least 90° or greater.

Step 2 – Header Support

The header must support the weight of the side folding door along the entire track line (see chart on pg. 21 for load requirements).

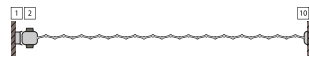
Header Examples



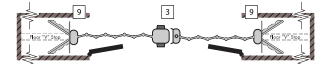
Step 3 – Stacking and Storage

Determine where the side folding door will stack, it can stack at one end, or the side folding door can split into 2 and stack at each end.

Single Stack



Bi-parting



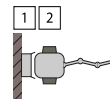
Note: The stacked curtain can remain in the opening or in a storage pocket, depending on selection, this will affect your end post selection.

Step 4 – End Posts

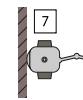
Note: Single Stack configurations require at least 1 locking end post such as Post 1 and 2, or Post 7. Bi-parting (2 stacks) configurations DO NOT require a locking end post.

Stack in Opening

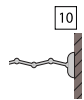
Posts 1 and 2 – Wall Channel and Hookbolt Locking Post



Post 7 – Top and Bottom Locking Post

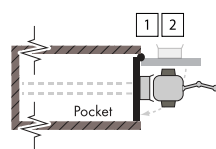


Post 10 – Fixed

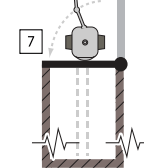


Stack in Storage Pocket

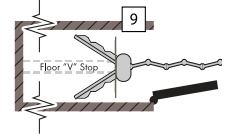
Posts 1 and 2 – Wall Channel and Hookbolt Locking Post



Post 7 – Top and Bottom Locking Post

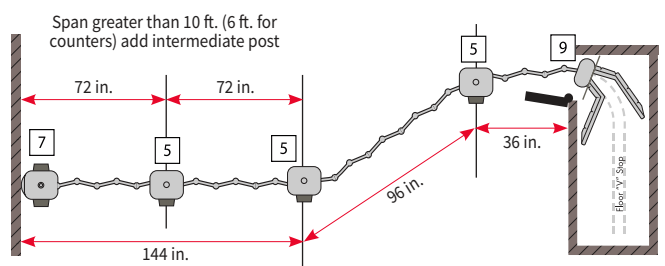


Post 9 – Trailing End



Step 5 – Intermediate and Bi-parting Posts

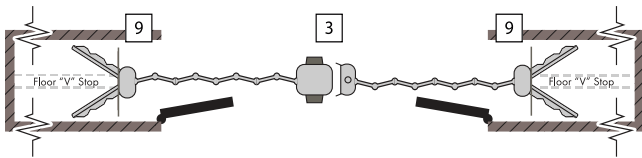
- Place an intermediate post at or near the apex of each curve.
- Spans between intermediate posts cannot exceed 10ft on full height doors or 6ft for counter doors. Place intermediate posts at required intervals.
- For large doors, one bi-part is added for every 30ft of curtain. If possible, replace an intermediate for a bi-part.



SIDE FOLDING SAMPLE LAYOUTS

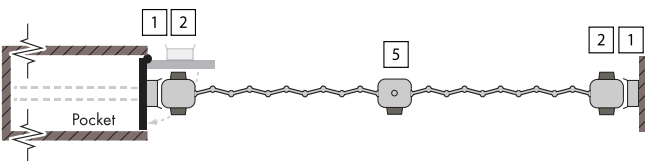
Bi-Part / Pocket Both Sides

A straightforward layout that uses two pocket areas to hide the stack once the curtain has been opened.



Single Stack Into Pocket

A straightforward layout that uses a simple pocket area to hide the stack once the curtain has been opened.

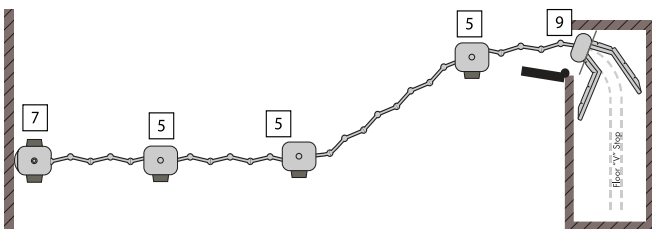


Stack Between Jamb

A simple, no-nonsense layout design ideal for when space is at premium and creating a pocket area is not possible.

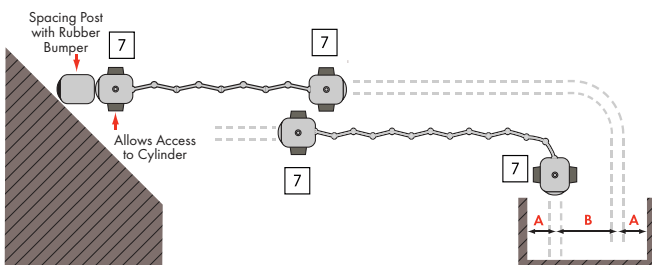


"S" Curve (2-135° curves) with Single Stack into 90° Pocket



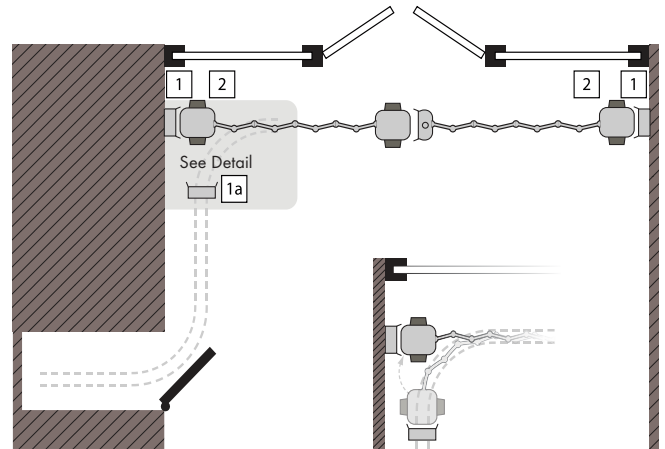
Dual Track

An innovative layout for use when minimal pocket depth is available.



Remote Stack With Caddy

An advanced system that stores the curtain in a remote area removed from the entrance.

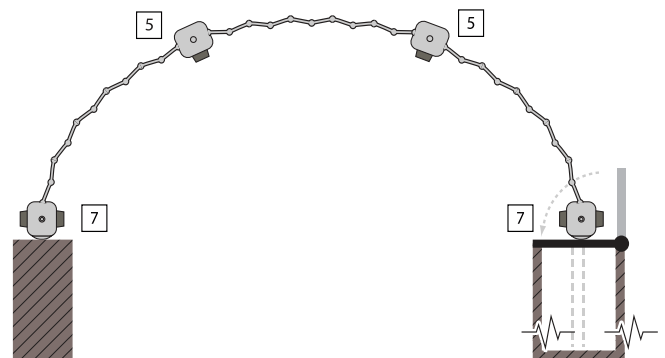


Caddy System Detail

Lead Post (2) without trolley assembly swings and engages Wall Channel (1). Travelling Wall Channel with Trolley (1a) transports Lead Post (2) back to pocket.

Special Radius Curve

An advanced layout for store and office designs that require a more rounded solution.



Pocket Doors

Pocket doors (supplied by others) should be hinged to interior for curtains with self-locking travelling end post.

Exterior – Top of the Page

Interior – Bottom of the Page

All structural supports, headers, pockets and pocket doors by others.



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