LAYOUTS
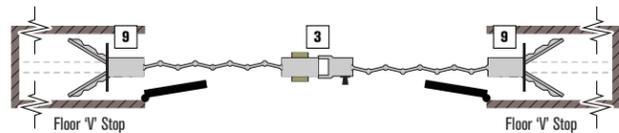
Bi-Part / Pocket Both Sides
A straight forward layout that uses two pocket areas to hide the stack once the curtain has been opened.
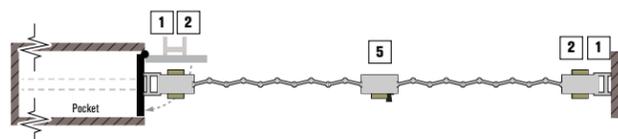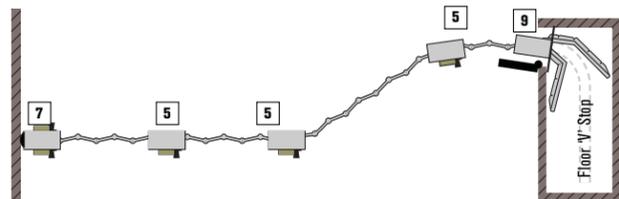
Floor 'V' Stop Floor 'V' Stop

Single Stack Into Pocket
A straight forward layout that uses a simple pocket area to hide the stack once the curtain has been opened.

Pocket

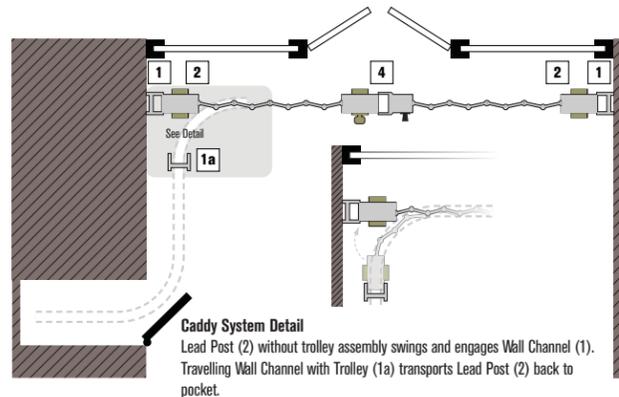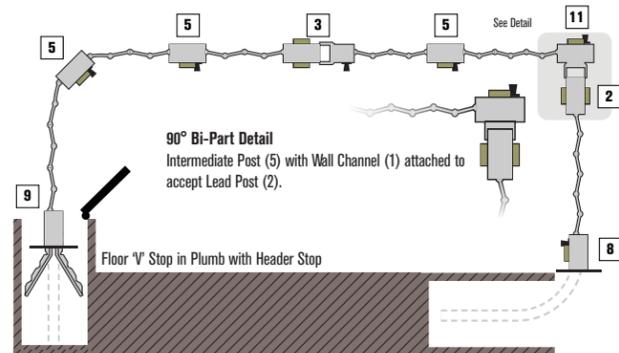### Remote Stack With Caddy
An advanced system that stores the curtain in a remote area removed from the entrance.

See Detail

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.

Dual Track
An innovative layout for use when minimal pocket depth is available. Top and bottom lead post with attached spacing post to angled wall allows access to locking on acute angle side.

Spacing Post with Rubber Bumper

Allows Access to Cylinder

Stack Between Jambs
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
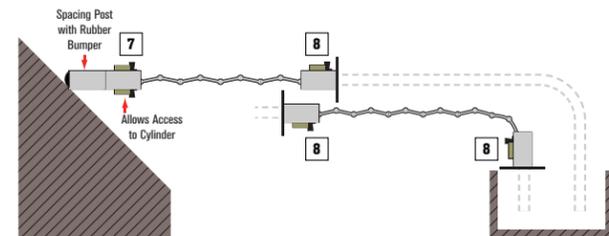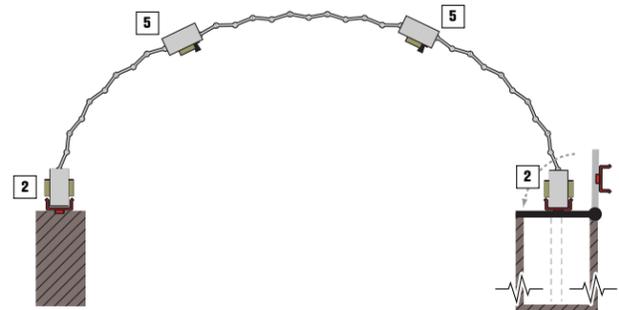
Floor 'V' Stop

90° Curve Bi-Part Single Stack
Allows two different curtains on two separate tracks to lock together without a curve. Single stack curtains over 30' should be Bi-Parted for ease of use.

See Detail

90° Bi-Part Detail
Intermediate Post (5) with Wall Channel (1) attached to accept Lead Post (2).

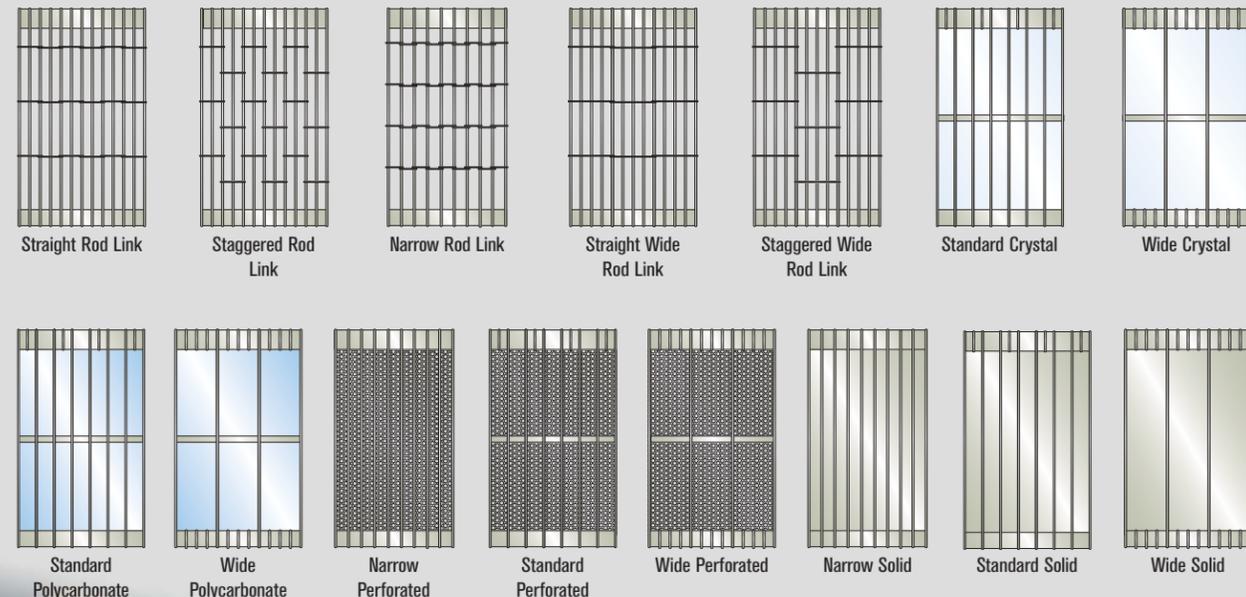Floor 'V' Stop in Plumb with Header Stop

Special Radius Curve
An advanced layout for store and office designs that require a more rounded solution. A cleaner appearance is achieved by allowing the lead post to lock into a recessed wall lock and 2" wall channel.

VISIT YOUR DOOR PROFESSIONAL AT:

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.

C.H.I.
ROLLING STEEL DOORS
The Door to Quality.

C.H.I. Side Folding is an Easy Choice

Side Folding can be 10-feet or 110-feet long. Layouts vary from straight to attractive special curves to compliment the surrounding architecture.

Straight Rod Link

Staggered Rod Link

Narrow Rod Link

Straight Wide Rod Link

Staggered Wide Rod Link

Standard Crystal

Wide Crystal

Standard Polycarbonate

Wide Polycarbonate

Narrow Perforated

Standard Perforated

Wide Perforated

Narrow Solid

Standard Solid

Wide Solid

C.H.I.
ROLLING STEEL DOORS
The Door to Quality.

POSTS

1 2 3 4 5 6 7 8 9 10 11

WALL

Lift Bolt
Top Stop

Hook Bolt
Thumb Turn
Drop Bolt Knob
Cylinder
Lift Bolt Knob
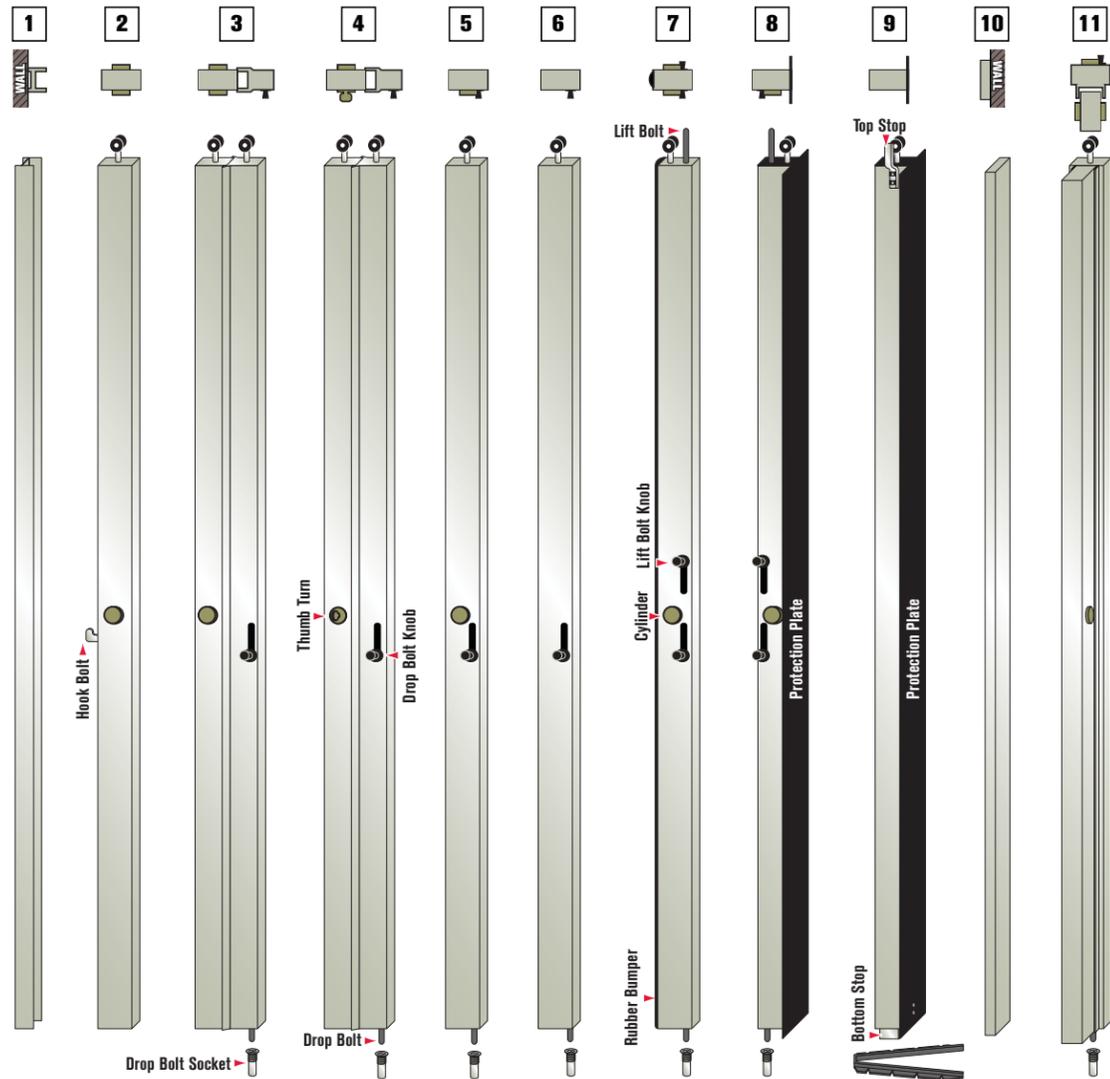Protection Plate
Protection Plate
Rubber Bumper
Bottom Stop
"V" Stop

Drop Bolt Socket
Drop Bolt

1 **Wall Channel** - A full height extruded piece of aluminum that the lead post fits and locks into. This channel is secured permanently to the wall.

2 **Lead Post** - The first post of the curtain to pull out of the stack area and extend across the opening. This post will have a hook bolt lock that secures into a wall channel.

3 **Bi-Part** - The first post of the curtain to pull out of the stack and joins together the same as lead post into a wall channel post with an added drop bolt to keep curtain rigid. Drop bolt engages into drop bolt socket. Single stack curtains (over 30 ft.) will be bi-parted for ease of operation. Wide body models are bi-parted every 10 ft. with some exceptions.

4 **Bi-Part Egress** - With cylinder exterior and thumb turn interior.

5 **Intermediate Post** - A middle post in a curtain located no more than 10 ft. O.C. for full height and 6 ft. O.C. for counter height from any other post. Intermediate Posts should be placed on or near center of curves. Intermediate posts have a drop bolt that is spring loaded and unlocked with a keyed cylinder. Drop bolts engage into drop bolt sockets.

6 **Intermediate Post Without Cylinder** - A middle post in a curtain located no more than 10 ft. O.C. for full height and 6 ft. O.C. for counter height from any other post. Intermediate posts should be placed on or near center of curves. Intermediate posts have a drop bolt that is manually locked and unlocked . Drop bolts engage into drop bolt sockets.

7 **Top and Bottom Locking Post** - A lead post or end post can be a top and bottom locking post. A spring loaded drop bolt engages a drop bolt socket and a top lift bolt protrudes into the track and header. A rubber bumper extends full height on edge of post to protect wall finish.

8 **Top and Bottom Locking Post with HIEP Protection Plate** - Same as above replacing rubber bumper for HIEP protection plate.

9 **Traveling End Post** - Last post of the curtain that travels to the front of the pocket when curtain is extended across opening. The post top stop self locks into a header stopper and a floor "V" stop inside of pocket. A full height (maximum 10 ft.) Protection plate is attached on back of post.

10 **Fixed End Post** - Last post of the curtain that is permanently mounted to the wall.

11 **90 Degree Bi-Part** - Same as bi-part except connects two separate curtains traveling on separate track perpendicular to one another.
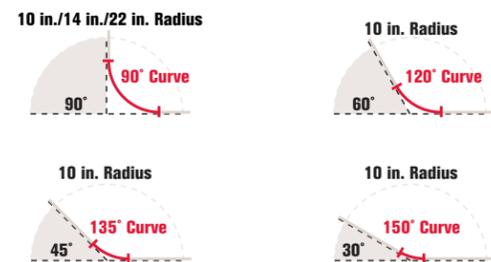
C.H.I. ROLLING STEEL DOORS
The Door to Quality.

DETAILS
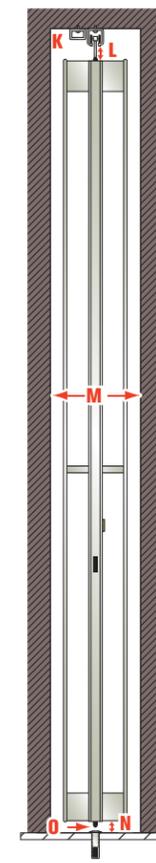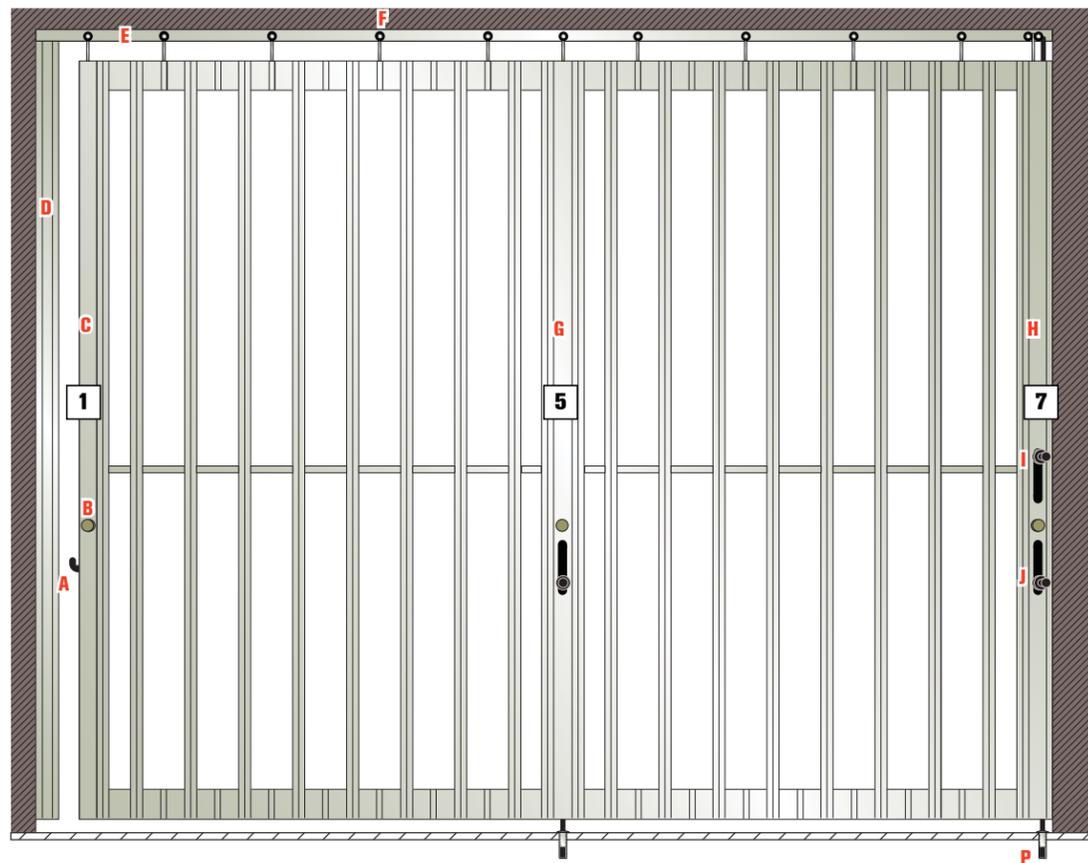
A Hook Bolt
B Keyed Cylinder Lock
C Lead Locking Post
D Full Height Wall Channel
E Track
F Trolleys
G Intermediate Post
H Top and Bottom Locking Post
I Shoot Bolt Knob
J Drop Bolt Knob
K Header Stop
L Standard Non Adjustable Hanger
   Top of Curtain to Bottom
   of Track.........................1 1/2 in.
M Minimum Clear Pocket Width
   Slim Line...............................5 in.
   Non Wide Body...................8 in.
   Wide Body...........................13 in.
N Bottom of Curtain to:
   FFL.....................................1 1/4 in.
   Counter ....3/4 in.
O Drop Bolt
P Drop Bolt Socket

DROP BOLT SOCKETS

1 1/4 in.
2 3/4 in.
3/4 in.

1 3/8 in.
1 3/4 in.
13/16 in.
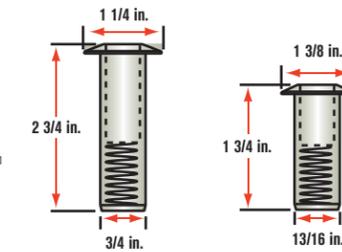
CURVE DETAILS
Outstanding layout designs and thoughtful details are easily achieved with four stock curves.

10 in./14 in./22 in. Radius
90° Curve
90°

10 in. Radius
120° Curve
60°

10 in. Radius
135° Curve
45°

10 in. Radius
150° Curve
30°

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

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

WALL

TRACK

Alignment Bar
Track Pins
1 3/8 in. Wide x 1 3/4 in. High
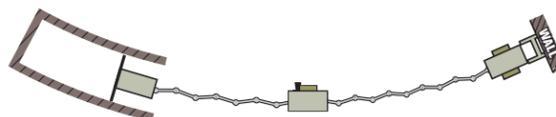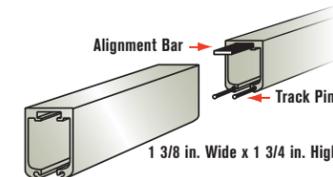
LOAD REQUIREMENTS
The entire header-support must handle the stacked weight.

Model	Stacked LBS./SQ.FT.	Extended LBS./SQ.FT.
Narrow Rod Link	6.5	0.075
Staggered Rod Link	8.0	1.30
Narrow Perforated	9.0	1.10
Narrow Solid	10.0	1.30
Staggered Wide Rod Link	13.0	1.50
Standard Perforated	15.0	2.50
Standard Polycarbonate	15.0	2.50
Standard Crystal	18.0	3.00
Standard Solid	18.0	3.00
Wide Perforated	22.5	2.50
Wide Polycarbonate	22.5	2.50
Wide Crystal	27.0	3.00
Wide Solid	27.0	3.00

STACKING DIMENSIONS
Calculating your stack width is easy. Choose a model, Slim Line, Non Wide Body or Wide Body. Use the following formulas substituting your Curtain Width and number of Posts to estimate Stack.

Slim Line and Non Wide Body Curtain Formula
(Width x 1.2) + (Number of Posts x 3) = Stacking Dimensions

Example
24 ft. Curtain containing 4 posts
(24 x 1.2 = 29) + (4 x 3 = 12)
29 + 12 = 41 in. of required stack

Wide Body Curtain Formula
(Width x .75) + (Number of Posts x 3) = Stacking Dimensions

Example
24 ft. Curtain containing 4 posts
(24 x .75 = 18) + (4 x 3 = 12)
18 + 12 = 30 in. of required stack

FINISH
Choice of quality anodized finish on all exposed aluminum parts.

CLEAR   CHAMPAGNE   LIGHT BRONZE   BRONZE   BLACK

Powder Coat color chart available with approval drawings.
Acrylic paint available.

NOTE: Colors may not be exactly as illustrated. Cut edges will be bare aluminum.