

**DIVISION 10 - SPECIALTIES**

**10 22 16 FOLDING GATE**

**10 22 13 WIRE MESH PARTITION**



# SECTION GUIDE

## SURFACE MOUNTED FOLDING GATES

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## RECESSED FOLDING GATES

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<b>Page 12 / 13</b>	<b>SHALLOW CABINET DEEP CABINET</b>	<b>No. 5766D No. 5765D</b>	Double type folding gate, 40' max corridor width. Double type folding gate, unlimited width.

## PORTABLE FOLDING GATES

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## WIRE MESH PARTITIONS

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# ACORN FOLDING GATES

ACORN Wire and Iron Works™ is a nationally recognized leader in the manufacture of folding gates for security, loss prevention, traffic control requirements, school corridors, institutions and commercial buildings. They are used as control units for driveways, loading platforms, and permit doors to be opened for ventilation without loss of security. Compact and easy to operate, they can be adapted to fit most conditions.

Offered in both single- and double-gate configurations, these units feature folding top and folding bottom tracks, that when expanded create a sturdy blockade from unwanted access. ACORN folding gates are available for the following applications. ACORN's Bostwick Series 5743, 5761 and 5762 Fixed Security Folding Gates for school applications can control corridor traffic for regular school activities, or during after-school sporting events. Offered in both single- and double-gate configurations, fixed gates offer deep or

shallow cabinet storage for new building, or surface-mounted for both new and retrofit applications. ACORN subway security folding gates can be installed anywhere within the station's corridors. These heavy-duty gates can be used to bar passengers from entering prohibited areas. All moving parts on ACORN Security Folding gates are fitted with rollers for smooth opening and stacking when not in use. Units lock in both open and closed positions to prevent damage or injury.

# CONSTRUCTION



Adjustable ball bearing trucks in box type tracks for smooth operation, 2-wheel trucks on intermediate.



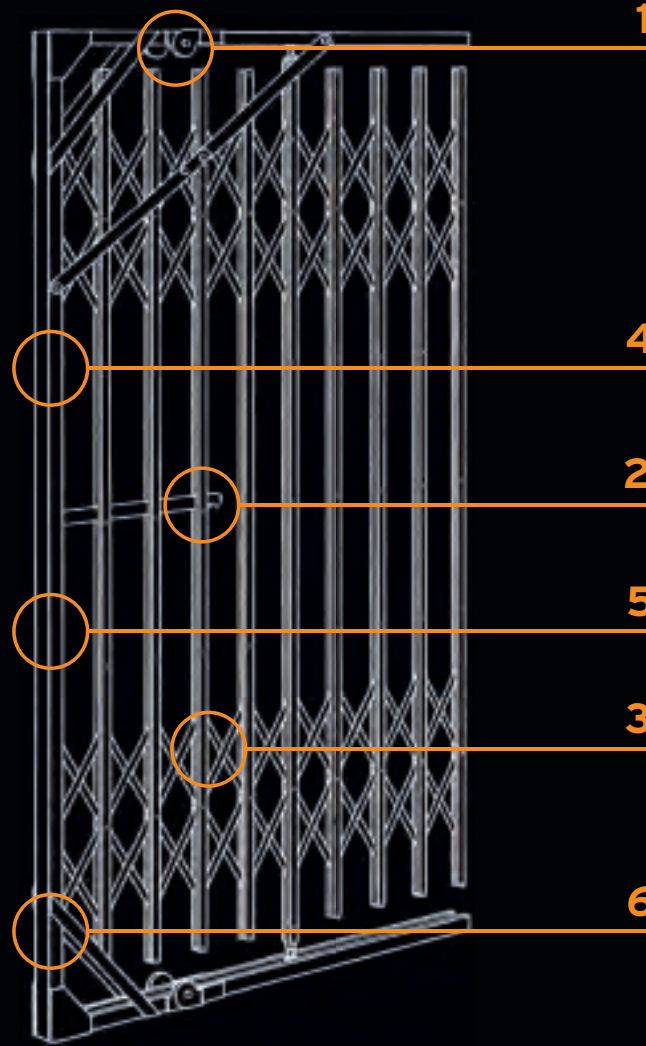
Cylinder locks mortised into gate end bar. Keyed both sides. Yale mortise cylinders, or master-keyed to building system.



Machined roller bearings in all vertical channels assure ease of operation, proportionate spacing of lattice bars.



0.625" cold-rolled Z bar frame at sides and top of shallow cabinets for adequate strength. C section door edges prevent distortion.



8" seven knuckle gate hinge. 0.1875" leaf, 0.4375" pin, mortised into Z bar frame. Offset hinge permits cabinet doors to close with gate in either position.



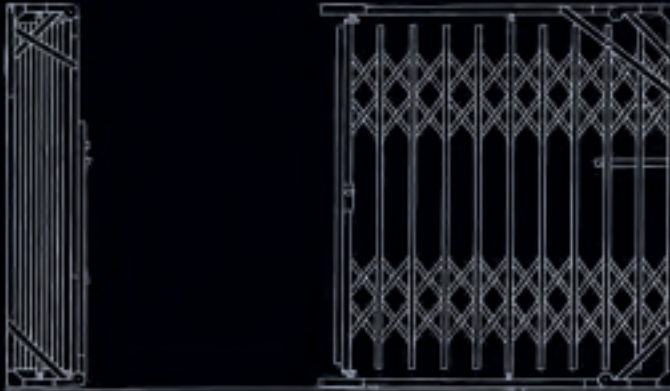
0.1875" thick cold-rolled facia strip and door on deep type cabinets for adequate strength and better finished appearance.





# SURFACE MOUNTED FOLDING GATES

## BOSTWICK



← **NO. 5743D**  
**DOUBLE, 20' MAXIMUM WIDTH**

**NO. 5743S** →  
**SINGLE, 16' MAXIMUM WIDTH**

Hinged top and bottom tracks.  
Hasp or cylinder lock. Maximum height 7'-6".

## LAZY TONG



← **NO. 5641**  
**DOUBLE, 16' MAXIMUM WIDTH**

Gates hinged or fixed at sides.  
Centre-locking floor bolt. Center extend opening height to fixed top brace where practical. Large floor bolt furnished where top brace impractical.

**NO. 5654** →  
**SINGLE, 12' MAXIMUM WIDTH**

Gate hinged or fixed at side. May be used with hasp for padlock or cylinder lock.

## GATE PLACEMENT



← **PLAN 2A**

Gates placed in the opening stack fixed in line or flat against wall.

**PLAN 2B** →

Gates placed on face of wall, stack clear of opening.

# SURFACE MOUNTED FOLDING GATES

**BOSTWICK, 5700 SERIES, LAZY TONG, 5600 SERIES, FOR USE WHERE RECESSED FEATURES ARE NOT REQUIRED.**

## BOSTWICK

**no. 5743 - Gate shall be no. 5743.**

Constructed of 0.75" channels spaced vertically not over 6" o.c. Lattice bars 0.625" x 0.1875". Fully enclosed end bars. All moving parts fitted with rollers. All cold-rolled material. Hasp for padlock or cylinder lock.

**no. 5748 - Gate shall be no. 5748.**

Constructed of 0.75" channels spaced vertically not over 6" o.c. Lattice bars 0.625" x 0.1875". Fully enclosed end bars. All moving parts fitted with rollers. All cold-rolled material. Hasp for padlock or cylinder lock.

## LAZY TONG

Note: Gate loses 1.5" per foot in height when extended.

**no. 5654 - Gate shall be no. 5654.**

Constructed of 0.75" channels riveted back-to-back not over 6" o.c. Fully enclosed end bars to receive rollers. All cold-rolled material. Hasp for padlock or cylinder lock.

**no. 5641 - Gate shall be no. 5641.**

Constructed of 0.75" channels riveted back-to-back not over 6" o.c. Fully enclosed end bars to receive rollers. All cold-rolled material. Hasp for padlock or cylinder lock.

**no. 5649 - Gate shall be no. 5649.**

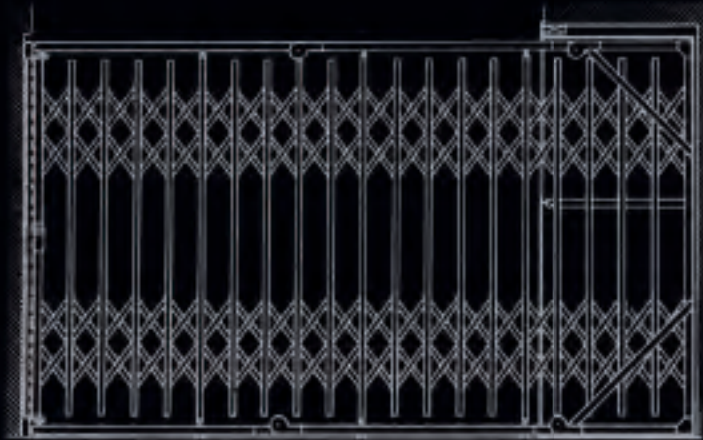
Constructed of 0.75" channels riveted back-to-back not over 6" o.c. Fully enclosed end bars to receive rollers. All cold-rolled material. Hasp for padlock or cylinder lock.

Specifications are subject to change. Please consult your ACORN sales rep or visit [www.acornwire.com](http://www.acornwire.com) for more details.



# RECESSED FOLDING GATES

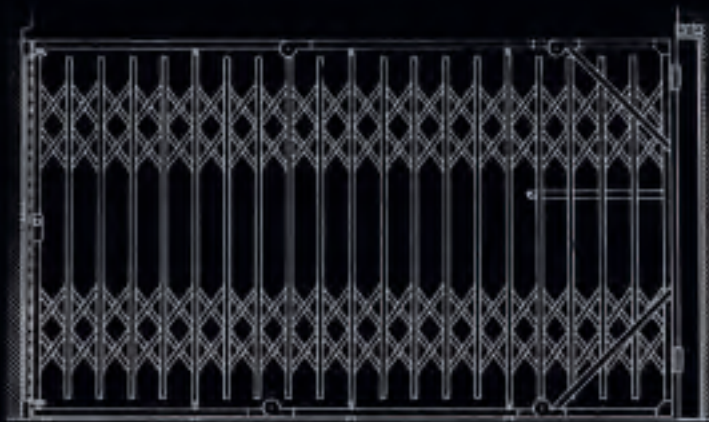
## DEEP CABINET 12' maximum corridor width



### NO. 5762S

Single type folding gate, 7'6" recommended maximum height. Hinged top and bottom tracks. Roller bearing construction throughout. All cold-rolled material for better appearance. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system. Gates can exceed maximum width but require special recess dimensions.

## SHALLOW CABINET 16' maximum corridor width



### NO. 5761S

Single type folding gate, 7'6" recommended maximum height. Hinged top and bottom tracks. Roller bearing construction throughout. All cold-rolled material for better appearance. Cabinet door can be closed and locked when gate is in use. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system. Gates can exceed maximum width but require special recess dimensions.



# RECESSED FOLDING GATES

**SINGLE TYPE**  
**HINGED TOP TRACK**  
**HINGED BOTTOM TRACK**

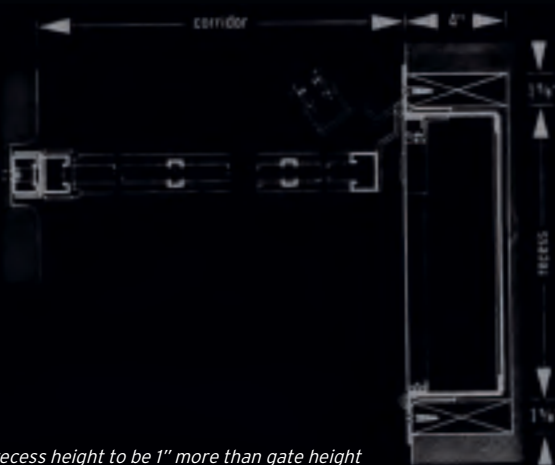
## SPECIFICATIONS

corridor (feet)	4	6	8	10	12
recess (inches)	17	20	27	30	33



*recess height to be 1" more than gate height*

corridor (feet)	4	6	8	10	12	14	16
recess (inches)	18	21	24	32	35	38	41



*recess height to be 1" more than gate height*

### no. 5762S - Gate shall be no. 5762S.

Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. Vertical end bars shall be cold-rolled box type sections to receive roller bearings and cylinder lock. All moving parts shall be fitted with rollers. Hinged top and bottom tracks shall have gusset braces in all corners, automatic hold up for top track, rubber floor rests for bottom track. Gate shall have self-locking tie back arm. Cabinet constructed of 12-gauge formed sheet steel with 0.1875" thick cold-rolled fascia strips and door. Gate and cabinet locks shall have 0.46875" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet shall have standard factory finish, color as selected.

### no. 5761S - Gate shall be no. 5761S.

Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. Vertical end bars shall be cold-rolled box type sections to receive roller bearings and cylinder lock. All moving parts shall be fitted with rollers. Hinged top and bottom tracks shall have gusset braces in all corners, automatic hold up for top track, rubber floor rests for bottom track. Gate shall have self-locking tie back arm. Cabinet constructed of 0.1875" cold-rolled Z bar frame with 16-gauge steel back. Flush 16-gauge door shall have formed C edges. Gate shall have special hinges permitting cabinet door to close and lock when gate is in both stacked and extended position. Gate and cabinet locks shall have 0.46875" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet shall have standard factory finish, color as selected.

Specifications are subject to change. Please consult your ACORN sales rep or visit [www.acornwire.com](http://www.acornwire.com) for more details.



# RECESSED FOLDING GATES CONT.

## DEEP CABINET 20' maximum corridor width



### NO. 5762D

Double type folding gate, 7'6" recommended maximum height. Hinged top and bottom tracks. Roller bearing construction throughout. All cold-rolled material for better appearance. Cylinder locks on gate and cabinets keyed regular or master-keyed to building system. Gates can exceed maximum width but require special recess dimensions.

## SHALLOW CABINET 20' maximum corridor width



### NO. 5761D

Double type folding gate, 7'6" recommended maximum height. Hinged top and bottom tracks. Roller bearing construction throughout. All cold-rolled material for better appearance. Cabinet doors can be closed and locked when gate is in use. Cylinder locks on gate and cabinets keyed regular or master-keyed to building system. Gates can exceed maximum width but require special recess dimensions.



# RECESSED FOLDING GATES CONT.

**SINGLE TYPE**  
**HINGED TOP TRACK**  
**HINGED BOTTOM TRACK**

## SPECIFICATIONS

**no. 5762D - Gate shall be no. 5762D.**

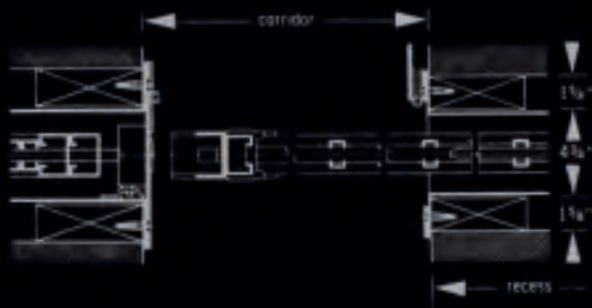
Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. Vertical end bars shall be cold-rolled box type sections to receive roller bearings and cylinder lock. All moving parts shall be fitted with rollers. Hinged top and bottom tracks shall have gusset braces in all corners, automatic hold up arms for top tracks, rubber floor rests for bottom track. Gate shall have self-locking tie back arms. Cabinets constructed of 12-gauge formed sheet steel with 0.1875" thick cold-rolled facia strips and door. Gate and cabinet locks shall have 0.46875" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet shall have standard factory finish, color as selected.

**no. 5761D - Gate shall be no. 5761D.**

Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. Vertical end bars shall be cold-rolled box type sections to receive roller bearings and cylinder lock. All moving parts shall be fitted with rollers. Hinged top and bottom tracks shall have gusset braces in all corners, automatic hold up arms for top tracks, rubber floor rests for bottom track. Gate shall have self-locking tie back arms. Cabinets constructed of 0.1875" cold-rolled Z bar frames, with 16-gauge steel backs. Flush 16-gauge doors shall have C edges. Gate shall have special hinges permitting cabinet doors to close and lock when gate is in both stacked and extended position. Gate and cabinet locks shall have 0.46875" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinets shall have standard factory finish, color as selected.

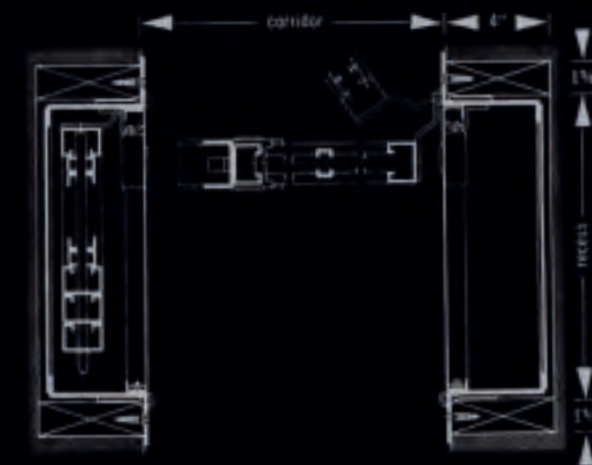
Specifications are subject to change. Please consult your ACORN sales rep or visit [www.acornwire.com](http://www.acornwire.com) for more details.

corridor (feet)	10	12	14	16	18	20
recess (inches)	20	25	27	28	30	31



recess height to be 1" more than gate height

corridor (feet)	10	12	14	16	18	20
recess (inches)	20.5	22	23.5	2.75	30.25	32

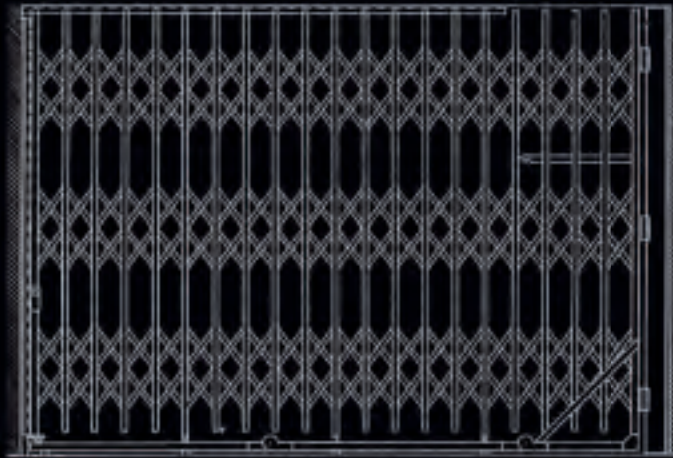


recess height to be 1" more than gate height



# RECESSED FOLDING GATES CONT.

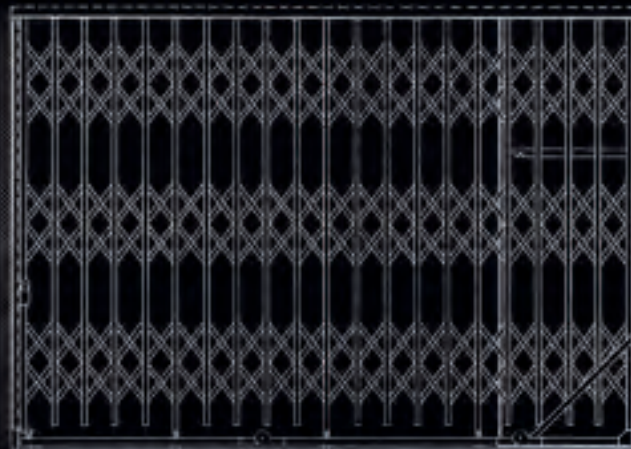
## SHALLOW CABINET 20' maximum corridor width



### NO. 5766S

Single type folding gate, full opening height. Over 8' high, 3 row lattice. Hinged bottom track, permanent overhead guide channel notched at side to permit gate to hinge into cabinet. All roller bearing construction. Cabinet door can be closed and locked when gate is in use. All cold-rolled material. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system. Gates can exceed maximum width but require special recess dimensions.

## DEEP CABINET unlimited width



### NO. 5765S

Single type folding gate, full opening height. Over 8' high, 3 row lattice. Hinged bottom track, permanent top guide recessed into ceiling. Roller bearing construction for easy operation. All cold-rolled material for better appearance. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system. Gate can be hung from permanent top track if suitable support is present.

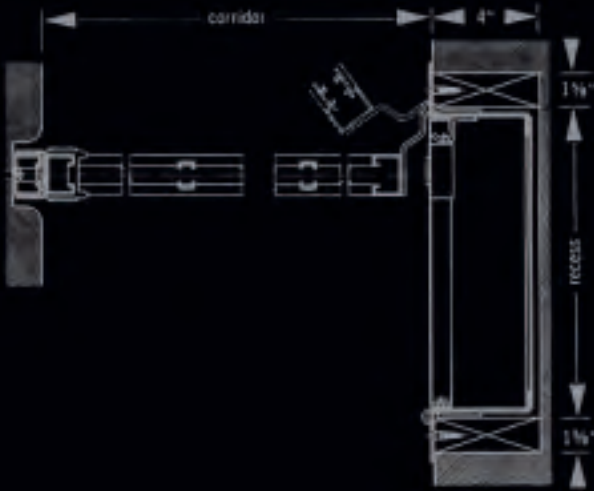


# RECESSED FOLDING GATES CONT.

SINGLE TYPE  
HINGED TOP TRACK  
HINGED BOTTOM TRACK

## SPECIFICATIONS

corridor (feet)	8	10	12	14	16	18	20
recess (inches)	22.5	28.5	31.5	34.5	37.75	40.75	44



corridor (feet)	6	8	10	12	14
recess (inches)	19	25	25.5	28.5	31.5



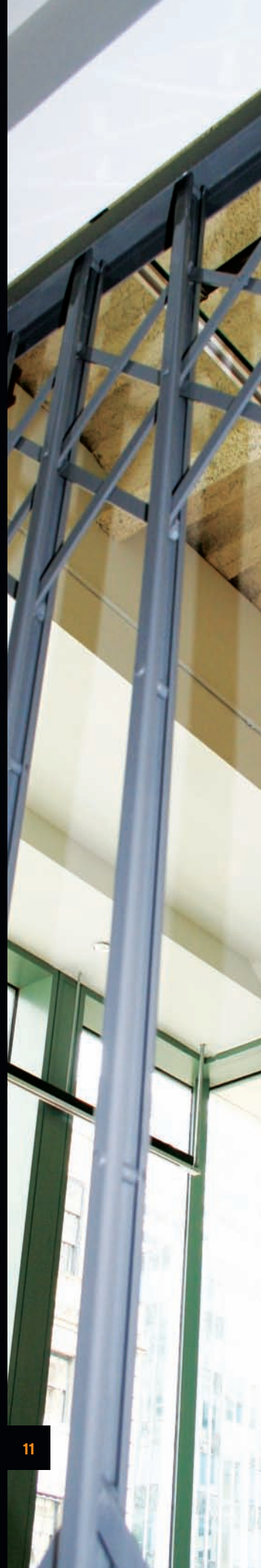
### no. 5766S - Gate shall be no. 5766S.

Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. Vertical end bars shall be cold-rolled box type sections to receive roller bearings and cylinder lock. All moving parts shall be fitted with rollers. Top guide shall be 2.375" x 2.25" channel. Bottom track shall have gusset braces and rubber floor rests. Gate shall be fitted with self-locking tie back arm. Cabinet constructed of 0.1875" cold-rolled Z bar frame with 16-gauge steel back. Flush 16-gauge door shall have formed C edges. Gate shall have special hinges permitting cabinet door to close and lock when gate is in both stacked and extended position. Gate and cabinet locks shall have 0.46875" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet shall have standard factory finish, color as selected.

### no. 5765S - Gate shall be no. 5765S.

Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. Vertical end bars shall be cold-rolled box type sections to receive roller bearings and cylinder lock. All moving parts shall be fitted with rollers. Top guide shall be 10-gauge channel. Bottom track shall have gusset braces and rubber floor rests. Gate shall be fitted with self-locking tie back arms. Cabinet constructed of 12-gauge formed sheet steel with 0.1875" thick cold-rolled fascia strips and door. Gate and cabinet locks shall have 0.46875" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet shall have standard factory finish, color as selected.

Specifications are subject to change. Please consult your ACORN sales rep or visit [www.acornwire.com](http://www.acornwire.com) for more details.





# RECESSED FOLDING GATES CONT.

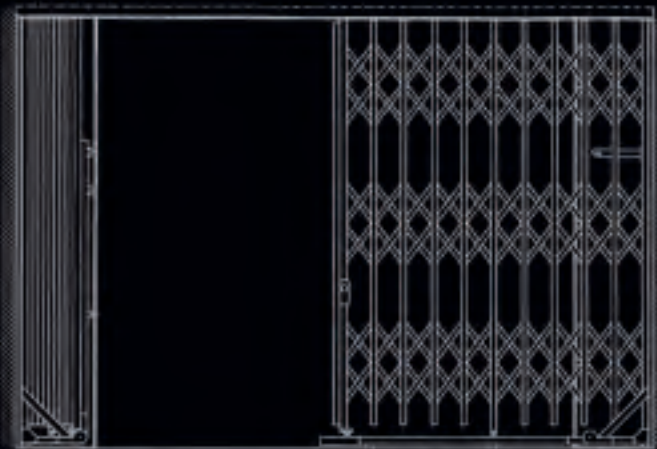
## SHALLOW CABINET 40' maximum corridor width



### NO. 5766D

Double type folding gate, full opening height. Over 8' high, 3 row lattice. Hinged bottom tracks, permanent overhead guide channel notched at ends to permit gates to hinge into cabinets. All roller bearing construction. Cabinet doors can be closed and locked when gate is in use. All cold-rolled material. Cylinder locks on gate and cabinets keyed regular or master-keyed to building system. Gates can exceed maximum width but require special recess dimensions.

## DEEP CABINET unlimited width



### NO. 5765D

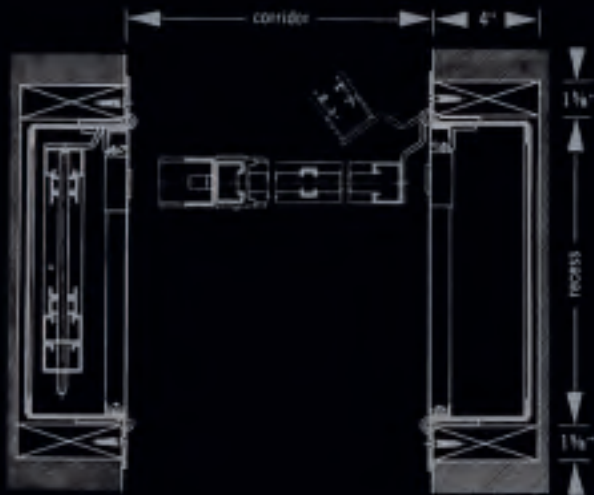
Double type folding gate, full opening height. Over 8' high, 3 row lattice. Hinged bottom tracks, permanent top guide recessed into ceiling. Roller bearing construction for easy operation. All cold-rolled material for better appearance. Cylinder locks on gate and cabinets keyed regular or master-keyed to building system. Gate can be hung from permanent top track if suitable support is present.

# RECESSED FOLDING GATES CONT.

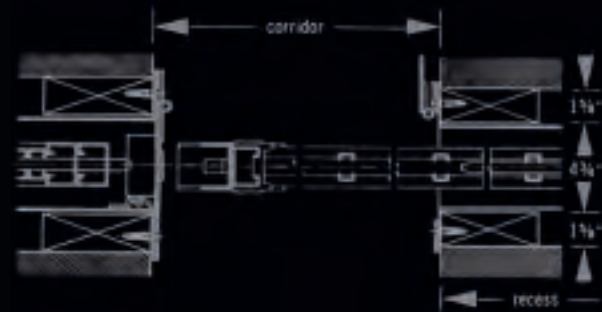
**SINGLE TYPE**  
**HINGED TOP TRACK**  
**HINGED BOTTOM TRACK**

## SPECIFICATIONS

corridor (feet)	10	12	14	16	18	20
recess (inches)	18	19.5	21	22.5	36.75	28.5



corridor (feet)	10	12	14	16	18	20	22	24
recess (inches)	17	19	20.5	34.75	25.5	26.25	27	28.5



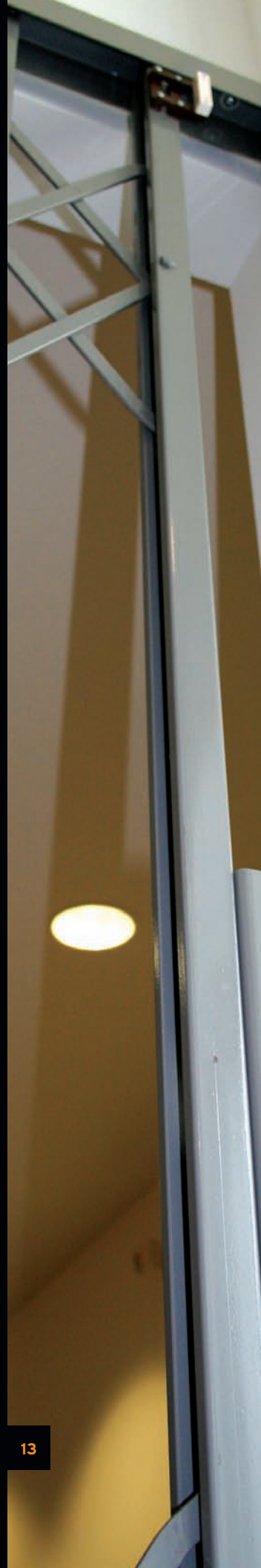
### no. 5766D - Gate shall be no. 5766D.

Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. Vertical end bars shall be cold-rolled box type sections to receive roller bearings and cylinder lock. All moving parts shall be fitted with rollers. Top guide shall be 2.375" x 2.25" channel. Bottom tracks shall have gusset braces in all corners and rubber floor rests. Gate shall be fitted with self-locking tie back arms. Cabinets constructed of 0.1875" cold rolled Z bar frames with 16-gauge steel backs. Flush 16-gauge doors shall have formed C edges. Gate shall have special hinges permitting cabinet doors to close and lock when gate is in both stacked and extended position. Gate and locks shall have 0.46875" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinets shall have standard factory finish, color as selected.

### no. 5765D - Gate shall be no. 5765D.

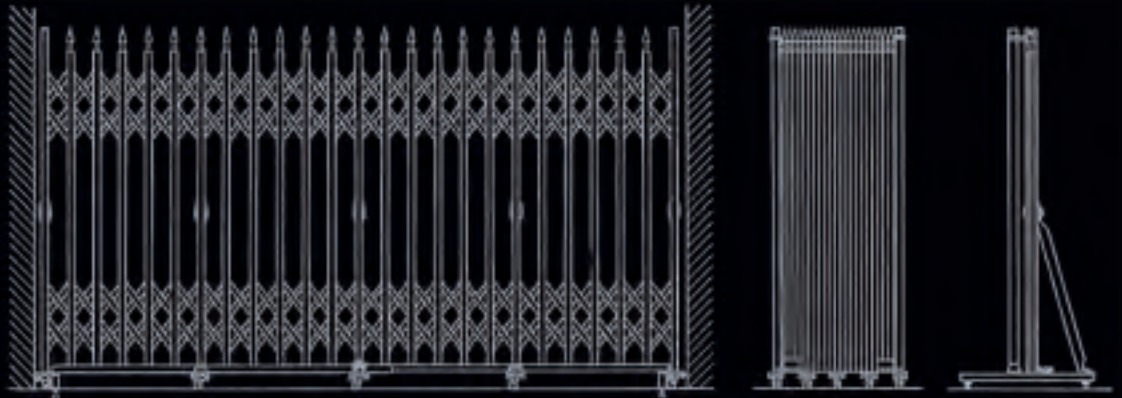
Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. Vertical end bars shall be cold-rolled box type sections to receive roller bearings and cylinder lock. All moving parts shall be fitted with rollers. Top guide shall be 10-gauge channel. Bottom tracks shall have gusset braces in all corners and rubber floor rests. Gate shall be fitted with self-locking tie back arms. Cabinets constructed of 12-gauge formed sheet steel with 0.1875" thick cold-rolled facia strips and doors. Gate and cabinet locks shall have 0.46875" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinets shall have standard factory finish, color as selected.

Specifications are subject to change. Please consult your ACORN sales rep or visit [www.acornwire.com](http://www.acornwire.com) for more details.



# PORTABLE FOLDING GATE

## BOSTWICK 7' to 12' corridor width



### NO. 57P

Portable folding gate, designed for use in existing buildings, or in certain cases in new construction where recessed cabinet type gates may not be practical. Completely portable. Standard model can be used in any corridor from 7'-0 to 12'-0 wide (other stock sizes range from 6'-0 to 9'-0, 11'-0 to 15'-0, 13'-0 to 18'-0 and 14'-0 to 21'-0). Heavy electrogalvanized finish is standard. Gate can be used in as many different locations within its size range as may be needed. Stored unit—2'-0 x 2'-6" x 6'-6.5" high (standard model). Height permits storage in any closet. Distance between lattice bars plus spear tops on gate prevent climbing. Only two lead shields are required in floor for installation at each location. No preparation of wall or floor is necessary. Gate available with hasp for padlock, or cylinder lock.

## SPECIFICATIONS

### Gate shall be no. 57P.

Vertical members shall be two 0.75" x 0.375" cold-rolled channels spaced not over 6" o.c. Lattice bars 0.625" x 0.1875" cold-rolled flat steel. All moving parts shall be fitted with rollers. Platform frames shall be 2.25" x 1" cold-rolled channel. Platform braces shall be 0.875", 14-gauge tubing, securely bolted through gate and platform. All material shall be electrogalvanized. Gate shall be equipped with hasp for padlock or cylinder lock.

Specifications are subject to change. Please consult your ACORN sales rep or visit [www.acornwire.com](http://www.acornwire.com) for more details.



# WIRE MESH PARTITIONS



*Door locks are pick-proof mortise type operated by key outside, recessed knob inside. Can be keyed alike, different or master-keyed. Cylinder locks are standard equipment on all doors unless otherwise specified.*



*Slide-up service windows for use in any location. Standard size 24" wide x 15" high, special sizes to order. Windows lock in opened and closed positions with spring catches. Shelf is 12-gauge steel, 12" deep x 25" wide (optional).*

ACORN is also a national leader in manufacturing wire mesh partitions.

Designed to prevent break-ins and ensure maximum security, these extra-tough partitions are crafted with the strength of 6-gauge wire, providing greater security and protection in the most demanding environments. ACORN's wire mesh product line includes both standard and custom panels, doors, service windows and corners designed to simplify partition arrangement in a variety of applications.

Key uses include lockdown areas, conveyORIZED sorting stations, postal distribution centers, bonded warehouses and court buildings, as well as homeland security purposes. Manufactured from 100% carbon-neutral, recycled steel, the product also qualifies for LEED points.

## **SIMPLICITY**

Simplicity of installation saves time and money. ACORN quality and attention to detail assures that each wire mesh partition and its components will fit properly and install easily.

## **SERVICE**

Service is important to achieving architect and owner satisfaction. ACORN will provide a solution, whether a standard-duty security partition or a custom designed high performance enclosure is required. Every project is carefully engineered to provide optimum performance on a cost-effective basis. Complete fabrication drawings are provided for review as required.



## **CONTACT**

For more information on wire mesh partitions, contact us at 800-55 ACORN (800-552-2676) or visit [www.acornwire.com](http://www.acornwire.com)



**alacorn**  
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Fax: 312-243-8069

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