



# ROLLING STEEL SERVICE DOORS 200 SERIES

## SPECIFICATIONS

**FURNISH** Rolling Service Doors, series 200 as manufactured by "USP" complete with curtain, hood, guides, counterbalance and options as specified.

### OPERATION

- manual lift
- chain hoist using gear reduction and galvanized hand chain
- internal or external industrial motors
- hand crank using gear reduction and removable hand crank

**CURTAIN** consists of interlocking slats cold rolled formed from galvanized steel curved profile (SC4) or flat profile (SF4). Slats are designed to withstand windloads of 20 psf. Slat thickness shall be calculated with U.S. gauging with a minimum of 22ga. for all doors. Steel slats are to be galvanized as per A.S.T.M. A653. Each curtain shall receive a bottom bar to maintain slat alignment and posture.

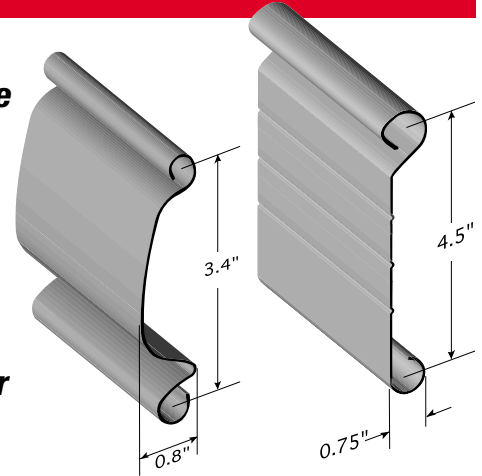
**BOTTOM BAR** shall consist of two steel shop primed angles a minimum 1/8" thick.

**SPRING COUNTERBALANCE** is to be housed in a steel pipe of the appropriate diameter and wall thickness as to support curtain. Deflection shall be limited to a maximum of .03" per ft. of door width. Springs are to consist of helical torsion type designed to meet a 25% safety load factor. Safety factor allows for safe operation, ease of use, and longer spring life. Springs are to be grease packed and anchored, using a cast iron anchor, to a cold rolled steel inner shaft. Spring tension shall be fully adjustable from outside of end bracket plate. To insure smooth operation end bracket plates shall contain sealed ball bearings to minimize wear of pipe shaft.

**END BRACKET** plates shall consist of steel plate no less than 3/16" thick. Bracket plates are to house pipe shaft

## HIGHLIGHTS

- **Economically priced**
- **Torsion spring counterbalance**
- **Galvanized steel hood**
- **3" steel angle guides**
- **22 gauge galvanized steel curtain**
- **Wide profile slat**
- **Double steel angle bottom bar**
- **Easily serviced**



**SC4**

**SF4**

and counterbalance assembly. Shaft is attached to plate by sealed ball bearings fitted onto plate.

**GUIDES** shall consist of a minimum of 3" structural steel angles a minimum 3/16" thick. The guide depth shall be of a length adequate to provide for proper slat penetration and specified windloading.

**HOODS** shall consist of a minimum of #24 U.S. gauge steel. Hoods are designed to protect and house counterbalance assembly. To prevent hood sag intermediate supports shall be furnished as required.

**LOCKING** for manual and chain operated doors to be slidebolts mounted on bottom bar with provisions for padlocks. Gearing within motors to be self locking.

**FINISH** all non-galvanized surfaces shall receive a shop coat of rust inhibiting primer. Field painting not included in this section.

**INSTALLATION** to be by USP or by an authorized dealer.

## OPTIONS

- Sloping bottom bar
- Grille section
- Perforated slat section
- Vision lites
- Security panels
- Bottom bar with rubber astragal
- Designer Hood
- Remote control\*
- Safety edge\*
- Timer to close\*
- Special locking features

\* Available only with motorized units.

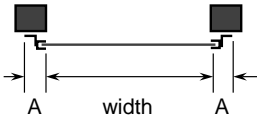
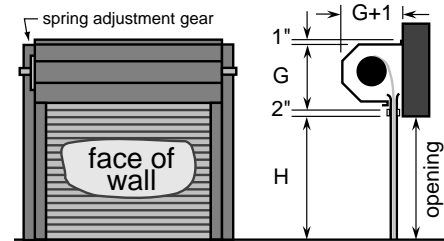


# C L E A R A N C E   D E T A I L S   2 0 0   S E R I E S

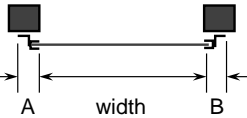
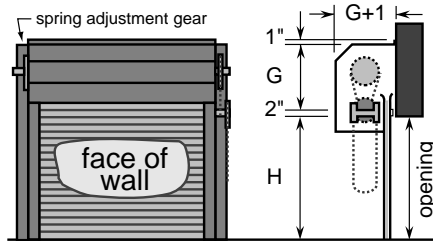
## MANUAL OPERATION

## CHAIN OPERATION

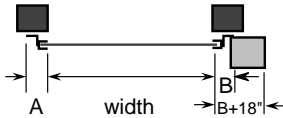
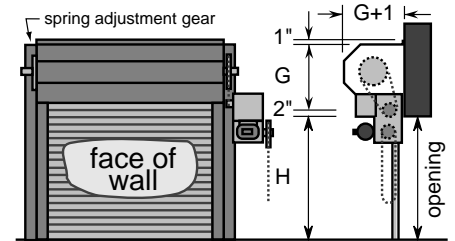
## MOTOR OPERATION



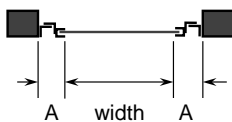
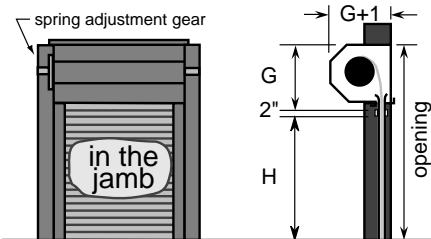
**Models:**  
SC4-10  
SF4-10



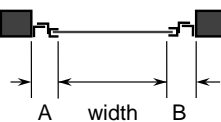
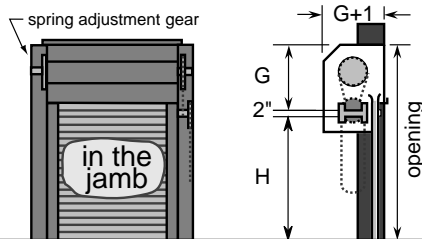
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SF4-20



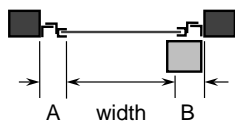
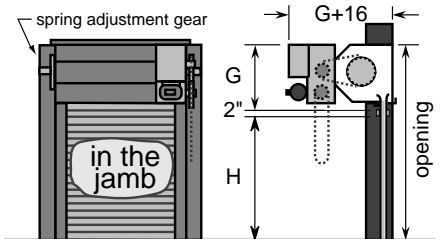
**Models:**  
SC4-40  
SF4-40



**Models:**  
SC4-15  
SF4-15



**Models:**  
SC4-25  
SF4-25



**Models:**  
SC4-45  
SF4-45

## CURTAIN TYPE

**SC4** Clamshell slat service door  
**SF4** Flat slat service door

## CURTAIN FINISH

**GS** Galvanized steel  
**PS** Painted over galvanized steel

## TRIM FINISH OPTIONS

### HOOD

BRONZE  
BLACK  
GREY

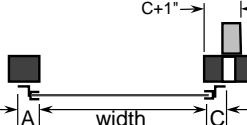
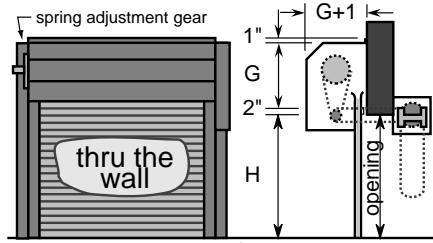
### GUIDES

BRONZE  
BLACK  
GREY

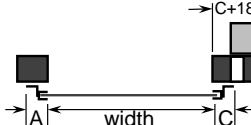
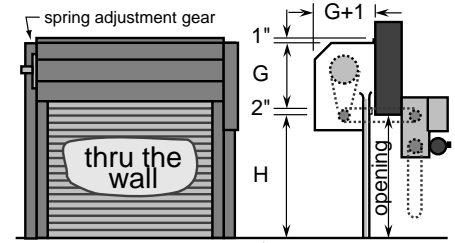
### BOTTOM BAR

BRONZE  
BLACK  
GREY

WIDTH	A	B	C
to 12'6"	6	8	9
12'6" to 18'6"	6	8	9
18'6" to 24'6"	6.5	8.5	9.5



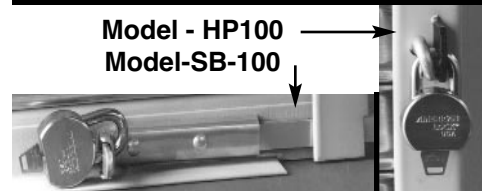
**Models:**  
SC4-25TW  
SF4-25TW



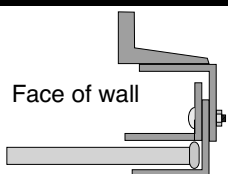
**Models:**  
SC4-45TW  
SF4-45TW

H - HEIGHT	G
to 9'6"	16
9'6" to 11'6"	16
11'6" to 13'6"	17
13'6" to 16'6"	18
16'6" to 19'6"	20

## STANDARD LOCKING TYPES

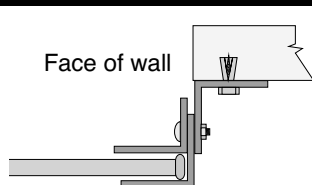


## E-MOUNT



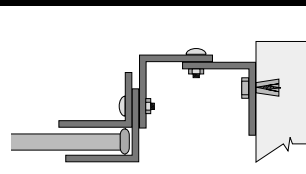
For fastening to steel using machine bolts or welding

## Z-MOUNT



For fastening to masonry using expansion bolts or through the wall threaded rods (if required.)

## BETWEEN THE JAMBS



Where clearances are critical, dimensions may be reduced. Refer inquiries to our Engineering Department.

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