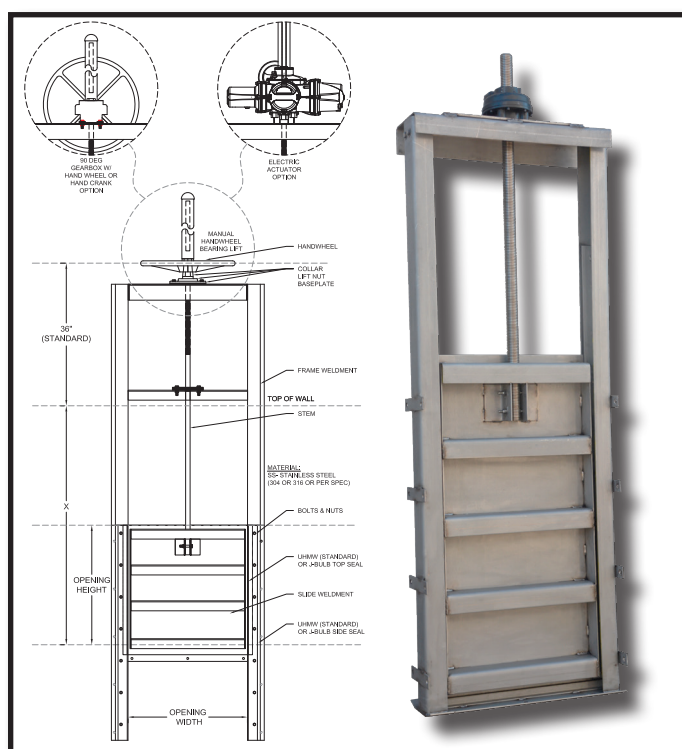




## MUNICIPAL WATER CONTROL PRODUCTS

### FC-SS-SERIES STAINLESS STEEL SLIDE & WEIR GATES



#### **STANDARD FEATURES**

Models: FC-SS & FC-SS-DO

- Replaceable UHMW Self Adjusting Seals Top & Sides (Available with J-Bulb Seals)
- All Stainless Steel Construction
- On-Seating / Off-Seating Head Configurations
- Flush Bottom for Watertight Seal
- Reinforced Slide
- Easy Open / Easy Close Handwheel
- Electrical Operation Available
- Gear Actuator Available
- Pneumatic Actuator Available
- Rolled Threads on Stem
- Available with Non-Rising Stem
- Available In Downward Opening Weir
- Available in Light, Medium, & Heavy Duty
- **Environmentally friendly**
- **Non environmentally degrading**
- **No toxic paints or coatings**

**ALL GATES ENGINEERED PER HEAD PRESSURE  
SPECIFICATION REQUIREMENT**

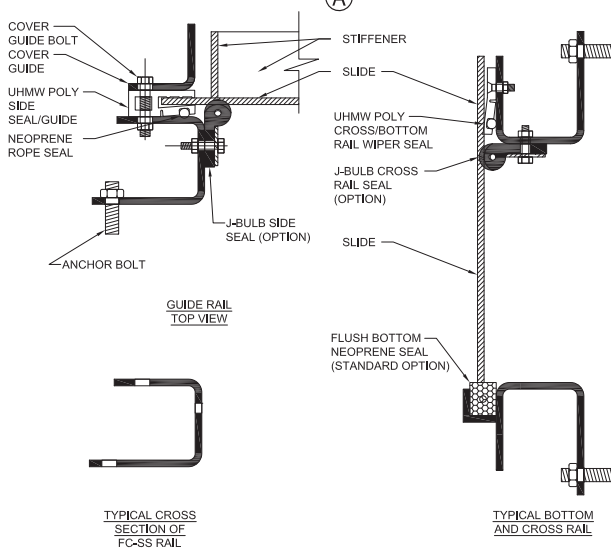
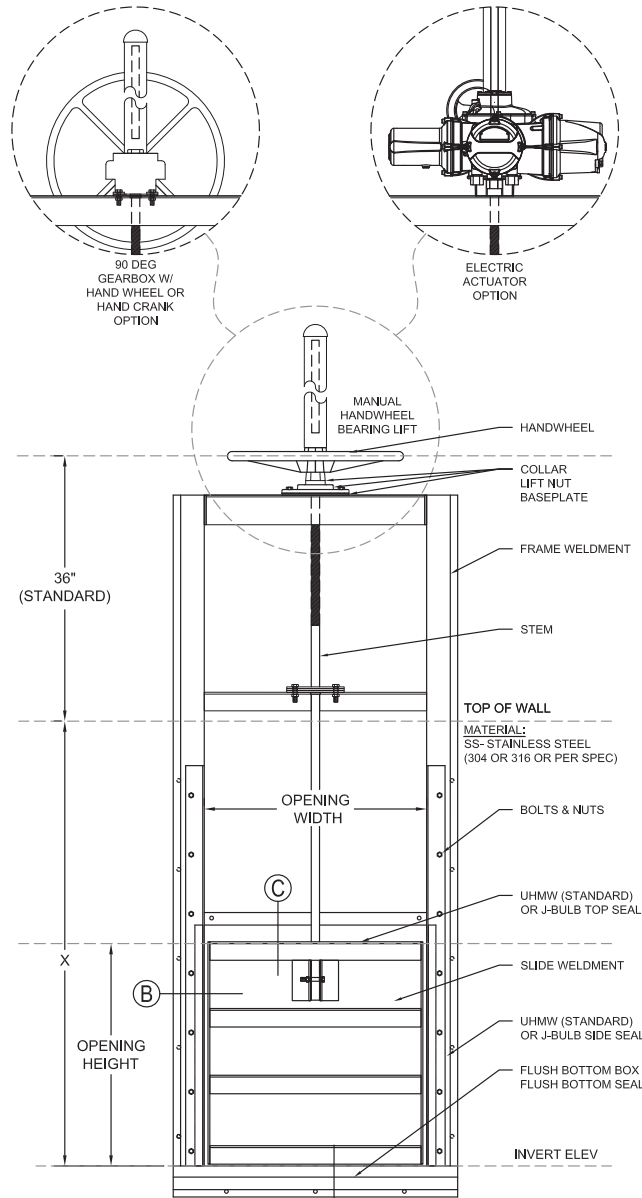
**REQUEST OUR FC-SS BROCHURE FOR ALL AVAILABLE  
OPTIONS FOR THIS GATE SERIES.**

**Mechanical Associates'** stainless steel and aluminum gates provide long life and excellent value for the investment. Installation is quick and easy. All gates come standard with replaceable seals for easy maintenance. Stainless steel and aluminum construction will provide long life in corrosive conditions, with little or no maintenance or replacement parts required.

**Also available from Mechanical Associates**  
Line Gates, Slide Gates, Pressure Gates, Canal Gates, Flap Gates, and more..



## STAINLESS STEEL SLIDE GATE FC-SS



### STANDARD FEATURES:

- All Stainless Steel Construction
- UHMW Self Adjusting Seals Top & Sides
- Seating or Off Seating Head Configurations
- Flush Bottom Neoprene for Watertight Seal
- Reinforced Slide
- Rolled Threads on Stem
- Manual Lift with Handwheel
- Easy Open / Easy Close Handwheel Actuator
- Environmentally friendly
- Non environmentally degrading
- No toxic paints or coatings

### LIFT OPTIONS:

- Electric Actuator
- Geared Roller Bearing Actuator
- Manual Roller Bearing Actuator
- Pneumatic Actuator
- Non-Rising Stem

### MOUNTING OPTIONS:

- Flush Mount
- Embedded
- In-Channel
- Wall Thimble
- Spigot
- Pipe Flange

### FRAME OPTIONS:

- Configuration 1 Light To Medium Duty
- Configuration 2 Heavy duty
- Self Contained
- Non-Self Contained
- Downward Opening

### SEAL OPTIONS:

- Neoprene Or EPDM J-Bulb Seals

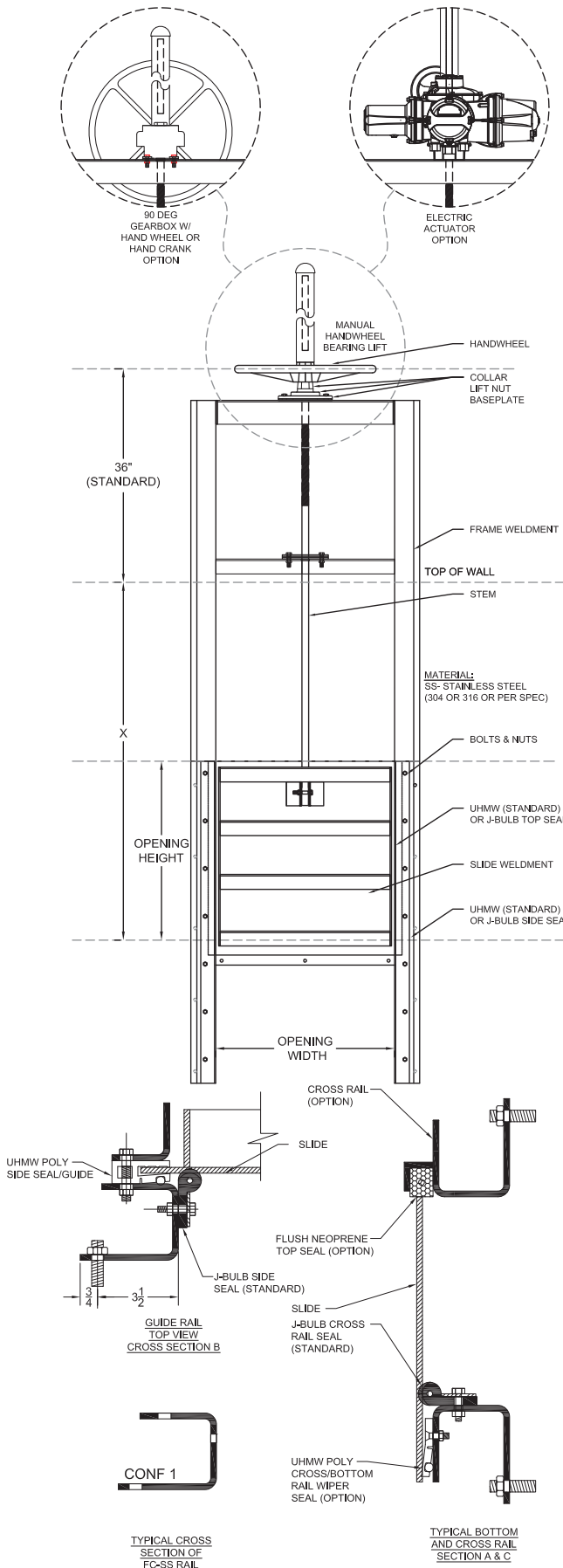
### PARTS & MATERIALS

Handwheel	Cast Iron: ASTM-A126 CL. B
Lift Nut	Commercial Bronze
Collar	Cast Iron: ASTM-A126 CL. B
Base Plate	Aluminum Alloy 6061-T6
Bolts & Nuts	Stainless Steel ASTM A-240 TY.304 or 316
Stem	Stainless Steel ASTM A-240 TY.304 or 316
Frame Weldment	Stainless Steel ASTM A-240 TY.304 or 316
Slide Weldment	Stainless Steel ASTM A-240 TY.304 or 316
Flush Bottom Box	Stainless Steel ASTM A-240 TY.304 or 316
Flush Bottom Seal	Neoprene Rubber: ASTM D-2000
Poly Seal	UHMW
J-Bulb Seal (option)	Neoprene Rubber: ASTM D-2000

FC-SS SLIDE GATE

REV 08.23.15

# **STAINLESS STEEL DOWNWARD OPENING WEIR GATE** **FC-SS-DO**



## **STANDARD FEATURES:**

- All Stainless Steel Construction
- UHMW Self Adjusting Seals Top & Sides
- Seating or Off Seating Head Configurations
- Flush Bottom Neoprene for Watertight Seal
- Reinforced Slide
- Rolled Threads on Stem
- Manual Lift with Handwheel
- Easy Open / Easy Close Handwheel Actuator
- Environmentally friendly
- Non environmentally degrading
- No toxic paints or coatings

## **LIFT OPTIONS:**

- Electric Actuator
- Geared Roller Bearing Actuator
- Manual Roller Bearing Actuator
- Pneumatic Actuator
- Non-Rising Stem

## **MOUNTING OPTIONS:**

- Flush Mount
- Embedded
- In-Channel
- Wall Thimble
- Spigot
- Pipe Flange

## **FRAME OPTIONS:**

- Configuration 1 Light To Medium Duty
- Configuration 2 Heavy duty
- Self Contained
- Non-Self Contained
- Downward Opening

## **SEAL OPTIONS:**

- Neoprene Or EPDM J-Bulb Seals

## **PARTS & MATERIALS**

Handwheel	Cast Iron: ASTM-A126 CL. B
Lift Nut	Commercial Bronze
Collar	Cast Iron: ASTM-A126 CL. B
Base Plate	Aluminum Alloy 6061-T6
Bolts & Nuts	Stainless Steel ASTM A-240 TY.304 or 316
Stem	Stainless Steel ASTM A-240 TY.304 or 316
Frame Weldment	Stainless Steel ASTM A-240 TY.304 or 316
Slide Weldment	Stainless Steel ASTM A-240 TY.304 or 316
Flush Bottom Box	Stainless Steel ASTM A-240 TY.304 or 316
Flush Bottom Seal	Neoprene Rubber: ASTM D-2000
Poly Seal	UHMW
J-Bulb Seal (option)	Neoprene Rubber: ASTM D-2000

FC-SS SLIDE GATE

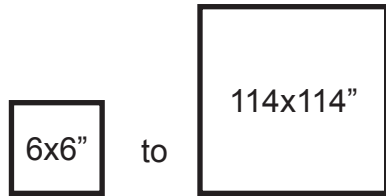
REV 08.23.15

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Sheet No. TN10.2

# TECHNICAL SPECIFICATIONS

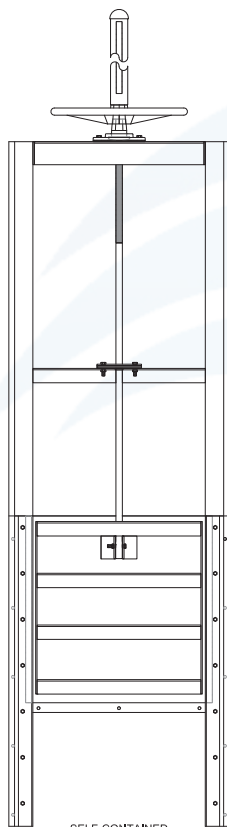
## FC-SS STAINLESS STEEL SLIDE & WEIR GATES



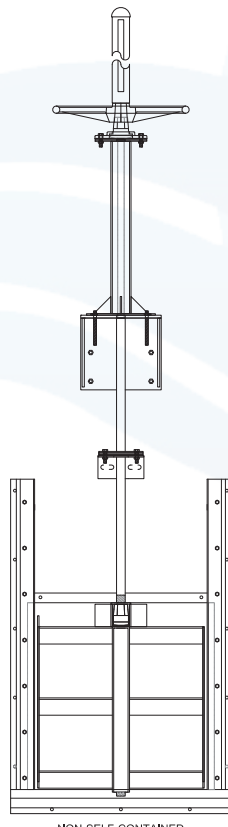
The FC-SS Slide Gate is available in any variation of sizes from 6x6" to 114x114". Please contact us about your custom needs.

	WIDTH										
	6	8	10	12	16	20	24	36	48	60	114
HEIGHT	6	36	48	60	72	96	120	144	216	288	684
	8	48	64	80	96	128	160	192	288	384	912
	10	60	80	100	120	160	200	240	360	480	1140
	12	72	96	120	144	192	240	288	432	576	1368
	16	96	128	160	192	256	320	384	576	768	1824
	20	120	160	200	240	384	400	480	720	960	2280
	24	144	192	240	288	320	480	576	864	1152	2736
	36	216	288	360	432	576	720	864	1296	1728	4104
	48	288	384	480	576	768	960	1152	1728	2304	5472
	60	360	480	600	720	960	1200	1440	2160	2880	6840
	96	576	768	960	1152	1536	1920	2304	3456	4608	10944
	114	684	912	1140	1368	1824	2280	2736	4104	5472	12996

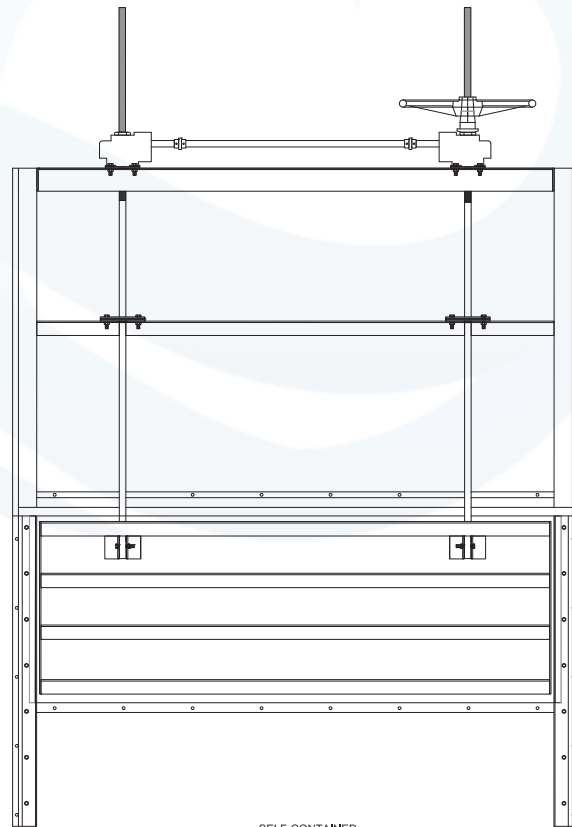
Table shows the operating area of the gate in square inches.



SELF-CONTAINED  
DOWNWARD OPENING  
WEIR RISING STEM



NON-SELF-CONTAINED  
UPWARD OPENING  
NON-RISING STEM



SELF-CONTAINED  
DOWNWARD OPENING  
TANDEM LIFT

**Mechanical Associates'** stainless steel and aluminum gates provide long life and excellent value for the investment. Installation is quick and easy. Field replaceable neoprene seats gives a drip tight seal. Stainless steel and aluminum construction will provide long life in corrosive conditions, with little or no maintenance or replacement parts required.

