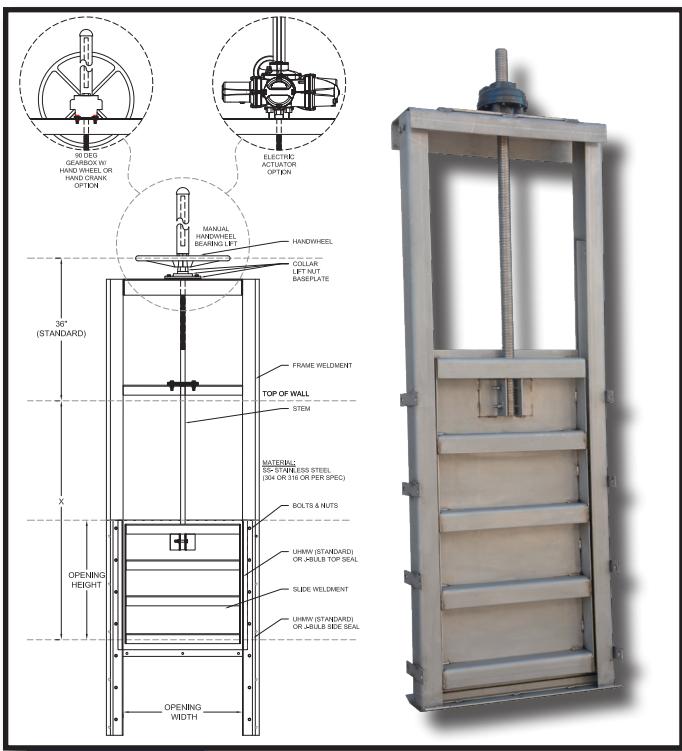




MUNICIPAL WATER CONTROL PRODUCTS

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**

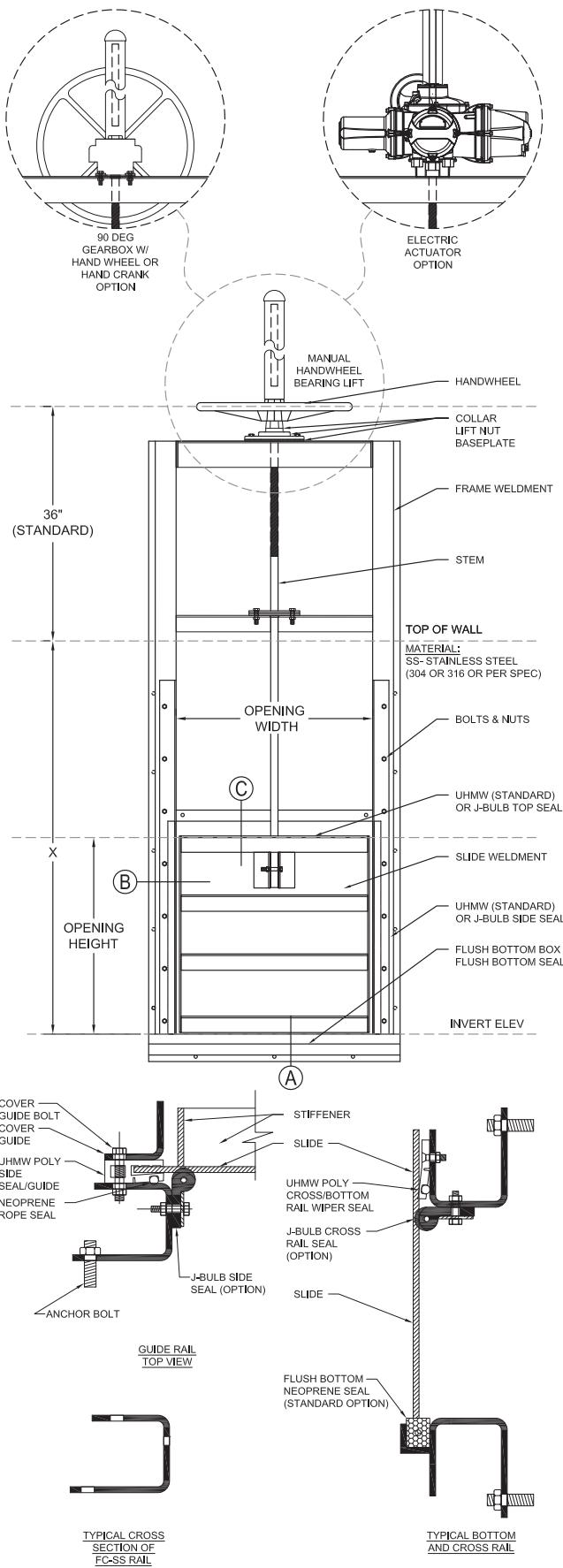
**ALL GATES ENGINEERED PER HEAD PRESSURE
SPECIFICATION REQUIREMENT**

**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

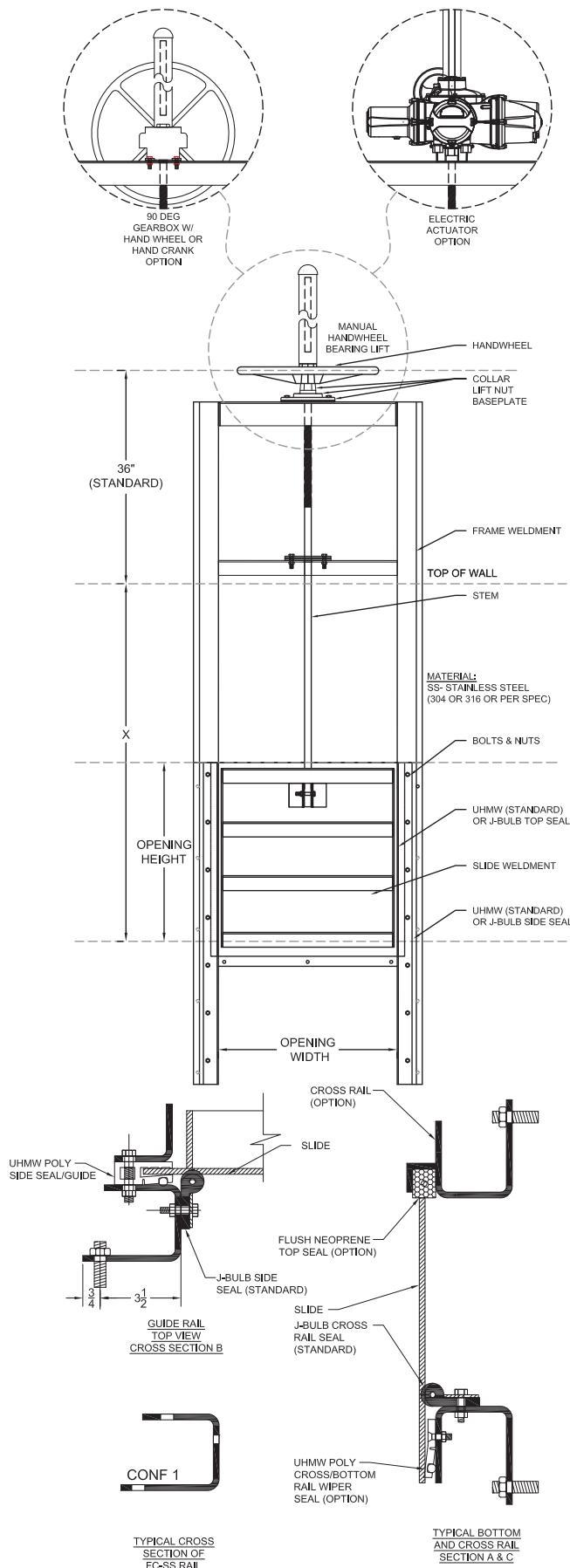
SEAL OPTIONS:

- 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 Weldament	Stainless Steel ASTM A-240 TY.304 or 316
Slide Weldament	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

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

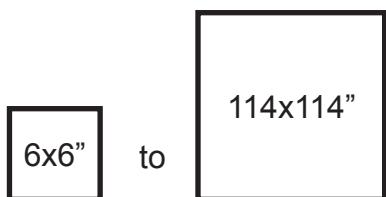
PARTS & MATERIALS

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 Weldament	Stainless Steel ASTM A-240 TY.304 or 316
Slide Weldament	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

TECHNICAL SPECIFICATIONS

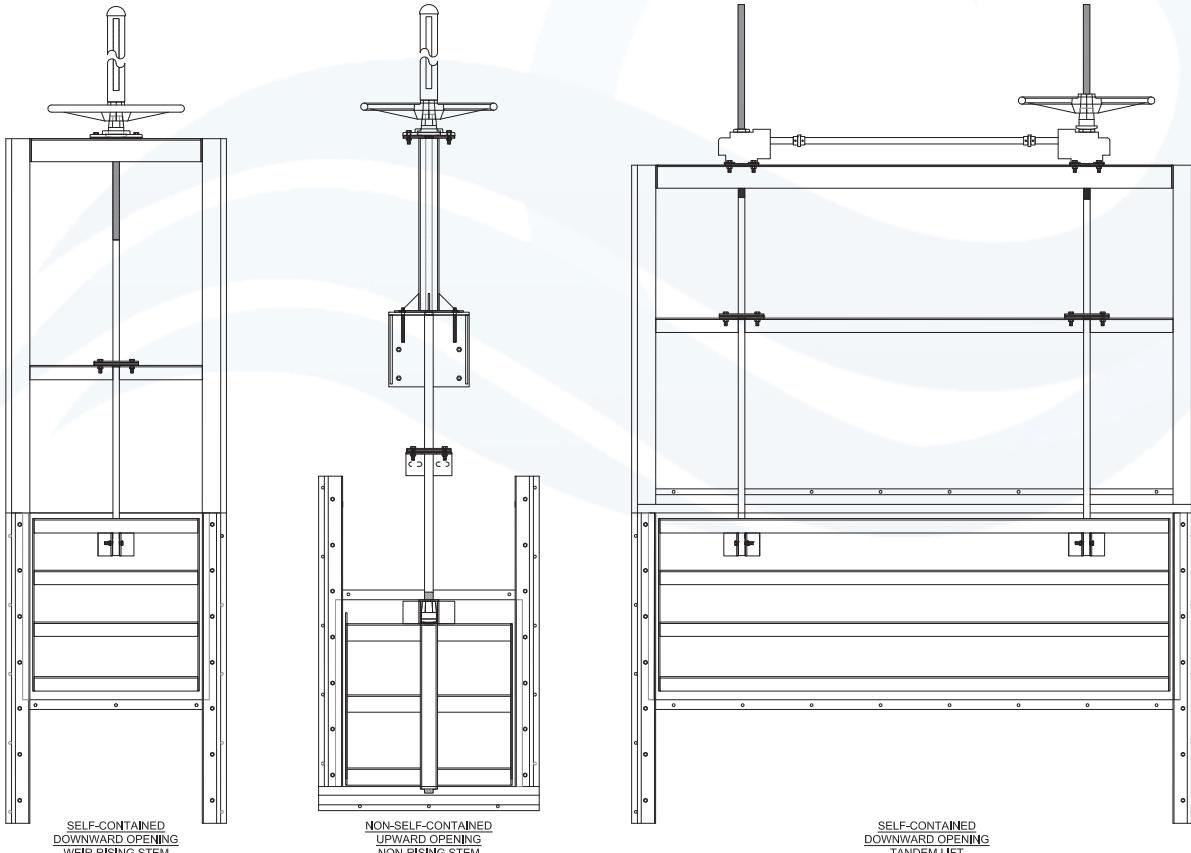
FC-SS STAINLESS STEEL SLIDE & WEIR GATES



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

HEIGHT	WIDTH											
	6	8	10	12	16	20	24	36	48	60	96	114
6	36	48	60	72	96	120	144	216	288	360	576	684
8	48	64	80	96	128	160	192	288	384	480	768	912
10	60	80	100	120	160	200	240	360	480	600	9600	1140
12	72	96	120	144	192	240	288	432	576	720	1152	1368
16	96	128	160	192	256	320	384	576	768	960	1536	1824
20	120	160	200	240	384	400	480	720	960	1200	1920	2280
24	144	192	240	288	320	480	576	864	1152	1440	2304	2736
36	216	288	360	432	576	720	864	1296	1728	2160	3456	4104
48	288	384	480	576	768	960	1152	1728	2304	2880	4608	5472
60	360	480	600	720	960	1200	1440	2160	2880	3600	5760	6840
96	576	768	960	1152	1536	1920	2304	3456	4608	5760	9216	10944
114	684	912	1140	1368	1824	2280	2736	4104	5472	6840	10944	12996

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



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.

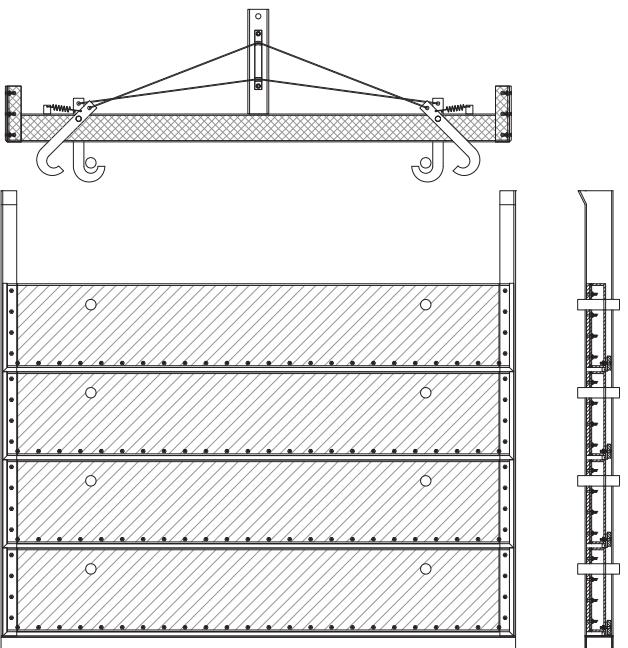


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MUNICIPAL WATER CONTROL PRODUCTS

FC-SS-SERIES HAND PULL STOP GATES, BULKHEADS, & STOP LOGS



STAINLESS STEEL STOP GATE, BULKHEADS, & STOP LOGS STANDARD FEATURES

Model: FC-SS-SG, FC-SS-BH, FC-SS-SL

- 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
- Multiple Handle/Lift Configurations
- 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..



MUNICIPAL WATER CONTROL PRODUCTS

UHO-10-AL-CH-SERIES HAND PULL STOP GATES, BULKHEADS, & STOP LOGS



STAINLESS STEEL STOP GATE, BULKHEADS, & STOP LOGS STANDARD FEATURES

Model: UHO-10-AL-CH-SG, UHO-10-AL-CH-BH, UHO-10-AL-CH-SL

- 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
- Multiple Handle/Lift Configurations
- **Environmentally friendly**
- **Non environmentally degrading**
- **No toxic paints or coatings**

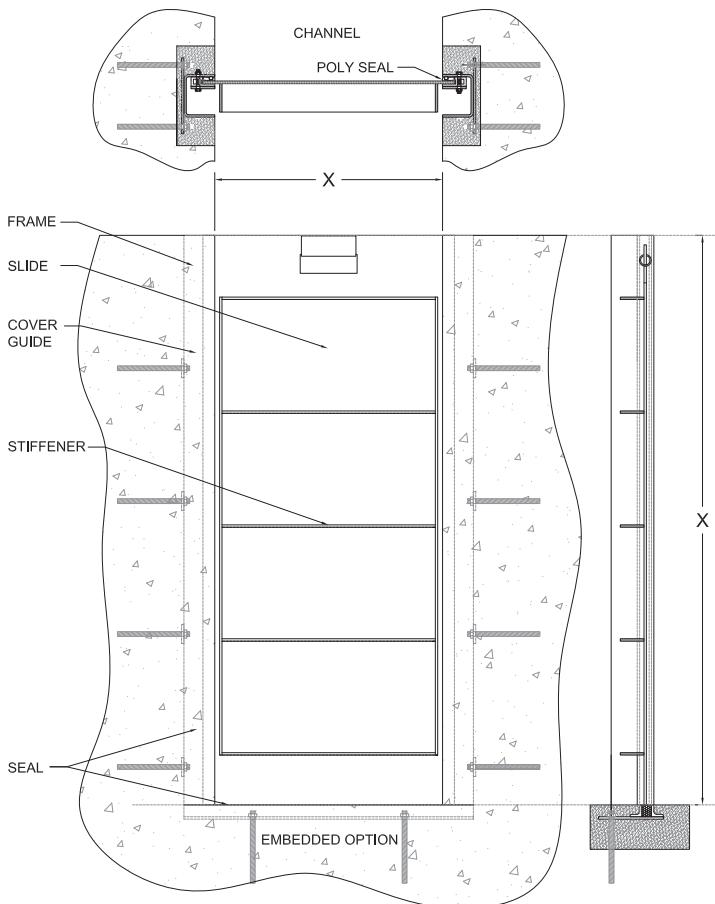
**ALL GATES ENGINEERED PER HEAD PRESSURE
SPECIFICATION REQUIREMENT**

**REQUEST OUR UHO-10-AL-CH BROCHURE FOR ALL
AVAILABLE OPTIONS FOR THIS GATE SERIES.**

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



STAINLESS STEEL STOP GATE
FC-SS-SG

STANDARD FEATURES:

- All Stainless Steel Construction
- UHMW Self Adjusting Seals
- Seating or Off Seating Head Configurations
- Flush Bottom Neoprene for Watertight Seal (Standard)
- Reinforced Slide
- Environmentally friendly
- Non environmentally degrading
- No toxic paints or coatings

LIFT OPTIONS:

- Multiple Lift Handle Configurations (Per Spec)
- Lifting Beams (Stop Logs or Bulkhead)

MOUNTING OPTIONS:

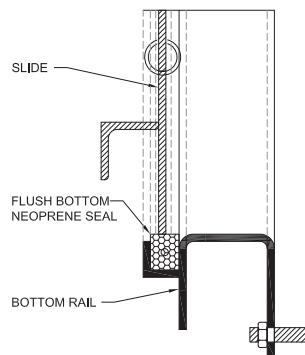
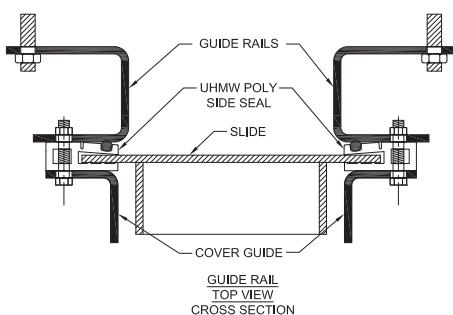
- Flush Mount
- Embedded
- In-Channel

FRAME OPTIONS:

- Configuration 1 Light To Medium Duty
- Configuration 2 Heavy duty

SEAL OPTIONS:

- Neoprene Or EPDM J-Bulb Seals

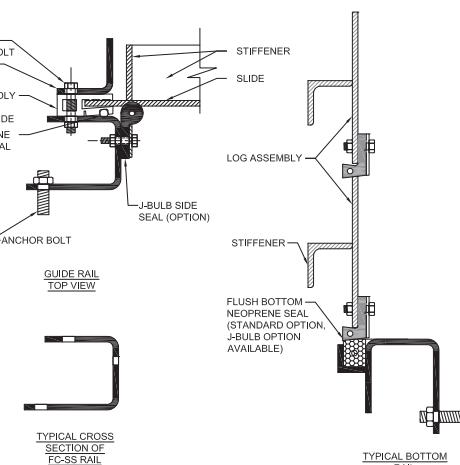
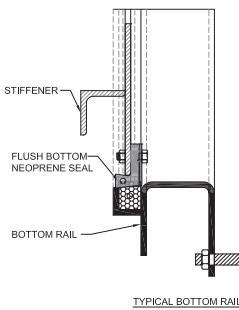
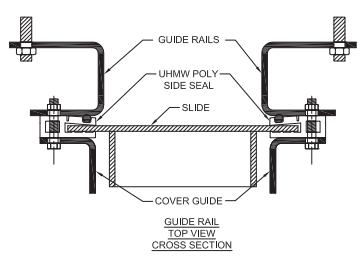
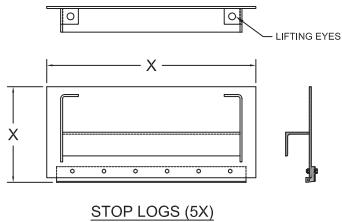
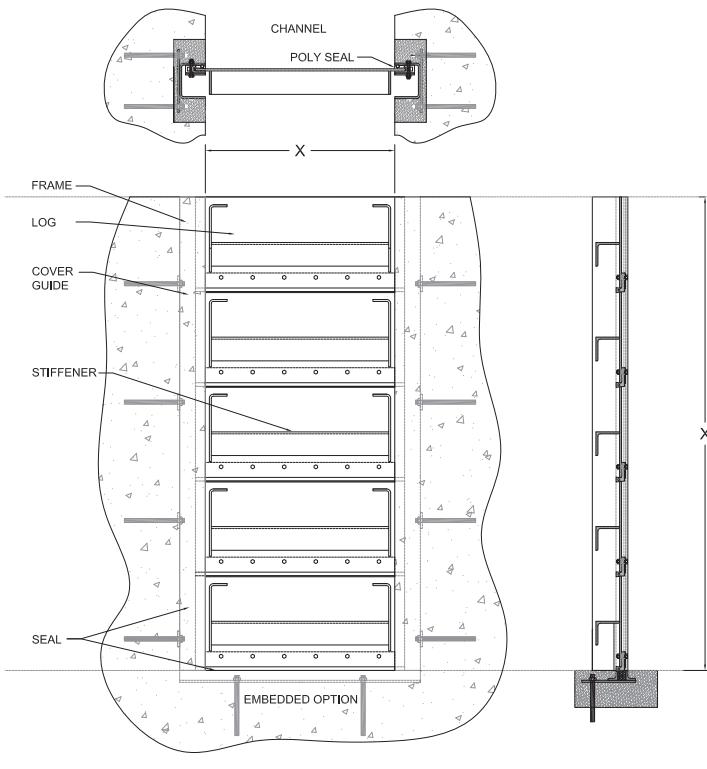

STANDARD FLANGE BACK WALL MOUNT
PARTS & MATERIALS

Bolts & Nuts	Stainless Steel ASTM A-240 TY.304 or 316
Frame Weldament	Stainless Steel ASTM A-240 TY.304 or 316
Slide Weldament	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 HAND PULL STOP GATE, STOP LOG, BULKHEAD GATE



STAINLESS STEEL STOP LOG GATE FC-SS-SL



STANDARD FLANGE BACK WALL MOUNT

STAINLESS STEEL BULKHEAD GATE
FC-BH
STANDARD FEATURES:

- All Stainless Steel Construction
- UHMW Self Adjusting Seals
- Seating or Off Seating Head Configurations
- Flush Bottom Neoprene for Watertight Seal
- Reinforced Slide (Logs)
- Easy Open / Easy Close Handwheel Actuator
- Environmentally friendly
- Non environmentally degrading
- No toxic paints or coatings

LIFT OPTIONS:

- Multiple Lifting Configurations (Per Spec)
- Lifting Beams (Stop Logs)

MOUNTING OPTIONS:

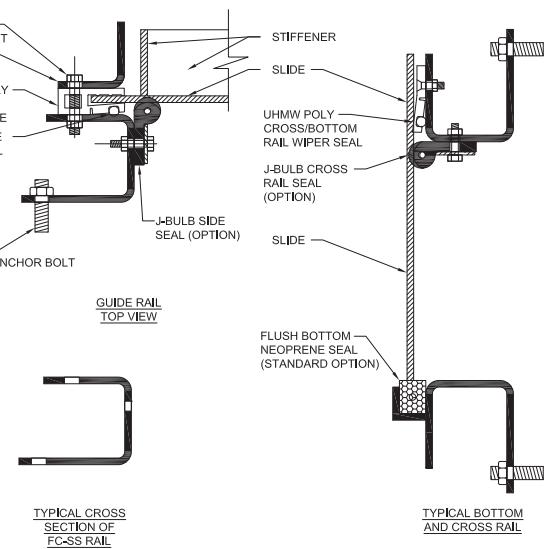
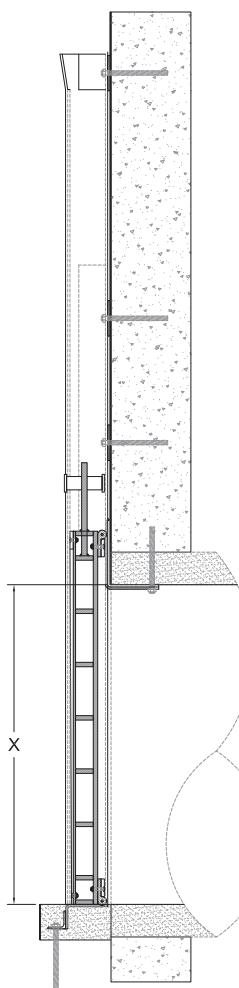
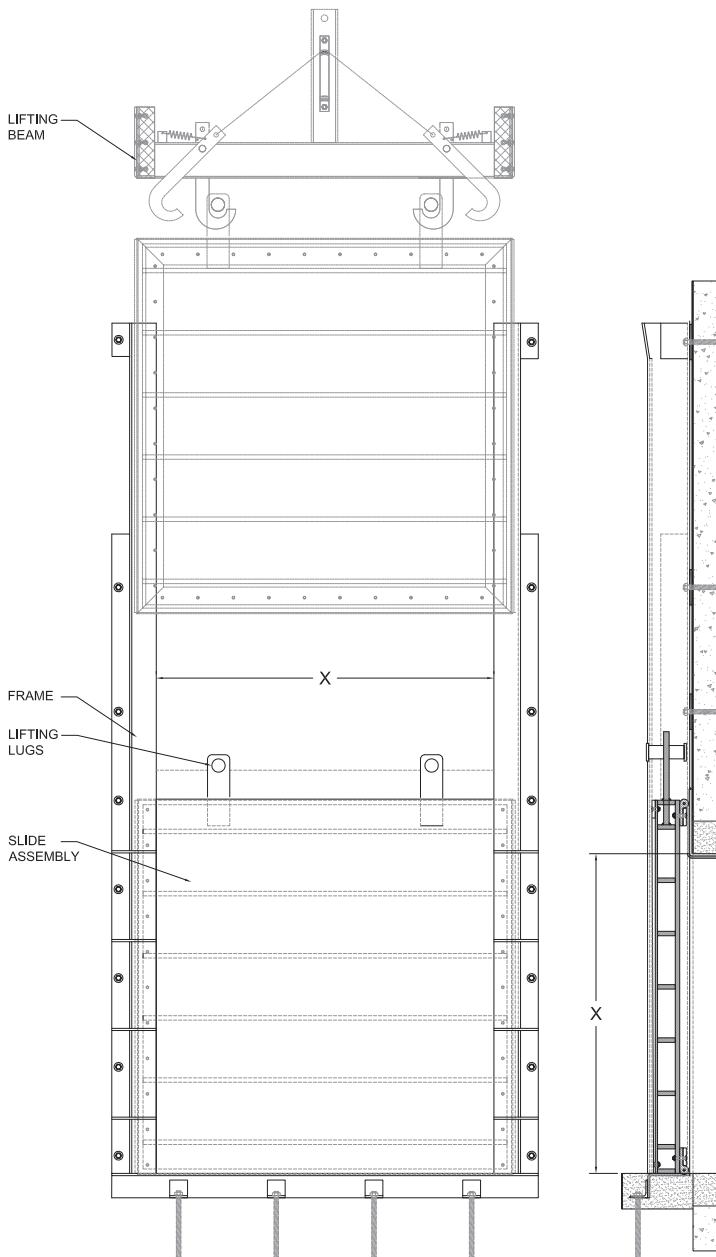
- Flush Mount
- Embedded
- In-Channel

FRAME OPTIONS:

- Configuration 1 Light To Medium Duty
- Configuration 2 Heavy duty

SEAL OPTIONS:

- Neoprene Or EPDM J-Bulb Seals


**STANDARD FLANGE BACK
WALL MOUNTED**

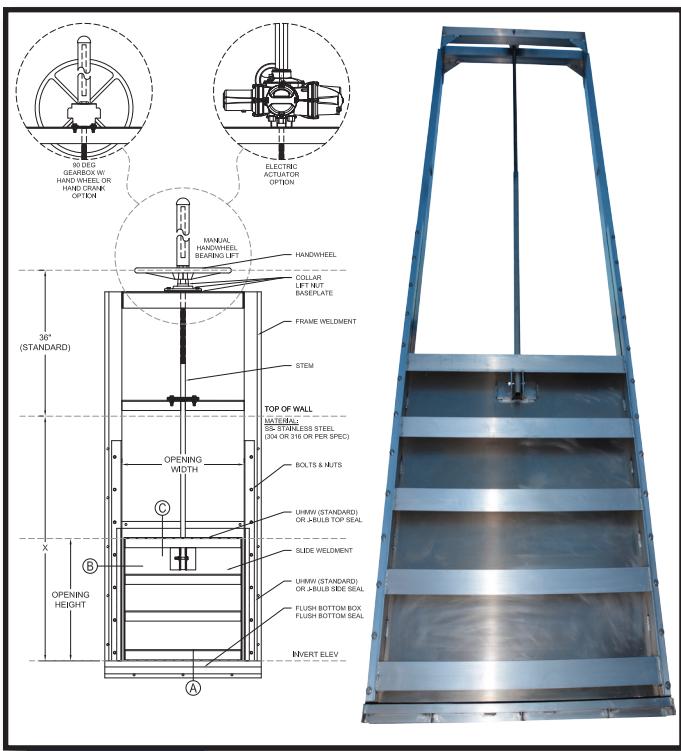
PARTS & MATERIALS	
Bolts & Nuts	Stainless Steel ASTM A-240 TY.304 or 316
Frame Weldament	Stainless Steel ASTM A-240 TY.304 or 316
Slide Weldament	Stainless Steel ASTM A-240 TY.304 or 316
Flush Bottom Box	Stainless Steel ASTM A-240 TY.304 or 316
Flush Bottom Seal	Neoprene Rubber: ASTM D-2000
Poly Seal	UHMW
J-Bulb Seal (option)	Neoprene Rubber: ASTM D-2000

FC-SS HAND PULL STOP GATE, STOP LOG, BULKHEAD GATE



MUNICIPAL WATER CONTROL PRODUCTS

UHO-10-AL-CH ALUMINUM SLIDE & WEIR GATES



ALUMINUM SLIDE GATE

Model: UHO-10-AL-CH

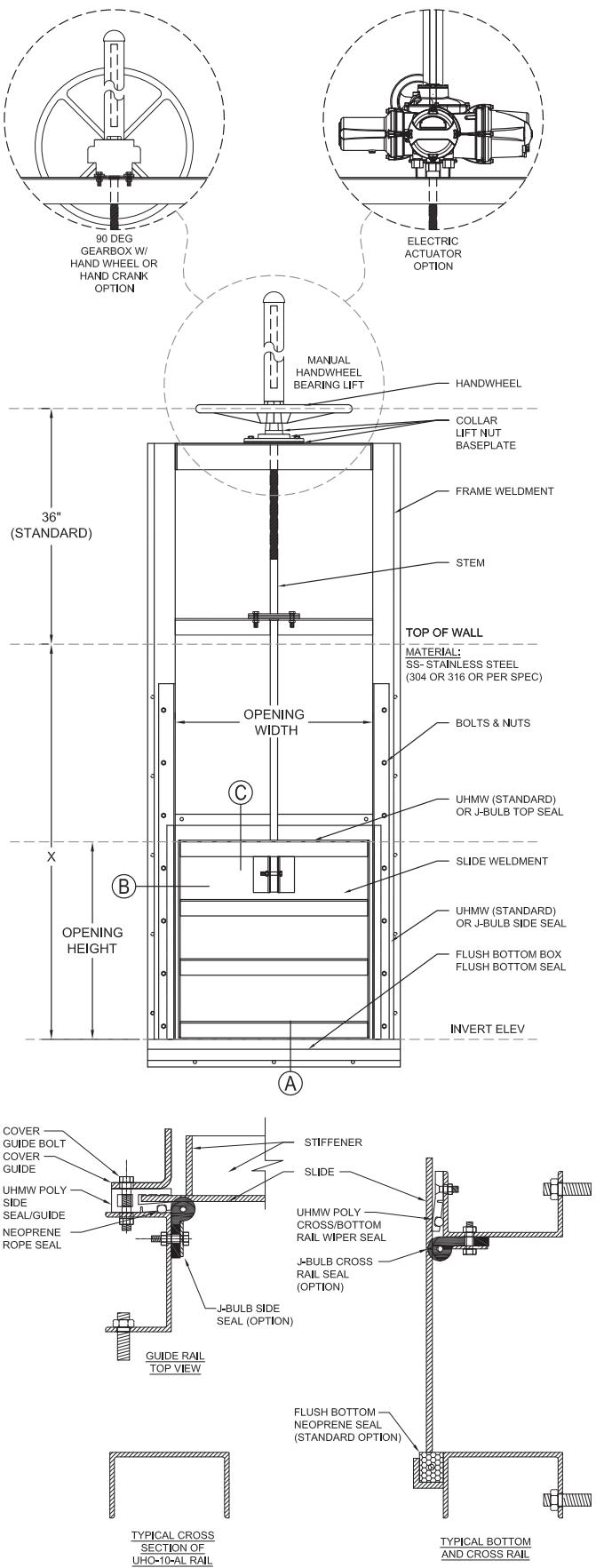
- Replaceable UHMW Or Neoprene J-Bulb Seals
- All Aluminum Construction
- Stainless Steel Slide Option (SALS)
- Seating/Off Seating Head
- Flush Bottom for Watertight Seal
- Reinforced Slide
- Easy Open / Easy Close Handwheel
- Electrical Operation Available
- Gear Actuator Available
- Pneumatic Actuator 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 UHO-10-AL-CH 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..

**ALUMINUM SLIDE GATE
UHO-10-AL**

STANDARD FEATURES:

- All Aluminum 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

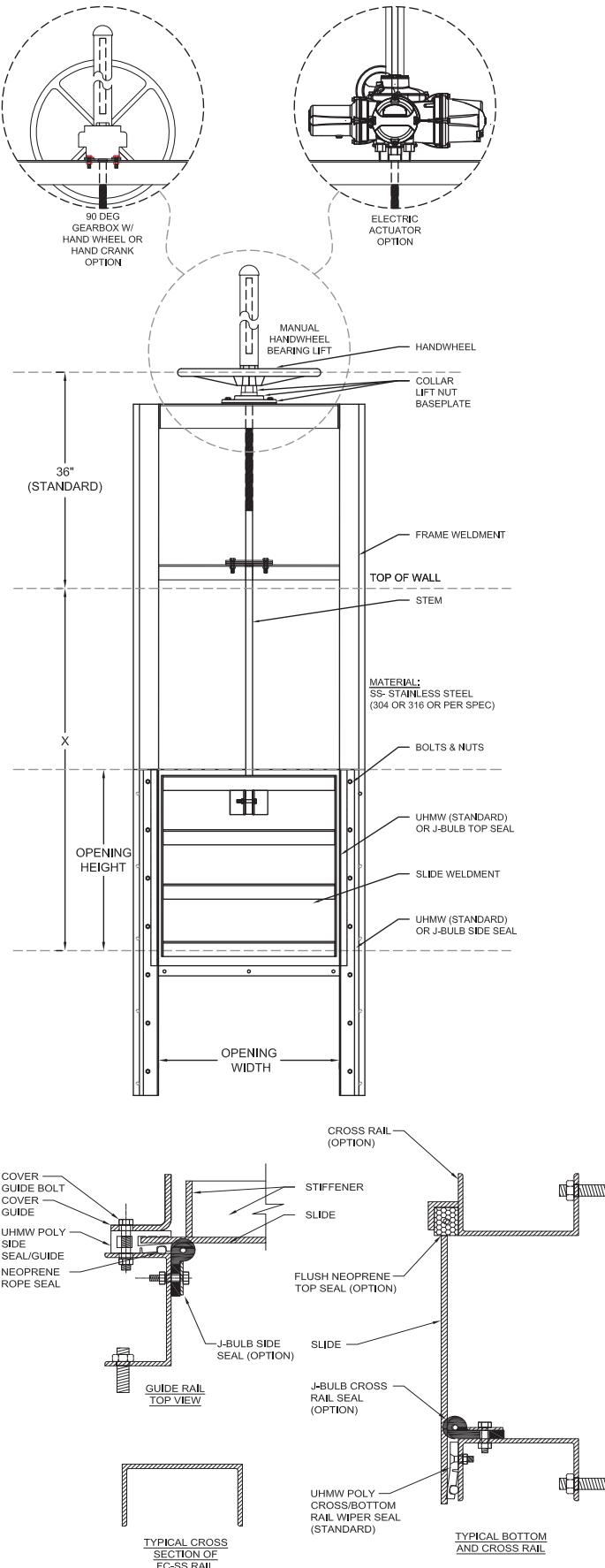
SEAL OPTIONS:

- 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-276 TY.304 Or 316
Stem	Stainless Steel ASTM A-276 TY.304 Or 316
Frame Weldament	Aluminum Alloy 6061-T6
Slide Weldament	Aluminum Alloy 6061-T6
Flush Bottom Box	Aluminum Alloy 6061-T6
Flush Bottom Seal	Neoprene Rubber: ASTM D-2000
J-Bulb	Neoprene Rubber: ASTM D-2000
Poly Seal	UHMW

UHO-10-AL-CH SLIDE & WEIR GATE

**ALUMINUM DOWNWARD OPENING WEIR GATE
UHO-10-AL-DO**

STANDARD FEATURES:

- All Aluminum 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

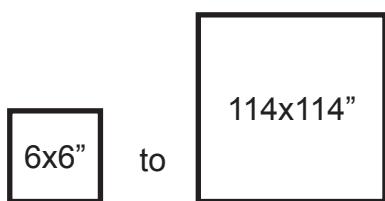
PARTS & MATERIALS

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-276 TY.304 Or 316
Stem	Stainless Steel ASTM A-276 TY.304 Or 316
Frame Weldament	Aluminum Alloy 6061-T6
Slide Weldament	Aluminum Alloy 6061-T6
Flush Bottom Box	Aluminum Alloy 6061-T6
Flush Bottom Seal	Neoprene Rubber: ASTM D-2000
J-Bulb	Neoprene Rubber: ASTM D-2000
Poly Seal	UHMW

UHO-10-AL-CH SLIDE & WEIR GATE

TECHNICAL SPECIFICATIONS

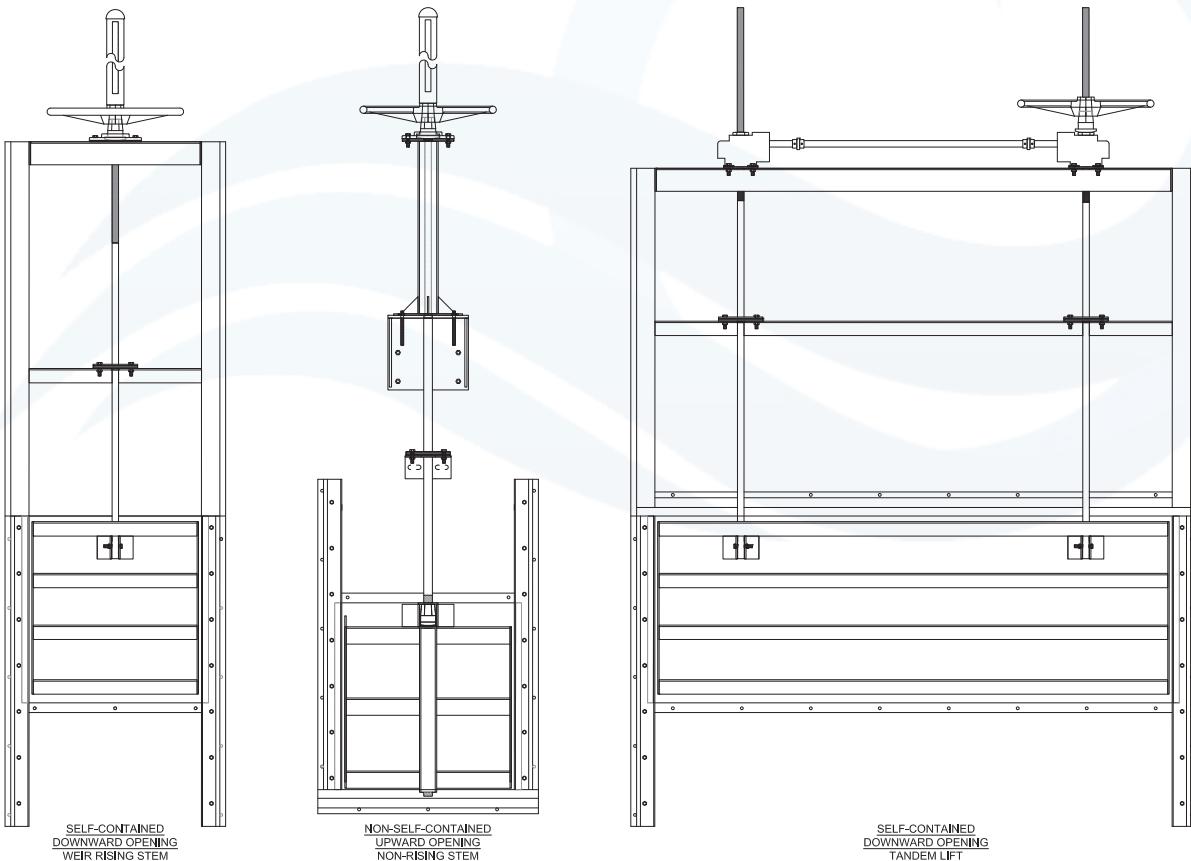
UHO-10-AL ALUMINUM SLIDE & WEIR GATES



The UHO-10 Slide Gate is available in any variation of sizes from 6x6" to 114x114". Please contact us about your custom needs.

HEIGHT	WIDTH											
	6	8	10	12	16	20	24	36	48	60	96	114
6	36	48	60	72	96	120	144	216	288	360	576	684
8	48	64	80	96	128	160	192	288	384	480	768	912
10	60	80	100	120	160	200	240	360	480	600	960	1140
12	72	96	120	144	192	240	288	432	576	720	1152	1368
16	96	128	160	192	256	320	384	576	768	960	1536	1824
20	120	160	200	240	384	400	480	720	960	1200	1920	2280
24	144	192	240	288	320	480	576	864	1152	1440	2304	2736
36	216	288	360	432	576	720	864	1296	1728	2160	3456	4104
48	288	384	480	576	768	960	1152	1728	2304	2880	4608	5472
60	360	480	600	720	960	1200	1440	2160	2880	3600	5760	6840
96	576	768	960	1152	1536	1920	2304	3456	4608	5760	9216	10944
114	684	912	1140	1368	1824	2280	2736	4104	5472	6840	10944	12996

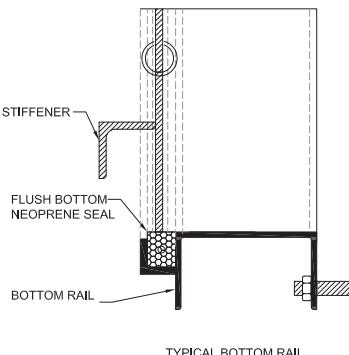
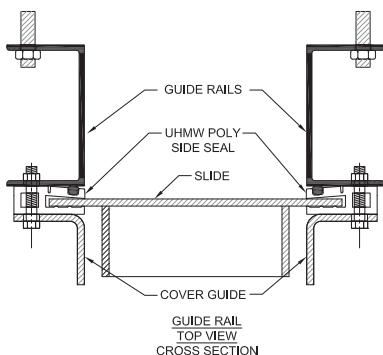
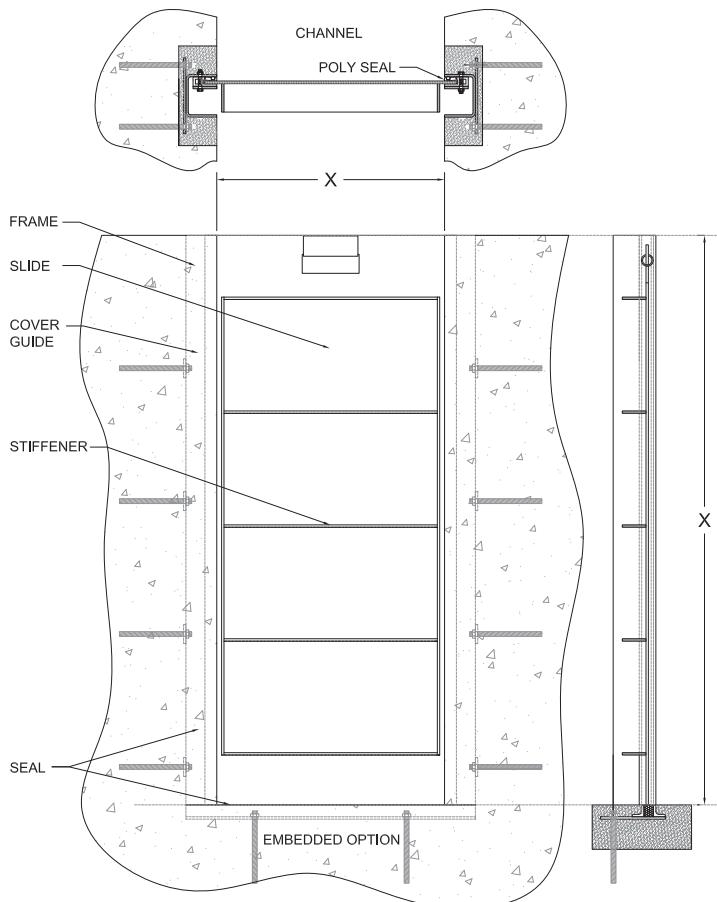
Table shows the operating area of the gate in square inches.



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.



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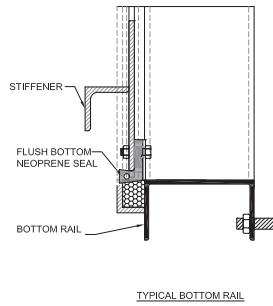
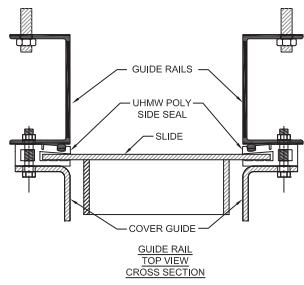
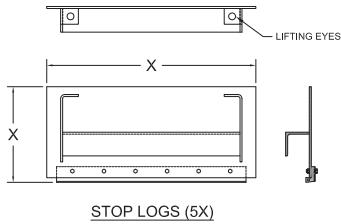
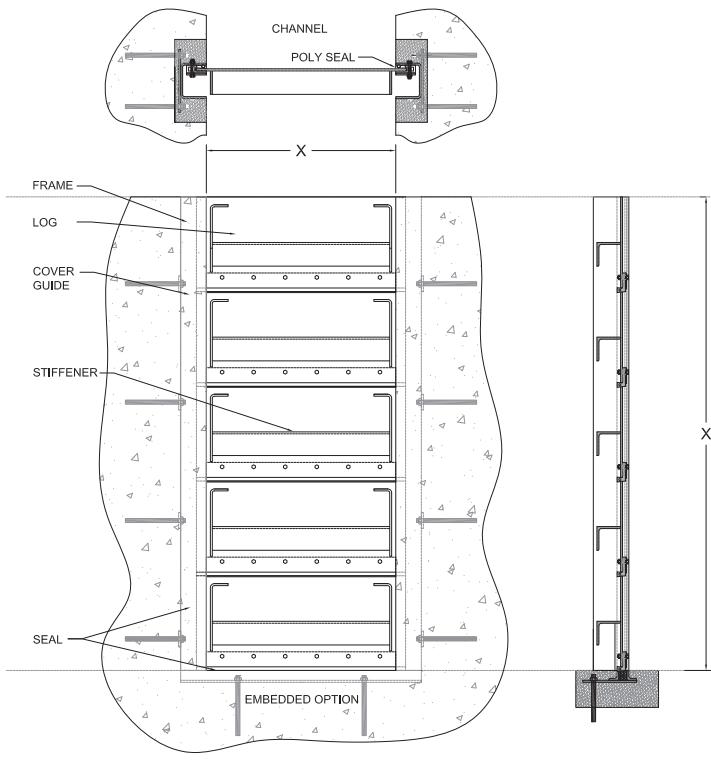
**ALUMINUM STOP GATE
UHO-10-AL-SG**

STANDARD FLANGE BACK WALL MOUNT
PARTS & MATERIALS

Bolts & Nuts	Aluminum Alloy 6061-T6
Frame Weldament	Aluminum Alloy 6061-T6
Slide Weldament	Aluminum Alloy 6061-T6
Flush Bottom Box	Aluminum Alloy 6061-T6
Flush Bottom Seal	Neoprene Rubber: ASTM D-2000
Poly Seal	UHMW
J-Bulb Seal (option)	Neoprene Rubber: ASTM D-2000

UHO-10-P-AL HAND PULL STOP GATE, STOP LOG, BULKHEAD GATE



ALUMINUM STOP LOG GATE FC-SS-SL



STANDARD FEATURES:

- All Aluminum Construction
- UHMW Self Adjusting Seals
- Seating or Off Seating Head Configurations
- Flush Bottom Neoprene for Watertight Seal
- Reinforced Slide (Logs)
- Easy Open / Easy Close Handwheel Actuator
- Environmentally friendly
- Non environmentally degrading
- No toxic paints or coatings

LIFT OPTIONS:

- Multiple Lifting Configurations (Per Spec)
- Lifting Beams (Stop Logs)

MOUNTING OPTIONS:

- Flush Mount
- Embedded
- In-Channel

FRAME OPTIONS:

- Configuration 1 Light To Medium Duty
- Configuration 2 Heavy duty

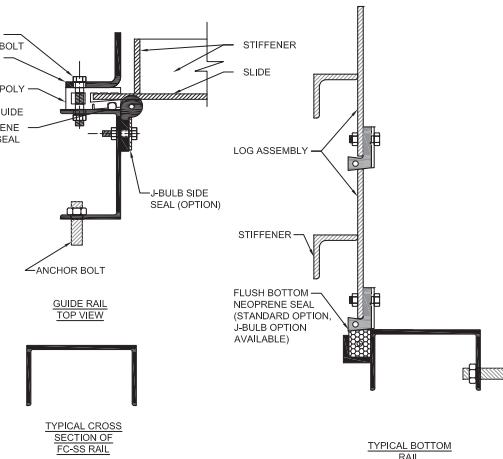
SEAL OPTIONS:

- Neoprene Or EPDM J-Bulb Seals

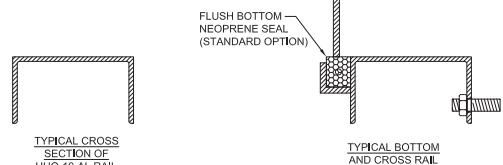
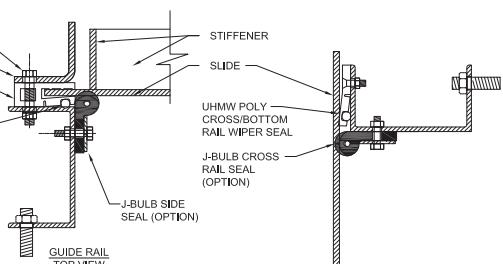
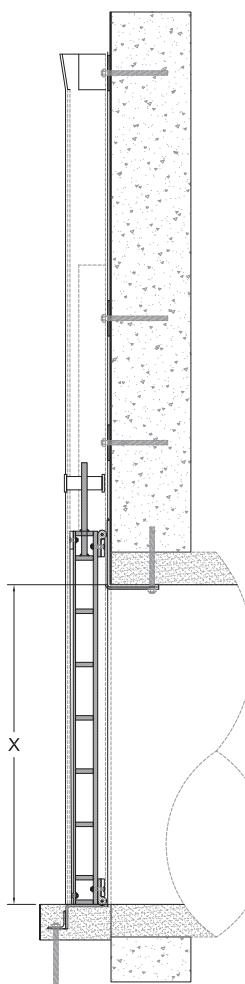
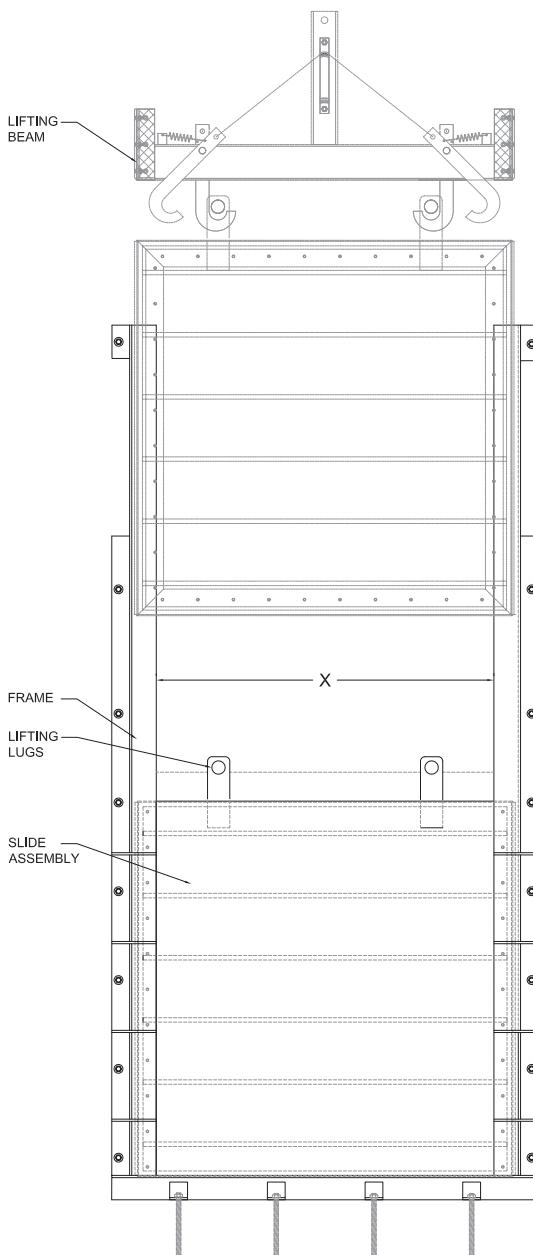
PARTS & MATERIALS

Bolts & Nuts	Aluminum Alloy 6061-T6
Frame Weldament	Aluminum Alloy 6061-T6
Slide Weldament	Aluminum Alloy 6061-T6
Flush Bottom Box	Aluminum Alloy 6061-T6
Flush Bottom Seal	Neoprene Rubber: ASTM D-2000
Poly Seal	UHMW
J-Bulb Seal (option)	Neoprene Rubber: ASTM D-2000

UHO-10-P-AL HAND PULL STOP GATE, STOP LOG, BULKHEAD GATE



STANDARD FLANGE BACK WALL MOUNT



PARTS & MATERIALS

Bolts & Nuts	Aluminum Alloy 6061-T6
Frame Weldament	Aluminum Alloy 6061-T6
Slide Weldament	Aluminum Alloy 6061-T6
Flush Bottom Box	Aluminum Alloy 6061-T6
Flush Bottom Seal	Neoprene Rubber: ASTM D-2000
Poly Seal	UHMW
J-Bulb Seal (option)	Neoprene Rubber: ASTM D-2000

UHO-10-P-AL HAND PULL STOP GATE, STOP LOG, BULKHEAD GATE

ALUMINUM BULKHEAD GATE UHO-10-AL-BH

STANDARD FEATURES:

- All Aluminum Construction
- UHMW Self Adjusting Seals
- Seating or Off Seating Head Configurations
- Flush Bottom Neoprene for Watertight Seal
- Reinforced Slide (Logs)
- Easy Open / Easy Close Handwheel Actuator
- Environmentally friendly
- Non environmentally degrading
- No toxic paints or coatings

LIFT OPTIONS:

- Multiple Lifting Configurations (Per Spec)
- Lifting Beams (Stop Logs)

MOUNTING OPTIONS:

- Flush Mount
- Embedded
- In-Channel

FRAME OPTIONS:

- Configuration 1 Light To Medium Duty
- Configuration 2 Heavy duty

SEAL OPTIONS:

- Neoprene Or EPDM J-Bulb Seals

STANDARD FLANGE BACK

WALL MOUNTED



MUNICIPAL WATER CONTROL PRODUCTS

UHO-30 FLAP GATE STAINLESS STEEL OR ALUMINUM



Stainless Steel Or Aluminum Flap Gate

Model: UHO-30-SS or UHO-30-AL

- All Stainless Steel Construction
- Bronze Hinge Pins
- Brass Bushings W/ S.S. Hinge Pin Option
- Dual Pivot Design Available
- Replaceable Neoprene Rubber Seal
- Built for Pipe O.D. or I.D. Mounting
- Spigot Back or Flange Back Available
- Heavy Reverse Dome Cover for Higher Heads
- **Environmentally friendly**
- **Non environmentally degrading**
- **No toxic paints or coatings**

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.

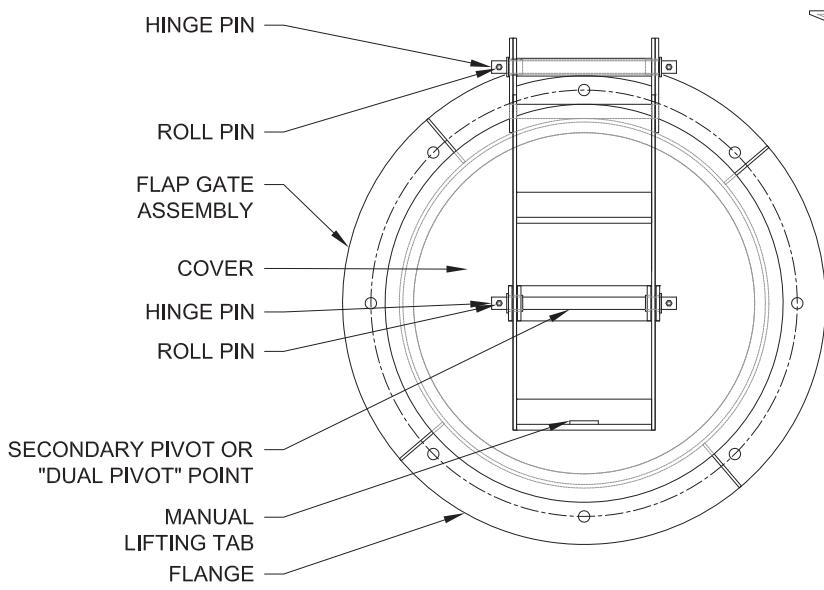
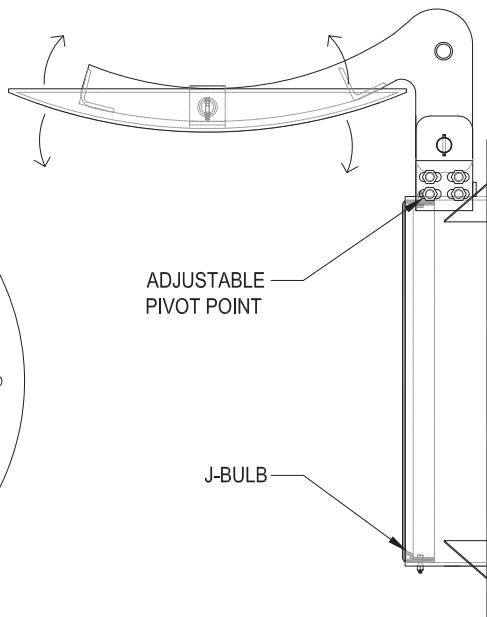
Also available from Mechanical Associates
Line Gates, Slide Gates, Pressure Gates, Canal Gates, Flap Gates, and more..



**STAINLESS STEEL OR ALUMINUM FLAP GATE
UHO-30 (SS OR AL) STANDARD AND HEAVY DUTY**

FEATURES:

- All Stainless Steel Or Aluminum Construction
- Bronze Hinge Pin
- Replaceable Neoprene Rubber Gasket
- O.D. and I.D. Mountaing Available
- Spigot Back, Flat Back, or Fla`● Heavy Reverse Dome Cover for Higher Heads
(Up to 30 Feet of Head Pressure Standard)
- Single or Double Pivot Point Design
- Available in Heavy Duty (Up to 50ft Head)
- Environmentally friendly
- Non environmentally degrading
- No toxic paints or coatings


FRONT VIEW

SIDE VIEW
PARTS & MATERIALS

Flap Gate Assembly	Stainless Steel ASTM A-276 TY.304
Flange	Stainless Steel ASTM A-276 TY.304
Cover	Stainless Steel ASTM A-276 TY.304
Hinge Pin	Commercial Bronze
Roll Pin	Stainless Steel ASTM A-276 TY.304
Cross Member	Stainless Steel ASTM A-276 TY.304
Lift Tab	Stainless Steel ASTM A-276 TY.304
J-Bulb Seal	Neoprene Rubber: ASTM D-2000

UHO-30-SS FLAP GATE

PARTS & MATERIALS

Flap Gate Assembly	Aluminum Alloy 6061-T6
Flange	Aluminum Alloy 6061-T6
Cover	Aluminum Alloy 6061-T6
Hinge Pin	Commercial Bronze
Roll Pin	Stainless Steel ASTM A-276 TY.304
Cross Member	Aluminum Alloy 6061-T6
Lift Tab	Aluminum Alloy 6061-T6
J-Bulb Seal	Neoprene Rubber: ASTM D-2000

UHO-30-AL FLAP GATE



MUNICIPAL WATER CONTROL PRODUCTS

UHO-30-SQ STAINLESS STEEL OR ALUMINUM SQUARE FLAP GATE



Square Flap Gate

Model: UHO-30-SQ-SS Or UHO-30-SQ-AL

- All Stainless Steel Construction
- Bronze Hinge Pins
- Dual Pivot Option Available
- Adjustable Hinge Arms For Sensitive Seating
- Replaceable Neoprene Rubber Seal
- Custom Sizes Available
- Rectangular Proportions Available
- **Environmentally friendly**
- **Non environmentally degrading**
- **No toxic paints or coatings**

** Available In All Aluminum - UHO-30SQ-AL

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..



**SQUARE FLAP GATE
UHO-30SQ-(SS OR AL)**

FEATURES:

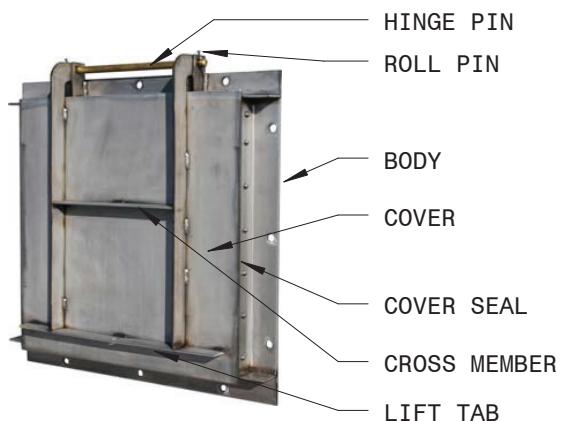
- All Stainless Steel Or Aluminum Construction
- Bronze Hinge Pin
- Replaceable Neoprene Rubber Gasket
- Available in Sizes 10"-48"
- Custom Sizes Available
- Rectangular Proportions Available
- Environmentally friendly
- Non environmentally degrading
- No toxic paints or coatings

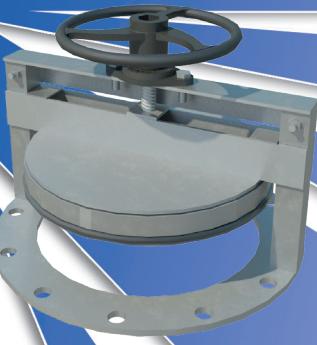
PARTS & MATERIALS	
Body	Aluminum Alloy 6061-T6
Cover	Aluminum Alloy 6061-T6
Hinge Pin	Commercial Bronze
Roll Pin	Stainless Steel ASTM A-276 TY.304
Cross Member	Aluminum Alloy 6061-T6
Lift Tab	Aluminum Alloy 6061-T6
Cover Seal	Neoprene Rubber ASTM: D-2000

UHO-30SQ-AL

PARTS & MATERIALS	
Body	Stainless Steel ASTM A-276 TY.304
Cover	Stainless Steel ASTM A-276 TY.304
Hinge Pin	Commercial Bronze
Roll Pin	Stainless Steel ASTM A-276 TY.304
Cross Member	Stainless Steel ASTM A-276 TY.304
Lift Tab	Stainless Steel ASTM A-276 TY.304
Cover Seal	Neoprene Rubber ASTM: D-2000

UHO-30SQ-SS





MUNICIPAL WATER CONTROL PRODUCTS

UHO-MV-SS STAINLESS STEEL MUD VALVE



Mud Valve

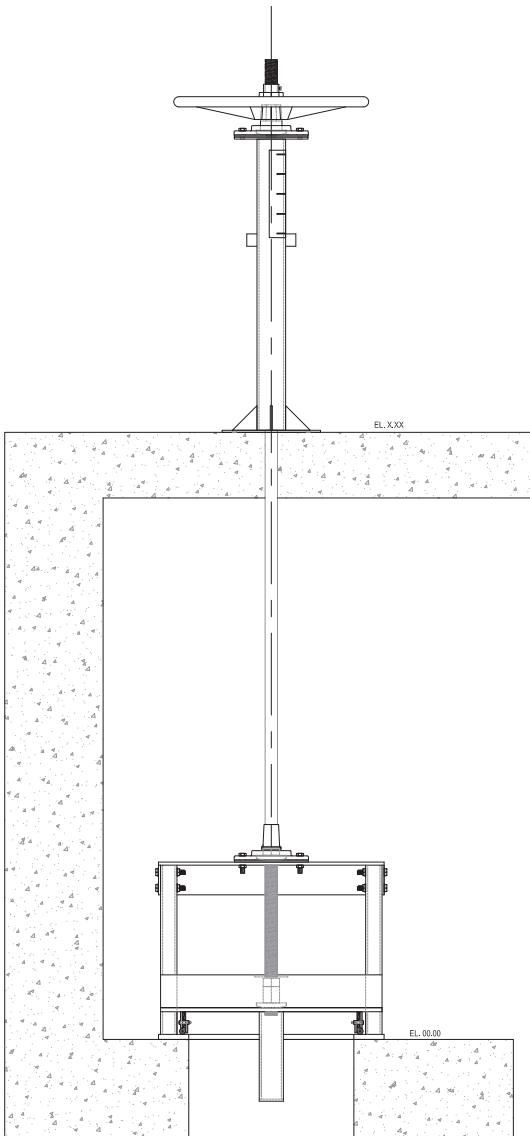
Model: UHO-MV-SS

- 304 or 316 stainless steel construction
- Stainless steel non rising stem
- Replacable neoprene rubber seals
- Outlet configured for a standard 125 lb flange
- Operating pressure: 30 ft. of head
- Handwheel extensions available
- Will outlast cast iron, no rust or corrosion
- Available in sizes 4" - 30"
- Also available in custom sizes
- Customize Per Application
- **Non environmentally degrading**
- **No toxic paints or coatings**

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..

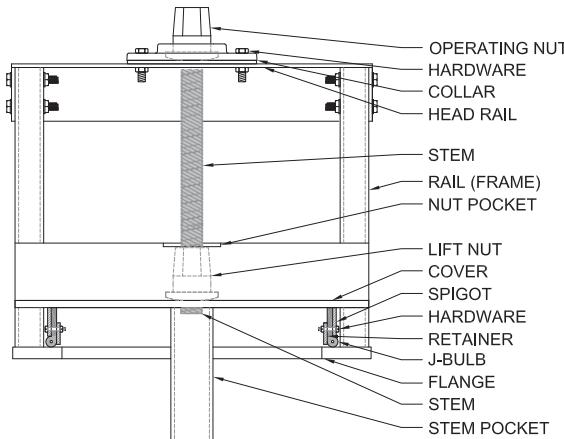


**STAINLESS STEEL MUD VALVE
UHO-MV-SS**

FEATURES:

- 304 or 316 Stainless Steel Construction
- Stainless Steel Non-Rising Stem
- Replaceable High Carbon Rubber Seals
- Outlet Configured for Standard 125 lbs. Flange
- Operating Pressure: 30 ft. of Head
- Sizes Available: Standard 10" - 24"
- Customize per Customer Specifications
- Non environmentally degrading
- No toxic paints or coatings

OPTIONS:

- Custom Sizes
- Multiple Lift Options


PARTS & MATERIALS

Handwheel	CAST IRON ASTM A-126
Bolts & Nuts	STAINLESS STEEL ASTM A-276
Seal Retainer	STAINLESS STEEL ASTM A-276
J-Bulb	NEOPRENE RUBBER ASTM D-2000
Lift Nut	COMMERCIAL BRONZE
Collar	CAST IRON ASTM A-126
Stem	STAINLESS STEEL ASTM A-276
Frame	STAINLESS STEEL ASTM A-276
Disk	STAINLESS STEEL ASTM A-276
Stem Pocket	STAINLESS STEEL ASTM A-276

UHO-MV-SS

