



FC-SS SERIES STOP GATE, STOP LOG, & BULKHEADS PRODUCT INFORMATION
2016 Edition

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INTRODUCTION



WATER CONTROL GATES & VALVES

MECHANICAL ASSOCIATES OFFERS SUPERIOR QUALITY PRODUCTS AND SUPERIOR CUSTOMER SERVICE OVER ANY OTHER COMPETITOR

MECHANICAL ASSOCIATES

began manufacturing in 1993 as a subcontractor to one of the major USA water control gate manufacturers. Today Mechanical Associates has a continually expanding product line of water control products as well as mud & telescoping valves to meet all of our customers needs.

CUSTOMER CARE

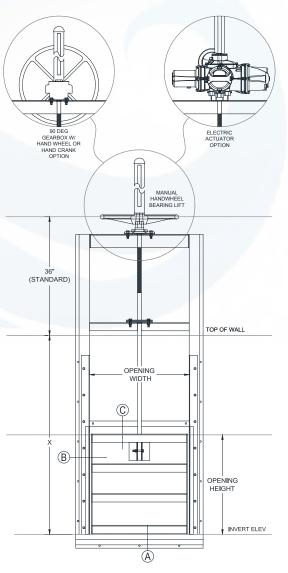
By listening to our customers over the past 22 years Mechanical Associates has developed and/ or improved a variety of the products used in the water control gate market today. Through innovation and careful colaboration with our customers, Mechanical Associates provides the best possible solution to meet our clients water control needs.

QUALITY

Mechanical Associates prides itself on providing high quality American made water control products. Mechanical Associates specializes in corrossion resistant materials including Stainless Steel and Marine Grade Aluminum.

INNOVATION

Mechanical Associates' experienced staff, with over 100 years of working in the water control industry, is continually working to improve all of its products and also working with our customers to create new products.





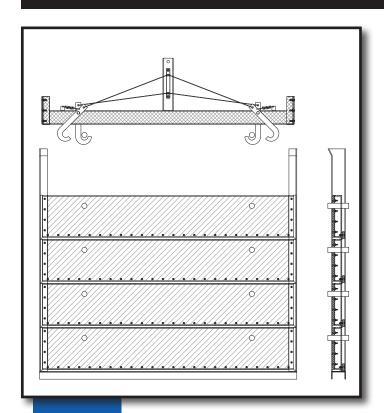






MUNICIPAL WATER CONTROL PRODUCTS

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

- Replaceble UHMW Self Adjusting Seals Top & Sides (Available with J-Bulb Seals)
- All Stainless Steel Construction
- On-Seating / Off-Seating Head Configuration
- Flush Bottom for Watertight Seal
- Reinforced Slide
- Multiple Handle/Lift Configuration
- 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 stadard 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...



CHANNEL

EMBEDDED OPTION

TECHNICAL SPECIFICATIONS

STAINLESS STEEL STOP GATE FC-SS-SG

STANDARD FEATURES:

- All Stainless Steel Construction
- UHMW Self Adjusting Seals
- Seating or Off Seating Head Configuration
- 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:

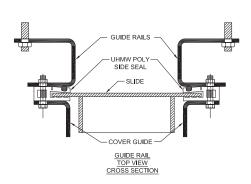
- Flush Mount
- Embedded
- In-Channel

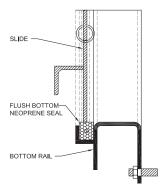
FRAME OPTIONS:

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

SEAL OPTIONS:

Neoprene Or EPDM J-Bulb Seals





TYPICAL BOTTOM RAIL

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 | | |







FRAME

SLIDE

COVER GUIDE

STIFFENER

SEAL



CHANNEL

LOG

COVER GU**I**DE

STIFFENER

SEAL

TECHNICAL SPECIFICATIONS

STAINLESS STEEL STOP LOG GATE FC-SS-SL

STANDARD FEATURES:

- All Stainless Steel Construction
- UHMW Self Adjusting Seals
- Seating or Off Seating Head Configuration
- 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:

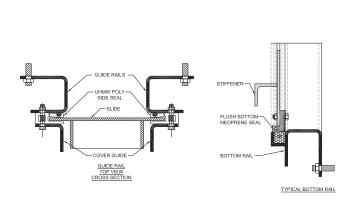
- Configuration 1 Light To Medium Duty
- Configuration 2 Heavy dut

SEAL OPTIONS:

• Neoprene Or EPDM J-Bulb Seals

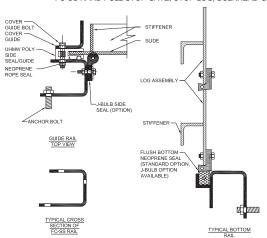
| PARTS & MATERIALS | | | |
|----------------------|--|--|--|
| Bolts & Nuts | Stainless Steel ASTM A-240 TY.304 or 316 | | |
| Frame Weldament | Stainless Steel ASTM A-240 TY.304 or 316 | | |
| Slide Weldament | Stainless Steel ASTM A-240 TY.304 or 316 | | |
| Flush Bottom Box | Stainless Steel ASTM 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



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STOP LOGS (5X)





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LIFTING

FRAME

LUGS

SLIDE —

TECHNICAL SPECIFICATIONS

STAINLESS STEEL BULKHEAD GATE FC-BH

STANDARD FEATURES:

- All Stainless Steel Construction
- UHMW Self Adjusting Seals
- Seating or Off Seating Head Configuration
- 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:

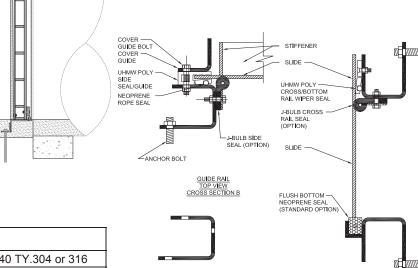
- Flush Mount
- Embedded
- In-Channel

FRAME OPTIONS:

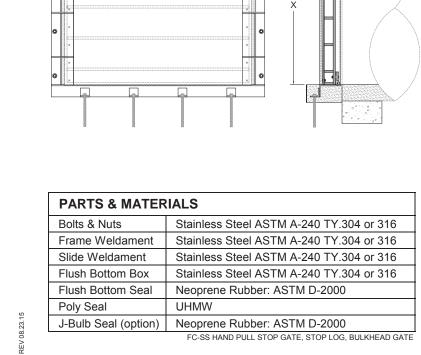
- Configuration 1 Light To Medium Duty
- Configuration 2 Heavy dut

SEAL OPTIONS:

Neoprene Or EPDM J-Bulb Seals



STANDARD FLANGE BACK
WALL MOUNTED



FC-SS SERIES STAINLESS STEEL SLIDE GATE SELECTION GUIDE

SEAL TYPE

- £ UHMW Polyethylene
- £ J-Bulb (Neoprene OR EPDM)
- £ Other

MATERIAL OPTIONS

- £ 304 S.S. TYPE:
- £ 316 S.S. TYPE:

MOUNTING OPTIONS

- £ In-Channel Mount (IC)
- £ Embed Mount (EMB)
- £ Flange Back (FB)
- £ Spigot Back (SP)
- £ Wall Thimble (Type_____

SELF CONTAINED FRAME

- £ Self-Contained Frame
- £ Stem Guides (On Frame)
- £ Torque Tube

NON-SELF CONTAINED FRAME

- £ Non-Self Contained Frame
- £ Stem Guides (Wall Mounted)
- £ TOW Bracket (Top of Wall)
- £ Pedestal
- £ Floor Box

STEM OPTIONS

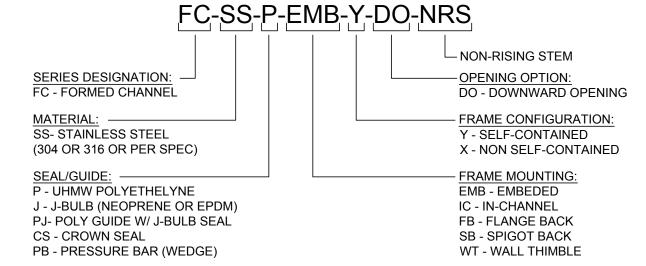
- £ Rising Stem
- £ Non-Rising Stem
- £ Stem Cover
- £ Position Indicator Strip

OPTIONS & ACCESSORIES

- £ Handwheel 14"
- £ Handwheel 24"
- £ Hand Crank
- £ Tee Handle
- £ Limit Nut

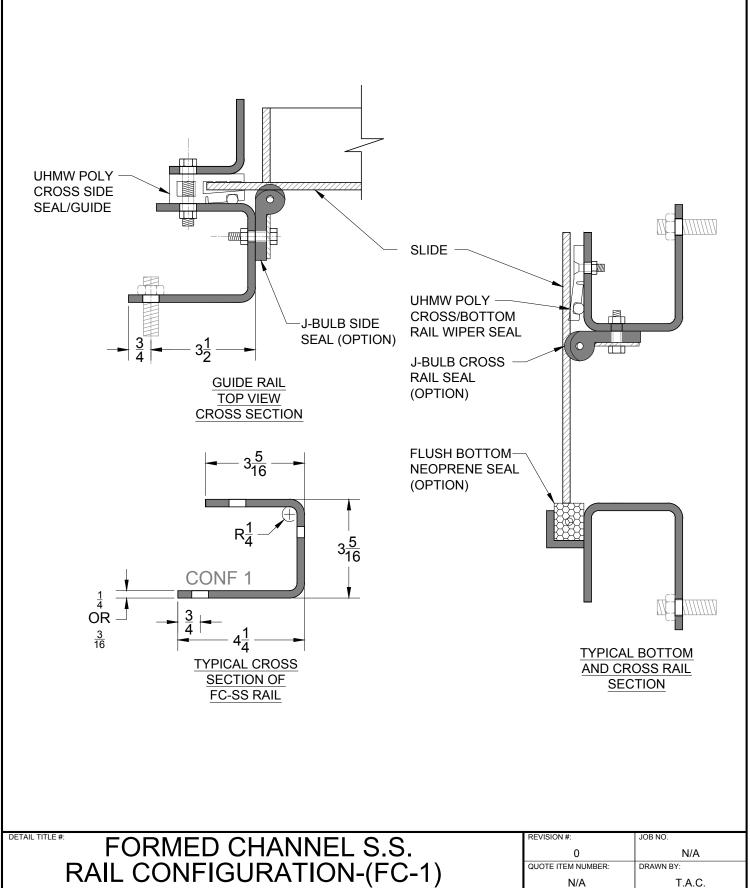
LIFT OPTIONS

- £ Standard (Non-Geared Lift)
- £ UHMWPE Bearing Lift (Non-Geared Lift)
- £ Needle Bearing Lift (Non-Geared Lift)
- £ Gear Actuator (Vertical)
- £ Gear Actuator (90°)
- £ Electric Actuator
- £ Air/Pneumatic Actuator
- £ Hydraulic Actuator
- € Tandem Lift
- £ Chain Drive
- E Handwheel Extension

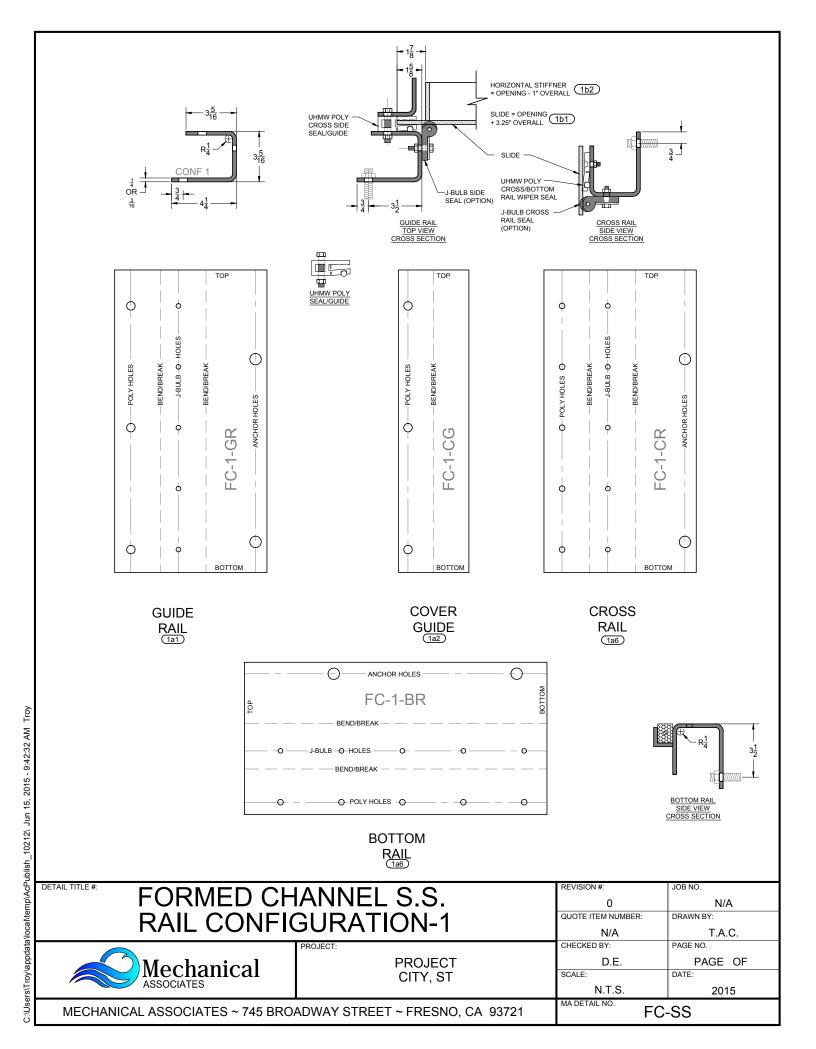


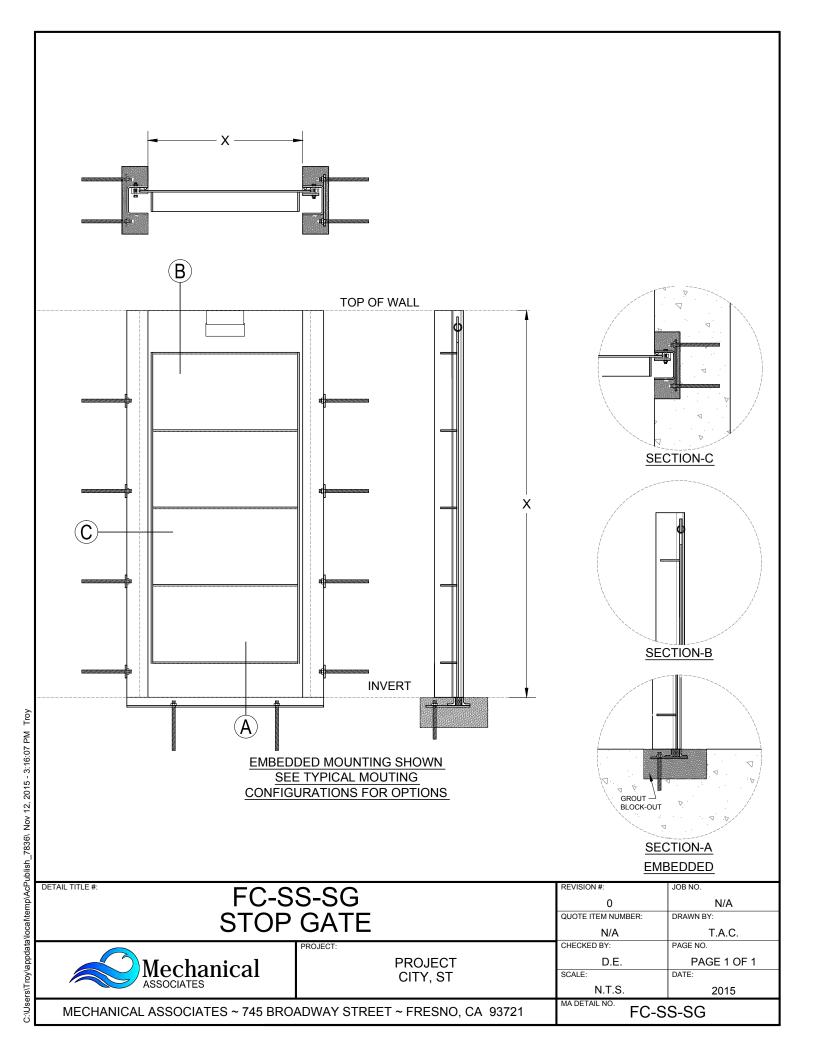
GATE SELECTION: FC-SS-

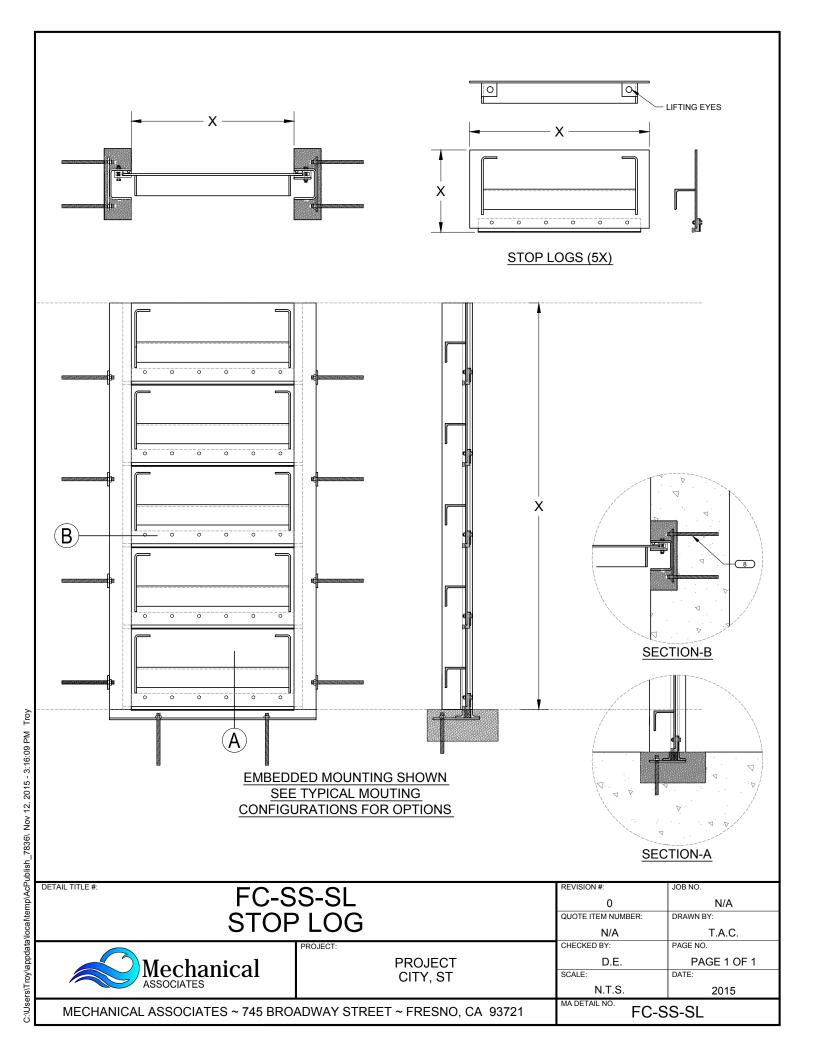
JOB NO. STAINLESS STEEL Λ N/A SLIDE GATE (FC-SS) QUOTE ITEM NUMBER: DRAWN BY: N/A T.A.C. CHECKED BY: PAGE NO. **PROJECT** D.E. PAGE OF Mechanical SCALE: DATE: CITY, ST N.T.S. 2015 MA DETAIL NO. MECHANICAL ASSOCIATES ~ 745 BROADWAY STREET ~ FRESNO, CA 93721 FC-SS

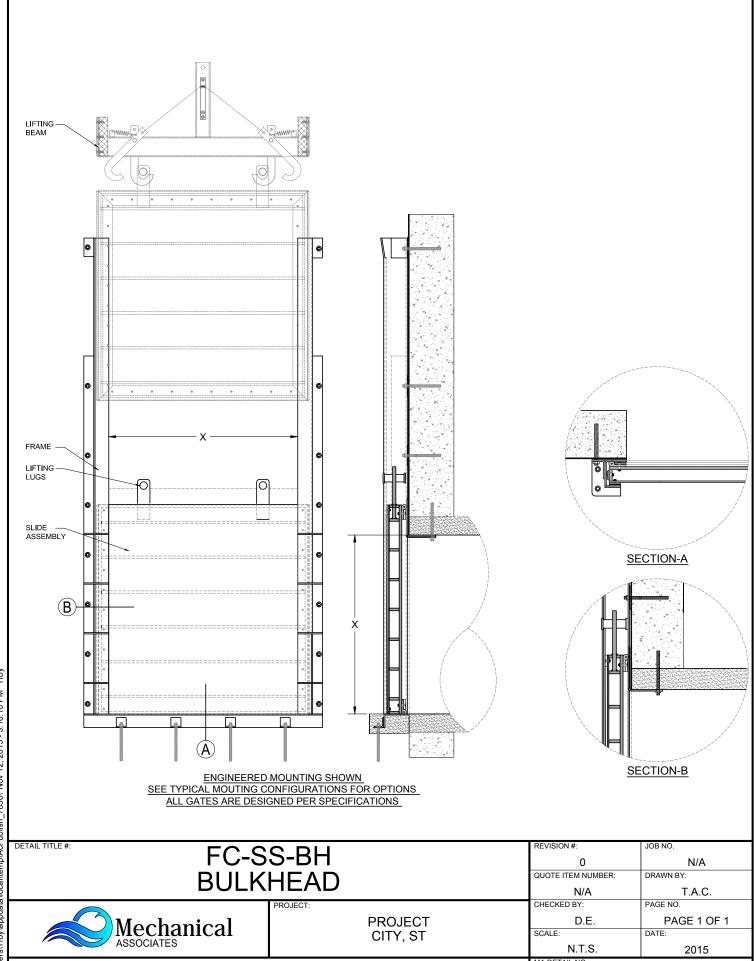










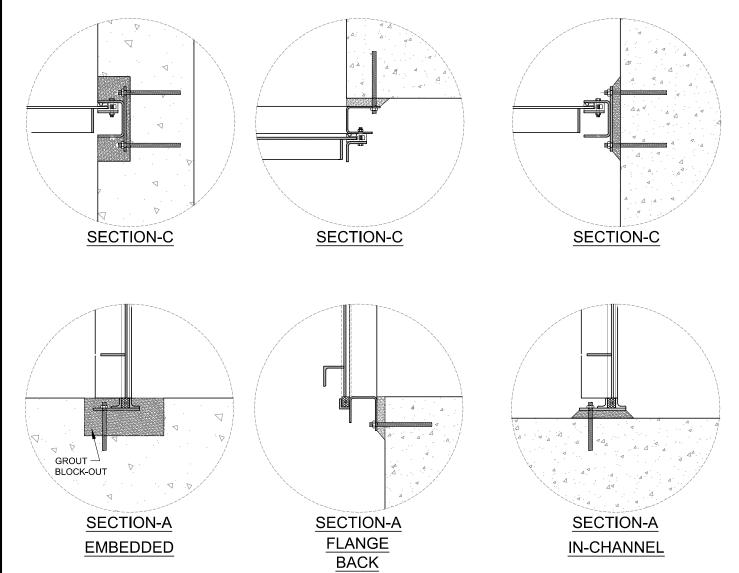


FC-SS-BH

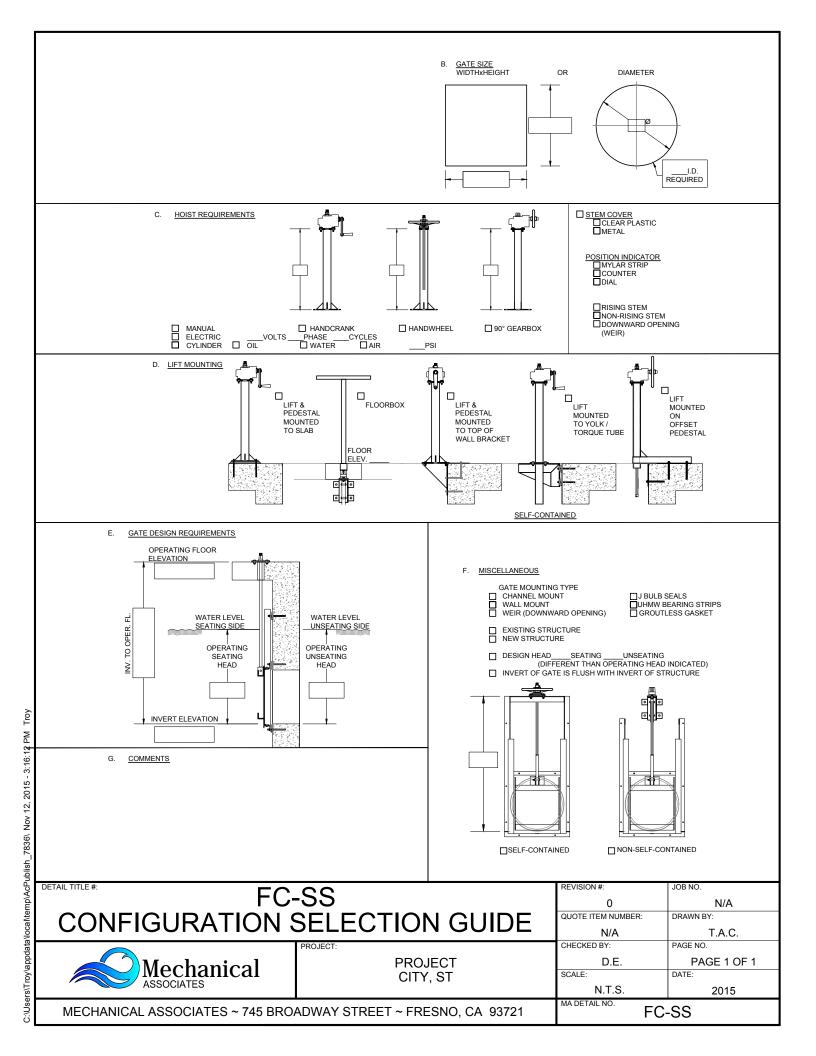
MECHANICAL ASSOCIATES ~ 745 BROADWAY STREET ~ FRESNO, CA 93721

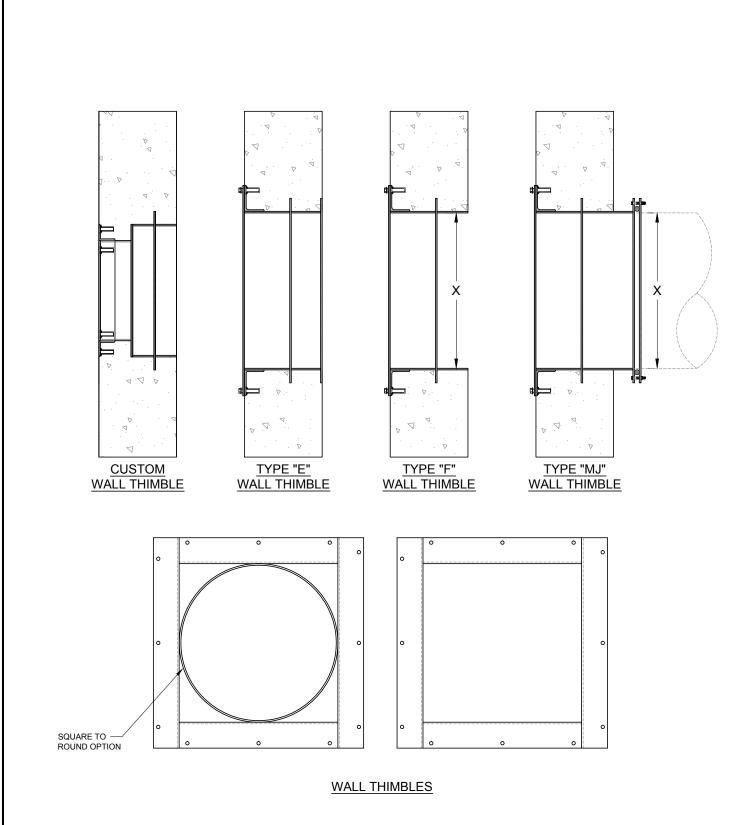
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OTHER MONTING OPTIONS INCLUDE: FLANGE TO FLANGE SPIGOT CURVED SURFACES



FC-SS TYPICAL 0 N/A MOUNTING CONFIGURATIONS QUOTE ITEM NUMBER: DRAWN BY: T.A.C. CHECKED BY: PAGE NO. PAGE 1 OF 1 **PROJECT** D.E. Mechanical CITY, ST SCALE: DATE: N.T.S. 2015 MA DETAIL NO. MECHANICAL ASSOCIATES ~ 745 BROADWAY STREET ~ FRESNO, CA 93721 FC-SS





| FC- | REVISION #: | JOB NO. N/A | |
|---------------------------------|---------------------------|-----------------------------------|----------------------------------|
| WALL TH | QUOTE ITEM NUMBER: N/A | DRAWN BY: T.A.C. | |
| Mechanical | PROJECT: PROJECT CITY, ST | CHECKED BY: D.E. SCALE: N.T.S. | PAGE NO. PAGE 1 OF 1 DATE: 2015 |
| MECHANICAL ASSOCIATES ~ 745 BRO | MA DETAIL NO. FC- | -SS | |

TYPICAL SPECIFICATIONS FOR FC-SS SERIES FABRICATED SLIDE GATE

| SECTION | |
|---------|--|
| | |

PART 1 - GENERAL



1.01 SCOPE OF WORK

A. The CONTRACTOR shall furnish all labor, materials, equipment, and incidentals required to install and ready for operation stainless steel slide gates as shown on the Contract Drawings and as specified herein.

1.02 SUBMITTALS

| A. Submittals shall be in accordance with Sections _ | and as specified herein. Submittals |
|--|-------------------------------------|
| shall include as a minimum: | |

- 1. Shop Drawings
- 2. Manufacturer's operation and maintenance manuals and information.
- 3. Manufacturer's equipment warranty.

1.03 QUALITY ASSURANCE

A. Qualifications

- 1. All of the equipment specified under this Section shall be furnished by a single manufacturer with a minimum of 20-years of experience designing and manufacturing slide gates. The manufacturer shall have manufactured stainless steel slide gates for the type described herein for a minimum of 100 projects.
- 2. The project design is based on the Mechanical Associates FC-SS Series Fabricated Slide Gate as manufactured by Mechanical Associates of Fresno, California. Proposed alternates must be pre-approved, per addendum, at least 14-days prior to close of bid. Requests for alternates must be supplemented with detailed drawings, specifications and references. Any/all additional costs for structure modifications or other changes associated with utilizing a brand other than Mechanical Associates are to be borne by the contractor.

PART 2 - EQUIPMENT

2.01 GENERAL

- A. The gates shall be either self-contained with yoke and bench stand operators, or non-self-contained with separate stem guides and operator, in accordance with the requirements of these specifications.
- B. This gate is in compliance with the latest version of AWWA C 561.
- C. Specific configurations shall be as noted on the gate schedule or as shown on the plans.

D. Materials:

| Components | <u>Materials</u> |
|---|--|
| Frame, Cover Slides, Yokes Stainless steel: | ASTM A 276 and/or ASTM A 240, AISI Type 304, 316, or 2205 Duplex, as specified |
| Stems | Stainless Steel: ASTM A 276, AISI Type 304, 316, or 2205 Duplex, as specified |
| Fasteners and Anchor Bolts Stainless Steel: | ASTM A 593 and 594, Type 304 CW, 316 CW, or UNS-S32205 Duplex 2205, as specified |
| Flushbottom Seals Rubber: | ASTM D 2000 BC 615/625 Grade BE 625 |
| Seat/Seals | Ultra High Molecular Weight Polyethylene (UHMW) |
| Finish | Mill finish on all stainless steel surfaces. |

2.02 FRAME AND GUIDES

A. The gate frame shall be composed of stainless steel guide rails with UHMW seat/seals upstream and downstream. The seat/seals shall form a tight seal between the frame and the slide (disc). The weir gate invert seal shall be a wiper type seal. Gate shall be designed where all seals are replaceable without removing the frame from the wall or wall thimble.

- 1. The UHMW seats will impinge on the slide (disc) by way of a continuous loop neoprene seal. Seal designs incorporating neoprene or other resilient side and top seals in direct contact with the slide are not acceptable.
- 2. The neoprene seal will perform the function of a seal between the frame and the UHMW as well as a spring force to maintain contact between the UHMW and the slide (disc).
- 3. This tight seal shall provide an allowable leakage rate of no more than .10 gallons per minute (GPM) per peripheral foot of perimeter opening for seating head and unseating heads.
- B. Stainless steel retainer bars, cross bars and head rails (for self-contained gates only) shall be provided.
 - 1. The clear opening shall be the same size as the waterway, unless otherwise specified.

2. The guides will be of sufficient length to support 2/3 of the height of the slide when in the full open position.

2.03 SLIDE COVER (DISC)

- A. The slide cover (disc) shall be stainless steel plate reinforced with structural shapes welded to the plate.
 - 1. The slide cover shall not deflect more than 1/720th of the span, or 1/16" at the sealing surface of the gate under maximum specified head.
 - 2. The stem connection shall be either the clevis type, with structural members welded to the slide and a bolt or bolts to act as a pivot pin, or a threaded and bolted (or keyed) thrust nut supported in a welded nut pocket.
 - 3. The clevis or pocket and yoke of the gate shall be capable of taking, without damage, at least twice the rated thrust output of the operator at 40 pounds of pull on a hand wheel or hand crank.

2.04 FLUSH BOTTOM CLOSURE

A. Gates shall be furnished with a flush seal arrangement. A resilient seal with a minimum width of exposed face of 1" shall be securely attached to the frame along the invert, and shall extend to the depth of the guide groove. Side seals shall be embedded into flush bottom seal to provide watertight seal around perimeter of gate.

2.05 ANCHOR BOLTS

- A. Anchor hardware shall be provided by the slide gate manufacturer.
 - 1. The size, quantity and location of the anchor hardware will be determined by the slide gate manufacturer.
 - 2. Anchor hardware consisting of studs, nuts and washers shall be provided by the manufacturer.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Installation of the slide gates shall be done in a workmanlike manner. It shall be the responsibility of the CONTRACTOR to handle, store, and install the equipment specified in this Section in strict accordance with the Manufacturer's recommendations.
- B. The CONTRACTOR shall review the installation drawings and installation instructions prior to installing the slide gates.
- C. The slide gate frames shall be installed in a true vertical plane, square and plumb, with no twist, convergence or divergence between the vertical legs of the guide frame.
- D. The CONTRACTOR shall fill any void between the guide frames and the structure with nonshrink grout as shown on the installation drawing and in accordance with the grout manufacturer's recommendations.

3.02 FIELD TESTING

A. After installation, all slide gates will be field tested in the presence of the ENGINEER and OWNER to ensure that all items of equipment are in full compliance with this Section. Each slide gate assembly shall be water tested by the CONTRACTOR at the discretion of the ENGINEER and OWNER, to confirm that leakage does not exceed the specified allowed leakage.

END OF SECTION NOTHING FOLLOWS





SS- Stainless Steel- 304, 316 **AL**- Aluminum- 6061T6 **P/S**- Per Specification

"Point-by-Point Comparison" (For the Engineer) FABRICATED STAINLESS STEEL SLIDE GATES

| | EQUAL | PROPOSED MANUFACTURER | LISTED MANUFACTURER | LISTED MANUFACTURER | LISTED MANUFACTURER | LISTED MANUFACTURER |
|--|-------|---|---|---|---|---|
| ITEM | Y/N | Mechanical Associates | Waterman Industries | Rodney Hunt (Fontaine) | Whipps | Golden Harvest |
| STEEL | Υ | S.S. 304 OR 316 | S.S. 304 OR 316 |
| FRAME RAIL | Y | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE |
| COVER GUIDE | Y | S.S. FLAT BAR OR FORMED PLATE | S.S. FLAT BAR OR FORMED PLATE | S.S. FLAT BAR OR FORMED PLATE | S.S. FLAT BAR OR FORMED PLATE | S.S. FLAT BAR OR FORMED PLATE |
| HEAD RAIL | Y | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE |
| BOTTOM RAIL | Y | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE |
| SLIDE | Υ | S.S. PLATE | S.S. PLATE | S.S. PLATE | S.S. PLATE | S.S. PLATE |
| HORIZONTAL SLIDE STIFFENER | Y | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE |
| VERTICAL STIFFENER | Υ | S.S. PLATE | S.S. FLAT BAR | S.S. FLAT BAR | S.S. FLAT BAR | S.S. FLAT BAR |
| HEAD RAIL GUSSETS | Y | S.S. PLATE | S.S. PLATE | S.S. PLATE | S.S. PLATE | S.S. PLATE |
| THIMBLE | Υ | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE | S.S. FORMED PLATE |
| HARDWARE | Υ | S.S. 304 OR 316 | S.S. 304 OR 316 |
| CROSS RAIL SEAL | Y | UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM | UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM |
| SIDE SEAL | Y | UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM | UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM |
| BOTTOM SEAL | Y | UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM | UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM | UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM | U UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM | UHMW PE EXTRUDED OR ASTM D 2000 NEOPRENE, EPDM |
| SEAL ROPE | Y | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM |
| FLUSH SEAL | Υ | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM |
| CROWN SEAL OR "PRESSURE BAR SEAL" | Y | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM | ASTM D 2000 NEOPRENE, EPDM |
| STEM | Y | S.S. 304 OR 316 | S.S. 304 OR 316 |
| STEM ATTACHMENT | Y | CLEVIS | CLEVIS | CLEVIS | CLEVIS | CLEVIS |
| ACTUATOR | Y | P/S | P/S | P/S | P/S | P/S |
| WARRANTY | Υ | P/S | P/S | P/S | P/S | P/S |



Mechanical Associates: Past Projects and References

Note: Gate sizes and application usage (Depending on head pressures, gates sizes can vary in the three categories)

Light Duty: 4"-30" Circular Opening Gate Sizes Medium Duty: 31"-60" Circular Opening Gate Sizes Heavy Duty: 61" and Up Circular Opening Gate Sizes **Light Duty:** 3"x 3" -30"x30" Square Opening Gate Sizes **Medium Duty:** 31"x31" -60"x60" Square Opening Gate Sizes **Heavy Duty:** 61"x61" and Up Square Opening Gate Sizes

Seals:

UHMW-PE: Ultra High Molecular Weighted Polyethylene (P)

J-Bulb: D 2000 Neoprene (J)

Flush Bottom Seal: D 2000 Neoprene (FBS)

| (Project Specifics available u | pon request) | |
|--------------------------------|--------------|--|
| | | |

| | | ne apon requesty | | | |
|---|------------------|-------------------------------------|----------------|---|--------------------------------|
| 1 | Project: | Emerald Trunk Sewer Relief | Location: | Modesto, CA 9535 | 53 |
| | Product Type: | Bulkhead Gates | Contractor: | McGuire & Hester | (510)- 632-7676 |
| | Seal Type: | P, FBS | Engineer: | Carollo /North Star Engineering Group | (209)- 524-3525 |
| | Equipment: | (5) Heavy Duty | Owner: | City of Modesto | |
| 2 | Project: | Morongo Band of Mission Idians WWTP | Location: | Cabazon, CA | |
| | Product Type: | Stop Gates | Contractor: | | |
| | Seal Type: | Р | Customer | Morongo Bands of Mission Indians | |
| | Equipment: | (7) Light Duty | Reprasentative | Girlich Mitchell | Tim Brekke 714-236-6070 |
| 3 | Project: | Shackleford Sewer Crossing | Location: | Modesto, CA 9535 | 53 |
| j | Product Type: | Bulkhead Gates | Contractor: | 0 | Jeff Graham 209-848-0160 |
| | Seal Type: | P, J | Engineer: | O'Dell Engineering | |
| | Equipment: | (6) Heavy Duty | Owner: | City of Modesto | |
| 4 | Project: | Perrysburg WWTP | Location: | Perryburg, OH | |
| | Product Type: | Stop Gates | Contractor: | Perterson Construction | |
| | Seal Type: | Р | Owner | City of Perrysburg | |
| | Equipment: | (47) Light and Medium duty | Representative | W.P Kolens | Bill Kolens 330-968-8024 |
| 5 | Project: | Oakhurst MD22A WWTP | Location: | Oakhurst, CA | |
| | Product Type: | Stop Gates | Contractor: | | Lawrence Clark 209-392-6144 |
| | Seal Type: | Р | Engineer: | | |
| | Equipment: | (8) Light and Medium | Owner: | Madera County, CA | |



| | | | | Time and accordance |
|----|------------------|---------------------------------------|----------------|--|
| 6 | Project: | Myrtle Point WWTP Improvements | Location: | Myrtle Point, OR |
| | Product Type: | Stop Gates, Stop Logs | Contractor: | R & G Excavating, Inc. |
| | Seal Type: | Р | Representative | Pedroni & Co. Victor Pedroni 425-369-6164 |
| | Equipment: | (4) Medium, (2) Stop Log | Owner: | City of Myrtle Point |
| 7 | Project: | City of Ione Wastewater Compliance | Location: | Ione, CA |
| | Product Type: | Stop Logs | Contractor: | Mozingo Jeff Graham Construction 209-848-0160 |
| | Seal Type: | P | Engineer: | |
| | Equipment: | (4) Medium Stop Logs | Owner: | City of Ione |
| 8 | Project: | Fresno- Clovis Regional WWTP | Location: | Fresno, CA 93721 |
| | Product Type: | Stop Gates, Slide Gates, Sluice gates | Contractor: | W M Lyles Aiden Besinger |
| | Seal Type: | Р | Engineer: | |
| | Equipment: | (5) Medium Duty | Owner: | City of Fresno |
| 9 | Project: | | Location: | Decatur, AL |
| | Product Type: | Stop Gates | Contractor: | Taylor Corporation |
| | Seal Type: | Р | Engineer: | |
| | Equipment: | (4) Light Duty | Representative | Ferguson Doug Pugh 205-361-4289 |
| 10 | Project: | Decatur WWTP | Location: | Decatur, AL |
| | Product Type: | Stop Gates | Contractor: | |
| | Seal Type: | Р | Engineer: | |
| | Equipment: | Medium Duty | Representative | Ferguson Doug Pugh 205-361-4289 |
| 11 | Project: | Montpelier WWTP | Location: | |
| | Product Type: | Stop Gates | Contractor: | R.G Zachrich Construction |
| | Seal Type: | Р | Engineer: | Jones & Henry Engineers, LTD 419-473-9611 |
| | Equipment: | Light and Medium Duty | Representative | W.P Kolens Bill Kolens 330-968-8024 |
| 12 | Project: | Southern Pine Plantation | Location: | Macon, GA 31210 |
| | Product Type: | Stop Gates | Customer | Karl Wagner 478-361-8220 |
| | Seal Type: | Strut Gasket | Engineer: | |
| | Equipment: | (4) Medium Duty | Owner: | |



13 Project: Athens OH WWTP Location: Athens, OH Product C.I Stop Gates Contractor: Type: Thornburg Seal Type: Strut gasket Engineer: Bill Kolens **Equipment:** Light Duty Representative W.P Kolens 330-968-8024 Plymouth WWTP 14 Project: Location: Product Ray Collins Ford Stop Gate Contractor: Type: Construction 209-333-1116 Seal Type: Engineer: Equipment: Owner: Light Duty Mendota WWTP 15 Project: Location: Mendota, CA Product Raminah Stop Gates Contractor: Type: Construction Engineer: Seal Type: Mike Ambrosi Aquadyne **Equipment:** Medium Duty Representative **Associates** 415-460-6393 16 Tulare WWTP Project: Location: Tulare, CA Product **GSE** Stop Gate Contractor: Type: Construction Ρ Seal Type: Engineer: Gierlich Ryan McClosky Equipment: Representative Medium Duty 714-236-6070 Mitchell 17 Project: Yreka WWTP Location: Yreka, CA Product Stop Gates Contractor: Type: Pace Seal Type: Engineer: Engineering Aquadyne Mike Ambrosi **Equipment:** Representative Medium Duty Associates 415-460-6393 18 Project: Lake Alta Primary Outlet Location: Product Mike Hogan **Bulkhead Gates** Contractor: Groeniger & Co Type: 916-652-9884 Seal Type: Engineer: Owner: **Equipment: Heavy Duty**

