

TELESCOPING VALVES    MUD VALVES    FLAP VALVES    SHEAR GATES

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**SECTION \_\_\_\_\_**

**SLUICE GATES**

**1.0 GENERAL CONDITIONS**

**1.1 SCOPE OF WORK**

- A. The contractor shall furnish all labor, materials, equipment and incidentals required for installation of sluice gates.

**1.2 QUALITY ASSURANCE**

- A. The manufacturer shall have 10 years' experience manufacturing sluice gates and shall show evidence of satisfactory operation in at least 5 installations. The company shall be ISO 9001 certified.

**1.3 SUBMITTALS**

- A. The manufacturer shall submit drawings showing critical dimensions, general construction, and materials used in the valve and lift mechanism.

**2.0 PRODUCT**

**2.1 GENERAL DESIGN**

**A. BODY**

- a. The valve body may be cast ductile iron or cast stainless steel.
- b. All iron parts of the valve shall be coated in an NSF-61 2-part epoxy
- c. Valve body must be self-contained and shall mount by means of a 125lb ANSI flange.

**B. GATE AND LIFT MECHANISM**

- a. For sizes 4"-8", valve gate shall have a resilient seat.
- b. For sizes 12", valve gate shall seal over an O-ring
- c. Seating and unseating pressure shall be rated at 50 psi.
- d. Leakage shall be less than .1 gallons-per-minute per foot of seated perimeter, regardless of the direction of head.
- e. Valve stem shall be stainless steel, and valve nut shall be bronze. Valve shall be operated by a 2" cast nut.
- f. Where required, the manufacturer shall provide valve operating stems, floor stands, and stem guides as specified in the valve schedule or plans.
- g. The manufacturer shall show proof of ISO 9001 certification.
- h. Valve and accessories shall be manufactured by Troy Valve Model A3500 or approved equal.