

TELESCOPING VALVES MUD VALVES FLAP VALVES SHEAR GATES

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 experience 10 years manufacturing sluice gates and shall show evidence of satisfactory operation in at least 5 installations.

1.3. SUBMITTALS

- A. The manufacturer shall submit drawings requiring 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 10"-16", valve gate shall seal over an o-ring
- c. Seating and Unseating pressure shall be rated at 50PSI
- 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. Valve and accessories shall be manufactured by Troy Valve Model A35000 or approved equal.