

TELESCOPING VALVES MUD VALVES FLAP VALVES SHEAR GATES

SECTION _____

WEIGHTED FLAP VALVES

1.0 GENERAL CONDITIONS

1.1 SCOPE OF WORK

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

1.2 QUALITY ASSURANCE

- A. The manufacturer shall have 10 years' experience manufacturing flap valves 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.

2.0 PRODUCT

2.1 GENERAL DESIGN FOR WEIGHTED FLAP VALVE MODEL A2540

- A. The flap valve shall have a cast iron body and cover.
- B. The seat and disc ring shall be bronze, and the hinge pin and cotter pins shall be stainless steel.
- C. The valve shall be constructed with a 10-degree offset from vertical to ensure positive closure
- D. The weighted flap valve shall have a weight attached to the lid and allow for minor sensitivity adjustment.

- E. The valve lid shall have a mechanical stop to ensure the lid cannot over rotate.
- F. The flange shall be drilled using an ANSI 125# template.
- G. All iron parts shall be coated in TNEMEC 2-part epoxy with 3-4 mils dry film thickness to prevent rusting or corrosion.
- H. The valve shall be machined, assembled, and tested in the USA for quality assurance.
- I. The manufacturer shall show proof of ISO 9001 certification.
- J. Valve and accessories shall be manufactured by Troy Valve, Model A2540 or approved equal.