

- B. Bar screen manufacturer shall provide ultrasonic probes for differential level measurement with a separate transmitter for continuously monitoring of the upstream and downstream levels for control of screen operation. The transducers shall be rated for hazardous locations and shall be intrinsically safe without the use of additional barriers, complete with built-in temperature compensation and submerged shield. The transmitter shall be mounted in the control panel. Contractor shall install the transducers and provide wiring to the control panel.
- C. Each screen shall be furnished with a lockable corrosion-resistant painted steel enclosure.

### ***Spare Parts***

- A. Spare Parts shall be included and supplied together with the equipment in accordance to manufacturer recommendations.

### ***Installation and Testing***

- A. Contractor shall verify all dimensions in the field to ensure compliance of equipment dimensions with the drawings. Contractor shall notify Engineer of significant deviations.
- B. Installation of the equipment shall be in strict accordance with the contract documents and the manufacturer's instructions and shop drawings. Manufacturer shall supply anchor bolts for the equipment. Contractors shall install the anchor bolts in accordance with the manufacturer's recommendations
- C. Supplier shall furnish the services of a factory-trained Service Engineer for one (1) trip including a total of eight (3) days to inspect the installation, observe start up, and provide operator training.
- D. Equipment shall not be energized, or "bumped" to check the electrical connection for motor rotation without the Service Engineer present.
- E. The Service Engineer shall make all necessary adjustments and settings to the controls.
- F. The Service Engineer shall demonstrate proper and sequential operation of the screen. The screen shall operate automatically based on the water level differential.