

**NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE SPECIFICATION
STRUCTURE FOR WATER CONTROL- GATES
CODE 587G**

1. MATERIALS

gate will be counted.

All gates shall be furnished complete with hoisting equipment and other specified appurtenances to provide for an operative unit which will function easily throughout the range of its capacity.

2. INSTALLATION GATES

The contractor shall install the gates in a manner that will prevent leakage around the seats and binding of the gates during operation.

Surfaces of metal against which concrete will be placed shall be unpainted and free from oil, grease, loose mill scale, surface rust, and other debris or objectionable coatings.

Anchor bolts, thimbles, and spigot frames shall be secured in true position in the forms and held in alignment during the placement of concrete.

When a flat frame is installed against concrete, a layer of bedding mortar shall be placed between the frame and the concrete.

For radial gates, wall plates, sills, and pin brackets shall be adjusted and fastened by grouting and bolting after the gates have been completely assembled in place.

3. OPERATIONAL TESTS

After the gates and hoist (or lift) have been installed, they shall be cleaned, lubricated, and otherwise serviced by the contractor in accordance with the manufacturer's instructions. The contractor shall test the gate and hoist by operating the system several times throughout its full range of operation. He shall make any changes and adjustments as are necessary to insure satisfactory operation of the gate system.

4. MEASUREMENTS

The number of each type, size, and class of

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