



## SECTION 722

### METAL BIN-TYPE RETAINING WALLS

**722.1 Description.** This work shall consist of constructing closed face metal bin-type retaining walls as specified in the contract in conformity with the dimensions, lines and grades shown on the plans, or established by the engineer.

**722.2 Material.**

**722.2.1** All material shall conform to Division 1000, Materials Details.

Item	Section
Sheet Metal	1020

The thickness of the metal will be specified in the contract.

**722.3 Construction Requirements.**

**722.3.1** Excavating of the lower 18 inches (450 mm) of foundation material shall be made carefully in the form of trenches just wide enough to allow the bottom members of the wall to be placed. Foundation beds for the base plates of the columns shall be accurately placed on firm material, shaped to line, grade and slope.

**722.3.2** The units shall be installed as shown on the plans. Proper care shall be taken during handling and installing to avoid damage to the members or spelter coatings. Damaged members may, unless repaired to the satisfaction of the engineer, be rejected at the site. Damage to spelter shall be repaired in accordance with [Sec 712.14](#).

**722.3.3** Backfill material and backfilling procedures inside and outside the bins shall comply with the applicable portions of [Sec 721.3.4](#). The bins may be filled and the wall backfilled as the wall is erected, provided caution is used to hold the columns in correct position while these operations are in progress.

**722.4 Method of Measurement.**

**722.4.1** Measurement of metal bin-type retaining walls will be made to the nearest square foot (0.1 m<sup>2</sup>) of the front face of the wall for each width of bin. Final measurement will not be made except for authorized changes during construction, or where appreciable errors are found in the contract quantity. The revision or correction will be computed and added to or deducted from the contract quantity.

**722.4.2** Excavation for constructing metal bin-type retaining walls will be measured and paid for in accordance with [Sec 206](#).

**722.5 Basis of Payment.** The accepted quantities of metal bin-type retaining walls, complete in place, will be paid for at the unit price for each of the pay items included in the contract. No direct payment will be made for furnishing or placing fill or backfill material.