

# Trinity Wall Product Specification

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**Trinity Wall** - This work shall consist of Hilfiker Trinity Walls (welded wire mesh bins) and filling the assembled bins with rock in accordance with the details shown on project plans and special provisions.

Wire for the manufacture and assembly of Trinity Wall shall *meet or exceed* any combination of the following requirements:

<u>Description</u>	<u>Requirement</u>
1. 6"x9" or 6"x12" Welded Wire Fabric - Commercial Galvanized (wire sizes shall consist of W4.5xW3.5, W7.0xW3.5, or W9.5xW4.0 )	ASTM A185, A-82
2. 3"x3" (7.62 cm x 7.62 cm), 9 Ga. - 0.144 in. min. (3.66 mm) Welded Wire Fabric	ASTM A185, A370 <i>Exception: Weld Shear at 800 lbs. min.</i>
3. 9 ga. Galvanized Spiral Binder (min. 0.144 in. [3.66 mm])	ASTM A641, A90

**MATERIALS**--The Trinity Wall shall be of a single unit construction. The Bottom Mat, Sides, Dividers, Back Face, Front Face, all shall be connected and spiraled into rectangular bins of the specified sizes.

**ROCK**--Rock for filling the bin shall be as listed:

- 100% passing 18 inches (30.5 cm), 0-5% passing 3 inches (10.2 cm)

**CONSTRUCTION**--The Trinity Wall bin shall first be assembled individually as empty units. Each bin shall be manufactured with the necessary panels.

When 9-gauge spiral binders are used, the spiral shall be screwed into position such that it passes through each mesh opening along the joint.

Temporary fasteners may be used to hold panels wherever bin joints are constructed. Temporary fasteners may remain in place.

**MEASUREMENT**--Quantities of the Trinity Wall to be paid for will be measured by the square foot and will be determined from the dimensions shown on the plans for the dimensions directed by the Engineer.

**PAYMENT**--The contract price paid per square foot for The Trinity Wall shall include full compensation for furnishing all labor, materials (including excavation and backfill), as shown on the plans, these special provisions, and as directed by the Engineer.

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• End of Section •

## Hilfiker Retaining Walls

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