

## ITEM 615.0801 02 M - DECORATIVE WOODEN BENCH

### DESCRIPTION

This work shall consist of furnishing and installing Decorative Wooden Bench as shown in the contract documents and as directed by the Engineer.

### MATERIALS

Bench: 1.5 m in length

*Bench provided shall be constructed of Teakwood*

9.375 mm Black or Brown powder coated L-shaped anchor brackets with 6.25 mm pre-drilled holes (4) per bench.

9.375 mm Zinc plated Drop-in Concrete Anchors (4) per bench.

6.25 mm Galvanized Carriage Bolts (4) per bench.

### CONSTRUCTION DETAILS

Affix L-shaped anchor brackets to the bottom inside face of each of the 4 bench legs. Set bench on the concrete surface as shown in plans. Mark the 4 holes in the L-brackets to accept the Drop-in Anchors. Remove the bench and drill holes into concrete surface to install the Drop-in Anchors.

Drop-in Anchor Installation: Drill 6.25mm hole into pre-marked holes on the concrete surface with a carbide tipped masonry drill bit conforming to ANSI B94, 12-77, matching the bit size with the outside diameter of the drop-in anchor being used. Make sure hole depth exceeds minimum embedment.

Clean out concrete dust from hole using a wire brush or compressed air. Drive anchor into hole flush with the surface of the concrete. Using the proper setting tool for the anchor (see manufacturers specification), expand anchor by inserting the setting tool into the anchor and set with several solid hammer blows. **Set anchor below surface:** Drill hole deeper than anchor length. Thread bolt into anchor. Hammer anchor into hole until bolt head is flush with the concrete surface. Remove bolt and set anchor with setting tool.

Relocate the Teak bench to align with the Drop-in Anchors and bolt in through the L-brackets with 6.25 mm galvanized carriage bolts.

### METHOD OF MEASUREMENT

This work will be measured as the number of Decorative Wooden Benches satisfactorily furnished and installed.

### BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.