

ITEM 560.0450--11 M - MECHANICAL MASONRY ANCHORS

DESCRIPTION

This work shall consist of completely furnishing and installing mechanical masonry anchors on existing retaining walls in accordance with the contract documents and as directed by the Engineer.

MATERIALS

All anchors shall be helicoidally shaped, ASTM 304 austenitic stainless steel or ASTM 316 austenitic stainless steel, as indicated on the design drawings and as noted herein.

CONSTRUCTION DETAILS

Unless otherwise required by the structural anchorage system design, anchors shall be spaced 300mm maximum on center vertically and 600 mm maximum on center horizontally. Anchors shall extend a minimum of 50mm into the reinforced concrete wall.

Pull-out tests for mechanical masonry anchors shall be conducted by a contractor, independently from the anchors installer, using equipment recommended by the anchors manufacture. A minimum load of 2.3 KN for each element of the anchorage shall be met. To meet the minimum load requirement, there shall be at least one pull-out test per wall panel.

METHOD OF MEASUREMENT

This work will be measured as the number of Mechanical Masonry Anchors 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.