

ITEM 11551.0463mm M - INSTALLING LAGGING FOR SOLDIER PILE AND LAGGING WALL

DESCRIPTION

Furnish, install and maintain lagging as indicated on the plans.

MATERIALS

Provide the lagging type(s) shown on the plans:

Treated wood graded for an extreme fiber stress of at least 6.9 MPa conforming to the provisions of subsection 712-14 Stress Graded Timber and Lumber with the full dimension thickness shown on the plans.

Provide preservative treatment conforming to the American Wood Preserves Institute (AWPA) Standard C-2, Soil Contact.

Untreated wood graded for an extreme fiber stress of at least 6.9 MPa conforming to the provisions of subsection 712-14 Stress Graded Timber and Lumber with the full dimension thickness shown on the plans.

Precast concrete panels conforming to the provisions of subsection 704-06 Precast Concrete Cribbing.

Steel sheeting with a minimum section modulus conforming to the provisions of subsection 552-2 Materials.

CONSTRUCTION DETAILS

Install horizontal lagging in a manner approved by the Engineer so that the unsupported soil height is a maximum of one (1) meter at all times. If the method chosen for attaching the lagging to the soldier piles requires reattachment of lagging to the soldier piles due to planned excavation on both sides of the wall, reattach the lagging at no additional cost to the State.

Fabricate the precast concrete lagging to the shape and size shown on the plans.

Precast panels manufactured in strict conformance with the plans do not require shop drawings. When shop drawings are not required, notify the Engineer, in writing, of the Fabricator's intention to manufacture the panels in accordance with the plans. The Director of the Materials Bureau will be notified by the Engineer of the Contractor's/Fabricator's intention and will institute appropriate approval notifications and inspection assignments.

If the precast panels are not fabricated in strict conformance with the plans, submit shop drawings to the Engineer for written approval a minimum of 30 working days before beginning fabrication. Shop drawings must conform to the requirements of subsection 718-01 Prestressed Concrete Units (Structural).

Panels manufactured without prior written approval from the Materials Bureau and without inspection in accordance with the procedural directives of the Materials Bureau will not be accepted.

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METHOD OF MEASUREMENT

The number of square meters of wall satisfactorily installed between the payment lines shown on the plans or as revised, in writing, by the Engineer.

BASIS OF PAYMENT

Include in the unit price bid the cost of furnishing all labor, materials and equipment necessary to complete the work, including lagging removal, where required. No additional payment will be made when a wall is excavated on both sides. No additional payment will be made if wood lagging is placed behind concrete.

DISAPPROVED BY EI 10-088