

ITEM 01555.7201 M - ARCHITECTURAL TREATMENT OF CONCRETE SURFACES

DESCRIPTION:

This work shall consist of building specific or using augmented standard forms to produce architectural patterns within or on concrete surfaces in conformance with the patterns specified and at the locations indicated on the plans.

MATERIALS:

Any standard plywood or steel concrete forms meeting the requirements of this subsection will be acceptable. The augmented or custom constructed forms shall consist of material that will:

1. Produce the pattern required by the plans.
2. Be composed of a material(s) that will not bond to concrete.
3. Be attachable to standard plywood, or steel, concrete forms, such that no distortion, or stray markings, occur within the concrete surfaces.
4. Result in a smooth unblemished finished surface.

Form material will be acceptable at the work site upon written certification that the requirements of this subsection have been met.

CONSTRUCTION DETAILS:

The requirements of subsection 555-3.03 shall apply.

All forms attached to standard forms or any custom forms used to produce the architectural patterns shall be such that no distortion, or stray markings, occur within concrete surfaces exposed to view.

Prior to concrete placement, special care shall be taken after installation to ensure that all form surfaces are thoroughly clean of all stray material of any nature. No concrete shall be placed prior to the Engineer's inspection and approval of form surfaces.

After form work removal, the Engineer will inspect architecturally patterned concrete surfaces. All such surfaces which do not exhibit the required architectural pattern shall be repaired in a manner satisfactory to the Engineer at no cost to the State. The repair shall match the concrete surface. Concrete repair material, if used, shall meet the requirements of Subsection 701-04. Repair work shall be at the Contractor's expense.

METHOD OF MEASUREMENT:

The work will be measured as the number of square meters of architecturally patterned concrete produced. Measurement will be taken as the horizontal or vertical plane projection of the architecturally patterned concrete. No measurement will be taken of actual concrete surfaces. Structural Concrete will be paid under a separate item.

BASIS OF PAYMENT:

The unit price bid per square meter shall include the cost of all labor, material, and equipment necessary to complete the work.