

DIVISION 3 - CONCRETE

Section 03330 - Architectural Concrete

Introduction

In general, all of the items included in Section 03310 - Structural Concrete, will apply. This section shall be included when concrete will be exposed and special finishes may require non-standard formwork, special design mixes (for color or texture) and services of a specialized consultant to assist the Contractor in providing the required design results.

All of the above items should be considered if special finishes are desired. Attempts to get them without the benefit of special attention and/or an expert in this field will result in poor quality, compromised design and possibly additional charges on the part of the Contractor in connection with efforts to provide what was not specified or detailed.

Drawings must be very specific concerning the detailing for Architectural Concrete. The special features should be noted in the specifications and on the drawings. Descriptions such as "glass like", "polished", "light sandblast" finishes are considered as being ambiguous unless adequately specified in this Section.

Part 1 - General

- Typical examples of work in this section include exposed aggregate surfaces (whether water washed or sand blasted), bush hammered, textured, colored, and specialized forming.
- Requirements for structural concrete work are not to be used for Architectural Concrete. Reference ACI Standards.
- Submittals shall be required as appropriate for color additives, aggregate, formwork details, special form ties, curing agents, retarders, form release agents and the like. These items will all effect the final appearance of the concrete.
- Mock-ups shall be required for approval before work is incorporated in the building. Size and configuration of the mock-up is important to fully evaluate all anticipated construction details. Mock-up shall not be incorporated into the final work.

Part 2 - Products

- Generally, architectural finish on concrete is associated with watertight formwork.

Part 3 - Execution

- Anticipate the fact that sandblasting is a very disruptive and messy activity that is not easily accomplished in many areas of campus. Compliance with Pima County air pollution standards will also be a requirement of the specification.

End of Section 03330