

SECTION 030000-CONCRETE

PART 1 - GENERAL

1.1 RELATED SECTIONS:

Refer to Section 321000 for the requirements relating to various paved or surfaced areas, such as sidewalks, streets, service drives, parking lots, and parking garages.

Refer to Section 070000 for the requirements relating to thermal and moisture protection; including waterproofing, damp-proofing, water repellants, vapor retarders, air barriers, insulation, exterior insulation and finish systems, fireproofing, fire-stopping, and roofing.

1.2 SCOPE OF SECTION:

This section contains the requirements relating to cast-in-place and precast concrete, including formwork, reinforcement, curing, cementitious decks and toppings, grout, and restoration and cleaning.

1.3 GENERAL:

A. All concrete construction shall conform to American Concrete Institute.

B. EXTERIOR FINISHES:

1. Exposed Concrete: The use of exposed concrete frames and exposed concrete as a finish material is discouraged.
2. Exposed Concrete at Stairs: Exposed concrete at stairs should have chamfered edges.
3. Cast Stone: The use of cast stone pieces, intended as decorative pieces to match, accentuate, or blend with the architectural style of the historical buildings on Campus, is encouraged.
4. Preferred Exterior Finishes: Refer to the University's Living History Committee Guidelines via Project Manager.

C. Waste materials shall be disposed of by contractor off-site at contractor's expense. Excess concrete shall not be disposed of on-site.

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1.4 CONCRETE POURS:

During construction, contractor shall notify Designer prior to any pour so that a Designer representative and Owner's representative can review the standard of construction prior to and during placement of concrete.

1.5 CONCRETE FORMWORK:

1.6 CONCRETE REINFORCEMENT:

1.7 CONCRETE ACCESSORIES:

FASTENERS:

All fastening devices, in concrete or other substrates, shall be approved by the Architect/Engineer as a part of normal submittals, prior to their use. University prefers all exposed fasteners be stainless steel.

1.8 CAST-IN-PLACE CONCRETE:

1.9 CONCRETE CURING:

1.10 PRECAST CONCRETE:

1.11 CEMENTITIOUS DECKS AND TOPPING:

1.12 GROUT:

1.13 CONCRETE RESTORATION AND CLEANING:

A. Designer shall specify most appropriate cleaning method and consult with owner to assure that landscaping and adjacent surfaces shall be protected during restoration and cleaning. Landscaping or adjacent surfaces damaged during this process shall be restored to original condition at Contractor's expense.

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- B. Deteriorated mortar joints or caulking shall be brought to the attention of the Designer and Project Manager in the form of a written proposal for corrective action.

END OF SECTION