

DIVISION 03 00 00—CONCRETE

FORMAT

1. Technical specifications content and numbering system shall be based on the most current CSI Master Format.

BASIS OF DESIGN

1. APSU design standards shall not replace fully developed, project and market specific technical specifications, with 3 manufacturers unless indicated otherwise, e.g., Stanley CorMax. Associate shall utilize the standards as a minimum standard to guide the design.
2. Design guidelines supplement building, fire, and other health, safety and welfare codes, and represent practices APSU has adopted regarding the built environment. Where conflicts arise between codes and guidelines, codes take precedent.
3. Coordinate deviation from guidelines with the University Design and Construction (UDC) Department.

RELATED SECTION

1. 32—Exterior Improvement

GENERAL PROVISIONS

1. Prior to concrete pours designer shall conduct a pre-pour meeting with contractors to review specifications, quantities to be poured, time of day pour will occur, protection of newly poured concrete, quality assurance, testing procedures, etc.
2. Exposed exterior concrete shall be 4,000 psi compressive strength after 28 days and air-entrained.
3. Wood in contact with concrete shall be pressure treated with an approved preservative to meet AWPA Standards.
4. Apply a non-staining, non-yellowing curing and sealing compound to all exterior concrete horizontal surfaces and stairs where de-icing salts will be used. When using a two-step process where a film-forming curing compound is applied, follow up with a sealing compound after curing compound is removed; or a single-step curing and sealing application.

03 33 00—ARCHITECTURAL CONCRETE

1. Stairs, architectural retaining walls, and other exposed concrete surfaces integral to the building shall have an ACI 301 Smooth-Rubbed Finish.
2. Monumental stairs shall have treads a minimum depth of 13", while maintaining a proportion where $2 \times \text{riser height} + \text{tread depth} \geq 25$.
3. Landscape islands shall have curbing constructed of concrete or clay bricks.

END OF SECTION