

DIVISION 04 – MASONRY

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04 05 00 Common Work Results for Masonry

Design Guidelines

The Clemson University [Site Design Guidelines](#) outline the design principles and design guidelines that must be followed regarding the exterior appearance of facilities at Clemson.

Historic Buildings and Structures

1. Pay careful attention to mortar materials, colors, and joint profiles. Both visual continuity and matching as well as structural integrity are to be accounted for.
2. Pay special attention to the selection of mortar materials, since the use of some mortars presently available may result in the strength of the mortar exceeding the strength of the brick.

04 21 00 Clay Unit Masonry

04 21 13 Brick Selection and Sample Panels

1. To assure the best possible selection of brick, mortar, and proposed jointing for the project, prepare sample panels of materials of all proposed exterior surfaces from which a selection can be approved by the Project Manager Coordinate the selection of masonry with the selection of other exterior materials at the same time, i.e., roofing, metal work, other building trim.
2. Maintain sample panel until completion of the facility for comparison and standard of quality for the building.
3. Unless otherwise directed, specify a cash allowance for the purchase of brick for the project. Specify that all exterior face brick is to be purchased at one time and delivered in sufficient quantity to complete the installation. This shall be done to ensure a uniform color throughout the building.
4. Indicate a brick storage area on construction documents.
5. All colored mortar shall be approved by [Campus Planning](#) prior to specification or use.
6. Adequately specify methods for cleaning the various types of masonry used in the facility and any extraordinary conditions that may affect the use of masonry cleaning materials and equipment. Prohibit the use of sandblasting as a method for cleaning masonry.
7. The widespread use of water-repellent masonry coatings is discouraged. The effective use of design detail shall be utilized to minimize and/or inhibit the entrance of water into the structure.

04 43 00 Stone Masonry

The use of stone masonry may be acceptable as a construction material on some exterior walls or other site installations.

