The following information shall be included in specifications prepared for use on all University of Cincinnati construction and renovation projects. This information is supplemental and not intended to be a complete specification.

GENERAL STANDARDS

General Criteria
Brick Masonry - Select and specify ASTM C62, Grade SW brick. Grade MW does not offer sufficient weathering characteristics and should be avoided. Specify that brick masonry be coated with a water-repellent coating.

Concrete Masonry – Do not specify lightweight CMU for exterior applications as a backup material for brick or in areas subject to moisture.

Building Foundations – Building foundations should extend a minimum of 4” above grade where brick or stone is used to prevent moisture migration and staining from contact with earth.

Quality Assurance
Mock Up Panels - Prior to commencing masonry work, erect sample wall panels using materials, bond and tooling required for finish work. Build on site where directed, 4’ x 4’ minimum sample panels reflecting materials and installation that can be expected in finish work. Include all special shapes that will be used on the project. Sample panels shall be same thickness as walls in final construction.

Panel Retention - Use sample panels to test proposed cleaning procedures, water repellents, and graffiti resistant coatings. Upon acceptance of sample panels, masonry work shall commence. Retain samples through period of masonry work, removing panels when directed.

Product Coordination
Construction Drawings - Indicate all control and expansion joints on the construction drawings.

Sustainability Requirements
(No standards for this section.)

PRODUCT STANDARDS

Product Manufacturers
(No standards for this section.)

Product Requirements
Masonry Reinforcing - As a minimum, all masonry reinforcing shall be hot-dipped galvanized to comply with ASTM A 153, Class B-2 (1.5 ounce per square foot). Stainless steel may be appropriate in some situations. Corrugated wall ties are prohibited.
Product Coordination
(No standards for this section.)

EXECUTION STANDARDS

Preparation & Coordination
(No standards for this section.)

Construction & Installation
Do not perform masonry work when atmospheric temperature is below 40°F or is predicted to fall below 40°F or rise above 90°F within 72 hours.

Testing & Commissioning
(No standards for this section.)

Cleaning & Protection
Masonry Cleaning - Specify that brick masonry shall be cleaned with proprietary general purpose acidic cleaners designed for removing mortar/grout stains efflorescence, and other new construction stains without discoloring or damaging masonry surfaces. Products used should always be the least intrusive product that will adequately clean the masonry.

--- END OF SECTION ---