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.

**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.
**Cavity Protection** – Provide mortar net above all through-wall flashing and ensure masonry cavity is kept clean and free of loose mortar and foreign debris.

**Weeps** – Provide vertically oriented weep vents between head joints that ensure moisture can migrate out and air can circulate into the cavity. Review proposed weeps and related cavity wall accessories with university Project Manager.

**Product Coordination**
*(No standards for this section.)*

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**EXECUTION STANDARDS**

**Preparation & Coordination**
*(No standards for this section.)*

**Construction & Installation**

**Work Temperatures** - 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 ---