

04 20 00 – Unit Masonry

DIVISION 4 – Masonry



STATEMENT OF PURPOSE & BACKGROUND

- Scope:
 - Concrete Masonry Units (CMU), face brick, glazed structural-clay facing tile, and other masonry products as specified.
- Statement of goals:
 - Provide consistent, high quality materials and systems that:
 - Are durable, consistent with their use
 - Compatible with existing materials and finishes
- Revision history of section:
 - 06/20/18 (date of adoption)
 - 09/29/20

OUTLINE SPECIFICATION

- Part 1 General
 - Product Selection:
 - Submit samples of each type of masonry product for initial selection.
 - New masonry materials, colors and color mixes shall match or complement existing brick, particularly on older, potentially historic-designated campuses. Use of mock-ups to view proposed brick adjacent to existing is required.
 - Product delivery & storage:
 - Transport, handle and store products in a manner which will keep materials dry and prevent damage.
 - Single source from single manufacturer for each product specified.
 - Sustainability:
 - Specify regionally (100 mile radius) made masonry materials complying with LEED requirements when available.
- Part 2 Products
 - Concrete Masonry Units (CMU):
 - Hollow-core, load-bearing, complying with ASTM C90.
 - Provide sizes and shapes indicated, and special shapes for lintels, corners, jambs, sashes, movement joints, headers, bonding and other special conditions.
 - Provide square-edged units for outside corners at exterior conditions unless otherwise indicated.
 - Provide bullnose-edged units for outside corners at interior locations exposed to view, unless otherwise indicated.
 - Provide plain face, rock face, burnished face, glazed face and scored face CMU units where indicated on drawings.
 - Face Brick:
 - Provide sizes and shapes as indicated and special shapes as required.
 - Face brick to comply with ASTM C216.
 - Grade: SW
 - Type: FBX
 - Where brick is shown or specified to “match existing,” provide face brick matching color range, texture and size of existing adjacent brickwork.
 - If Owner requires, clean existing brick removed during demolition and reinstall in new locations as indicated on Drawings. Refer to Section 02 41 19 Selective Demolition. Confirm brick salvage with Owner.

- Glazed Structural-Clay Facing Tile:
 - Provide solid, multi-colored, or hollow units as indicated.
 - Provide square-edged or bullnose units at outside corners to match existing where indicated.
 - Sizes, widths, color and texture to match existing where possible.
 - Acceptable manufacturers:
 - Elgin-Butler Co.
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
- Brick Ties
 - Corrugated brick ties shall not be used.
- Part 3 Execution
 - Per Consultant and / or manufacturer specification.
 - Masonry Contractor shall provide mock-up brick panels for exterior brick selection. Panels shall be reviewed and selections made by Architect and Owner.
 - Where existing brick is salvaged or masonry can be matched to existing, “tooth-in” at additions, extensions or infill. If a match cannot be made, provide alternate details/materials.
 - For existing structures, tooled mortar joints shall match existing when possible and otherwise accent the existing in a manner acceptable to the Owner.
 - For new masonry, tooled concave mortar joints are required. Raked and struck joints are not allowed on masonry exposed to weather.
 - At brick veneer cavity wall construction, provide mortar diverters sized to thickness of wall cavity and designed to prevent mortar droppings from clogging weeps and cavity vents to allow for proper cavity drainage.

End of Section