

04000 - MASONRY

I. DESIGN

- A. Additions and alterations to existing structures shall be designed with matching mortar color, joint type, masonry color and texture, and masonry coursing pattern for all exposed masonry elements. Rake joints are not acceptable. Joints should be concave or grape vine to ensure weather resistant type of joint.
- B. Contractor is required to hire a testing lab to take and test mortar cubes; unless the masonry component falls under the Fairfax County Special Inspections Manual requirements (FC-SIM).
- C. All exterior brick shall be Grade SW.
- D. Mortar shall comply with ASTM C270, Specification for Mortar for Unit Masonry. The compressive strength shall be specified by mortar type applicable for the type and location of masonry as required. The specifications shall require the general contractor to hire a testing lab to take and test mortar cubes; unless the masonry component falls under the FC-SIM.
- E. Glass block shall not be used on exterior walls without written approval of DPWES.
- F. Specify bull nosed block corners, for exposed block at occupied interior locations.
- G. Stock mortar colors are preferred. Written approval by County Project Manager is required for any custom or specialty colors.
- H. Project specifications shall specifically require compliance with all applicable requirements of the FC-SIM, where applicable. Any requirements of the FC-SIM not specifically identified as a requirement of the Contractor shall be considered to be a requirement of the Architect and the Structural Engineering consultant.
- I. Project specifications shall state that Contractor is not authorized to proceed with manufacture or procurement of masonry elements or mortar until all related shop drawings, mix designs, and color samples are approved; and any required mock-ups are constructed and approved.