

Division 04 - Masonry

04 01 20 Masonry Restoration and Cleaning

1. Specify cleaning of brick or stone masonry using procedures and cleaning methods recommended by the original brick and stone manufacturers, except that no acid-based cleansers may be used.
2. Sandblasting of masonry is prohibited.
3. Obtain approval from the George Mason University for mortar joint profiles and mortar colors.
4. Specify waterproof covering of masonry work during nonworking hours and for masonry work during inclement weather.
5. Experience Clause: A 5-year experience record of the subcontractor performing the restoration work is required.

04 20 00 Unit Masonry Assemblies

1. Specify submittals of brick masonry that show the full range of colors and textures that will be provided in the finished work.
2. Specify lightweight concrete block where CMU is used.
3. CMU less than 8 inches thick is not permitted unless approved in writing by the University.
4. Specify that mortar additives must be certified by the manufacturer to contain no more than 0.1 percent chloride ions.
5. Specify flexible through-wall flashing at cavity walls, minimum 20 mils thick.
Acceptable Products: Nervastral, Inc., 600 or Seal-Pruf HD, or approved equal.
6. Lead-coated flashing is not permitted.
7. Specify plastic weep holes at cavity walls, spaced not more than 24 inches on center at interruptions in the cavity caused by through-wall flashing, openings, and ledgers. Do not specify aluminum weep hole vents or weep holes with sash cord.
8. Specify that masonry coursing is to be coordinated with window and door heads and sills to minimize fractions of courses and cutting of full masonry units.
9. Include masonry in mock-up requirements as specified in Division 01. Specify the specific requirements and criteria for review of masonry in Division 04.

04 72 00 Cast Stone Masonry

1. Specify that samples of materials indicating each shape and color specified are required for approval before proceeding with the work. Submit samples of anchors and relieving angles.
2. Testing Laboratory: Require that the Contractor submit name and credentials of proposed testing laboratory for approval.
3. Inspection: Require that the Testing Laboratory inspect all material, equipment, fabrication, curing and storing of cast stone work at the plant. Mark and record each unit for identification with the day of casting.
4. Tests: Test representative pieces of cast stone randomly selected from those delivered to the jobsite. Costs for tests and replacement pieces of cast stone taken for testing are included in the Contract. A minimum of one unit per 50 units may be selected from delivered cast stone for testing. Samples shall be tested to destruction in accordance with ASTM C 116 and test reports shall be submitted to the A/E and University.