

DIVISION 4 – MASONRY

A. GENERAL

1. Standards: All new brick work including, but not limited to, expansion joints, ties and fasteners and accessories shall conform to standards of the Brick Institute of America.
2. A sample brick panel of 100 face brick selected for the project shall be laid up with specified jointing for approval by the Designer and University prior to starting exterior face brick installation.
3. Should the initial sample panel be unsatisfactory, the Contractor will be required to erect additional samples until the brick work and jointing are approved by both the Designer and University.

B. CLAY UNIT MASONRY

1. The predominant and preferred brick on campus is St. Joe Light Tan or Rose Blend. Any other brick selection must be approved by the Planning, Design & Construction department. Additions shall match existing brick in color and texture.

The University has approved an equal to St. Joe Brick. It is “Bengal Blend” tumbled face brick as manufactured by Cherokee Brick and Tile Company, Macon, Georgia

2. Coursing: New brickwork, which is adjacent to or an addition to existing brickwork, shall be coursed to match the existing brickwork.
3. Cavity Walls: Cavity walls shall be detailed and specified to keep cavities free of mortar and the Designer’s field representative shall enforce this requirement. There are several strategies available to keep mortar out of the cavity that does not require extraordinary masonry skills. Brick ties shall be specified with built-in drips to avoid water bridging the cavity.
4. Flashings: Flashings shall be carefully thought out and positioned. Extend beyond openings and specify dams. Coordinate and detail the interface between below grade waterproofing and through-wall flashing, as well as base flashing and weeps.
5. Weep holes: Weeps are preferred to be an open head joint rather than cords or tubes. Locate them far enough above adjacent roofs to allow reproofing without interfering with their operation. Weep holes on exterior walls shall extend the full height of the brick head joint and be a minimum of 24” on center.

6. Expansion and Control Joints: Expansion joints and expansion joint spacing shall strictly conform to the Brick Institute of America.
7. Mortar Joints: Mortar joints shall be tooled slightly concave. Struck or raked joints shall not be used in exterior walls. Exception: Joints in historic buildings shall match the existing ones.
8. Reinforcement, Ties and Anchors: Reinforcement, ties and anchors shall strictly conform to the American Concrete Institute, the American Society of Civil Engineers and the Masonry Society.
9. All new exterior brick or exposed aggregate finishes shall be sealed with a clear silane or silicone waterproofing solution. Windows, doors, and shrubbery shall be covered during the application. Provide a minimum 10 year manufacturer's warranty.
10. Due to potential rusting, brick veneer wall shall have CMU back up interior wall and not metal studs.
11. Air space between brick and wall shall be a minimum of 1 ½".
12. Glazed brick or ceramic tile on restroom walls: A minimum of five feet high is preferred.
13. Copper wall flashing: A minimum of 5 oz. shall extend below the entire width of the brick.
14. Bricks used for paving shall be of a grade designated as suitable for ground contact.
15. Store masonry units on elevated platforms in a dry location. If units are not stored in an enclosed location, cover tops and sides of stacks with waterproof sheeting and ensure that they are securely tied. If units become wet, do not install until they are dry.

C. COPING STONES

1. Thru-wall flashing shall be installed beneath all coping stone installations.