

DIVISION 4 – MASONRY

(At the Office Area if Required by Code)

4.1 Masonry Units

Concrete masonry units shall be 8" x 16" face size and shall conform to "Standard for Hollow Load Bearing Masonry Units", ASTM C90, Type I, Grade 4.

Provide bullnose units at all external corners, door and window jambs, and other openings exposed on the interior or exterior of the buildings. Provide solid units, jamb blocks, 4" high units, etc., as required by the Work.

Reference standard, "Specification for Design and Construction of Concrete Masonry" by the National Concrete Masonry Association.

4.2 Mortar Type

Mortar for unit masonry shall conform to ASTM C270, Type S, with a minimum compressive strength of 2,000 psi ASTM C270.

4.3 Water Repellant Admixture

For use in all CMUs and CMU mortar: Integral water repellent admixture shall be a compound designed to reduce capillarity. Provide Dry-Block Mortar admixture as manufactured by Grace Construction, or approved equal.

4.4 Structural Grout Requirements

Structural grout for unit masonry shall conform to ASTM C476. All grout shall be prepared with Portland Cement conforming to ASTM C150, Type I sand and No. 8 gravel, ASTM C404. Grout shall reach a minimum strength of 2,500 psi at 28 days, but shall in no case be less than the 28-day strength of the mortar. Maximum slump shall be 6".

4.5 Horizontal Joint Reinforcing

Install horizontal joint reinforcing in accordance with joint reinforcing manufacturer's instructions. Reinforcement shall be truss-type welded steel wire, 9-gauge minimum, equal to standard DUR-O-WALL, Inc. placed at 16" O.C. vertical spacing.

4.6 Expansion/Contraction Joints

Expansion and contraction joints shall be located in walls as required. Masonry control joints shall be Rapid Control Joint Rubber Compound-Regular Type as manufactured by DUR-O-WALL, Inc., or approved equal. All expansion joints shall be properly caulked upon completion of the Work.

END OF SECTION