TITAN BLOCK

SPECIFICATIONS FOR CONCRETE MASONRY

Specifications governing manufacturing, testing, and use of concrete masonry units and associated materials can be found in the following ASTM Standard:

Specifications

C55 Concrete Building Brick
C73 Calcium Silicate Face Brick (Sand Lime Brick)
C90 Hollow Load-Bearing Concrete Masonry Units
C129 Non-Load-Bearing Concrete Masonry Units
C139 Concrete Masonry Units for Construction of Catch Basins/Manholes
C144 Aggregate for Masonry Mortar
C145 Solid Load-Bearing Concrete Masonry Units
C270 Mortar for Unit Masonry
C331 Lightweight Aggregate for Concrete Masonry Units
C476 Grout for Masonry
C744 Prefaced Concrete and Calcium Silicate Masonry Units

Testing Methods

C140 Sampling and Testing Concrete Masonry Units
C426 Drying Shrinkage of Concrete Block
C780 Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
C1019 Sampling and Testing Grout
E447 Compressive Strength of Masonry Prisms

All of the above ASTM standards are reprinted in their entirety, in a booklet published by the National Concrete Masonry Association. The publication, appropriately called "ASTM Specifications for Concrete Masonry Units" can be obtained by contacting the:
Note

Please be advised that due to the high rainfall and humidity in Florida, Type I moisture controlled units, as prescribed by ASTM C-90 are not available. Control joint spacing and location should be designed utilizing the Type II non-moisture controlled units.

Structural Design

Design of Concrete Masonry Structures and preparation of masonry specifications should be done under the guidelines of the ACI 530-88/ASCE 5-88 National Design Code and Specifications. This code was published in 1989 and represents the latest in both concrete and clay masonry building technology. ACI 530-88/ASCE 55-88 may be obtained by contacting the:

American Concrete Institute
or
American Society of Civil Engineers

Local building codes may require methods of construction that differ from the National ACI 530-88/ASCE 5-88 Code. Please note that with rare exception, local building codes allow for a registered Architect or Engineer to use the provisions and methods of the National Codes in lieu of the local code requirements.