

TEK 0-0 - INDEX

TEK Index

This index contains a listing of all NCMA TEK Notes with links to each document.

Section 1 - Codes & Specifications

[01-01F ASTM Specifications for Concrete Masonry Units](#)

[01-04 Glossary of Concrete Masonry Terms](#)

Section 2 - Unit Properties

[02-01A Typical Sizes and Shapes of Concrete Masonry Units](#)

[02-02B Considerations for Using Specialty Concrete Masonry Units](#)

[02-03A Architectural Concrete Masonry Units](#)

[02-04C Segmental Retaining Wall Units](#)

[02-05B New CM Unit Configurations Under ASTM C90](#)

[02-06 Density-Related Properties of Concrete Masonry Assemblies](#)

Section 3 - Construction

[03-01C All-Weather Concrete Masonry Construction](#)

[03-02A Grouting Concrete Masonry Walls](#)

[03-03B Hybrid Concrete Masonry Construction Details](#)

[03-04C Bracing Concrete Masonry Walls Under Construction](#)

[03-05A Surface Bonded Concrete Masonry Construction](#)

[03-06C Concrete Masonry Veneers](#)

[03-08A Concrete Masonry Construction](#)

[03-09A Strategies for Termite Resistance](#)

[03-11 Concrete Masonry Basement Wall Construction](#)

[03-12 Construction of High-Rise Concrete Masonry Buildings](#)

[03-13 Construction of Low-Rise Concrete Masonry Buildings](#)

[03-14 Post-Tensioned Concrete Masonry Wall Construction](#)

[03-15 Construction of Reinforced Concrete Masonry Diaphragm Walls](#)

[03-16A Concrete Masonry Screen Walls](#)

Section 4 - Costs & Estimating

04-01A Productivity and Modular Coordination in Concrete Masonry Construction

04-02A Estimating Concrete Masonry Materials

Section 5 - Details

- 5-1B Concrete Masonry Veneer Details
- 5-2A Clay & Concrete Masonry Banding Details
- 5-2C CAN-TEK Clay and Concrete Masonry Banding Details
- 5-3A Concrete Masonry Foundation Wall Details
- 5-4B Concrete Masonry Residential Details
- 5-5B Integrating Concrete Masonry Walls with Metal Building Systems
- 5-6A Concrete Masonry Curtain and Panel Wall Details
- 5-7A Floor and Roof Connections to CM Walls
- 5-8B Detailing Concrete Masonry Fire Walls
- 5-9A Concrete Masonry Corner Details
- 5-10A Concrete Masonry Radial Walls
- 5-11 Residential Details for High Wind Areas
- 5-12 Modular Layout of Concrete Masonry
- 5-13 Rolling Door Details for Concrete Masonry Const.
- 5-14 Concrete Masonry Hurricane and Tornado Shelters
- 5-15 Details for Half-High Concrete Masonry Units
- 5-16 Aesthetic Design with Concrete Masonry

Section 6 - Energy & IAQ

- 6-1C R-Values of Multi-Wythe Concrete Masonry Walls
- 6-2C R-Values and U-Values for Single Wythe Concrete Masonry Walls
- 6-3 Shifting Peak Energy Loads With Concrete Masonry Construction
- 6-4B Energy Code Compliance Using COMCheck
- 6-5A Passive Solar Design Strategies
- 6-6B Determining the Recycled Content of Concrete Masonry Products
- 6-7A Earth-Sheltered Buildings
- 6-9C Concrete Masonry and Hardscape Products in LEEDTM 2009
- 6-10A Concrete Masonry Radiant Heating/Cooling Systems
- 6-11A Insulating Concrete Masonry Walls
- 6-12C IECC and Concrete Masonry (2003 & 2006 IBC)
- 6-12D Concrete Masonry in the 2009 Edition of the IECC
- 6-12E Concrete Masonry in the 2012 Edition of the IECC
- 6-13B Thermal Bridges in Wall Construction

- 6-14A Control of Air Leakage in Concrete Masonry Walls
- 6-15A Radon-Resistant Concrete Masonry Foundation Walls
- 6-16A Heat Capacity (HC) Values for Concrete Masonry Walls
- 6-17B Condensation Control in Concrete Masonry Walls

Section 7 - Fire Resistance

- 7-1C Fire Resistance Ratings of Concrete Masonry Assemblies
- 7-2 Balanced Design Fire Protection
- 7-3A Firestopping for Concrete Masonry Walls
- 7-4A Foam Plastic Insulation in Concrete Masonry Walls
- 7-5A Evaluating Fire-Exposed Concrete Masonry Walls
- 7-6A Steel Column Fire Protection

Section 8 - Maintenance & Cleaning

- 8-1A Maintenance of Concrete Masonry Walls
- 8-2A Removal of Stains from Concrete Masonry
- 8-3A Control and Removal of Efflorescence
- 8-4A Cleaning Concrete Masonry

Section 9 - Mortar, Grout & Stucco

- 9-1A Mortars for Concrete Masonry
- 9-2B Self-Consolidating Grout for Concrete Masonry
- 9-3A Plaster and Stucco For Concrete Masonry
- 9-4A Grout for Concrete Masonry

Section 10 - Movement Control

- 10-1A Crack Control in Concrete Masonry Walls
- 10-2C Control Joints for Concrete Masonry Walls – Empirical Method
- 10-3 Control Joints for Concrete Masonry Walls – Alternative Engineered Method
- 10-4 Crack Control for Concrete Brick & other CM Veneers

Section 11 - Articulating Concrete Block (ACBs)

- 11-9B Articulated Concrete Block for Erosion Control
- 11-12A ACB Revetment Design – Factor of Safety Method
- 11-13 Articulating Concrete Block (ACB) Installation

Section 12 - Reinforcement & Connectors

- 12-1B Anchors and Ties for Masonry
- 12-2B Joint Reinforcement for Concrete Masonry
- 12-3C Design of Anchor Bolts Embedded in Concrete Masonry
- 12-4D Steel Reinforcement for Concrete Masonry
- 12-5 Fasteners for Concrete Masonry
- 12-6 Splices, Development & Standard Hooks for CM (2006 IBC)
- 12-6A Splices, Development and Standard Hooks for CM Based on the 2009 & 2012 IBC

Section 13 - Sound

- 13-1C Sound Transmission Class Ratings for CM Walls
- 13-2A Noise Control with Concrete Masonry
- 13-3A Concrete Masonry Highway Sound Barriers
- 13-4A Outdoor-Indoor Transmission Class of CM Walls

Section 14 - Structural - General

- 14-1B Section Properties of Concrete Masonry Walls
- 14-3A Designing Concrete Masonry for Wind Loads
- 14-4B Strength Design Provisions for Concrete Masonry
- 14-5A Loadbearing Concrete Masonry Wall Design
- 14-6 Concrete Masonry Bond Patterns
- 14-7B ASD of Concrete Masonry (2005 and 2008 MSJC)
- 14-7C ASD of Concrete Masonry (2012 IBC & 2011 MSJC)
- 14-8B Empirical Design of Concrete Masonry Walls
- 14-9A Hybrid Concrete Masonry Design
- 14-10B Impact Resistance of CM Correctional Facilities
- 14-11B Strength Design of CM Walls for Axial Load & Flexure
- 14-12B Seismic Design Forces on Conc. Masonry Buildings
- 14-13B Concrete Masonry Wall Weights
- 14-14 Concrete Masonry Arches
- 14-15B ASD of Pier and Panel Highway Sound Barrier Walls
- 14-16B Concrete Masonry Fence Design
- 14-17A Software for Structural Design of Concrete Masonry
- 14-18B Seismic Design and Detailing Requirements for Masonry Structures
- 14-19A ASD Tables for Reinforced CM Walls (2006 & 2009 IBC)
- 14-19B ASD Tables for Reinforced CM Walls (2012 IBC & 2011 MSJC)
- 14-20A Post-Tensioned Concrete Masonry Wall Design
- 14-21A Design of Concrete Masonry Walls for Blast Loading

- 14-22 Design and Construction of Dry-Stack Masonry Walls
- 14-23 Design of Concrete Masonry Infill

Section 15 - Foundation & Retaining Walls

- 15-1B Allowable Stress Design of CM Foundation Walls
- 15-2B Strength Design of Reinforced CM Foundation Walls
- 15-3A Roles and Responsibilities on SRW Projects
- 15-4B Segmental Retaining Wall Global Stability
- 15-5B Segmental Retaining Wall Design
- 15-6 Concrete Masonry Gravity Retaining Walls
- 15-7B Concrete Masonry Cantilever Retaining Walls
- 15-8B Guide to Segmental Retaining Walls
- 15-9A Seismic Design of Segmental Retaining Walls

Section 16 - Structural - Multi-Wythe Walls

- 16-1A Multi-Wythe Concrete Masonry Walls
- 16-2B Structural Design of Unreinforced Composite Masonry
- 16-3B Reinforced Composite Concrete Masonry Walls
- 16-4A Design of Concrete Masonry Noncomposite Walls

Section 17 - Structural - Beams, Columns & Lintels

- 17-1D ASD of CM Lintels Based on 2012 IBC/2011 MSJC
- 17-2A Precast Lintels for Concrete Masonry Construction
- 17-3A Allowable Stress Design of Conc. Masonry Columns
- 17-4B Allowable Stress Design of CM Pilasters

Section 18 - Quality Assurance, Inspection & Testing

- 18-1B Evaluating the Compressive Strength of CM based on 2012IBC/2011 MSJC
- 18-1C Evaluating the Compressive Strength of CM based on 2015IBC/2013 MSJC
- 18-2C Sampling and Testing Concrete Masonry Units
- 18-3B Concrete Masonry Inspection
- 18-4A Creep Properties of Post-Tensioned and High-Rise CM
- 18-5B Masonry Mortar Testing
- 18-6 Structural Testing of CM Assemblages
- 18-7 Compressive Strength Testing Variables for CM Units
- 18-8B Grout Quality Assurance
- 18-9A Evaluating Existing Concrete Masonry Construction

- 18-10A Sampling and Testing Segmental Retaining Wall Units
- 18-11B Inspection Guide for Segmental Retaining Walls

Section 19 - Water Penetration Resistance

- 19-1 Water Repellents for Concrete Masonry Walls
- 19-2B Design for Dry Single-Wythe Concrete Masonry Walls
- 19-3B Preventing Water Penetration in Below-Grade CM Walls
- 19-4A Flashing Strategies for Concrete Masonry Walls
- 19-5A Flashing Details for Concrete Masonry Walls
- 19-6A Joint Sealants for Concrete Masonry Walls
- 19-7 Characteristics of CMU with Integral Water Repellent

Section 20 - Manufactured Stone Veneer

- 20-1 Key Installation Checkpoints for Manufactured Stone Veneer

Keywords

Index