

Syllabus

Provider:
AIA Florida
104 E. Jefferson St.
Tallahassee, FL 32303
850-222-7590

DBPR Provider #: 0001765

Course Instructors:

- Chris Bettinger – Oldcastle Coastal, Chairman of ProMasonry Committee – Masonry Association of Florida Board Member
- Don Beers PE – Masonry Association of Florida

Course Title:

Advanced FBC: Masonry Code Changes and Best Practices

Number of Classroom Hours:

2 Hours for 2 CEU Advanced Building Code Course

Course Description:

This course is a review of the Masonry Codes and Best Practices Brought in by the 2017 6th Edition Florida Building Code.

Masonry design strengths have increased by more than 33%. Significant changes have occurred between the previous 2008 and 2011 TMS 402/602 masonry codes and the currently adopted 2016 TMS 402/602 code. This course informs the participant of the latest code changes and how to incorporate those changes in their specification. Currently adopted ASTM masonry standards and Masonry Best Practices will also be reviewed. Summarizing... Material specification,

flashing/weep details, differential movement, vertical relief, mock-ups and sampling.

Topics/Timeline (in minutes):

INTRODUCTION...

- Presenter – Chris Bettinger
- Slides 1 – 9 Duration 5 minutes

SECTIONS...

1. Clay Brick Specification

- Presenter – Chris Bettinger
- Slides 10 – 19
- Duration 10 minutes

2. Masonry Code Changes for 2018 & CMU Specification

- Presenter – Don Beers
- Slides 19 - 96
- Duration 70 minutes

3. Masonry Best Practices

- Presenter – Chris Bettinger
- Slides 92 - 143
- Duration 25 mi

4. Questions

- Presenter – Chris Bettinger & Don Beers
- Slide 144
- Duration 10 minutes

Total time: Slides 1 – 144, duration 120 minutes

Code Editions:

- 2008 National Masonry Code, TMS 402/602
- 2011 National Masonry Code, TMS 402/602
- 2016 National Masonry Code, TMS 402/602
- Florida Building Code 5th Edition
- Florida Building Code 6th Edition

Bibliography:

- Brick Industry Association
 - 12007 Sunrise Valley Drive, Suite 430
Reston, Virginia 20191
Phone: 703-620-0010
 - BIA Tech Notes are available for print & download:
<http://www.gobrick.com/Technical-Notes>
 - BIA Tech Notes – 9 Series, Manufacturing and Specification of Clay Brick. 9, 9A, 9B
 - BIA Tech Notes, 11 Series – Guide Specifications for Brick Masonry. 11, 11A, 11B, 11C, 11D, 11E
 - BIA Tech Notes, 21 Series – Brick Masonry Cavity Walls. 21, 21A, 21B, 21C
 - BIA Tech Note, 48 - Sustainability and Brick

- National Concrete Masonry Association
 - 13750 Sunrise Valley Drive
Herndon, Virginia 20171
Phone: 703-713-1900
 - NCMA Tek Notes are available for print & download:
<http://ncma-br.org/e-tek-nbs.asp>
 - NCMA Tek Note, 1 - Building Codes and Specifications
 - NCMA Tek Note, 2 - Concrete Masonry Unit Properties, Shapes and Sizes
 - NCMA Tek Note, 12 – Reinforcement and Connectors
 - NCMA Tek Note, 14 – Structural General

Method of Presentation:

The Course will be a lecture using PowerPoint with the attendants able to question/discuss at each slide

Course Learning Objectives:

1. Review the ASTM standards for clay brick
2. Understand the quality protections built into the ASTM standards for clay brick
3. Define the TMS 402/602 code, explain who is responsible for it and how the Florida Building Code references it.
4. Review the primary changes to the code that have occurred between the 2008, 2011, 2013 and 2016 editions?
5. Understand how the allowable compressive design strength of masonry is affected by the latest 2016 code?
6. Understand how to utilize the latest 2016 edition of TMS 402/602 which is currently referenced in the 6th Edition Florida Building Code.
7. Understand minimum code requirements and best practices for resilient masonry construction in Florida.
8. Understand the best method for material sampling and selection insuring the design intent of a project.

Method of Evaluation:

Evaluation will be a handout that allows opinion of the course and presentation on the achieved the objective.