

# ACI COMMITTEE 439 on REINFORCING STEEL MEETING NOTICE AND AGENDA

**To: Members of ACI Committee 439**  
**From: Mark D. Marvin, Chair**  
**William C. Gallenz, Secretary**  
**Date 10 March 2009**

e-mail: [mdm.tmg@comcast.net](mailto:mdm.tmg@comcast.net)

e-mail: [wgallenz@rsinc.bz](mailto:wgallenz@rsinc.bz)

Address Chairman at:  
The Marvin Group, Inc.  
P.O. Box 1259 Fairacres, NM 88033  
Phone 859-371-8009 Fax: 859-371-8013  
e-mail: [mdm.tmg@comcast.net](mailto:mdm.tmg@comcast.net)

## ACI COMMITTEE 439 MEETINGS SUMMARY Spring 2009 — San Antonio, TX, Marriott Rivercenter

COMMITTEE NUMBER	COMMITTEE NAME	DAY	TIME	ROOM
439	Steel Reinforcement	Mon, Mar 16	8:30a-10p	Conf Room 10
439-A	Steel Reinf-Wire	Sun, Mar 15	3:30p-5p	Conf Room 6

### AGENDA -- COMMITTEE 439 ON STEEL REINFORCEMENT (Main committee meeting on Monday, 16 March 2009)

1. Call to order and introductions
  2. Membership overview
  3. Approval of minutes from Fall 2008 meeting in St. Louis, MO (attached)
  4. Subcommittee reports
    - 4.1. 439 A on Welded Wire Reinforcement – Ted Mize, Chair; Ryan Pelter, Secretary
  5. Task Group Reports
    - 5.1. Field straightening reinforcement: testing status update – Mario Rodriguez, Chair
    - 5.2. “Steel Reinforcement - Physical Properties & U. S. Availability” (ACI 439.4R-89)  
Update Ballot and comments
    - 5.3. New high strength steel – Salem Faza, Chair (CI rep to be present to discuss possible article publication)
    - 5.4. Status update of “Comprehensive Guide...”
  6. Discussion on possible upcoming sessions – Roy Reiterman
  7. Review of Mission Statement and Goals
  8. Other Old Business
  9. New Business
  10. Adjournment
- cc: D. Johnston, TAC Contact



**DRAFT MINUTES FOR ACI COMMITTEE 439**

December 17, 2008

Address writer at:  
Reinforcement Solutions, Inc.  
1117 N. 23<sup>rd</sup> Street  
Allentown, PA 18104

To: Members of ACI 439  
From: William C. Gallenz, Secretary

E-mail: [wgallenz@rsinc.bz](mailto:wgallenz@rsinc.bz)

**Subject: 439 Main Committee minutes for the meeting held:  
Monday, November 3, 2008 (8:30am – 10:00am)  
St. Louis, MO, Renaissance Grand and America's Center, Hawthorne**

- 1. Call to order: 8:30 A.M.**
- 2. Attendance:**
  - 2.1.** Voting Members Present: M. Marvin, W. Gallenz, J. Bohinsky, C. Agusta, L. Colarusso, D. DeValve, S. Faza, A. Felder, P. Fredrickson, T. Hawkinson, K. Luttrell, L. Lutz, T. Mize, C. Paulson, R. Pelter, R. Reiterman, K. Williamson, P. Zivich
  - 2.2.** Voting Members Absent: D. Carreira, S. Holdsworth, A. Hulshizer, H. Lancelot, P. Meza, R. Ramsey, R. Richardson, M. Rodriguez, P. Ross, C. Sabo, R. Smith, D. Starnes, W. Zehrt,
  - 2.3.** Other Members Present: (none)
  - 2.4.** Visitors Present: B. Barrows, T. Cartwright, J. Hetherington, R. Jennings T Johnson, Q. Li, D. Yan
  - 2.5.** Summary: 18 Voting Members present, 11 Voting Members absent, 0 Other Members present, 7 Visitors present.
    - 2.5.1.** As of the date of the meeting, committee membership stood at 31 Voting, 3 Associate and 6 Consulting members.
- 3. Minutes Approval:**
  - 3.1.** The minutes as presented from the Spring, 2008 Los Angeles, CA meeting were unanimously approved. (Motion: L. Colarusso; Second: T. Felder)
- 4. Stainless Steel Rebar Alloy Presentation:** Mr. Phil Zivich, Outokumpu Stainless
- 5. Subcommittee Reports:**
  - 5.1.** 439-A on Wire Reinforcement (T. Mize, Chair, R. Pelter, Secretary) – Subcommittee A met on Sunday November 2, 2008.
    - 5.1.1.** Attendance: There were 12 in attendance. 10 members, 2 visitors.
    - 5.1.2.** Changes to ACI 318 reported by T. Mize
      - 5.1.2.1.** There will not be a 2011 version of the code.
      - 5.1.2.2.** The new building code will be divided by building elements.
      - 5.1.2.3.** Re-initiate request for elimination of deformed WWR spacing limitation to be sent by T. Mize to M. Marvin of 439.
    - 5.1.3.** Further discussion on proposed ACI Guide document to address all preliminary review comments by members.
    - 5.1.4.** Sub-committee review of goals and educational plan timeline to be coordinated with guide document.
    - 5.1.5.** ASTM Standards update by T. Mize



5.1.5.1. 3 ballot items will likely move to main committed ballot soon: galvanized WWR, combination of the four wire standards, and the welded reinforcement grid standard.

**6. Task Group Reports:**

6.1. Field Straightening Reinforcement: testing status update – Mario Rodriquez, Chair

6.1.1. Mario Rodriquez was not present, so no report was filed.

6.2. Report “Steel Reinforcement – Physical Properties & U.S. Availability” (ACI 439.4R-89) (L. Lutz, Chair)

6.2.1. Leroy addressed all comments and changes to the document per the comments from TAC. Chairman Marvin announced that a ballot would be issued for primary comments only.

6.3. New High Strength Steel (S. Faza, Chair)

6.3.1. Salem reported that ITG 6 was finalizing their document. At such a time, the document would be distributed to certain groups for a peer review.

6.4. Staggering Splices Update (L. Colarusso, Chair)

6.4.1. Lou requested that Chairman Marvin officially handoff this document from Committee 439.

6.5. Review of committee comments for “Comprehensive Guide...”

6.5.1. Chairman Marvin presented the returned comments and discussed the most applicable. He also noted that most comments were addressed in the subcommittee review. Chairman Marvin stated that he would change the document accordingly and send another copy for review prior to issuing the initial ballot.

**7. Review of Mission Statement and Goals (ACI Requirement):**

7.1. The mission and goals remain as defined at fall 2007 meeting.

7.2. Roy Reiterman commented that he has set up a Session with E702 for New Orleans on constructability. Members agreed that this session would be of interest for a co-sponsor. He also suggested looking at a future session opening with Committee E702.

**8. Other Old Business:**

8.1. No additional old business discussed.

**9. New Business:**

9.1. Mr. Conrad Paulson asked for time to show a presentation on reinforcement bar test results. This presentation was to be given at the 318-B meeting later in the week. Mr. Paulson presented his findings and a brief question and answer period ensued.

**10. Adjournment:**

10.1. K. Luttrell motioned, R. Reiterman second.

cc: D. Johnston, TAC Contact  
Ron Burg, TAC Chair  
Dan Falconer, ACI Engineering manager, Attn: Shannon Banchemo

# ACI SUBCOMMITTEE 439-A AGENDA

March 9, 2009

To: Members of ACI Subcommittee 439-A

From: Ryan Pelter  
Engineered Wire Products  
1200 North Warpole St.  
Upper Sandusky, OH 43351

Phone: 419-294-3817

Email: [rpelter@ewpinc.com](mailto:rpelter@ewpinc.com)

Date: Sunday, March 15, 2009

Place: San Antonio, TX – Marriott Rivercenter – Conference Room 6

Time: 3:30 – 5:00pm

- 1 – Call to order.
- 2 – Introduction and welcome guests and new members.
- 3 – Approval of minutes from the St. Louis meeting (attached).
- 4 – Subcommittee membership update.
- 5 – Changes to ACI 318.
  - a. Proposals for material and use related changes to 318 Code.
  - b. Update on request for elimination of deformed WWR spacing limitation.
- 6 – Discussion/report on proposed ACI Guide document.
- 7 – Subcommittee review of implementation goals.
  - a. Discuss educational plan and timeline – coordinate with guide document.
  - b. Discuss new ideas for subcommittee goals, mission statement.
- 8 – Report on new or revised ASTM Standards.
- 9 – Discussion/report on Wire and WWR Guide document.
- 10 – New business.
- 11 – New meeting date & time.
- 12 – Adjournment.

# ACI SUBCOMMITTEE 439-A MINUTES

Date: Sunday, November 2, 2008

Place: St. Louis, MO – Renaissance Grand and Suites Hotel – Kingsbury

Time: 3:30 – 5:00pm

- 1 – Meeting called to order at 3:35 PM.
- 2 – Introduction and welcome guests and new members. 12 members/guests in attendance.
- 3 – Approval of minutes from the Los Angeles meeting (attached). Motion to approve minutes by M. Marvin, second by R. Reiterman.
- 4 – Subcommittee membership update. P. Ross will be notified of inactivity on the subcommittee.
- 5 – Changes to ACI 318.
  - c. Proposals for material and use related changes to next 318 Code. T. Mize reported that there will not be a 2011 version of the code. The new building code will be divided by building elements.
  - d. Re-initiate request for elimination of deformed WWR spacing limitation. T. Mize suggested approaching the subject in terms of lap and development length in order to initiate a change. T. Mize will send a proposal to M. Marvin to present to 439 main committee.
- 6 – Discussion/report on proposed ACI Guide document. Reviewed changes to the guide document. M. Marvin suggested that the description below the stress-strain curves for wire be changed from “cold-rolled” to “cold-worked”.
- 7 – Subcommittee review of implementation goals.
  - c. Discuss educational plan and timeline – coordinate with guide document.
  - d. Discuss new ideas for subcommittee goals, mission statement. M. Marvin will review archive information for the 439A mission statement.
- 8 – Report on new or revised ASTM Standards. There are currently 3 ballot items that will likely move to main committee ballot soon: galvanized WWR, combination of the four wire standards, and the welded reinforcement grid standard.
- 9 – Address comments on Wire and WWR Guide document.

Comments from P. Fredrickson:

1. Regarding 318 references, the committee understands the concern but believes it would be best to proceed with the 318 references and change them in the future as required.

2. The committee agrees that the “substitution” language will need to be modified.
3. The committee agrees to make changes as required.

Comments from D. DeValve:

1. Consistency of significant figures; the committee agreed that we would increase the decimal places on the noted wire sizes.
2. The committee agreed to reference “Figure 1” with the sheet description in the first paragraph of page 6.
3. The committee agreed to change the figure references on page 8 from “Figure 2” to “Figure 1”.
4. The committee agreed to change “four” main code bodies to “three”.
5. The committee prefers to leave the stress/strain discussion on page 20 as-is.
6. The committee agreed to change the section reference on page 30 from 3.2 to 2.2.
7. The committee agreed to add “318 Code” on page 30.
8. On page 36, remove “s” from splices and add “d” to provide. Remove “this” and “s” from provides. Remove “s” from avoids.
9. Remove “5.2 Field Bending” from Section 5.7.

Comments from T. Felder:

1. The subcommittee agreed that we will need to change “redesign-rebar-into-WWR” verbiage and other WWR “promotional” language. M. Marvin requested that each of us review the document for specific examples in order for the subcommittee to discuss.
2. The subcommittee agreed to add the hard metric tables as shown in ASTM A82 and A496.
3. The subcommittee agreed that it has been covered but would prefer to also include it in this document.
4. The subcommittee agreed to remove “peak season”
5. The subcommittee agreed to move the break in the table to move “Deformation Requirements” and add “Spacing” after “Max.” and “Min.”
6. The subcommittee agreed to change the footnote references in the Deformation Requirements to “d” and “e”.
7. The subcommittee understands the “Var.” concern but believes it is adequately clarified in the definitions.
8. The subcommittee agrees and has made the figure reference changes.
9. The subcommittee agrees and has made the change from four to three.
10. The subcommittee prefers to leave the AASHTO references as-is.
11. The subcommittee prefers to leave the 318 references.
12. The subcommittee agrees to move the reference to ASTM A184.
13. The subcommittee agrees to remove “as described in the introduction of this manual” in Section 3.3.
14. The subcommittee agreed to change Roman numeral in Section 3.5.
15. The subcommittee removed the exception to seismic zones because wire is referenced in Chapter 21 of ACI 318.

16. The subcommittee removed “governed by the ACI code” and added “no cross wires within the lap splice length” in Section 4.1.3.
17. The subcommittee agreed to remove “the most” and replace with “a”.
18. The subcommittee agreed to add “deformed WWR” before finger splices.

General Note: The subcommittee needs to review the document and change “cold-rolled” to “cold-worked”.

On page 27, change 1.5 wire diameters to 1, 0.561 to 0.374, 171 to 256 sheets, and 342 to 512.

T. Cartwright and S. Holdsworth comments are similar to the above and will be addressed in the 439 meeting.

10 – New business.

11 – New meeting date & time.

12 – Adjournment.

Motion by M. Marvin to adjourn at 5:55 PM.