

ACI COMMITTEE 307
Reinforced Concrete Chimneys
ACI 2016 Fall Convention - Philadelphia
Philadelphia Marriott Downtown
October 24, 2016
2:00 PM – 5:00 PM Room 303
Approved Minutes – 3/27/2017

1. Call to Order

Called to order at 2:08

2. Attendance, Determination of Quorum

<u>Voting Members (5 of 13)</u>	<u>Associate Members</u>	<u>Guests</u>
Denis Radecki	Kelly Scott	Dr. Takashi Hara
Dave Bird	Jay Amin	Arun Bhowmik
Scott Richart	Alan Wiley	John Dennon
Victor Bochicchio		
Shu-jin Fang		

Quorum for technical issues (40%) not met

3. Guest Introductions

4. Review of Agenda

5. Review/Approval of Spring 2016 Meeting Minutes

Approved. Motion: Richart 2nd: Bochicchio Vote: 5-0

6. Chair: Review of Goals, Status

Alan Wiley has been added as an Associate Member. Tim Dement has requested change of status from voting member to associate member. Proposed interest categories and mini technical sessions were discussed.

7. Progress Review: ACI 307-1X

Overall Organization

Chapter 1 – General

Chapter 2 – Notation and Definitions

All notation to be checked when full draft is next distributed

Chapter 3 – References

Chapter 4 – Structural System Requirements

Definition of structural system revised

Chapter 5 – Concrete and Concrete Materials

Clarify concrete requirements apply to chimney but not foundation; review of testing periods in ACI 318-14

Chapter 6 – Reinforcing Steel

Clarify concrete requirements apply to chimney but not foundation

Chapter 7 – Loads

Thermal Load

Commentary for 7.4.1.2 should explain purpose of included model; add inlet/outlet area formula

Along-wind Load

Need Jon G. review of gust factor

Across-wind Load

Need Jon G. review of tapered limitation, wind speed bounds, group effect

Non-code situations – refer to analytical models as well as tests and observations

Seismic Load

Review chimney-liner interaction language (clarify in commentary?)

Should deflections be referred to as “service level” (check ASCE 7-10)

Use C_D instead of R in deflection equation (consistent with ASCE 7-10)

Chapter 8 – Design Strength of Horizontal Sections

Suggested “cross sections” be used instead of “sections”

Noted that (Pu,Mn) calculation will be changed to (Pu,Mu) calculation

Equations to be reviewed to see if reinforcement in compression area opening can be ignored (as was previously done in ASD code) to reduce strength;
current method probably results from desire to maintain equations as simple as possible
text must reflect what is included in equations

Chapter 9 – Design Strength of Vertical Sections

Chapter 10 – Opening Details

Chapter 11 – Foundation

Chapter 11 – Construction Requirements

8. **OLD BUSINESS**

9. **NEW BUSINESS**

10. **Next Meeting: March 27, 2017, Detroit**

11. **Adjourn**

Meeting adjourned at 5:00

M-Radecki

2nd-Richart

Vote: 5-0