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

<table>
<thead>
<tr>
<th>Voting Members (5 of 13)</th>
<th>Associate Members</th>
<th>Guests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denis Radecki</td>
<td>Kelly Scott</td>
<td>Dr. Takashi Hara</td>
</tr>
<tr>
<td>Dave Bird</td>
<td>Jay Amin</td>
<td>Arun Bhowmik</td>
</tr>
<tr>
<td>Scott Richart</td>
<td>Alan Wiley</td>
<td>John Dennan</td>
</tr>
</tbody>
</table>
| Victor Bochicchio       | Shu-jin Fang      | Quorum for technical issues (40%) not met

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.


   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 $C_0$ 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