AGENDA
TAC Construction Standards Committee (TCSC)
Wednesday, Oct. 18, 2017, 7:30 – 9:30 AM
Explorer room, Disneyland Hotel
Anaheim, CA

1. Call to Order and Introduction of Members and Visitors
   1.1 Approval of Agenda
   1.2 Approval of Past Meeting Minutes
   1.3 Amendments to the Agenda

2. Status of Specification Activities
   2.1 Updates

BACKGROUND: TCSC members are assigned as liaisons to ACI committees known to be working on a specification. Liaisons are responsible for providing guidance on format and style to the specification writing committee. Liaisons have been given access to the committee’s website and ballots. In addition, these committees are asked to provide representation to TCSC and are appointed as associate members of TCSC.

<table>
<thead>
<tr>
<th>Committee</th>
<th>TCSC Liaison*</th>
<th>Committee Representative</th>
</tr>
</thead>
<tbody>
<tr>
<td>117</td>
<td>Bruce Suprenant (M)</td>
<td>same</td>
</tr>
<tr>
<td>301</td>
<td>Jim Cornell (M)</td>
<td>same</td>
</tr>
<tr>
<td>305</td>
<td>Jim Cornell (M)</td>
<td>same</td>
</tr>
<tr>
<td>306</td>
<td>Charles Hanskat</td>
<td>none</td>
</tr>
<tr>
<td>308</td>
<td>Aimee Pergalsky (M)</td>
<td>David Suchorski</td>
</tr>
<tr>
<td>310</td>
<td>Ed Ulrich</td>
<td>none</td>
</tr>
<tr>
<td>311</td>
<td>Al Kaufman</td>
<td>Claude Jaycox</td>
</tr>
<tr>
<td>327</td>
<td>Michael Sprinkel</td>
<td>Wayne Adaska</td>
</tr>
<tr>
<td>330</td>
<td>Mike Stenko</td>
<td>Robert Varner</td>
</tr>
<tr>
<td>336</td>
<td>Ed Ulrich (M)</td>
<td>same</td>
</tr>
<tr>
<td>350</td>
<td>Jon Ardahl (M)</td>
<td>same</td>
</tr>
<tr>
<td>351</td>
<td>Pericles Stivaros</td>
<td>none</td>
</tr>
<tr>
<td>423</td>
<td>Charles Hanskat</td>
<td>James Rogers</td>
</tr>
<tr>
<td>440</td>
<td>Nick Carino</td>
<td>none</td>
</tr>
<tr>
<td>506</td>
<td>Charles Hanskat (M)</td>
<td>same</td>
</tr>
<tr>
<td>522</td>
<td>Aimee Pergalsky (AM)</td>
<td>Dale Fisher</td>
</tr>
<tr>
<td>548</td>
<td>Michael Stenko (M)</td>
<td>same</td>
</tr>
<tr>
<td>563</td>
<td>Michael Sprinkel (M)</td>
<td>same</td>
</tr>
</tbody>
</table>

* (M) denotes member of committee being supported. (AM) denotes associated member of committee being supported.

ACTION: TCSC Liaison and Associate Members are asked to report on their respective committees’ activities and discuss any actions required of TCSC. Attachment 2.1, ACI Specification Activity, has been updated on October 6, 2017, according to ACI staff records for TCSC reference.
3. **Technical Committee Manual (TCM)**

3.1 **TCM Ballot**

**REPORT:** At the meeting in Detroit, TCSC approved the following underlined modifications to the 2016 TCM Section 6.2.6.1:

6.2.6 *Description of Part I, General*
6.2.6.1 *Scope*

The scope provides a short statement that describes the specification’s application. A single-item specification whose content overlaps the scope of ACI 301, ACI 350.5, or ACI 530.1 may be referenced in Contract Documents that refer to these general specifications. In such cases, Contract Documents should state clearly that requirements of the single-item specification govern with respect to the topic covered by single-item specification. ACI construction specifications are written to be applicable to different types of projects. As a result, the specification may include requirements that are not applicable to a specific project. A statement in the scope informs the Contractor that provisions not applicable to the Work are to be ignored. The specification should clarify its relationship to the Contract Documents and referenced standards. The following is preferred wording for the Scope of construction specifications:

On June 16, 2017, TCSC was balloted regarding three additional changes to the TCM. The ballot items are shown in Attachment 3.1a. The ballot passed.

Item 1 received one negative by Ardahl. His negative is shown in Attachment 3.1b.

Item 2 received comments from Ardahl and Sprinkel. Ardahl’s comment is shown in Attachment 3.1b. Sprinkel’s comments were:
- page 1 line 7 E: add as before an
- page 1 line 19 E: is mood the best word? What about as indicated in section 6.3
- page 2 line 22 E: is underground the correct word? If so how would you spray an underground surface?

Item 3 received no comments.

**ACTION:** TCSC will discuss resolution of the negative votes and comments.

3.2 **Guide for Specifying**

**REPORT:** A task group (Tipping, Carino, and Ardahl) was formed to write a section for the TCM that would provide information on how to write a guide to writing a specification. ACI currently has such a guide document titled, “Guide for Specifying Underground Shotcrete (ACI 506.5R).” A copy of ACI 506.2R is available on the TCSC website in the Correspondence folder.

At the Detroit meeting, Carino presented proposed text for a new section 6.5 of the TCM titled “Guide for Specifying Concrete Construction.” This text is shown in the Detroit meeting minutes. Carino was asked to revise the text and submit it to Chair Suprenant for letter ballot by the committee.
ACTION: The task group is asked to report.

Chair Suprenant was asked to investigate the origins of TCM Section 6.2.8.1, as there appears to be information missing from this section. He was also asked to review the definition of “submittal” found on TCM page 36 and compare it to the definition in other ACI documents. The information will be passed to TCSC and then on to Committee 132 and CCT for input.

ACTION: Chair Suprenant is asked to report.

4. Requests for New Specifications and review of specifications to TAC

REPORT: No new requests for specifications have been submitted since the last meeting. The new ACI 563, “Specifications for Repair of Structural Concrete in Buildings,” was reviewed by TAC at the Summer 2017 TAC Meeting in Detroit. A revision of ACI 440.5, “Specification for Construction with Fiber-Reinforced Polymer Reinforcing Bars” was reviewed by TAC for the Fall 2017 Convention.

ACTION: This item is for information only.

5. ACI Committee E707

REPORT: The education committee, E707, Specification Education, meets on Tuesday, Oct. 17, from 11:30a to 1:00p, in Room D-Congo.

ACTION: A representative from the E707 is asked to report on their meeting.


REPORT: A task group consisting of Suprenant, Hanskat, and Ardahl was formed to write a short document providing guidance on using ACI reference specifications.

ACTION: Chair Suprenant is asked to report.

7. Significant Digits

REPORT: In Detroit, Chair Suprenant requested that the committee members review ASTM E29, “Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications.” with an eye toward acceptance for specification compliance and determine if any guidance should be given to ACI specification writing committees.

ACTION: TCSC will discuss any suggestions for committee guidance.

8. Definition of the term “Construction Documents”

REPORT: In Detroit, Cornell informed TCSC that ACI 318-14 Chapter 26, Construction Documents and Inspection, uses a new term “construction documents.” The term is defined in ACI 318 as “written and graphic documents and specifications prepared or assembled for describing the location, design, materials, and physical characteristics of the elements of a project necessary for obtaining a building permit and construction of the project.” Cornell questioned whether this term needs to be defined in ACI specifications. Chair Suprenant was asked to gather information about the definition of “Construction Documents” in ACI, CSI and other locations and report back to the committee.
ACTION: Chair Suprenant is asked to report

9. New Business

TCSC will consider new business items as time permits.

10. Adjournment

Attachments:

2.1 — ACI Specifications Activity
3.1a — June Ballot Items on TCM changes
3.1b — Ardahl negative
### Attachment 2.1

#### ACI SPECIFICATIONS ACTIVITY

(Updated Oct. 6, 2017)

<table>
<thead>
<tr>
<th>Committee</th>
<th>Specification</th>
<th>Document Number</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Specification for Tolerances for Precast Concrete</td>
<td>ITG 7-09</td>
<td>Will become a chapter in the next ACI 117. Expires in Spring 2017.</td>
</tr>
<tr>
<td>301 – Specifications for Concrete</td>
<td>Specifications for Structural Concrete</td>
<td>301-16</td>
<td>Completed in 2016. Expires in Summer 2024.</td>
</tr>
<tr>
<td>305 – Hot Weather Concreting</td>
<td>Specification for Hot Weather Concreting</td>
<td>305.1-14</td>
<td>Recently finished; Expires in Fall 2022.</td>
</tr>
<tr>
<td>308 – Curing Concrete</td>
<td>Specification for Curing Concrete</td>
<td>308.1-11</td>
<td>Expected to TAC summer 2018; Expires in Summer 2019.</td>
</tr>
<tr>
<td>310 – Decorative Concrete</td>
<td>Specification for Polishing Finishes</td>
<td>New</td>
<td>Ulrich has been active in assisting the committee.</td>
</tr>
<tr>
<td>311 – Inspection of Concrete</td>
<td>Specification for Ready-Mixed Concrete Testing Services</td>
<td>311.6-09</td>
<td>Responding to Public comment. Expires in Fall 2017.</td>
</tr>
<tr>
<td></td>
<td>Inspection Services Specification for Cast-in-Place Concrete Construction</td>
<td>311.7-14</td>
<td>Responding to Public comment. Expires in Summer 2022.</td>
</tr>
<tr>
<td>330 – Concrete Parking Lots and Site Paving</td>
<td>Specification for Unreinforced Concrete Parking Lots</td>
<td>330.1-14</td>
<td>Recently finished; Expires in Fall 2022.</td>
</tr>
<tr>
<td>336 – Footings, Mats, and Drilled Piers</td>
<td>Specification for the Construction of Drilled Piers</td>
<td>336.1-01</td>
<td>Past expiration. According to their spring 2016 minutes, the draft is ready for ballot pending input from ADSC Drilled Shaft Committee. Expired in Fall 2009.</td>
</tr>
<tr>
<td></td>
<td>Specifications for Environmental Concrete Structures</td>
<td>350.5-12</td>
<td>Expires in Spring 2020.</td>
</tr>
<tr>
<td>351 – Foundations for Equipment and Machinery</td>
<td>Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases</td>
<td>351.4-14</td>
<td>Recently finished; Expires in Spring 2022.</td>
</tr>
<tr>
<td></td>
<td>Specification for Installation of Epoxy Grout between Foundations and Equipment Bases.</td>
<td>351.5-15</td>
<td>Recently finished; Expires in Spring 2023.</td>
</tr>
<tr>
<td>Committee</td>
<td>Specification</td>
<td>Document Number</td>
<td>Status</td>
</tr>
<tr>
<td>---------------------------------</td>
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<td>--------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>423 – Prestressed Concrete</td>
<td>Specification for Unbonded Single-Strand Tendon Materials</td>
<td>423.7-14</td>
<td>Recently finished, working on adding performance criteria; Expires in Fall 2022.</td>
</tr>
<tr>
<td>440 – Fiber Reinforced Polymer Reinforcement</td>
<td>Specification for Construction with Fiber-Reinforced Polymer Reinforcing Bars</td>
<td>440.5-08</td>
<td>TAC review Fall 2017; Expired in Summer 2016.</td>
</tr>
<tr>
<td></td>
<td>Specification for Carbon and Glass Fiber-Reinforced Polymer Bar Materials for Concrete Reinforcement</td>
<td>440.6-08</td>
<td>This specification is being moved to ASTM D30.10. It is WK43339. ASTM D30.10 Committee working on ballot resolutions. Expired in Summer 2016.</td>
</tr>
<tr>
<td>522 – Pervious Concrete</td>
<td>Specification for Pervious Concrete Pavement</td>
<td>522.1-13</td>
<td>Recently finished; Expires in Summer 2021.</td>
</tr>
<tr>
<td>548 – Polymers and Adhesives in Concrete</td>
<td>Specification for Latex-Modified Concrete Overlays</td>
<td>548.4-11</td>
<td>No activity; Expires in Spring 2019.</td>
</tr>
<tr>
<td></td>
<td>Specification for Type EM (Epoxy Multi-Layer) Polymer Overlay for Bridge and Parking Garage Decks</td>
<td>548.8-07</td>
<td>Committee responding to TAC comments; Expires in Fall 2015.</td>
</tr>
<tr>
<td></td>
<td>Specification for Type ES (Epoxy Slurry) Polymer Overlay for Bridge and Parking Garage Decks</td>
<td>548.9-08</td>
<td>No activity; Expires in Summer 2016.</td>
</tr>
<tr>
<td></td>
<td>Specification for Type MMS (Methyl Methacrylate Slurry) Polymer Overlays for Bridge and Parking Garage Decks</td>
<td>548.10-10</td>
<td>Should be to TAC soon; Expires in Summer 2018.</td>
</tr>
<tr>
<td></td>
<td>Specification for Bonding Hardened Concrete and Steel to Hardened Concrete with an Epoxy Adhesive</td>
<td>548.12-12 (503.1)</td>
<td>Recently finished; Expires in Spring 2020.</td>
</tr>
<tr>
<td>Committee</td>
<td>Specification</td>
<td>Document Number</td>
<td>Status</td>
</tr>
<tr>
<td>------------</td>
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</tr>
<tr>
<td></td>
<td>Specification for Bonding Fresh Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive</td>
<td>548.13-14 (503.2)</td>
<td>Recently finished; Expires in Fall 2021.</td>
</tr>
<tr>
<td></td>
<td>Standard Specification for Producing a Skid Resistant Surface on Concrete by the Use of a Multi-Component Epoxy System</td>
<td>503.3-10</td>
<td>No activity; Expires in Fall 2018.</td>
</tr>
<tr>
<td></td>
<td>Standard Specification for Repairing Concrete with Epoxy Mortars</td>
<td>548.14-14 (503.4-92)</td>
<td>Recently finished; Expires in Spring 2022.</td>
</tr>
<tr>
<td></td>
<td>Specification for Crack Repair by Epoxy Injection</td>
<td>503.7-07</td>
<td>No activity; Expired in Summer 2015.</td>
</tr>
<tr>
<td>563 – Specifications for Repair of Structural Concrete in Buildings</td>
<td>Specification for Repair of Existing Structural Concrete</td>
<td>New</td>
<td>Responding to TAC comments</td>
</tr>
</tbody>
</table>
Attachment 3.1a

**Item 1:** Add section 6.4.3 *Reference to other ACI Specifications*

**Rationale:** The last paragraph of 6.1-General states that it is permitted to refer to another ACI specification. Because the referenced specification may not have all of the needed default requirements, additional discussion is needed. The Contractor needs to be aware that the Contract Documents may contain additional requirements related to the referenced specification. The specifier needs to be informed that the mandatory requirements checklist of the referenced specification needs to be reviewed and missing information has to be included in the Contract Documents. In addition, a construction specification should be permitted to refer to Sections of a multi-item specification provided the necessary mandatory checklist items for the referenced sections are addressed. The proposed change revises the last paragraph of 6.1, adds a new section 6.4.3, and revises the General Notes under Notes to Specifier.

******Start Item 1******

1. 6.1—General
2. ....
3. Reference to other ACI construction specifications is allowed in an ACI specification is allowed, such as tolerances (ACI 117). Refer to 6.4.3 for additional guidance.
4. ******New text follows******
5. 6.4.3 *Reference to other ACI construction specifications*
6. 6.4.3.1 *Referencing entire specification*
7. A construction specification (the main specification) may refer to other ACI construction
8. specifications (referenced specification). The committee, however, should review carefully the
9. referenced specification to avoid having missing, redundant, or conflicting provisions. Because most
10. ACI construction specifications do not have default requirements for all products or procedures
11. needed to complete the Work, information required to make the referenced specification complete
12. must be provided in the Contract Documents. In addition, the Contractor needs to be aware that the
13. Specifier referencing ACI construction specifications may include supplementary requirements in the
14. Contract Documents corresponding to the checklist items in the referenced ACI construction
15. specification. Language similar to the following should be used if the specification refers to another
16. ACI construction specification: "(Insert scope of work) shall be accordance with ACI XXX including
17. supplementary requirements indicated in Contract Documents;" for example, "Concrete construction
18. during hot weather shall be in accordance with ACI 305.1 including supplementary requirements
19. indicated in Contract Documents."
Attachment 3.1a

21 The provision that refers to another ACI construction specification should have a corresponding
22 entry in the mandatory requirements checklist that instructs the specifier to review both the
23 mandatory and optional requirements checklists of the referenced specification and provide the
24 necessary information or requirements in the Contract Documents. The following is an example of
25 the language to be included in the mandatory requirements checklist: "Review the mandatory and
26 optional requirements checklists in the Notes to Specifier of ACI XXX and provide the necessary
27 requirements in the Contract Documents.
28
29 If the referenced specification has requirements that conflict with the main specification, the main
30 specification should state that its provisions govern in case of conflicts with the referenced
31 specification. An example of the language to use is: "Provisions of this Specification shall govern if
32 there are conflicts with ACI XXX."
33
34.4.3.2 Referencing sections of multi-item specifications
35 A construction specification may refer to applicable sections of another multi-item specification.
36 The same principles discussed in 6.4.3.1 apply. The specifier will need to review the entries in the
37 mandatory and optional requirements checklist that pertain to the referenced sections and provide
38 missing information in the Contract documents. Language similar to the following should be used in
39 the specification that refers to sections of a multi-item ACI construction specification: "Requirements
40 for (insert scope of work) shall be in accordance with Sections x, y, and z of ACI XXX including
41 supplementary requirements indicated in Contract Documents;" for example, "Requirements for
42 formwork, reinforcement, concrete materials, concrete production, and construction of cast-in-place
43 concrete shall be in accordance with Sections 1, 2, 3, 4, and 5 of ACI 301 including supplementary
44 requirements indicated in Contract Documents." The provision that refers to sections of a multi-item
45 ACI construction specification should have a corresponding entry in the mandatory requirements
46 checklist that instructs the specifier to review the mandatory and optional requirements checklists
47 pertaining to those sections in the referenced specification and provide the necessary information or
48 requirements in the Contract Documents. The following is an example of the language to be included
49 in the mandatory requirements checklist: "Review the items in the mandatory and optional
50 requirements checklist in the Notes to Specifier of ACI XXX that apply to the referenced sections of
51 ACI XXX and provide the necessary requirements in the Contract Documents."
52 Care is required if referring to sections of another ACI construction specification. The committee
53 needs to understand the content of the referenced sections to avoid having missing, redundant, or
conflicting provisions in the committee's specification. In some ACI multi-item specifications, there may be specialty sections that invoke general sections of the specification. For example, Section 6 of ACI 301 on architectural concrete invokes Sections 1 through 5 of ACI 301. Thus, if a construction specification were to refer to the provisions for architectural concrete in ACI 301, the recommended wording is: "Requirements for cast-in-place architectural concrete shall be in accordance with Sections 1 through 6 of ACI 301 including supplementary requirements indicated in Contract Documents.”

*****Revisions in Notes to Specifier*****

General notes

G1. ACI Specification XXX is to be used by reference or incorporation in its entirety in the Project Specification. Do not copy individual sections, parts, articles, or paragraphs into the Project Specification because taking them out of context may change their meaning.

G2. If sections or parts of ACI Specification XXX are copied into the Project Specification or any other document, do not refer to them as an ACI specification, because the specification has been altered.

G3. A statement such as the following will serve to make ACI Specification XXX a part of the Project Specification:

“Work on (Project Title) shall conform to all requirements of ACI (Specification number with date suffix and title) published by the American Concrete Institute, Farmington Hills, Michigan, except as modified by these Contract Documents.”

G4. Each technical section of ACI Specification XXX is written in the three-part section format of the Construction Specifications Institute, as adapted for ACI requirements. The language is imperative and terse.

G5. If ACI Specification XXX is used referenced in Contract Documents along with another ACI specification that contains overlapping provisions, identify which requirements are in conflict and state in Contract Documents which requirements control/govern.

**********End Item 1**********
Attachment 3.1a

Item 2: Add 6.5 Guide for Specifying Concrete Construction

Rationale: For many years, the Committee has talked about adding a section on writing a guide for writing a specification for some aspect of concrete construction for which it is difficult to write an ACI construction specification.

*****Start Item 2 - New text*****

6.5—Guide for Specifying Concrete Construction

There may be cases where a Committee decides that it is not possible to write a reference construction specification that would have general applicability. This may occur if the construction activity to be covered by the specification is complex and the requirements may be based on site-specific conditions. In such cases, the Committee may decide to write a guide for writing a project-specific specification for a particular aspect of concrete construction. The resulting document would not be published an ACI standard but would be developed as a guide in accordance with Chapter 7. The document would be titled "Guide for Specifying (enter topic covered)." An example is ACI 506.5R. "Guide for Specifying Underground Shotcrete." Such guides should not be referenced in Contract Documents. The specifier must include in the Contract Documents the provisions recommended in the Guide.

6.5.1 Format

There is no rigid format for writing this type of guide. In general, the guide may contain technical discussion on the factors to be considered in specifying the requirements for a particular construction activity. The discussion would be followed by a guide specification in two-column format, with the left column providing the recommended specification text and the right column providing notes to the specifier. The content of the guide specification should follow the general three-part format discussed in 6.2. The recommended specification text should be written in terse mandatory language using the imperative mood as discussed in 6.3. The following examples of the content of the guide specification are taken from ACI 506.5R.

<table>
<thead>
<tr>
<th>Recommended specification</th>
<th>Notes to Specifier</th>
</tr>
</thead>
</table>
| Submit proposed methods for mixing, conveying, finishing, curing, and testing along with a list of proposed equipment for each task. | Consider these additional submittals:  
  • The shotcrete placement plan; and  
  • Specific provisions to cure and protect in-place shotcrete. |
<p>| Cement shall conform to ASTM C150 or be of the type specified by the owner.                | Usually a Type I, II, or III cement is specified, but other types may be specified under certain |</p>
<table>
<thead>
<tr>
<th>For mixtures volume-batched on site, check aggregate moisture content and mixture proportions at the frequency specified by the engineer.</th>
<th>The suggested frequency is daily unless moisture content obviously has not changed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shotcrete that is nonconforming shall be removed and replaced by the contractor. Alternatively, if approved by the owner, additional shotcrete shall be applied.</td>
<td>If the project QA organizations determine to accept the shotcrete “as-is,” no further remedial action will be necessary.</td>
</tr>
<tr>
<td>Natural curing is allowed only if the underground environmental conditions are satisfactory, such as when the relative humidity is above 85%.</td>
<td>In the case of natural curing, an 85% relative-humidity condition is not by itself sufficient and may need to be augmented by spraying water on the finished shotcrete. Extremes of heat, cold, or excessive evaporation and dry-out due to airflow should always be avoided.</td>
</tr>
</tbody>
</table>

**********End of Item 2**********
Item 3: Add additional text to 6.4.1

Rationale: Section 6.4 deals with referencing standards developed by other organizations. It is implied that referenced standards are written in mandatory language and that they be authored by a committee “under a consensus process.” It is felt that more guidance is needed on the requirements for the organizations that produce referenced standards. It proposed that the referenced standards have to be developed by an ANSI accredited standards development body.

******Start of Item 3*******

6.4—Referenced standards

6.4.1 Standards in specification text

ACI construction specifications often refer to standards developed by other organizations. There are two key requirements for such referenced standards. The standard has to be written in mandatory language and it has to have been developed by an ANSI-accredited standards developer (refer to Chapter 4 and www.ansi.org). Such accreditation ensures that the standard was developed in accordance with an ANSI-approved written procedure that meets requirements for openness, balance of interest, consensus, and due process. ANSI accreditation also ensures that standards will be reviewed on a regular basis to keep up with changes in accepted practice and technology. The committee is responsible for verifying that referenced standards are written in mandatory language and that they were developed by ANSI-accredited standards bodies.

Standards that are written in mandatory language and referenced in the specification are considered Referenced standards, which are listed in Part 1 of a single-item specification and in Section 1 of a multi-item specification. Include the full title and year designation in the list of referenced standards. It is preferred to use the latest version of referenced standards unless there is a reason not to. Do not indicate the year of the standard where the standard is mentioned in the text of the specification. Organize referenced standards according to the standards-producing organization and list the organizations in alphabetical order.

EXAMPLE

1.4.1 American Concrete Institute
ACI 117-10—Specification for Tolerances for Concrete Construction and Materials

1.4.2 ASTM International
ASTM C39/C39M-09—Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

It is preferred that all cited standards be authored by a committee under a consensus process.
Attachment 3.1a

It is acceptable for an ACI specification to modify an ASTM specification for a specific requirement.

EXAMPLE
Use fine aggregates conforming to ASTM C404, Size No. 2, except that all materials shall pass the No. 16 sieve.

If an ACI specification refers to combined ASTM standards, include the following provision in the interpretation article: “Unless otherwise stated, the inch-pound system [or metric, whichever is applicable] of units is applicable to combined standards referenced in this Specification.” Provisions should include the complete designation of a combined standard.

***End Item 3*****
ACI COMMITTEE CORRESPONDENCE

To: ACI 90-05 Ballot
From: Jon B. Ardahl
Subject: Ballot Comments

Ballot Item 1  NEGATIVE
Delete the term “the main specification” which is not needed nor is it defined.

Revise the wording in line 8 to read as follows:
  An ACI construction specification may refer

In line 17 add the word “in” between ‘shall be’ and ‘accordance’ …

In lines 28 and 29 revise the wording to read as follows:
  ‘that conflict with the ACI construction specification, the ACI construction
  specification should state …’

First cap the word ‘Documents’.

Ballot Item 2  Affirmative with editorial comment
In line 7 add the word ‘as’ before an ACI …. 

Ballot Item 3  Approved

Please call me at (785) 887-9991 if there are any questions. Replies may be sent by email to “jonbardahl@gmail.com".