



Agenda

TAC Specifications Committee

7:00 to 10:00 a.m.
 Wednesday, October 31, 2001
 Milan Room
 Dallas Wyndham Anatole Hotel

Voting Members:

Nicholas J. Carino, Chairman

Todd R. Watson, Secretary (Non-voting)

Jon B. Ardahl

William L. Barringer

William C. Bretnall

Jeffrey W. Coleman

I. Leon Glassgold

Ronald L. Hollrah

Alfred L. Kaufman, Jr.

W. Calvin McCall

Myles A. Murray

Aimee Pergalsky

Arthur T. Weiss, Jr.

Associate Members:

Clifford Gordon

Kenneth Kazanis

Robert Ryan

Edward Sauter

Michael Stenko

TAC Contact: Nicholas J. Carino

1. Call to Order and Introduction of Members and Visitors

A roster of the TSC membership is attached as Exhibit 1.

1.1 Approval of Minutes

ACTION: Are the TSC minutes from the Spring 2001 meeting in Philadelphia approved?

2. Revision of *ACI Specification Manual*

Proposed changes to the 2000 *ACI Specification Manual* were discussed at the Toronto meeting as documented in the meeting minutes. Members sent further proposed revisions to Art Weiss by January 15, 2001, who prepared a revised draft using the redline/strikeout format. The proposed revisions were included as Exhibit 2 of the Philadelphia agenda. In Philadelphia, TSC reviewed the proposed changes.

Additional issues were discussed but not resolved and will need to be discussed further in Dallas. They were:

- Should it be stated explicitly that Guide Specifications should not contain default requirements so that if they are inadvertently referenced there would be no requirements?
- There is a conflict between "Foreword" and "Preface" as recommended in the Manual and in ACI 301. Since 301 is used as the example specification, it is confusing. Which is correct?

- Can ACI 116R be referenced in a Specification? ASTM Terminology standards are referenced in ASTM standards.
- Section 5.3.11 needs to be looked at more carefully. Should TSC be enforcing this prohibition? If so, more guidance is needed on why these types of phrases should not be used. We should also consider adding that the need for this type of phrasing indicates that the item should be included in the optional checklist.
- Should we try to develop a more structured format for the optional requirements checklist? ACI 301 is considering the following:
 - Statement of requirement
 - Guidance to specifier
 - References
- Should specifications include commentaries (current wording of the *Specification Manual* permits a commentary)?

REPORT: Chairman Carinow will lead the discussion on the unresolved issues listed above. Staff is asked to report on the results of the TSC ballot of proposed changes to the *ACI Specification Manual* that closed on October 19, 2001.

ACTION: Is there a need for an additional TSC ballot as a result of the issues discussed?

3. TSC Membership and Status of Specifications

At the Toronto meeting, liaison assignments were made to ACI committees known to be working or planning to work on a specification. Associate members are still needed from some of the committees. Exhibit 3 is an updated database of ACI specification activities and membership assignments.

Note that some ACI Specifications are titled “Standard Specifications for ...” which conflicts with the *Specification Manual*.

- REPORT:**
1. Staff has contacted the chairmen of ACI Committee 117, 303, and 336 about getting a recommendation for an associate TSC member from those committees. The chairmen of ACI Committee 117, 303, and 336 have informed staff that they will discuss the issue of recommending an associate TSC member from their committee at the Dallas meeting of their committee. Dan Dorfmueller, Chairman of ACI Committee 303 mentioned that he is planning on attending as the representative from 303 for this meeting. Thus, he would also be present for the discussion of conflicts within specifications (See Item 7). Additionally, since Charles Dolan is no longer on TSC, there needs to be an associate member appointed to TSC from ACI Committee 423. Staff contacted Bruce Russell, Chairman of ACI Committee 423, to ask him to discuss this at the 423 meeting in Dallas, which he agreed to do.
 2. TSC liaison members will provide updates of specification activities.

ACTION: Are there ACI members with expertise in specification writing that should be asked to join TSC?

4. TSC Operations

At the Toronto meeting there was discussion of procedures for the operation of TSC and review of committee specifications. Chairman Carino submitted the proposed procedures, which are documented in the meeting minutes, for TAC approval at the Philadelphia meeting.

In addition, TSC discussed a proposed new mission statement, which includes the addition “and manage specification development for the Institute.” The revised mission was submitted to TAC for approval at the Philadelphia meeting.

At the Philadelphia meeting, Chairman Carino reported that TAC approved the revised mission, operating procedures, and suggested changes to the *ACI Technical Committee Manual*.

REPORT: Chairman Carino will report on actions taken at the TAC meeting earlier in the week.

5. Specification Review

Currently there are two specifications that are being reviewed by members of TSC.

Chairman Carino, Aimee Pergalsky, and Arthur Weiss are reviewing ACI Committee 503’s “Crack Repair by Epoxy Injection” specification. This specification was previously submitted to TAC and not approved.

Chairman Carino is also reviewing ACI Committee 548’s specification on “Type EM Polymer Concrete Overlays”.

REPORT: Secretary Watson contacted Thomas Downs, the chairman of ACI 117, about the issue of figures in the ACI 117 specification. Chairman Downs indicated that the figure in the ACI 117 specification could be moved to the commentary and/or the information could be converted into a table format. See Agenda Item 12.1 for the discussion of the use of graphics in ACI specifications.

ACTION: Is any further action required by TSC?

6. Planning

Proposed short-term goals for 2001 were:

- Ballot revision of the *ACI Specification Manual*
- Complete assignment of associate members
- Continue development of materials for Specification Training Workshop
- Continue to update ACI Specification database

ACTION: No action required at this time. Goals for 2002 will be discussed at the Spring 2002 meeting.

7. Conflicts in ACI Specifications

TAC has delegated to TSC the authority to manage specification development by the Institute. According to the TSC procedures discussed in Item 4, this involves these activities:

- Review committee requests to begin the development of new specifications;
- Identify needs for new specifications; and
- Eliminate conflicts among ACI Specifications.

Revisions to the *TCM* and *Specification Manual* will put into effect the procedure that should be followed by ACI committees before beginning work on specifications.

The implementation of the third activity requires the development of a plan for identifying and removing conflicts. Members are asked to suggest ideas on how conflicts are to be identified and reconciled.

On the issue of conflicts in ACI Specifications, Dan Dorfmueller, chairman of ACI Committee 303, wrote a letter to Managing Director of Engineering Dan Falconer expressing a recommendation from ACI Committee 303 that Chapter 6 of the ACI 301 specification be eliminated and instead have the ACI 301 specification just refer to the ACI 303 specification for Architectural Concrete. In response, Calvin McCall, chairman of ACI Committee 301, wrote a letter expressing why this should not occur. Finally, Dorfmueller wrote a response to McCall's letter again expressing the recommendation from ACI Committee 303 and their reasoning. This situation illustrates the type of conflict in ACI specifications that TSC is meant to manage. The letters are included as exhibits 7.1, 7.2, and 7.3.

ACTION: Should a task group be appointed to develop a draft plan? How should TSC identify conflicts in ACI Specifications and how should TSC go about fixing any conflicts found?

8. New Specifications

8.1 Environmental Engineering Concrete Structures

ACI Committee 350 has been working on a draft specification for environmental engineering concrete structures. Charles Hanskat, chairman of ACI Committee 350, has recently asked TAC to consider creating a new committee to create/finish this specification (see exhibit 8.1). A representative of the committee (or Jon Ardhal) is asked to update TSC on the status of the draft specification and to explain why Committee 350 feels that a separate ACI 350 specification is needed rather than using the ACI 301 specification with some possible modifications for environmental engineering concrete structures.

REPORT: Staff contacted Charles Hanskat and asked him for a draft of the 350 specification. Staff will bring a copy of the draft to the Dallas meeting if it is received prior to the Dallas convention.

ACTION: Does TSC feel there is a need for a separate ACI 350 specification?

9. Computerization of Specifications

ACI Staff and ACI 301 Chairman McCall have been discussing the idea of preparing an "active" computer-based specification that can be tailored to a specific project and included directly in the

project specifications.

REPORT: ACI 301 Chairman McCall is asked to report.

ACTION: What role can TSC play in developing such a product? Should this item be included in future agenda?

10. Workshop on Specification Writing

At the San Diego (March 2000) meeting, Art Weiss proposed the development of presentation materials for a training workshop on writing specifications. Chairman Carino asked Mr. Weiss to prepare an outline of the workshop for discussion at the Philadelphia meeting.

Weiss gave a handout in Philadelphia showing a draft outline of the session and a PowerPoint example of the presentation, which will focus on how to write an ACI specification and discuss briefly how it relates to a project specification. Weiss said he could have the program ready for distribution to TSC in July so it can be finalized in Dallas. He will ask for volunteers in the summer to handle the various sections. Each section will be about 15 - 20 minutes long. TSC associate members and committee Chairs will be asked to attend. Another session moderator in addition to Weiss, who will attend training in Dallas, is needed.

REPORT: Weiss is asked to report on the status of the planning for this workshop.

ACTION: When should the workshop be held and who will work with Mr. Weiss to develop the final presentation material?

11. CI Article

At the 1999 Fall Convention, Aimee Pergalsky agreed to write a short article ("press release") for *Concrete International* about the TSC rules and mission.

Aimee Pergalsky reported at the Philadelphia meeting that she would submit the article after the new *ACI Specification Manual* is published. The article will include information on: TSC's mission and goals;; TSC operations; balance of committee memberships; the procedures committees must follow in developing a specification, such as a proposal to TAC that will be reviewed by TSC, liaison memberships with TSC, and reporting progress to TSC; and types of specifications.

REPORT: Pergalsky is asked to provide any additional information.

ACTION: When will a draft of the article be prepared and who will assist in reviewing it?

12. New Business**12.1 Graphics in ACI Specifications**

At the Philadelphia meeting, ACI Committee 305's "Specification for Hot Weather Concreting" was discussed. The 305 specification had problems in its checklist, so Carino felt that either the *ACI Specification Manual* isn't clear enough or the committee hadn't reviewed it. The manual (article 5.1.2) explicitly states not to include graphics in a specification, but the proposed specification references a nomograph from the ACI 305R document.

During the discussion, Secretary Watson stated that the ACI 117 specification has the same problem of figures in the specification they are revising. Watson was to ask the committee for a copy of the draft of the revised specification, then Chair Carino will assign a TSC member to review it while the committee is finishing the commentary.

REPORT: Secretary Watson contacted Thomas Downs, the chairman of ACI 117, about the issue of figures in the ACI 117 specification. Chairman Downs indicated that the figure in the ACI 117 specification could be moved to the commentary and/or the information could be converted into a table format. Chair Carino discussed the use of a nomograph in the Committee 305 specification with a member of ACI 305, and it was agreed that the committee has a real need to include a graph because it is necessary to define conditions corresponding to "hot weather."

ACTION: Does TSC wish to reconsider the prohibition of graphics in ACI Specifications?

13. Next Meeting

Unless there is an objection, the next TSC meeting time will be requested for Wednesday morning at the Detroit convention.

14. Adjournment

Exhibit 1

TSC ROSTER, October 11, 2001

Nicholas J. Carino, Chairman
Todd R. Watson, Secretary

Voting Members:

Jon B. Ardahl
William L. Barringer
William C. Bretnall
Jeffrey W. Coleman
I. Leon Glassgold
Ronald L. Hollrah
Alfred L. Kaufman, Jr.
W. Calvin McCall
Myles A. Murray
Aimee Pergalsky
Arthur T. Weiss, Jr.

Associate Members

Clifford Gordon
Kenneth G. Kazanis (330)
Robert J. Ryan (305, 306)
Ed Sauter (551)
Michael S. Stenko (548)

TAC Contact

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TAC Chairman:

Charles W. Dolan
(email cdolan@uwyo.edu)

TAC Secretary

Daniel W. Falconer
(email dfalconer@aci-int.org)

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Exhibit 3

Comm. No.	Title	Specification	Status	Comment/ Action	TSC Liaison	Nonvoting TSC Members
117	Tolerances	Standard Specifications for Tolerances for Concrete Construction and Materials	117-90	Spec done. Revising commentary.	Murray	
301	Specifications for Concrete	Specifications for Structural Concrete	301-99	Incorporating 318 changes.	Ardhal (M)*	Not needed
303	Architectural CIP Concrete	Standard Specification for Cast-in-Place Architectural Concrete	303.1-97	Conflicts w/301 need to be reviewed	Kaufman	
305	Hot Weather Concreting	Standard Specification for Hot Weather Concreting	Draft 12	To TAC 3/01. Not approved.	Pergalsky	Ryan
306	Cold Weather Concreting	Standard Specification for Cold Weather Concreting	306.1-90	No action on Spec.	Pergalsky	Ryan
308	Curing Concrete	Standard Specification for Curing Concrete	308.1-98	Planning new Specs. Need TAC approval of request	Pergalsky (M)	Not needed
330	Concrete Parking Lots and Site Paving	Standard Specification for Plain Concrete Parking Lots	330.1-94	Revision approved 3/00; Final format review by AW&NC	Weiss	Kazanis
336	Footings, Mats, and Drilled Piers	Reference Specification for Construction of Drilled Piers	336.1-98	Revision approved 7/00 Public discussion 2/1-5/1/01. Will wrap-up in Dallas	Weiss	

Comm. No.	Title	Specification	Status	Comment/ Action	TSC Liaison	Nonvoting TSC Members
346	CIP Pipe	Standard Specification for Cast-in-Place Nonreinforced Concrete Pipe	346-90 R97	revision approved 10/99 Public discussion 4/1-7/1/01. No public comments rec'd. Sent to printer.	Kaufman (M)	Not needed
347	Formwork for Concrete	(specification on formwork)	Planning	Need request to TAC; committee balance		
350	Environmental Structures	(specification on environmental engineering concrete structures)	In preparation	Request to TAC not done. On TSC Agenda	Ardahl (M)	Not needed
423	Prestressed Concrete	Specification for Unbonded Single Strand Tendons	In preparation	TAC approved 2/01. Public discussion 5/1-8/1/01. Will wrap up in Dallas.		
503	Adhesives in Concrete	Standard Specification for Bonding Concrete, Steel, Brick and Other Materials to Hardened Concrete with a Multi-Component Epoxy Adhesive	503.1-92 R97		Murray (M)	Not needed
		Standard Specification for Bonding Plastic Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive	503.2-92 R-97			
		Standard Specification for Producing a Skid Resistant Surface on Concrete by the Use of a Multi-Component Epoxy System	503.3-92 R97	Need to check for conflicts with 548 Specs		

Comm. No.	Title	Specification	Status	Comment/ Action	TSC Liaison	Nonvoting TSC Members
		Standard Specification for Repairing Concrete with Epoxy Mortars	503.4-92 R97			
		Standard Specification for Crack Repair by Epoxy Injection	In preparation	TAC RRR 7/00		
506	Shotcreteing	Specifications for Shotcrete	506.2-95	Balloting	Ardhal (M)	Not needed
530	Masonry Standards Joint Committee	Specification for Masonry Structures	530.1-99	TAC 3/01, Considering new committee for Spec.		
548	Polymers in Concrete	Standard Specifications for Latex Modified Concrete (LMC) Overlays	548.4-93 R98		Weiss	Stenko
		Standard Specifications for Type EM Polymer Concrete Overlays	In preparation	Need to check w/ 503.3 for conflict		
551	Tilt-Up Construction	Reference or Guide Specification on Tilt-Up Construction	Planning			Ed Souter

*(M) indicates that the TSC liaison is also a member of the committee and an associate member from that committee is not necessary.

Exhibit 7.1

June 13, 2001

American Concrete Institute
Mr. Daniel W. Falconer
PO Box 9094
Farmington Hills, MI 48333-9094

RE: ACI 301, Chapter 6

Dear Mr. Falconer,

We are in the final stages of revising 303R-91 Guide to Cast-In-Place Architectural Concrete Practice and will be submitting it to our TAC contact along with this letter. The Guide was last revised in 1991. The Guide and Specification 303.1-97 Standard Specification for Cast-In-Place Architectural Concrete are good industry documents and should be used when any exposed concrete formed surface is the intended finished architectural effect.

Our committee has reviewed ACI 301, Chapter 6 Architectural Concrete and would like to make the following recommendation:

The ACI 303 committee would like to recommend that ACI 301 eliminate the text in Chapter 6 and refer to 303 Specification and Guide in Optional Requirements for Architectural Concrete.

ACI 301 was published with architectural recommendations prior to 303's establishment, and while 301 remains an excellent industry document, the architectural section in Chapter 6 is not complete. It is extremely difficult to maintain coordination between two documents updated and published at two different times. We believe the industry would best served with one set of information related to Architectural Concrete.

We look forward to working on this challenge together to better serve the industry.

Respectfully Submitted,



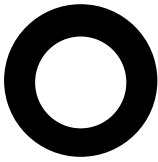
Daniel P. Dorfmueller
Chairman ACI 303

c: 303 Committee Members

W. Calvin McCall (Chairman ACI 301)
Blue Circle Cement
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Mr. Charles W. Dolan (Chairman TAC)
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Randall Poston PhD (303 TAC Contact)
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5555 N Lamer Blvd Suite K109
Austin, TX 78751

**Blue Circle Cement****5821 Fairview Rd****Suite 410****Charlotte, NC 28209****Telephone: 704-553-7114**

July 8, 2001

Mr. Daniel W. Falconer
American Concrete Institute
PO Box 9094
Farmington Hills, MI 4833 9094

RE: Response to Daniel P. Dorfmüller letter dated June 13, 2001

Dear Dan,

After careful review of Mr. Dorfmüller's letter and ACI Committee 303's, "Standard Specification for Cast-In-Place Architectural Concrete (ACI 303.1-97)", I regret that I must disagree with ACI Committee 303's request that ACI Committee 301 eliminate the text in Section 6 and refer to ACI Specification 303.1-97, for requirements on architectural concrete. The reasons that were cited in the letter are:

1. The architectural section in Chapter 6 is not complete
2. It is extremely difficult to maintain coordination between two documents updated and published at two different times

As Chairman of ACI Committee 301 I would like to formally request that ACI Committee 303 state why Section 6 is not complete. I plan to bring this matter up at the next ACI 301 Committee Meeting; however, I am of the opinion that the ACI 301 Committee Members should know specifically why Section 6 of ACI 301 is not complete and what would be required to make it complete.

I do agree that there are problems with two different committees maintaining specifications covering the same subject. I have stated this to TAC, TSC and to you on several occasions. To my knowledge ACI does not have a policy on how to manage specifications written by different committees. There are several committees that currently have specifications that are also covered by ACI Committee 301; therefore, it would be appropriate to wait until there is a decision on what ACI's policy will be on this subject.

I do agree with Mr. Dorfmueller that ACI Committee 303 has produced “good industry documents” and that these documents should be used to provide information about cast-in-place architectural concrete; however, cast-in-place architectural concrete is also **structural** concrete.

The mission statement for ACI Committees 301 and 303 are listed below:

- | | |
|-----|---|
| 301 | Develop and maintain standard specifications for concrete construction. |
| 303 | Develop and report information, and develop and maintain standards for production of architectural finishes for cast-in-place concrete. |

Nowhere is ACI Committee 303 assigned the responsibility for developing a specification for architectural **structural** concrete. Under the current mission statement, Committee 303's mission is limited to only specifying requirements to obtain the various architectural finishes. The ACI 303.1-97 specification should be limited to only those materials and construction practices required to achieve the architectural finish on the concrete such as:

- Additional formwork requirements
- Mockup requirements
- Finishing procedures
- Special curing requirements
- Finish acceptance requirements
- Specific concrete strengths for specific surface treatments
- Placing procedures
- Additional restrictions on the concrete materials and mixtures

After a quick review of the ACI 303.1-97, I am of the opinion that it is incomplete and is significantly lacking in specifying the structural requirements for architectural concrete. If the A/E specified ACI 303.1-97 without also specifying ACI 301, the project would have inadequate specifications that may not meet the requirements of ACI 318.

Listed below are some specific examples of questionable structural requirements in the ACI 303.1-97:

- Requiring the A/E to specify the basic structural requirements such as concrete compressive strengths ($f'c$) or types, grades, and sizes of reinforcing steel is not mandatory in ACI 303.1-97.
- There is a mandatory requirement for the A/E to specify the type of cement required for the environment. Chapter 4 of ACI 318 has requirements for durability for several different exposure or environmental conditions with only one requiring a specific type of cement. If the A/E is to specify a specific cement, he

should also specify other requirements for durability such as maximum water cementitious material ratio, chloride limits, and concrete air content.

- 2.1.2 refers the contractor to ACI 117; however, there are no special requirements or specific classes for items such as offsets or floor finish tolerances. ACI 303.1-97 does not give defaults for these items, nor does it require the A/E to specify these items.
- 2.2.3.2 allows fine aggregate to comply with ASTM C144. This is a specification for masonry sand. This sand is typically not appropriate for structural concrete and should not be permitted without specific acceptance by the A/E. This is also in conflict with ASTM C 94, which is also referenced. I understand why a contractor may need to use this sand or one that may have a finer gradation than the requirements of ASTM C 33; however, the A/E should have the choice of acceptance.
- 2.2.5, which is listed under 1.5, requires that the concrete mix design be submitted for review. ACI 303.1-97, however, does not indicate how mix proportions are to be determined or under what limitations.
- 2.2.5.1 requires that the contractor comply with the slump, strength, and durability requirements per the contract documents; however, ACI 303.1-97 does not provide default requirements nor have mandatory requirements for the A/E to include this information in the contract documents.
- 2.2.5.3 requires that the concrete comply with Section 6 ACI 301; this is somewhat confusing. Section 6 of ACI 301 requires that the structure meet the requirements of Sections 1 through 5 as well as those listed in Section 6. Is it the intent of ACI Committee 303 that the contractor comply with ACI 301 in its entirety or just with the particular architectural requirements in Section 6?
- 2.3.2.8 has very specific requirements for vibration. I would assume that there have been very few, if any, projects constructed that were vibrated as stated in this article. A specified rate of 3 inches per second with no tolerances would be very difficult if not impossible to achieve; therefore, the owner could accurately state that the project was not vibrated in accordance with this specification. If the finish does not match the mock up, the contractor would not be able to vary vibration techniques in order to improve the finish.
- 2.3.2.9 states that a lift is to be revibrated for 30 minutes or until the vibrator cannot penetrate under its own weight. After that time a construction joint is to be created; Specification 303.1-97 does not provide requirements for locating joints or preparing the joint surface to ensure bonding of the next lift nor does it require any review or acceptance by the Engineer. Unplanned joints may affect not only the appearance of the member, but also the structural capacity and durability of the member. The A/E must be consulted for approval of such changes that could affect the integrity of the structure.

- 2.3.3 has requirements for curing; however, they are not clear. Are the requirements to cure the structure in accordance with both 2.3.3.1 and 2.3.3.2 or does the contractor have a choice?
- 2.3.3.3 has requirements for cold weather but it does not have any durability requirements for air entrainment or for a maximum water cementitious materials ratio. Requirements for hot weather concrete are not specified.
- 3.2 has requirements for concrete reinforcement. Since the type of reinforcing is in the optional checklist and not in the mandatory checklist, the contractor is given the option of selecting which reinforcement to use.
- 3.3.1 states that reinforcement should be placed in accordance with ACI 315. ACI 315 is not written in mandatory language; therefore, it should not be listed in a specification.
- 4.3.4.1 states to strip forms from vertical surfaces when concrete strength reaches 1000 psi or after 24 hr. whichever is longer. The A/E should determine the compressive strength required for removal of the wall forms.

I would suggest that the Technical Specification Committee review the architectural specification.

ACI Committee 303 did an excellent job in specifying architectural finishes; however, as previously stated, it is incomplete and lacking in specifying requirements for structural concrete. To comply with Mr. Dorfmueller's recommendation to remove all requirements from ACI 301 and refer to the ACI 303.1-97 would result in an inferior specification for structural concrete. The fact that ACI 303 only specifies some structural requirements makes it difficult for ACI 301 to reference it.

The decision to specify ACI 301 Specifications for Structural Concrete and to specify a special finish as required in the ACI 301 mandatory requirements is that of the specifier. It is the A/E's choice to include Section 6 in ACI 301, to omit it and include the ACI 303.1-97 specification, or to not use either of these specifications and use any specification that they choose. It should be ACI's goal to provide the best possible reference specifications to the A/E that can be easily incorporated into the project specifications. With this in mind, I am of the opinion that the easiest method would be to develop one specification for structural concrete using ACI 301. This specification could then be amended for items such as architectural concrete. I see no need to develop a new set of base line structural requirements for architectural concrete; this would only lead to confusion. There is not any apparent benefit in eliminating Section 6 until TAC develops a policy on the overall management of specifications.

In reviewing ACI 303.1-97 I discovered another problem that will lead to confusion by all users of the specifications. When the A/E references ACI 301-99 for structural concrete

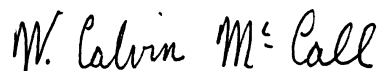
construction and ACI 303.1-97 for cast-in-place architectural concrete in the same Project Specification, he has referenced two versions of ACI 301. ACI 301-99 would be included in the Project Specifications by direct reference and ACI 301-96 would also be referenced in the Project Specifications since 2.2.5.3 in ACI 303.1-97 references it. This situation would be confusing and unacceptable. The confusion most likely would not be detected unless there was a legal dispute, which would provide the owner with a loophole that could be used against the contractor.

In conclusion I offer the following comments:

- TSC and TAC should develop an overall master plan as to how ACI will manage specifications. This is an important decision and should be considered very carefully. This plan should determine which committees should write specifications and which committees will be experts and provide overall guidance to both code and specification producing committees.
- I do not think that the situation with ACI Committee 301 and 303 in regards to the conflict of the specifications is any worse than with both current and potential conflicts between ACI 301 and other committees that either have been or may be developing specifications.
- ACI Committee 301 continues to work with ACI Committee 303 to take suggestions for Section 6.
- ACI Committee 303 should remove the structural requirements from their specification and cover only those items relating to achieving an acceptable architectural finish. For structural requirements, ACI 303 should reference the ACI 301 specification.
- ACI 303.1-97 should be reviewed immediately by TSC.

If you have any questions or need any additional information, please feel free to contact me.

Sincerely,



W. Calvin McCall, P.E.
Chairman, ACI Committee 301

CC. Nicholas J. Carino
Daniel P. Dorfmueller
Charles W. Dolan
Roy H. Keck
Colin Lobo



ACI 303 Committee
Chairman
Daniel P. Dorfmueller

August 28, 2001

Mr. Daniel W. Falconer
American Concrete Institute
P.O. Box 9094
Farmington Hills, Michigan 4833 9094

Subject: ACI 301 Chapter 6, Response to McCall letter dated July 8, 2001

Dear Mr. Falconer

I was surprised at Calvin McCall's response of July 8, 2001 to my June 13 letter regarding 301's Chapter 6. Mr. McCall and I agree that there are problems with two committees writing and maintaining specifications covering the same subject. He states that he has previously conveyed this to TAC, TSC, and you. My proposal, as indicated in my June 13 letter, addresses this issue.

Mr. McCall is reluctant to follow the recommendation of our committee because he believes that 303's specification is incomplete and lacking in structural requirements for Architectural Concrete. The 303 specification incorporates by reference, all of the structural requirements contained in the 301 specification. This makes 303 as complete as 301 regarding structural requirements.

There should not be two ACI specifications relating to Cast-in-Place Architectural Concrete. 303 has two documents for this purpose. The subject is much too broad to be included in 301's specification. For these reasons, our Committee is recommending that 301 modify their Chapter 6 by including references to the 303 Specification and Guide in paragraph 6.1.1.3 and deleting all the paragraphs following 6.1.1.3.

Respectfully Submitted,

Daniel P. Dorfmueller
Chairman ACI 303

correspondence to
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ACI 303 Committee

Chairman
Daniel P. Dorfmueller

c: 303 Committee Members

W. Calvin McCall (Chairman ACI 301)

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Todd R Watson
10/08/01 04:03 PM

To: Scott E Maxwell/ACI/Notes@aci-int.org
cc:
Subject: Need for new ACI 350 Specification Committee

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Todd Watson
Manager of Technical Documents
ACI Engineering Department
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----- Forwarded by Todd R Watson/ACI/Notes on 10/08/01 03:59 PM -----



Daniel W Falconer
10/04/01 02:37 PM

To: Todd R Watson/ACI/Notes@aci-int.org
cc:
Subject: Need for new ACI 350 Specification Committee

for the spec committee

Dan

----- Forwarded by Daniel W Falconer/ACI/Notes on 10/04/01 02:33 PM -----



"Charles Hanskat"
<chanskat@dyk.com>
10/02/01 01:34 PM

To: "Dan Falconer" <DFalcone@aci-int.org>
cc: "Randy Poston" <wdpa@erols.com>
Subject: Need for new ACI 350 Specification Committee

Dear Dan,

In our meeting in early September, one of the topics of discussion was the ACI 350 Committee's position on producing a specification. We feel it is an important document to develop and over a year ago I formed an ACI 350 subcommittee that is charged with developing a specification for environmental engineering concrete structures. This committee has been fairly active and has generated a draft specification that is currently circulating through the subcommittee.

As chair of ACI 350, in considering the overall work load of ACI 350 with the production and maintenance of three Codes (350/350R, 350.1/350.1R, and 350.3/350.3R) and two reports (350.2R and 350.4R), my opinion is we are pushing the limit of what should be considered the maximum workload expected of a technical committee. Thus, I recommend TAC consider forming a new, separate ACI Committee charged with production of a Specification for Environmental Engineering Concrete Structures. There can and should be a significant overlap of members between ACI 350 (and hopefully ACI 301), but the separate committee structure and chair will make production and maintenance of a specification more reasonable.

We have produced a draft document that the new committee can use as a basis for the new specification and there are several members I would recommend for the new committee. If there are any questions about this recommendation, please contact me.

Respectfully,

Charles Hanskat, PE
Chairman, ACI 350
chanskat@san.rr.com (home)
chanskat@dyk.com (work)